

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040220\
 Data File : VX015472.D
 Acq On : 02 Apr 2020 11:04
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/3/2020 12:36:26 PM

Quant Time: Apr 03 08:18:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 09:35:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	1196278	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1808512	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1660250	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	884079	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	748963	44.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.78%	
35) Dibromofluoromethane	5.47	113	546551	47.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.56%	
50) Toluene-d8	8.70	98	2035849	47.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.66%	
62) 4-Bromofluorobenzene	11.12	95	828982	47.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	543457	51.564	ug/l	99
3) Chloromethane	1.31	50	608472	45.334	ug/l	97
4) Vinyl Chloride	1.39	62	577573	46.865	ug/l	98
5) Bromomethane	1.62	94	299784	53.304	ug/l	98
6) Chloroethane	1.71	64	351911	46.040	ug/l	98
7) Trichlorofluoromethane	1.92	101	835887	50.574	ug/l	96
8) Diethyl Ether	2.17	74	309065	44.334	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	546956	50.764	ug/l	99
10) Methyl Iodide	2.49	142	677109	46.611	ug/l	99
11) Tert butyl alcohol	3.01	59	702601	173.978	ug/l	99
12) 1,1-Dichloroethene	2.36	96	539666	47.783	ug/l	95
13) Acrolein	2.27	56	595140	258.702	ug/l	99
14) Allyl chloride	2.70	41	1207980	45.775	ug/l	97
15) Acrylonitrile	3.11	53	1609405	208.970	ug/l	100
16) Acetone	2.42	43	1505176	207.648	ug/l	100
17) Carbon Disulfide	2.55	76	1586043	46.034	ug/l	100
18) Methyl Acetate	2.75	43	767619	41.491	ug/l	100
19) Methyl tert-butyl Ether	3.17	73	1979543	45.192	ug/l	100
20) Methylene Chloride	2.83	84	602387	44.491	ug/l	98
21) trans-1,2-Dichloroethene	3.14	96	583655	46.564	ug/l	96
22) Diisopropyl ether	3.83	45	2188940	46.810	ug/l	89
23) Vinyl Acetate	3.78	43	9614237	227.078	ug/l	99
24) 1,1-Dichloroethane	3.67	63	1125261	45.703	ug/l	99
25) 2-Butanone	4.63	43	2351409	201.709	ug/l	98
26) 2,2-Dichloropropane	4.55	77	1026726	50.805	ug/l	99
27) cis-1,2-Dichloroethene	4.56	96	659333	45.466	ug/l	97
28) Bromochloromethane	4.98	49	538942	45.847	ug/l	98
29) Tetrahydrofuran	5.09	42	1506969m	201.084	ug/l	
30) Chloroform	5.17	83	1098047	46.355	ug/l	97
31) Cyclohexane	5.55	56	1052458	49.275	ug/l	96
32) 1,1,1-Trichloroethane	5.46	97	1014805	47.338	ug/l	99
36) 1,1-Dichloropropene	5.77	75	837651	50.269	ug/l	99
37) Ethyl Acetate	4.79	43	947395	43.665	ug/l	100
38) Carbon Tetrachloride	5.75	117	906162	50.208	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040220\
 Data File : VX015472.D
 Acq On : 02 Apr 2020 11:04
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/3/2020 12:36:26 PM

Quant Time: Apr 03 08:18:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 09:35:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	1026592	53.432	ug/l	97
40) Benzene	6.11	78	2418278	49.543	ug/l	99
41) Methacrylonitrile	5.00	41	550521	45.708	ug/l	100
42) 1,2-Dichloroethane	6.16	62	953528	48.633	ug/l	100
43) Isopropyl Acetate	6.41	43	1658384	45.278	ug/l	99
44) Trichloroethene	7.19	130	654780	49.186	ug/l	97
45) 1,2-Dichloropropane	7.49	63	641213	48.020	ug/l	99
46) Dibromomethane	7.64	93	420808	48.042	ug/l	100
47) Bromodichloromethane	7.87	83	907823	48.640	ug/l	98
48) Methyl methacrylate	7.75	41	831191	45.434	ug/l	99
49) 1,4-Dioxane	7.71	88	278175	815.078	ug/l	98
51) 4-Methyl-2-Pentanone	8.62	43	4596472	221.441	ug/l	100
52) Toluene	8.76	92	1505895	50.040	ug/l	98
53) t-1,3-Dichloropropene	9.02	75	1048088	47.880	ug/l	97
54) cis-1,3-Dichloropropene	8.42	75	1099044	49.289	ug/l	98
55) 1,1,2-Trichloroethane	9.20	97	598930	48.577	ug/l	98
56) Ethyl methacrylate	9.16	69	1018878	46.890	ug/l	99
57) 1,3-Dichloropropane	9.35	76	1052018	47.358	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	2549960	241.263	ug/l	100
59) 2-Hexanone	9.47	43	3456696	220.577	ug/l	100
60) Dibromochloromethane	9.56	129	720136	48.607	ug/l	99
61) 1,2-Dibromoethane	9.65	107	644810	48.097	ug/l	99
64) Tetrachloroethene	9.32	164	616423	49.198	ug/l	92
65) Chlorobenzene	10.12	112	1625855	49.104	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.20	131	642326	48.559	ug/l	99
67) Ethyl Benzene	10.24	91	2938355	50.036	ug/l	100
68) m/p-Xylenes	10.34	106	2206889	100.923	ug/l	100
69) o-Xylene	10.68	106	1057003	48.917	ug/l	97
70) Styrene	10.70	104	1856890	48.835	ug/l	99
71) Bromoform	10.84	173	550253	45.695	ug/l #	98
73) Isopropylbenzene	11.00	105	2850441	49.208	ug/l	99
74) N-amyl acetate	10.88	43	1462346	45.389	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.25	83	889463	44.749	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	844765m	46.466	ug/l	
77) Bromobenzene	11.24	156	741456	47.987	ug/l	100
78) n-propylbenzene	11.34	91	3379339	51.019	ug/l	99
79) 2-Chlorotoluene	11.40	91	1999007	49.238	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	2447977	49.483	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.06	75	344206	45.428	ug/l	98
82) 4-Chlorotoluene	11.49	91	2374760	49.896	ug/l	100
83) tert-Butylbenzene	11.76	119	2398467	49.634	ug/l	97
84) 1,2,4-Trimethylbenzene	11.79	105	2543865	50.460	ug/l	100
85) sec-Butylbenzene	11.93	105	2868633	51.329	ug/l	99
86) p-Isopropyltoluene	12.05	119	2691013	51.867	ug/l	100
87) 1,3-Dichlorobenzene	12.01	146	1355696	49.012	ug/l	98
88) 1,4-Dichlorobenzene	12.08	146	1357881	48.194	ug/l	99
89) n-Butylbenzene	12.37	91	2453426	52.328	ug/l	99
90) Hexachloroethane	12.58	117	499567	49.470	ug/l	96
91) 1,2-Dichlorobenzene	12.38	146	1338407	49.443	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	232960	41.525	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040220\
Data File : VX015472.D
Acq On : 02 Apr 2020 11:04
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
4/3/2020 12:36:26 PM

Quant Time: Apr 03 08:18:23 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 27 09:35:51 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	1025102	47.875	ug/l	98
94) Hexachlorobutadiene	13.77	225	504666	49.504	ug/l	96
95) Naphthalene	13.82	128	2970503	45.480	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	1021267	49.539	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

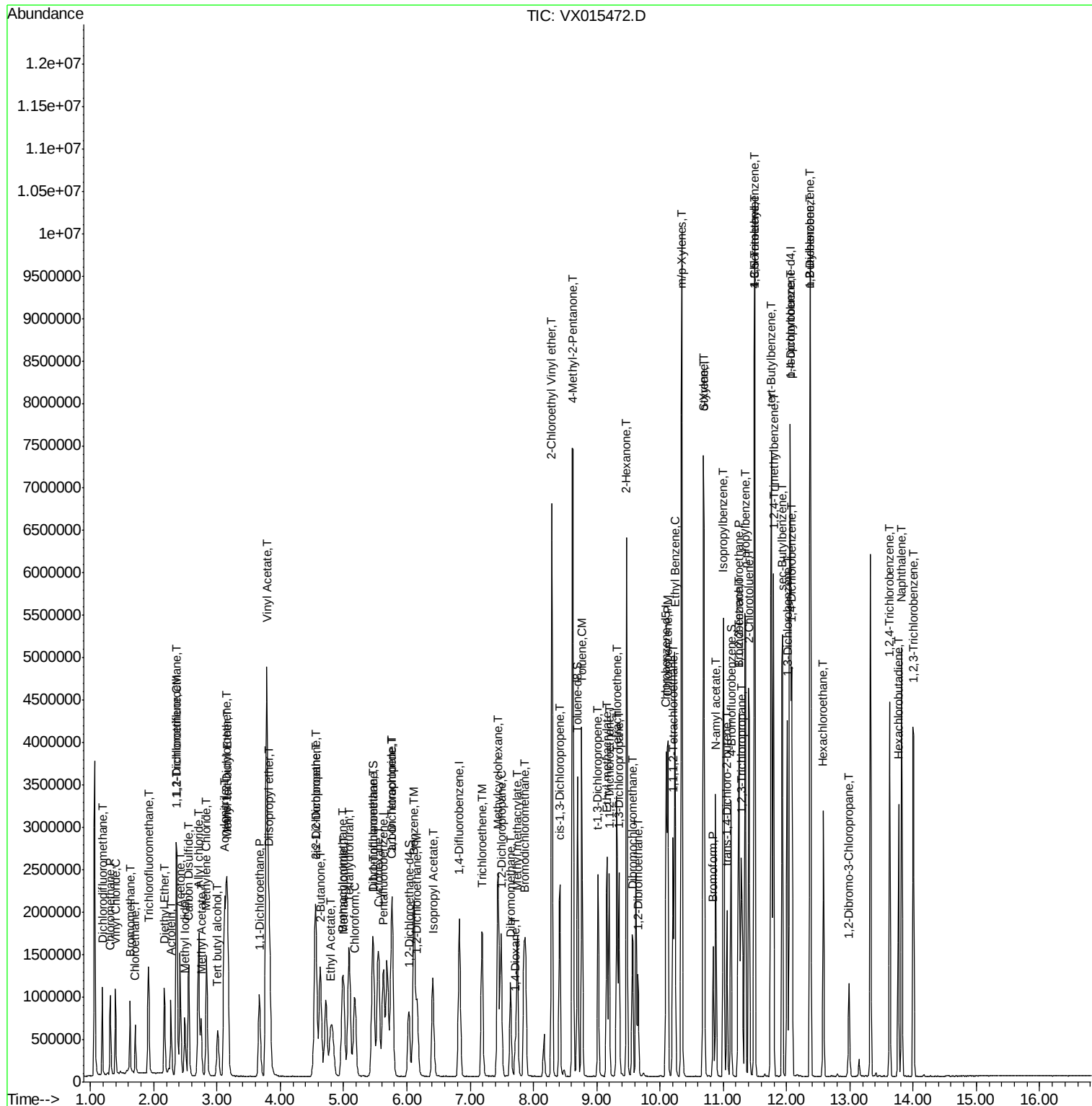
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX040220\
Data File : VX015472.D
Acq On : 02 Apr 2020 11:04
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 2 Sample Multiplier: 1

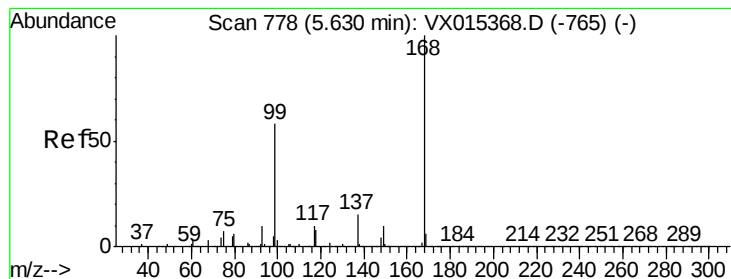
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

MMDadoda
4/3/2020 12:36:26 PM

Quant Time: Apr 03 08:18:23 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 27 09:35:51 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 778

Delta R.T. -0.00 min

Lab File: VX015472.D

Acq: 02 Apr 2020 11:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 1196278

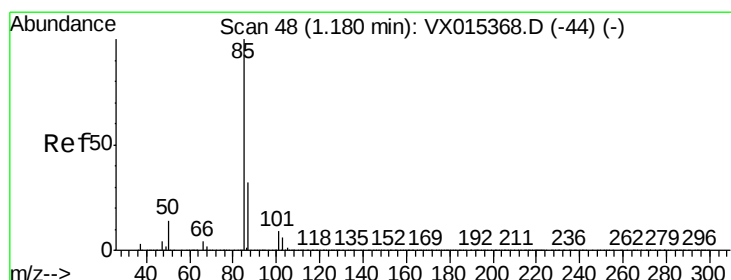
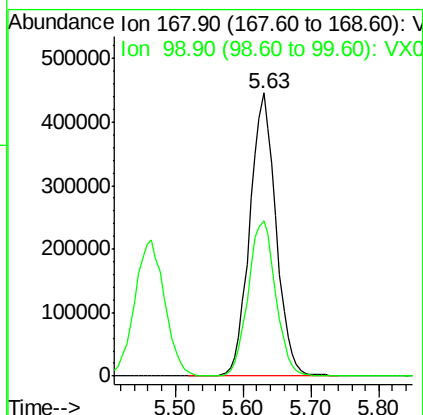
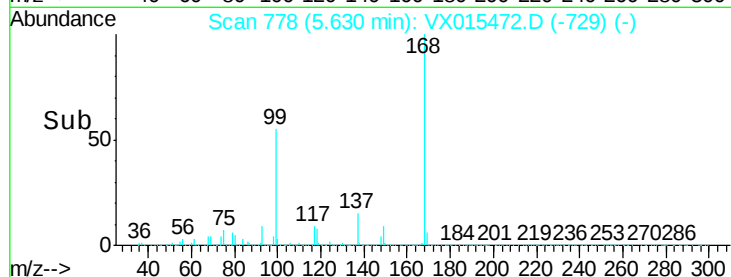
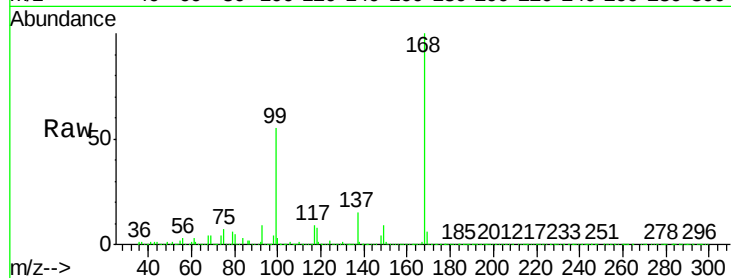
Ion Ratio Lower Upper

168 100

99 54.7 46.4 69.6

Manual Integrations
APPROVED

MMDadoda
4/3/2020 12:36:26 PM



#2

Dichlorodifluoromethane

Concen: 51.564 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.01 min

Lab File: VX015472.D

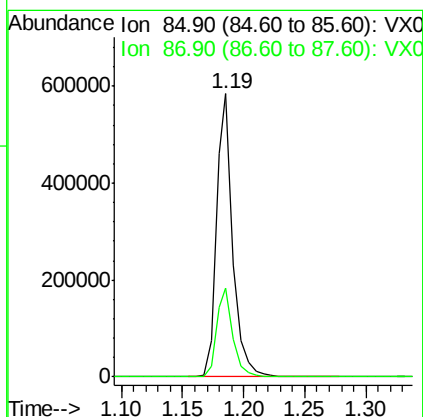
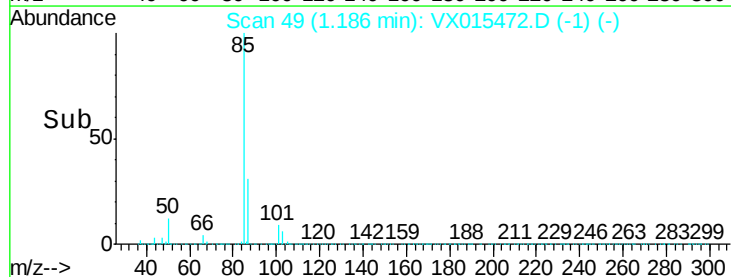
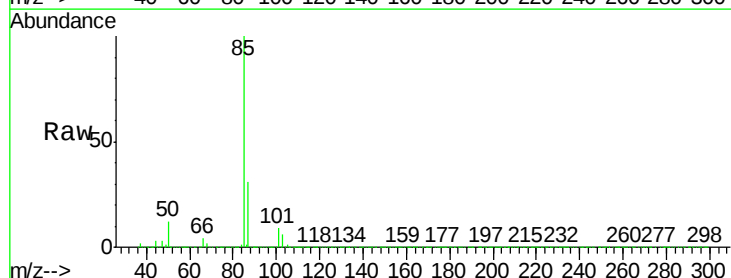
Acq: 02 Apr 2020 11:04

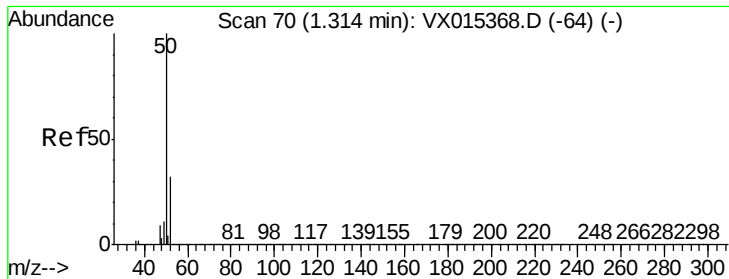
Tgt Ion: 85 Resp: 543457

Ion Ratio Lower Upper

85 100

87 31.2 16.0 47.9





#3

Chloromethane

Concen: 45.334 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX015472.D

Acq: 02 Apr 2020 11:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 608472

Ion Ratio Lower Upper

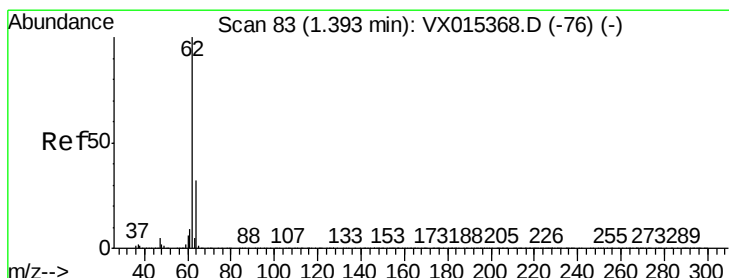
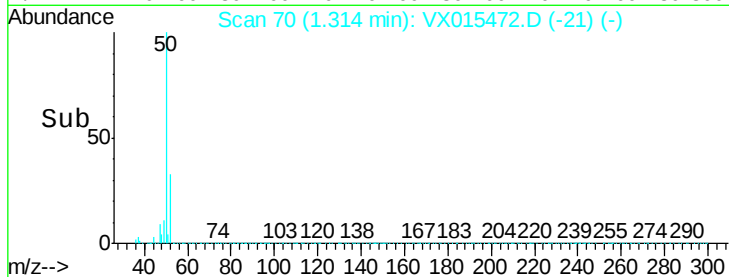
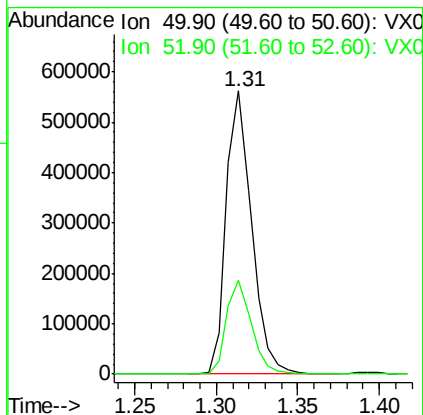
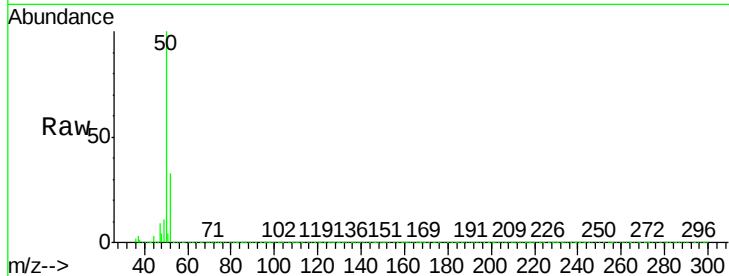
50 100

52 33.2 25.3 37.9

Manual Integrations
APPROVED

MMDadoda

4/3/2020 12:36:26 PM



#4

Vinyl Chloride

Concen: 46.865 ug/l

RT: 1.39 min Scan# 83

Delta R.T. -0.00 min

Lab File: VX015472.D

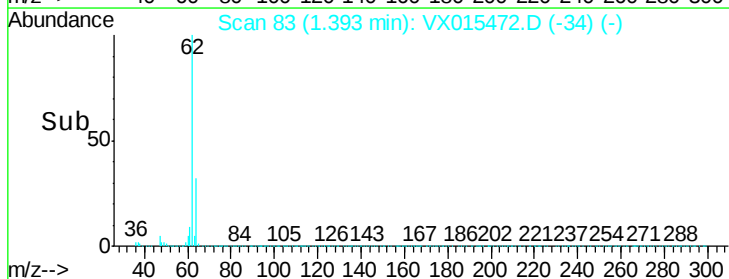
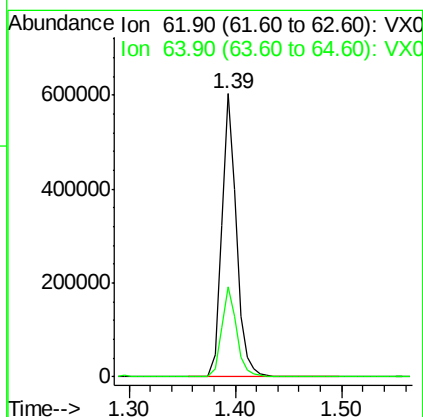
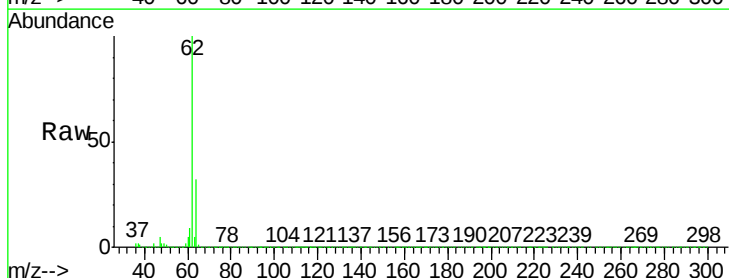
Acq: 02 Apr 2020 11:04

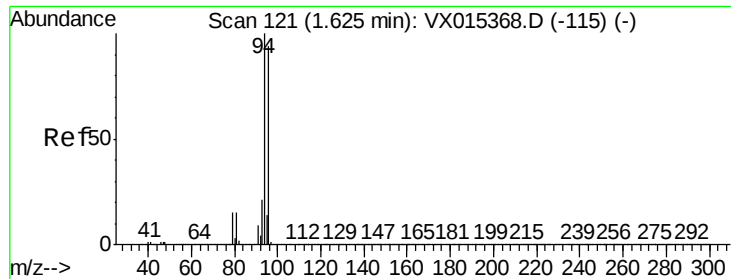
Tgt Ion: 62 Resp: 577573

Ion Ratio Lower Upper

62 100

64 31.7 26.0 39.0





#5

Bromomethane

Concen: 53.304 ug/l

RT: 1.62 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX015472.D

Acq: 02 Apr 2020 11:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 299784

Ion Ratio Lower Upper

94 100

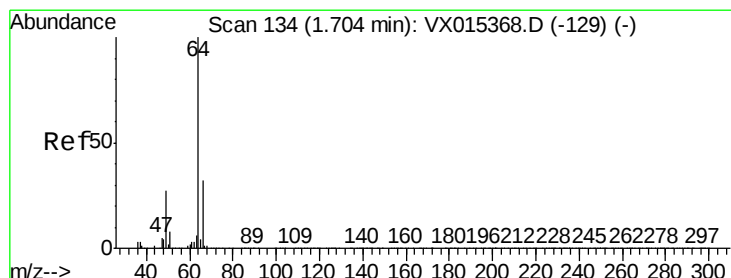
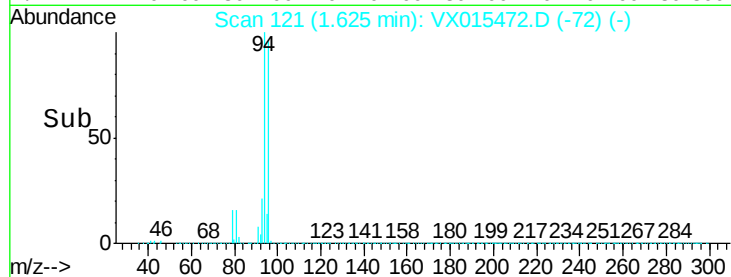
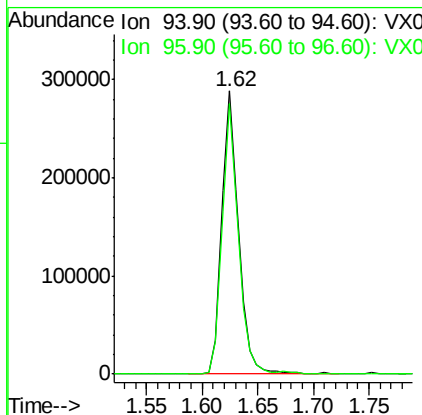
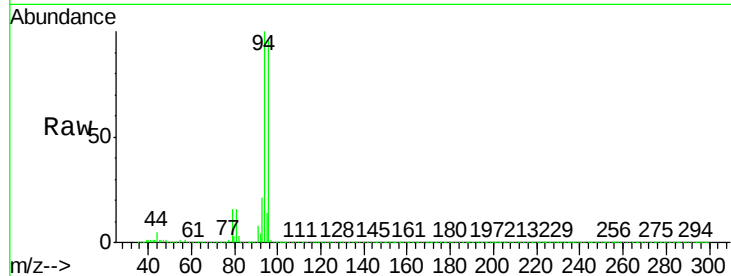
96 95.8 74.8 112.2

Manual Integrations

APPROVED

MMDadoda

4/3/2020 12:36:26 PM



#6

Chloroethane

Concen: 46.040 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX015472.D

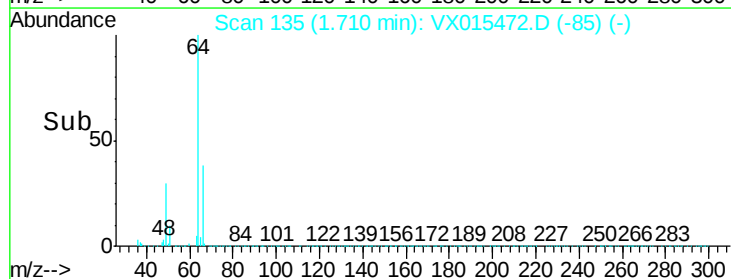
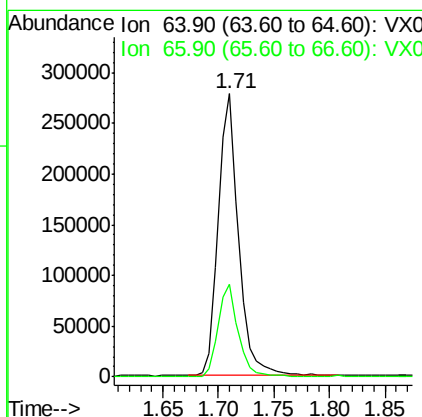
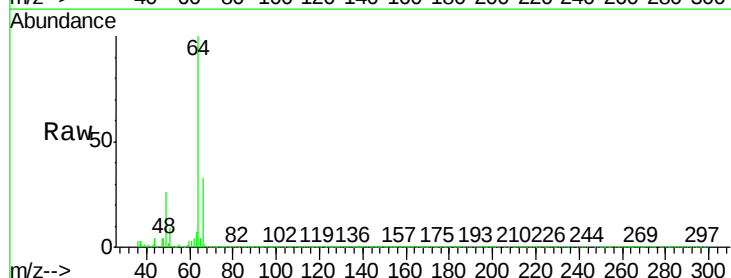
Acq: 02 Apr 2020 11:04

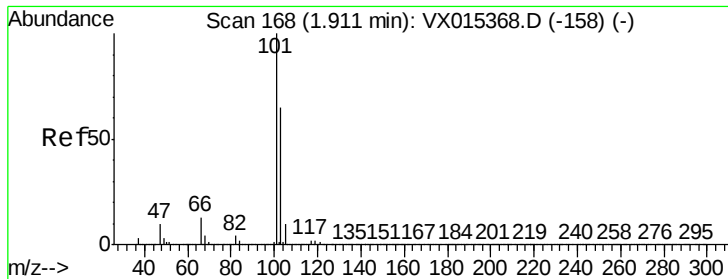
Tgt Ion: 64 Resp: 351911

Ion Ratio Lower Upper

64 100

66 32.7 25.4 38.2





#7

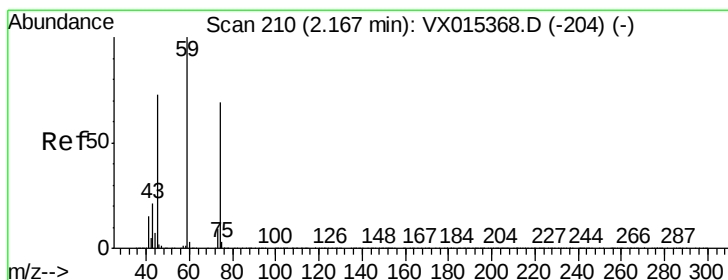
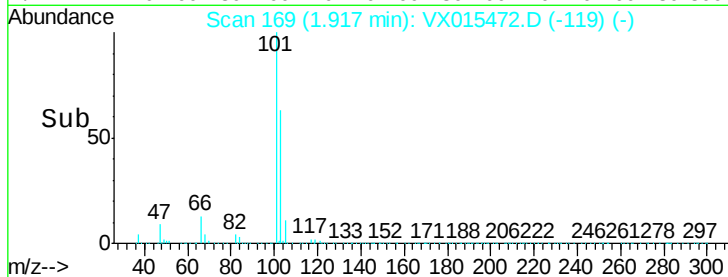
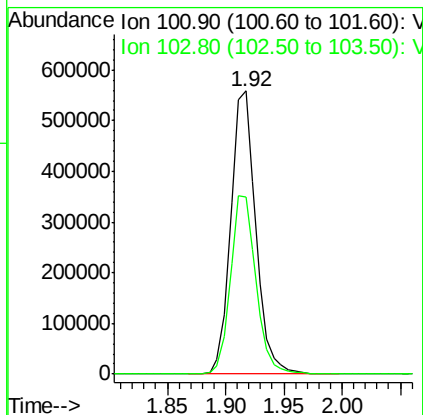
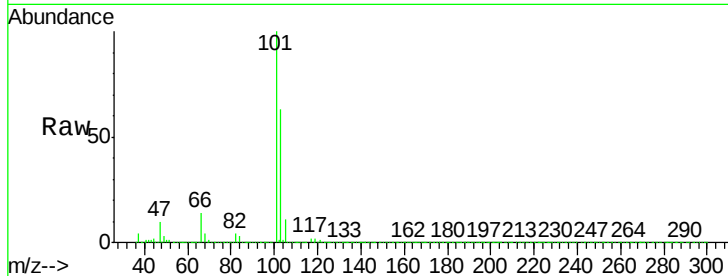
Trichlorofluoromethane
Concen: 50.574 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.01 min
Lab File: VX015472.D
Acq: 02 Apr 2020 11:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.5	52.3	78.5

Manual Integrations
APPROVED

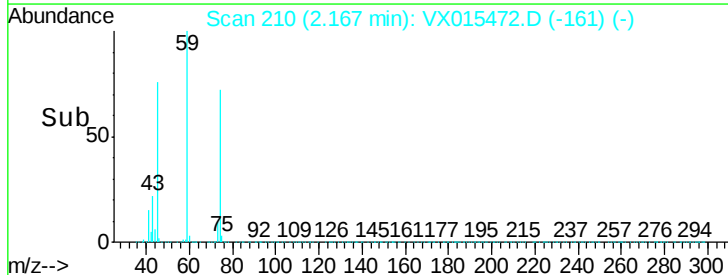
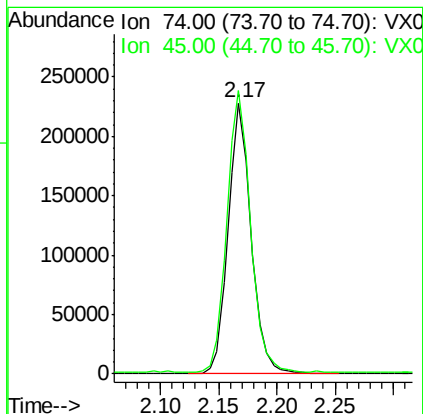
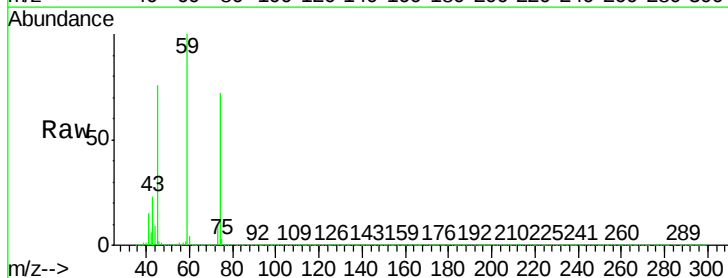
MMDadoda
4/3/2020 12:36:26 PM

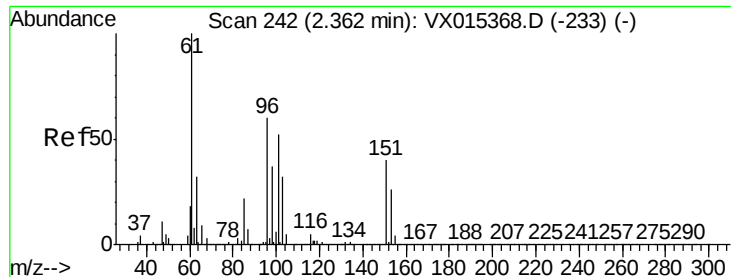


#8

Diethyl Ether
Concen: 44.334 ug/l
RT: 2.17 min Scan# 210
Delta R.T. -0.00 min
Lab File: VX015472.D
Acq: 02 Apr 2020 11:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	107.8	53.8	161.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.764 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.01 min

Lab File: VX015472.D

Acq: 02 Apr 2020 11:04

Instrument :

MSVOA_X

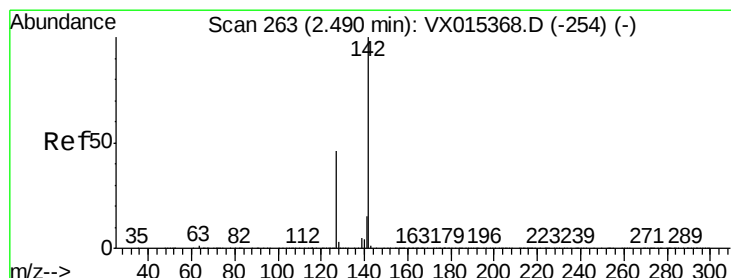
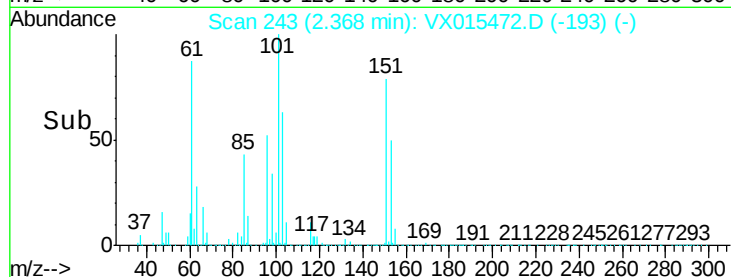
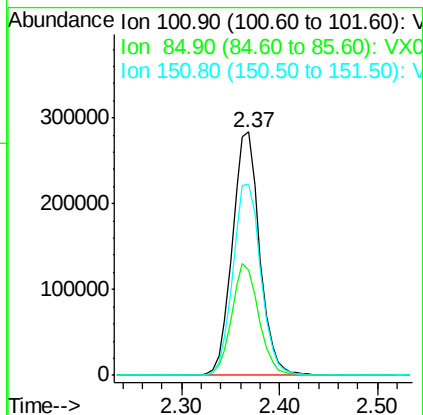
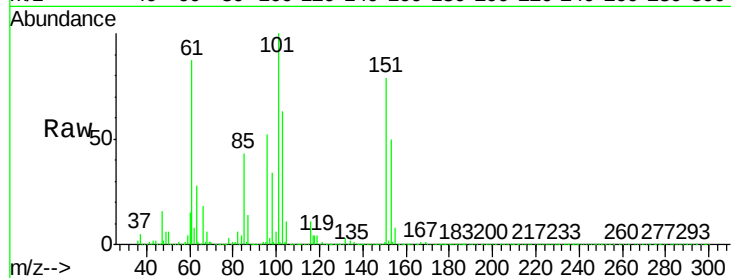
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	546956
Ion Ratio	Lower	Upper	
101	100		
85	45.5	35.0	52.4
151	80.7	64.1	96.1

Manual Integrations
APPROVED

MMDadoda
4/3/2020 12:36:26 PM



#10

Methyl Iodide

Concen: 46.611 ug/l

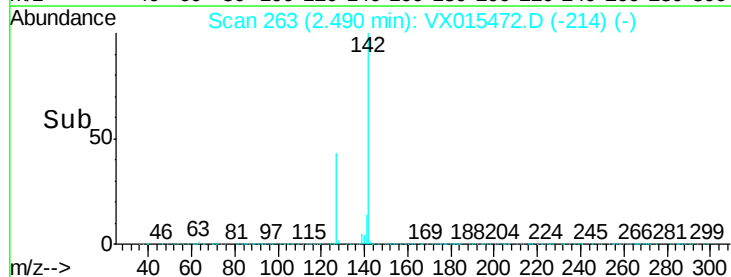
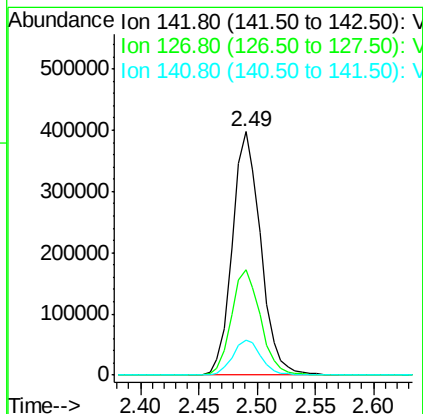
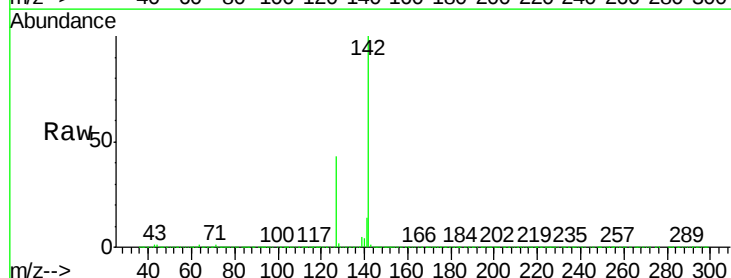
RT: 2.49 min Scan# 263

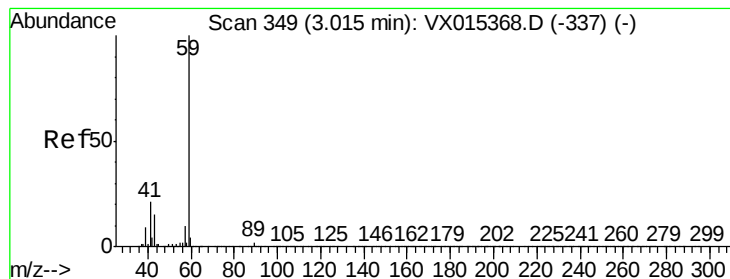
Delta R.T. -0.00 min

Lab File: VX015472.D

Acq: 02 Apr 2020 11:04

Tgt Ion:	142	Resp:	677109
Ion Ratio	Lower	Upper	
142	100		
127	44.3	35.9	53.9
141	14.3	11.6	17.4





#11

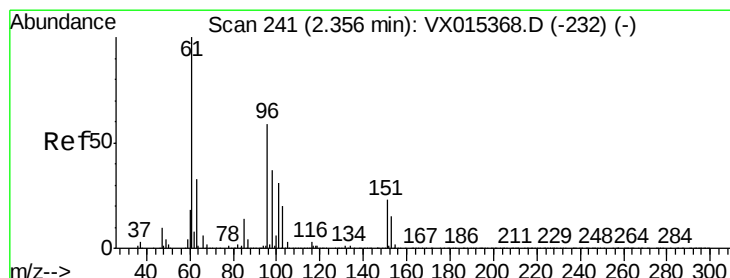
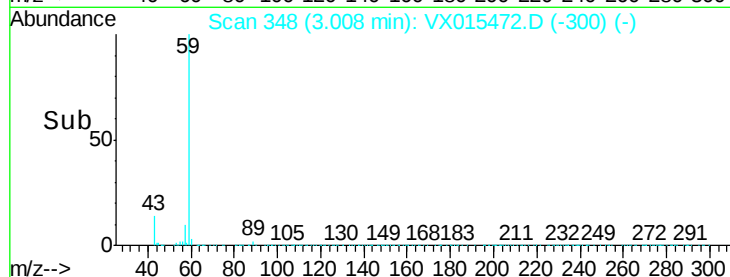
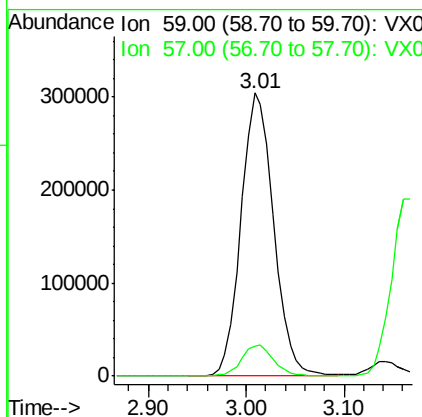
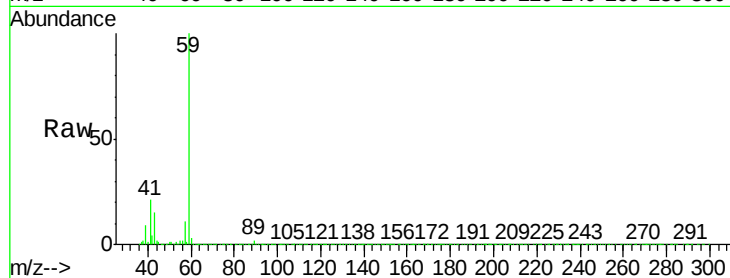
Tert butyl alcohol
Concen: 173.978 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.01 min
Lab File: VX015472.D
Acq: 02 Apr 2020 11:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.1	12.1

Manual Integrations
APPROVED

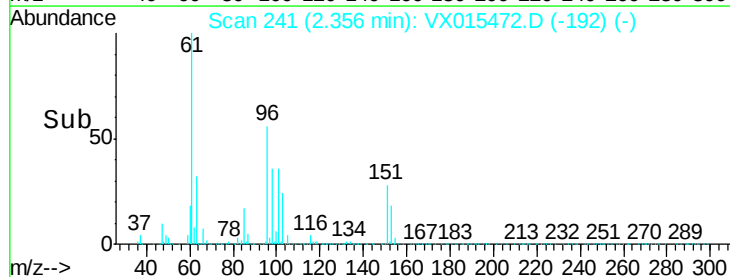
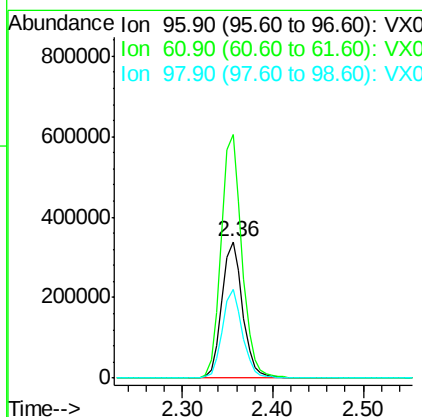
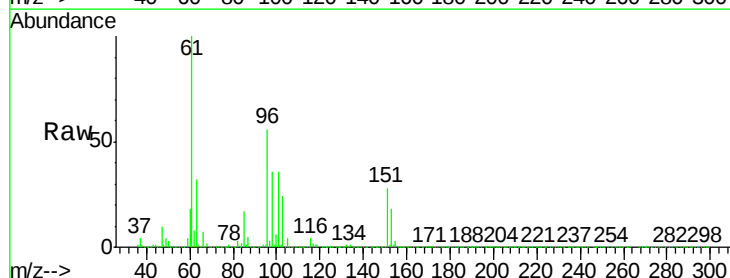
MMDadoda
4/3/2020 12:36:26 PM

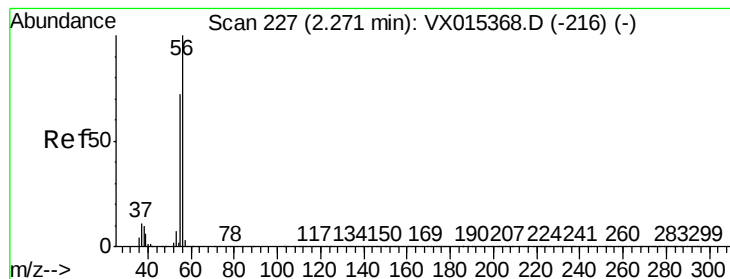


#12

1,1-Dichloroethene
Concen: 47.783 ug/l
RT: 2.36 min Scan# 241
Delta R.T. -0.00 min
Lab File: VX015472.D
Acq: 02 Apr 2020 11:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	178.5	135.7	203.5
98	64.6	50.6	75.8





#13

Acrolein

Concen: 258.702 ug/l

RT: 2.27 min Scan# 227

Delta R.T. -0.00 min

Lab File: VX015472.D

Acq: 02 Apr 2020 11:04

Instrument :

MSVOA_X

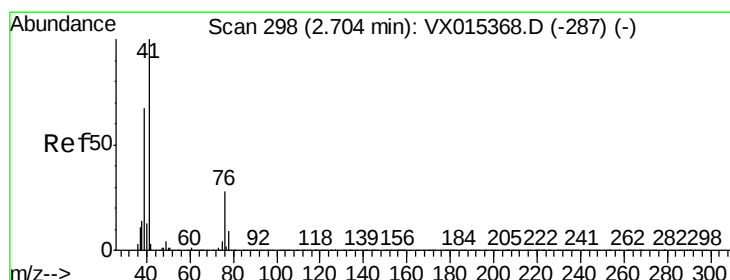
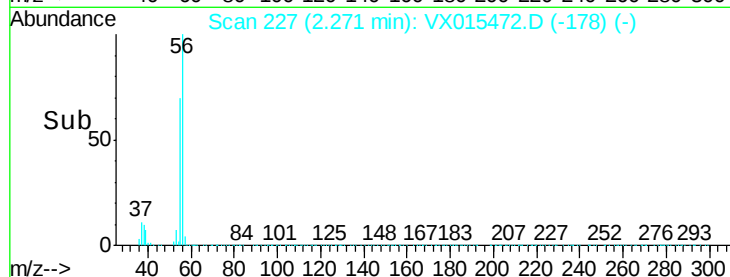
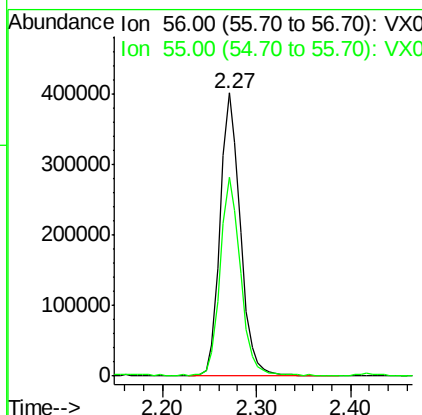
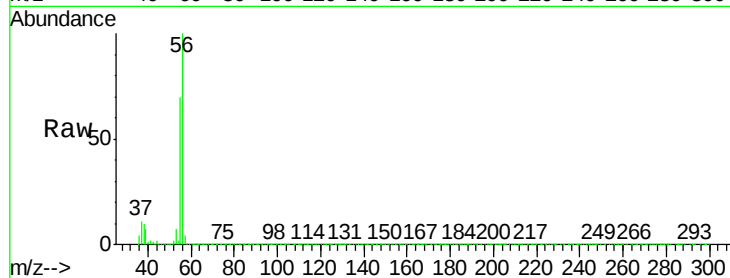
ClientSampleId :

VSTDCCC050

Tot Ion	56	Resp	595140
Ion Ratio	100	Lower	Upper
56	100		
55	70.3	57.0	85.4

Manual Integrations
APPROVED

MMDadoda
4/3/2020 12:36:26 PM



#14

Allyl chloride

Concen: 45.775 ug/l

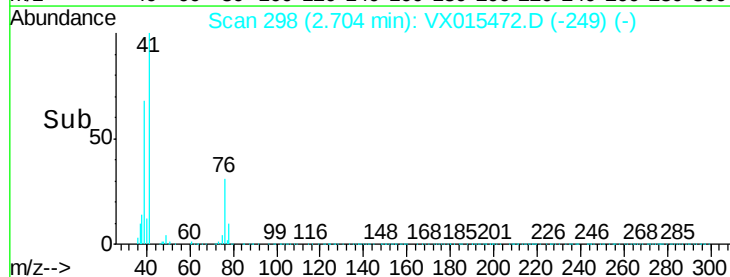
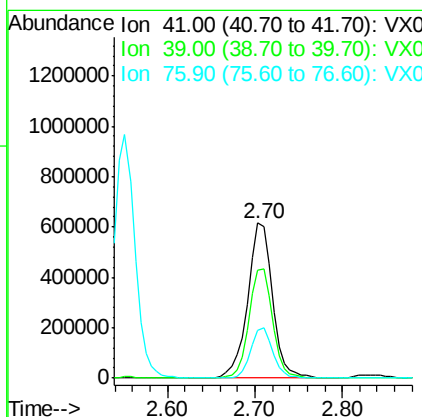
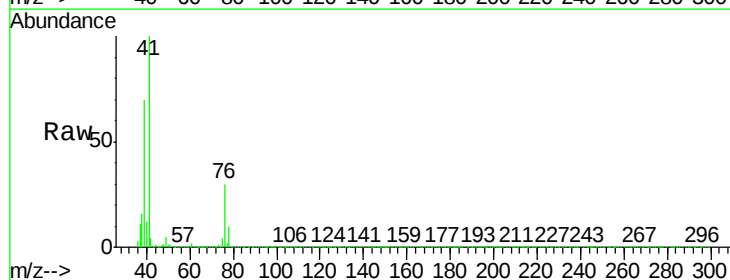
RT: 2.70 min Scan# 298

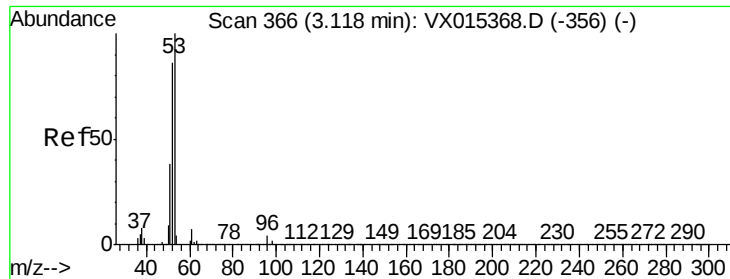
Delta R.T. -0.00 min

Lab File: VX015472.D

Acq: 02 Apr 2020 11:04

Tgt Ion	41	Resp	1207980
Ion Ratio	100	Lower	Upper
41	100		
39	66.9	51.4	77.0
76	28.5	21.8	32.8





#15

Acrylonitrile

Concen: 208.970 ug/l

RT: 3.11 min Scan# 365

Delta R.T. -0.01 min

Lab File: VX015472.D

Acq: 02 Apr 2020 11:04

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 53 Resp: 1609405

Ion Ratio Lower Upper

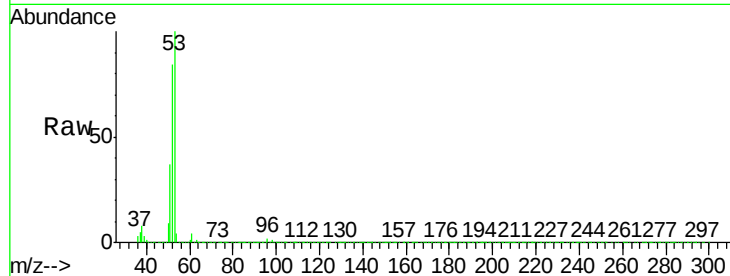
53 100

52 83.2 66.8 100.2

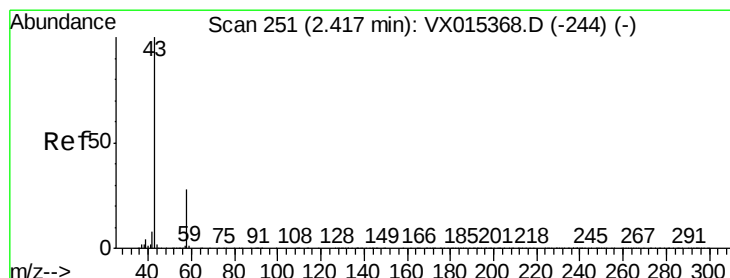
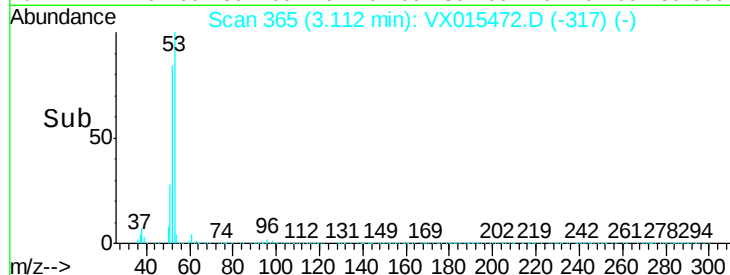
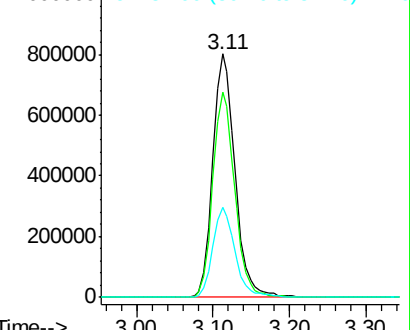
51 37.0 29.5 44.3

Manual Integrations
APPROVED

MMDadoda
4/3/2020 12:36:26 PM



Abundance Ion 53.00 (52.70 to 53.70): VX015472.D (-317) (-)



#16

Acetone

Concen: 207.648 ug/l

RT: 2.42 min Scan# 251

Delta R.T. -0.00 min

Lab File: VX015472.D

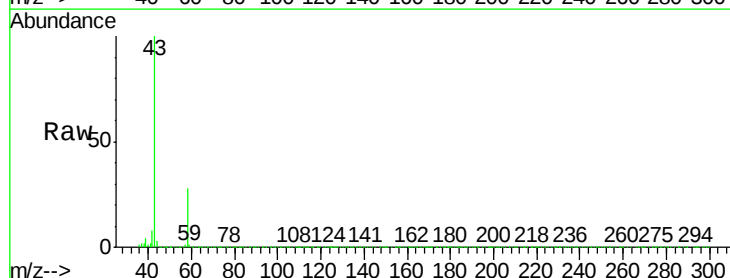
Acq: 02 Apr 2020 11:04

Tgt Ion: 43 Resp: 1505176

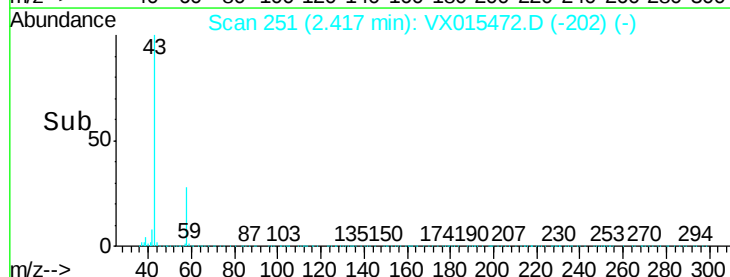
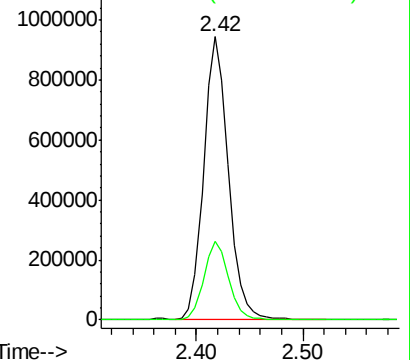
Ion Ratio Lower Upper

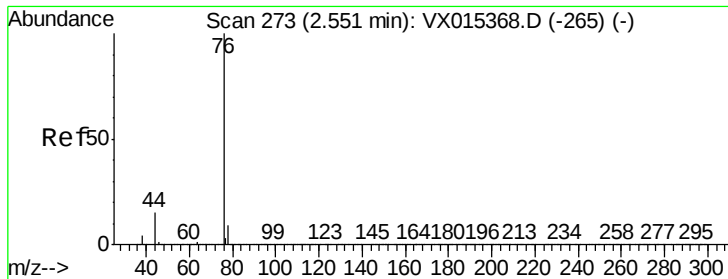
43 100

58 27.8 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX015472.D (-202) (-)





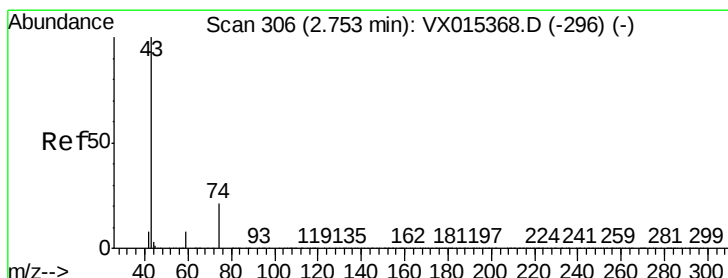
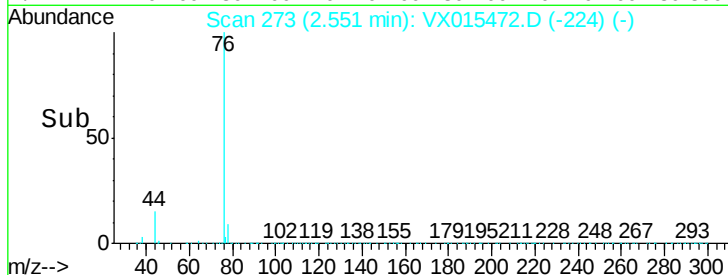
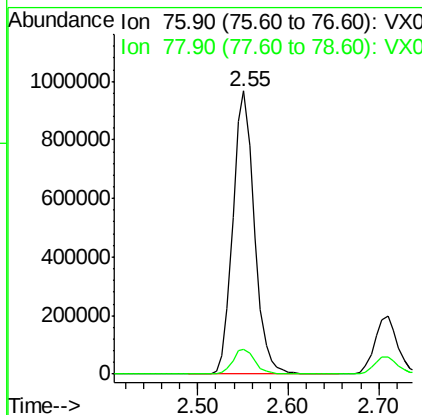
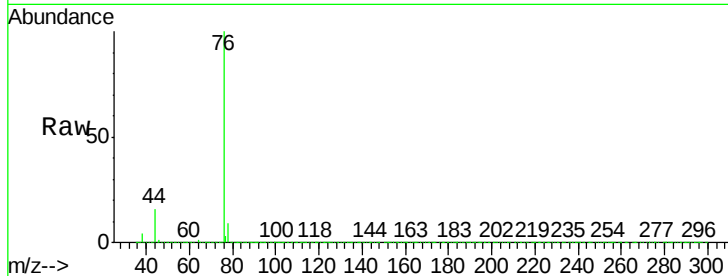
#17
Carbon Disulfide
Concen: 46.034 ug/l
RT: 2.55 min Scan# 273
Delta R.T. -0.00 min
Lab File: VX015472.D
Acq: 02 Apr 2020 11:04

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion: 76 Resp: 1586043
Ion Ratio Lower Upper
76 100
78 8.8 7.1 10.7

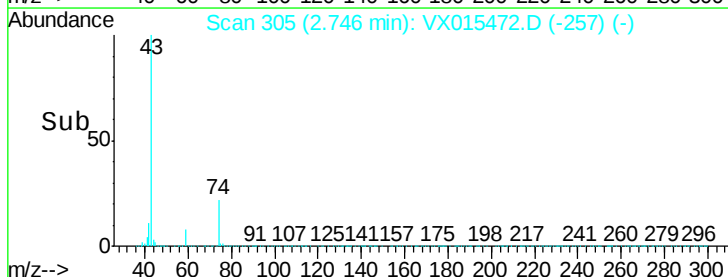
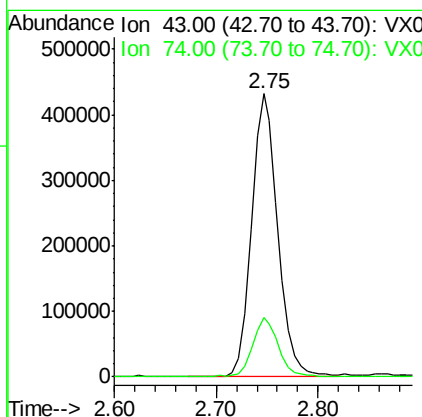
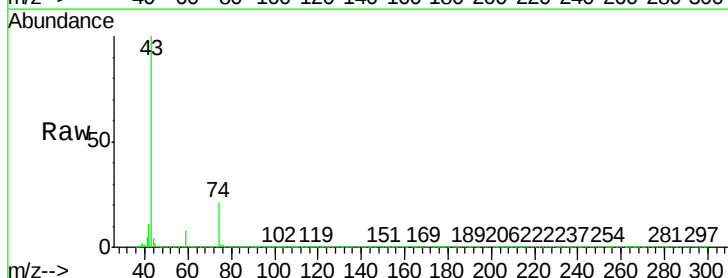
Manual Integrations
APPROVED

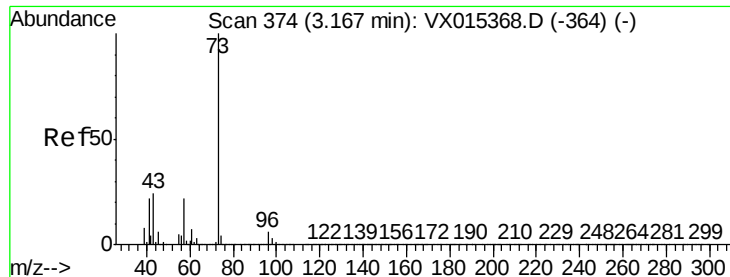
MMDadoda
4/3/2020 12:36:26 PM



#18
Methyl Acetate
Concen: 41.491 ug/l
RT: 2.75 min Scan# 305
Delta R.T. -0.01 min
Lab File: VX015472.D
Acq: 02 Apr 2020 11:04

Tgt Ion: 43 Resp: 767619
Ion Ratio Lower Upper
43 100
74 20.6 16.5 24.7





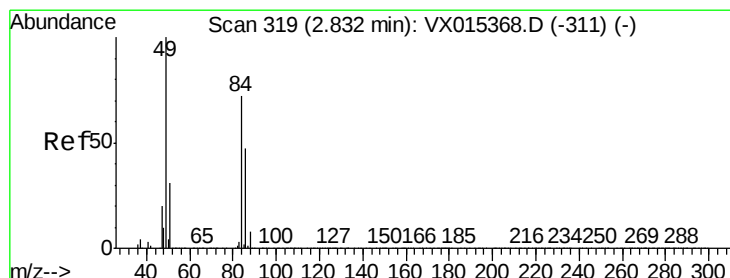
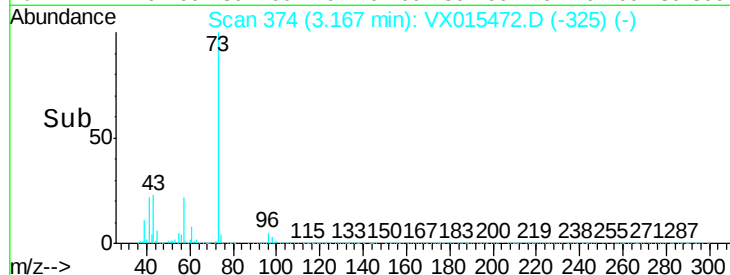
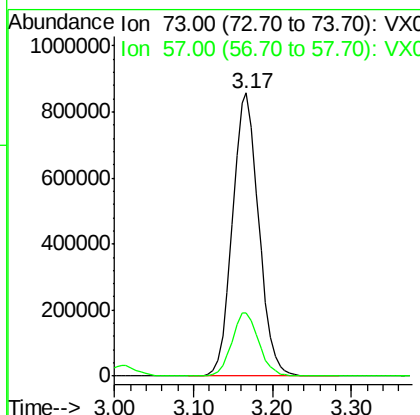
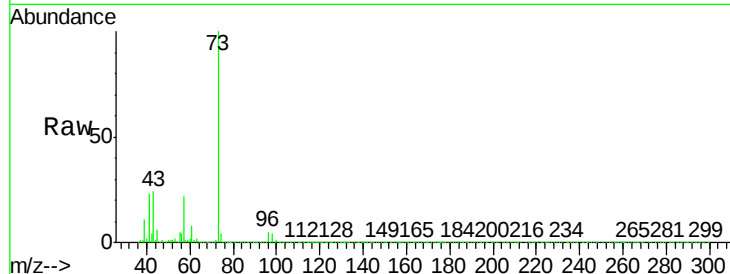
#19
Methyl tert-butyl Ether
Concen: 45.192 ug/l
RT: 3.17 min Scan# 374
Delta R.T. -0.00 min
Lab File: VX015472.D
Acq: 02 Apr 2020 11:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 1979543
Ion Ratio Lower Upper
73 100
57 22.2 17.9 26.9

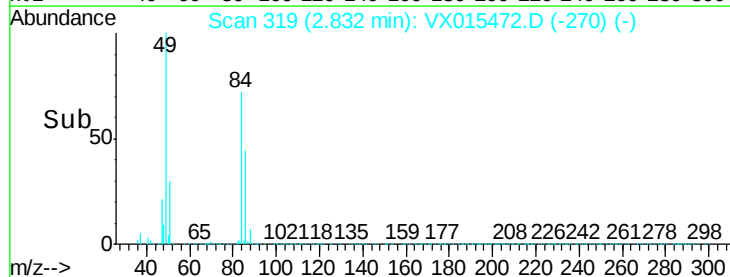
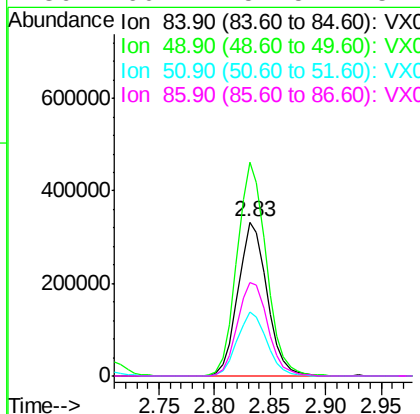
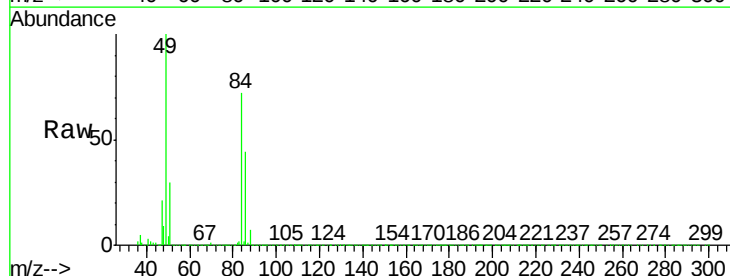
Manual Integrations
APPROVED

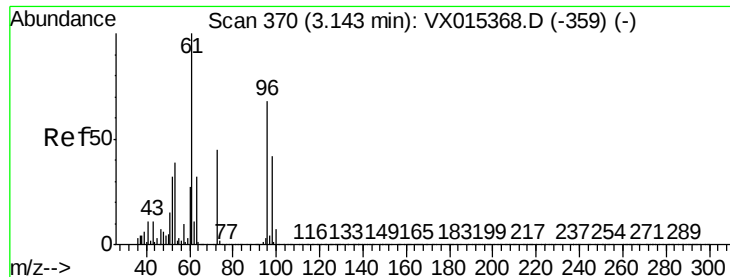
MMDadoda
4/3/2020 12:36:26 PM



#20
Methylene Chloride
Concen: 44.491 ug/l
RT: 2.83 min Scan# 319
Delta R.T. -0.00 min
Lab File: VX015472.D
Acq: 02 Apr 2020 11:04

Tgt Ion: 84 Resp: 602387
Ion Ratio Lower Upper
84 100
49 139.2 111.3 166.9
51 41.9 34.0 51.0
86 60.7 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 46.564 ug/l

RT: 3.14 min Scan# 370

Delta R.T. -0.00 min

Lab File: VX015472.D

Acq: 02 Apr 2020 11:04

Instrument :

MSVOA_X

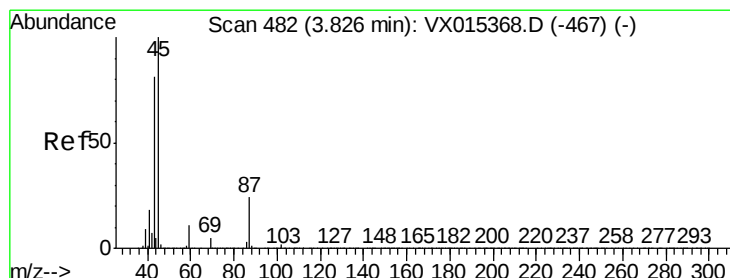
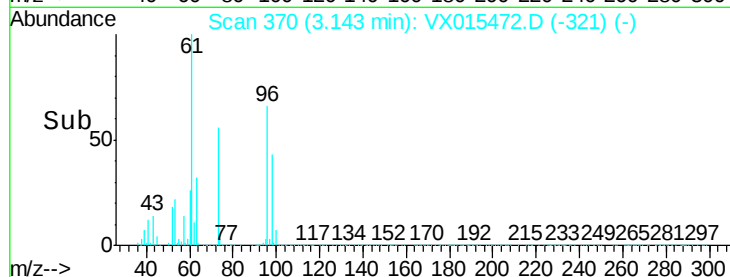
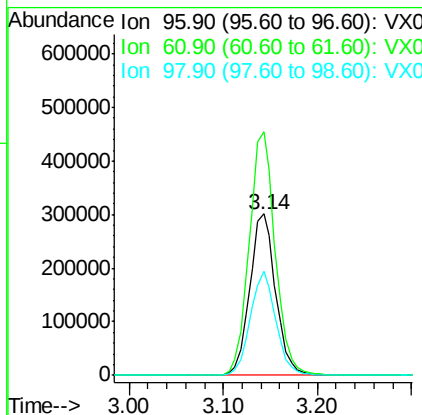
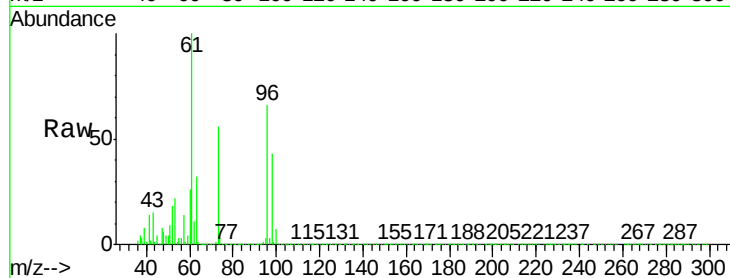
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	583655
Ion Ratio	Lower	Upper	
96	100		
61	150.7	116.9	175.3
98	64.5	48.6	73.0

Manual Integrations
APPROVED

MMDadoda
4/3/2020 12:36:26 PM



#22

Diisopropyl ether

Concen: 46.810 ug/l

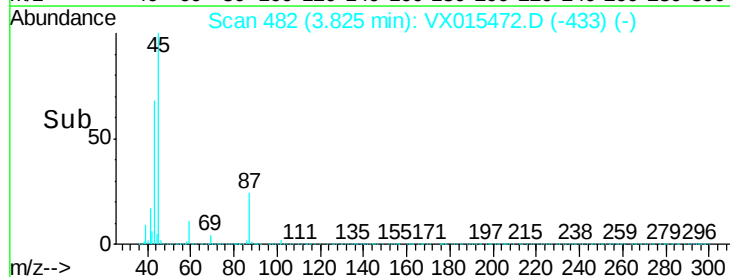
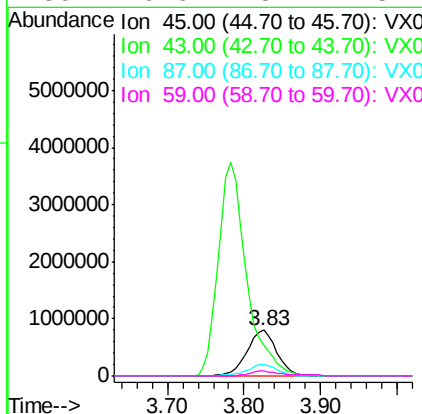
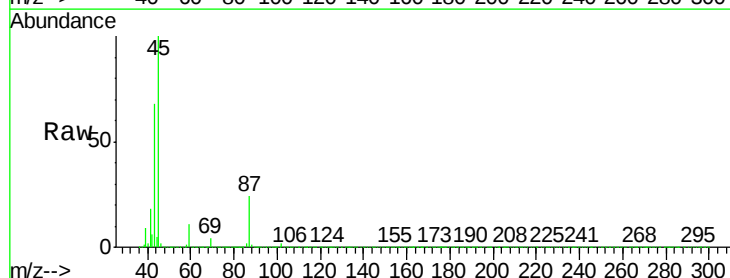
RT: 3.83 min Scan# 482

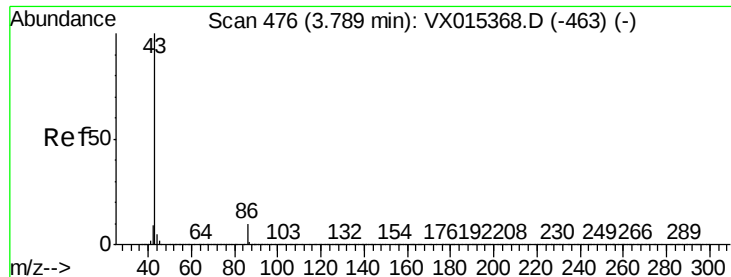
Delta R.T. -0.00 min

Lab File: VX015472.D

Acq: 02 Apr 2020 11:04

Tgt Ion:	45	Resp:	2188940
Ion Ratio	Lower	Upper	
45	100		
43	67.5	64.7	97.1
87	23.9	19.4	29.0
59	10.6	8.7	13.1





#23

Vinyl Acetate

Concen: 227.078 ug/l

RT: 3.78 min Scan# 475

Delta R.T. -0.01 min

Lab File: VX015472.D

Acq: 02 Apr 2020 11:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 9614237

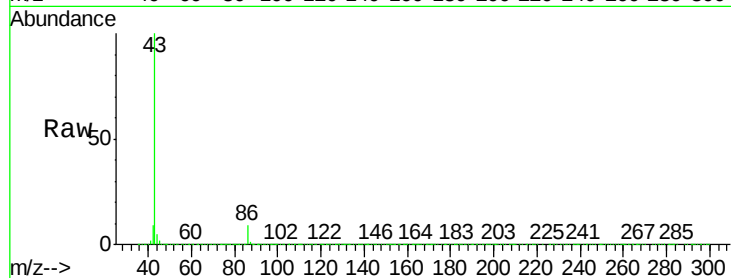
Ion Ratio Lower Upper

43 100

86 9.5 7.8 11.6

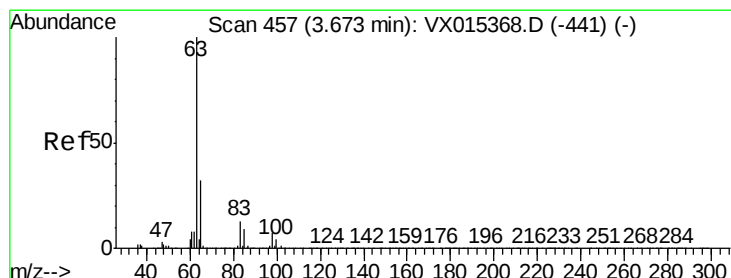
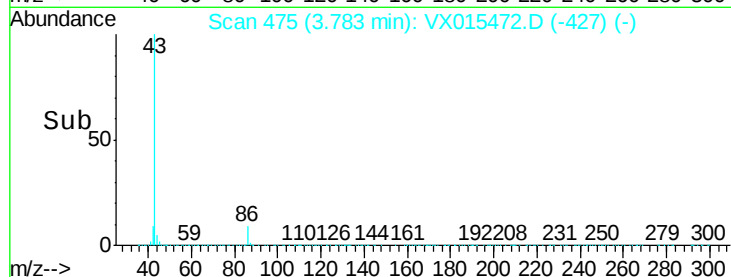
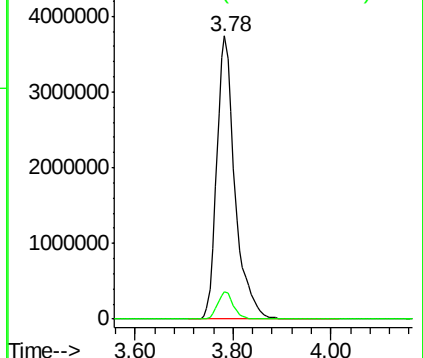
Manual Integrations
APPROVED

MMDadoda
4/3/2020 12:36:26 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 45.703 ug/l

RT: 3.67 min Scan# 456

Delta R.T. -0.01 min

Lab File: VX015472.D

Acq: 02 Apr 2020 11:04

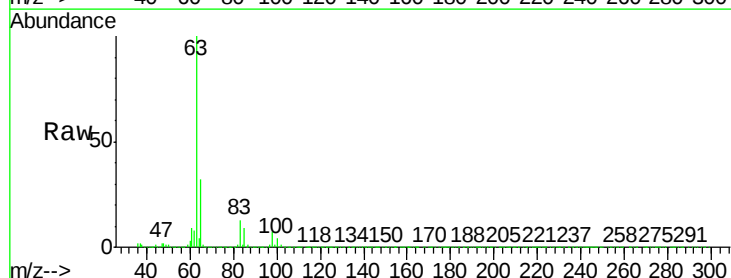
Tgt Ion: 63 Resp: 1125261

Ion Ratio Lower Upper

63 100

98 6.9 3.3 9.8

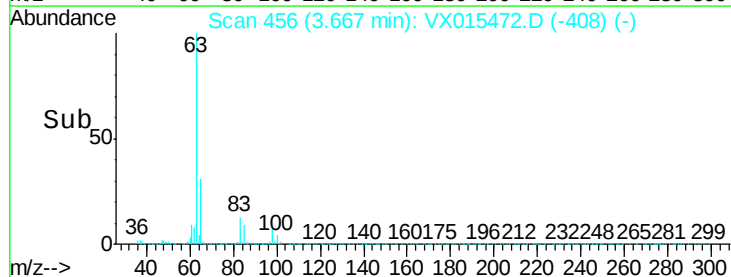
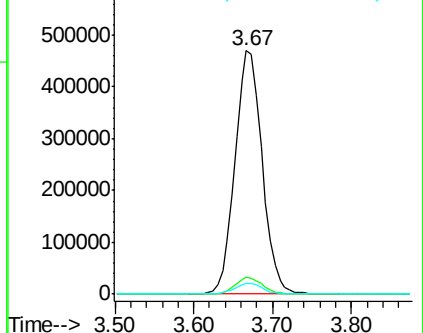
100 4.2 2.1 6.5

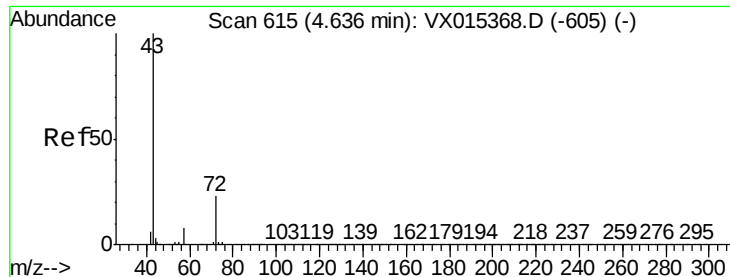


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 201.709 ug/l

RT: 4.63 min Scan# 614

Delta R.T. -0.01 min

Lab File: VX015472.D

Acq: 02 Apr 2020 11:04

Tot Ion: 43 Resp: 2351409

Ion Ratio Lower Upper

43 100

72 22.7 19.0 28.4

Instrument :

MSVOA_X

ClientSampleId :

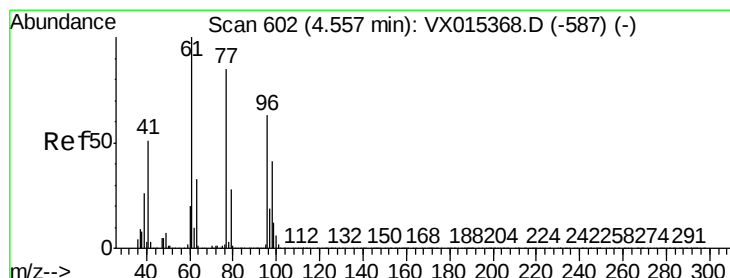
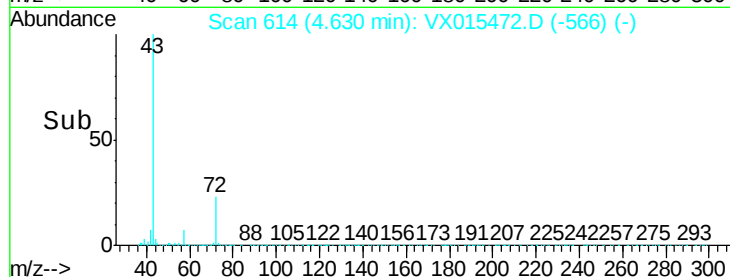
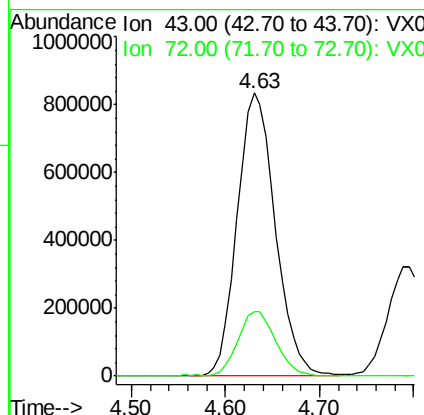
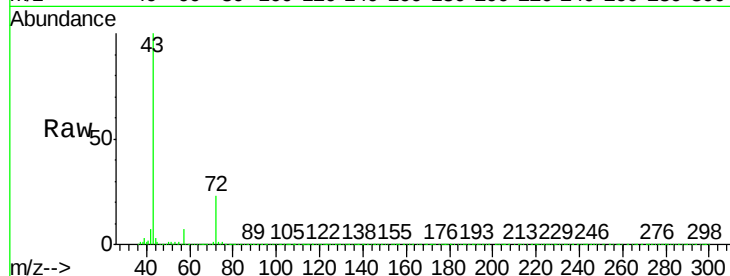
VSTDCCC050

Manual Integrations

APPROVED

MMDadoda

4/3/2020 12:36:26 PM



#26

2,2-Dichloropropane

Concen: 50.805 ug/l

RT: 4.55 min Scan# 601

Delta R.T. -0.01 min

Lab File: VX015472.D

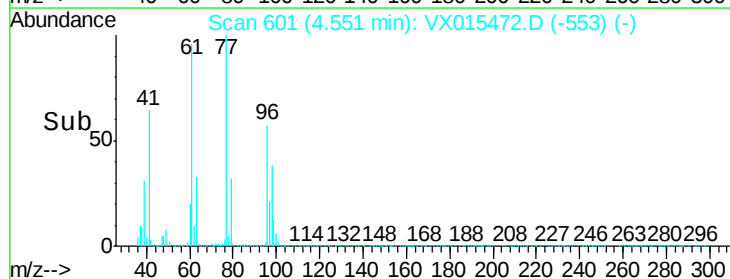
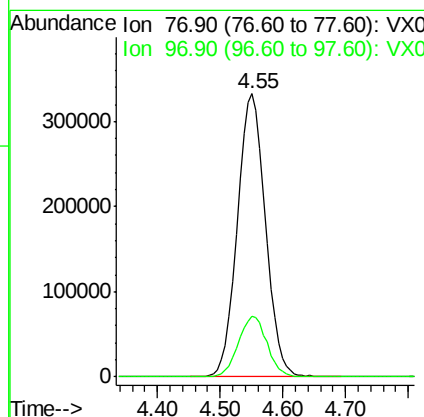
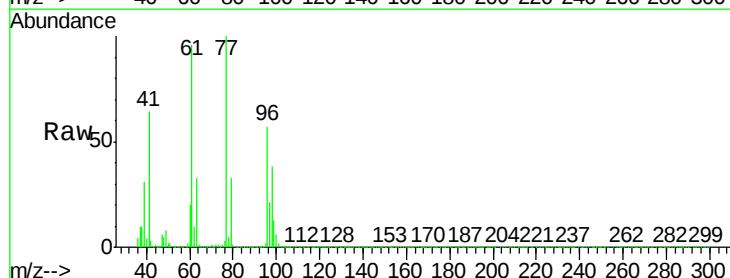
Acq: 02 Apr 2020 11:04

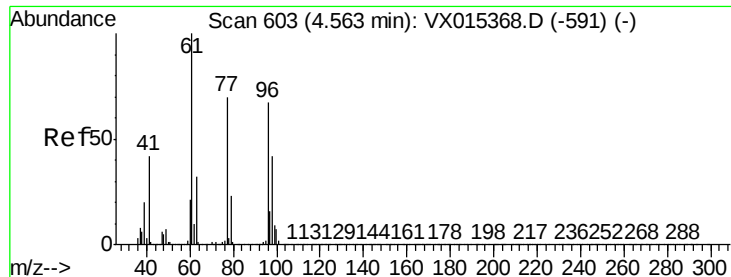
Tgt Ion: 77 Resp: 1026726

Ion Ratio Lower Upper

77 100

97 21.8 11.3 33.8





#27

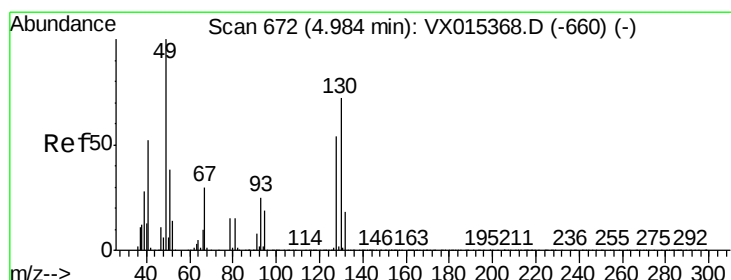
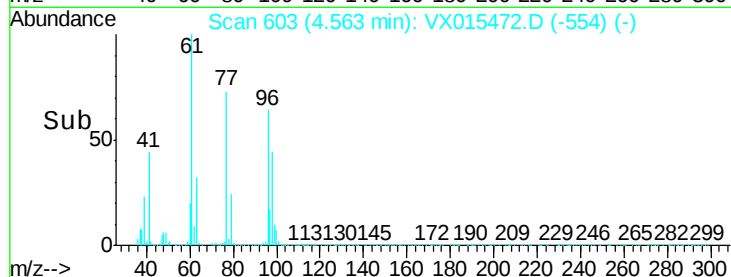
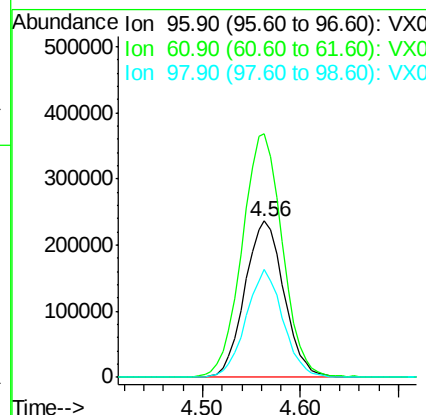
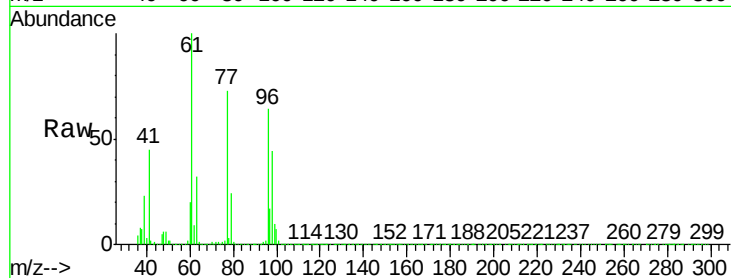
cis-1,2-Dichloroethene
Concen: 45.466 ug/l
RT: 4.56 min Scan# 603
Delta R.T. -0.00 min
Lab File: VX015472.D
Acq: 02 Apr 2020 11:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	160.3	0.0	308.4
98	64.8	0.0	129.2

Manual Integrations
APPROVED

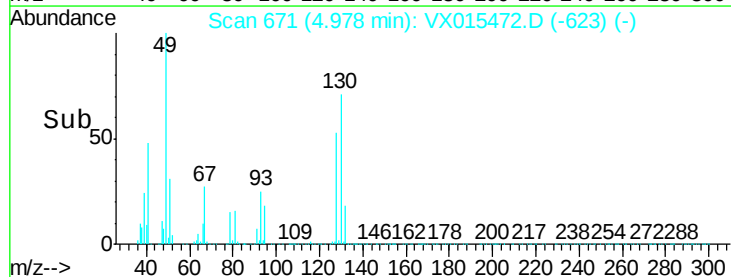
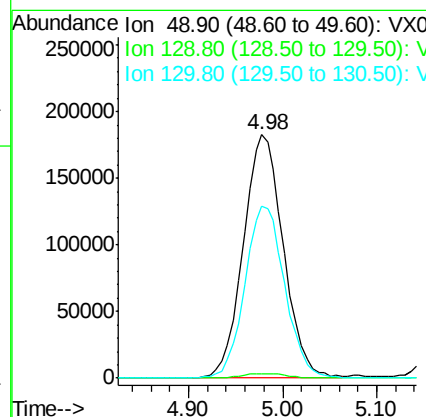
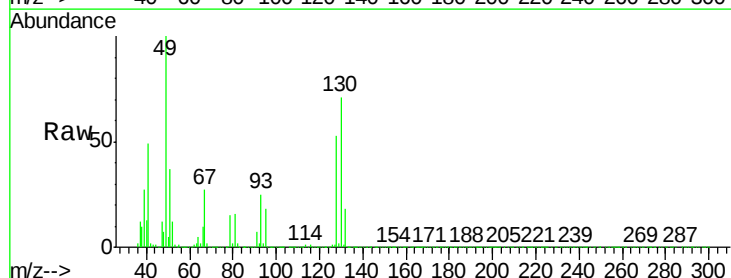
MMDadoda
4/3/2020 12:36:26 PM

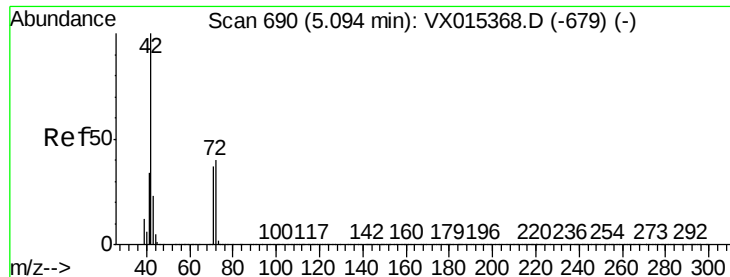


#28

Bromochloromethane
Concen: 45.847 ug/l
RT: 4.98 min Scan# 671
Delta R.T. -0.01 min
Lab File: VX015472.D
Acq: 02 Apr 2020 11:04

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.4
130	70.5	57.7	86.5





#29

Tetrahydrofuran

Concen: 201.084 ug/l m

RT: 5.09 min Scan# 689

Delta R.T. -0.01 min

Lab File: VX015472.D

Acq: 02 Apr 2020 11:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 42 Resp: 1506969

Ion Ratio Lower Upper

42 100

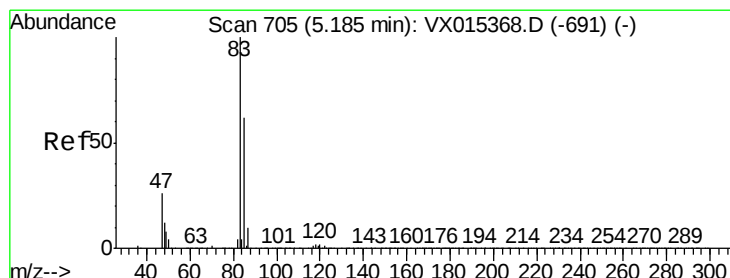
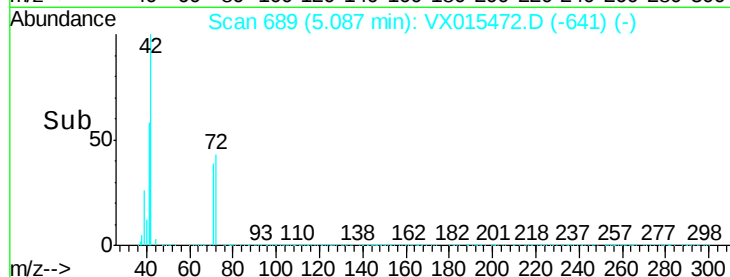
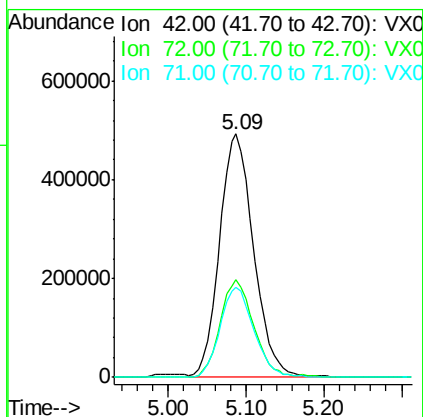
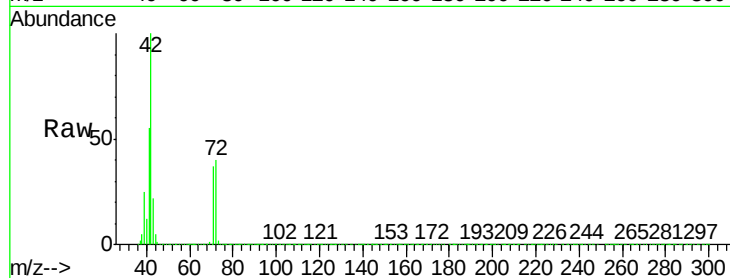
72 39.8 31.7 47.5

71 36.5 29.6 44.4

Manual Integrations
APPROVED

MMDadoda

4/3/2020 12:36:26 PM



#30

Chloroform

Concen: 46.355 ug/l

RT: 5.17 min Scan# 703

Delta R.T. -0.01 min

Lab File: VX015472.D

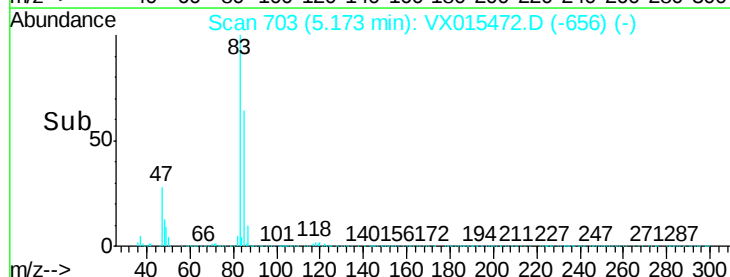
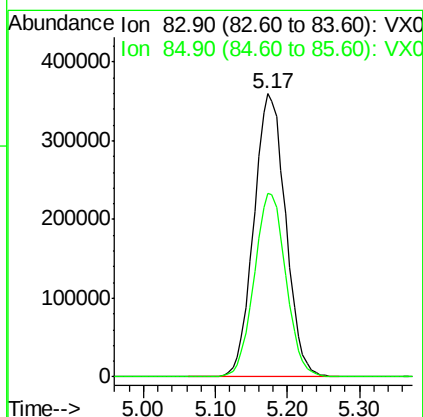
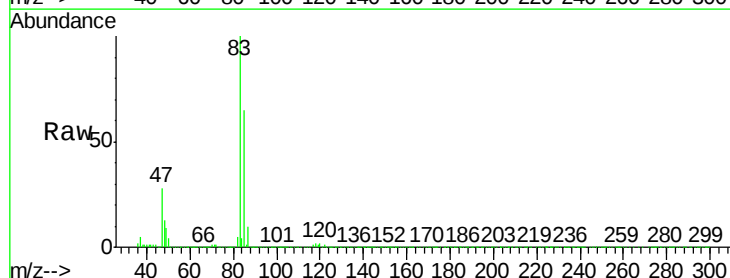
Acq: 02 Apr 2020 11:04

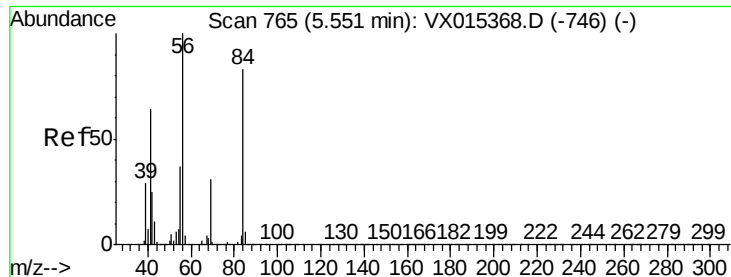
Tgt Ion: 83 Resp: 1098047

Ion Ratio Lower Upper

83 100

85 64.6 49.5 74.3





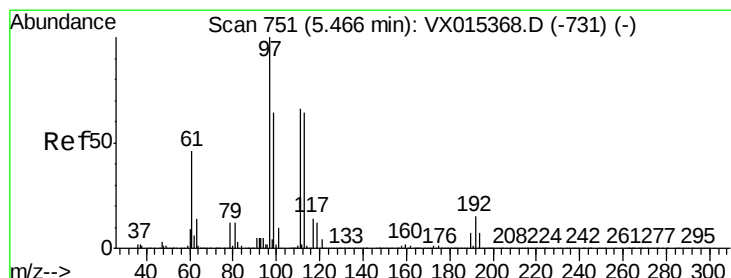
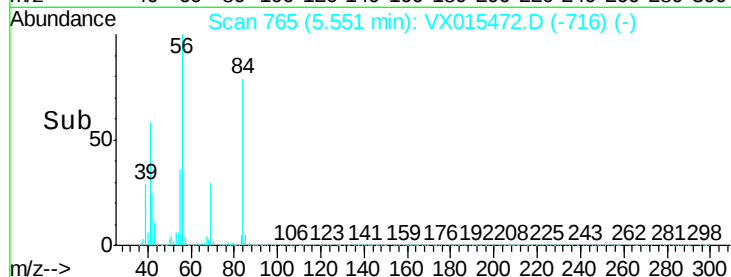
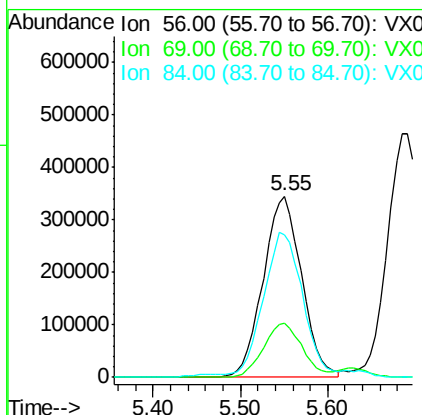
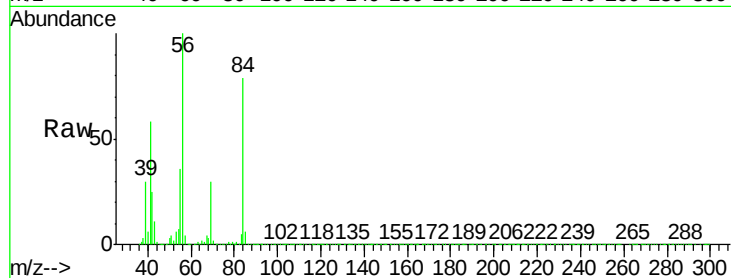
#31
Cyclohexane
Concen: 49.275 ug/l
RT: 5.55 min Scan# 765
Delta R.T. -0.00 min
Lab File: VX015472.D
Acq: 02 Apr 2020 11:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.9	24.6	36.8
84	78.1	66.1	99.1

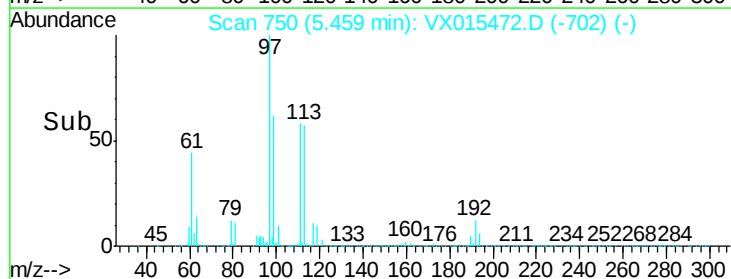
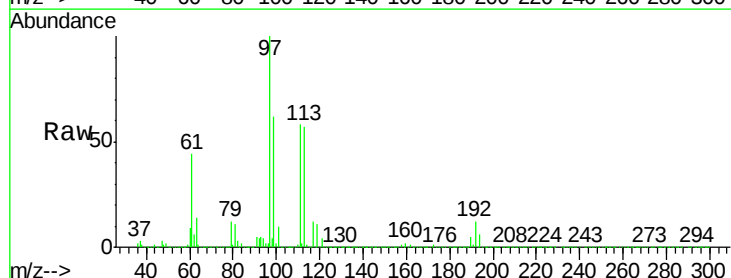
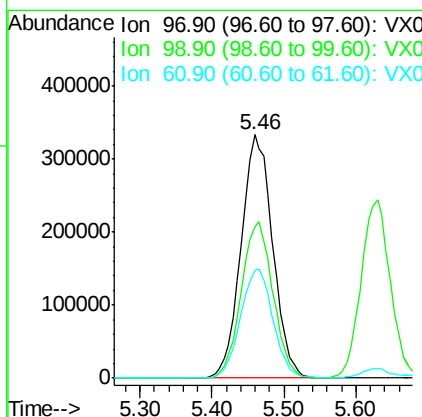
Manual Integrations
APPROVED

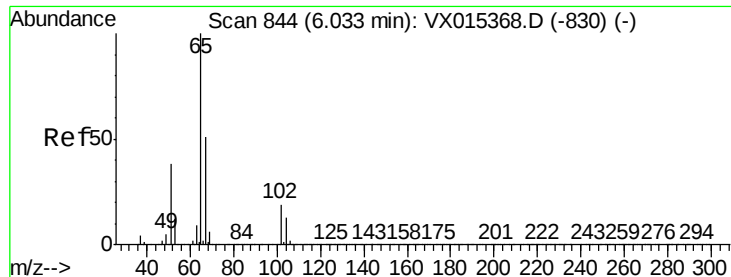
MMDadoda
4/3/2020 12:36:26 PM



#32
1,1,1-Trichloroethane
Concen: 47.338 ug/l
RT: 5.46 min Scan# 750
Delta R.T. -0.01 min
Lab File: VX015472.D
Acq: 02 Apr 2020 11:04

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.0	76.4
61	45.7	36.1	54.1





#33

1,2-Dichloroethane-d4

Concen: 44.390 ug/l

RT: 6.03 min Scan# 844

Delta R.T. -0.00 min

Lab File: VX015472.D

Acq: 02 Apr 2020 11:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 748963

Ion Ratio Lower Upper

65 100

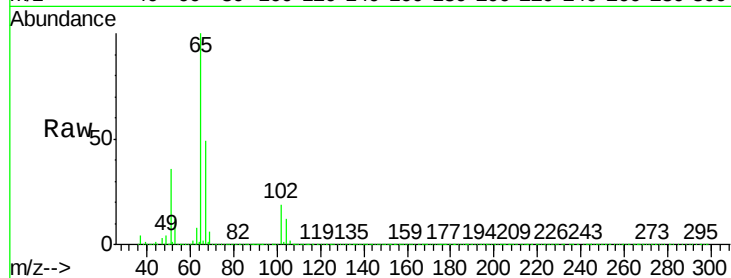
67 50.7 0.0 102.6

Manual Integrations

APPROVED

MMDadoda

4/3/2020 12:36:26 PM



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.03

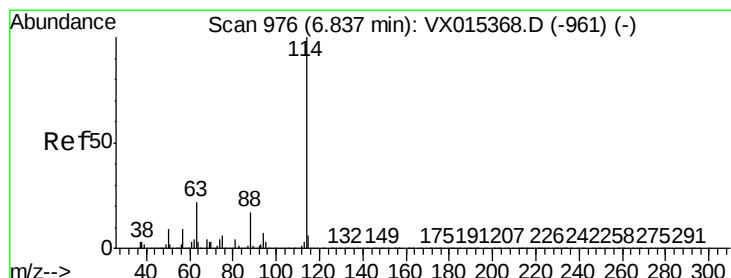
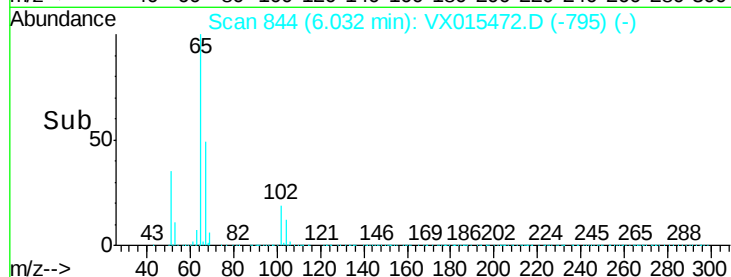
300000

200000

100000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 975

Delta R.T. -0.01 min

Lab File: VX015472.D

Acq: 02 Apr 2020 11:04

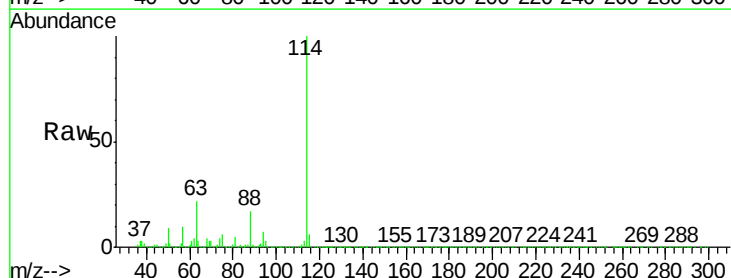
Tgt Ion: 114 Resp: 1808512

Ion Ratio Lower Upper

114 100

63 22.4 0.0 44.2

88 16.7 0.0 33.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.83

1000000

800000

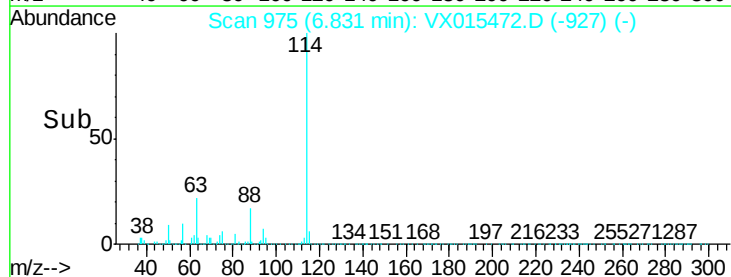
600000

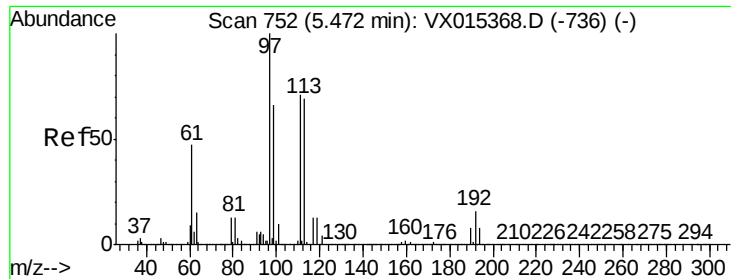
400000

200000

0

Time-->





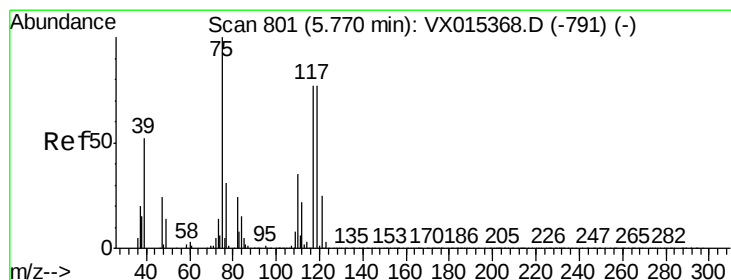
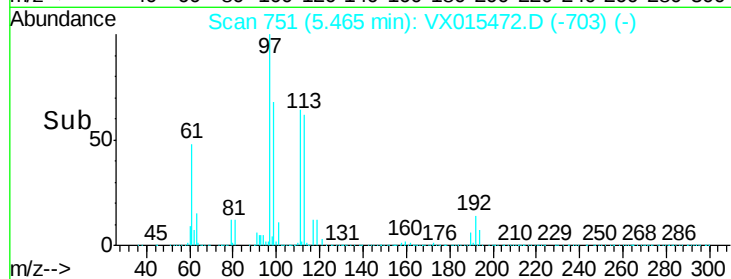
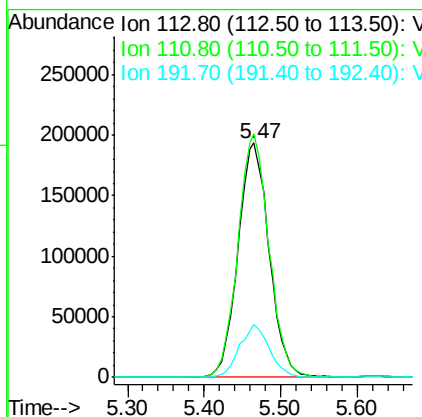
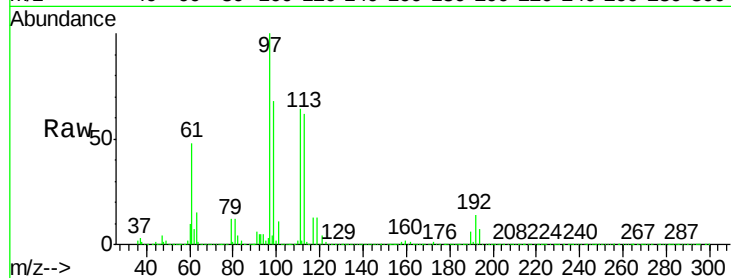
#35
Dibromofluoromethane
Concen: 47.277 ug/l
RT: 5.47 min Scan# 751
Delta R.T. -0.01 min
Lab File: VX015472.D
Acq: 02 Apr 2020 11:04

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	546551		
111	103.5	81.5	122.3	
192	21.8	17.8	26.6	

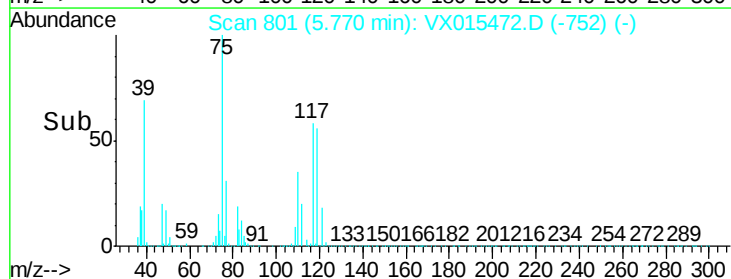
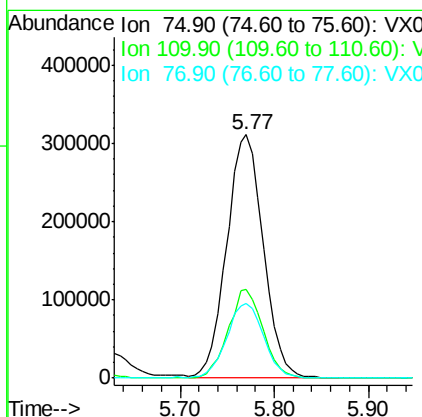
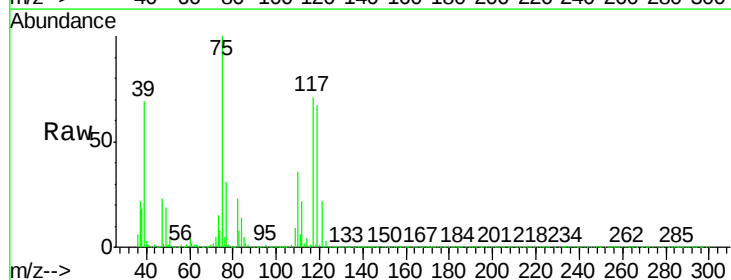
Manual Integrations
APPROVED

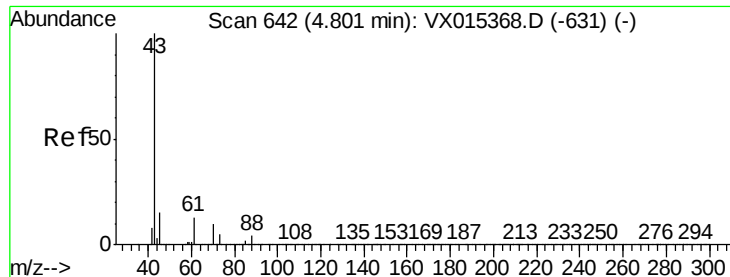
MMDadoda
4/3/2020 12:36:26 PM



#36
1,1-Dichloropropene
Concen: 50.269 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.00 min
Lab File: VX015472.D
Acq: 02 Apr 2020 11:04

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	837651		
110	35.0	17.1	51.3	
77	31.1	24.6	36.8	





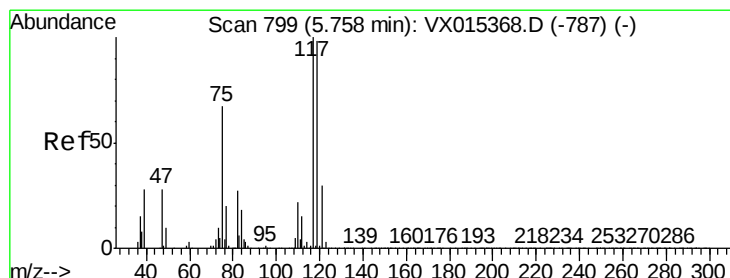
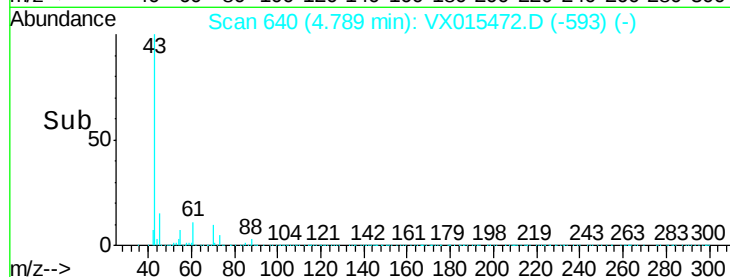
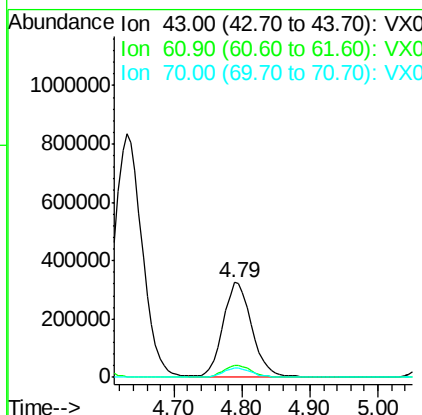
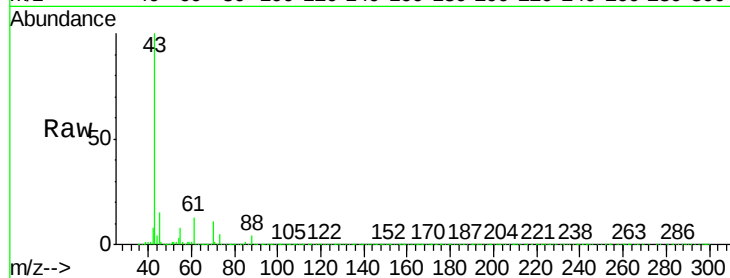
#37
Ethyl Acetate
Concen: 43.665 ug/l
RT: 4.79 min Scan# 640
Delta R.T. -0.01 min
Lab File: VX015472.D
Acq: 02 Apr 2020 11:04

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.3	9.9	14.9
70	9.9	8.1	12.1

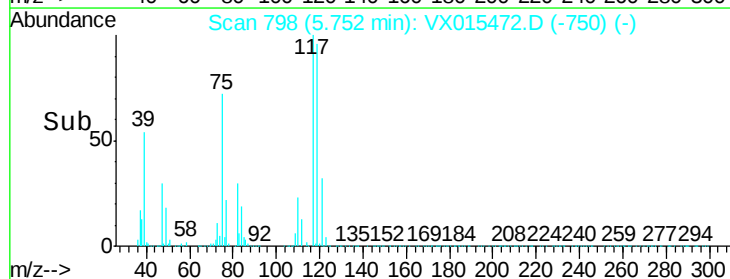
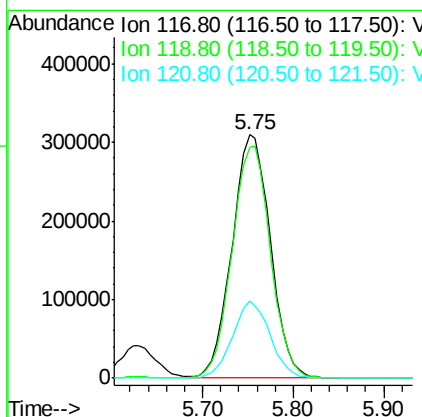
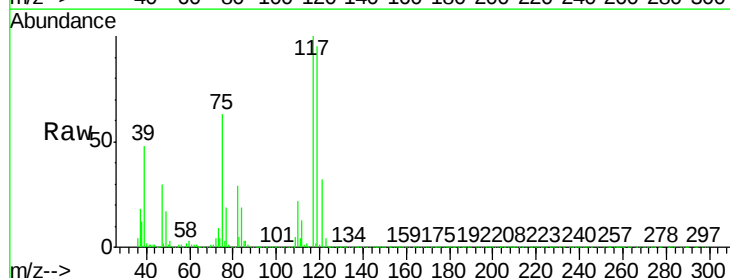
Manual Integrations
APPROVED

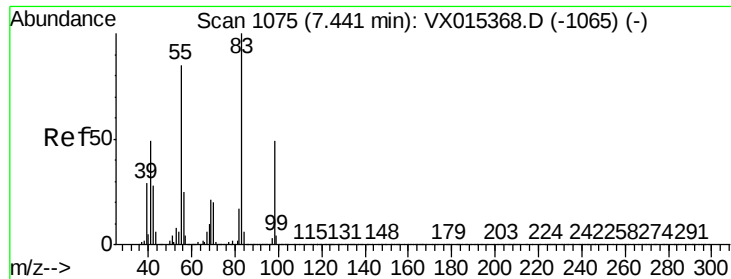
MMDadoda
4/3/2020 12:36:26 PM



#38
Carbon Tetrachloride
Concen: 50.208 ug/l
RT: 5.75 min Scan# 798
Delta R.T. -0.01 min
Lab File: VX015472.D
Acq: 02 Apr 2020 11:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.9	78.0	117.0
121	31.7	23.8	35.8





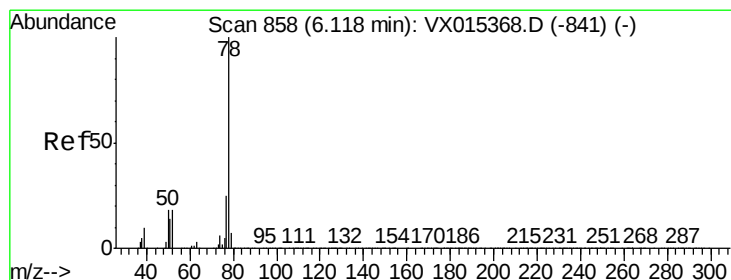
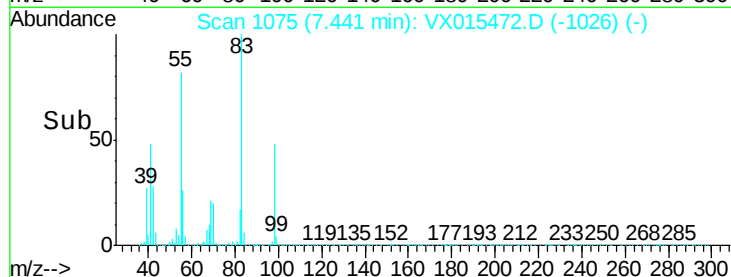
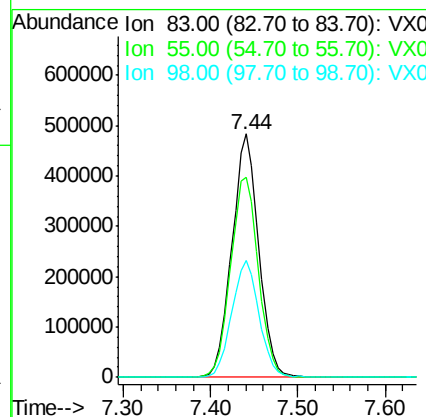
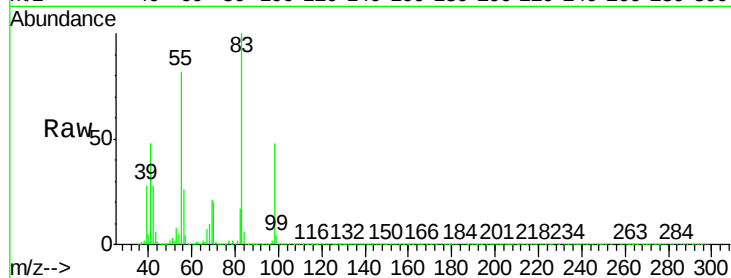
#39
Methvlcvclohexane
Concen: 53.432 ug/l
RT: 7.44 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VX015472.D
Acq: 02 Apr 2020 11:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
83	83	100		
55	55	81.8	67.8	101.6
98	98	47.7	39.3	58.9

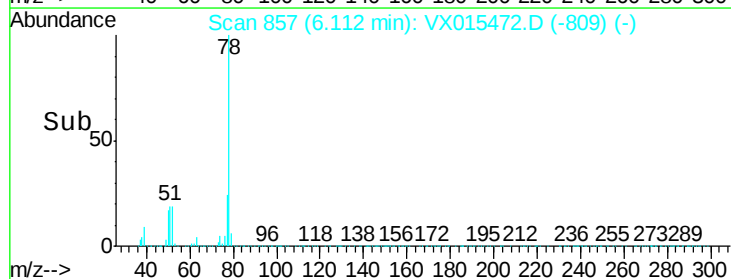
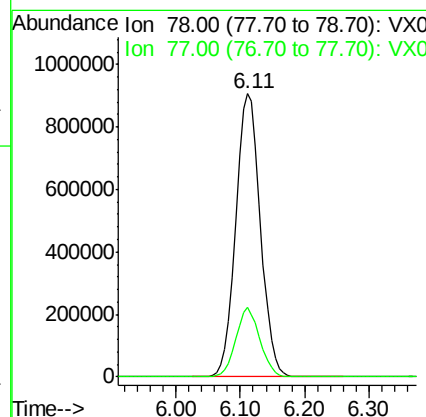
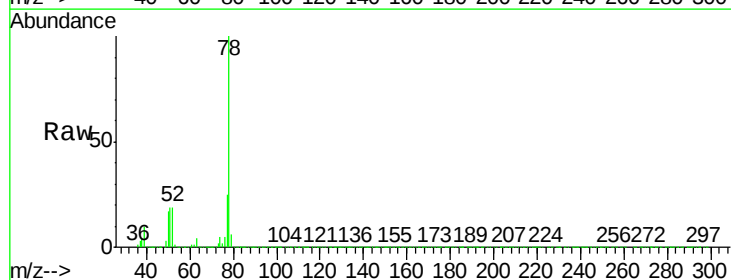
Manual Integrations
APPROVED

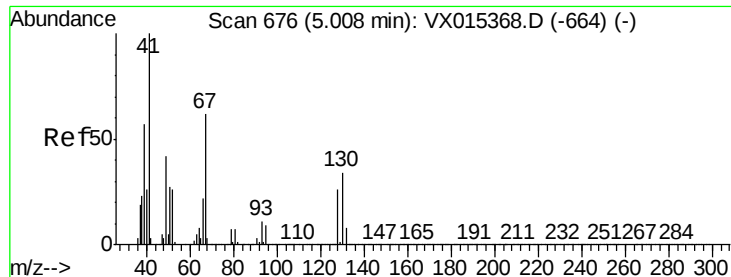
MMDadoda
4/3/2020 12:36:26 PM



#40
Benzene
Concen: 49.543 ug/l
RT: 6.11 min Scan# 857
Delta R.T. -0.01 min
Lab File: VX015472.D
Acq: 02 Apr 2020 11:04

Tgt Ion	Ion	Ratio	Lower	Upper
78	78	100		
77	77	24.5	19.8	29.8





#41

Methacrylonitrile

Concen: 45.708 ug/l

RT: 5.00 min Scan# 675

Delta R.T. -0.01 min

Lab File: VX015472.D

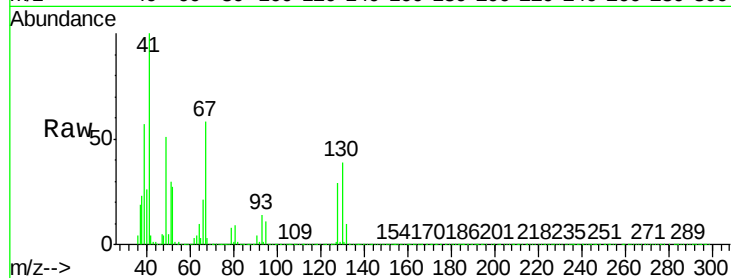
Acq: 02 Apr 2020 11:04

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		550521		
39	55.6	44.5	66.7		
67	61.5	48.9	73.3		
52	27.1	21.8	32.6		

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
4/3/2020 12:36:26 PM



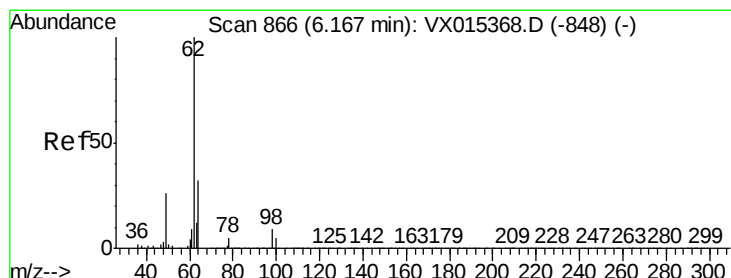
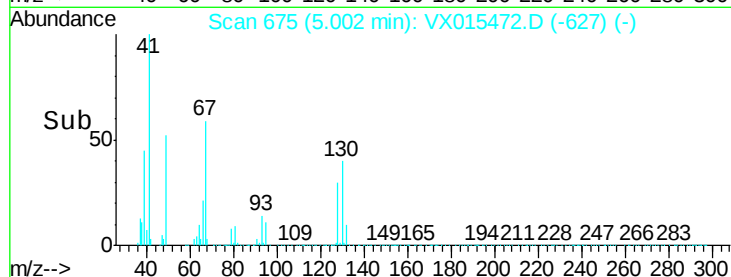
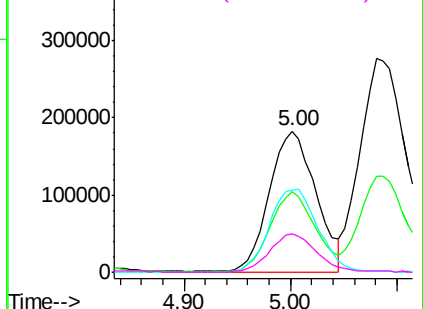
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 48.633 ug/l

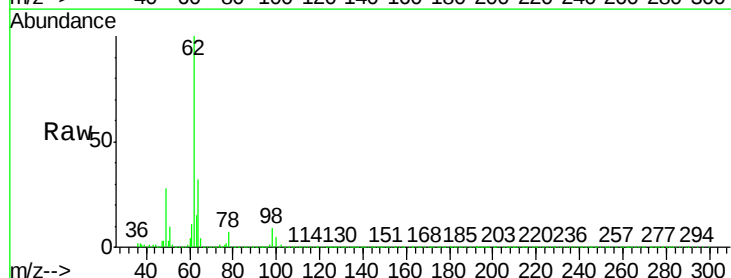
RT: 6.16 min Scan# 865

Delta R.T. -0.01 min

Lab File: VX015472.D

Acq: 02 Apr 2020 11:04

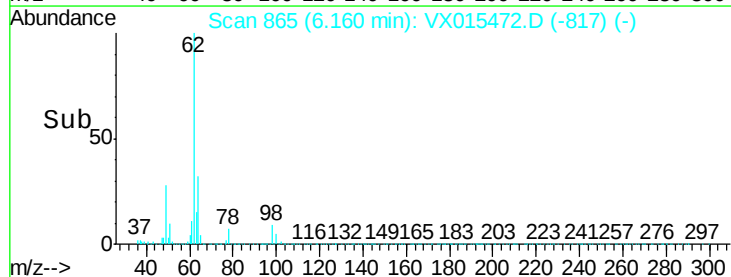
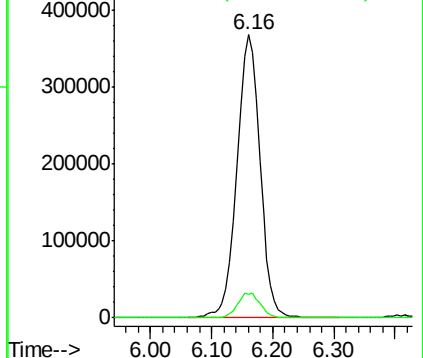
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		953528		
98	8.7	0.0	17.6		

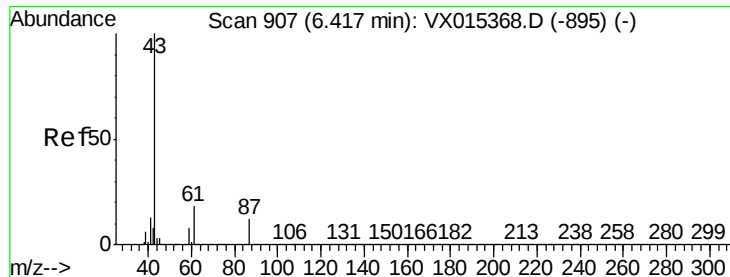


Abundance

Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

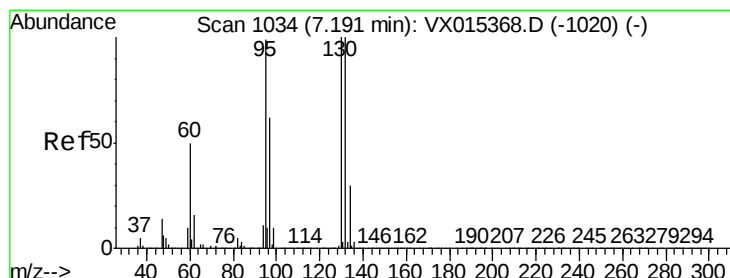
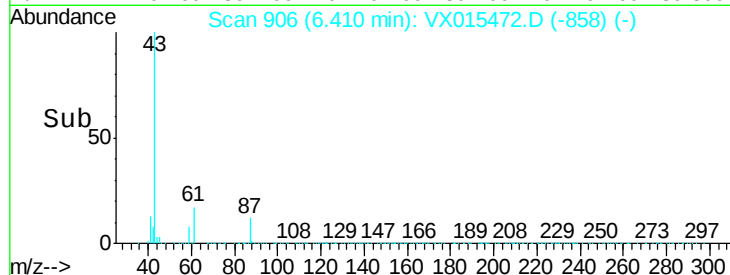
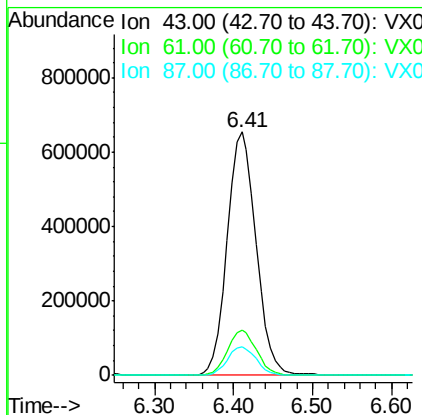
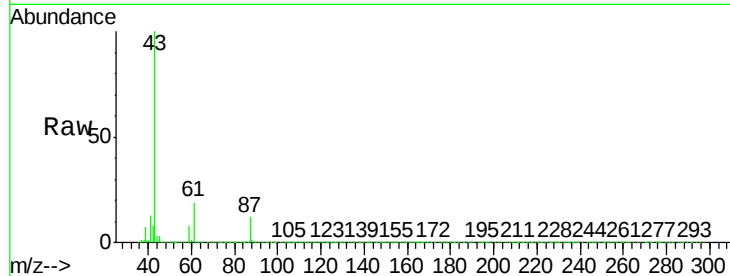
Isopropyl Acetate
 Concen: 45.278 ug/l
 RT: 6.41 min Scan# 906
 Delta R.T. -0.01 min
 Lab File: VX015472.D
 Acq: 02 Apr 2020 11:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.9	14.8	22.2
87	11.8	9.4	14.0

Manual Integrations
 APPROVED

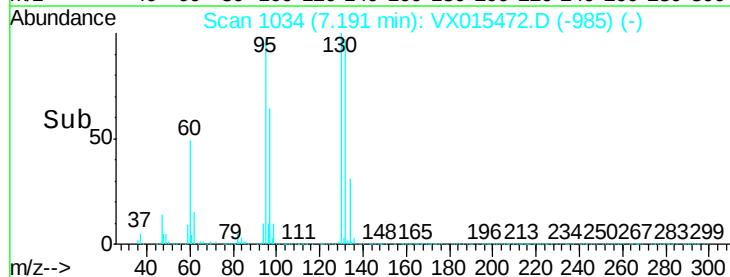
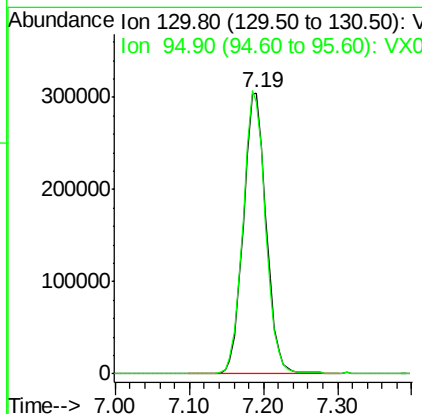
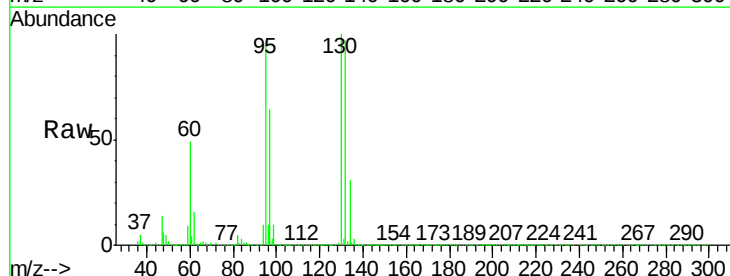
MMDadoda
 4/3/2020 12:36:26 PM

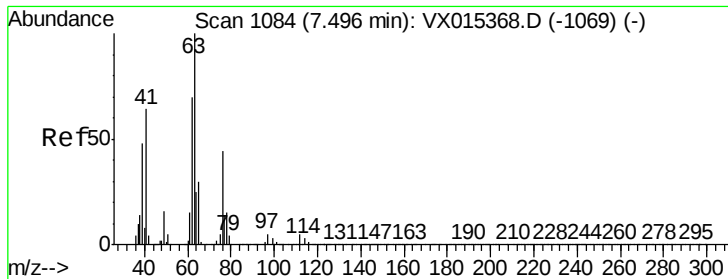


#44

Trichloroethene
 Concen: 49.186 ug/l
 RT: 7.19 min Scan# 1034
 Delta R.T. -0.00 min
 Lab File: VX015472.D
 Acq: 02 Apr 2020 11:04

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.9	0.0	199.0





#45

1,2-Dichloropropane

Concen: 48.020 ug/l

RT: 7.49 min Scan# 1083

Delta R.T. -0.01 min

Lab File: VX015472.D

Acq: 02 Apr 2020 11:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 641213

Ion Ratio Lower Upper

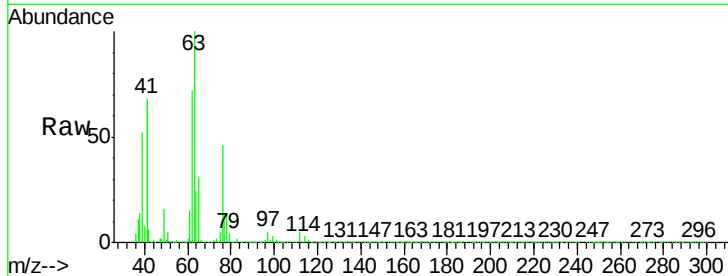
63 100

65 30.5 23.9 35.9

Manual Integrations
APPROVED

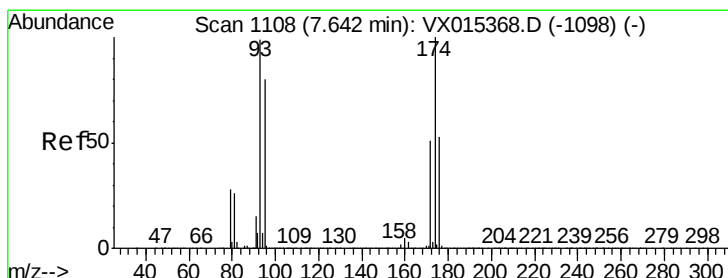
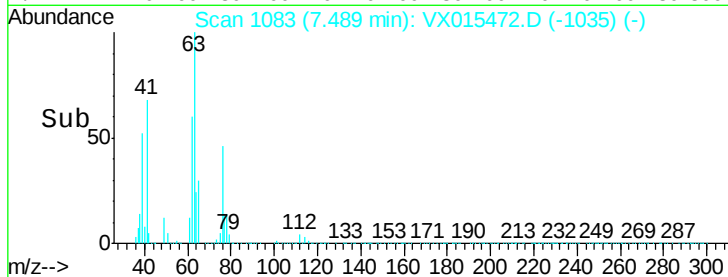
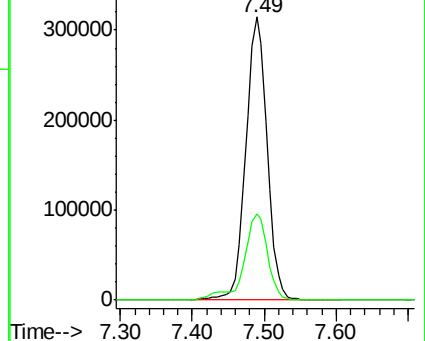
MMDadoda

4/3/2020 12:36:26 PM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 48.042 ug/l

RT: 7.64 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VX015472.D

Acq: 02 Apr 2020 11:04

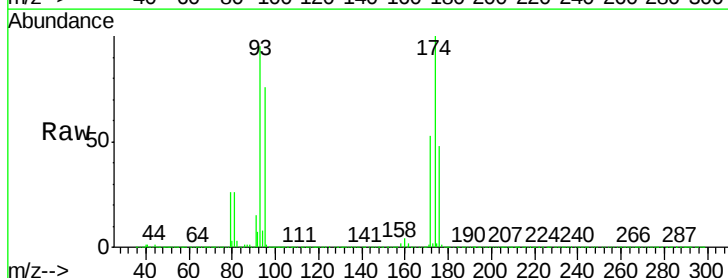
Tgt Ion: 93 Resp: 420808

Ion Ratio Lower Upper

93 100

95 82.2 65.8 98.8

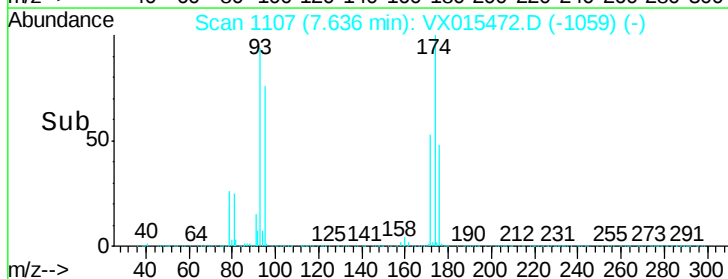
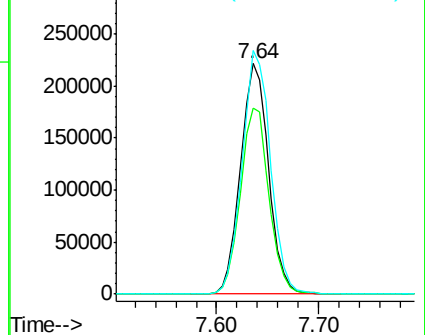
174 107.1 86.2 129.2

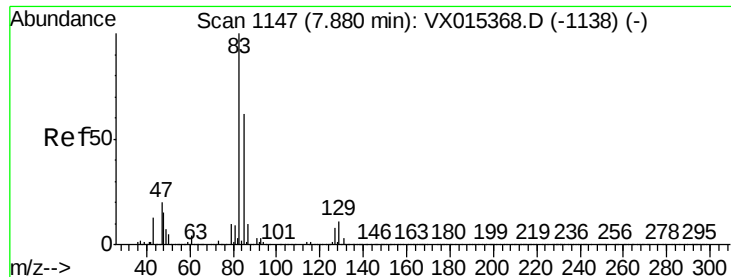


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





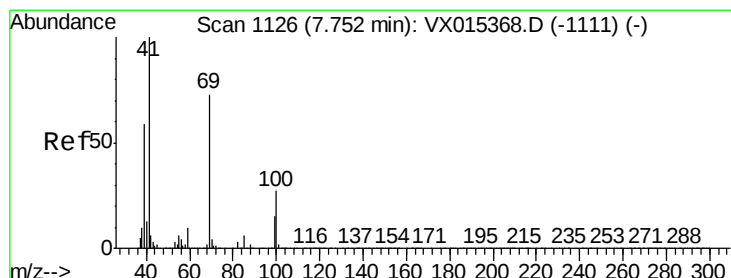
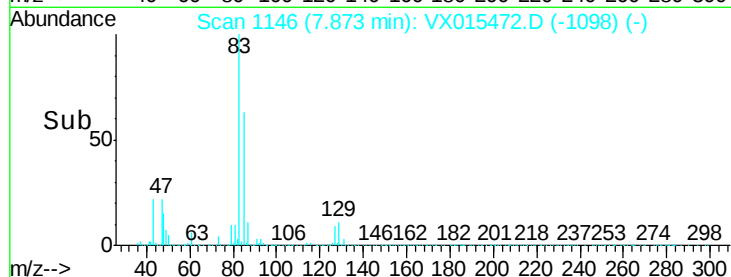
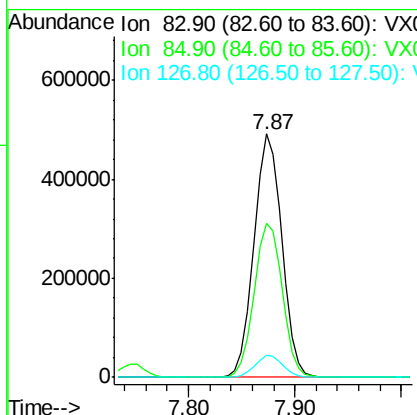
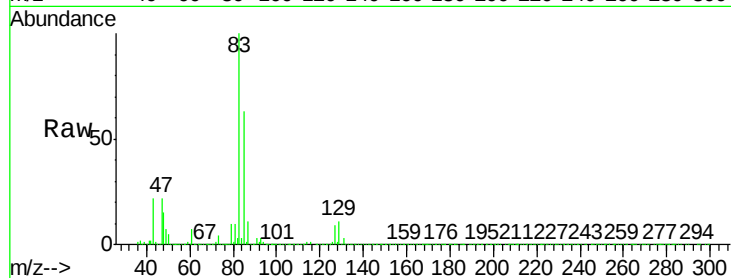
#47
Bromodichloromethane
Concen: 48.640 ug/l
RT: 7.87 min Scan# 1146
Delta R.T. -0.01 min
Lab File: VX015472.D
Acq: 02 Apr 2020 11:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	83	Resp:	907823
Ion Ratio	Lower	Upper	
83	100		
85	63.4	49.7	74.5
127	8.9	6.7	10.1

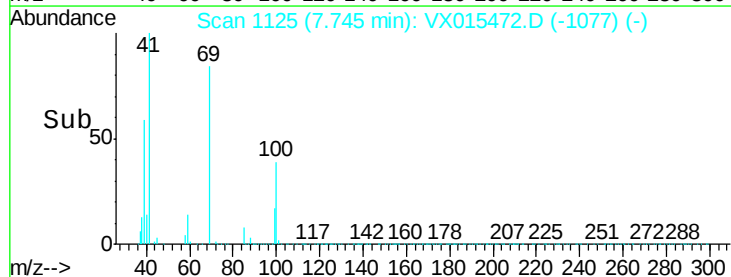
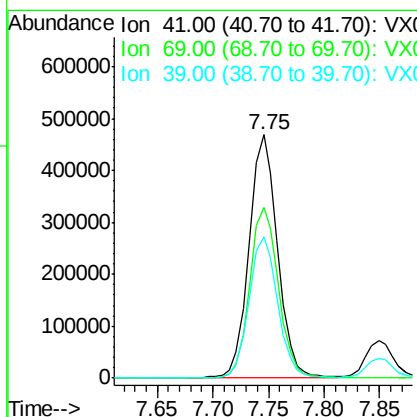
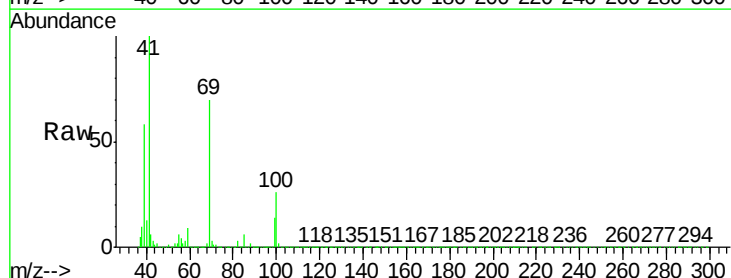
Manual Integrations
APPROVED

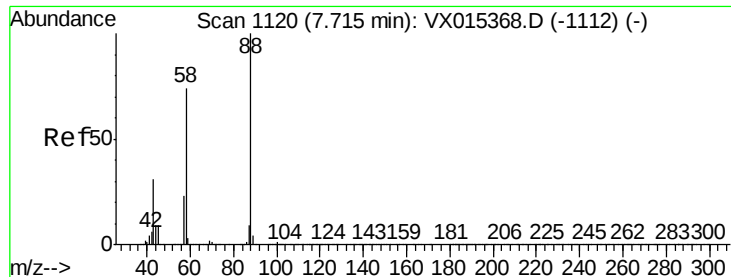
MMDadoda
4/3/2020 12:36:26 PM



#48
Methyl methacrylate
Concen: 45.434 ug/l
RT: 7.75 min Scan# 1125
Delta R.T. -0.01 min
Lab File: VX015472.D
Acq: 02 Apr 2020 11:04

Tgt Ion:	41	Resp:	831191
Ion Ratio	Lower	Upper	
41	100		
69	71.4	56.7	85.1
39	58.6	46.5	69.7





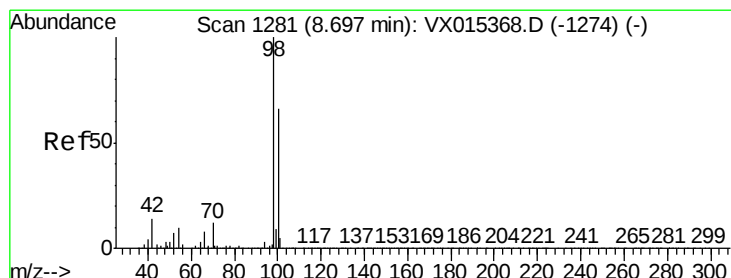
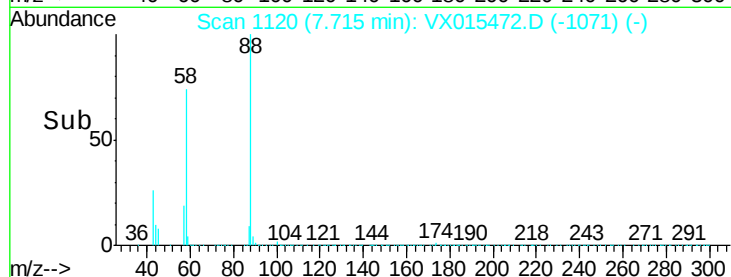
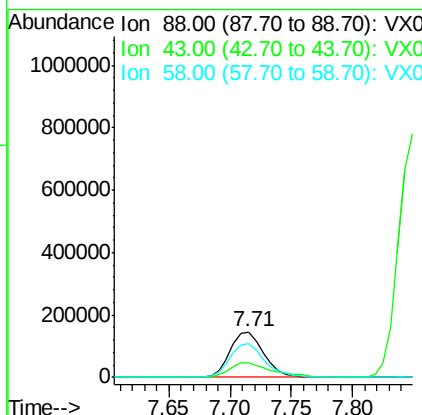
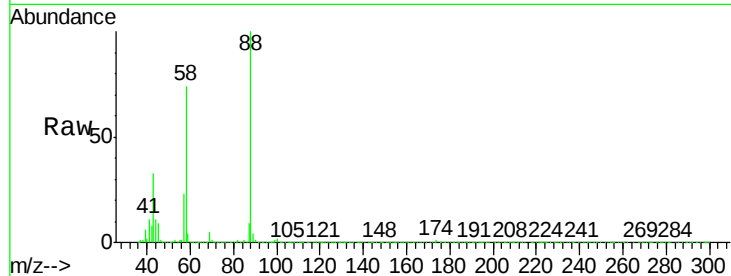
#49
1,4-Dioxane
Concen: 815.078 ug/l
RT: 7.71 min Scan# 1120
Delta R.T. -0.00 min
Lab File: VX015472.D
Acq: 02 Apr 2020 11:04

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.1	30.1	45.1
58	77.3	60.6	90.8

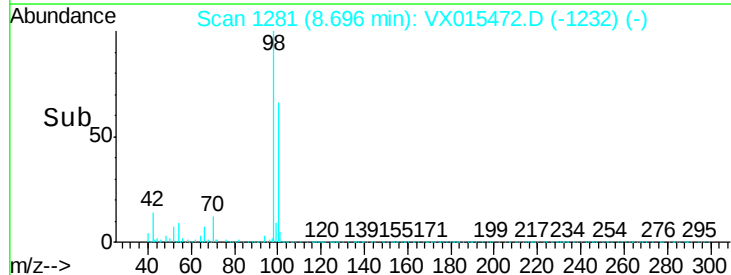
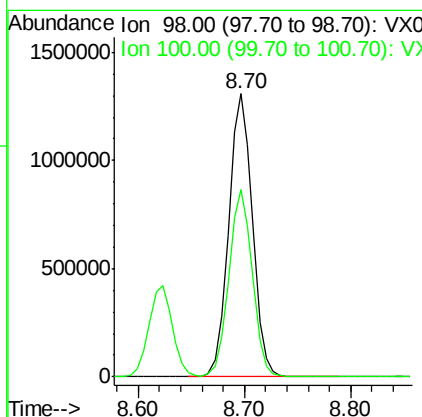
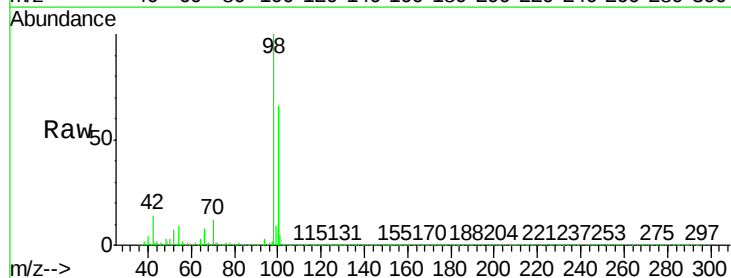
Manual Integrations
APPROVED

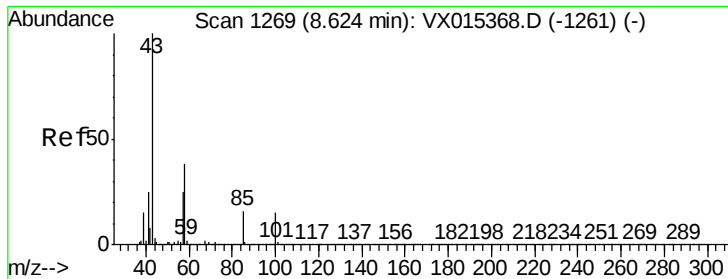
MMDadoda
4/3/2020 12:36:26 PM



#50
Toluene-d8
Concen: 47.832 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. -0.00 min
Lab File: VX015472.D
Acq: 02 Apr 2020 11:04

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.7	53.5	80.3





#51

4-Methyl-2-Pentanone

Concen: 221.441 ug/l

RT: 8.62 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VX015472.D

Acq: 02 Apr 2020 11:04

Tot Ion: 43 Resp: 4596472

Ion Ratio Lower Upper

43 100

58 36.9 29.7 44.5

Instrument :

MSVOA_X

ClientSampleId :

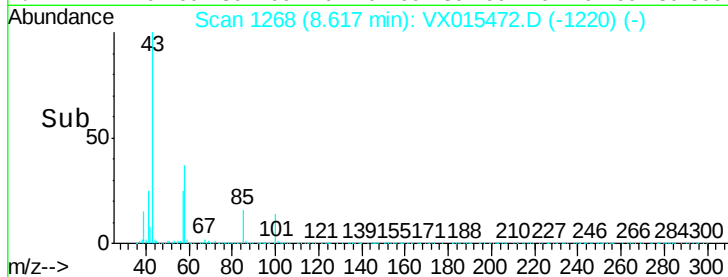
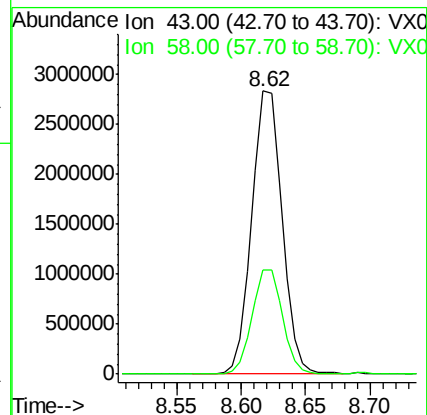
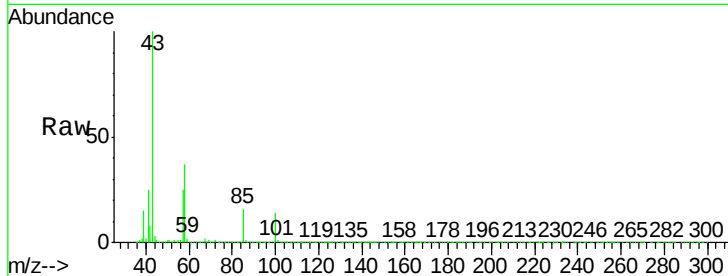
VSTDCCC050

Manual Integrations

APPROVED

MMDadoda

4/3/2020 12:36:26 PM



#52

Toluene

Concen: 50.040 ug/l

RT: 8.76 min Scan# 1292

Delta R.T. -0.01 min

Lab File: VX015472.D

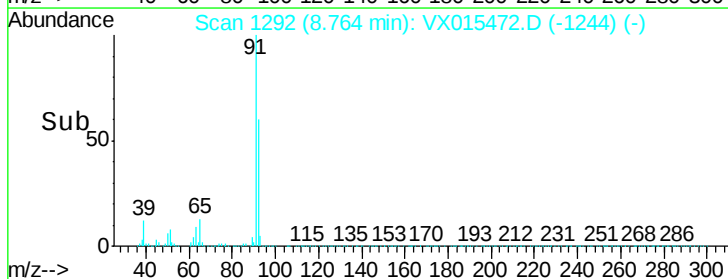
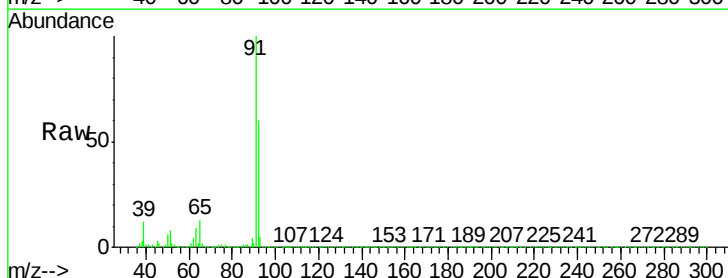
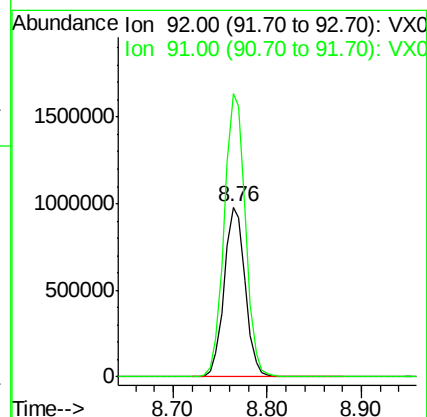
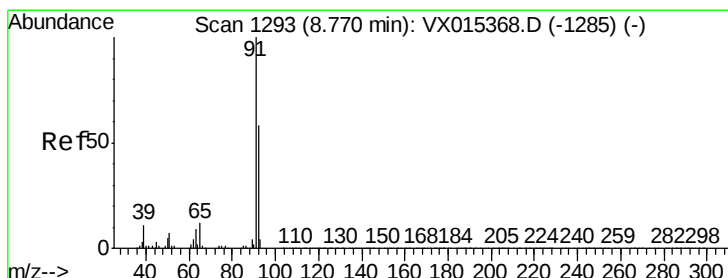
Acq: 02 Apr 2020 11:04

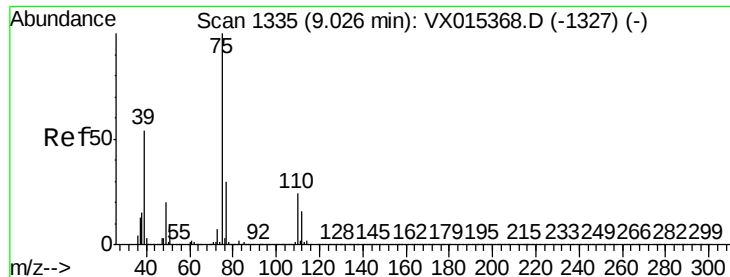
Tgt Ion: 92 Resp: 1505895

Ion Ratio Lower Upper

92 100

91 168.2 136.6 205.0





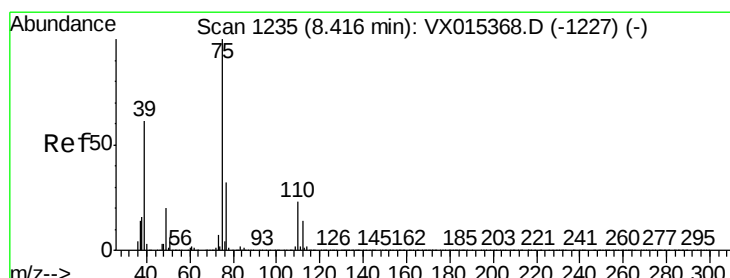
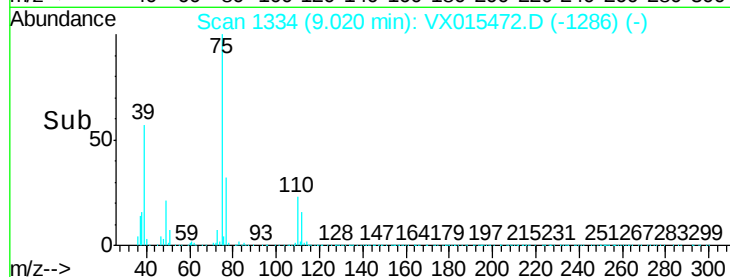
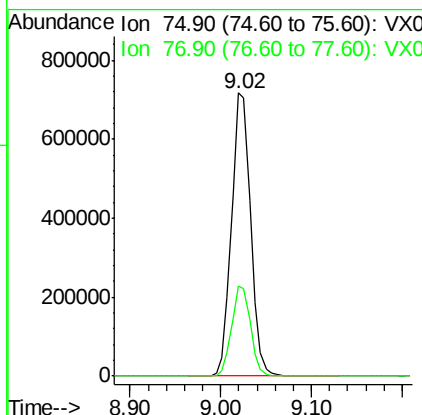
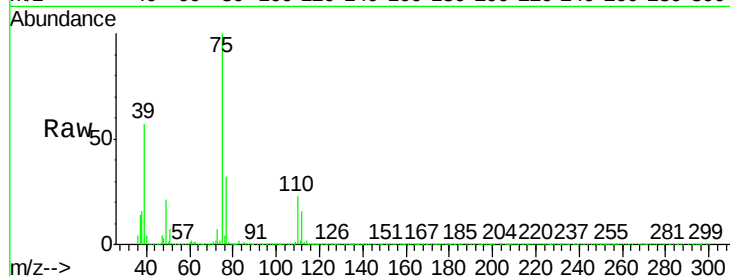
#53
t-1,3-Dichloropropene
Concen: 47.880 ug/l
RT: 9.02 min Scan# 1334
Delta R.T. -0.01 min
Lab File: VX015472.D
Acq: 02 Apr 2020 11:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 1048088
Ion Ratio Lower Upper
75 100
77 31.9 24.1 36.1

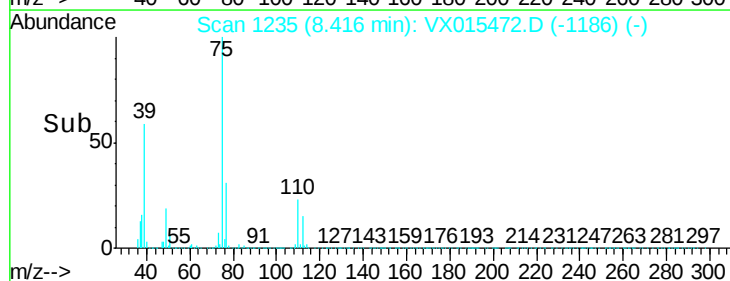
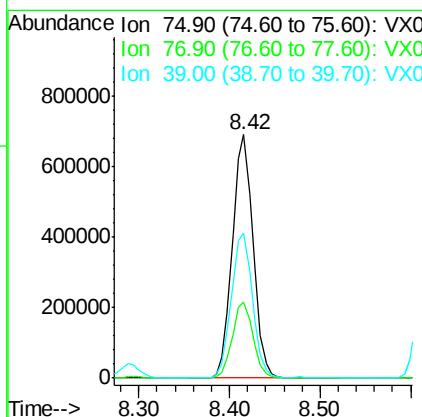
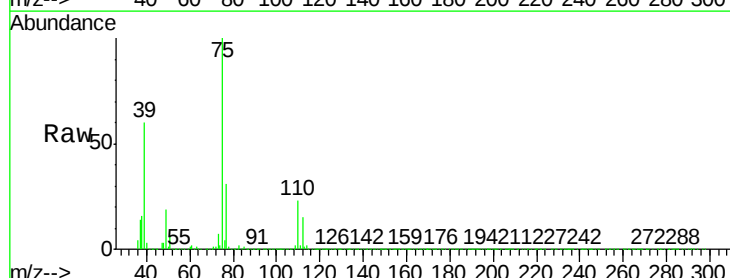
Manual Integrations
APPROVED

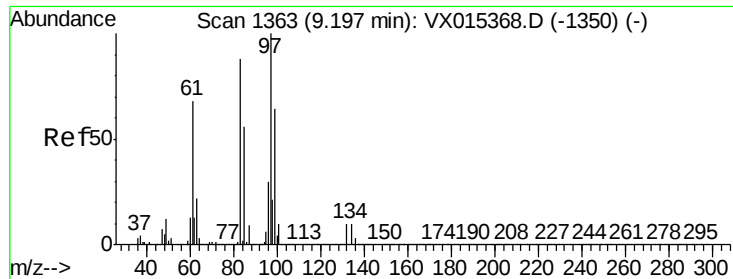
MMDadoda
4/3/2020 12:36:26 PM



#54
cis-1,3-Dichloropropene
Concen: 49.289 ug/l
RT: 8.42 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VX015472.D
Acq: 02 Apr 2020 11:04

Tgt Ion: 75 Resp: 1099044
Ion Ratio Lower Upper
75 100
77 31.0 25.8 38.6
39 59.5 49.0 73.4





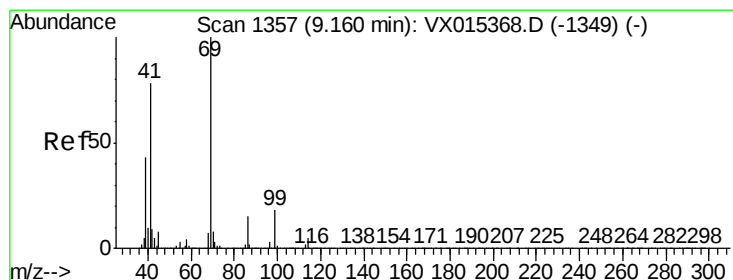
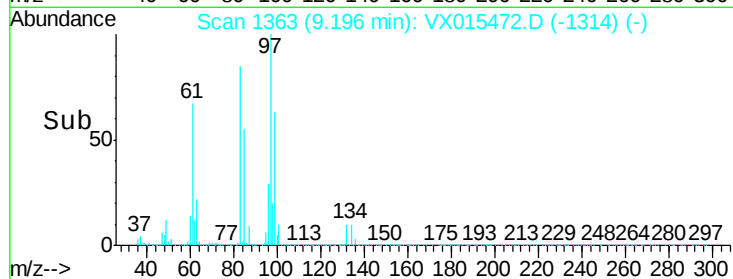
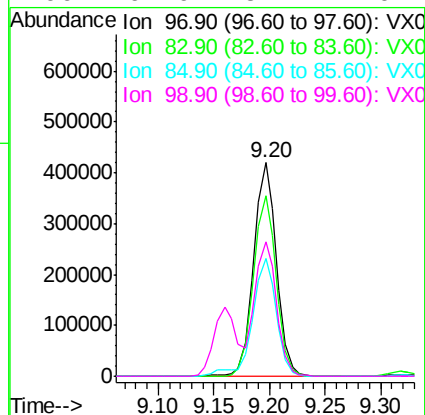
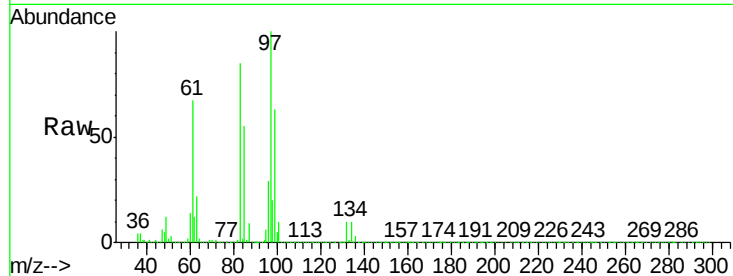
#55
 1,1,2-Trichloroethane
 Concen: 48.577 ug/l
 RT: 9.20 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VX015472.D
 Acq: 02 Apr 2020 11:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	598930
Ion	Ratio	Lower	Upper
97	100		
83	84.7	70.2	105.4
85	55.3	44.7	67.1
99	62.9	51.1	76.7

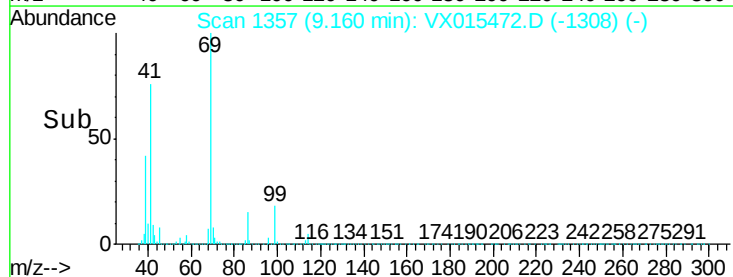
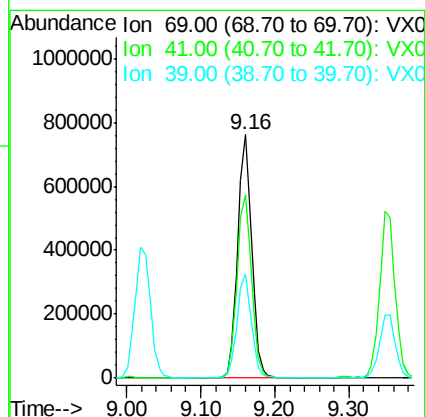
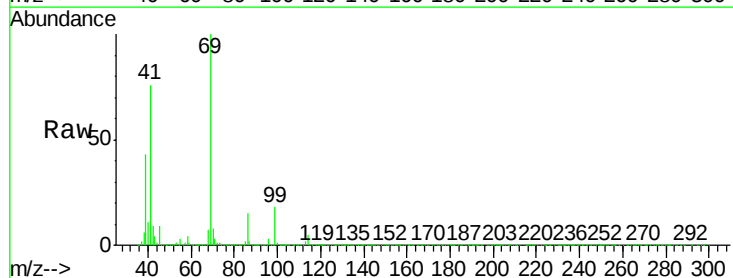
Manual Integrations
 APPROVED

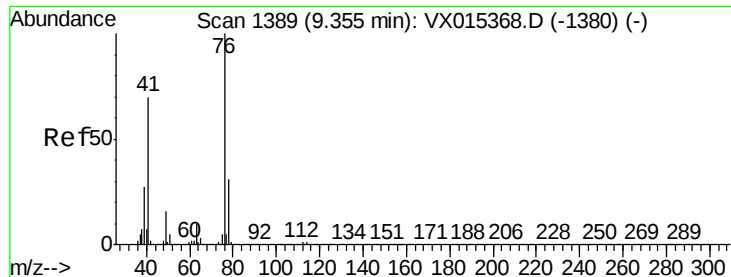
MMDadoda
 4/3/2020 12:36:26 PM



#56
 Ethyl methacrylate
 Concen: 46.890 ug/l
 RT: 9.16 min Scan# 1357
 Delta R.T. -0.00 min
 Lab File: VX015472.D
 Acq: 02 Apr 2020 11:04

Tgt Ion:	69	Resp:	1018878
Ion	Ratio	Lower	Upper
69	100		
41	77.9	61.6	92.4
39	43.3	34.0	51.0





#57

1,3-Dichloropropane

Concen: 47.358 ug/l

RT: 9.35 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VX015472.D

Acq: 02 Apr 2020 11:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 1052018

Ion Ratio Lower Upper

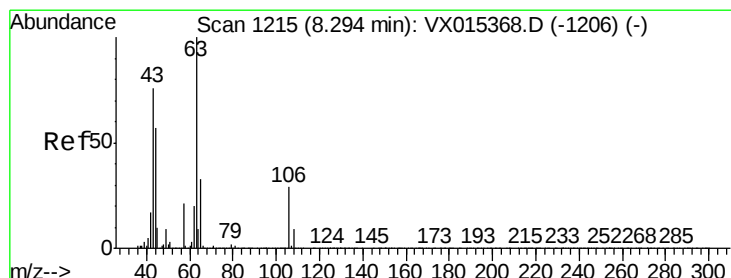
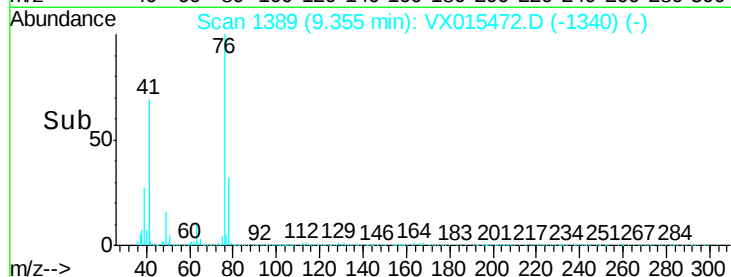
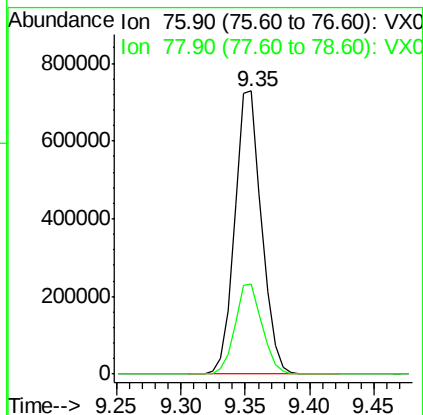
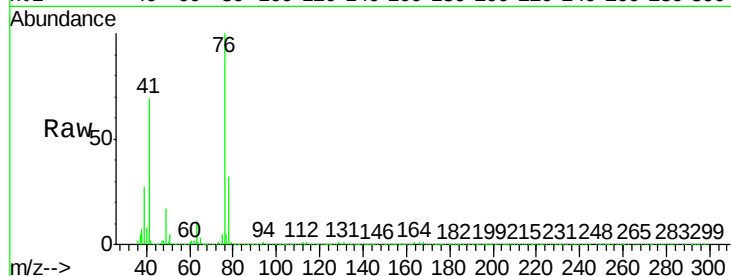
76 100

78 32.1 25.8 38.8

Manual Integrations
APPROVED

MMDadoda

4/3/2020 12:36:26 PM



#58

2-Chloroethyl Vinyl ether

Concen: 241.263 ug/l

RT: 8.29 min Scan# 1214

Delta R.T. -0.01 min

Lab File: VX015472.D

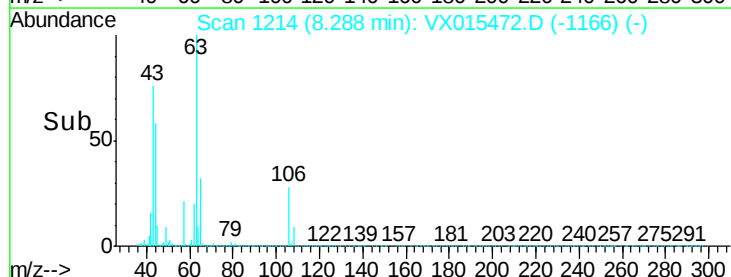
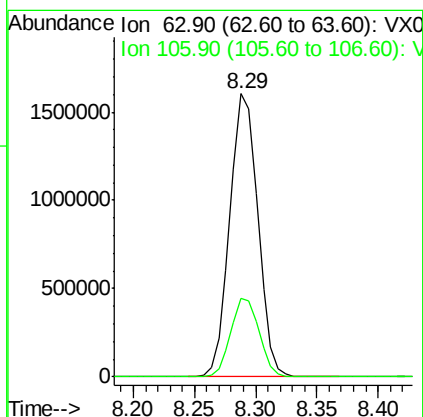
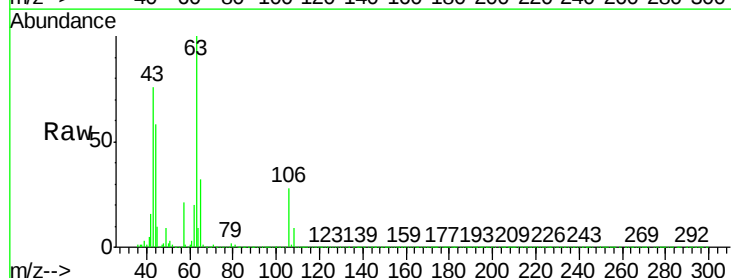
Acq: 02 Apr 2020 11:04

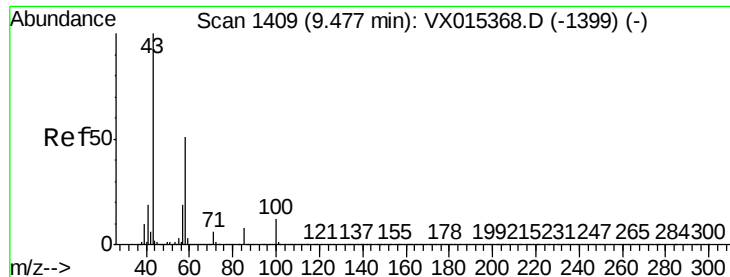
Tgt Ion: 63 Resp: 2549960

Ion Ratio Lower Upper

63 100

106 28.2 22.7 34.1





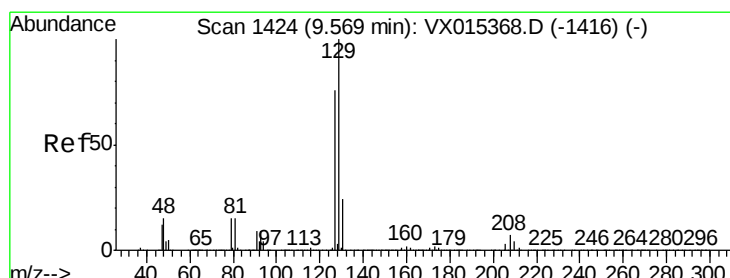
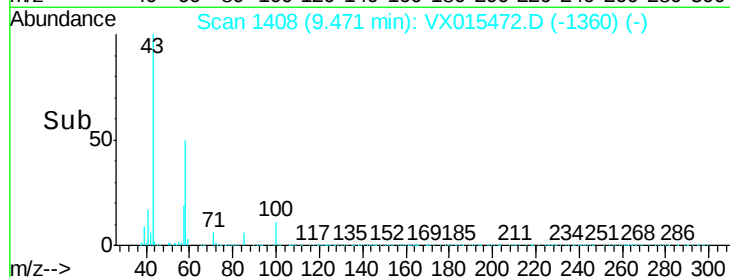
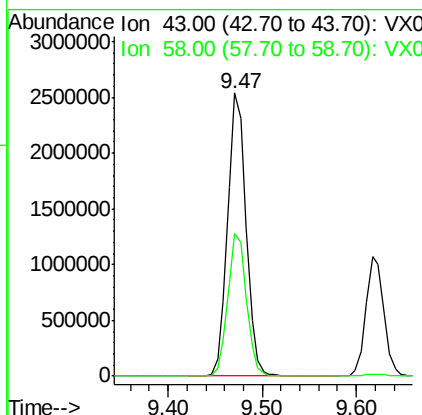
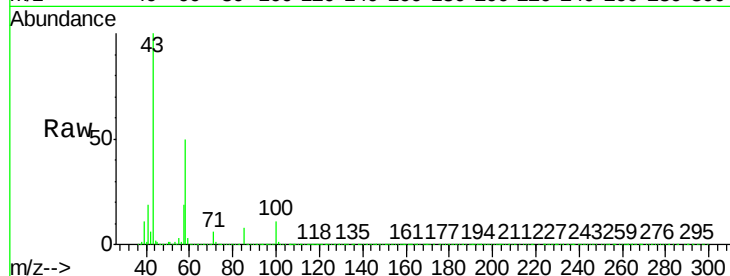
#59
2-Hexanone
Concen: 220.577 ug/l
RT: 9.47 min Scan# 1408
Delta R.T. -0.01 min
Lab File: VX015472.D
Acq: 02 Apr 2020 11:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 3456696
Ion Ratio Lower Upper
43 100
58 51.0 25.6 76.6

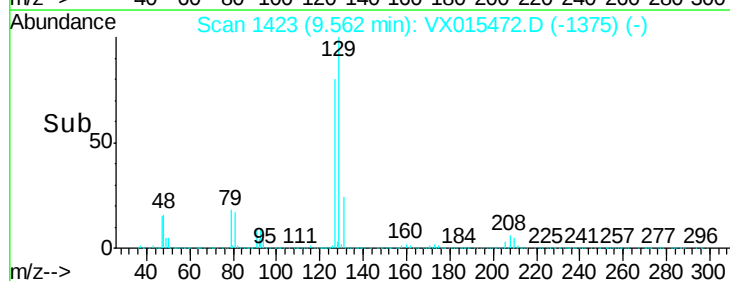
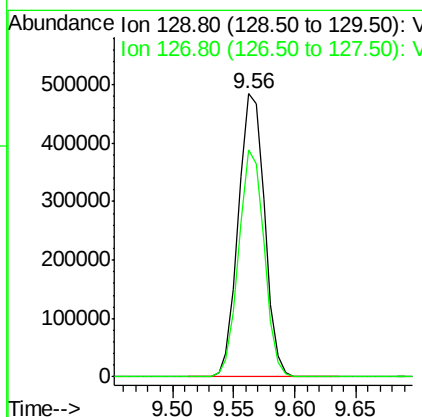
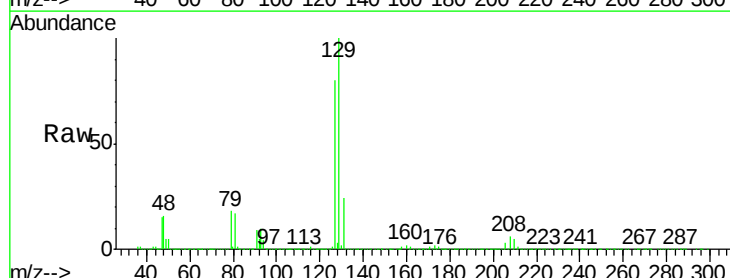
Manual Integrations
APPROVED

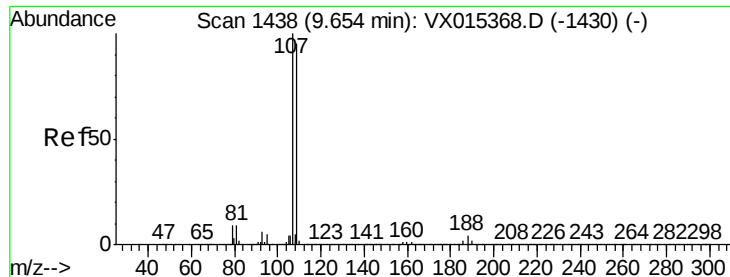
MMDadoda
4/3/2020 12:36:26 PM



#60
Dibromochloromethane
Concen: 48.607 ug/l
RT: 9.56 min Scan# 1423
Delta R.T. -0.01 min
Lab File: VX015472.D
Acq: 02 Apr 2020 11:04

Tgt Ion: 129 Resp: 720136
Ion Ratio Lower Upper
129 100
127 77.5 38.2 114.6





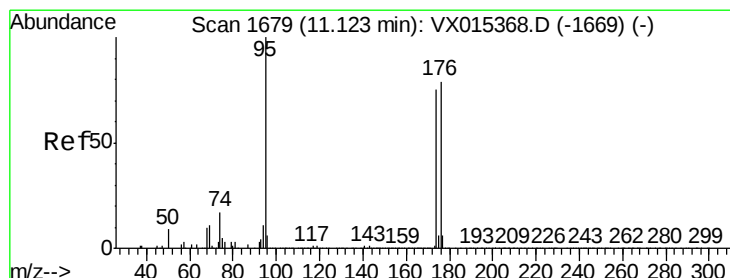
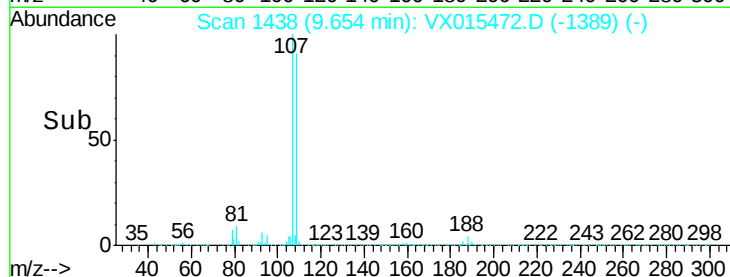
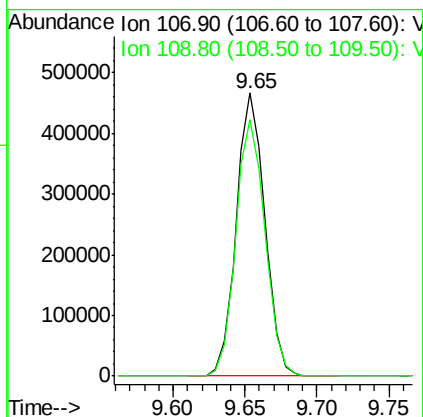
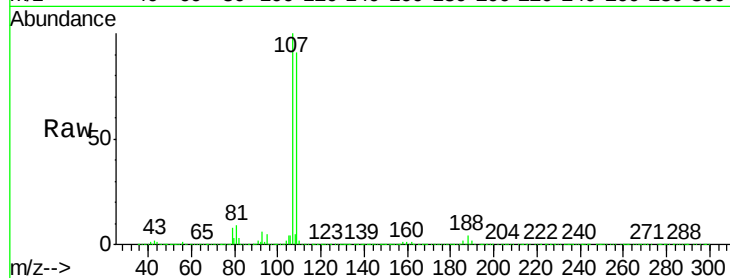
#61
 1,2-Dibromoethane
 Concen: 48.097 ug/l
 RT: 9.65 min Scan# 1438
 Delta R.T. -0.00 min
 Lab File: VX015472.D
 Acq: 02 Apr 2020 11:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.5	74.8	112.2

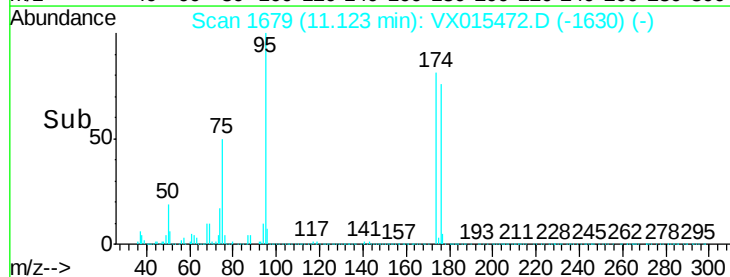
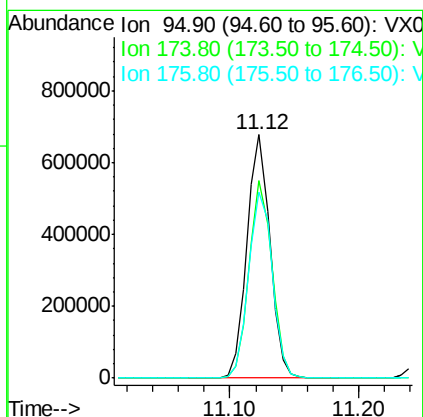
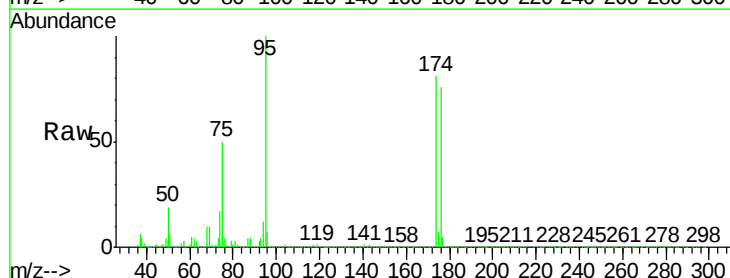
Manual Integrations
 APPROVED

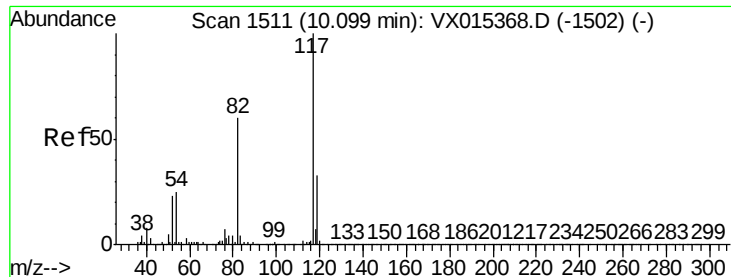
MMDadoda
 4/3/2020 12:36:26 PM



#62
 4-Bromofluorobenzene
 Concen: 47.925 ug/l
 RT: 11.12 min Scan# 1679
 Delta R.T. -0.00 min
 Lab File: VX015472.D
 Acq: 02 Apr 2020 11:04

Tgt Ion	Ratio	Lower	Upper
95	100		
174	81.3	0.0	158.6
176	78.9	0.0	159.0





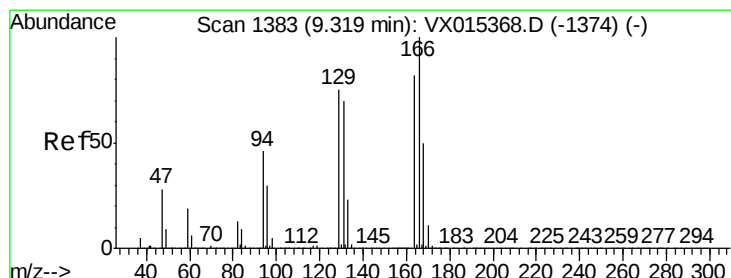
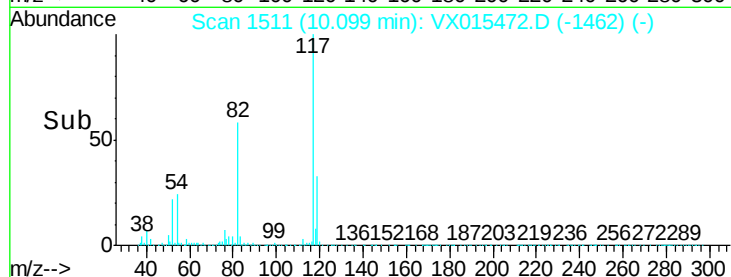
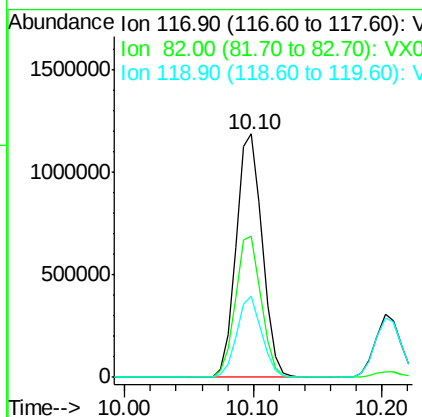
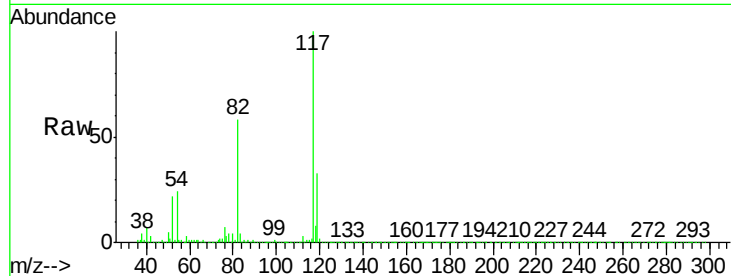
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. -0.00 min
Lab File: VX015472.D
Acq: 02 Apr 2020 11:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.2	47.8	71.8
119	33.3	26.8	40.2

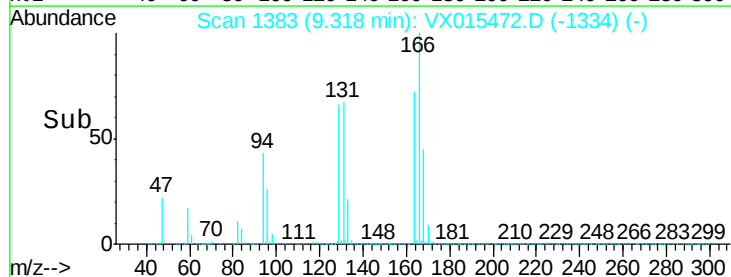
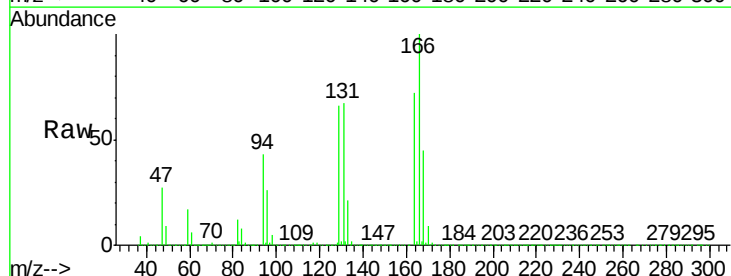
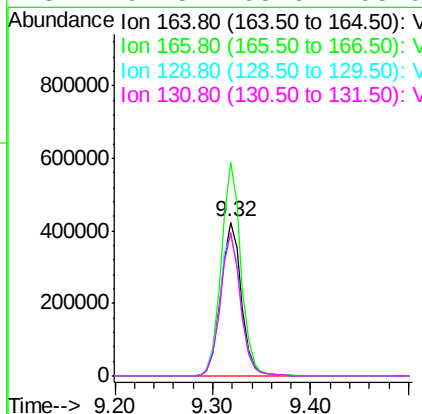
Manual Integrations
APPROVED

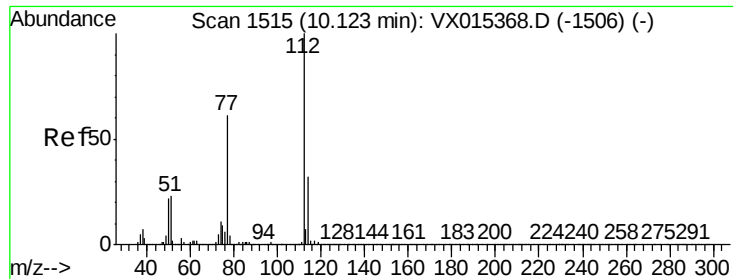
MMDadoda
4/3/2020 12:36:26 PM



#64
Tetrachloroethene
Concen: 49.198 ug/l
RT: 9.32 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX015472.D
Acq: 02 Apr 2020 11:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	138.8	97.8	146.6
129	91.5	73.0	109.4
131	92.8	68.6	103.0





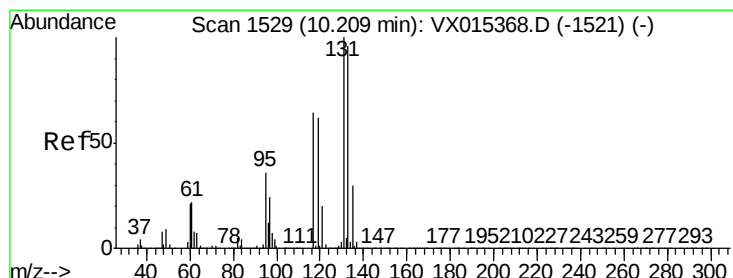
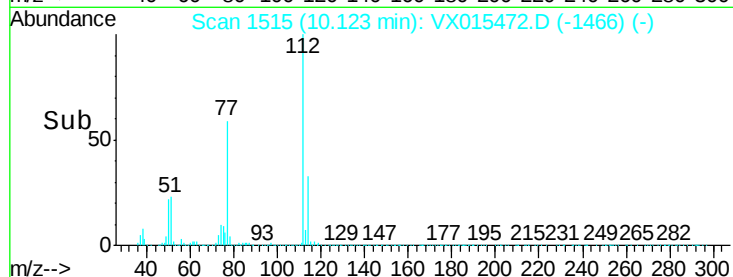
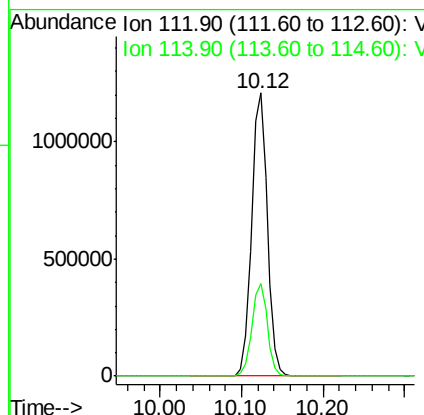
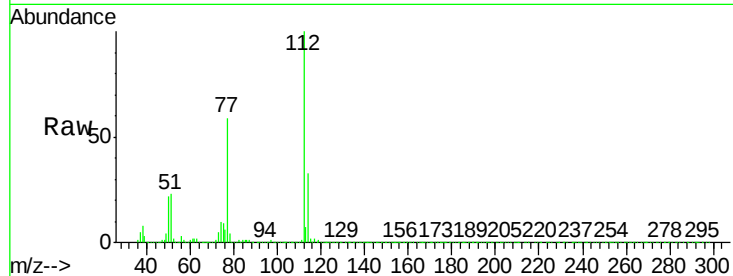
#65
Chlorobenzene
Concen: 49.104 ug/l
RT: 10.12 min Scan# 1515
Delta R.T. -0.00 min
Lab File: VX015472.D
Acq: 02 Apr 2020 11:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1625855
Ion Ratio Lower Upper
112 100
114 32.7 25.5 38.3

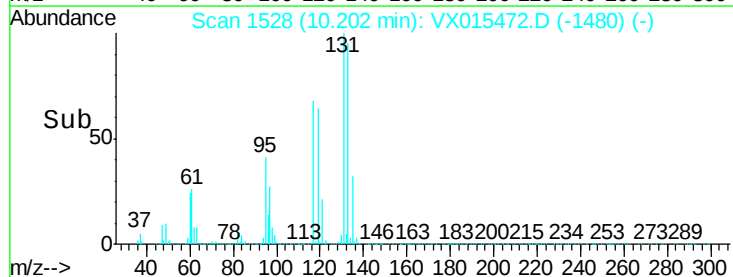
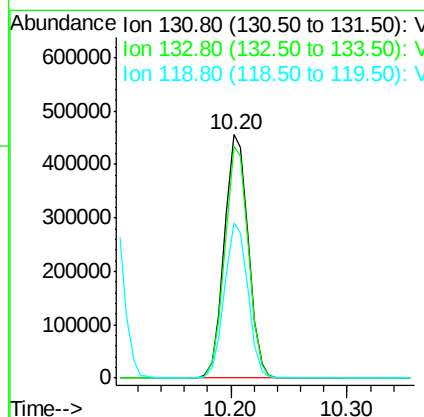
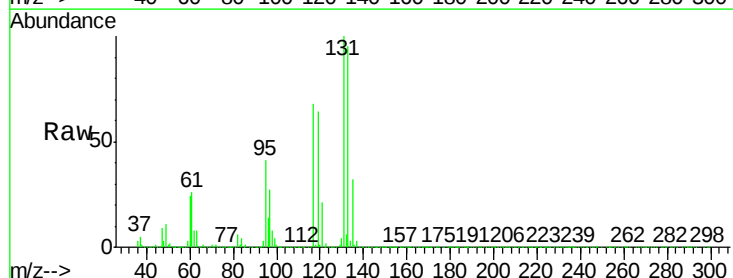
Manual Integrations
APPROVED

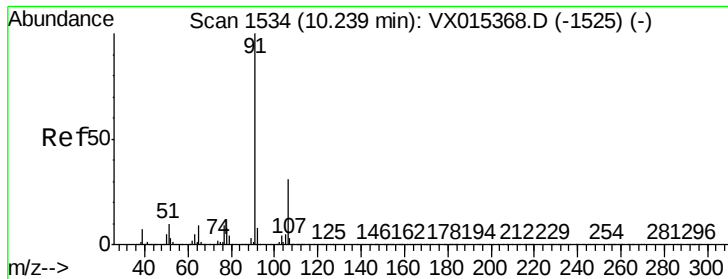
MMDadoda
4/3/2020 12:36:26 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 48.559 ug/l
RT: 10.20 min Scan# 1528
Delta R.T. -0.01 min
Lab File: VX015472.D
Acq: 02 Apr 2020 11:04

Tgt Ion:131 Resp: 642326
Ion Ratio Lower Upper
131 100
133 94.1 47.6 142.9
119 62.6 31.1 93.3





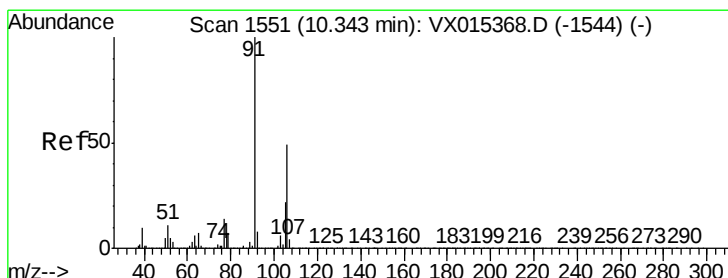
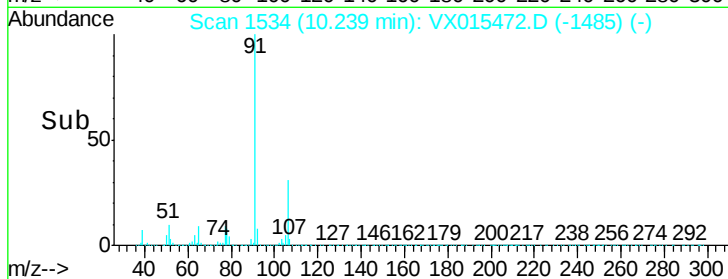
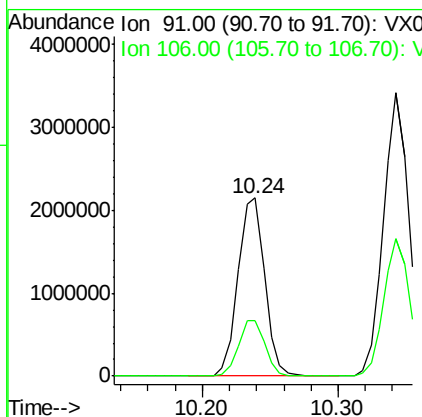
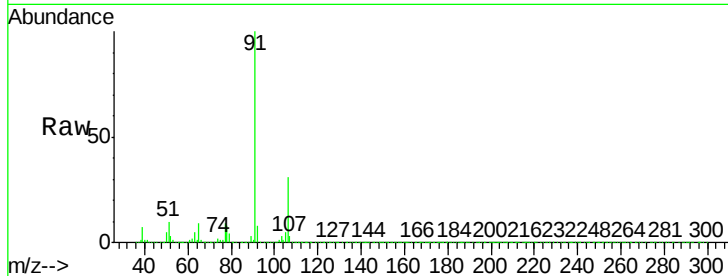
#67
Ethyl Benzene
Concen: 50.036 ug/l
RT: 10.24 min Scan# 1534
Delta R.T. -0.00 min
Lab File: VX015472.D
Acq: 02 Apr 2020 11:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 2938355
Ion Ratio Lower Upper
91 100
106 31.0 24.8 37.2

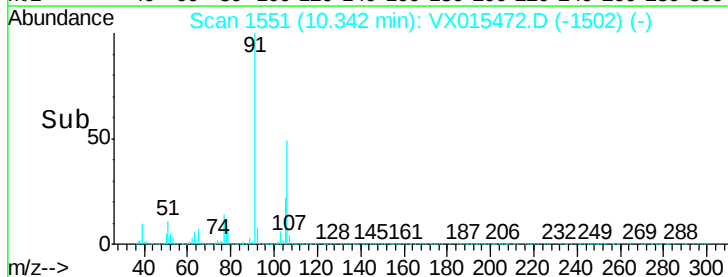
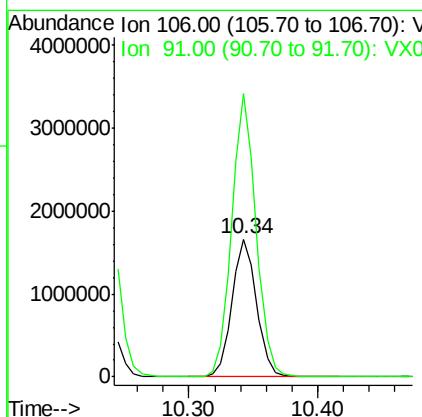
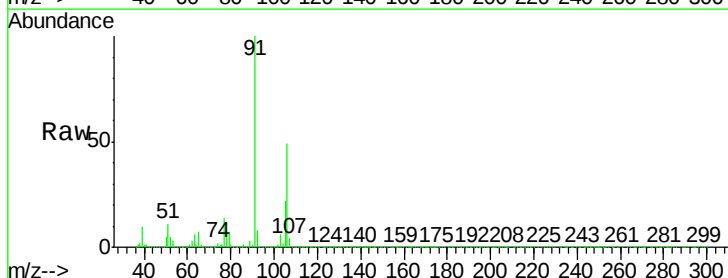
Manual Integrations
APPROVED

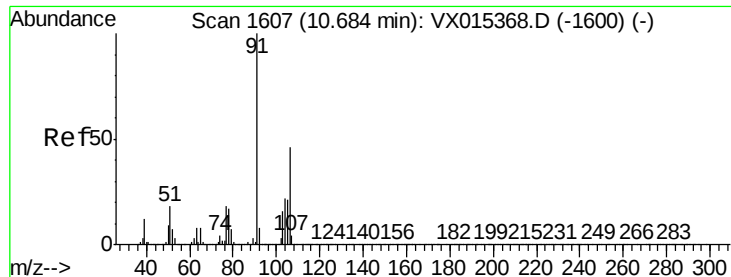
MMDadoda
4/3/2020 12:36:26 PM



#68
m/p-Xylenes
Concen: 100.923 ug/l
RT: 10.34 min Scan# 1551
Delta R.T. -0.00 min
Lab File: VX015472.D
Acq: 02 Apr 2020 11:04

Tgt Ion: 106 Resp: 2206889
Ion Ratio Lower Upper
106 100
91 203.5 163.4 245.0





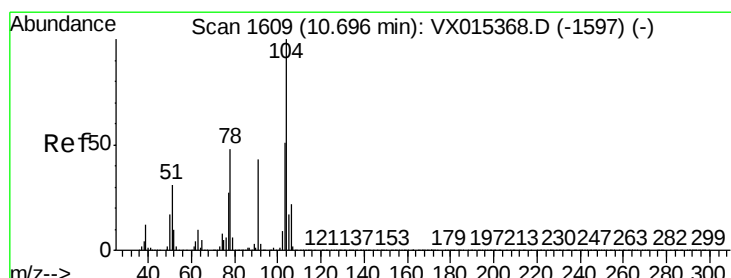
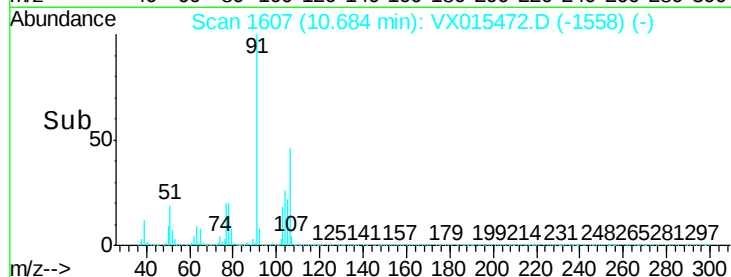
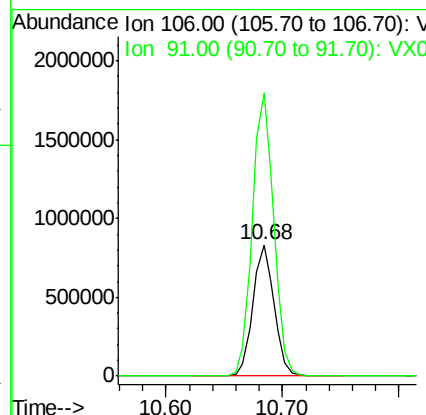
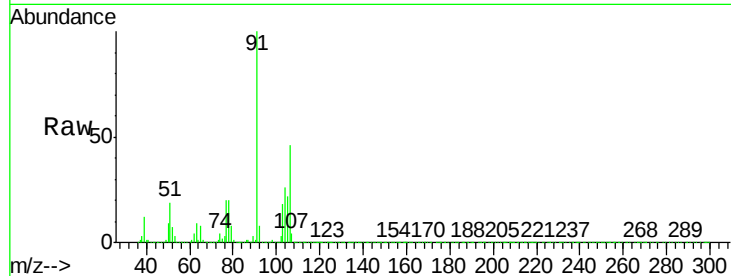
#69
o-Xylene
Concen: 48.917 ug/l
RT: 10.68 min Scan# 1607
Delta R.T. -0.00 min
Lab File: VX015472.D
Acq: 02 Apr 2020 11:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 1057003
Ion Ratio Lower Upper
106 100
91 219.0 107.1 321.3

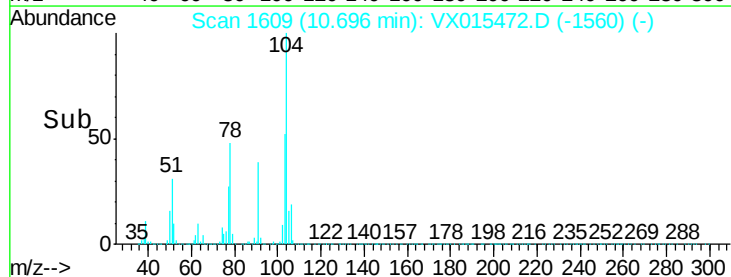
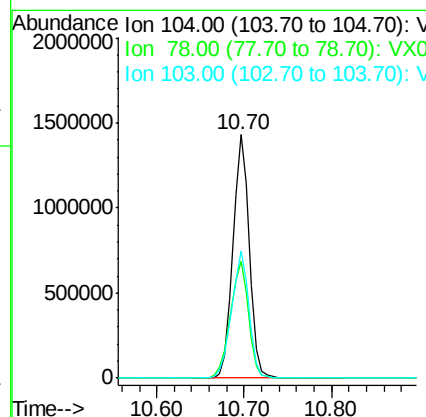
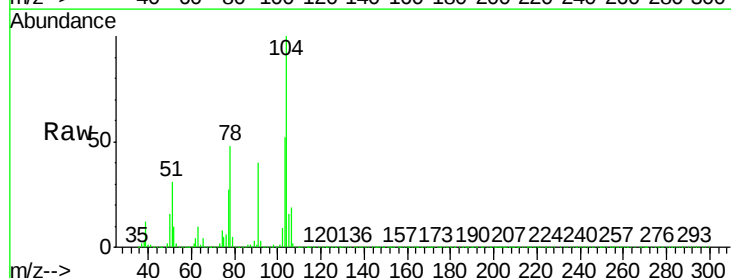
Manual Integrations
APPROVED

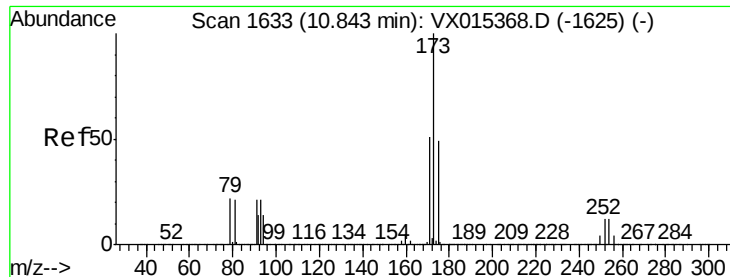
MMDadoda
4/3/2020 12:36:26 PM



#70
Styrene
Concen: 48.835 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX015472.D
Acq: 02 Apr 2020 11:04

Tgt Ion:104 Resp: 1856890
Ion Ratio Lower Upper
104 100
78 53.1 42.0 63.0
103 55.5 43.4 65.0





#71

Bromoform

Concen: 45.695 ug/l

RT: 10.84 min Scan# 1633

Delta R.T. -0.00 min

Lab File: VX015472.D

Acq: 02 Apr 2020 11:04

Instrument :

MSVOA_X

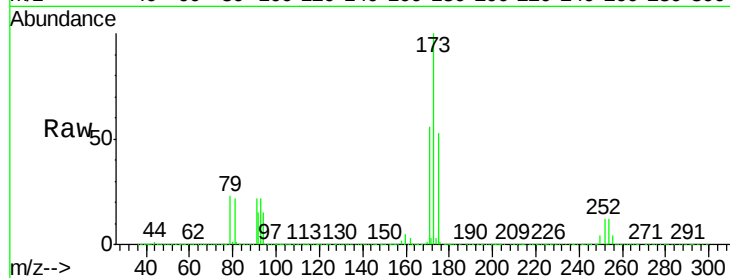
ClientSampled :

VSTDCCC050

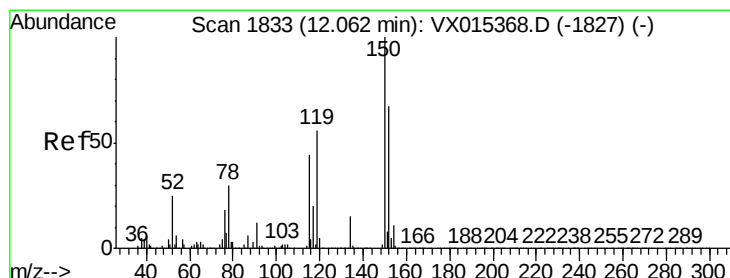
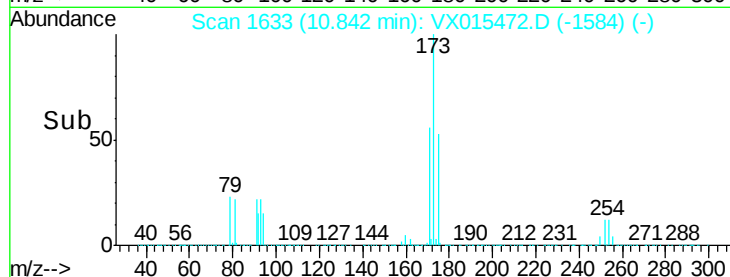
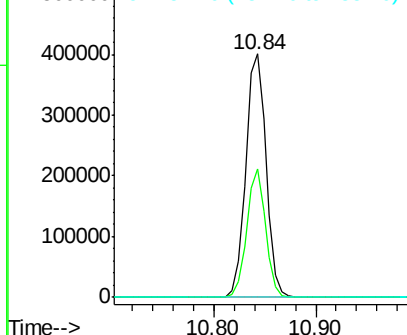
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	23.9	71.7
254	0.1	0.1	0.1

Manual Integrations
APPROVED

MMDadoda
4/3/2020 12:36:26 PM



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

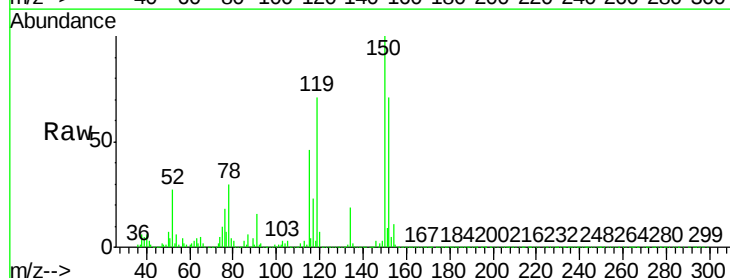
RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

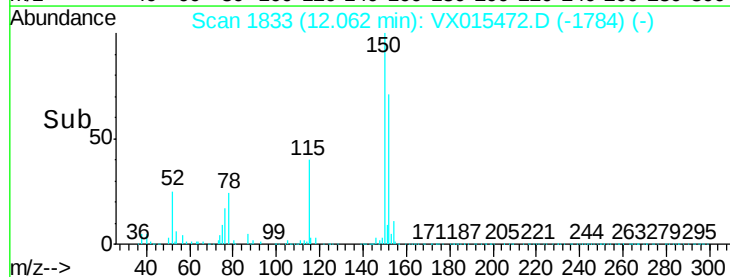
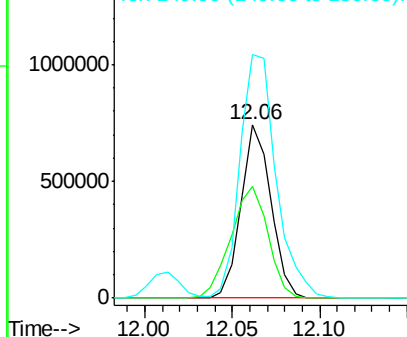
Lab File: VX015472.D

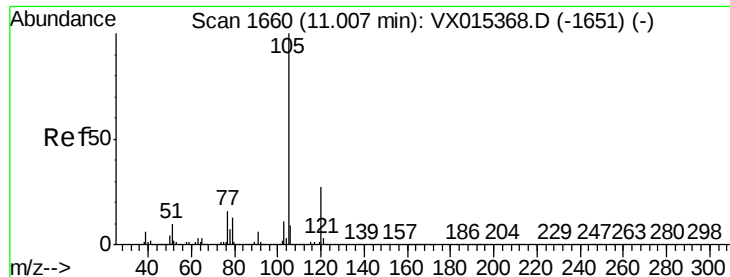
Acq: 02 Apr 2020 11:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	80.0	39.0	116.9
150	169.9	0.0	340.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.208 ug/l

RT: 11.00 min Scan# 1659

Delta R.T. -0.01 min

Lab File: VX015472.D

Acq: 02 Apr 2020 11:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 2850441

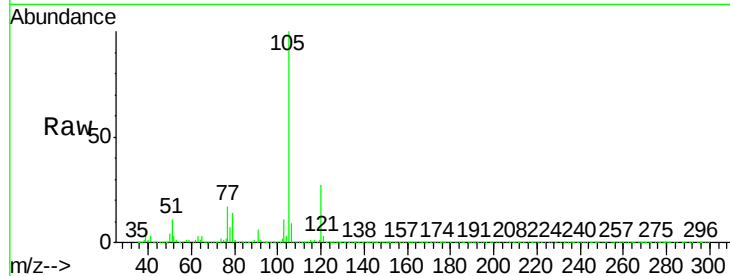
Ion Ratio Lower Upper

105 100

120 27.0 13.2 39.5

Manual Integrations
APPROVED

MMDadoda
4/3/2020 12:36:26 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

2500000

2000000

1500000

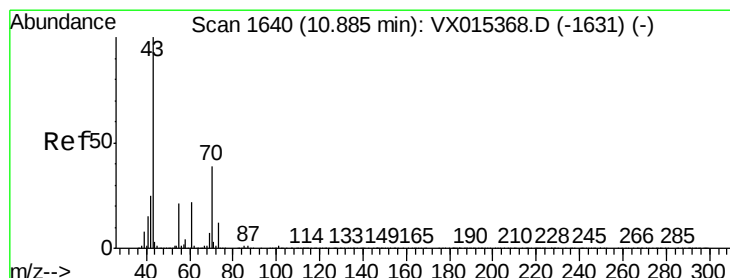
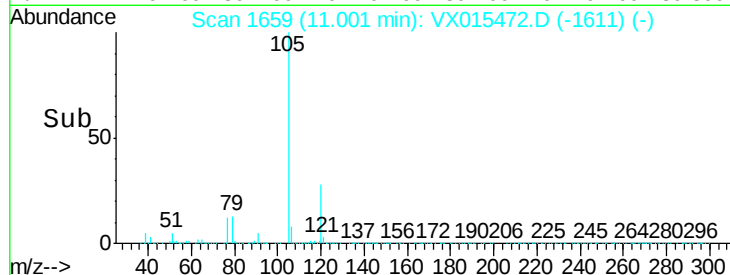
1000000

500000

0

Time-->

10.95 11.00 11.05 11.10



#74

N-ethyl acetate

Concen: 45.389 ug/l

RT: 10.88 min Scan# 1639

Delta R.T. -0.01 min

Lab File: VX015472.D

Acq: 02 Apr 2020 11:04

Tgt Ion: 43 Resp: 1462346

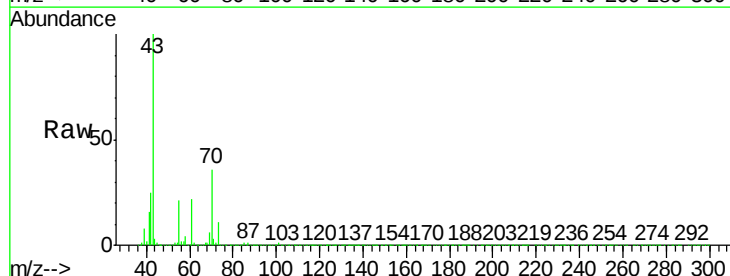
Ion Ratio Lower Upper

43 100

70 37.9 30.2 45.4

55 21.6 16.8 25.2

61 22.2 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

1500000

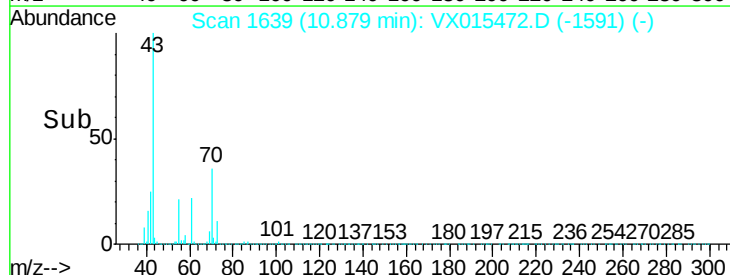
1000000

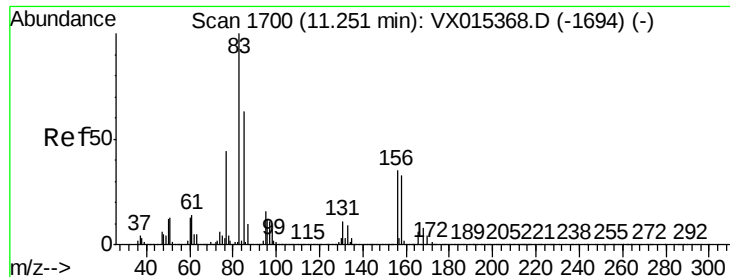
500000

0

Time-->

10.80 10.90 11.00





#75

1,1,2,2-Tetrachloroethane

Concen: 44.749 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX015472.D

Acq: 02 Apr 2020 11:04

Instrument :

MSVOA_X

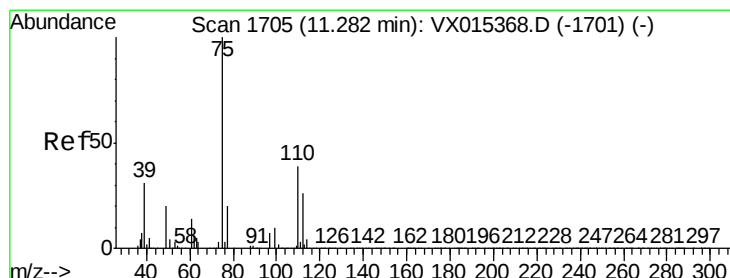
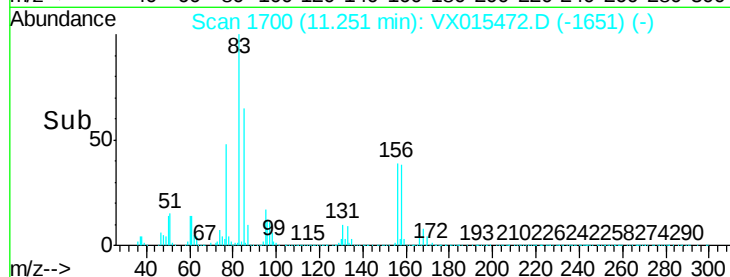
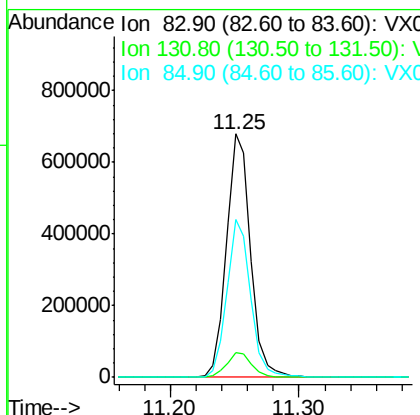
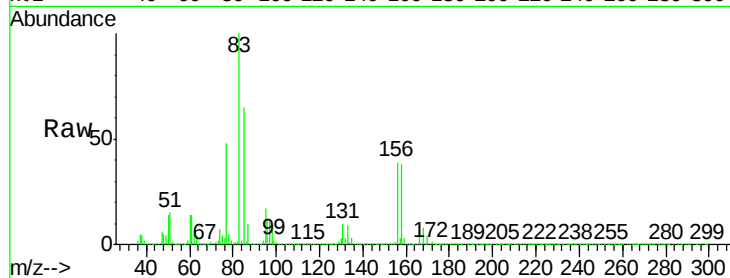
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	889463
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.3	16.1
85	64.5	32.0	96.0

Manual Integrations
APPROVED

MMDadoda
4/3/2020 12:36:26 PM



#76

1,2,3-Trichloropropane

Concen: 46.466 ug/l m

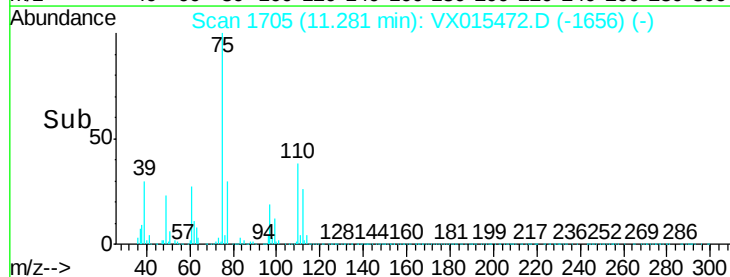
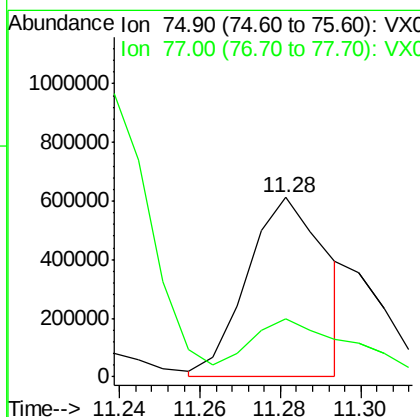
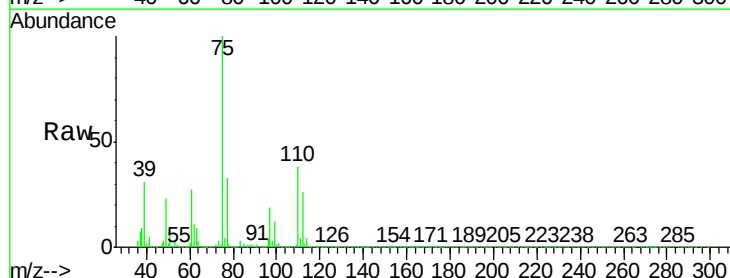
RT: 11.28 min Scan# 1705

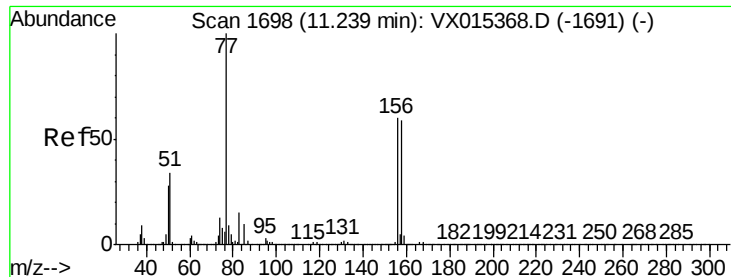
Delta R.T. -0.00 min

Lab File: VX015472.D

Acq: 02 Apr 2020 11:04

Tgt Ion:	75	Resp:	844765
Ion Ratio	Lower	Upper	
75	100		
77	41.6	21.2	63.6





#77

Bromobenzene

Concen: 47.987 ug/l

RT: 11.24 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX015472.D

Acq: 02 Apr 2020 11:04

Instrument :

MSVOA_X

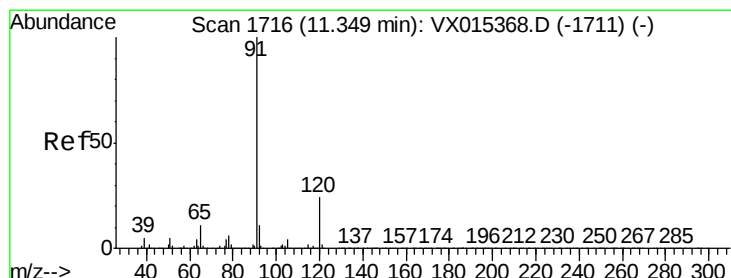
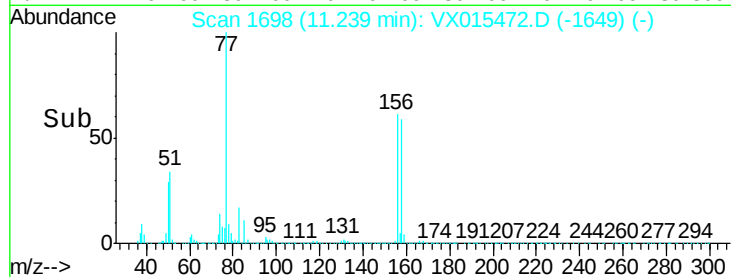
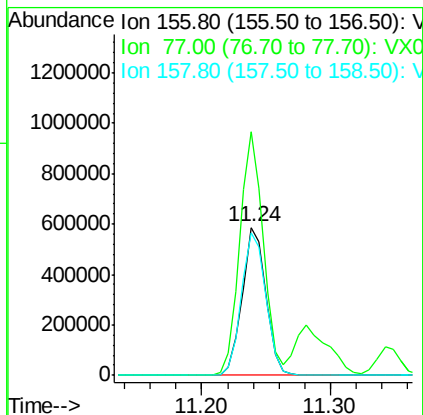
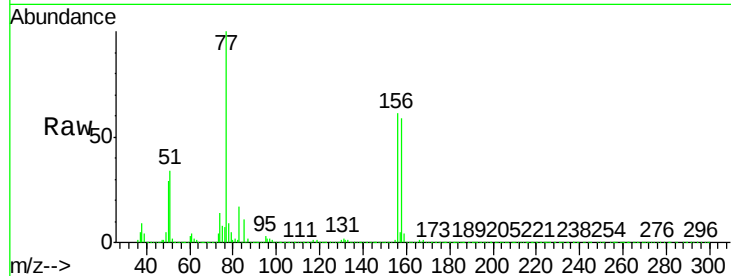
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	741456
Ion Ratio	Lower	Upper	
156	100		
77	164.4	82.2	246.5
158	99.3	49.3	147.9

Manual Integrations
APPROVED

MMDadoda
4/3/2020 12:36:26 PM



#78

n-propylbenzene

Concen: 51.019 ug/l

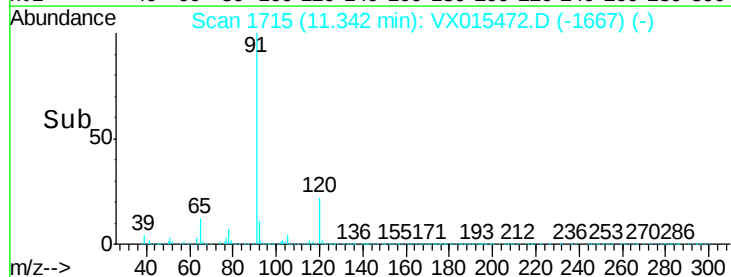
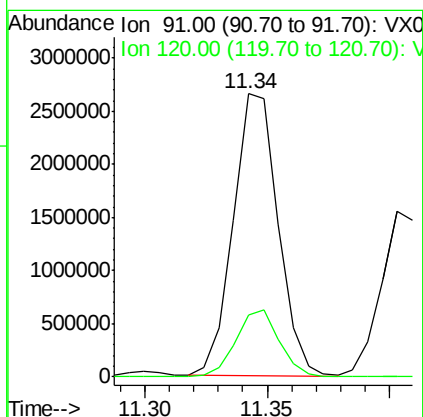
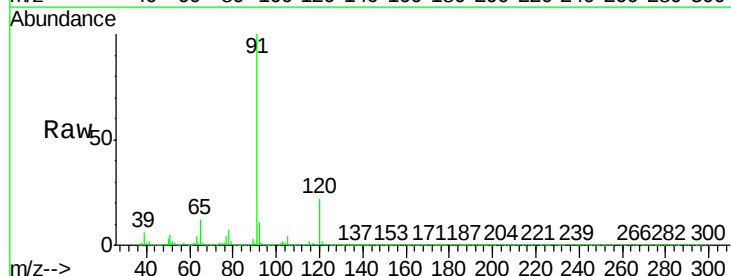
RT: 11.34 min Scan# 1715

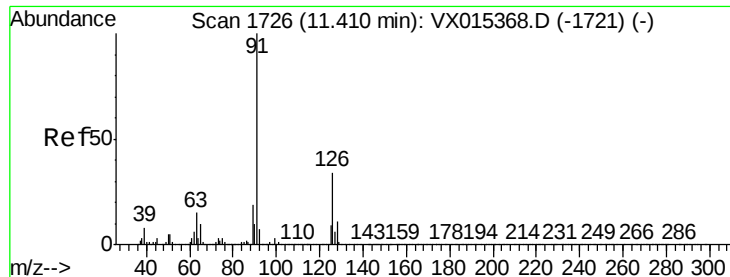
Delta R.T. -0.01 min

Lab File: VX015472.D

Acq: 02 Apr 2020 11:04

Tgt Ion:	91	Resp:	3379339
Ion Ratio	Lower	Upper	
91	100		
120	22.9	11.7	35.0





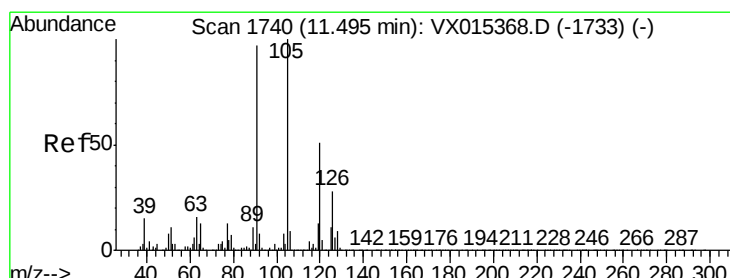
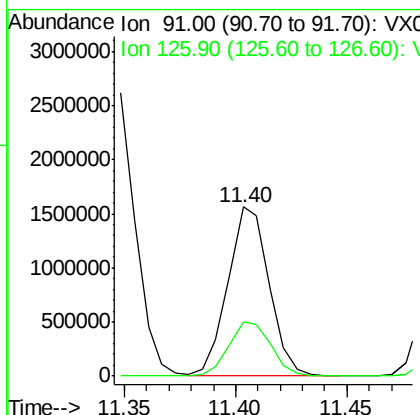
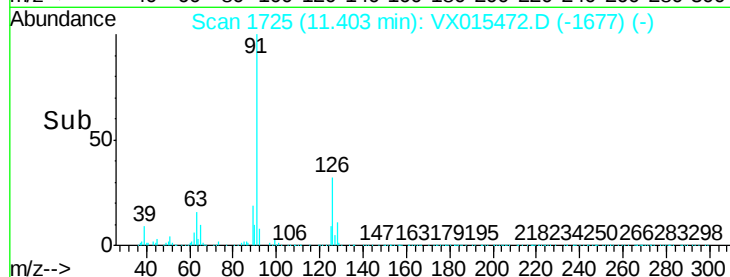
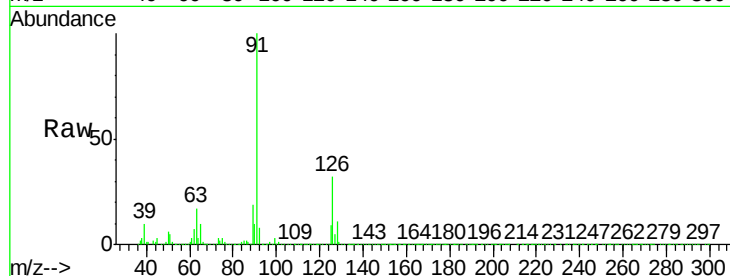
#79
2-Chlorotoluene
Concen: 49.238 ug/l
RT: 11.40 min Scan# 1725
Delta R.T. -0.01 min
Lab File: VX015472.D
Acq: 02 Apr 2020 11:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1999007
Ion Ratio Lower Upper
91 100
126 33.1 16.5 49.5

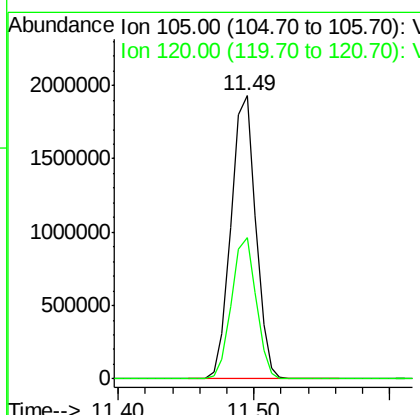
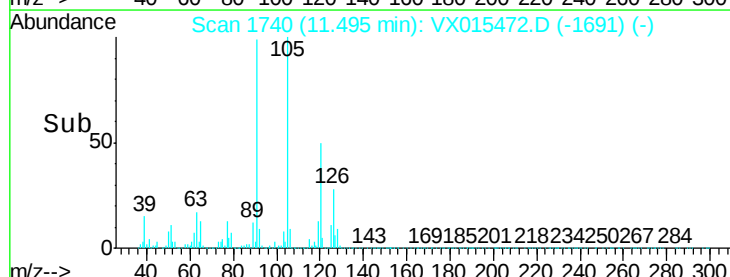
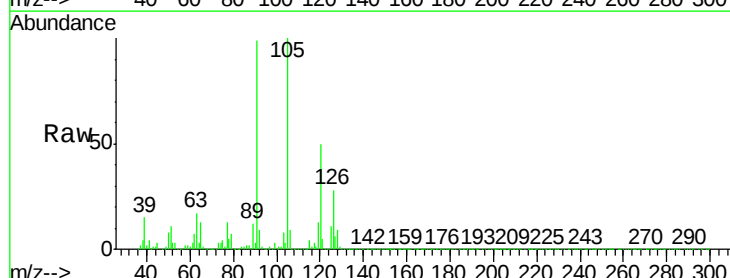
Manual Integrations
APPROVED

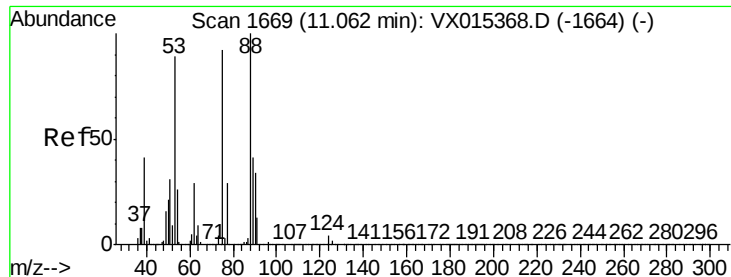
MMDadoda
4/3/2020 12:36:26 PM



#80
1,3,5-Trimethylbenzene
Concen: 49.483 ug/l
RT: 11.49 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VX015472.D
Acq: 02 Apr 2020 11:04

Tgt Ion: 105 Resp: 2447977
Ion Ratio Lower Upper
105 100
120 49.7 24.8 74.4





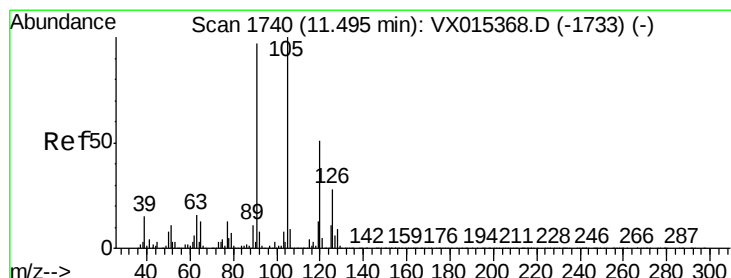
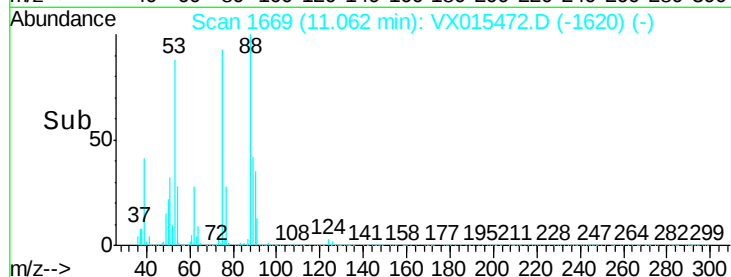
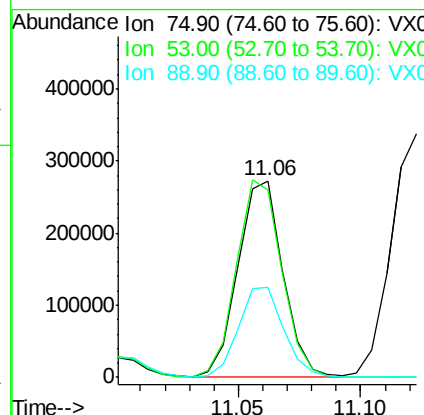
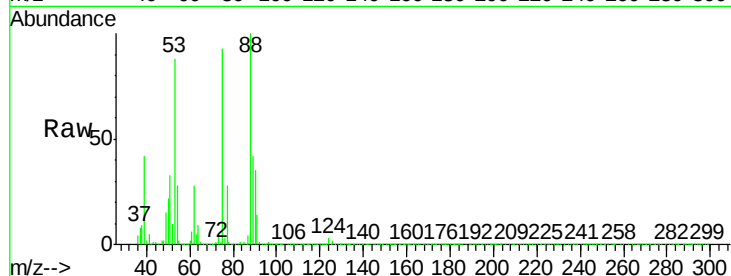
#81
trans-1,4-Dichloro-2-butene
Concen: 45.428 ug/l
RT: 11.06 min Scan# 1669
Delta R.T. -0.00 min
Lab File: VX015472.D
Acq: 02 Apr 2020 11:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.8	80.1	120.1
89	47.1	36.1	54.1

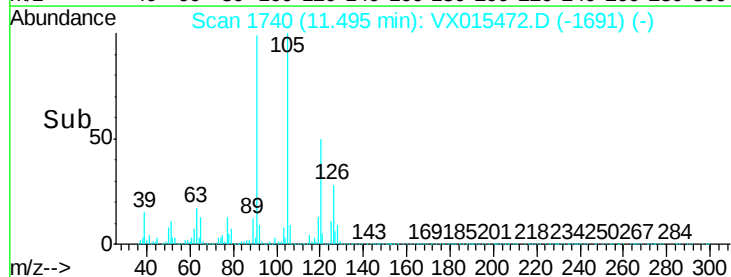
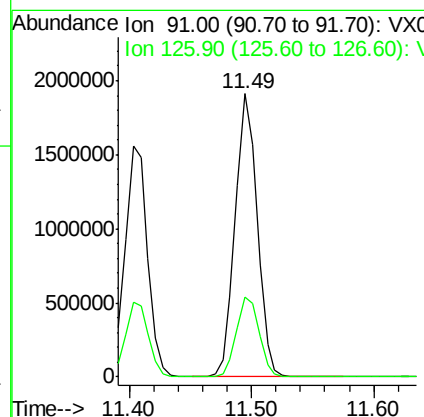
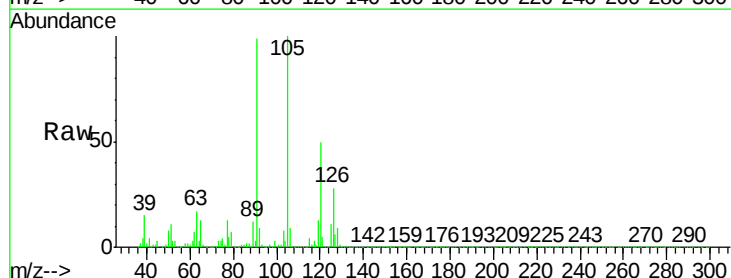
Manual Integrations
APPROVED

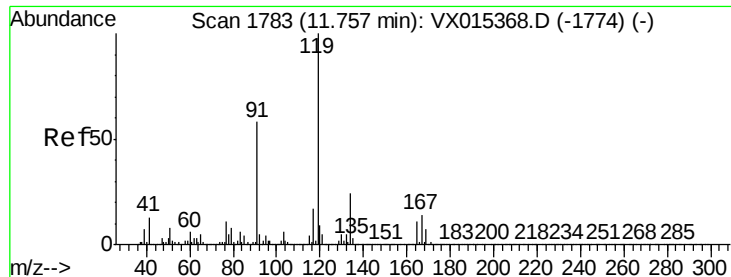
MMDadoda
4/3/2020 12:36:26 PM



#82
4-Chlorotoluene
Concen: 49.896 ug/l
RT: 11.49 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VX015472.D
Acq: 02 Apr 2020 11:04

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.1	14.7	44.1





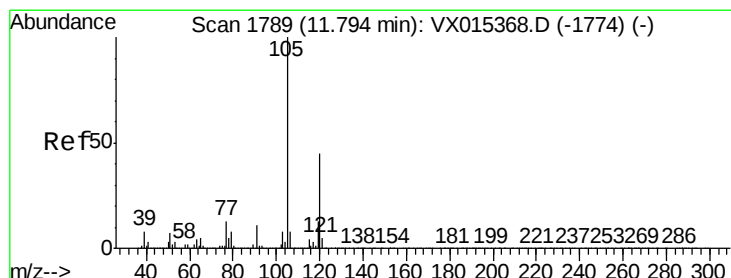
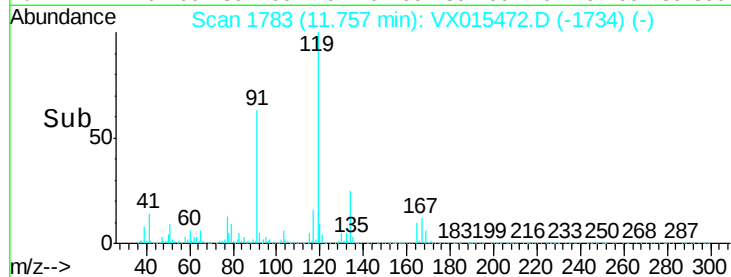
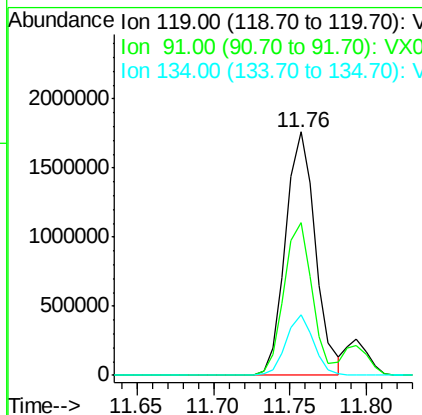
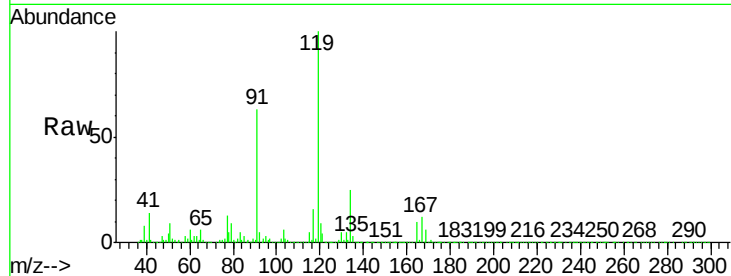
#83
 tert-Butylbenzene
 Concen: 49.634 ug/l
 RT: 11.76 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX015472.D
 Acq: 02 Apr 2020 11:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.5	28.6	85.8
134	23.0	11.8	35.3

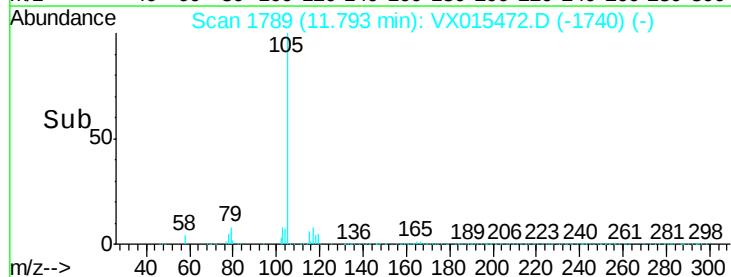
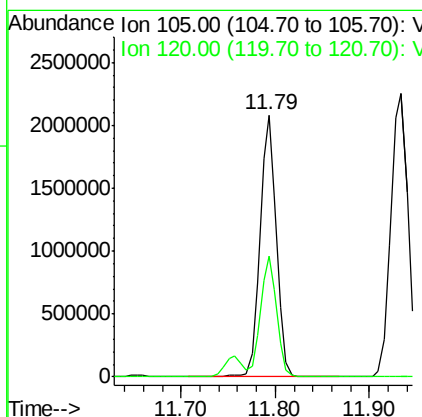
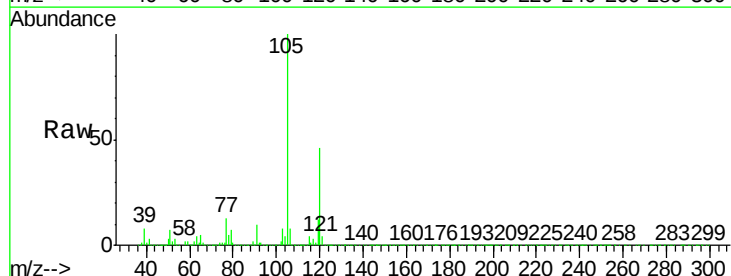
Manual Integrations
 APPROVED

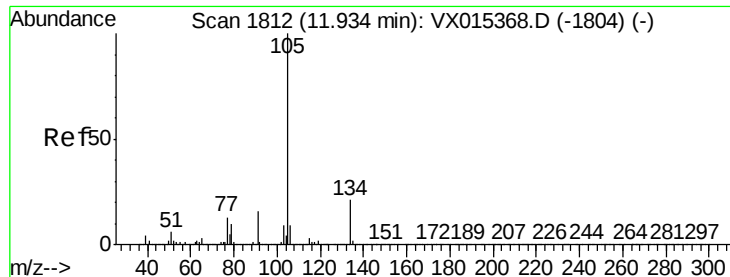
MMDadoda
 4/3/2020 12:36:26 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 50.460 ug/l
 RT: 11.79 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX015472.D
 Acq: 02 Apr 2020 11:04

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	22.7	68.1





#85

sec-Butylbenzene

Concen: 51.329 ug/l

RT: 11.93 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VX015472.D

Acq: 02 Apr 2020 11:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 2868633

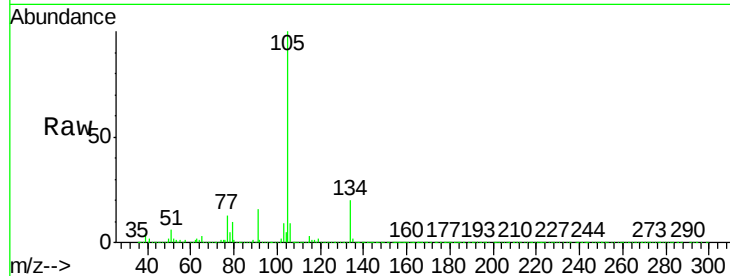
Ion Ratio Lower Upper

105 100

134 20.1 10.4 31.1

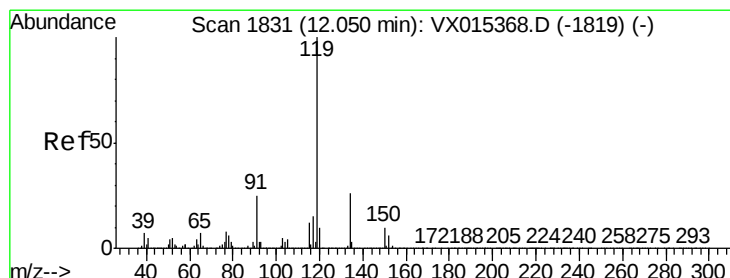
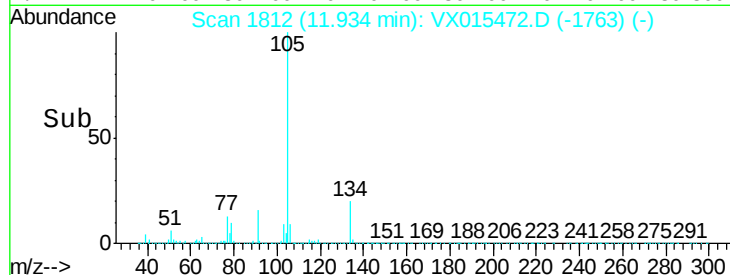
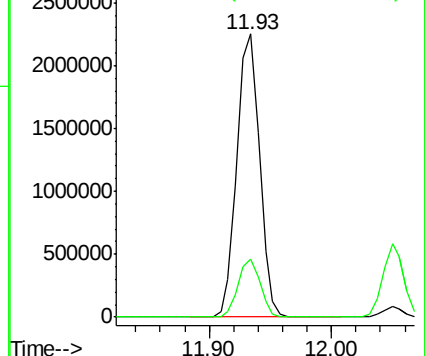
Manual Integrations
APPROVED

MMDadoda
4/3/2020 12:36:26 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.867 ug/l

RT: 12.05 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VX015472.D

Acq: 02 Apr 2020 11:04

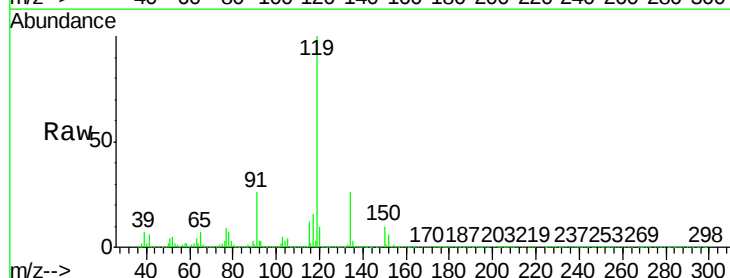
Tgt Ion:119 Resp: 2691013

Ion Ratio Lower Upper

119 100

134 26.0 13.1 39.3

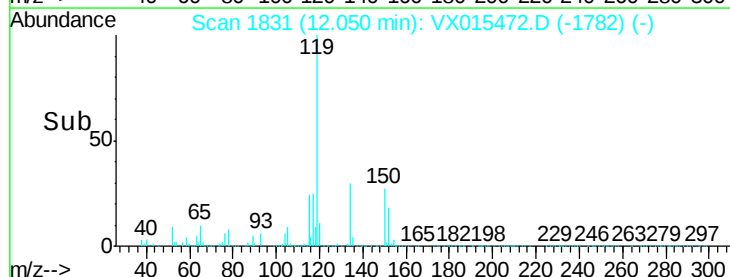
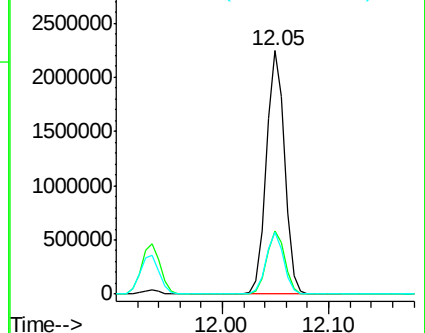
91 24.7 12.4 37.4

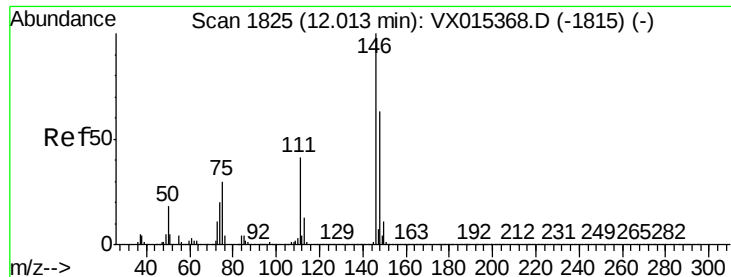


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





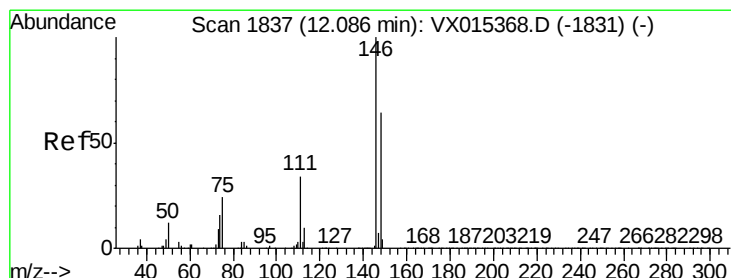
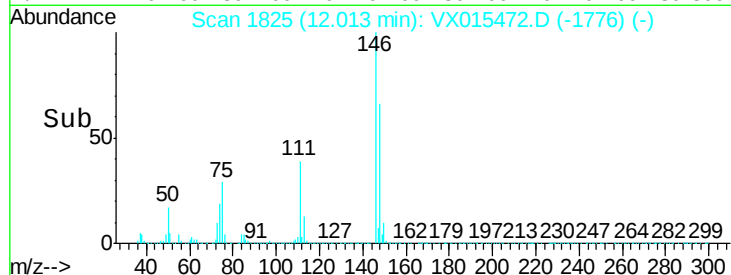
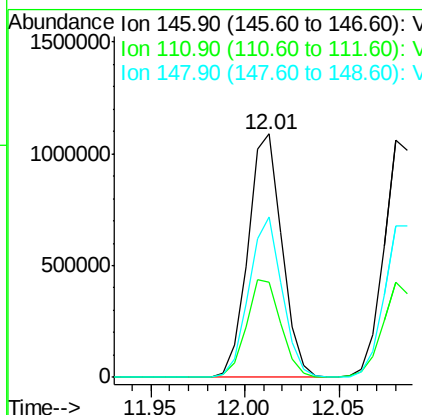
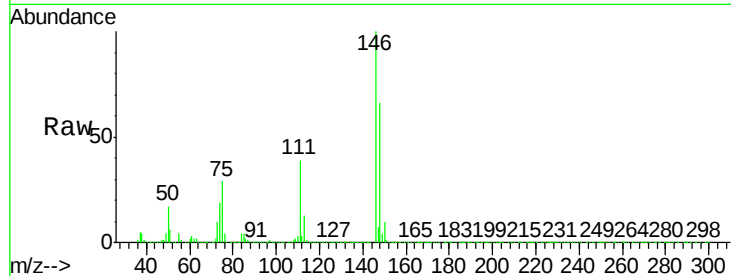
#87
 1,3-Dichlorobenzene
 Concen: 49.012 ug/l
 RT: 12.01 min Scan# 1825
 Delta R.T. -0.00 min
 Lab File: VX015472.D
 Acq: 02 Apr 2020 11:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.3	60.9
148	64.6	31.3	93.9

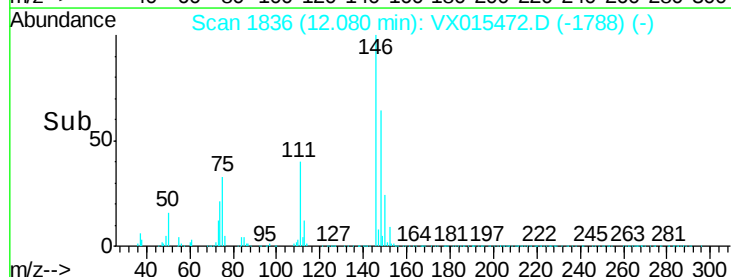
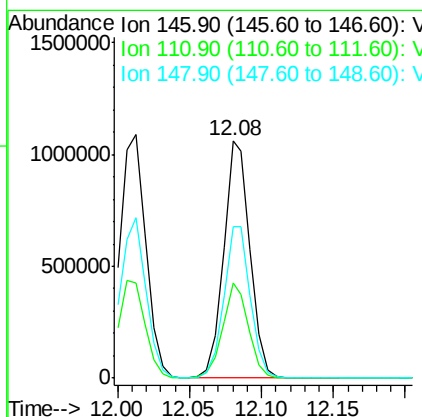
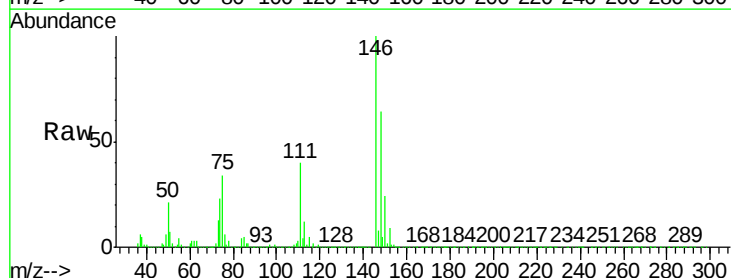
Manual Integrations
 APPROVED

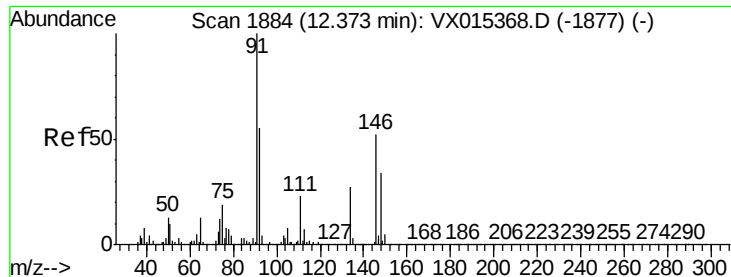
MMDadoda
 4/3/2020 12:36:26 PM



#88
 1,4-Dichlorobenzene
 Concen: 48.194 ug/l
 RT: 12.08 min Scan# 1836
 Delta R.T. -0.01 min
 Lab File: VX015472.D
 Acq: 02 Apr 2020 11:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.1	57.5
148	64.6	32.4	97.2





#89

n-Butylbenzene

Concen: 52.328 ug/l

RT: 12.37 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VX015472.D

Acq: 02 Apr 2020 11:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 2453426

Ion Ratio Lower Upper

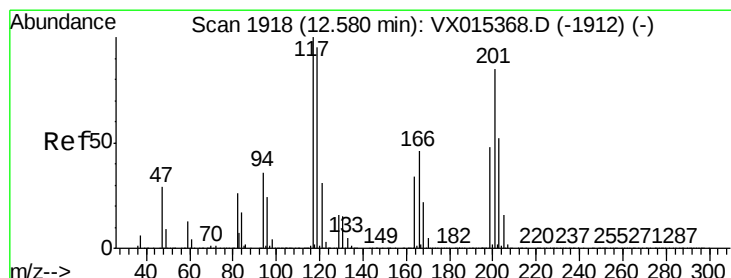
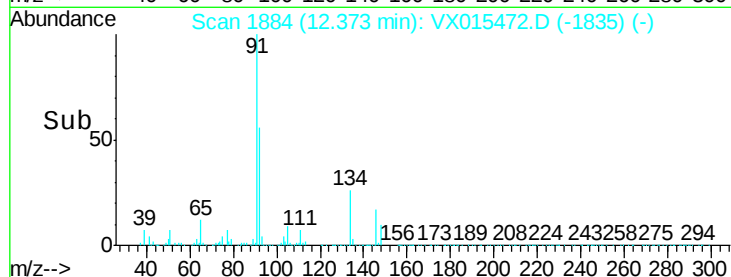
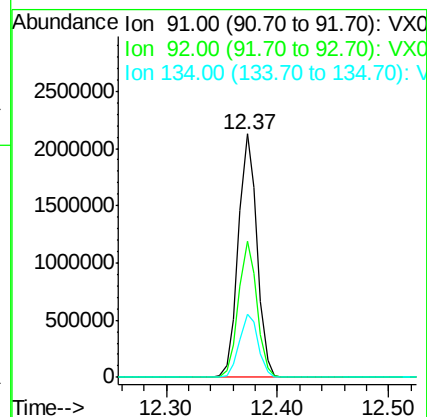
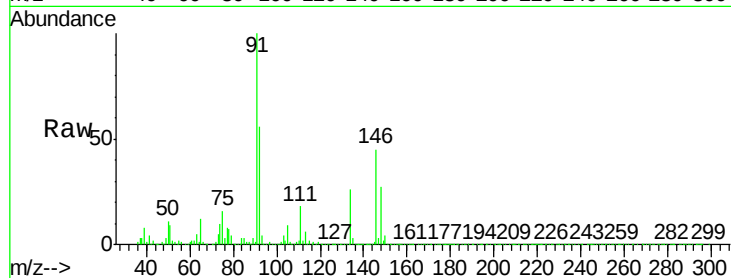
91 100

92 55.3 27.2 81.5

134 26.3 13.4 40.2

Manual Integrations
APPROVED

MMDadoda
4/3/2020 12:36:26 PM



#90

Hexachloroethane

Concen: 49.470 ug/l

RT: 12.58 min Scan# 1918

Delta R.T. -0.00 min

Lab File: VX015472.D

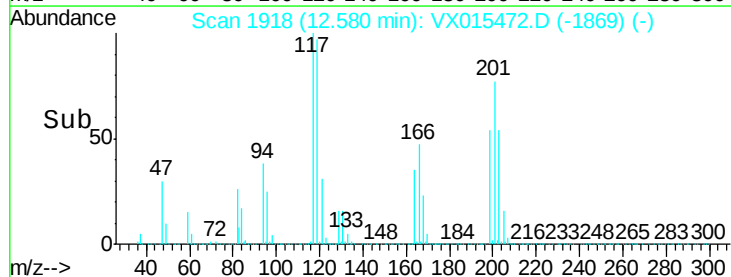
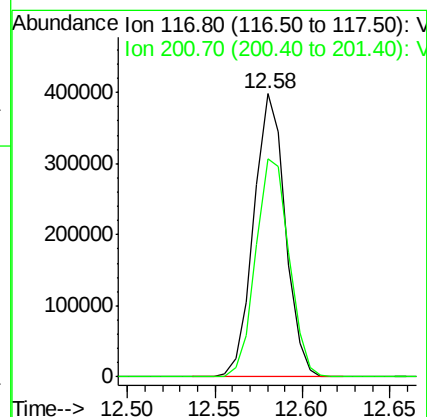
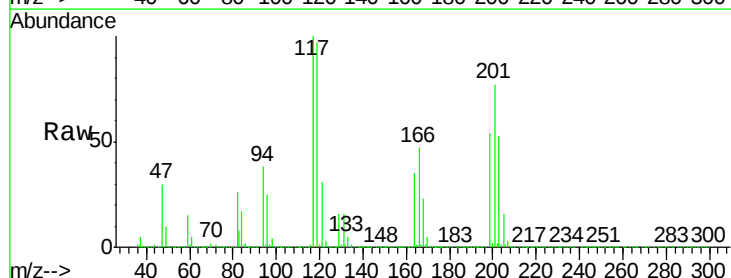
Acq: 02 Apr 2020 11:04

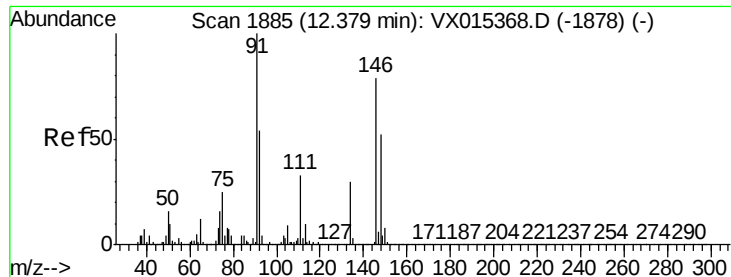
Tgt Ion: 117 Resp: 499567

Ion Ratio Lower Upper

117 100

201 81.7 42.6 128.0





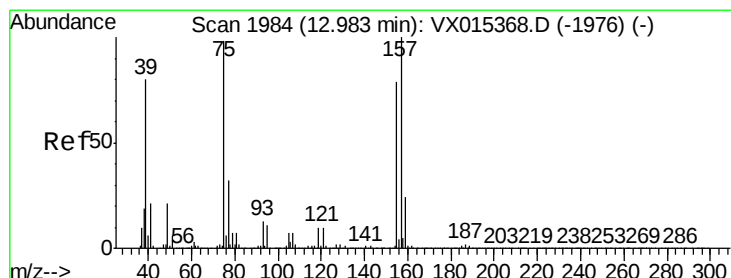
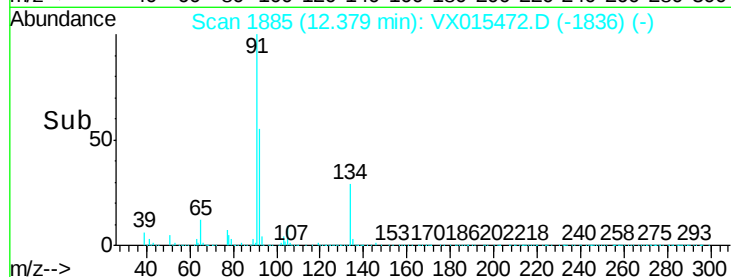
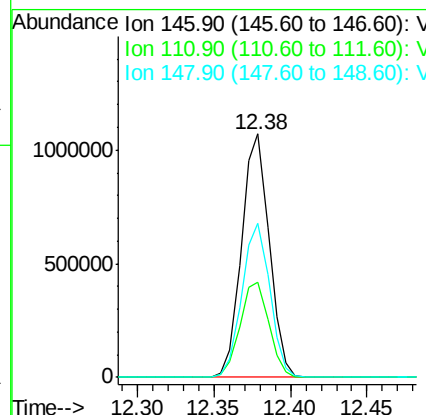
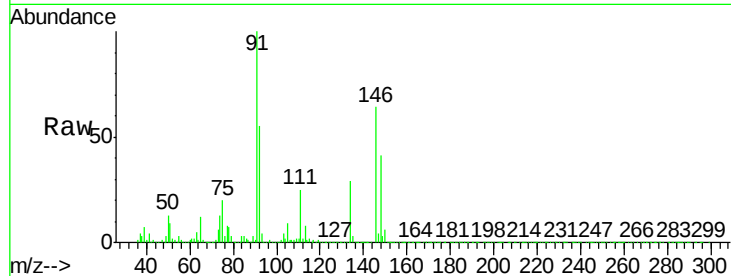
#91
 1,2-Dichlorobenzene
 Concen: 49.443 ug/l
 RT: 12.38 min Scan# 1885
 Delta R.T. -0.00 min
 Lab File: VX015472.D
 Acq: 02 Apr 2020 11:04

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	21.0	63.0
148	64.0	32.4	97.0

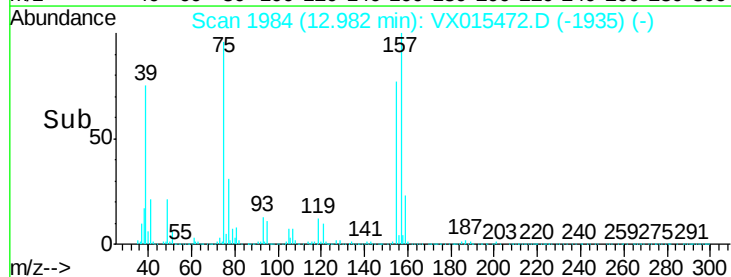
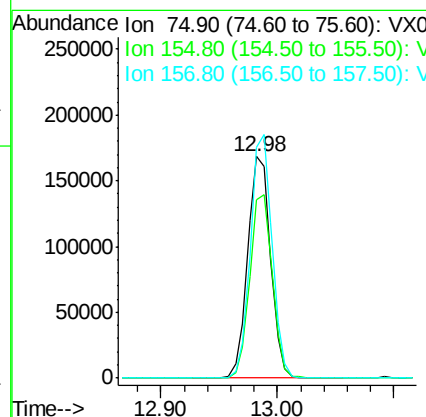
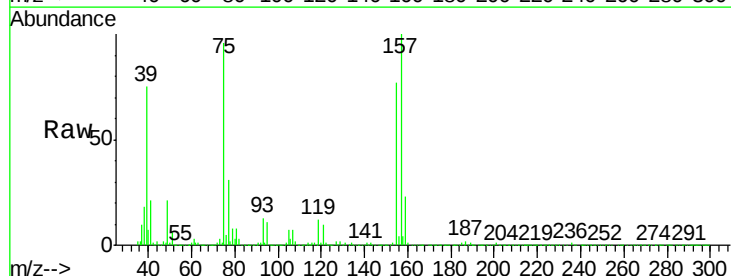
Manual Integrations
 APPROVED

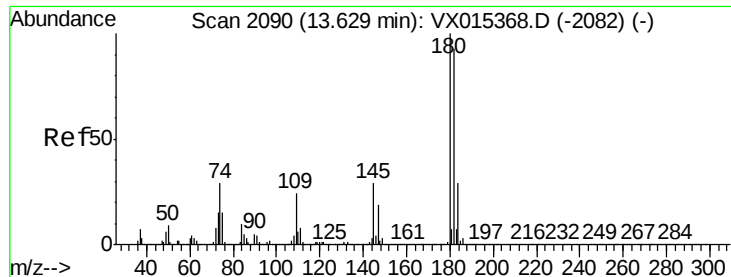
MMDadoda
 4/3/2020 12:36:26 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 41.525 ug/l
 RT: 12.98 min Scan# 1984
 Delta R.T. -0.00 min
 Lab File: VX015472.D
 Acq: 02 Apr 2020 11:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.0	42.8	128.4
157	103.7	53.4	160.3





#93

1,2,4-Trichlorobenzene

Concen: 47.875 ug/l

RT: 13.63 min Scan# 2090

Delta R.T. -0.00 min

Lab File: VX015472.D

Acq: 02 Apr 2020 11:04

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion:180 Resp: 1025102

Ion Ratio Lower Upper

180 100

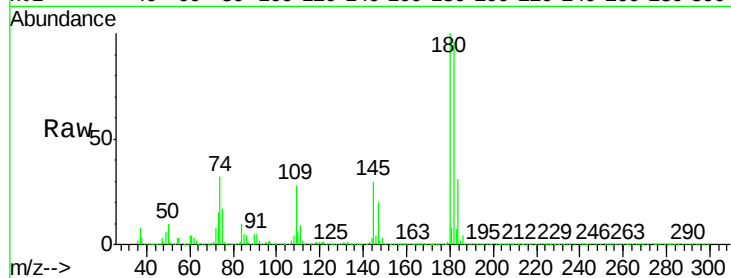
182 96.7 46.9 140.7

145 30.1 14.9 44.5

Manual Integrations
APPROVED

MMDadoda

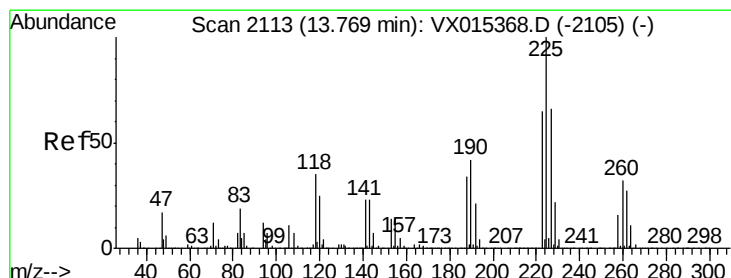
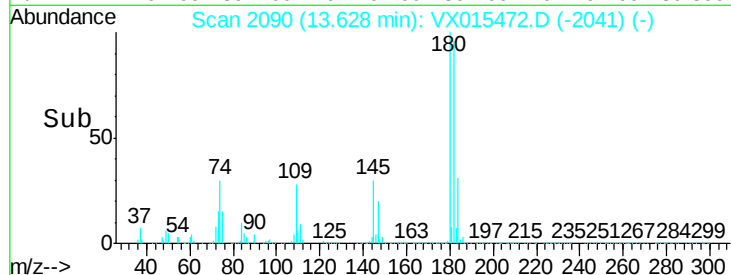
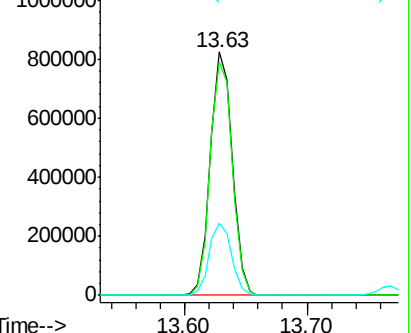
4/3/2020 12:36:26 PM



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 49.504 ug/l

RT: 13.77 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VX015472.D

Acq: 02 Apr 2020 11:04

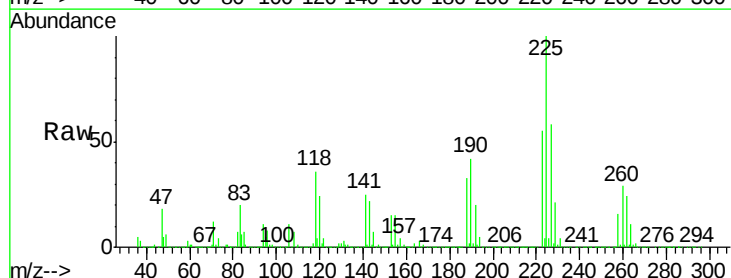
Tgt Ion:225 Resp: 504666

Ion Ratio Lower Upper

225 100

223 59.3 31.9 95.7

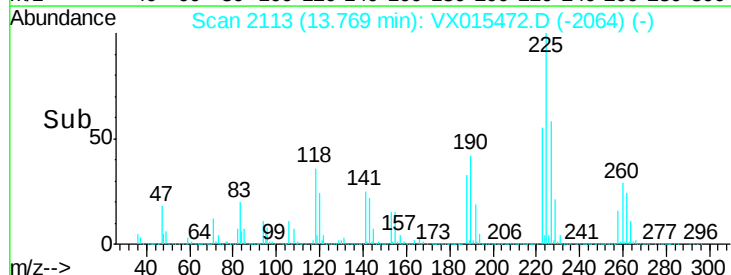
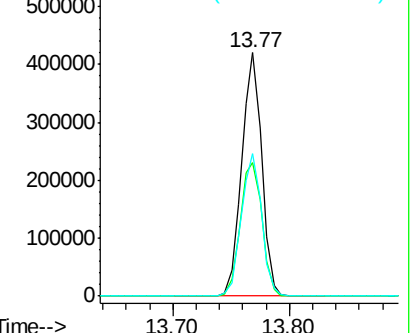
227 59.1 30.4 91.3

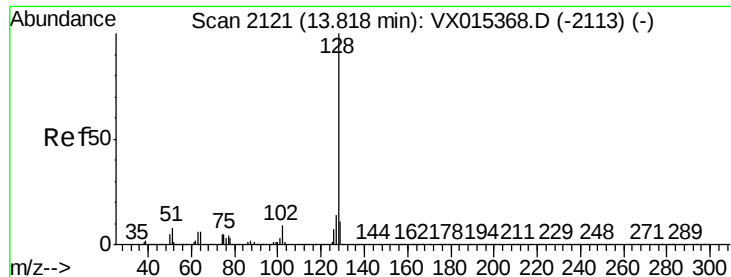


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





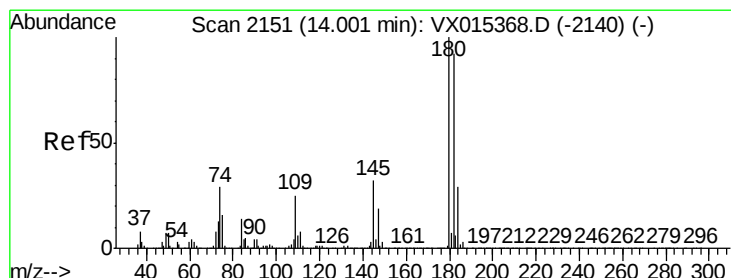
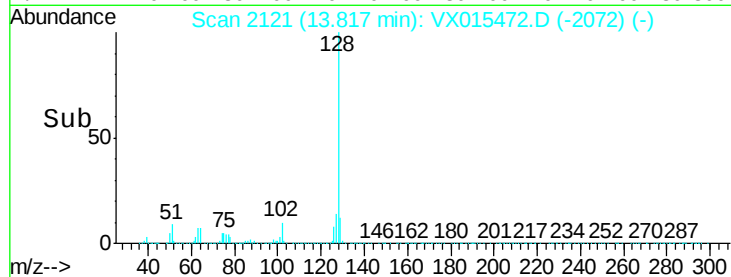
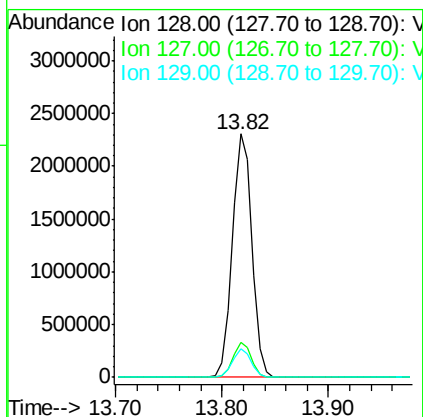
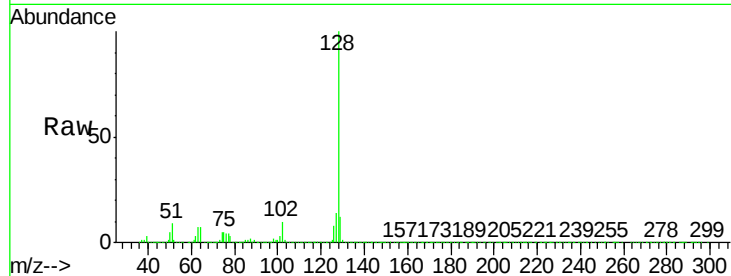
#95
Naphthalene
Concen: 45.480 ug/l
RT: 13.82 min Scan# 2121
Delta R.T. -0.00 min
Lab File: VX015472.D
Acq: 02 Apr 2020 11:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.6	15.8
129	11.2	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
4/3/2020 12:36:26 PM



#96
1,2,3-Trichlorobenzene
Concen: 49.539 ug/l
RT: 14.01 min Scan# 2152
Delta R.T. 0.01 min
Lab File: VX015472.D
Acq: 02 Apr 2020 11:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	46.7	140.0
145	31.9	15.8	47.3

