

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041620\
 Data File : VX015701.D
 Acq On : 16 Apr 2020 10:23
 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
 4/17/2020 11:55:25 AM

Quant Time: Apr 17 07:02:11 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	1041970	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1494284	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1395132	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	754626	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	640907	43.61	ug/l	0.00
Spiked Amount			Recovery	=	87.22%	
35) Dibromofluoromethane	5.46	113	504990	52.87	ug/l	-0.01
Spiked Amount			Recovery	=	105.74%	
50) Toluene-d8	8.70	98	1872167	53.24	ug/l	0.00
Spiked Amount			Recovery	=	106.48%	
62) 4-Bromofluorobenzene	11.12	95	757006	52.97	ug/l	0.00
Spiked Amount			Recovery	=	105.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	399741	43.545	ug/l	99
3) Chloromethane	1.31	50	487019	41.659	ug/l	100
4) Vinyl Chloride	1.39	62	491850	45.819	ug/l	99
5) Bromomethane	1.62	94	253147	51.383	ug/l	97
6) Chloroethane	1.71	64	308381	46.320	ug/l	100
7) Trichlorofluoromethane	1.92	101	689414	47.889	ug/l	99
8) Diethyl Ether	2.17	74	283704	46.723	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.36	101	467024	49.764	ug/l	98
10) Methyl Iodide	2.49	142	488998	38.647	ug/l	98
11) Tert butyl alcohol	3.01	59	616941	175.390	ug/l	100
12) 1,1-Dichloroethene	2.36	96	438497	44.575	ug/l	100
13) Acrolein	2.27	56	591001	294.949	ug/l	99
14) Allyl chloride	2.70	41	973487	42.352	ug/l	99
15) Acrylonitrile	3.11	53	1410025	210.195	ug/l	100
16) Acetone	2.42	43	1634899	258.946	ug/l	99
17) Carbon Disulfide	2.55	76	1186496	39.538	ug/l	99
18) Methyl Acetate	2.75	43	688754	42.742	ug/l	98
19) Methyl tert-butyl Ether	3.16	73	1668387	43.729	ug/l	99
20) Methylene Chloride	2.83	84	508092	43.084	ug/l	95
21) trans-1,2-Dichloroethene	3.14	96	485450	44.465	ug/l	95
22) Diisopropyl ether	3.82	45	1831820	44.974	ug/l	98
23) Vinyl Acetate	3.78	43	7913185	214.580	ug/l	100
24) 1,1-Dichloroethane	3.67	63	935865	43.640	ug/l	100
25) 2-Butanone	4.63	43	2206613	217.321	ug/l	99
26) 2,2-Dichloropropane	4.55	77	847444	48.143	ug/l	99
27) cis-1,2-Dichloroethene	4.56	96	576341	45.629	ug/l	99
28) Bromochloromethane	4.98	49	440827	43.054	ug/l	95
29) Tetrahydrofuran	5.09	42	1293033	198.088	ug/l	99
30) Chloroform	5.17	83	915726	44.383	ug/l	94
31) Cyclohexane	5.54	56	837808	45.035	ug/l	97
32) 1,1,1-Trichloroethane	5.47	97	838277	44.895	ug/l	99
36) 1,1-Dichloropropene	5.77	75	697701	50.675	ug/l	99
37) Ethyl Acetate	4.79	43	790457	44.093	ug/l	100
38) Carbon Tetrachloride	5.75	117	739374	49.581	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041620\
 Data File : VX015701.D
 Acq On : 16 Apr 2020 10:23
 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
 4/17/2020 11:55:25 AM

Quant Time: Apr 17 07:02:11 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	846709	53.337	ug/l	98
40) Benzene	6.11	78	2035789	50.477	ug/l	98
41) Methacrylonitrile	5.00	41	455625	45.784	ug/l	97
42) 1,2-Dichloroethane	6.16	62	780053	48.151	ug/l	99
43) Isopropyl Acetate	6.41	43	1382051	45.668	ug/l	99
44) Trichloroethene	7.18	130	591655	53.791	ug/l	93
45) 1,2-Dichloropropane	7.49	63	547511	49.625	ug/l	97
46) Dibromomethane	7.64	93	359038	49.609	ug/l	95
47) Bromodichloromethane	7.87	83	756960	49.085	ug/l	96
48) Methyl methacrylate	7.75	41	685669	45.361	ug/l	96
49) 1,4-Dioxane	7.72	88	260270	922.983	ug/l	97
51) 4-Methyl-2-Pentanone	8.62	43	4018113	234.284	ug/l	100
52) Toluene	8.76	92	1300824	52.316	ug/l	98
53) t-1,3-Dichloropropene	9.02	75	868675	48.029	ug/l	98
54) cis-1,3-Dichloropropene	8.42	75	919339	49.899	ug/l	94
55) 1,1,2-Trichloroethane	9.20	97	524674	51.503	ug/l	98
56) Ethyl methacrylate	9.16	69	867052	48.294	ug/l	96
57) 1,3-Dichloropropane	9.35	76	905404	49.329	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	2192310	251.043	ug/l	99
59) 2-Hexanone	9.47	43	3120924	241.029	ug/l	98
60) Dibromochloromethane	9.56	129	618271	50.507	ug/l	100
61) 1,2-Dibromoethane	9.65	107	545903	49.282	ug/l	98
64) Tetrachloroethene	9.32	164	553759	52.595	ug/l	93
65) Chlorobenzene	10.12	112	1421935	51.106	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.20	131	556098	50.029	ug/l	98
67) Ethyl Benzene	10.23	91	2539820	51.469	ug/l	100
68) m/p-Xylenes	10.34	106	1909003	103.890	ug/l	100
69) o-Xylene	10.68	106	936259	51.563	ug/l	100
70) Styrene	10.70	104	1649886	51.637	ug/l	98
71) Bromoform	10.84	173	485456	47.975	ug/l #	98
73) Isopropylbenzene	11.00	105	2497373	50.508	ug/l	98
74) N-amyl acetate	10.88	43	1179815	42.902	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.25	83	792987	46.739	ug/l	100
76) 1,2,3-Trichloropropane	11.28	75	734874m	47.355	ug/l	
77) Bromobenzene	11.24	156	670875	50.867	ug/l	95
78) n-propylbenzene	11.34	91	2896351	51.228	ug/l	99
79) 2-Chlorotoluene	11.40	91	1720947	49.661	ug/l	98
80) 1,3,5-Trimethylbenzene	11.49	105	2182699	51.689	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.06	75	281473	43.522	ug/l	98
82) 4-Chlorotoluene	11.49	91	2050791	50.481	ug/l	98
83) tert-Butylbenzene	11.76	119	2191655	53.135	ug/l	98
84) 1,2,4-Trimethylbenzene	11.79	105	2231489	51.857	ug/l	99
85) sec-Butylbenzene	11.93	105	2536799	53.178	ug/l	99
86) p-Isopropyltoluene	12.05	119	2414474	54.520	ug/l	98
87) 1,3-Dichlorobenzene	12.01	146	1250845	52.978	ug/l	98
88) 1,4-Dichlorobenzene	12.08	146	1247254	51.862	ug/l	98
89) n-Butylbenzene	12.37	91	2188435	54.684	ug/l	100
90) Hexachloroethane	12.58	117	415301	48.181	ug/l	94
91) 1,2-Dichlorobenzene	12.37	146	1216489	52.648	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.98	75	190336	39.747	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041620\
Data File : VX015701.D
Acq On : 16 Apr 2020 10:23
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

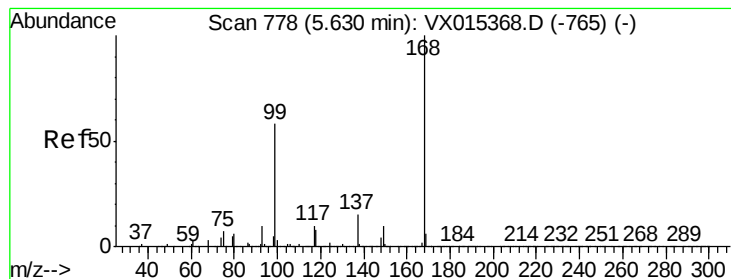
Manual Integrations
APPROVED

MMDadoda
4/17/2020 11:55:25 AM

Quant Time: Apr 17 07:02:11 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	992396	54.298	ug/l	99
94) Hexachlorobutadiene	13.76	225	475143	54.603	ug/l	97
95) Naphthalene	13.82	128	2764763	49.592	ug/l	100
96) 1,2,3-Trichlorobenzene	14.00	180	964536	54.813	ug/l	98

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



#1

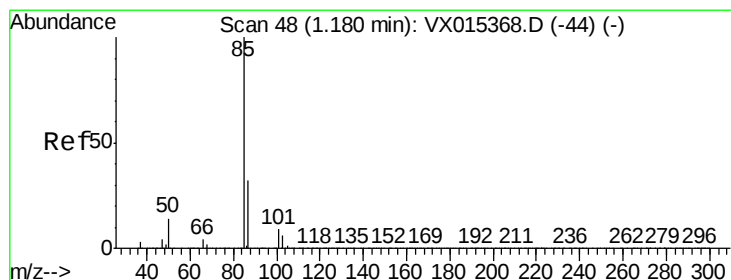
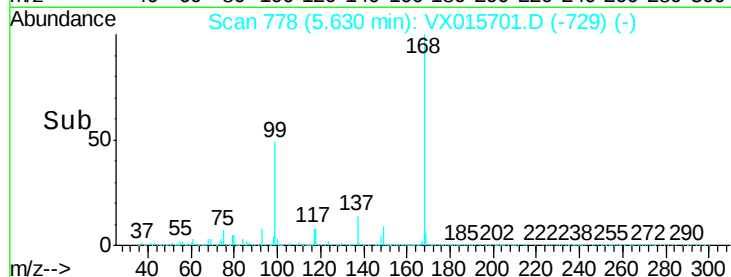
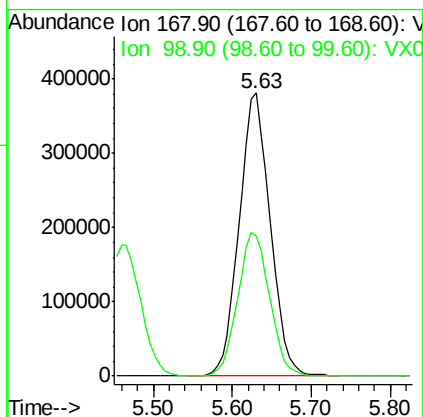
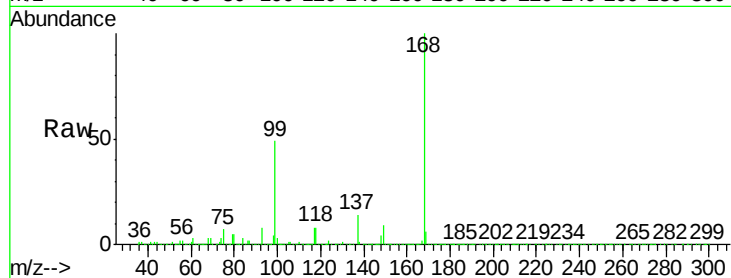
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.63 min Scan# 778
 Delta R.T. -0.00 min
 Lab File: VX015701.D
 Acq: 16 Apr 2020 10:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:168 Resp: 1041970
 Ion Ratio Lower Upper
 168 100
 99 49.3 46.4 69.6

Manual Integrations
 APPROVED

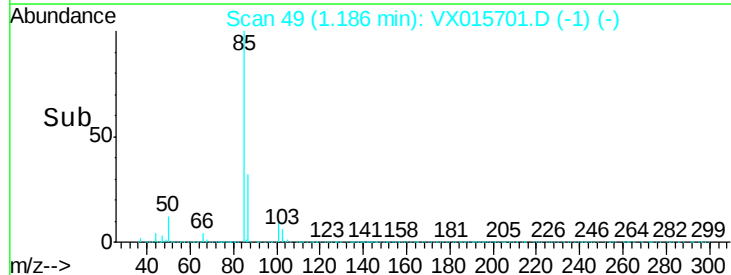
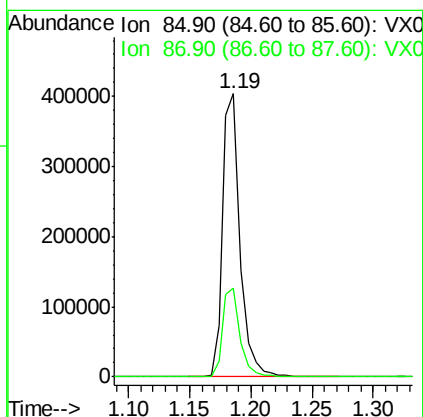
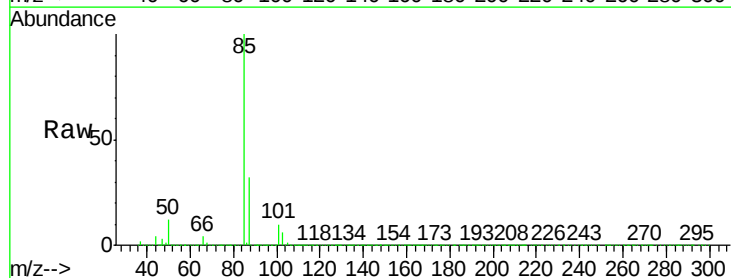
MMDadoda
 4/17/2020 11:55:25 AM

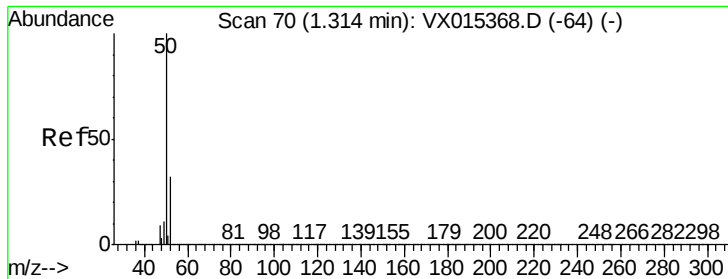


#2

Dichlorodifluoromethane
 Concen: 43.545 ug/l
 RT: 1.19 min Scan# 49
 Delta R.T. 0.01 min
 Lab File: VX015701.D
 Acq: 16 Apr 2020 10:23

Tgt Ion: 85 Resp: 399741
 Ion Ratio Lower Upper
 85 100
 87 31.5 16.0 47.9





#3

Chloromethane

Concen: 41.659 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX015701.D

Acq: 16 Apr 2020 10:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 487019

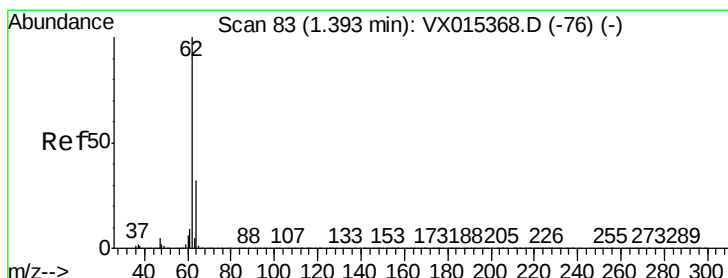
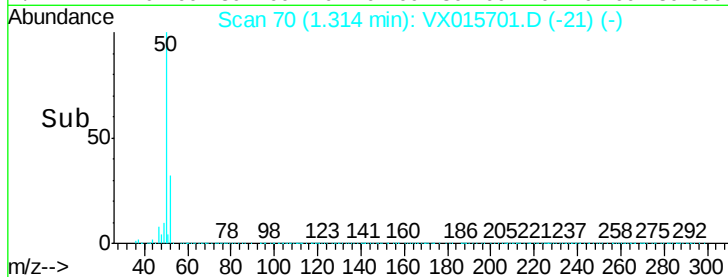
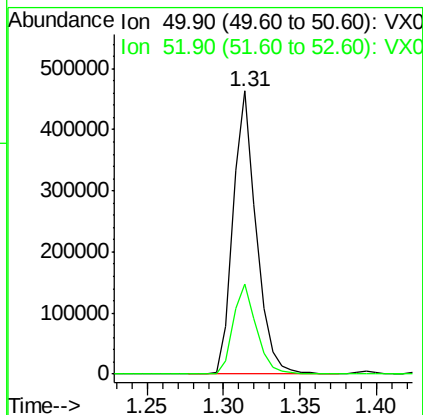
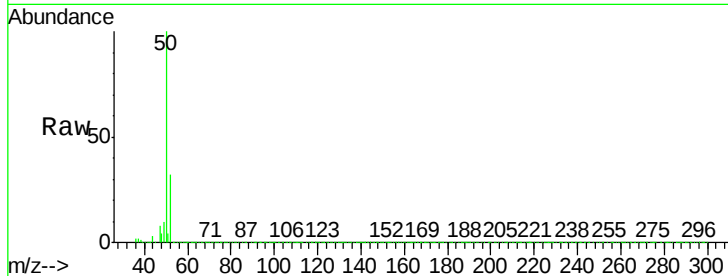
Ion Ratio Lower Upper

50 100

52 31.9 25.3 37.9

Manual Integrations
APPROVED

MMDadoda
4/17/2020 11:55:25 AM



#4

Vinyl Chloride

Concen: 45.819 ug/l

RT: 1.39 min Scan# 83

Delta R.T. -0.00 min

Lab File: VX015701.D

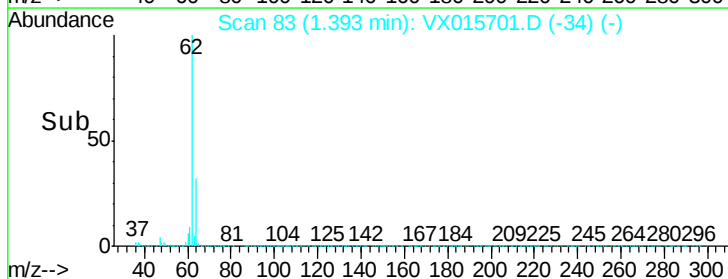
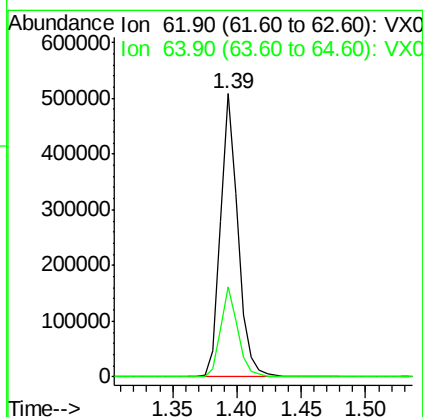
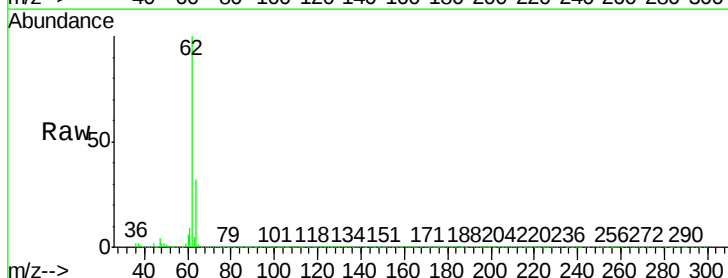
Acq: 16 Apr 2020 10:23

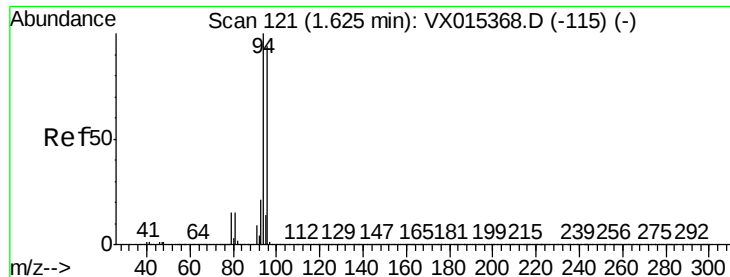
Tgt Ion: 62 Resp: 491850

Ion Ratio Lower Upper

62 100

64 31.8 26.0 39.0





#5

Bromomethane

Concen: 51.383 ug/l

RT: 1.62 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX015701.D

Acq: 16 Apr 2020 10:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 253147

Ion Ratio Lower Upper

94 100

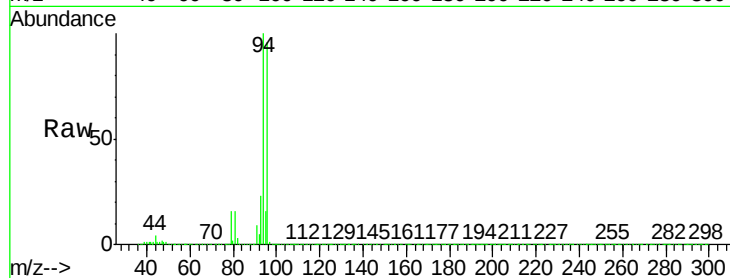
96 96.2 74.8 112.2

Manual Integrations

APPROVED

MMDadoda

4/17/2020 11:55:25 AM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

250000

200000

150000

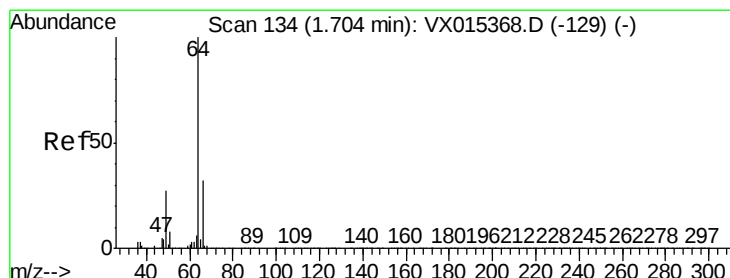
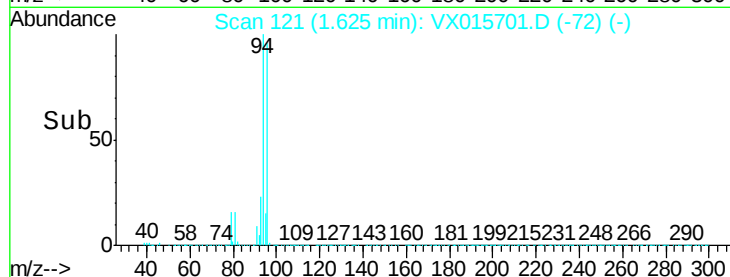
100000

50000

0

1.55 1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 46.320 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX015701.D

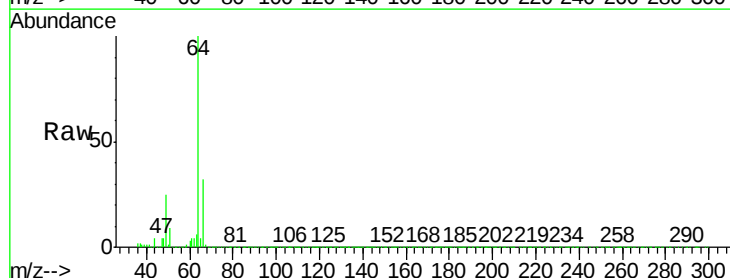
Acq: 16 Apr 2020 10:23

Tgt Ion: 64 Resp: 308381

Ion Ratio Lower Upper

64 100

66 31.6 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

250000

200000

150000

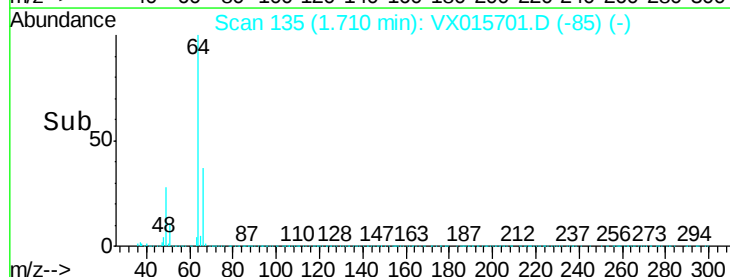
100000

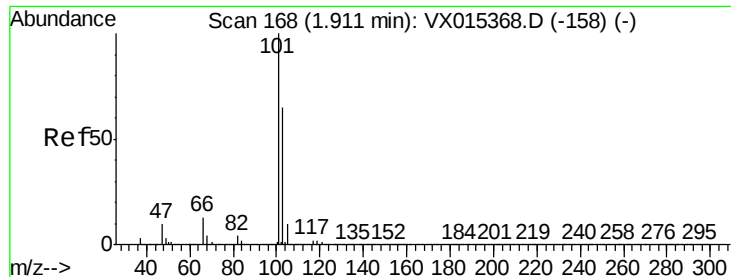
50000

0

1.65 1.70 1.75 1.80

Time-->





#7

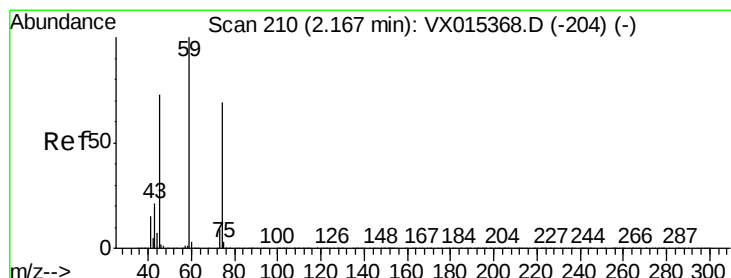
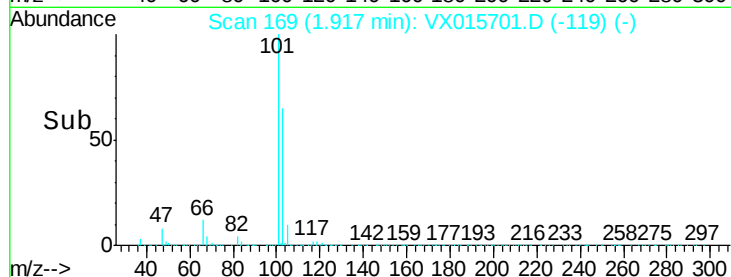
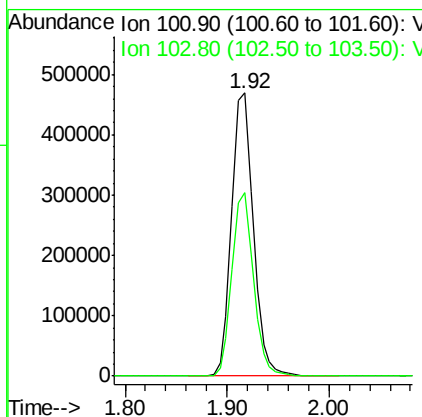
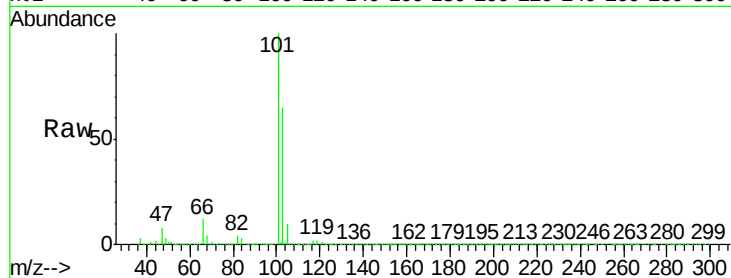
Trichlorofluoromethane
 Concen: 47.889 ug/l
 RT: 1.92 min Scan# 169
 Delta R.T. 0.01 min
 Lab File: VX015701.D
 Acq: 16 Apr 2020 10:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	52.3	78.5

Manual Integrations
 APPROVED

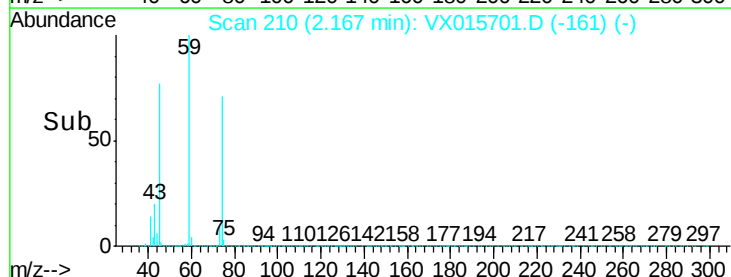
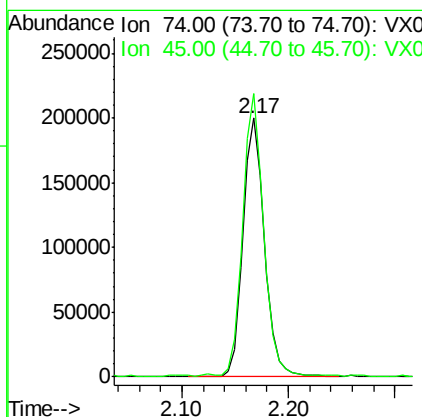
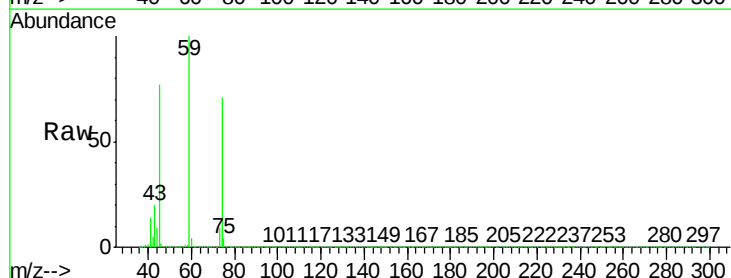
MMDadoda
 4/17/2020 11:55:25 AM



#8

Diethyl Ether
 Concen: 46.723 ug/l
 RT: 2.17 min Scan# 210
 Delta R.T. -0.00 min
 Lab File: VX015701.D
 Acq: 16 Apr 2020 10:23

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.9	53.8	161.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.764 ug/l

RT: 2.36 min Scan# 242

Delta R.T. -0.00 min

Lab File: VX015701.D

Acq: 16 Apr 2020 10:23

Instrument :

MSVOA_X

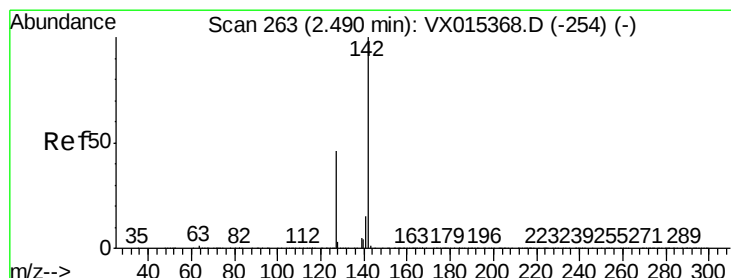
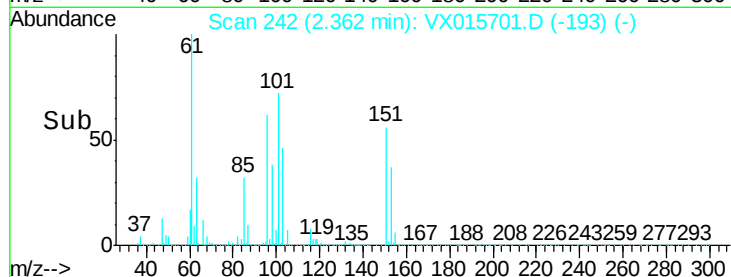
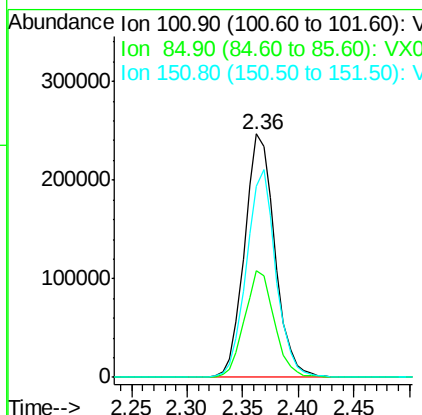
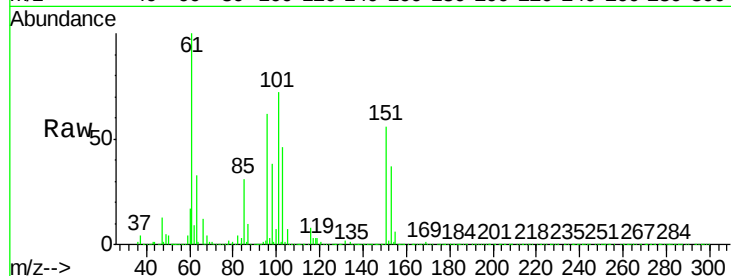
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	467024
Ion Ratio	Lower	Upper	
101	100		
85	43.0	35.0	52.4
151	82.9	64.1	96.1

Manual Integrations
APPROVED

MMDadoda
4/17/2020 11:55:25 AM



#10

Methyl Iodide

Concen: 38.647 ug/l

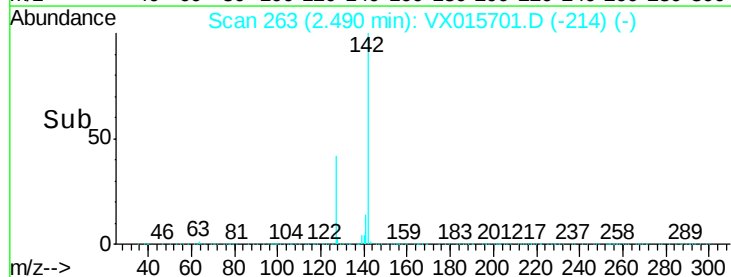
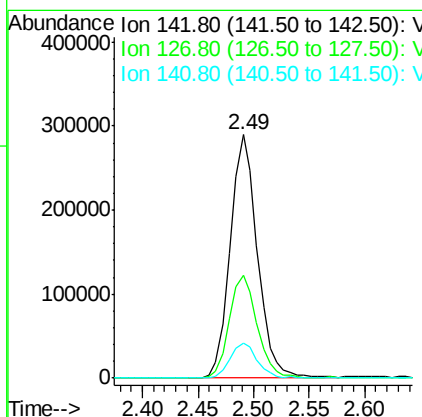
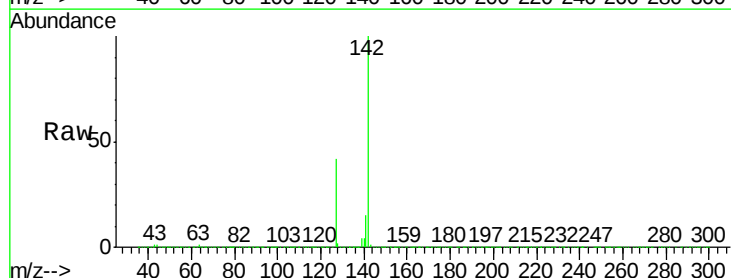
RT: 2.49 min Scan# 263

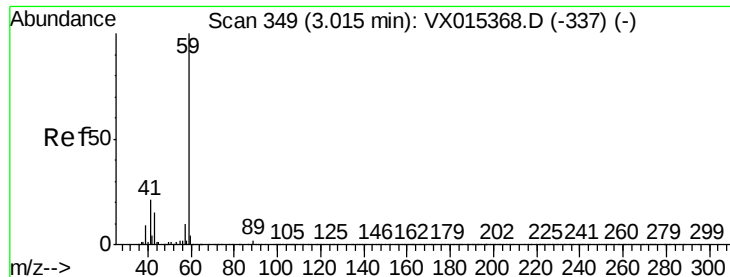
Delta R.T. -0.00 min

Lab File: VX015701.D

Acq: 16 Apr 2020 10:23

Tgt Ion:	142	Resp:	488998
Ion Ratio	Lower	Upper	
142	100		
127	43.0	35.9	53.9
141	14.3	11.6	17.4





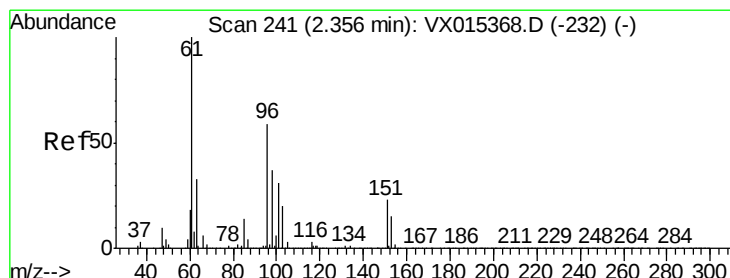
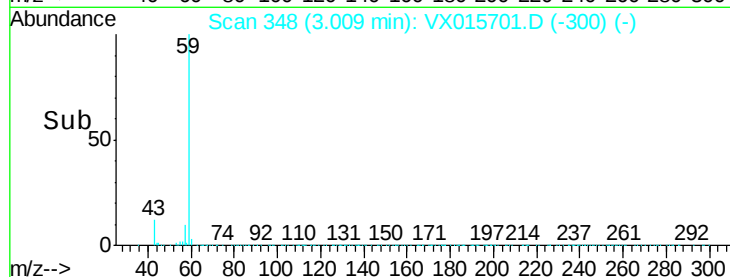
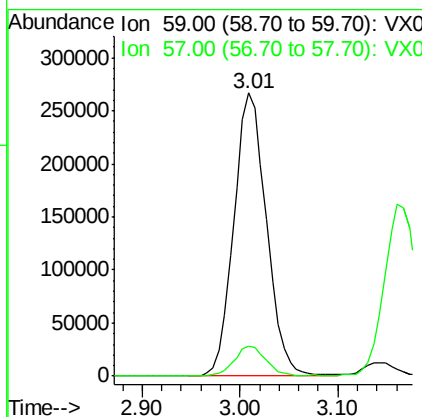
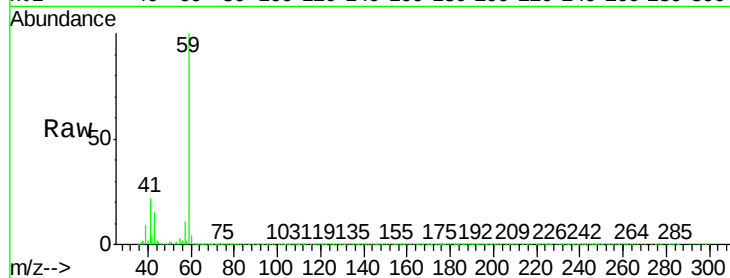
#11
Tert butyl alcohol
Concen: 175.390 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.01 min
Lab File: VX015701.D
Acq: 16 Apr 2020 10:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.1	12.1

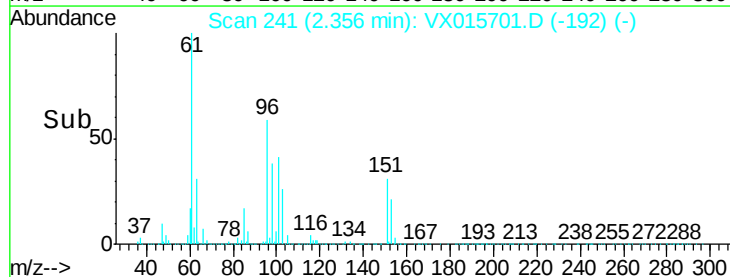
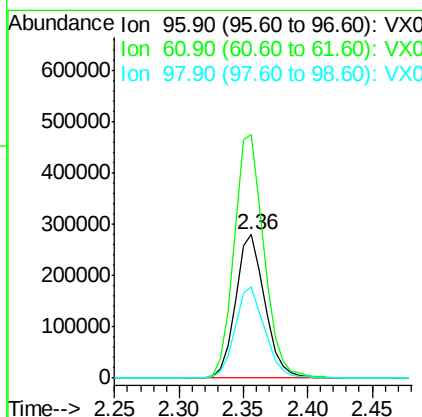
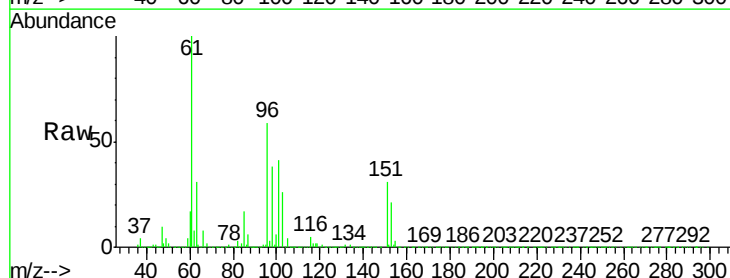
Manual Integrations
APPROVED

MMDadoda
4/17/2020 11:55:25 AM



#12
1,1-Dichloroethene
Concen: 44.575 ug/l
RT: 2.36 min Scan# 241
Delta R.T. -0.00 min
Lab File: VX015701.D
Acq: 16 Apr 2020 10:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	170.0	135.7	203.5
98	63.9	50.6	75.8





#13

Acrolein

Concen: 294.949 ug/l

RT: 2.27 min Scan# 227

Delta R.T. -0.00 min

Lab File: VX015701.D

Acq: 16 Apr 2020 10:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 591001

Ion Ratio Lower Upper

56 100

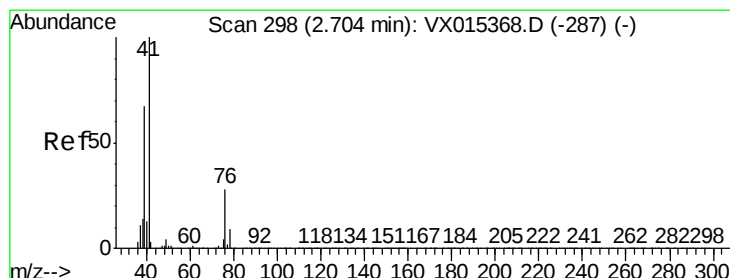
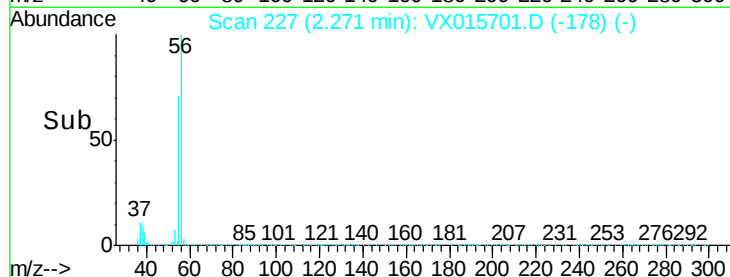
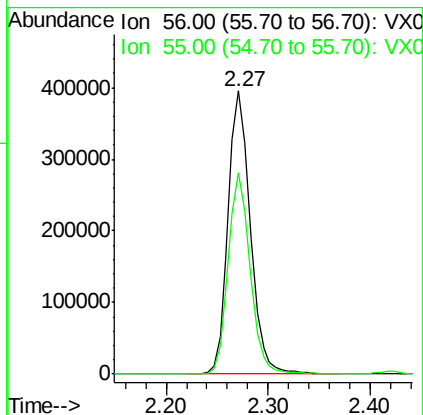
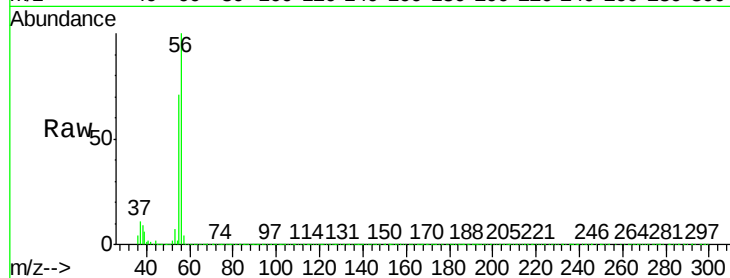
55 70.0 57.0 85.4

Manual Integrations

APPROVED

MMDadoda

4/17/2020 11:55:25 AM



#14

Allyl chloride

Concen: 42.352 ug/l

RT: 2.70 min Scan# 298

Delta R.T. -0.00 min

Lab File: VX015701.D

Acq: 16 Apr 2020 10:23

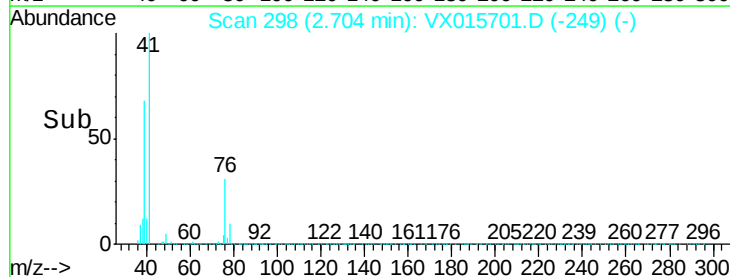
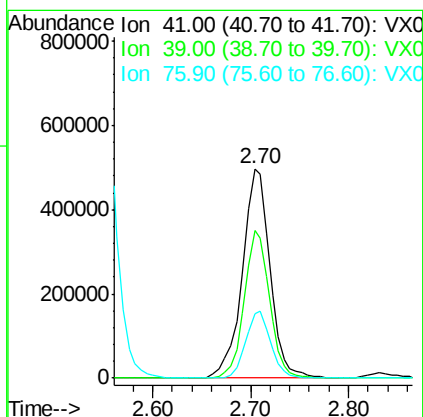
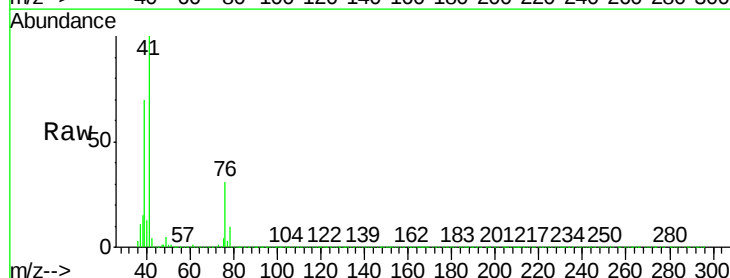
Tgt Ion: 41 Resp: 973487

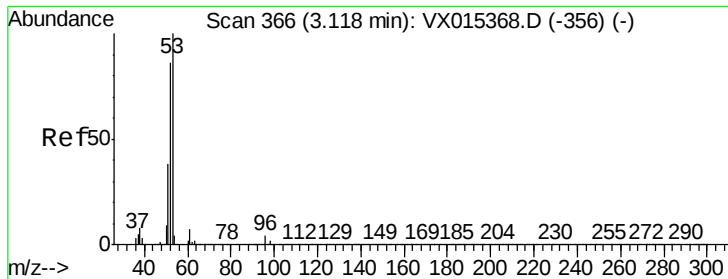
Ion Ratio Lower Upper

41 100

39 64.6 51.4 77.0

76 28.8 21.8 32.8





#15

Acrylonitrile

Concen: 210.195 ug/l

RT: 3.11 min Scan# 365

Delta R.T. -0.01 min

Lab File: VX015701.D

Acq: 16 Apr 2020 10:23

Instrument :

MSVOA_X

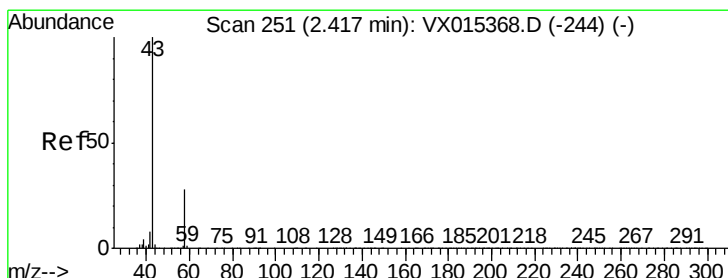
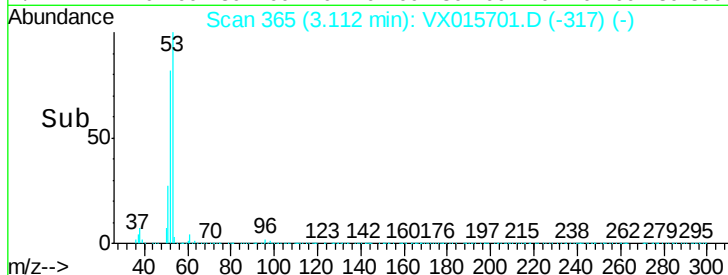
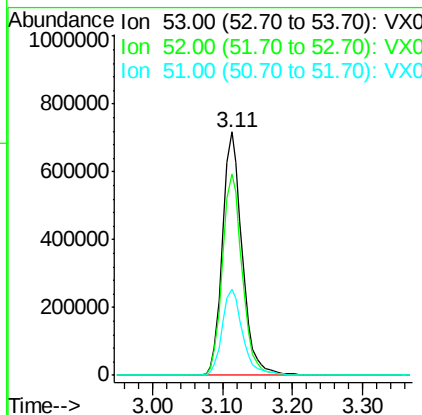
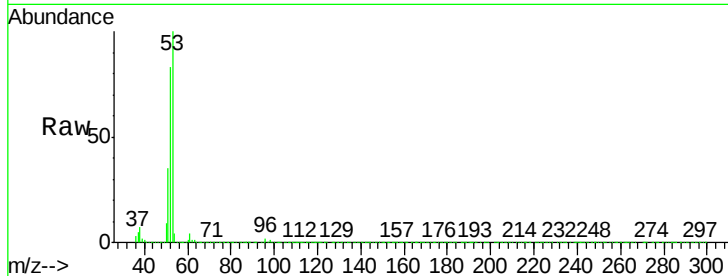
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	1410025
Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.8	100.2
51	36.6	29.5	44.3

Manual Integrations
APPROVED

MMDadoda
4/17/2020 11:55:25 AM



#16

Acetone

Concen: 258.946 ug/l

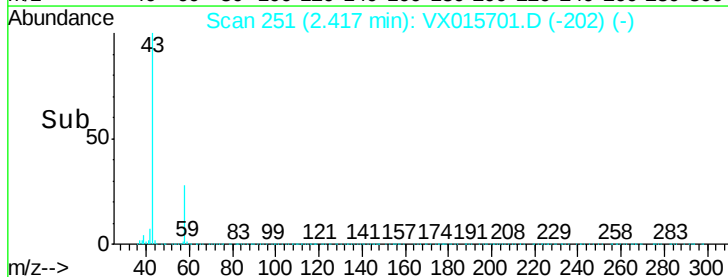
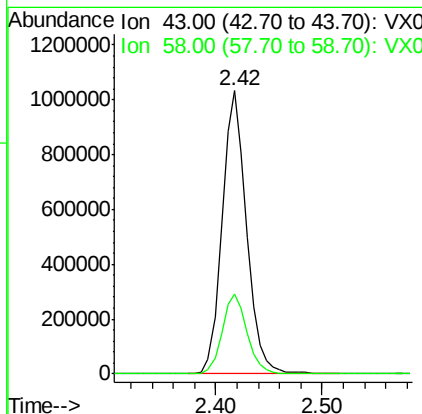
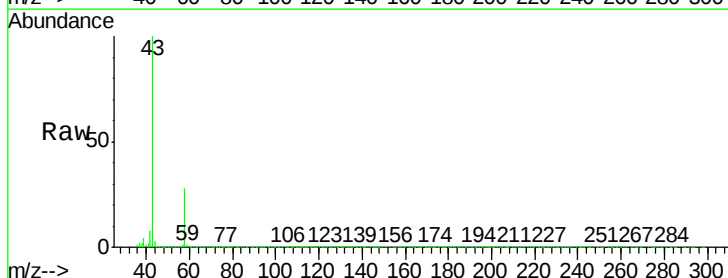
RT: 2.42 min Scan# 251

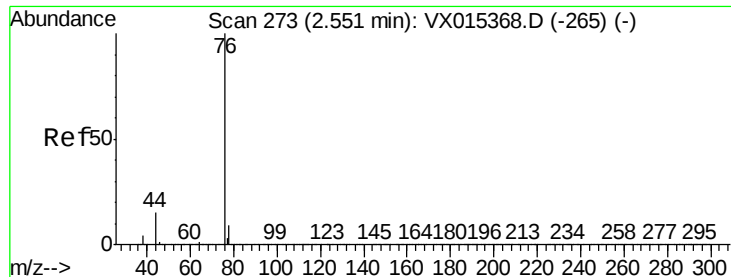
Delta R.T. -0.00 min

Lab File: VX015701.D

Acq: 16 Apr 2020 10:23

Tgt Ion:	43	Resp:	1634899
Ion	Ratio	Lower	Upper
43	100		
58	28.3	22.1	33.1





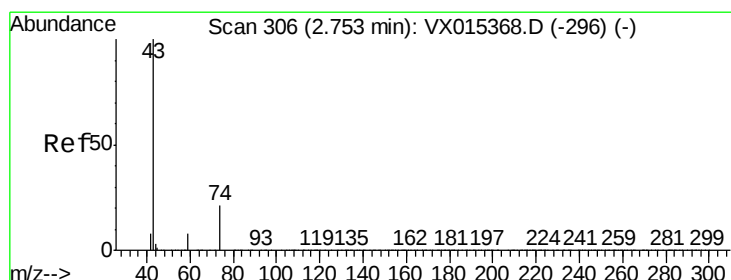
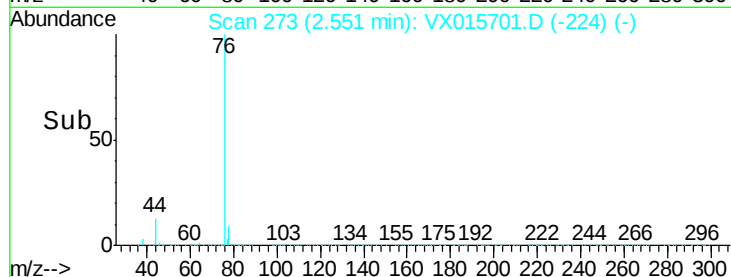
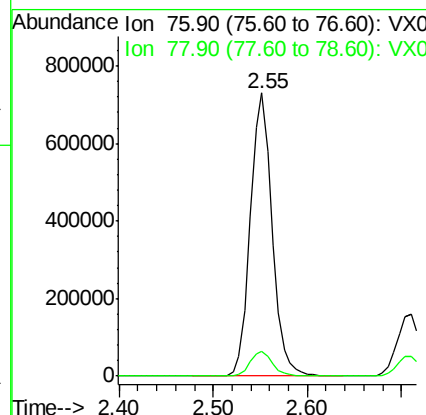
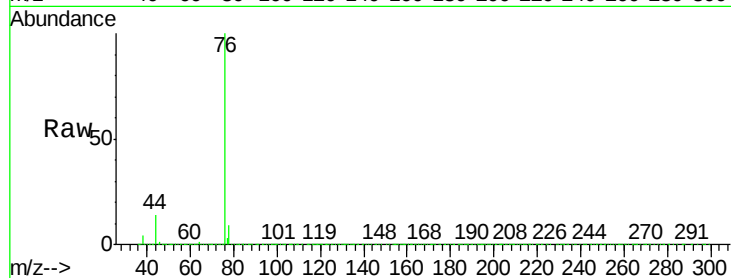
#17
Carbon Disulfide
Concen: 39.538 ug/l
RT: 2.55 min Scan# 273
Delta R.T. -0.00 min
Lab File: VX015701.D
Acq: 16 Apr 2020 10:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1186496
Ion Ratio Lower Upper
76 100
78 8.6 7.1 10.7

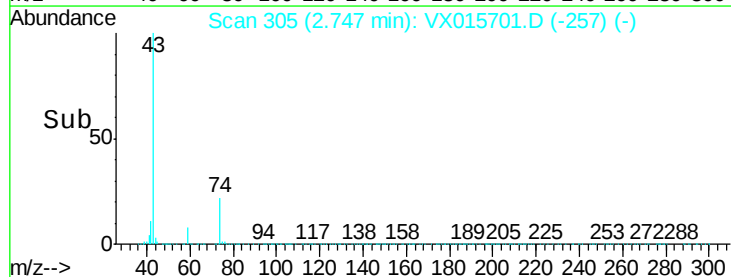
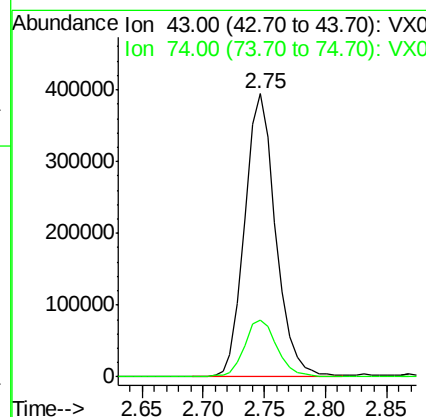
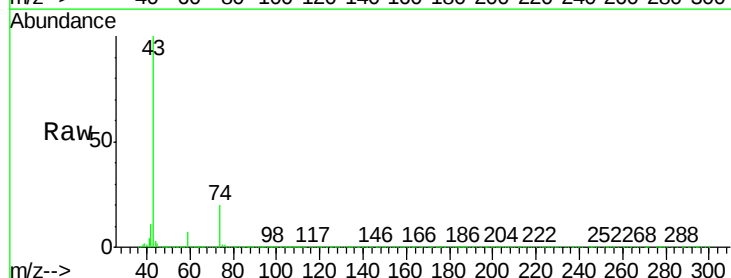
Manual Integrations
APPROVED

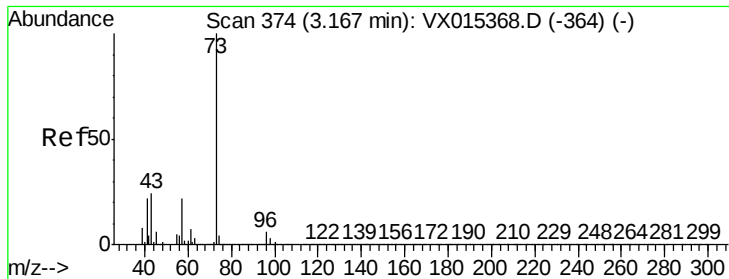
MMDadoda
4/17/2020 11:55:25 AM



#18
Methyl Acetate
Concen: 42.742 ug/l
RT: 2.75 min Scan# 305
Delta R.T. -0.01 min
Lab File: VX015701.D
Acq: 16 Apr 2020 10:23

Tgt Ion: 43 Resp: 688754
Ion Ratio Lower Upper
43 100
74 21.5 16.5 24.7





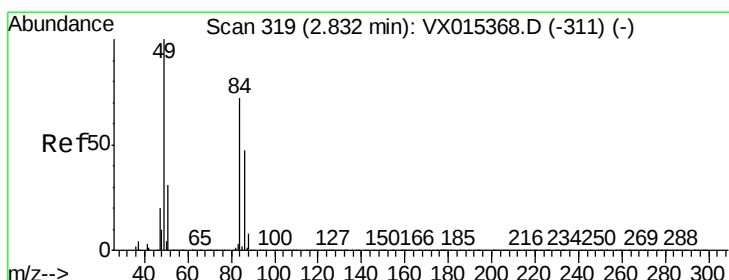
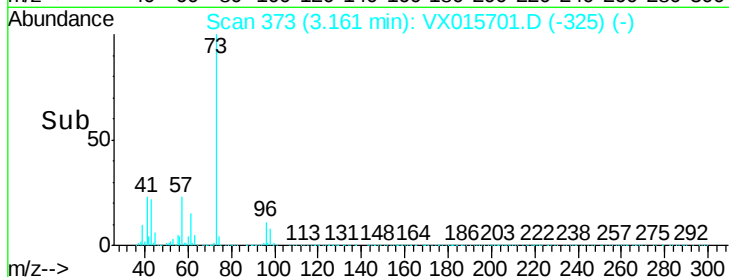
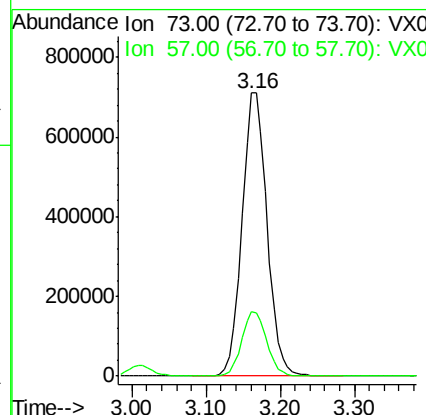
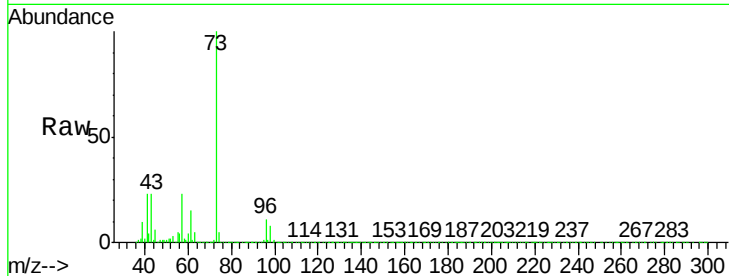
#19
Methvl tert-butvl Ether
Concen: 43.729 ug/l
RT: 3.16 min Scan# 373
Delta R.T. -0.01 min
Lab File: VX015701.D
Acq: 16 Apr 2020 10:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 1668387
Ion Ratio Lower Upper
73 100
57 22.9 17.9 26.9

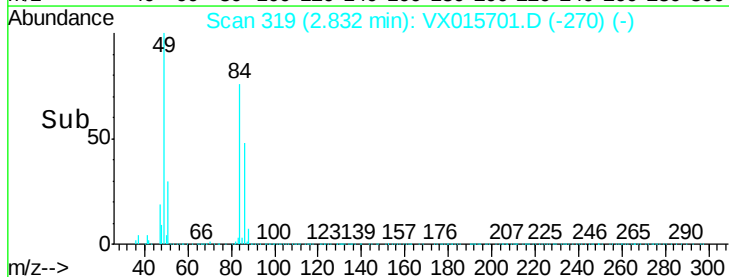
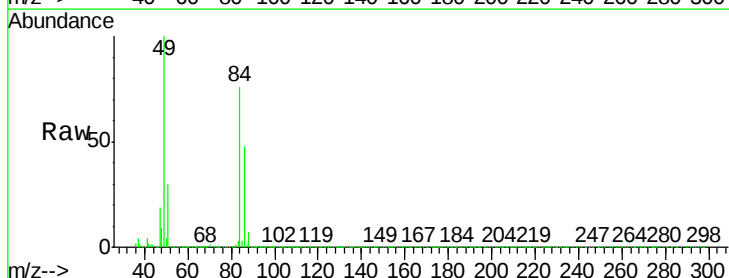
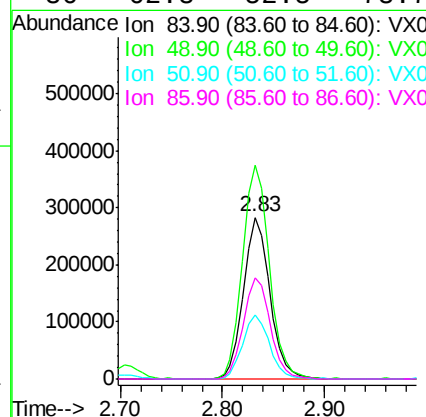
Manual Integrations
APPROVED

MMDadoda
4/17/2020 11:55:25 AM



#20
Methylene Chloride
Concen: 43.084 ug/l
RT: 2.83 min Scan# 319
Delta R.T. -0.00 min
Lab File: VX015701.D
Acq: 16 Apr 2020 10:23

Tgt Ion: 84 Resp: 508092
Ion Ratio Lower Upper
84 100
49 131.9 111.3 166.9
51 39.4 34.0 51.0
86 62.8 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 44.465 ug/l

RT: 3.14 min Scan# 370

Delta R.T. -0.00 min

Lab File: VX015701.D

Acq: 16 Apr 2020 10:23

Instrument :

MSVOA_X

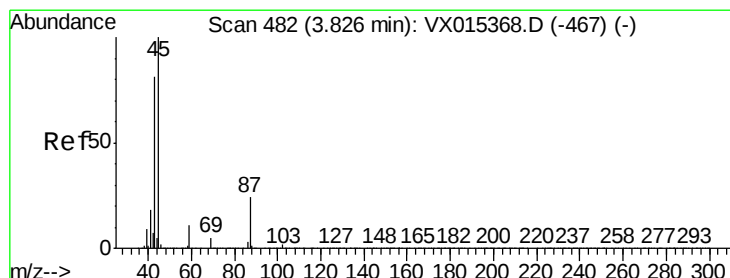
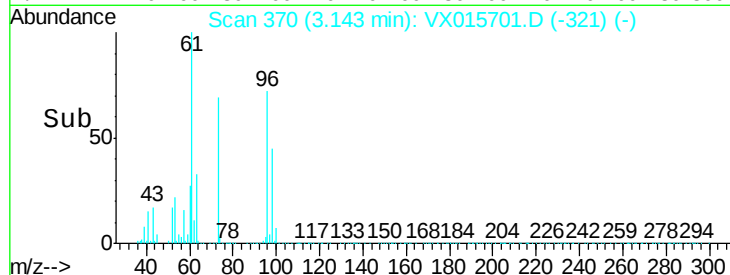
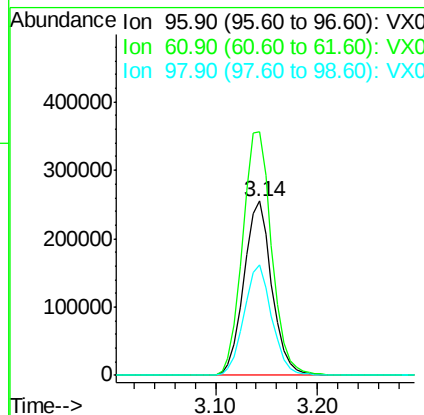
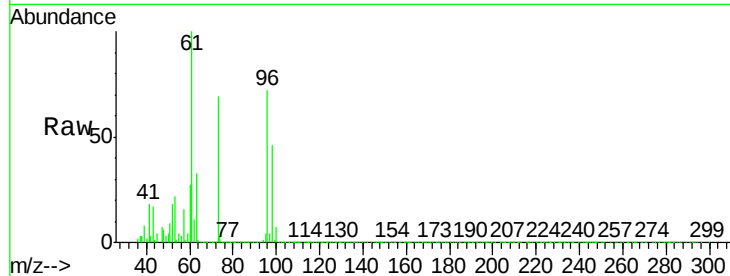
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	485450
Ion Ratio	Lower	Upper	
96	100		
61	139.8	116.9	175.3
98	63.6	48.6	73.0

Manual Integrations
APPROVED

MMDadoda
4/17/2020 11:55:25 AM



#22

Diisopropyl ether

Concen: 44.974 ug/l

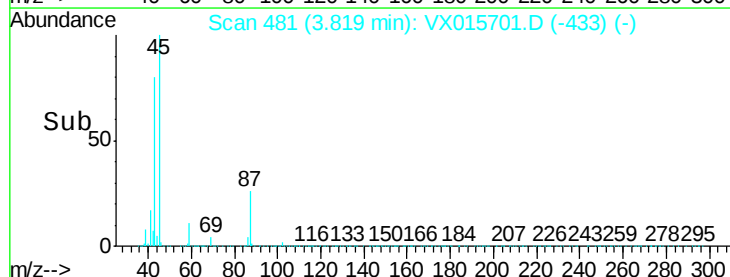
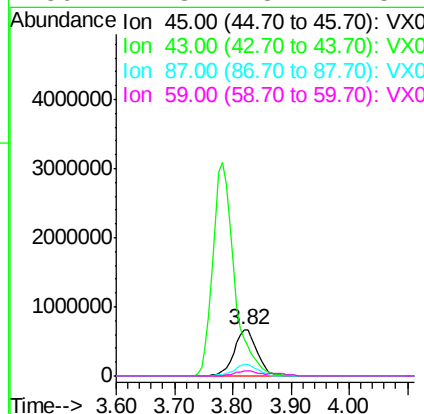
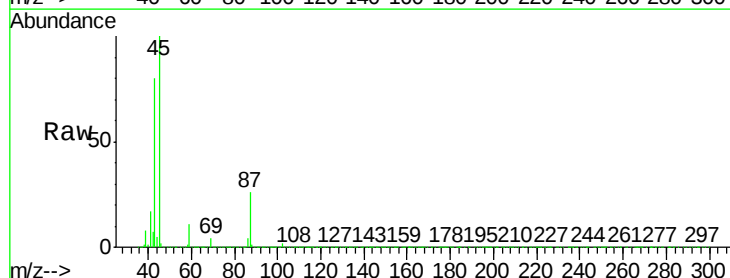
RT: 3.82 min Scan# 481

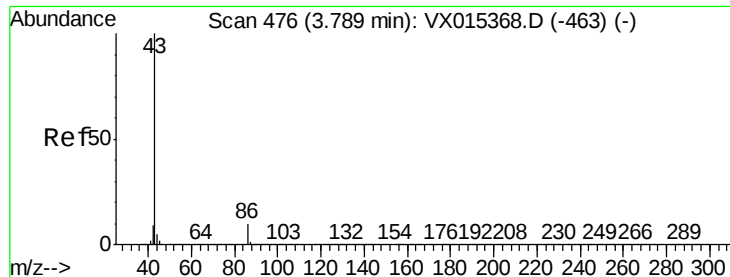
Delta R.T. -0.01 min

Lab File: VX015701.D

Acq: 16 Apr 2020 10:23

Tgt Ion:	45	Resp:	1831820
Ion Ratio	Lower	Upper	
45	100		
43	79.6	64.7	97.1
87	25.6	19.4	29.0
59	11.3	8.7	13.1





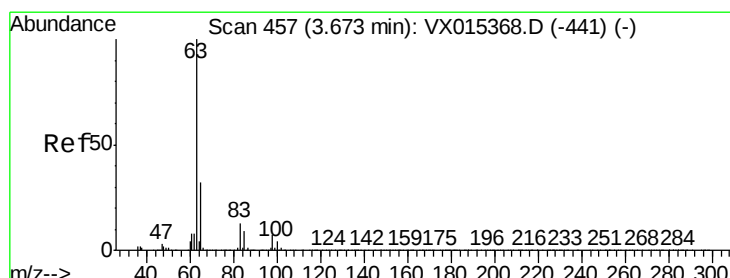
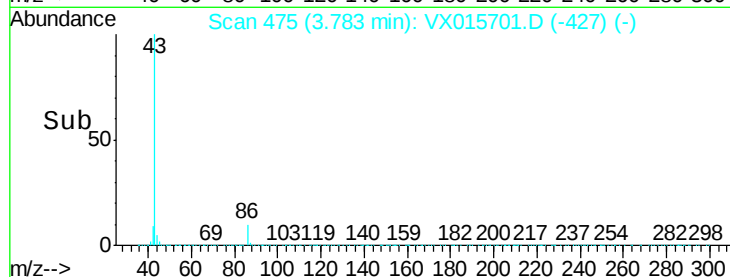
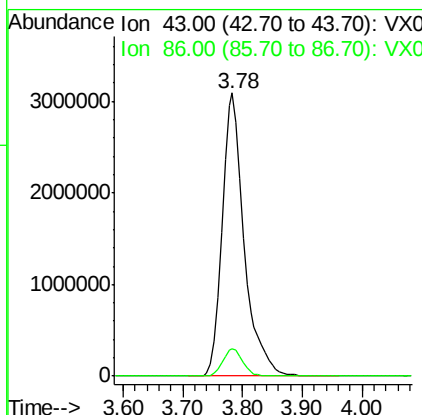
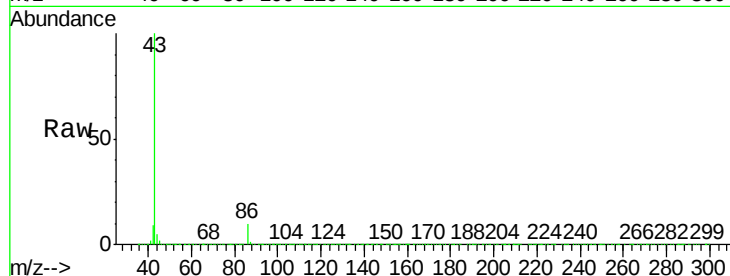
#23
 Vinyl Acetate
 Concen: 214.580 ug/l
 RT: 3.78 min Scan# 475
 Delta R.T. -0.01 min
 Lab File: VX015701.D
 Acq: 16 Apr 2020 10:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 7913185
 Ion Ratio Lower Upper
 43 100
 86 9.7 7.8 11.6

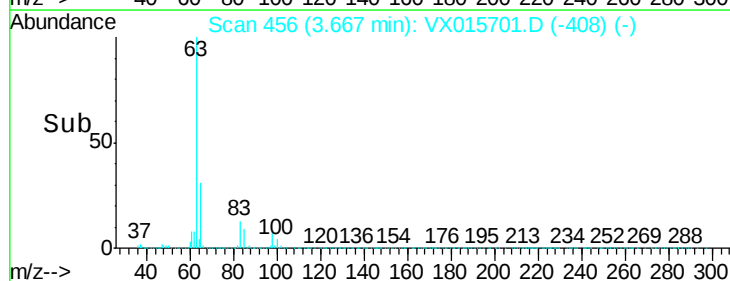
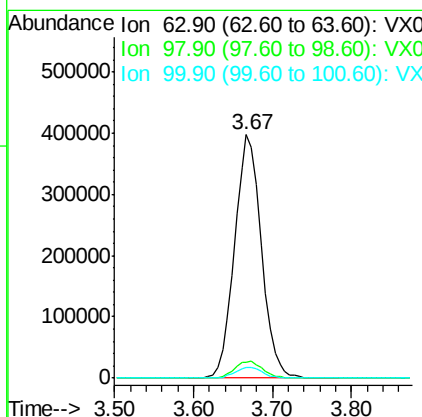
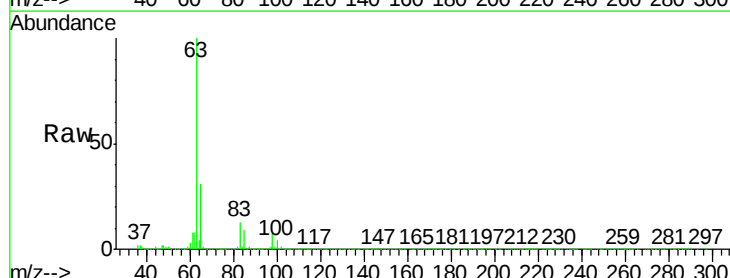
Manual Integrations
 APPROVED

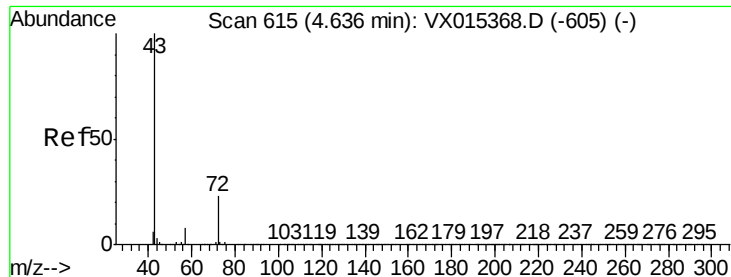
MMDadoda
 4/17/2020 11:55:25 AM



#24
 1,1-Dichloroethane
 Concen: 43.640 ug/l
 RT: 3.67 min Scan# 456
 Delta R.T. -0.01 min
 Lab File: VX015701.D
 Acq: 16 Apr 2020 10:23

Tgt Ion: 63 Resp: 935865
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.3 9.8
 100 4.4 2.1 6.5





#25

2-Butanone

Concen: 217.321 ug/l

RT: 4.63 min Scan# 614

Delta R.T. -0.01 min

Lab File: VX015701.D

Acq: 16 Apr 2020 10:23

Tot Ion: 43 Resp: 2206613

Ion Ratio Lower Upper

43 100

72 23.3 19.0 28.4

Instrument :

MSVOA_X

ClientSampleId :

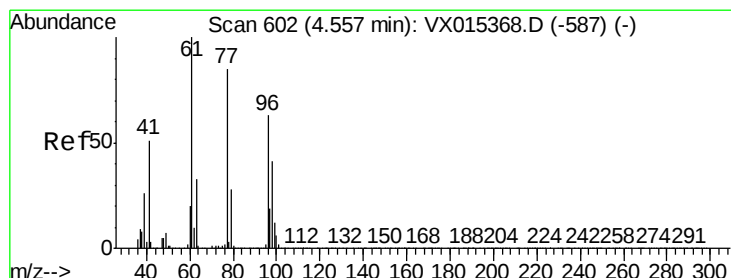
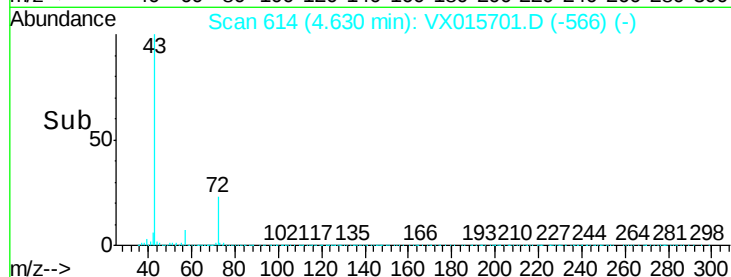
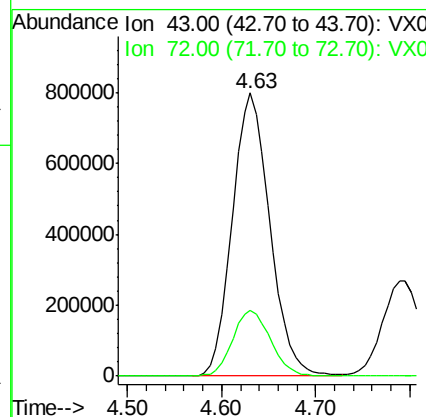
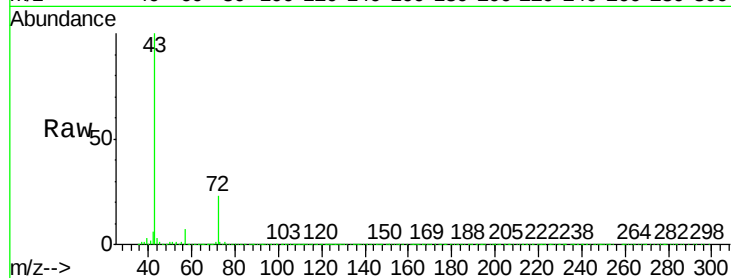
VSTDCCC050

Manual Integrations

APPROVED

MMDadoda

4/17/2020 11:55:25 AM



#26

2,2-Dichloropropane

Concen: 48.143 ug/l

RT: 4.55 min Scan# 601

Delta R.T. -0.01 min

Lab File: VX015701.D

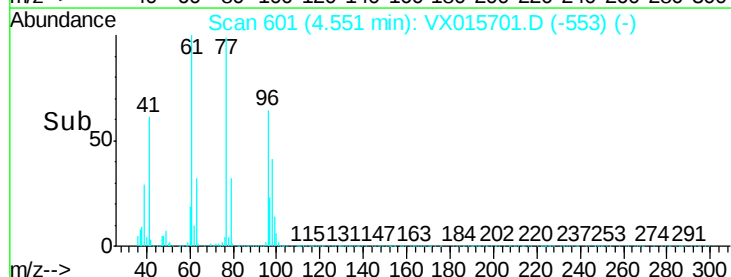
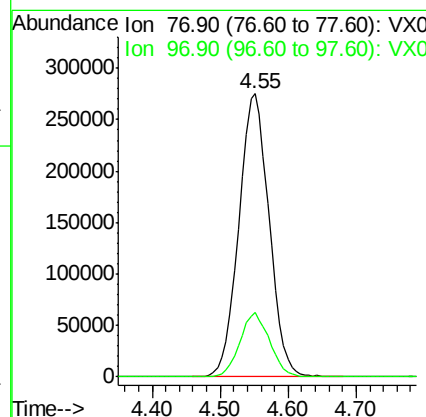
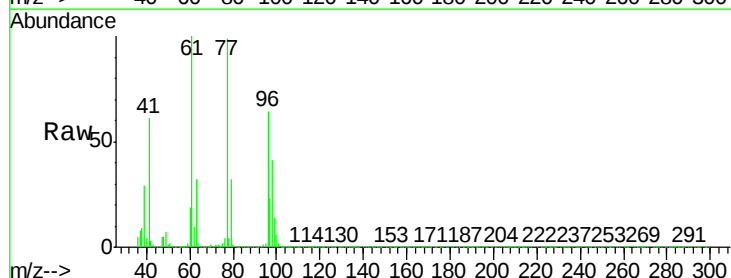
Acq: 16 Apr 2020 10:23

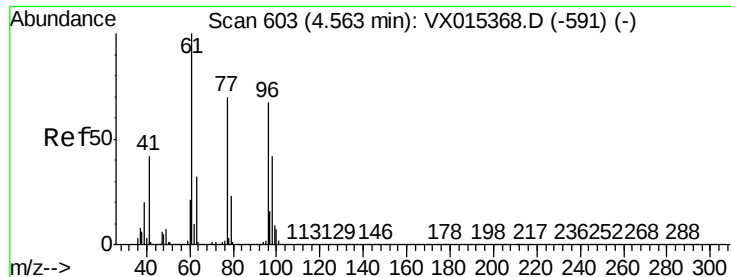
Tgt Ion: 77 Resp: 847444

Ion Ratio Lower Upper

77 100

97 22.2 11.3 33.8





#27

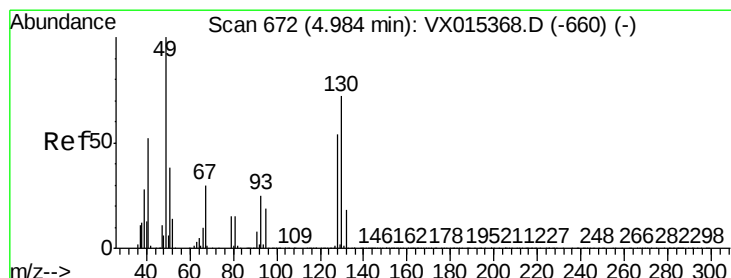
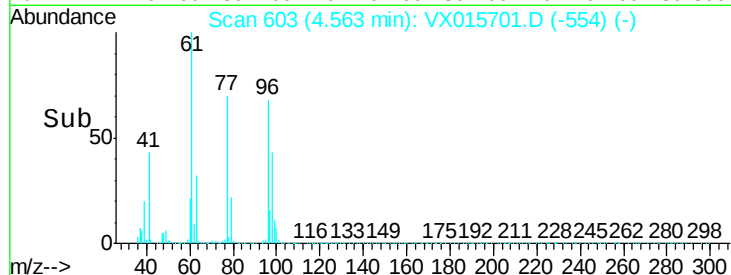
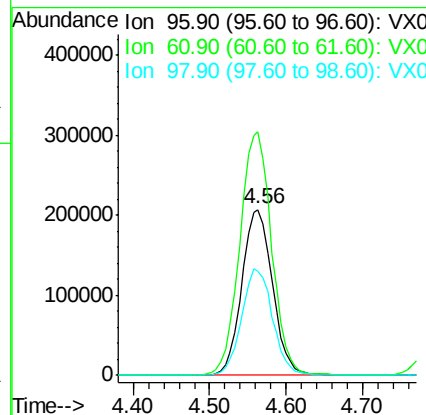
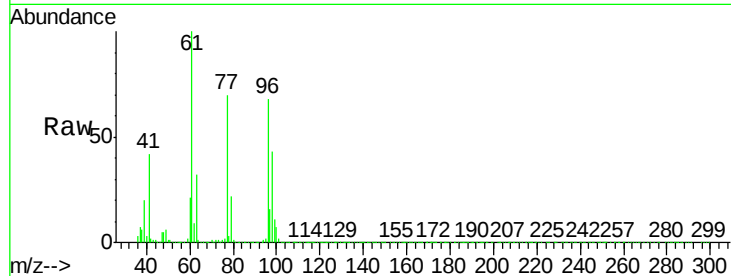
cis-1,2-Dichloroethene
Concen: 45.629 ug/l
RT: 4.56 min Scan# 603
Delta R.T. -0.00 min
Lab File: VX015701.D
Acq: 16 Apr 2020 10:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	576341		
61	152.1	0.0	308.4	
98	64.9	0.0	129.2	

Manual Integrations
APPROVED

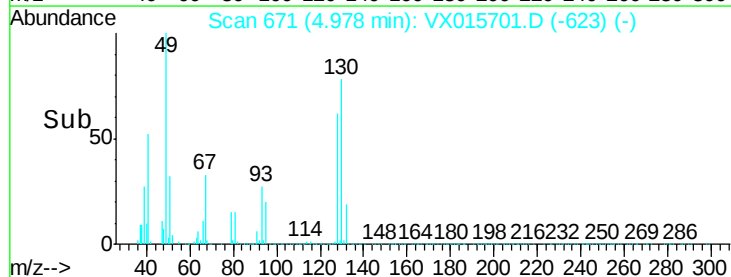
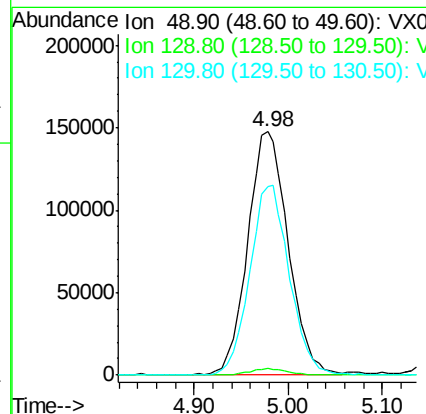
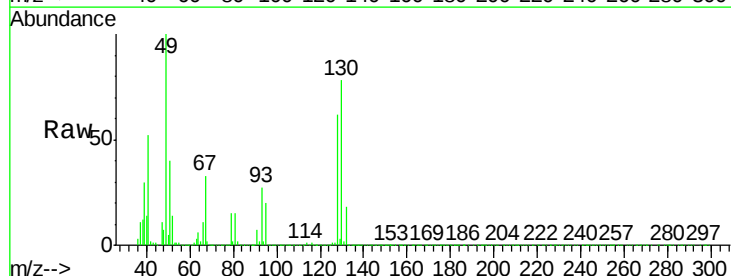
MMDadoda
4/17/2020 11:55:25 AM

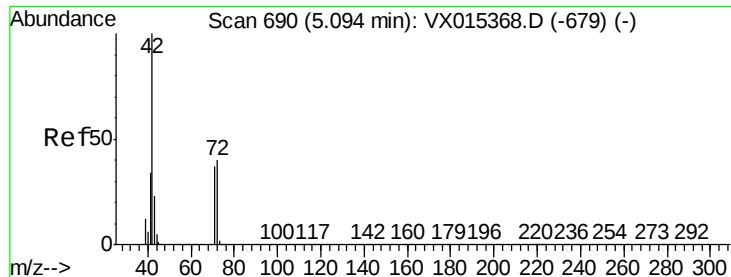


#28

Bromochloromethane
Concen: 43.054 ug/l
RT: 4.98 min Scan# 671
Delta R.T. -0.01 min
Lab File: VX015701.D
Acq: 16 Apr 2020 10:23

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	440827		
129	2.6	0.0	4.4	
130	76.3	57.7	86.5	





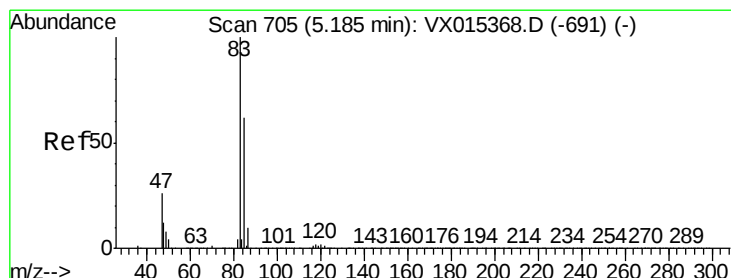
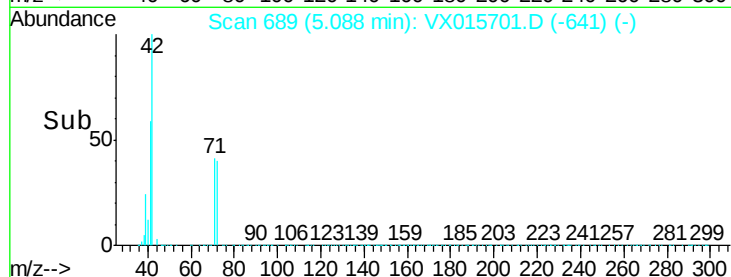
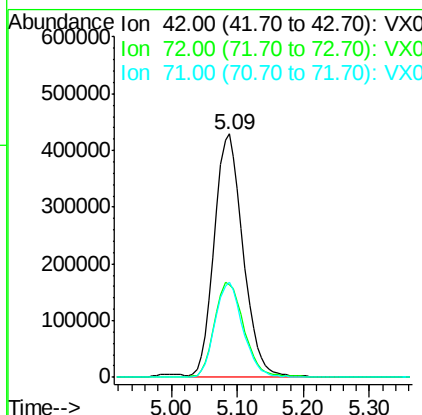
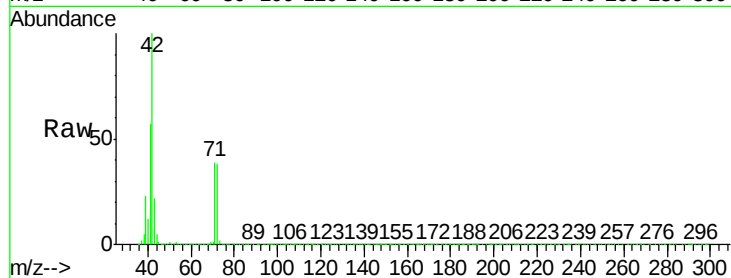
#29
Tetrahydrofuran
Concen: 198.088 ug/l
RT: 5.09 min Scan# 689
Delta R.T. -0.01 min
Lab File: VX015701.D
Acq: 16 Apr 2020 10:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	42	Resp:	1293033
Ion	Ratio	Lower	Upper
42	100		
72	40.2	31.7	47.5
71	38.1	29.6	44.4

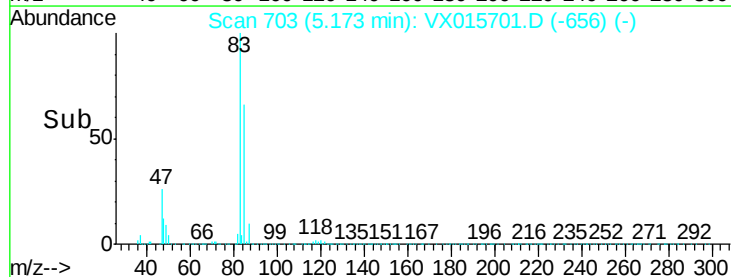
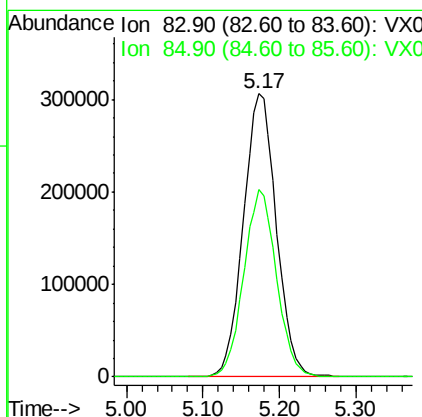
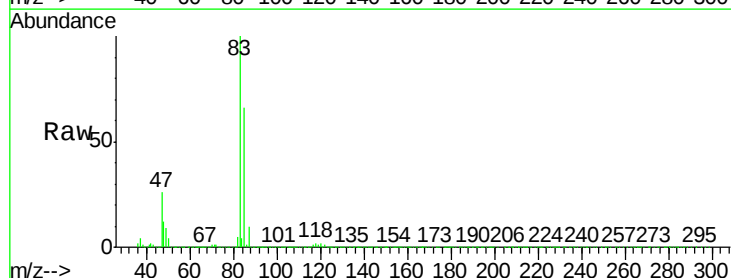
Manual Integrations
APPROVED

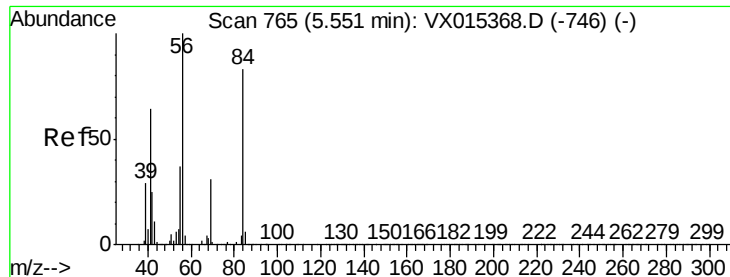
MMDadoda
4/17/2020 11:55:25 AM



#30
Chloroform
Concen: 44.383 ug/l
RT: 5.17 min Scan# 703
Delta R.T. -0.01 min
Lab File: VX015701.D
Acq: 16 Apr 2020 10:23

Tgt Ion:	83	Resp:	915726
Ion	Ratio	Lower	Upper
83	100		
85	66.2	49.5	74.3





#31

Cyclohexane

Concen: 45.035 ug/l

RT: 5.54 min Scan# 764

Delta R.T. -0.01 min

Lab File: VX015701.D

Acq: 16 Apr 2020 10:23

Instrument :

MSVOA_X

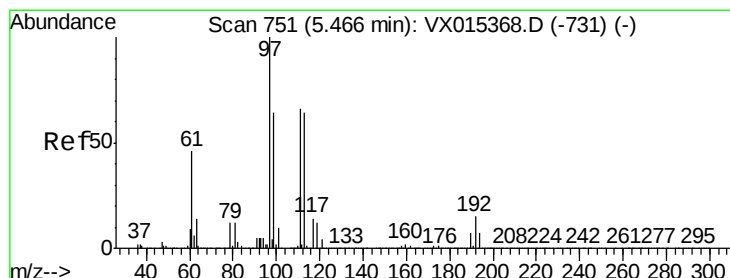
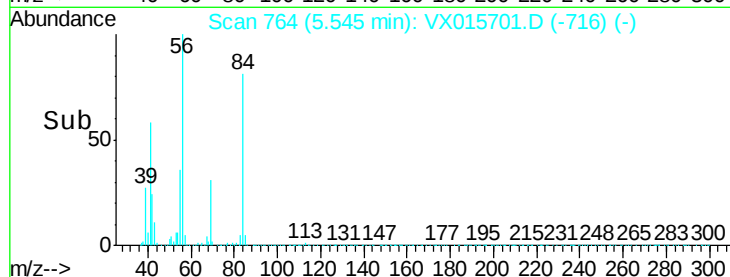
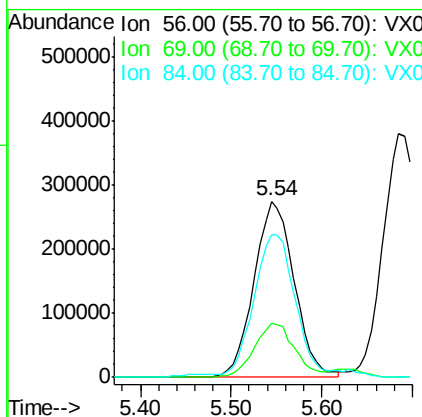
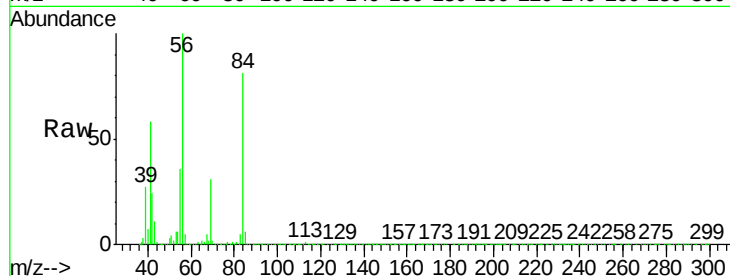
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	837808
Ion Ratio	Lower	Upper	
56	100		
69	30.7	24.6	36.8
84	79.4	66.1	99.1

Manual Integrations
APPROVED

MMDadoda
4/17/2020 11:55:25 AM



#32

1,1,1-Trichloroethane

Concen: 44.895 ug/l

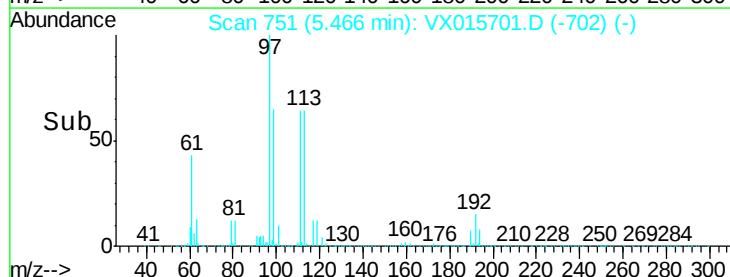
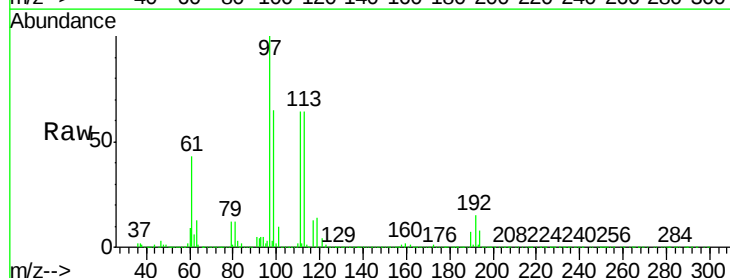
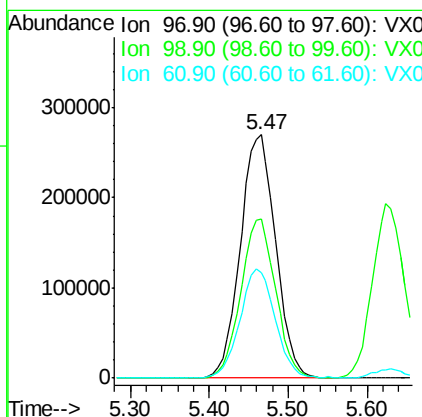
RT: 5.47 min Scan# 751

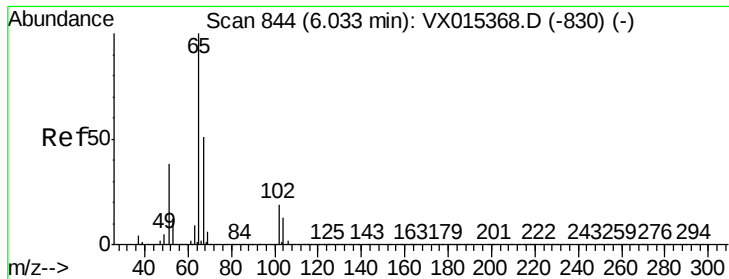
Delta R.T. -0.00 min

Lab File: VX015701.D

Acq: 16 Apr 2020 10:23

Tgt Ion:	97	Resp:	838277
Ion Ratio	Lower	Upper	
97	100		
99	64.5	51.0	76.4
61	44.4	36.1	54.1





#33

1,2-Dichloroethane-d4

Concen: 43.611 ug/l

RT: 6.03 min Scan# 843

Delta R.T. -0.01 min

Lab File: VX015701.D

Acq: 16 Apr 2020 10:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 640907

Ion Ratio Lower Upper

65 100

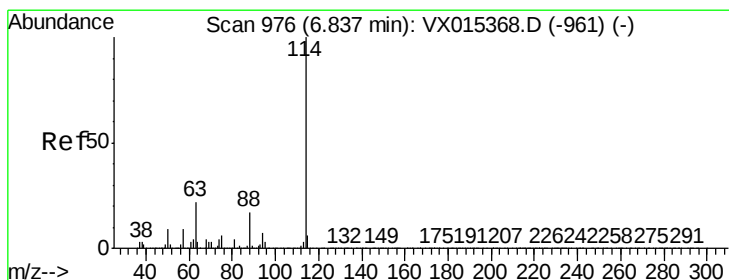
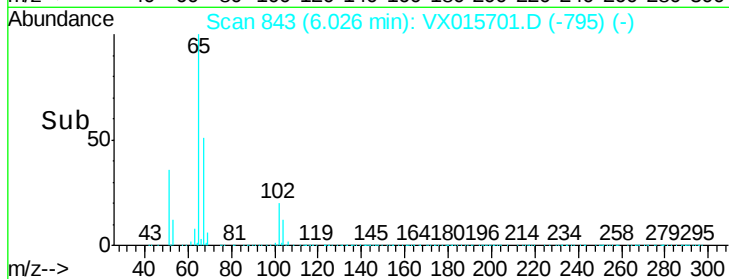
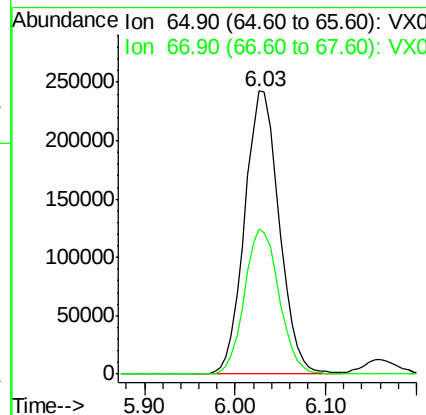
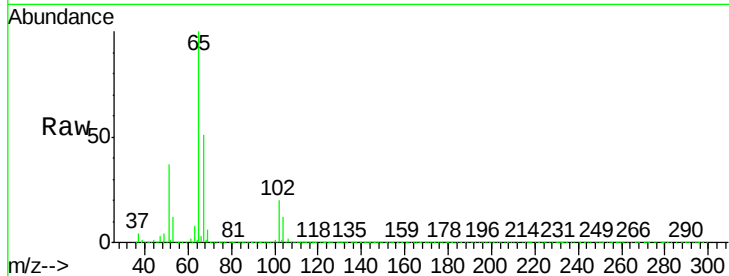
67 51.2 0.0 102.6

Manual Integrations

APPROVED

MMDadoda

4/17/2020 11:55:25 AM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 975

Delta R.T. -0.01 min

Lab File: VX015701.D

Acq: 16 Apr 2020 10:23

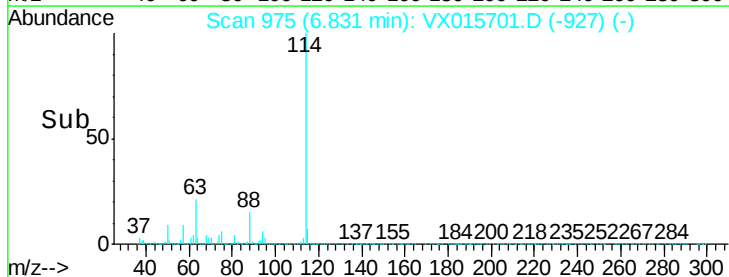
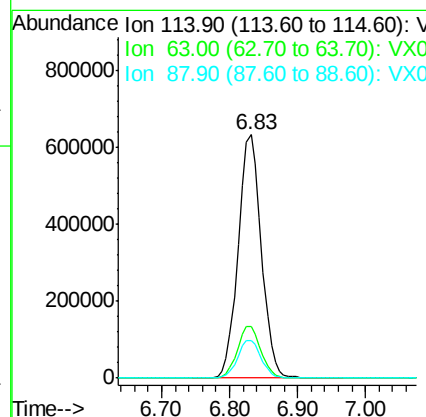
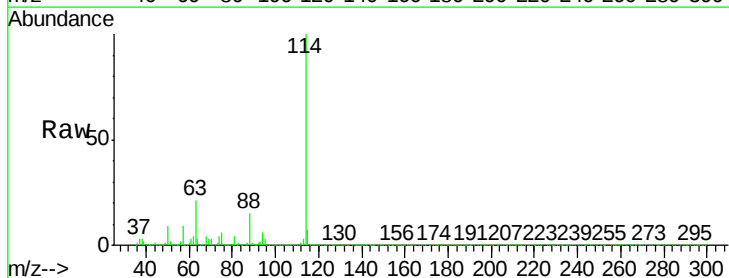
Tgt Ion: 114 Resp: 1494284

Ion Ratio Lower Upper

114 100

63 21.4 0.0 44.2

88 15.4 0.0 33.8





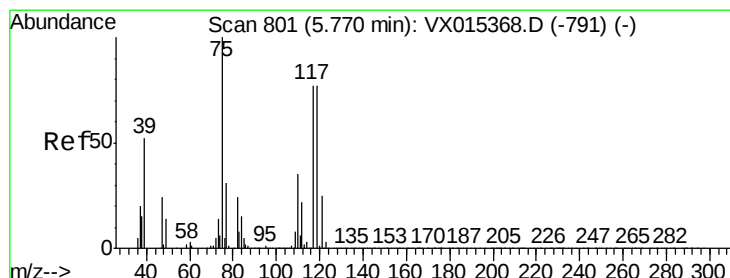
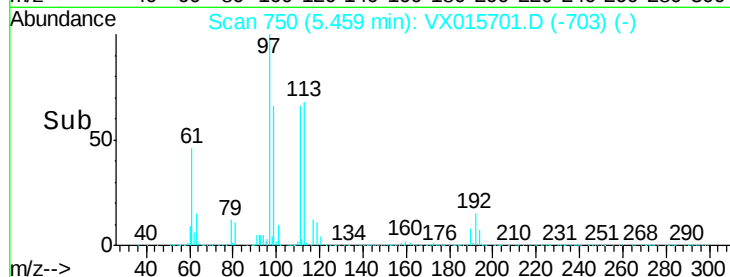
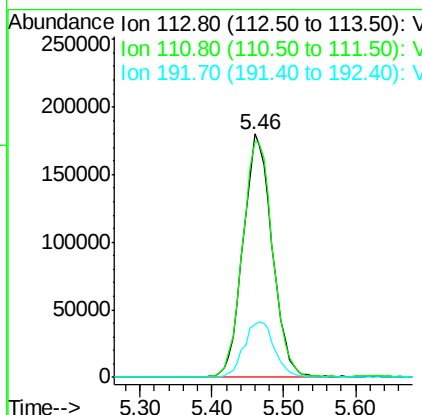
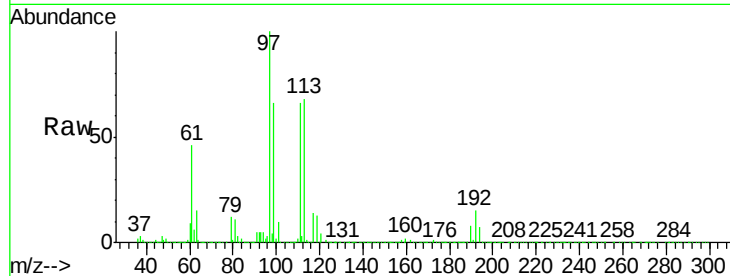
#35
 Dibromofluoromethane
 Concen: 52.868 ug/l
 RT: 5.46 min Scan# 750
 Delta R.T. -0.01 min
 Lab File: VX015701.D
 Acq: 16 Apr 2020 10:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	504990		
111	100.6	81.5	122.3	
192	23.8	17.8	26.6	

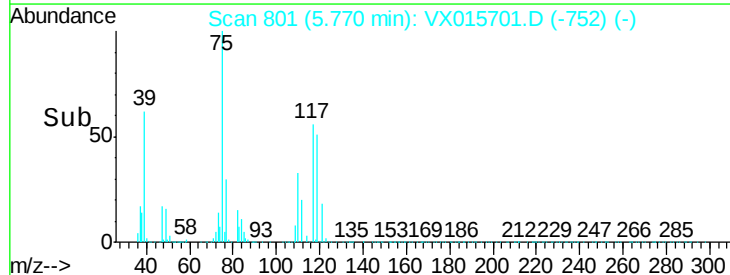
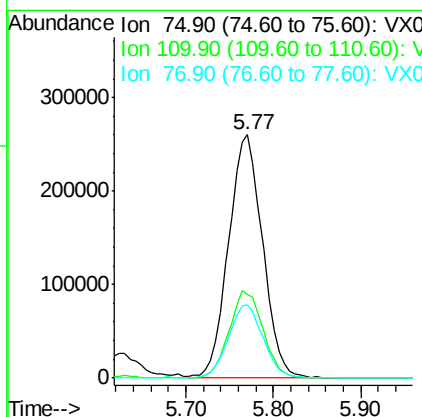
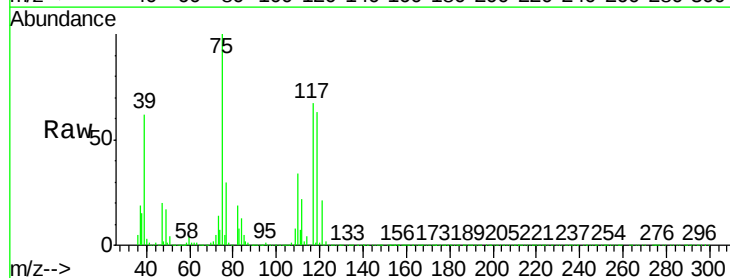
Manual Integrations
 APPROVED

MMDadoda
 4/17/2020 11:55:25 AM



#36
 1,1-Dichloropropene
 Concen: 50.675 ug/l
 RT: 5.77 min Scan# 801
 Delta R.T. -0.00 min
 Lab File: VX015701.D
 Acq: 16 Apr 2020 10:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	697701		
110	35.8	17.1	51.3	
77	30.6	24.6	36.8	





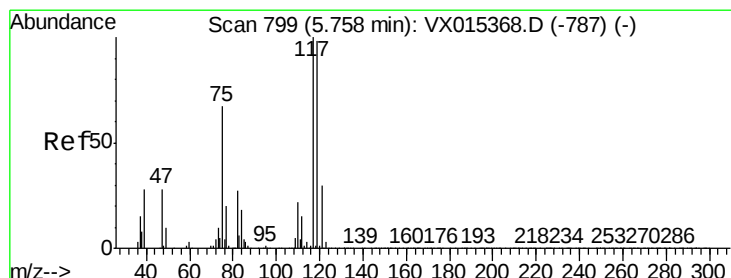
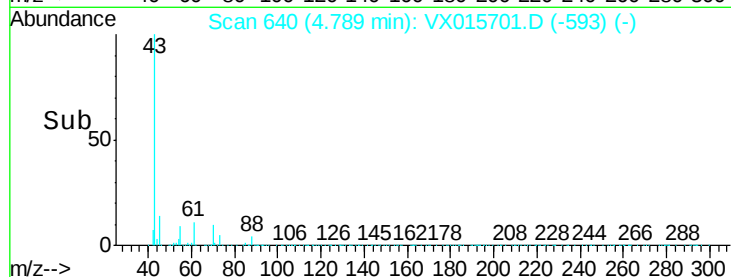
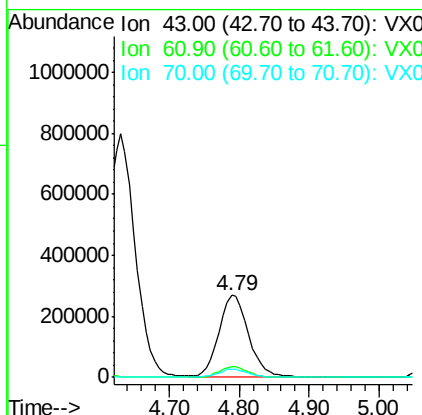
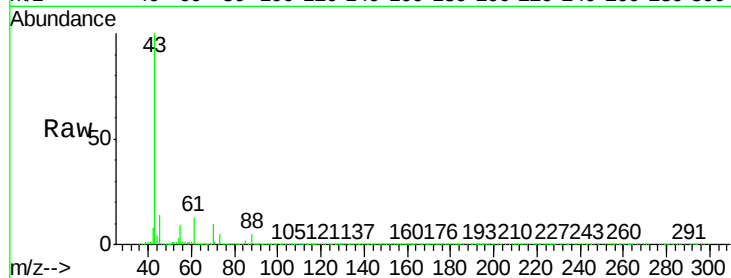
#37
Ethyl Acetate
Concen: 44.093 ug/l
RT: 4.79 min Scan# 640
Delta R.T. -0.01 min
Lab File: VX015701.D
Acq: 16 Apr 2020 10:23

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.4	9.9	14.9
70	9.8	8.1	12.1

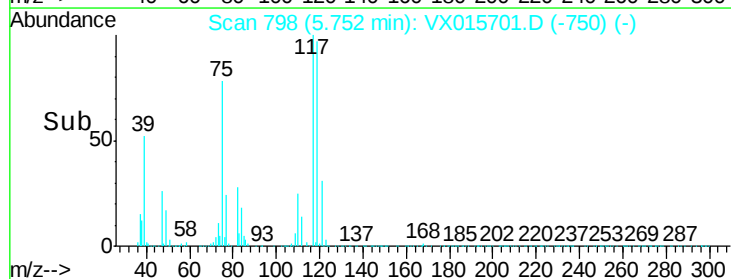
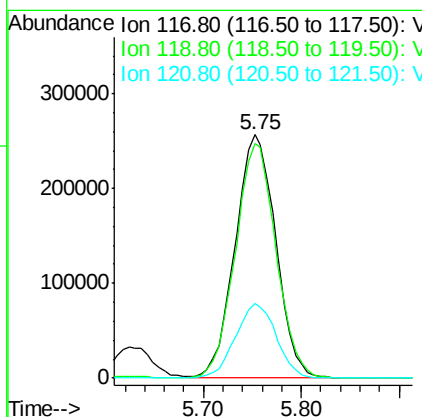
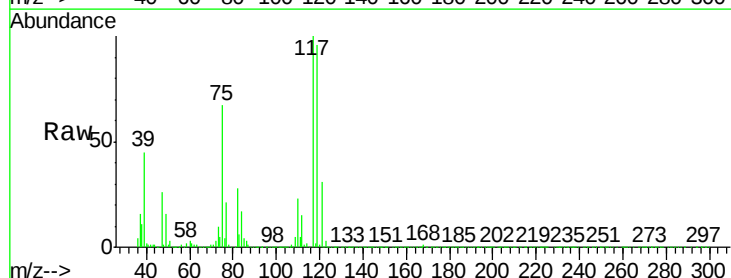
Manual Integrations
APPROVED

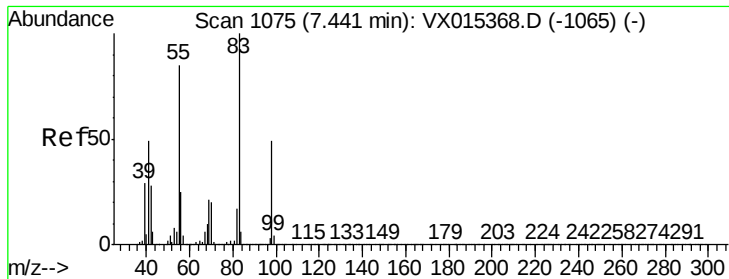
MMDadoda
4/17/2020 11:55:25 AM



#38
Carbon Tetrachloride
Concen: 49.581 ug/l
RT: 5.75 min Scan# 798
Delta R.T. -0.01 min
Lab File: VX015701.D
Acq: 16 Apr 2020 10:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	78.0	117.0
121	30.6	23.8	35.8





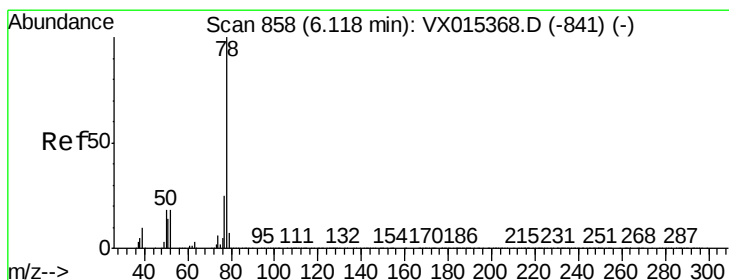
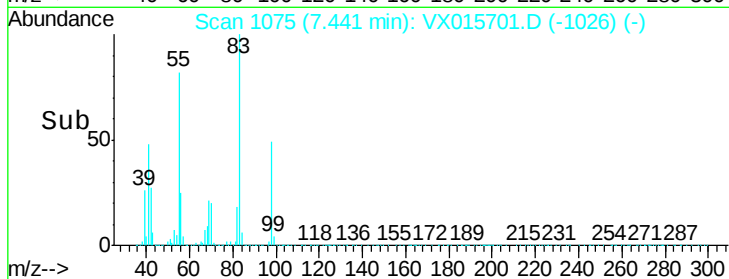
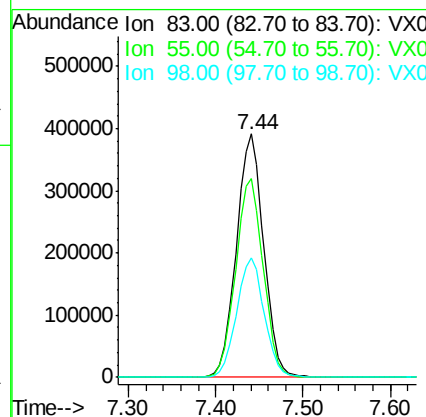
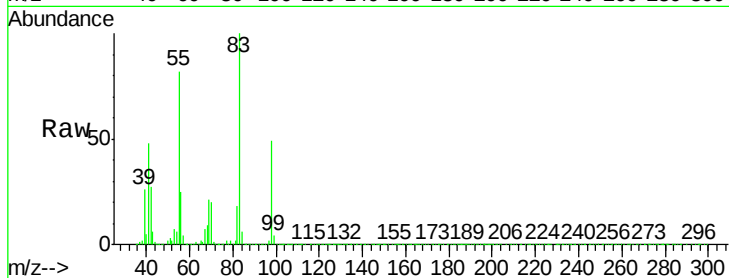
#39
Methvlcvclohexane
Concen: 53.337 ug/l
RT: 7.44 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VX015701.D
Acq: 16 Apr 2020 10:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.5	67.8	101.6
98	48.8	39.3	58.9

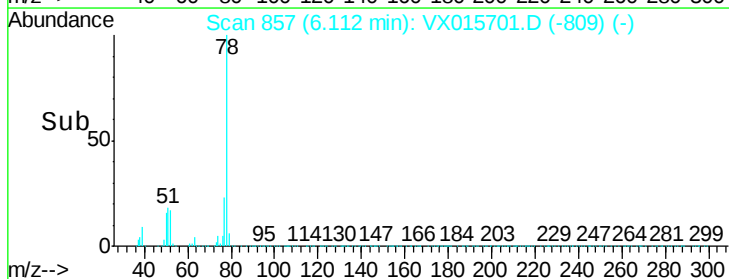
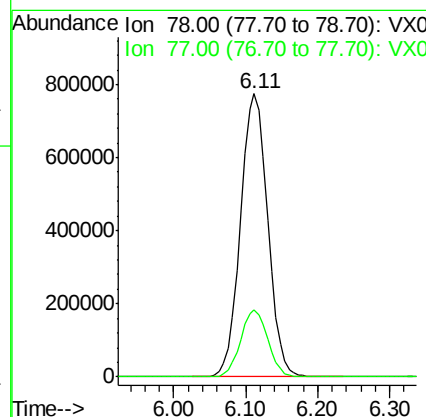
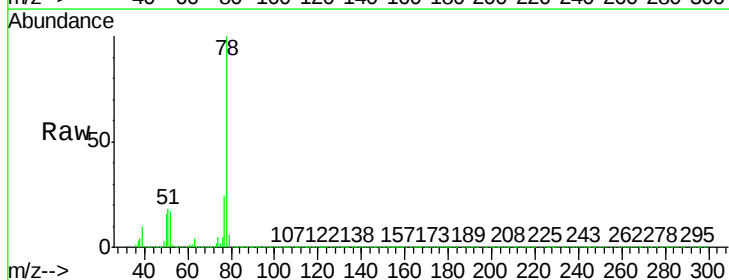
Manual Integrations
APPROVED

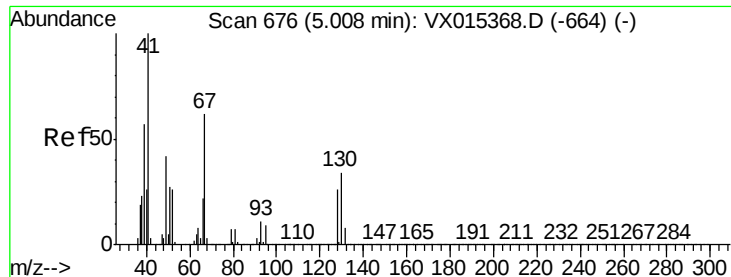
MMDadoda
4/17/2020 11:55:25 AM



#40
Benzene
Concen: 50.477 ug/l
RT: 6.11 min Scan# 857
Delta R.T. -0.01 min
Lab File: VX015701.D
Acq: 16 Apr 2020 10:23

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.8	29.8





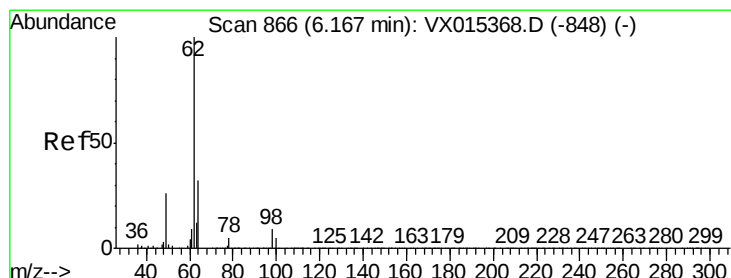
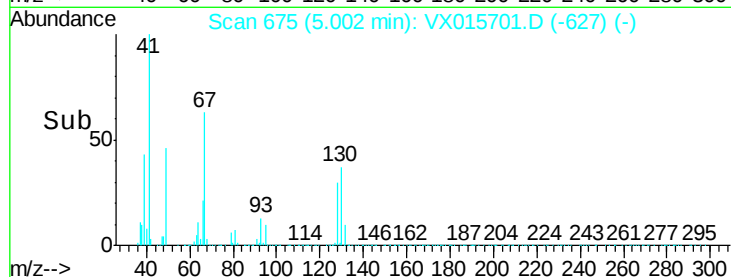
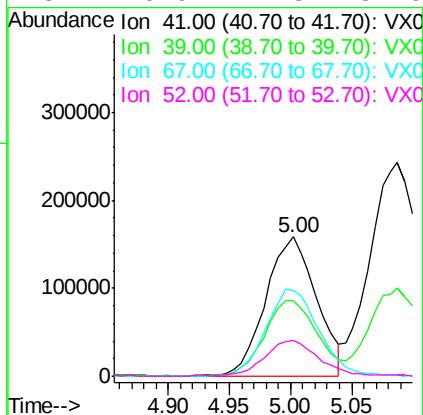
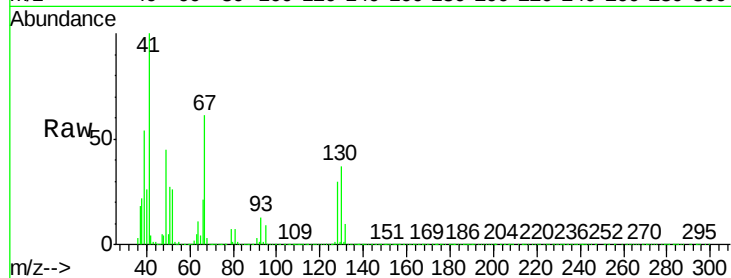
#41
Methacrylonitrile
Concen: 45.784 ug/l
RT: 5.00 min Scan# 675
Delta R.T. -0.01 min
Lab File: VX015701.D
Acq: 16 Apr 2020 10:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		455625		
39	57.5	44.5	66.7		
67	64.9	48.9	73.3		
52	26.9	21.8	32.6		

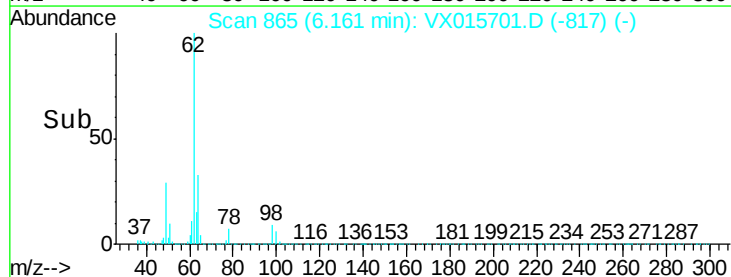
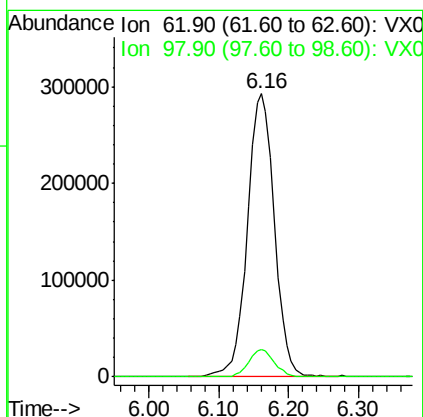
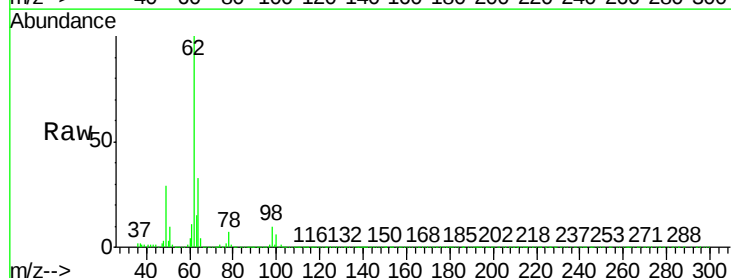
Manual Integrations
APPROVED

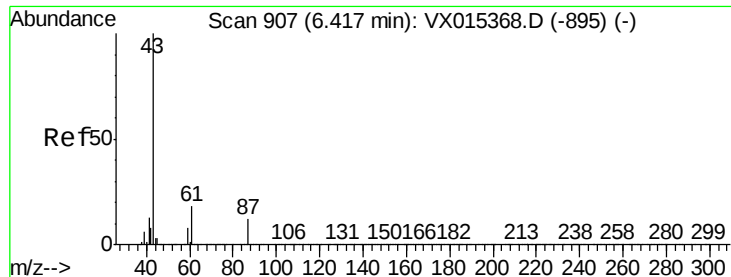
MMDadoda
4/17/2020 11:55:25 AM



#42
1,2-Dichloroethane
Concen: 48.151 ug/l
RT: 6.16 min Scan# 865
Delta R.T. -0.01 min
Lab File: VX015701.D
Acq: 16 Apr 2020 10:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		780053		
98	9.2	0.0	17.6		





#43

Isopropyl Acetate

Concen: 45.668 ug/l

RT: 6.41 min Scan# 906

Delta R.T. -0.01 min

Lab File: VX015701.D

Acq: 16 Apr 2020 10:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1382051

Ion Ratio Lower Upper

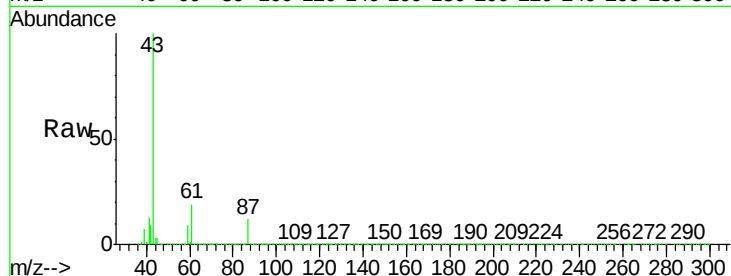
43 100

61 18.9 14.8 22.2

87 12.1 9.4 14.0

Manual Integrations
APPROVED

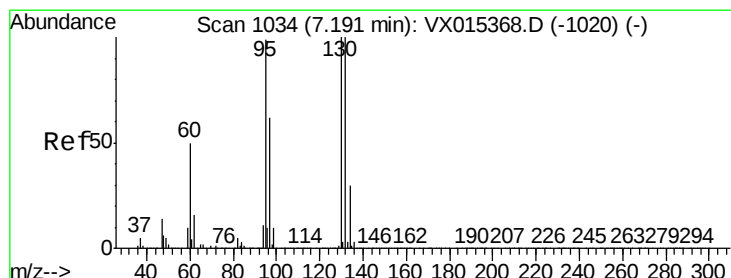
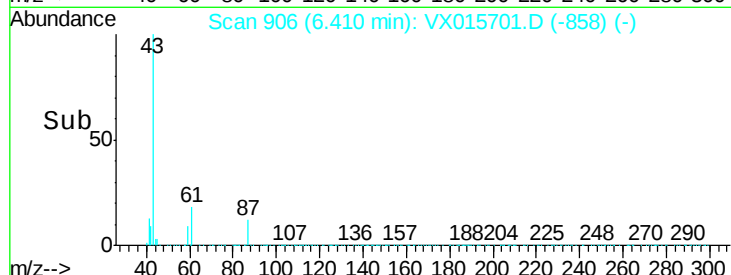
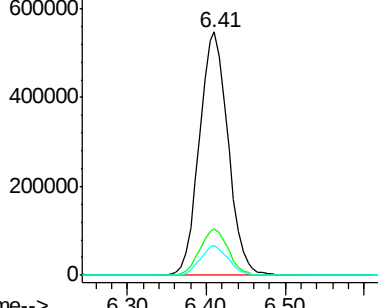
MMDadoda
4/17/2020 11:55:25 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 53.791 ug/l

RT: 7.18 min Scan# 1033

Delta R.T. -0.01 min

Lab File: VX015701.D

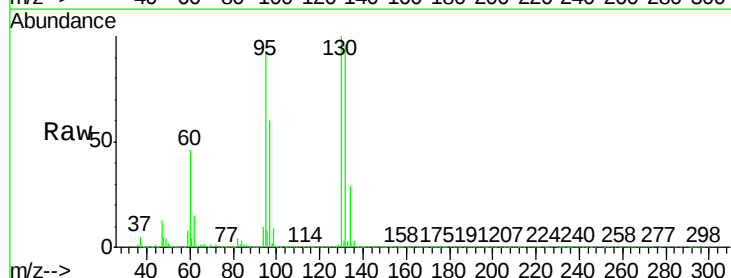
Acq: 16 Apr 2020 10:23

Tgt Ion:130 Resp: 591655

Ion Ratio Lower Upper

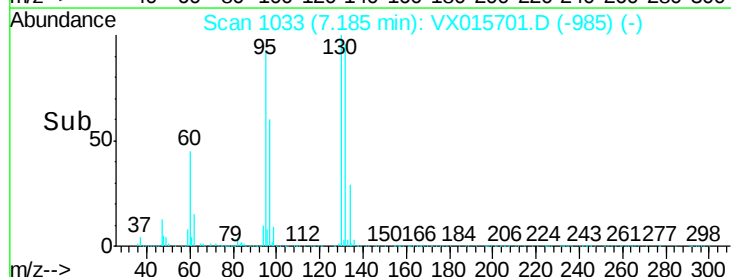
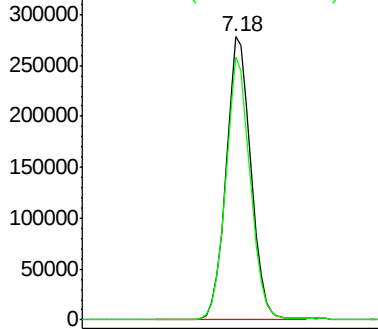
130 100

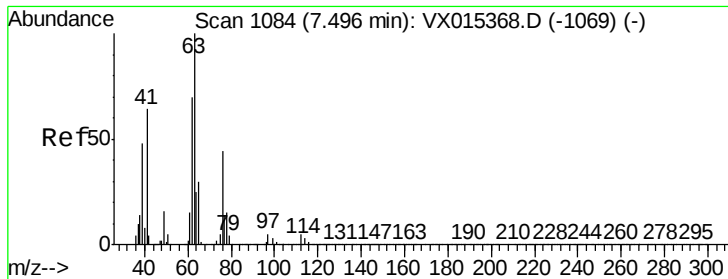
95 92.7 0.0 199.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 49.625 ug/l

RT: 7.49 min Scan# 1083

Delta R.T. -0.01 min

Lab File: VX015701.D

Acq: 16 Apr 2020 10:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 547511

Ion Ratio Lower Upper

63 100

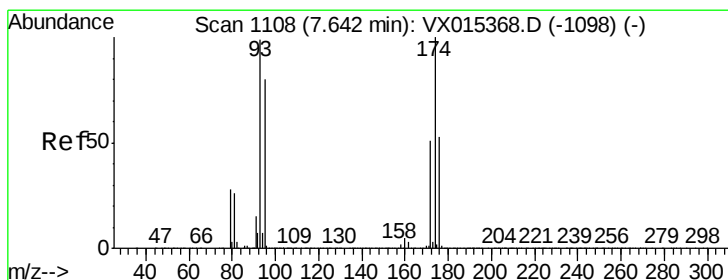
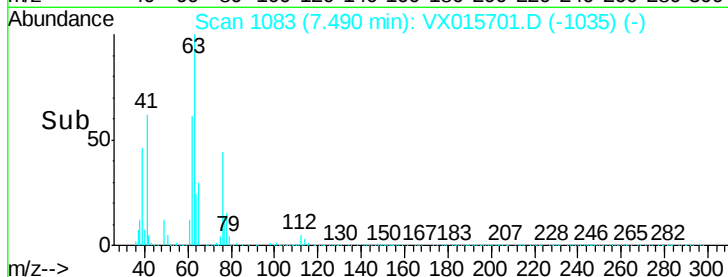
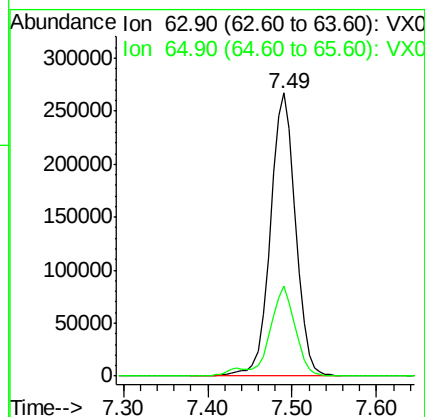
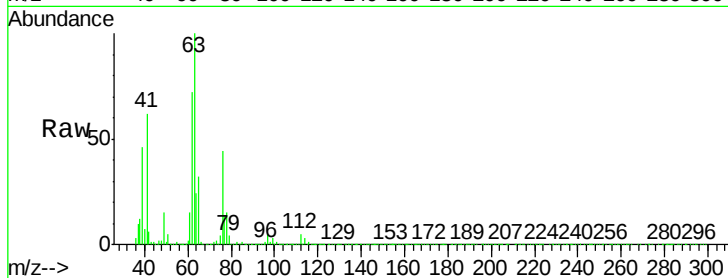
65 31.6 23.9 35.9

Manual Integrations

APPROVED

MMDadoda

4/17/2020 11:55:25 AM



#46

Dibromomethane

Concen: 49.609 ug/l

RT: 7.64 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VX015701.D

Acq: 16 Apr 2020 10:23

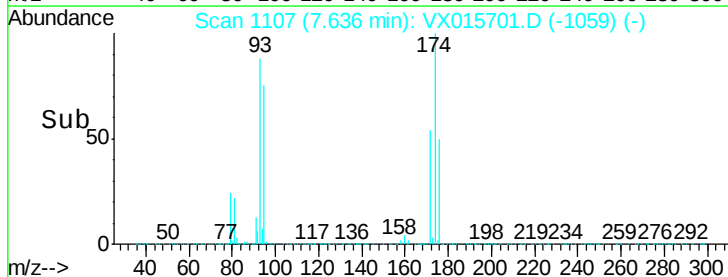
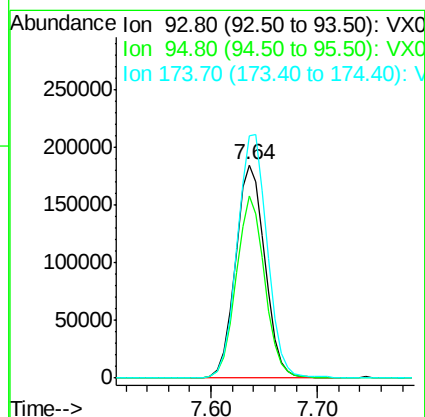
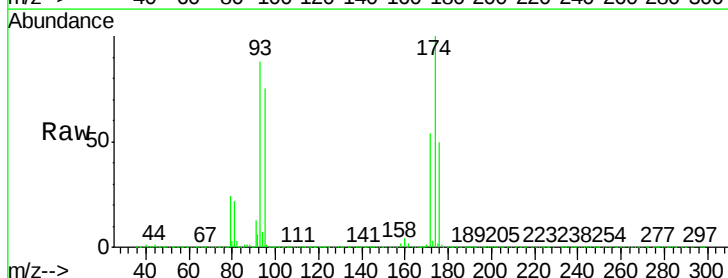
Tgt Ion: 93 Resp: 359038

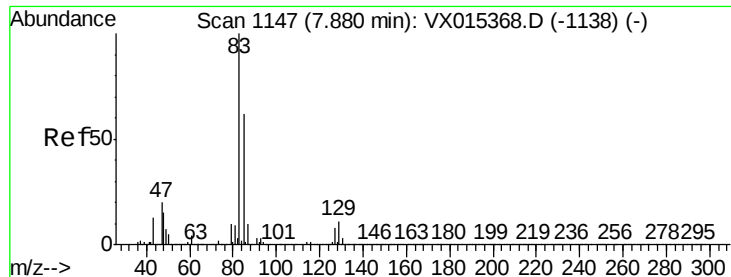
Ion Ratio Lower Upper

93 100

95 82.5 65.8 98.8

174 116.1 86.2 129.2





#47

Bromodichloromethane

Concen: 49.085 ug/l

RT: 7.87 min Scan# 1146

Delta R.T. -0.01 min

Lab File: VX015701.D

Acq: 16 Apr 2020 10:23

Instrument :

MSVOA_X

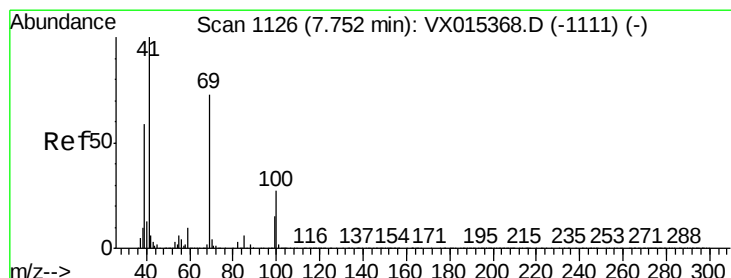
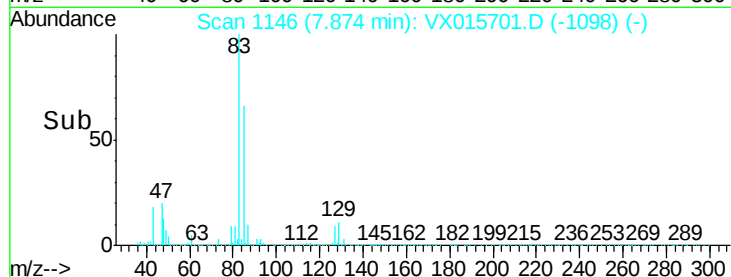
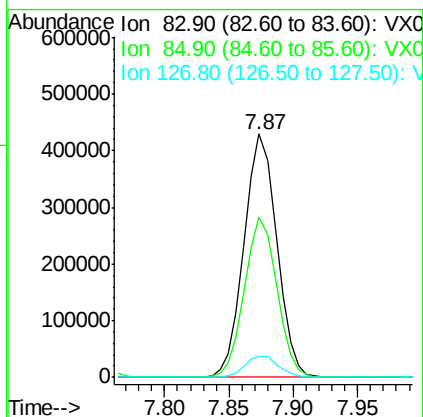
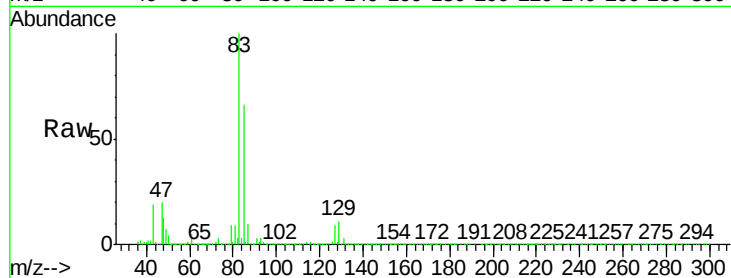
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	756960
Ion Ratio	Lower	Upper	
83	100		
85	65.5	49.7	74.5
127	8.7	6.7	10.1

Manual Integrations
APPROVED

MMDadoda
4/17/2020 11:55:25 AM



#48

Methyl methacrylate

Concen: 45.361 ug/l

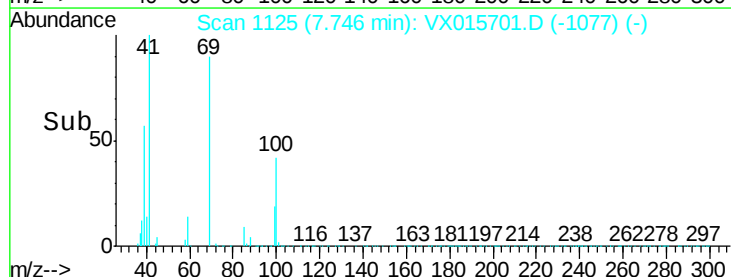
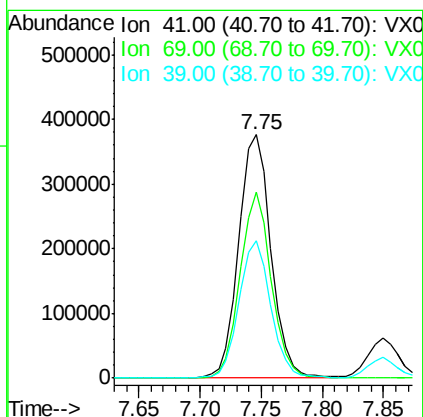
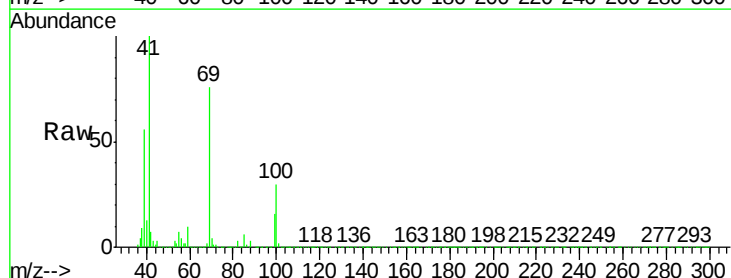
RT: 7.75 min Scan# 1125

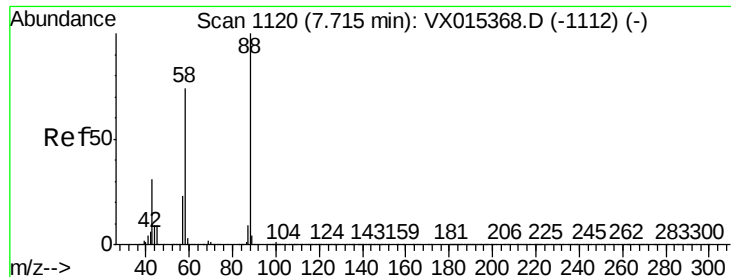
Delta R.T. -0.01 min

Lab File: VX015701.D

Acq: 16 Apr 2020 10:23

Tgt Ion:	41	Resp:	685669
Ion Ratio	Lower	Upper	
41	100		
69	74.2	56.7	85.1
39	55.5	46.5	69.7





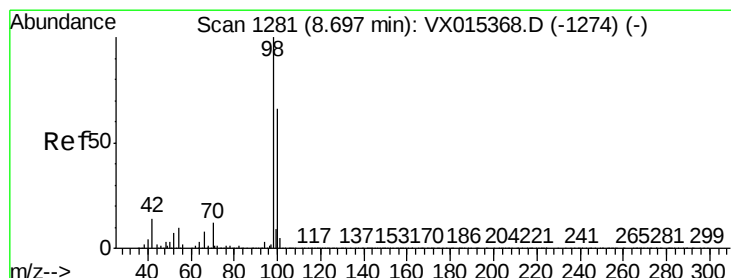
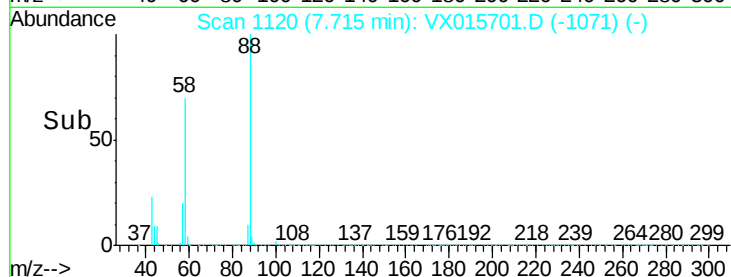
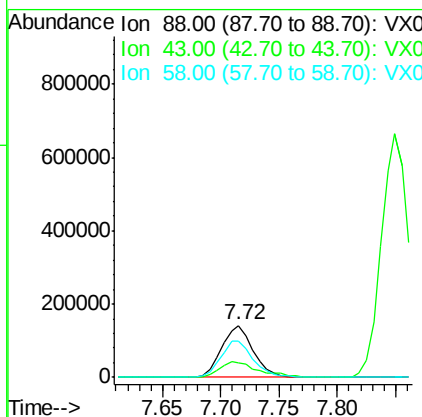
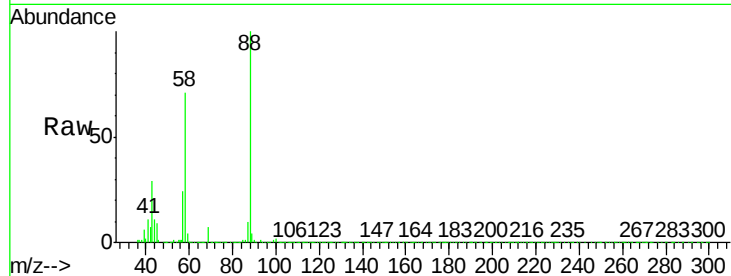
#49
1,4-Dioxane
Concen: 922.983 ug/l
RT: 7.72 min Scan# 1120
Delta R.T. -0.00 min
Lab File: VX015701.D
Acq: 16 Apr 2020 10:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	88	Resp:	260270
Ion Ratio	Lower	Upper	
88	100		
43	36.0	30.1	45.1
58	73.2	60.6	90.8

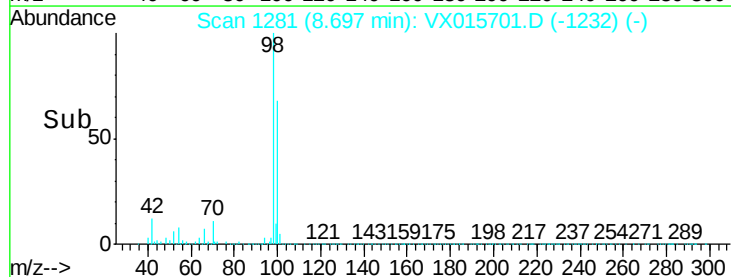
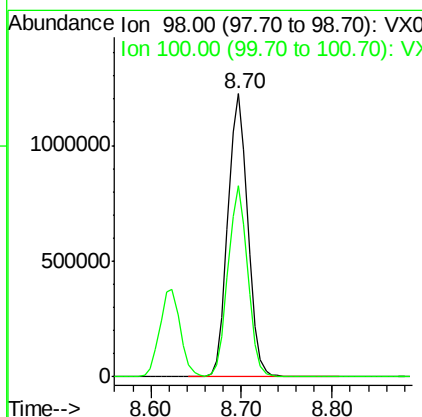
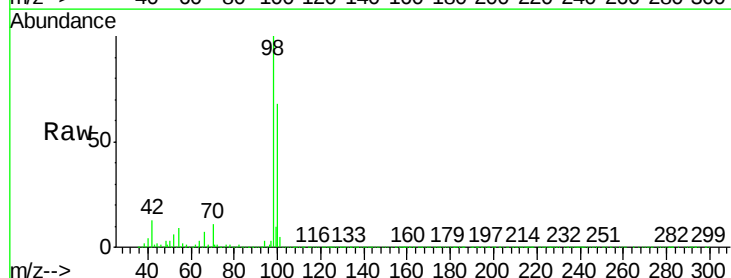
Manual Integrations
APPROVED

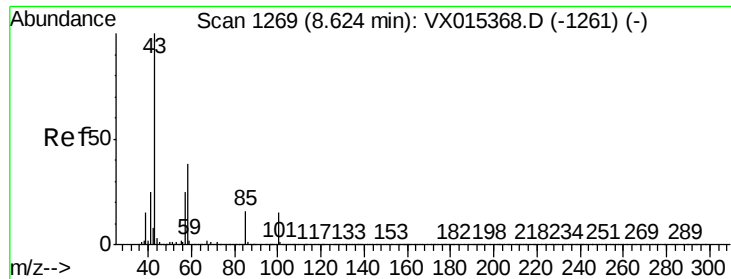
MMDadoda
4/17/2020 11:55:25 AM



#50
Toluene-d8
Concen: 53.236 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. -0.00 min
Lab File: VX015701.D
Acq: 16 Apr 2020 10:23

Tgt Ion:	98	Resp:	1872167
Ion Ratio	Lower	Upper	
98	100		
100	66.6	53.5	80.3





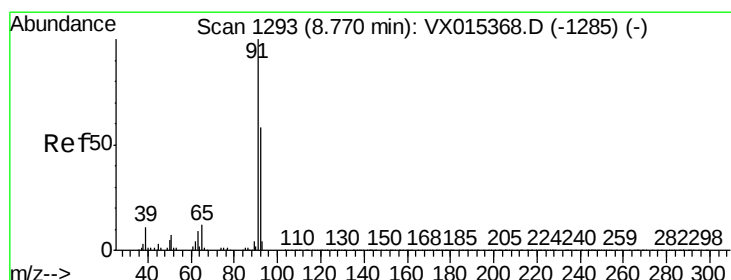
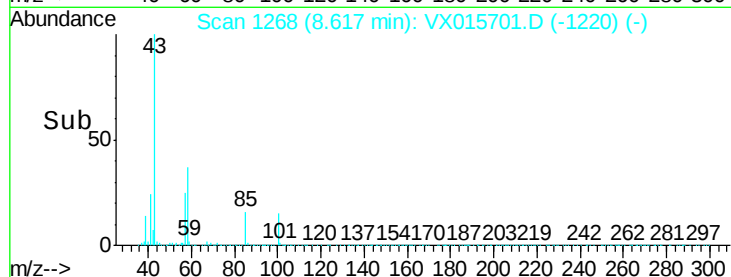
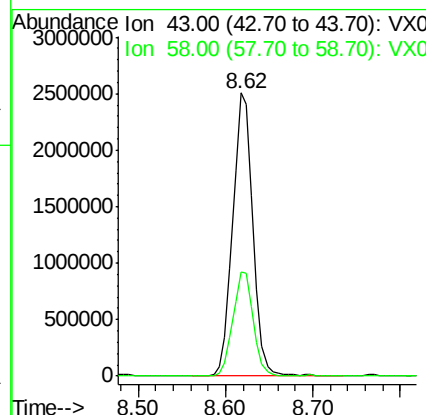
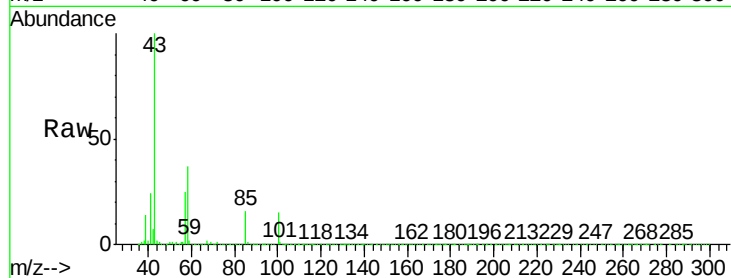
#51
4-Methyl-2-Pentanone
Concen: 234.284 ug/l
RT: 8.62 min Scan# 1268
Delta R.T. -0.01 min
Lab File: VX015701.D
Acq: 16 Apr 2020 10:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 4018113
Ion Ratio Lower Upper
43 100
58 37.1 29.7 44.5

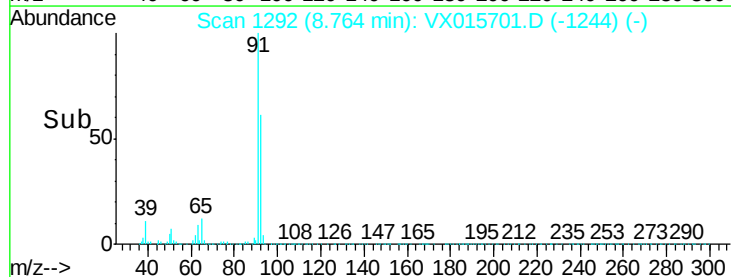
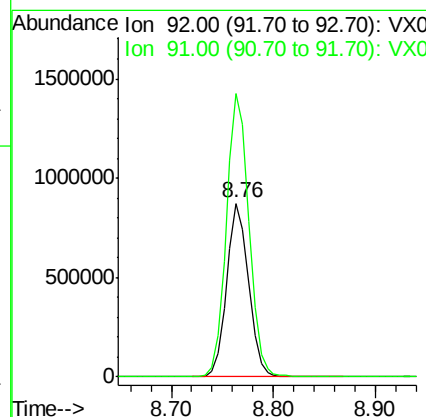
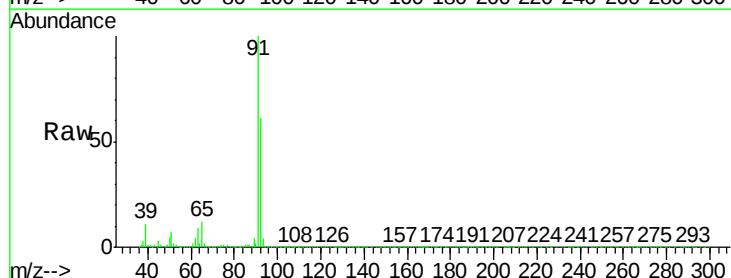
Manual Integrations
APPROVED

MMDadoda
4/17/2020 11:55:25 AM



#52
Toluene
Concen: 52.316 ug/l
RT: 8.76 min Scan# 1292
Delta R.T. -0.01 min
Lab File: VX015701.D
Acq: 16 Apr 2020 10:23

Tgt Ion: 92 Resp: 1300824
Ion Ratio Lower Upper
92 100
91 167.5 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 48.029 ug/l

RT: 9.02 min Scan# 1334

Delta R.T. -0.01 min

Lab File: VX015701.D

Acq: 16 Apr 2020 10:23

Tot Ion: 75 Resp: 868675

Ion Ratio Lower Upper

75 100

77 31.2 24.1 36.1

Instrument :

MSVOA_X

ClientSampleId :

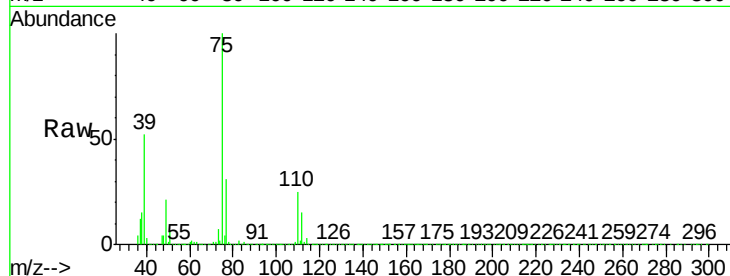
VSTDCCC050

Manual Integrations

APPROVED

MMDadoda

4/17/2020 11:55:25 AM



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.02

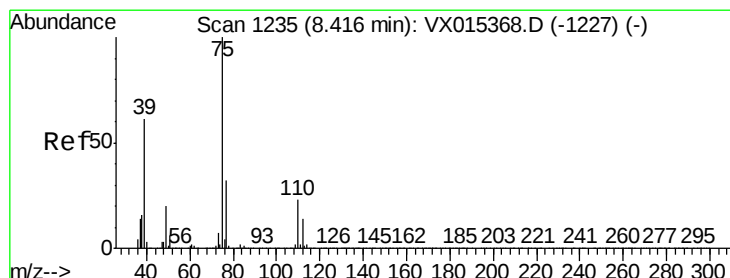
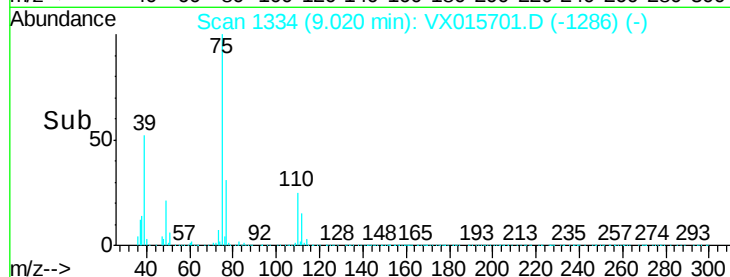
600000

400000

200000

0

Time--> 8.90 9.00 9.10 9.20



#54

cis-1,3-Dichloropropene

Concen: 49.899 ug/l

RT: 8.42 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VX015701.D

Acq: 16 Apr 2020 10:23

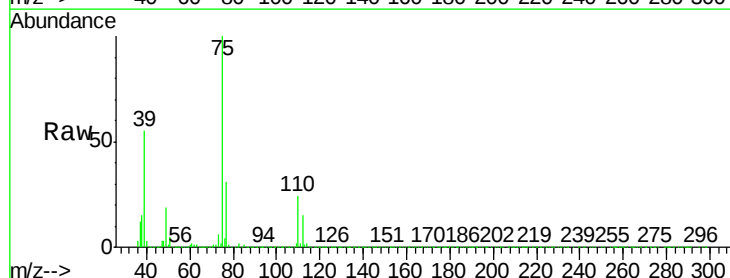
Tgt Ion: 75 Resp: 919339

Ion Ratio Lower Upper

75 100

77 31.2 25.8 38.6

39 54.8 49.0 73.4



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

8.42

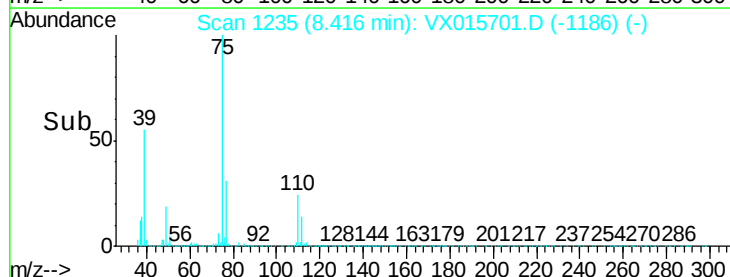
600000

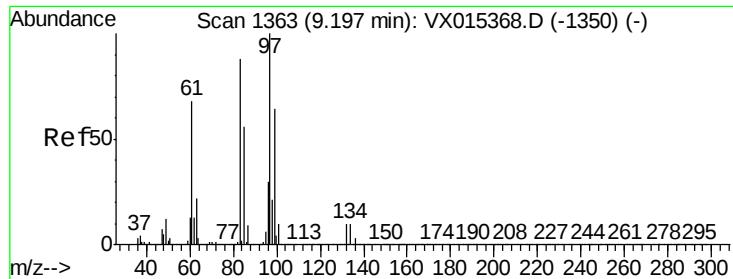
400000

200000

0

Time--> 8.30 8.35 8.40 8.45 8.50





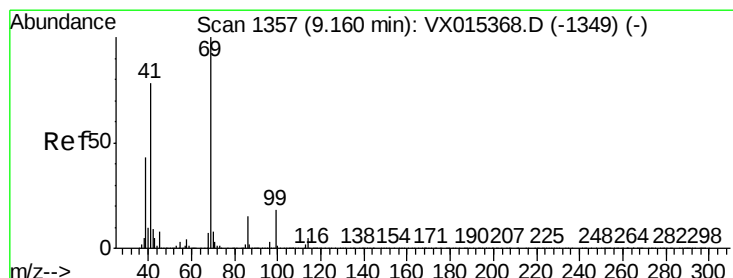
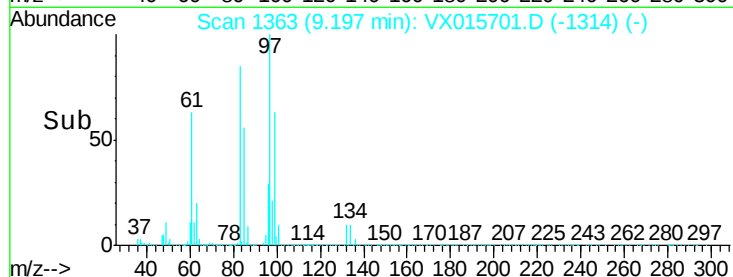
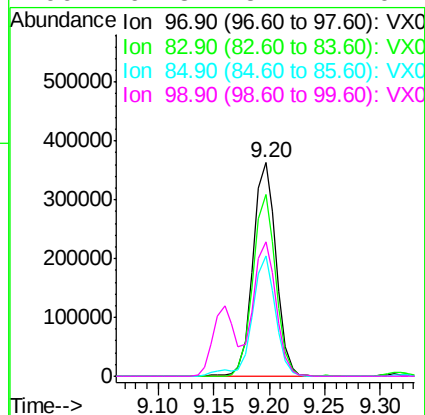
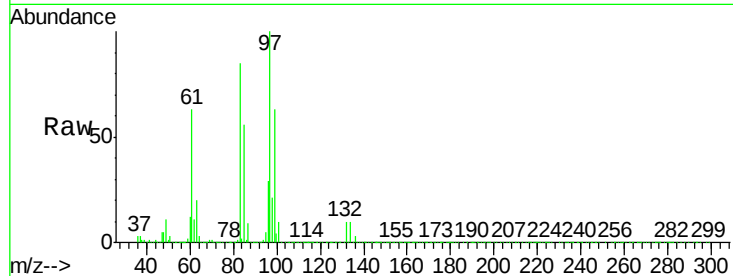
#55
 1,1,2-Trichloroethane
 Concen: 51.503 ug/l
 RT: 9.20 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VX015701.D
 Acq: 16 Apr 2020 10:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		524674		
83	85.1	70.2	105.4		
85	56.1	44.7	67.1		
99	62.8	51.1	76.7		

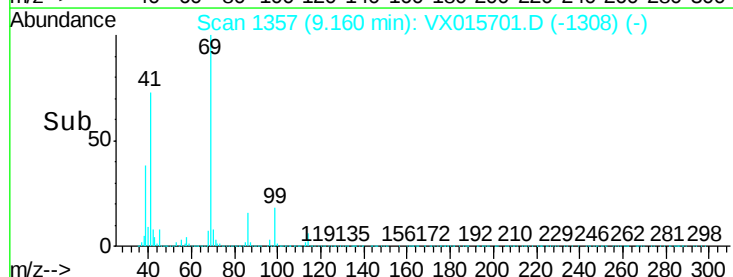
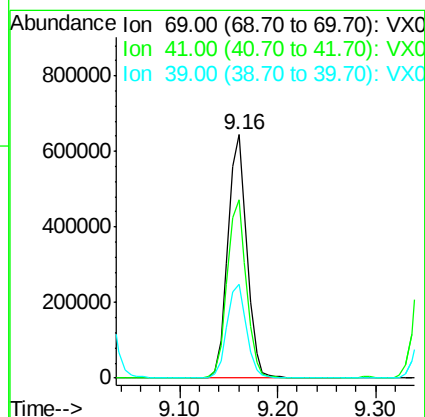
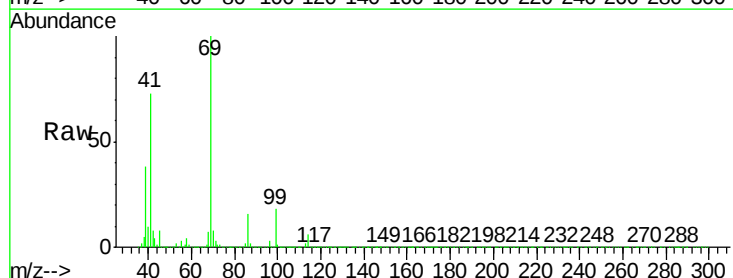
Manual Integrations
 APPROVED

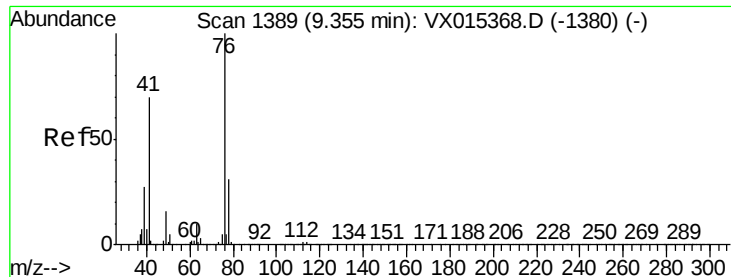
MMDadoda
 4/17/2020 11:55:25 AM



#56
 Ethyl methacrylate
 Concen: 48.294 ug/l
 RT: 9.16 min Scan# 1357
 Delta R.T. -0.00 min
 Lab File: VX015701.D
 Acq: 16 Apr 2020 10:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		867052		
41	74.0	61.6	92.4		
39	39.3	34.0	51.0		





#57

1,3-Dichloropropane

Concen: 49.329 ug/l

RT: 9.35 min Scan# 1388

Delta R.T. -0.01 min

Lab File: VX015701.D

Acq: 16 Apr 2020 10:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 905404

Ion Ratio Lower Upper

76 100

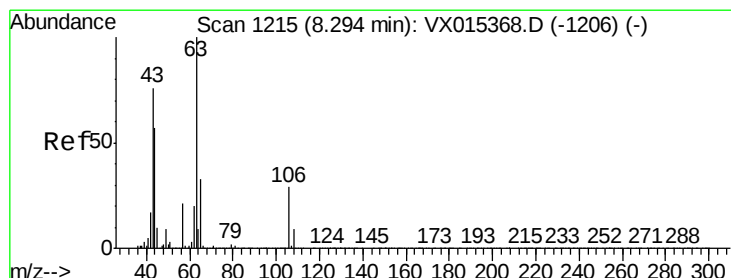
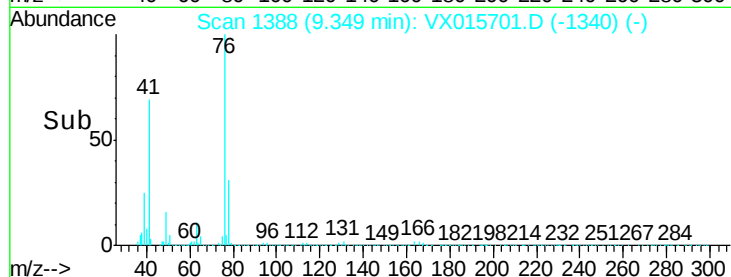
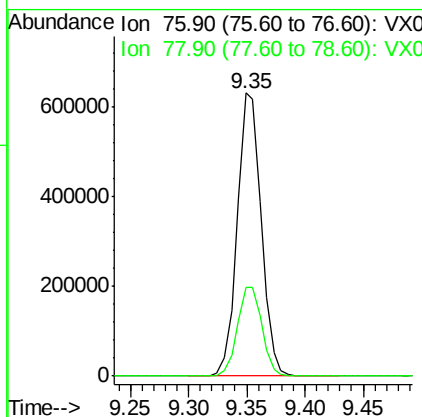
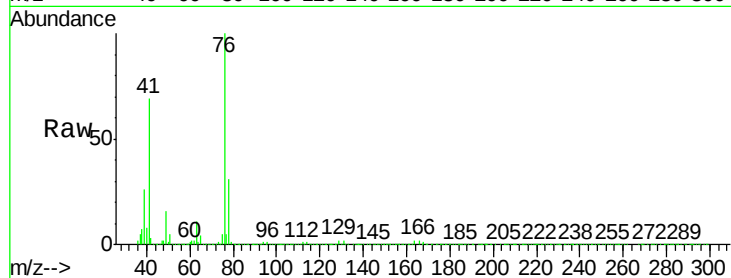
78 32.1 25.8 38.8

Manual Integrations

APPROVED

MMDadoda

4/17/2020 11:55:25 AM



#58

2-Chloroethyl Vinyl ether

Concen: 251.043 ug/l

RT: 8.29 min Scan# 1214

Delta R.T. -0.01 min

Lab File: VX015701.D

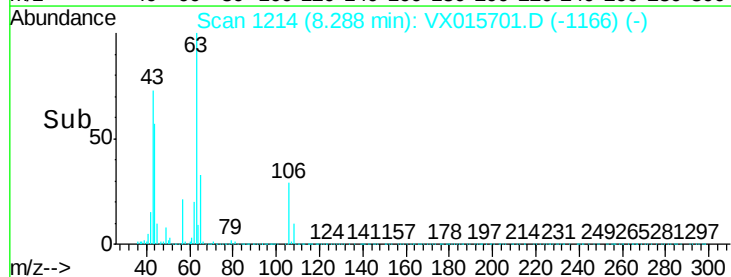
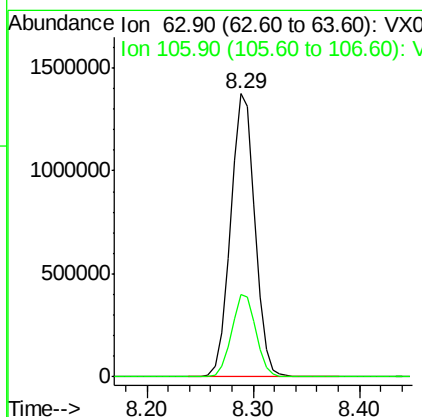
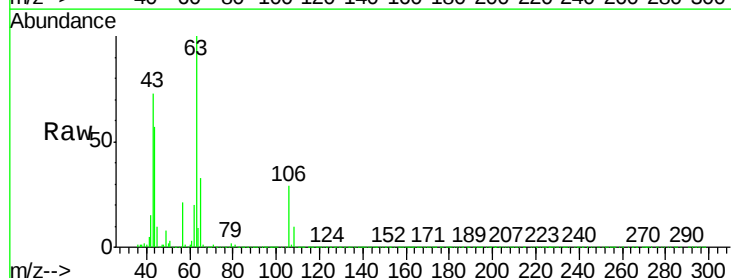
Acq: 16 Apr 2020 10:23

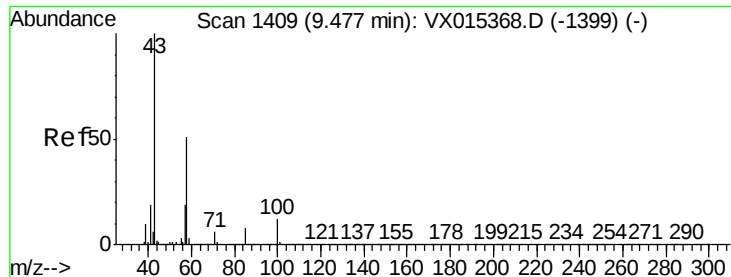
Tgt Ion: 63 Resp: 2192310

Ion Ratio Lower Upper

63 100

106 29.1 22.7 34.1





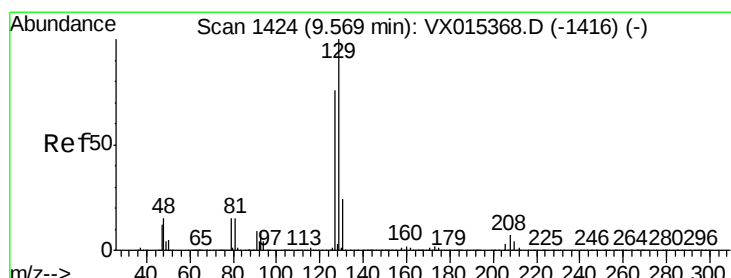
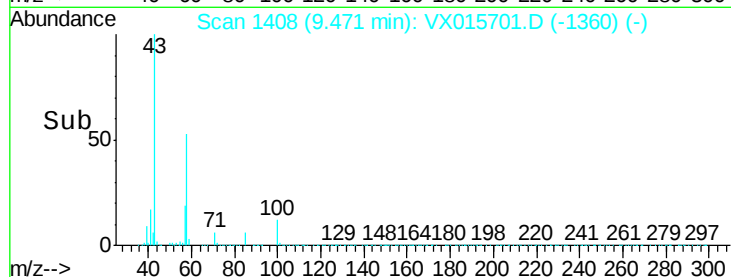
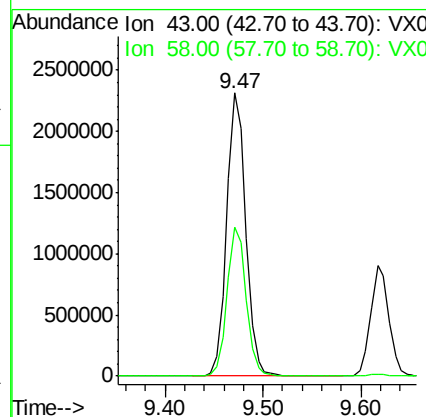
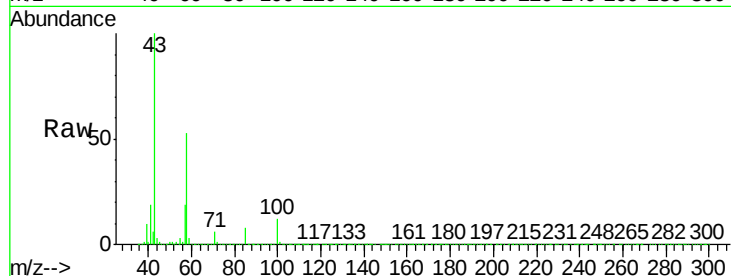
#59
2-Hexanone
Concen: 241.029 ug/l
RT: 9.47 min Scan# 1408
Delta R.T. -0.01 min
Lab File: VX015701.D
Acq: 16 Apr 2020 10:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 3120924
Ion Ratio Lower Upper
43 100
58 52.6 25.6 76.6

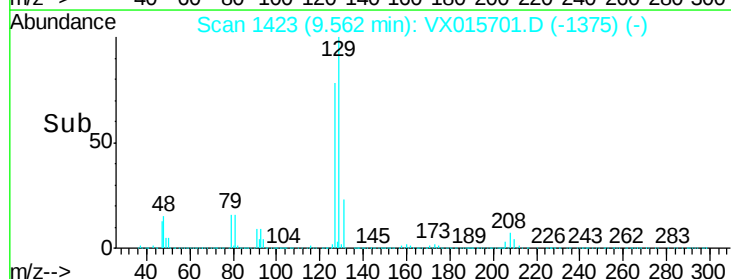
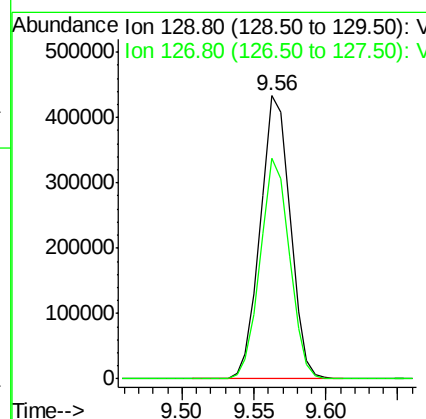
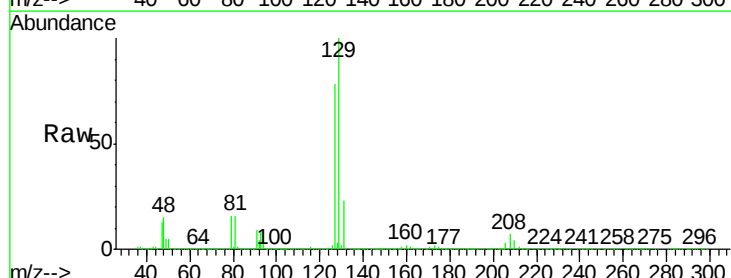
Manual Integrations
APPROVED

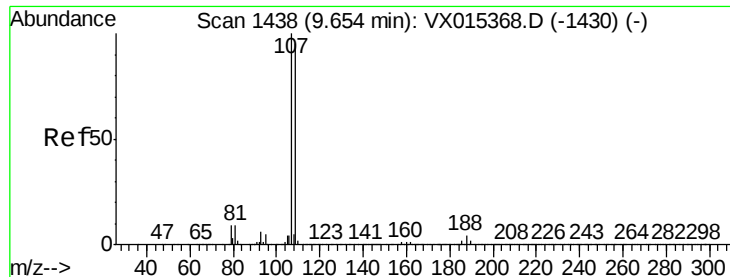
MMDadoda
4/17/2020 11:55:25 AM



#60
Dibromochloromethane
Concen: 50.507 ug/l
RT: 9.56 min Scan# 1423
Delta R.T. -0.01 min
Lab File: VX015701.D
Acq: 16 Apr 2020 10:23

Tgt Ion: 129 Resp: 618271
Ion Ratio Lower Upper
129 100
127 76.5 38.2 114.6





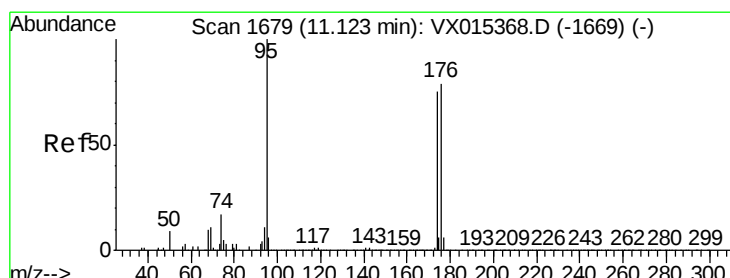
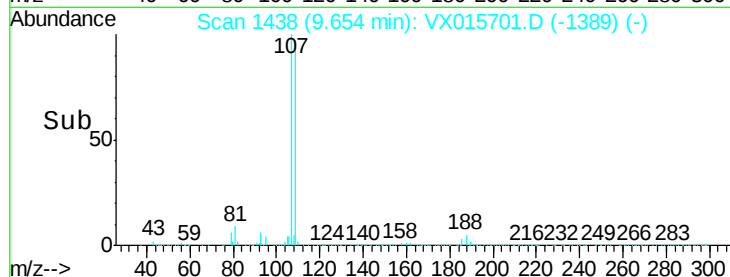
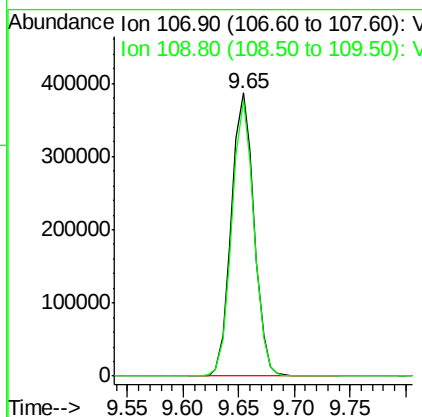
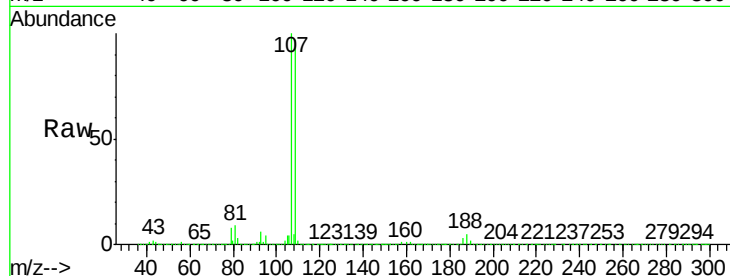
#61
 1,2-Dibromoethane
 Concen: 49.282 ug/l
 RT: 9.65 min Scan# 1438
 Delta R.T. -0.00 min
 Lab File: VX015701.D
 Acq: 16 Apr 2020 10:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	545903		
109	95.3	74.8	112.2	

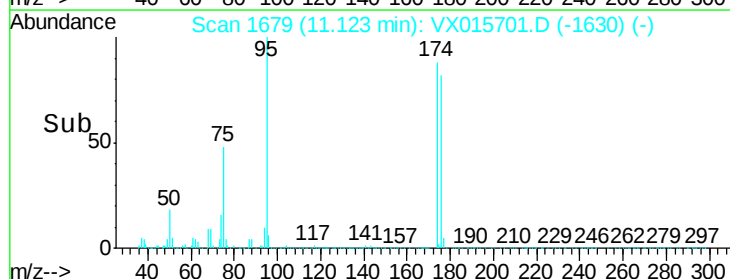
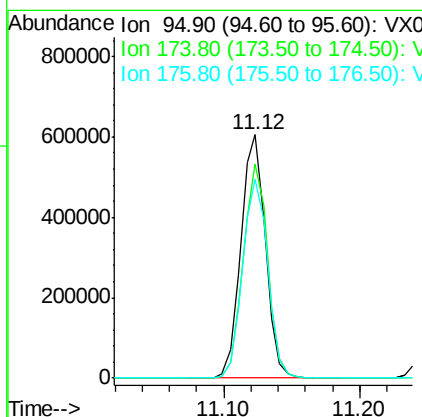
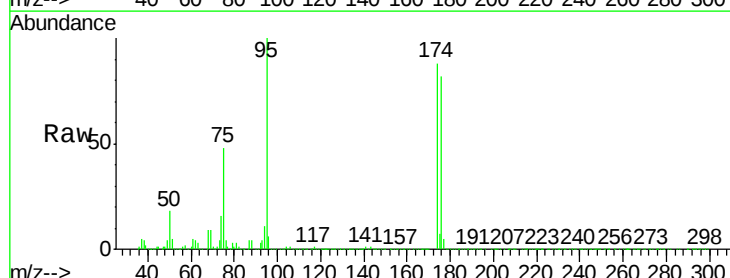
Manual Integrations
 APPROVED

MMDadoda
 4/17/2020 11:55:25 AM



#62
 4-Bromofluorobenzene
 Concen: 52.967 ug/l
 RT: 11.12 min Scan# 1679
 Delta R.T. -0.00 min
 Lab File: VX015701.D
 Acq: 16 Apr 2020 10:23

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	757006		
174	88.4	0.0	158.6	
176	84.2	0.0	159.0	





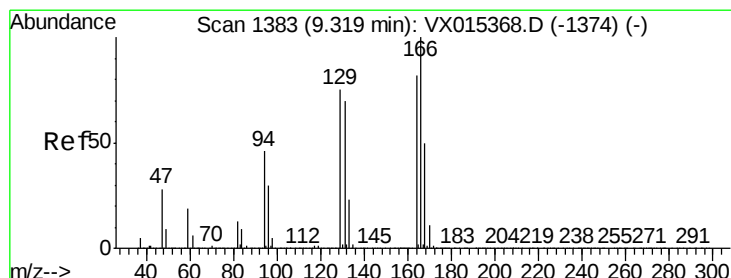
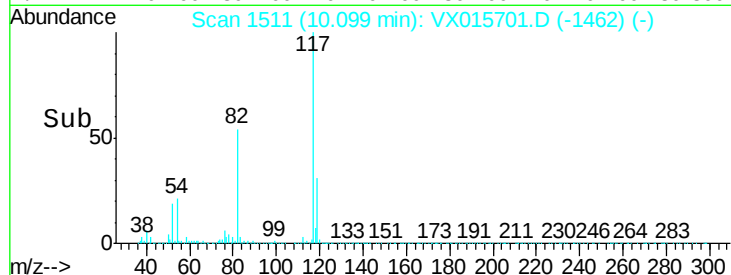
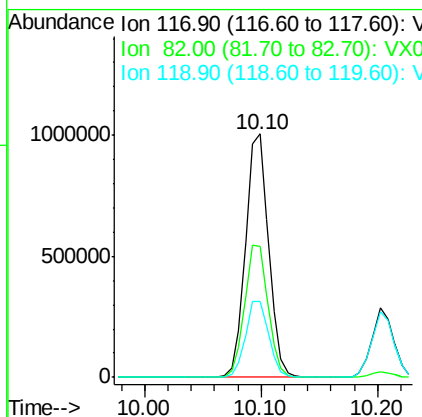
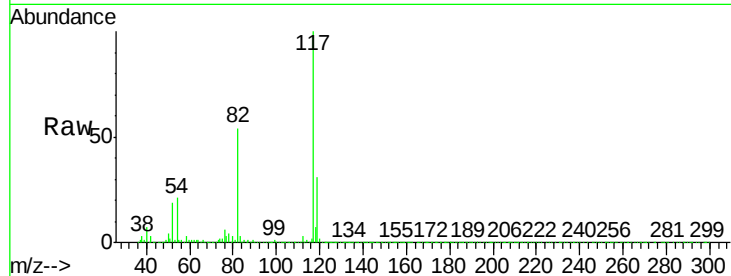
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. -0.00 min
Lab File: VX015701.D
Acq: 16 Apr 2020 10:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	47.8	71.8
119	31.1	26.8	40.2

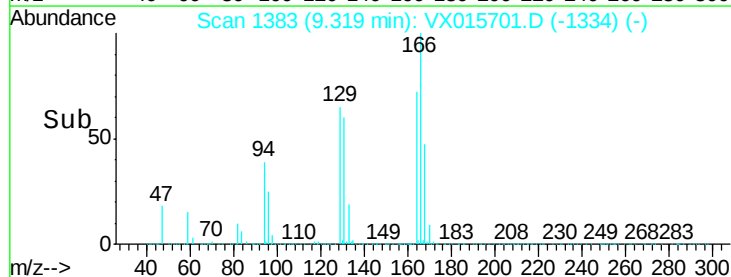
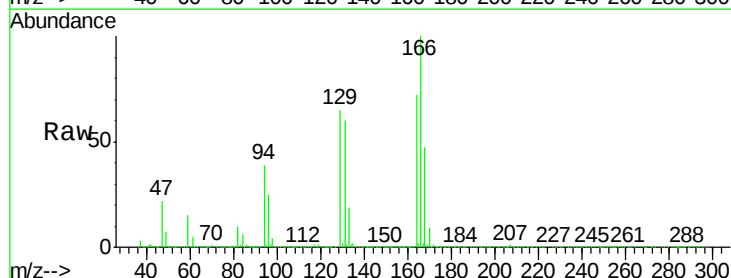
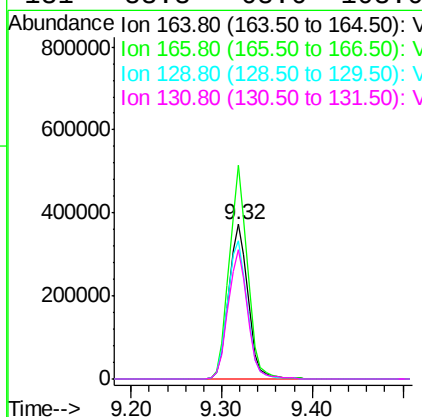
Manual Integrations
APPROVED

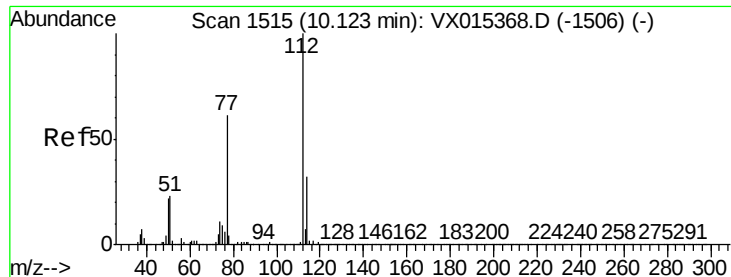
MMDadoda
4/17/2020 11:55:25 AM



#64
Tetrachloroethene
Concen: 52.595 ug/l
RT: 9.32 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX015701.D
Acq: 16 Apr 2020 10:23

Tgt Ion	Ratio	Lower	Upper
164	100		
166	138.0	97.8	146.6
129	89.1	73.0	109.4
131	83.3	68.6	103.0





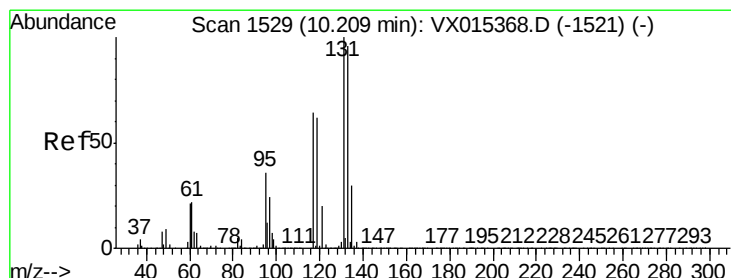
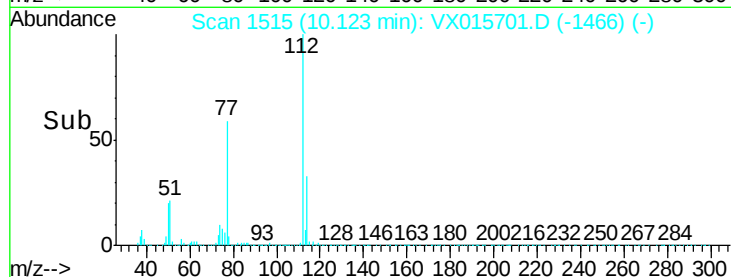
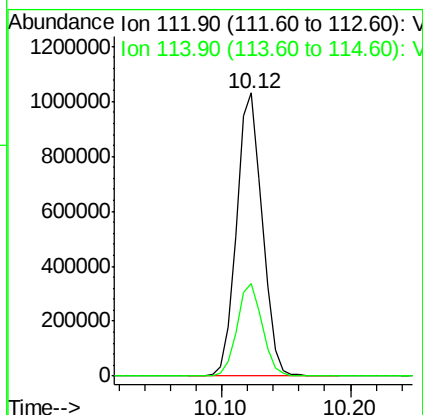
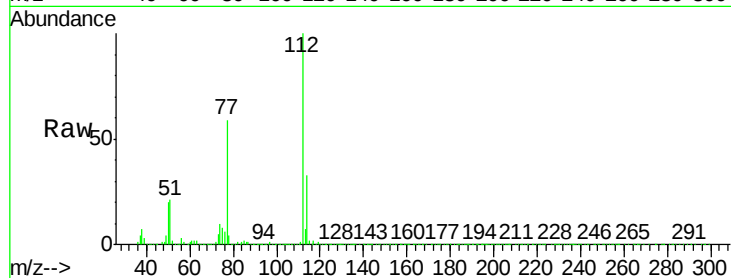
#65
Chlorobenzene
Concen: 51.106 ug/l
RT: 10.12 min Scan# 1515
Delta R.T. -0.00 min
Lab File: VX015701.D
Acq: 16 Apr 2020 10:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1421935
Ion Ratio Lower Upper
112 100
114 32.6 25.5 38.3

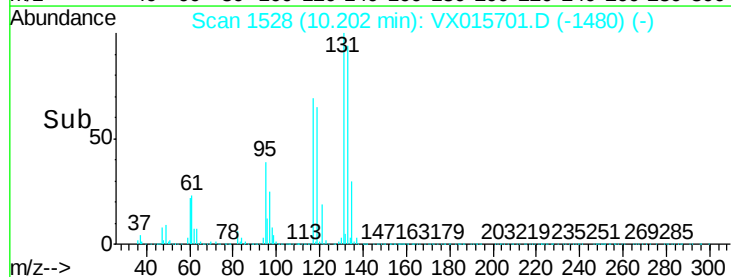
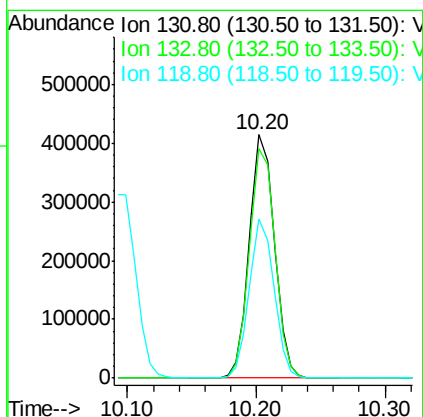
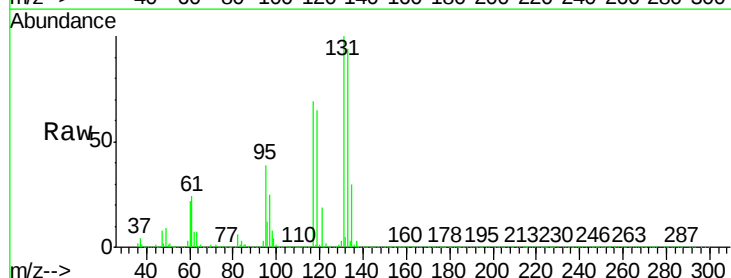
Manual Integrations
APPROVED

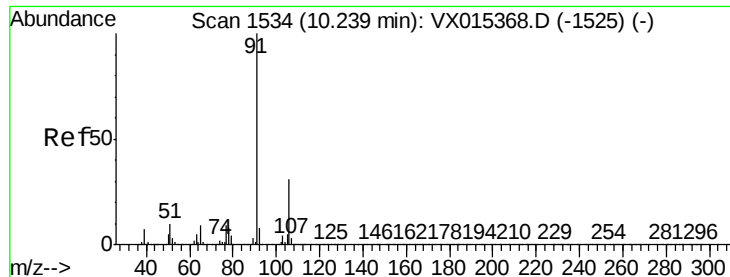
MMDadoda
4/17/2020 11:55:25 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.029 ug/l
RT: 10.20 min Scan# 1528
Delta R.T. -0.01 min
Lab File: VX015701.D
Acq: 16 Apr 2020 10:23

Tgt Ion:131 Resp: 556098
Ion Ratio Lower Upper
131 100
133 96.2 47.6 142.9
119 64.5 31.1 93.3





#67

Ethyl Benzene

Concen: 51.469 ug/l

RT: 10.23 min Scan# 1533

Delta R.T. -0.01 min

Lab File: VX015701.D

Acq: 16 Apr 2020 10:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 2539820

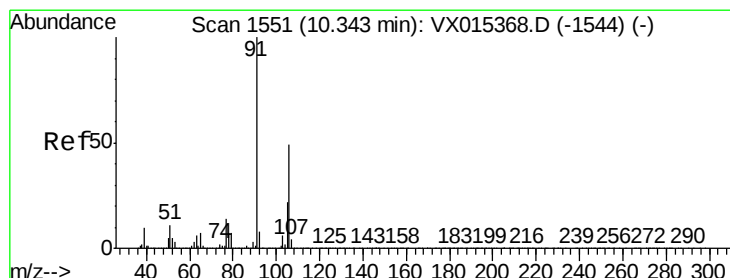
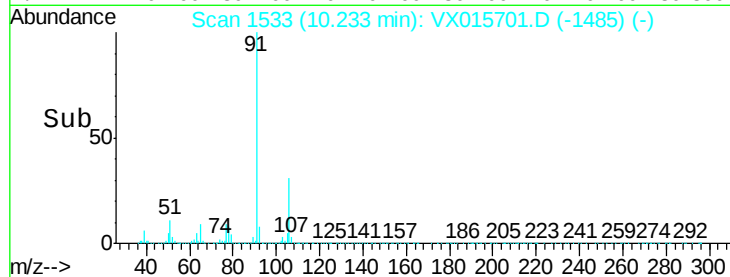
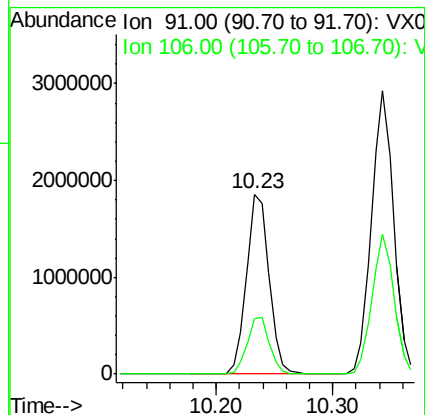
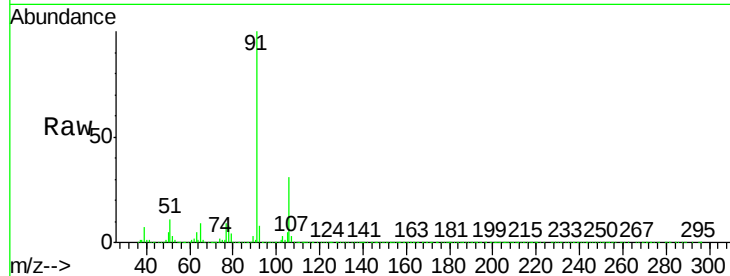
Ion Ratio Lower Upper

91 100

106 31.0 24.8 37.2

Manual Integrations
APPROVED

MMDadoda
4/17/2020 11:55:25 AM



#68

m/p-Xylenes

Concen: 103.890 ug/l

RT: 10.34 min Scan# 1551

Delta R.T. -0.00 min

Lab File: VX015701.D

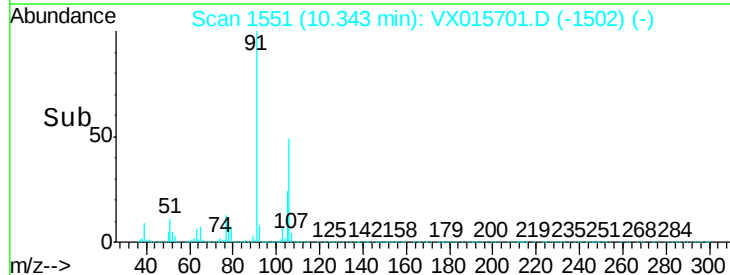
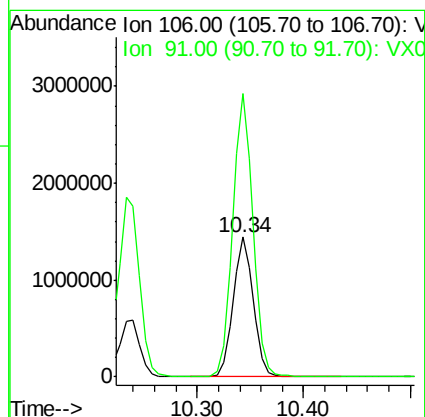
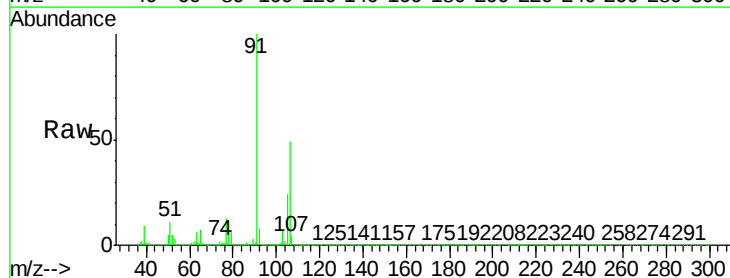
Acq: 16 Apr 2020 10:23

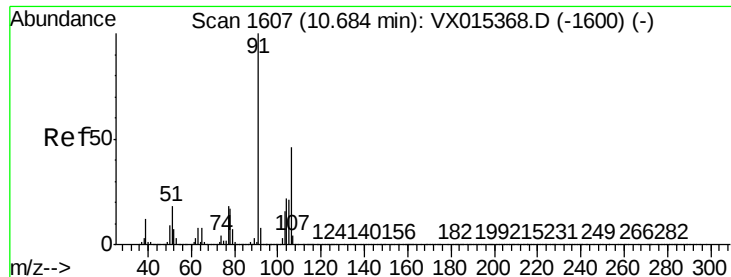
Tgt Ion: 106 Resp: 1909003

Ion Ratio Lower Upper

106 100

91 203.8 163.4 245.0





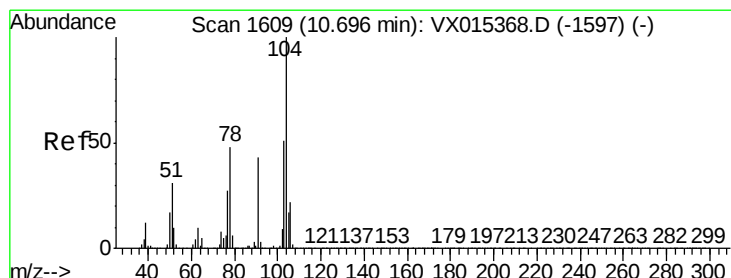
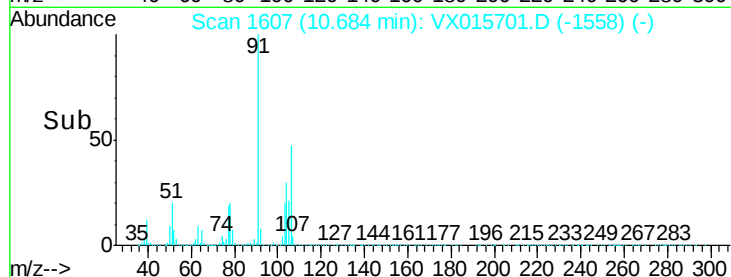
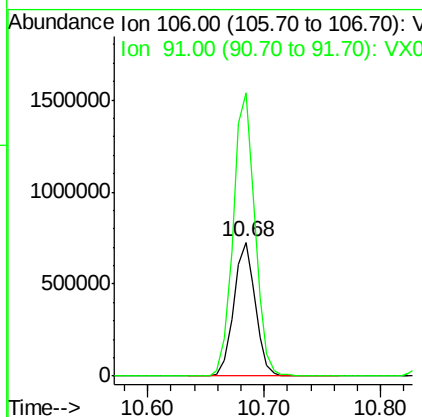
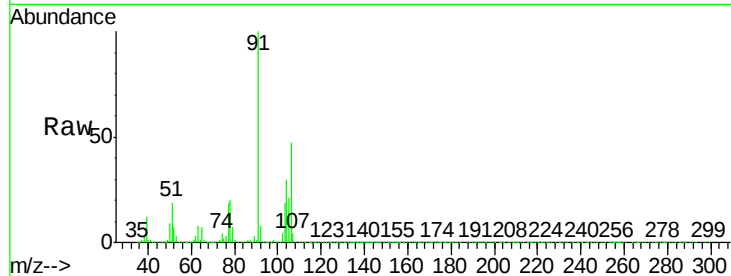
#69
o-Xylene
Concen: 51.563 ug/l
RT: 10.68 min Scan# 1607
Delta R.T. -0.00 min
Lab File: VX015701.D
Acq: 16 Apr 2020 10:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
106	100	936259		
91	213.4	107.1	321.3	

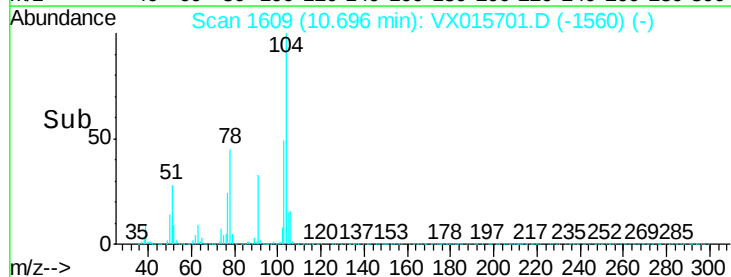
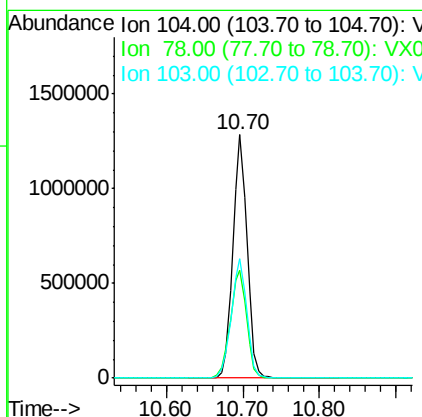
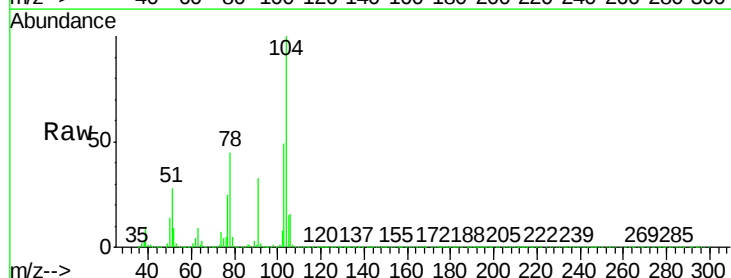
Manual Integrations
APPROVED

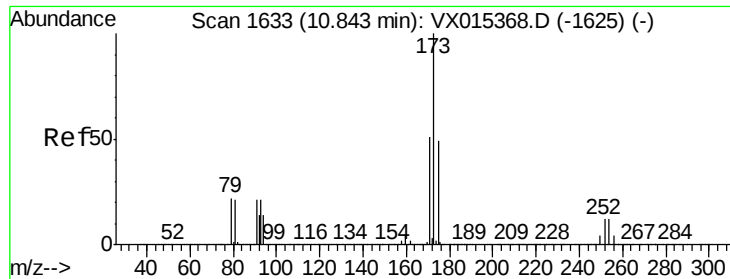
MMDadoda
4/17/2020 11:55:25 AM



#70
Styrene
Concen: 51.637 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX015701.D
Acq: 16 Apr 2020 10:23

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	1649886		
78	50.4	42.0	63.0	
103	53.6	43.4	65.0	





#71

Bromoform

Concen: 47.975 ug/l

RT: 10.84 min Scan# 1633

Delta R.T. -0.00 min

Lab File: VX015701.D

Acq: 16 Apr 2020 10:23

Instrument :

MSVOA_X

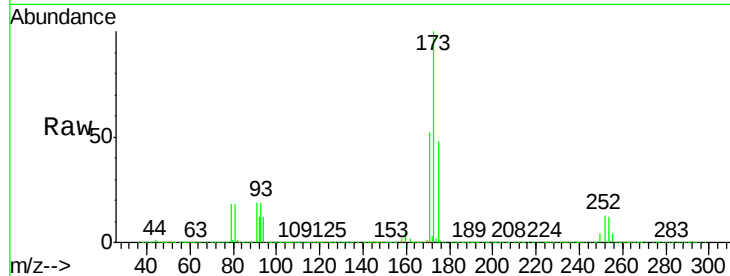
ClientSampleId :

VSTDCCC050

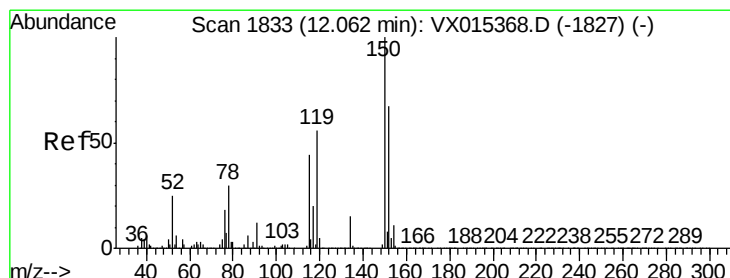
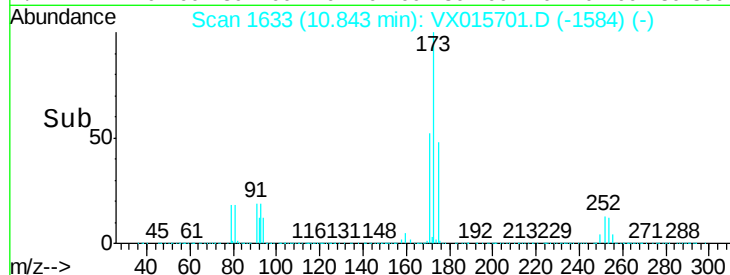
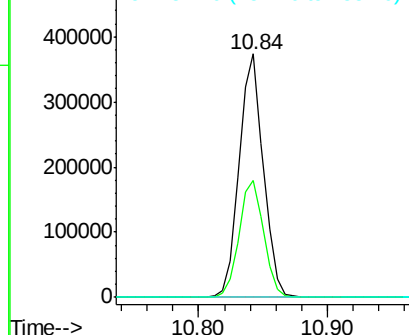
Tot Ion:	173	Resp:	485456
Ion Ratio	Lower	Upper	
173	100		
175	49.1	23.9	71.7
254	0.1	0.1	0.1#

Manual Integrations
APPROVED

MMDadoda
4/17/2020 11:55:25 AM



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

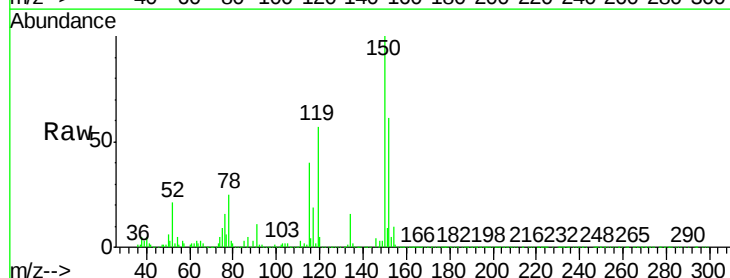
RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

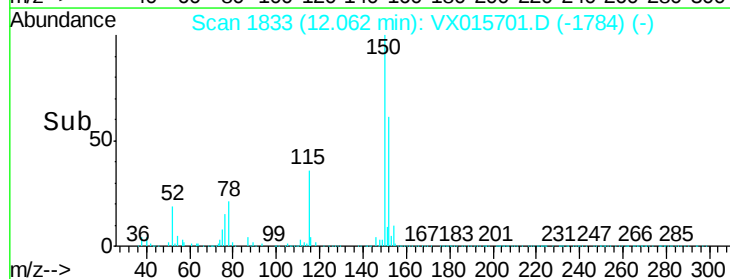
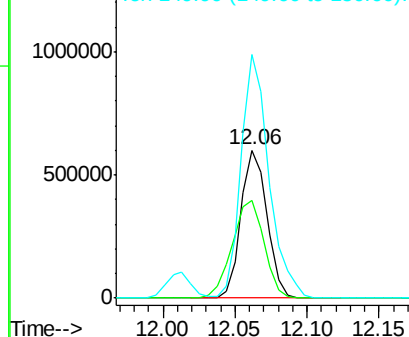
Lab File: VX015701.D

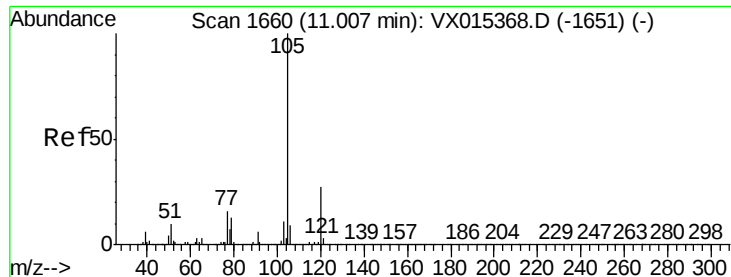
Acq: 16 Apr 2020 10:23

Tgt Ion:	152	Resp:	754626
Ion Ratio	Lower	Upper	
152	100		
115	80.8	39.0	116.9
150	177.3	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: 50.508 ug/l

RT: 11.00 min Scan# 1659

Delta R.T. -0.01 min

Lab File: VX015701.D

Acq: 16 Apr 2020 10:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 2497373

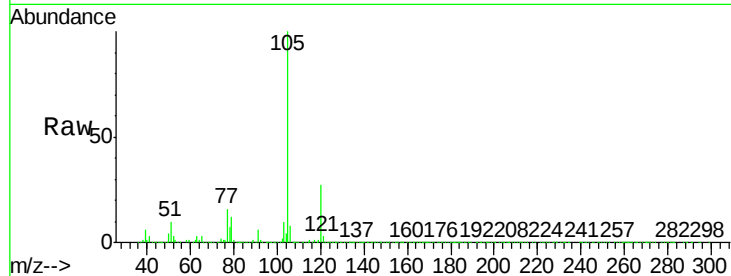
Ion Ratio Lower Upper

105 100

120 27.2 13.2 39.5

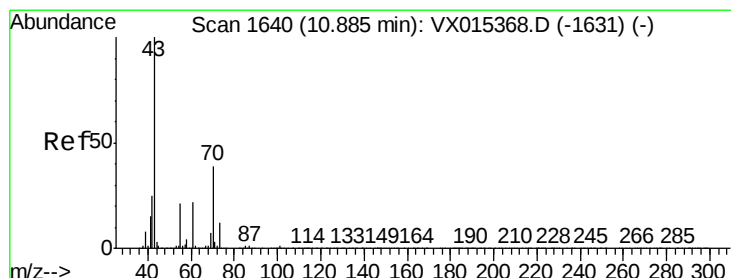
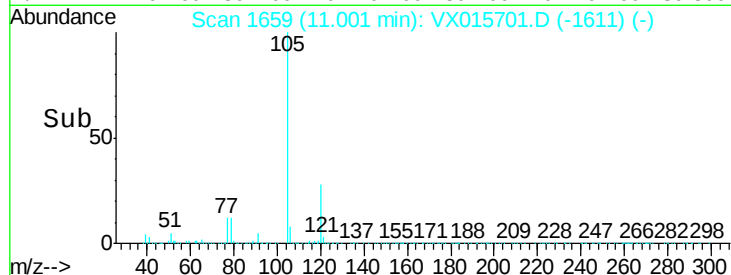
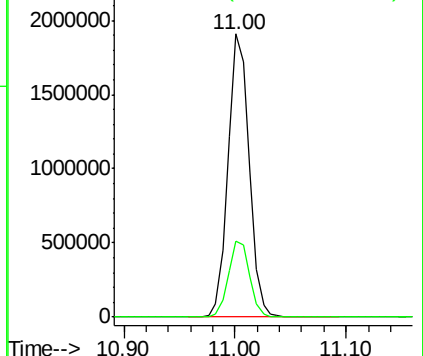
Manual Integrations
APPROVED

MMDadoda
4/17/2020 11:55:25 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 42.902 ug/l

RT: 10.88 min Scan# 1639

Delta R.T. -0.01 min

Lab File: VX015701.D

Acq: 16 Apr 2020 10:23

Tgt Ion: 43 Resp: 1179815

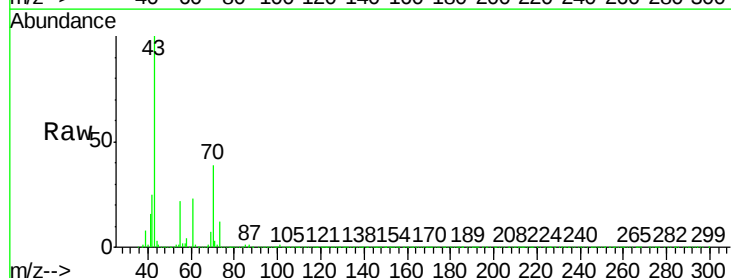
Ion Ratio Lower Upper

43 100

70 39.9 30.2 45.4

55 22.2 16.8 25.2

61 23.2 18.2 27.2

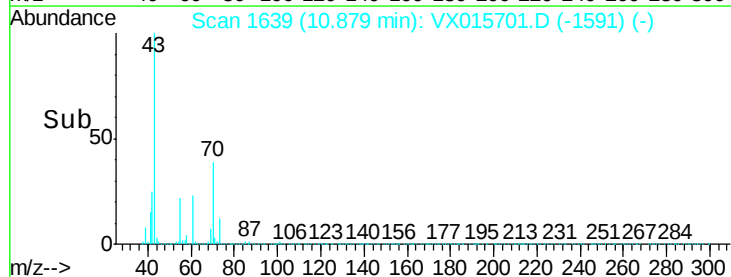
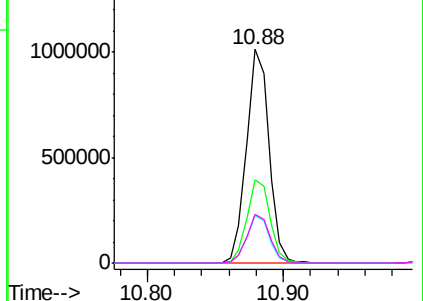


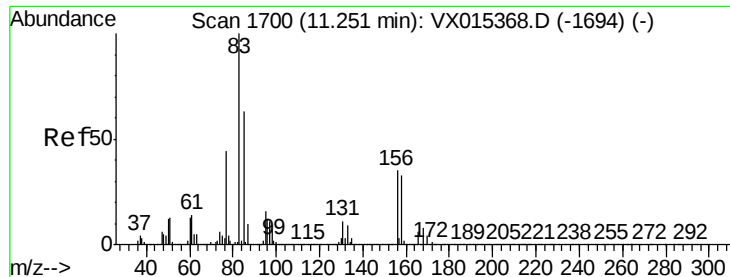
Abundance Ion 43.00 (42.70 to 43.70): VX0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 46.739 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX015701.D

Acq: 16 Apr 2020 10:23

Instrument :

MSVOA_X

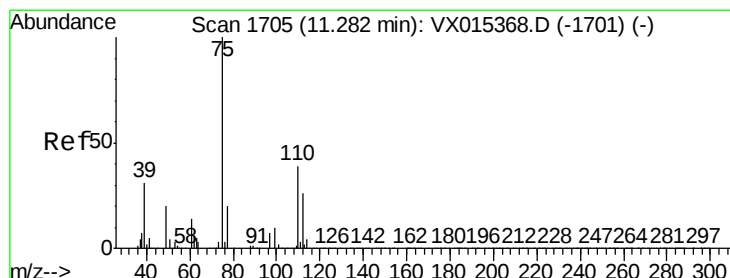
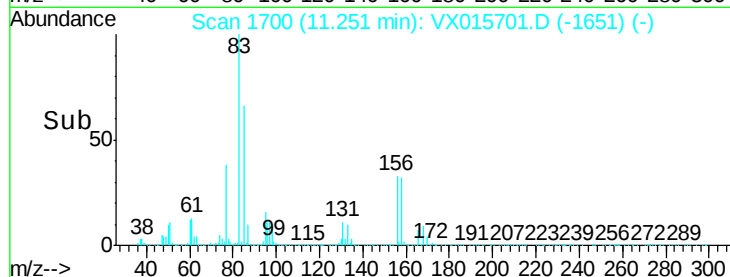
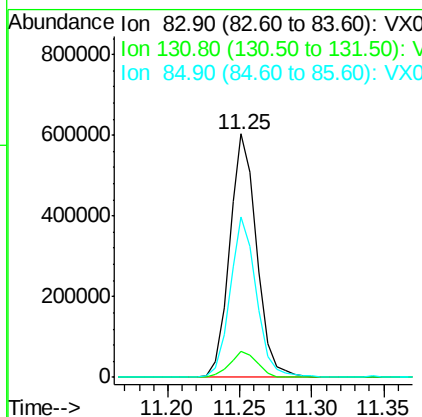
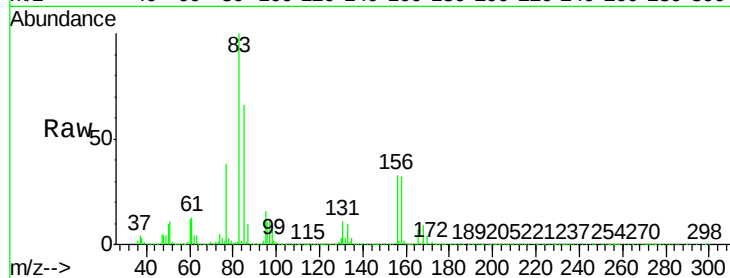
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	792987
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.3	16.1
85	64.3	32.0	96.0

Manual Integrations
APPROVED

MMDadoda
4/17/2020 11:55:25 AM



#76

1,2,3-Trichloropropane

Concen: 47.355 ug/l m

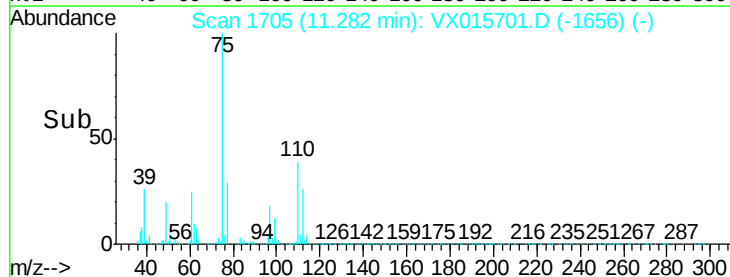
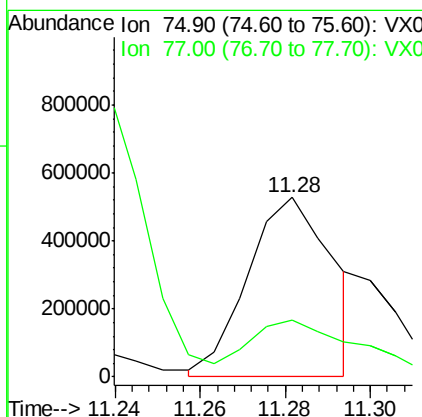
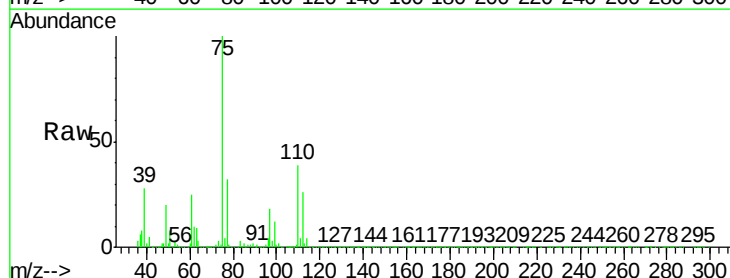
RT: 11.28 min Scan# 1705

Delta R.T. -0.00 min

Lab File: VX015701.D

Acq: 16 Apr 2020 10:23

Tgt Ion:	75	Resp:	734874
Ion Ratio	Lower	Upper	
75	100		
77	40.6	21.2	63.6





#77

Bromobenzene

Concen: 50.867 ug/l

RT: 11.24 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX015701.D

Acq: 16 Apr 2020 10:23

Instrument :

MSVOA_X

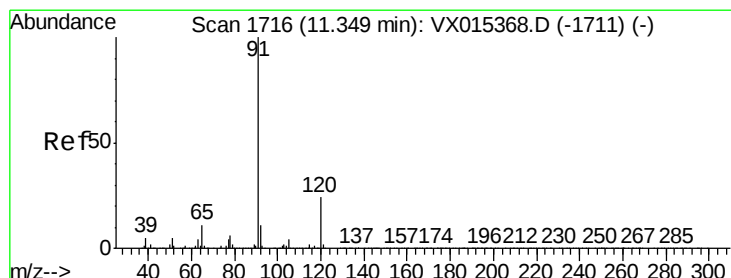
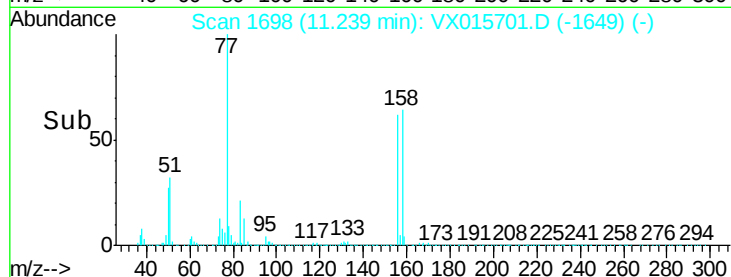
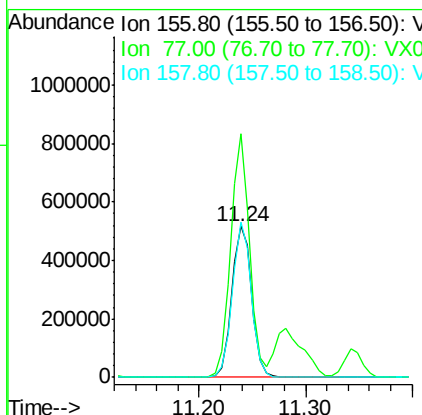
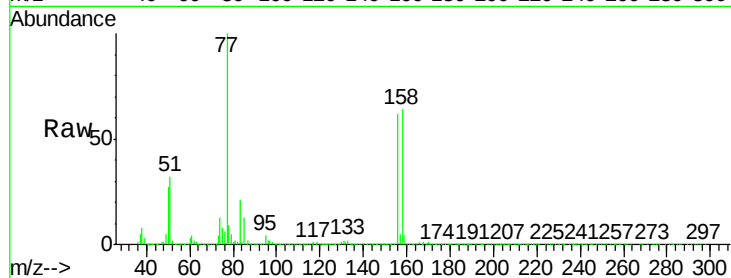
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	670875
Ion Ratio	Lower	Upper	
156	100		
77	154.3	82.2	246.5
158	99.1	49.3	147.9

Manual Integrations
APPROVED

MMDadoda
4/17/2020 11:55:25 AM



#78

n-propylbenzene

Concen: 51.228 ug/l

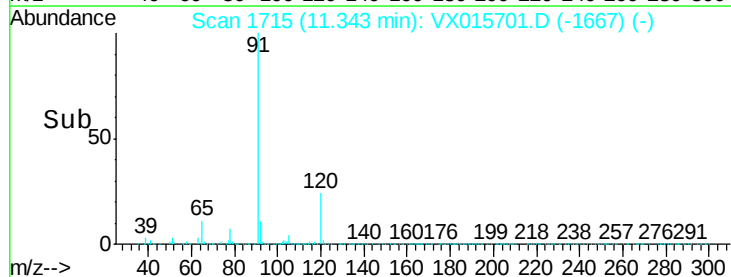
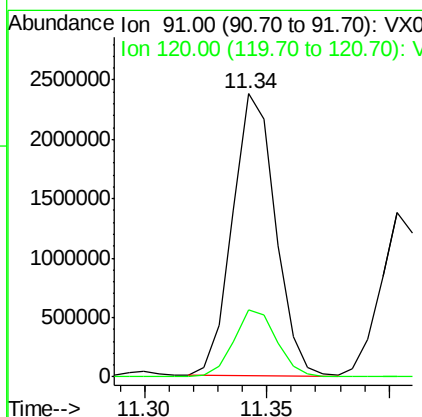
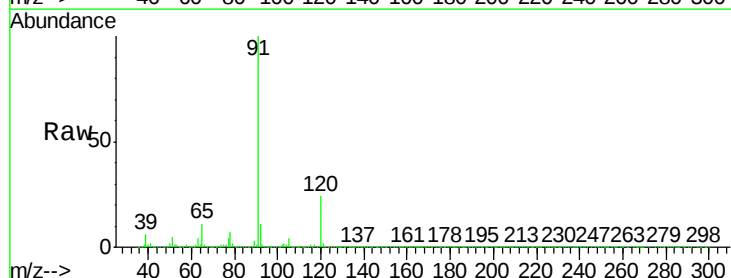
RT: 11.34 min Scan# 1715

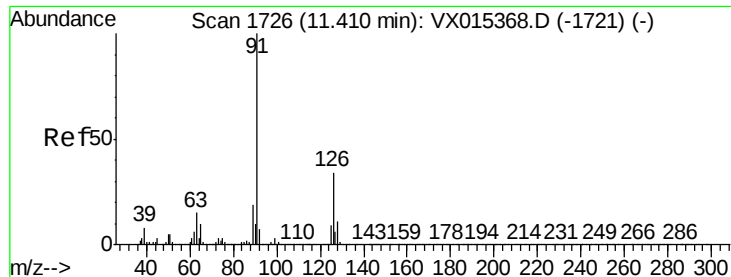
Delta R.T. -0.01 min

Lab File: VX015701.D

Acq: 16 Apr 2020 10:23

Tgt Ion:	91	Resp:	2896351
Ion Ratio	Lower	Upper	
91	100		
120	23.9	11.7	35.0





#79

2-Chlorotoluene

Concen: 49.661 ug/l

RT: 11.40 min Scan# 1725

Delta R.T. -0.01 min

Lab File: VX015701.D

Acq: 16 Apr 2020 10:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1720947

Ion Ratio Lower Upper

91 100

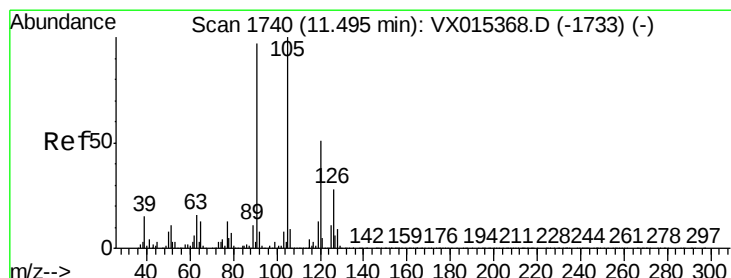
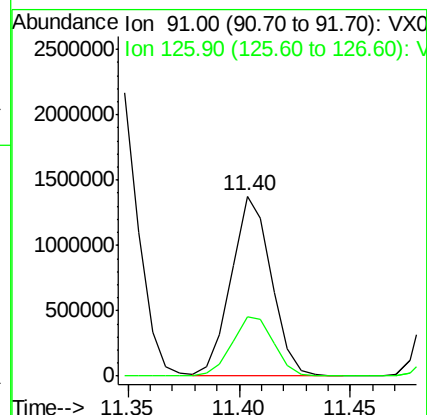
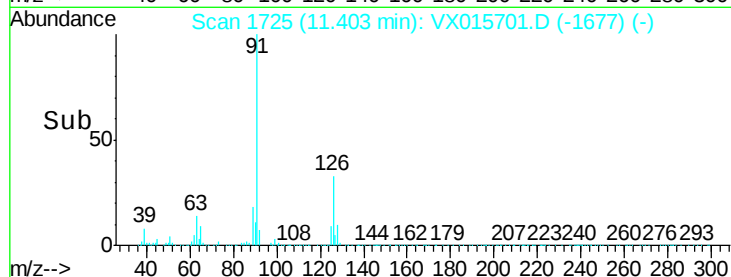
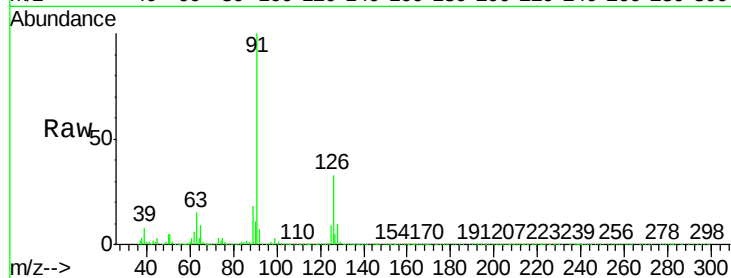
126 34.2 16.5 49.5

Manual Integrations

APPROVED

MMDadoda

4/17/2020 11:55:25 AM



#80

1,3,5-Trimethylbenzene

Concen: 51.689 ug/l

RT: 11.49 min Scan# 1739

Delta R.T. -0.01 min

Lab File: VX015701.D

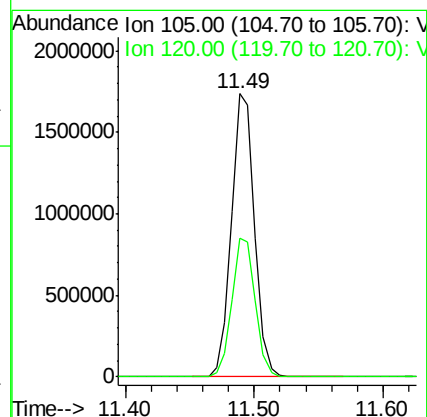
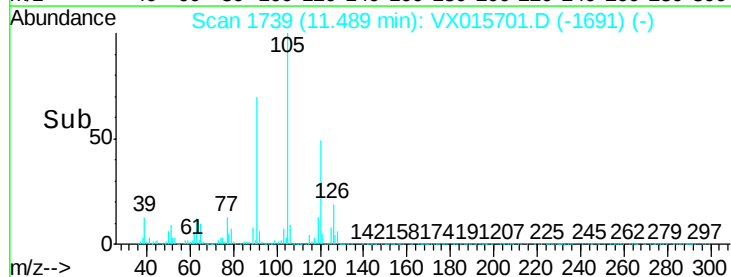
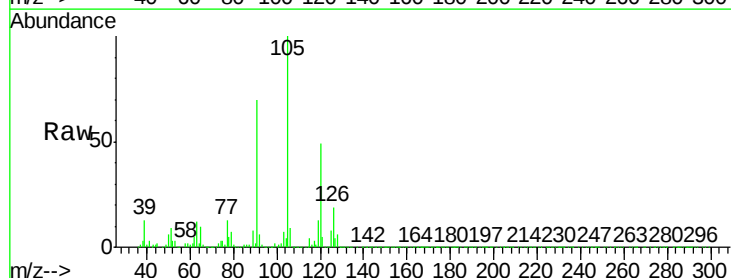
Acq: 16 Apr 2020 10:23

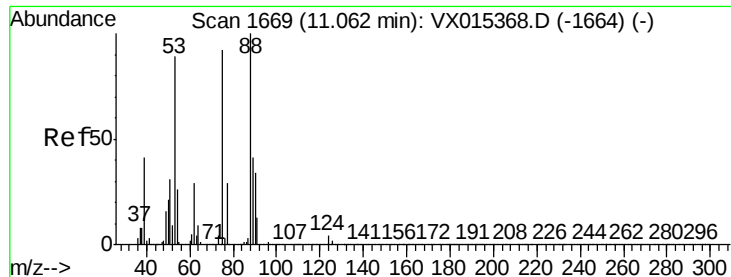
Tgt Ion: 105 Resp: 2182699

Ion Ratio Lower Upper

105 100

120 49.7 24.8 74.4





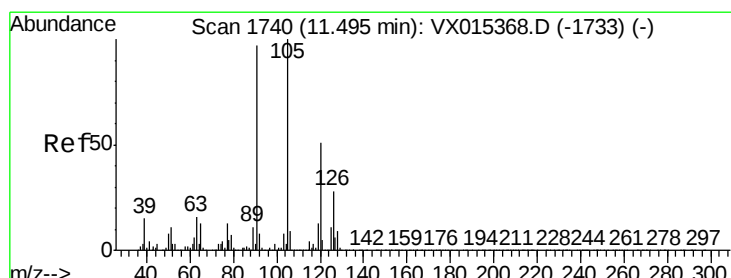
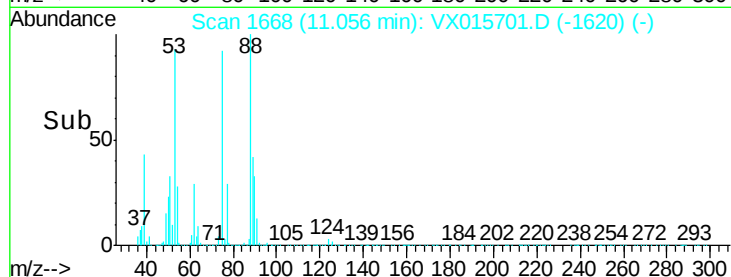
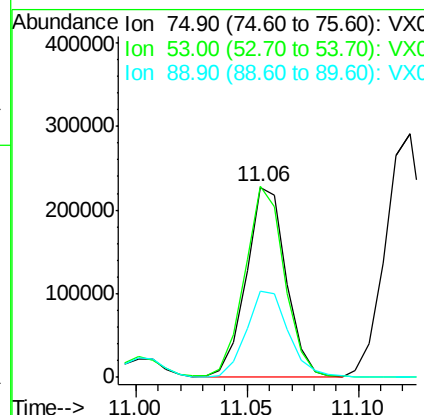
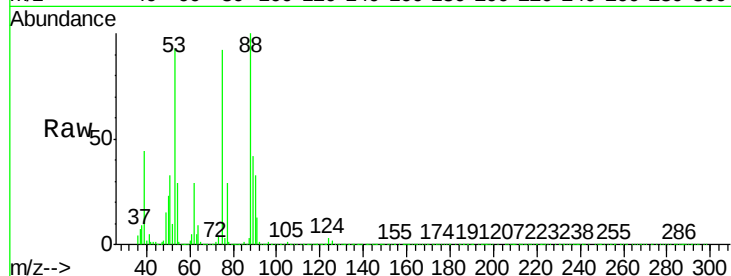
#81
trans-1,4-Dichloro-2-butene
Concen: 43.522 ug/l
RT: 11.06 min Scan# 1668
Delta R.T. -0.01 min
Lab File: VX015701.D
Acq: 16 Apr 2020 10:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.9	80.1	120.1
89	49.0	36.1	54.1

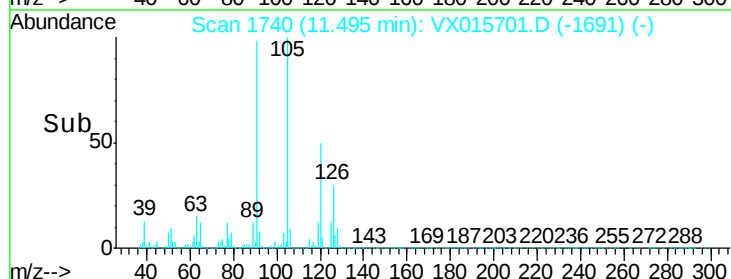
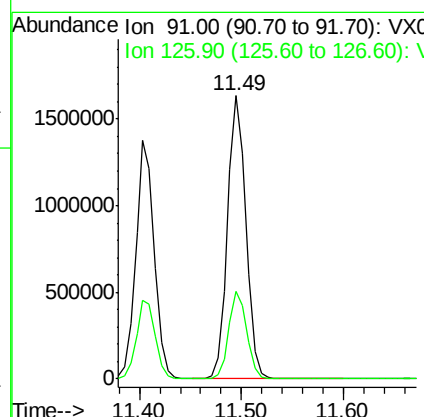
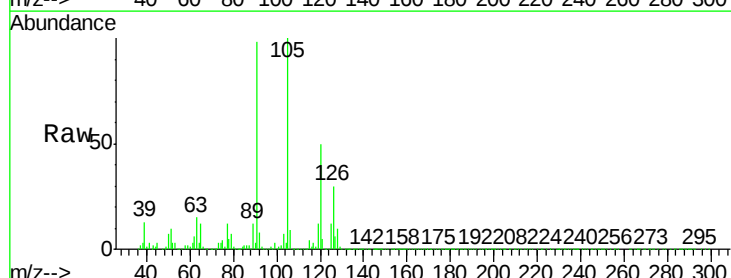
Manual Integrations
APPROVED

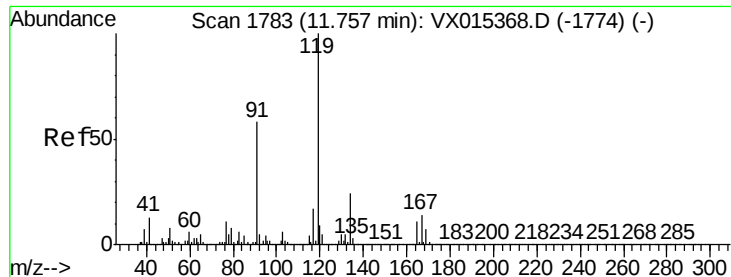
MMDadoda
4/17/2020 11:55:25 AM



#82
4-Chlorotoluene
Concen: 50.481 ug/l
RT: 11.49 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VX015701.D
Acq: 16 Apr 2020 10:23

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.2	14.7	44.1





#83

tert-Butylbenzene

Concen: 53.135 ug/l

RT: 11.76 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX015701.D

Acq: 16 Apr 2020 10:23

Instrument :

MSVOA_X

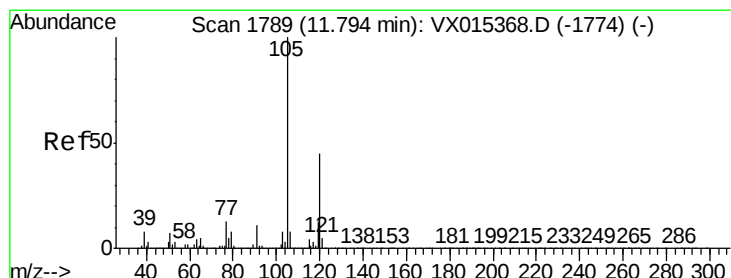
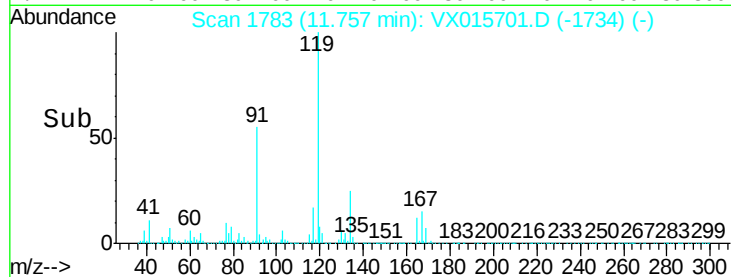
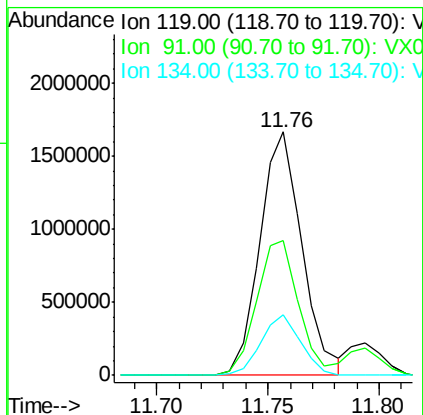
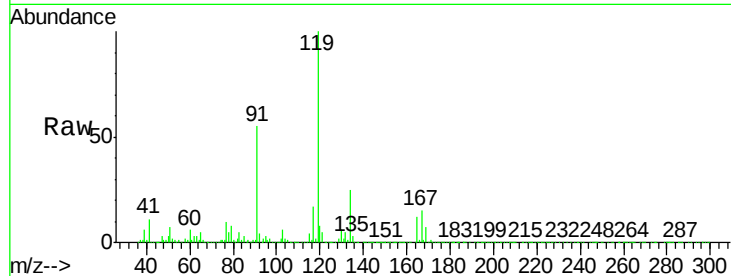
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	2191655
Ion	Ratio	Lower	Upper
119	100		
91	54.9	28.6	85.8
134	23.5	11.8	35.3

Manual Integrations
APPROVED

MMDadoda
4/17/2020 11:55:25 AM



#84

1,2,4-Trimethylbenzene

Concen: 51.857 ug/l

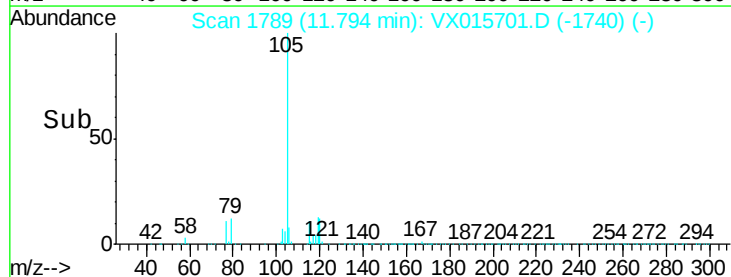
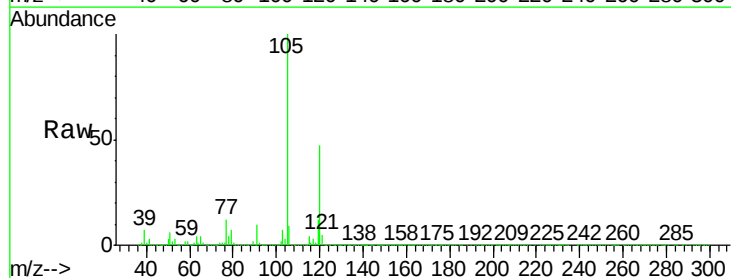
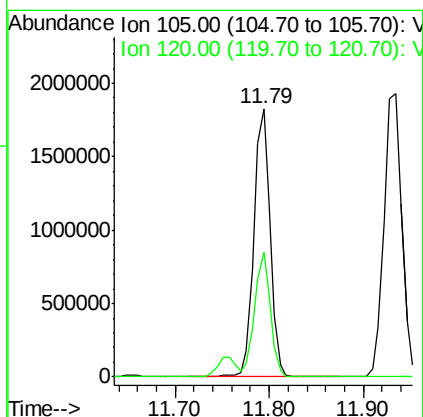
RT: 11.79 min Scan# 1789

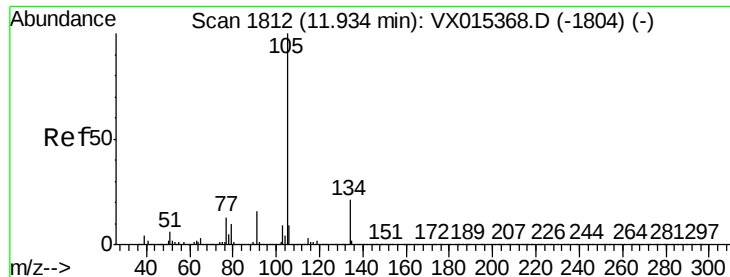
Delta R.T. -0.00 min

Lab File: VX015701.D

Acq: 16 Apr 2020 10:23

Tgt Ion:	105	Resp:	2231489
Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.7	68.1





#85

sec-Butylbenzene

Concen: 53.178 ug/l

RT: 11.93 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VX015701.D

Acq: 16 Apr 2020 10:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 2536799

Ion Ratio Lower Upper

105 100

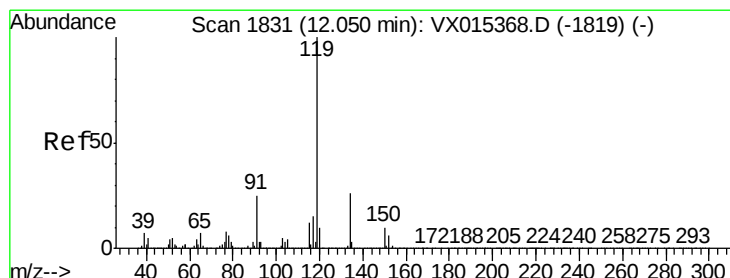
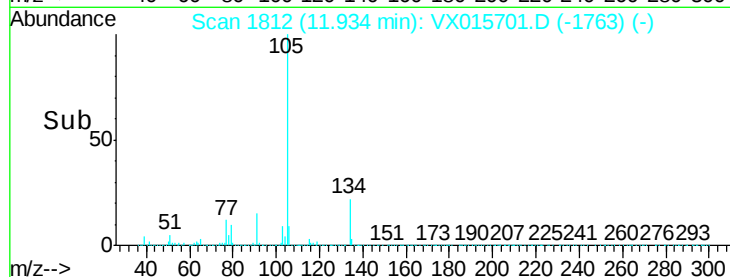
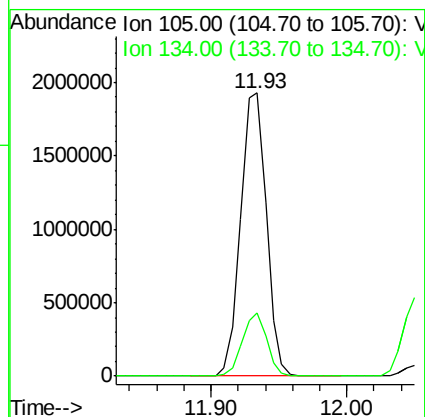
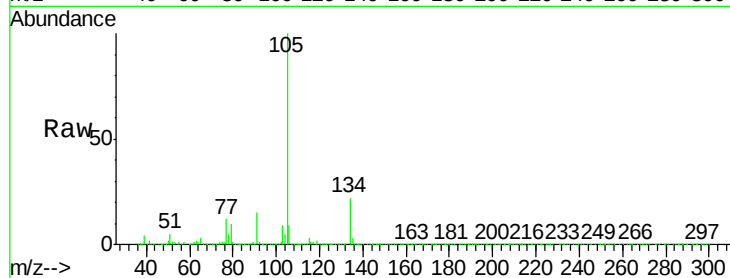
134 21.2 10.4 31.1

Manual Integrations

APPROVED

MMDadoda

4/17/2020 11:55:25 AM



#86

p-Isopropyltoluene

Concen: 54.520 ug/l

RT: 12.05 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VX015701.D

Acq: 16 Apr 2020 10:23

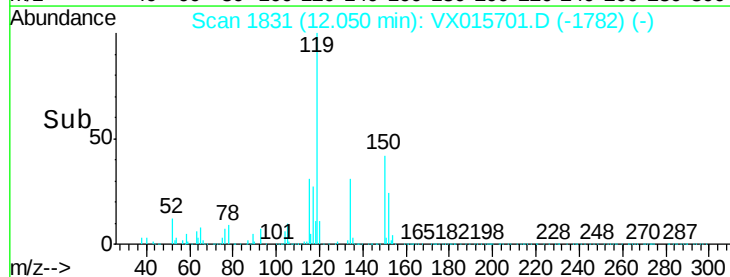
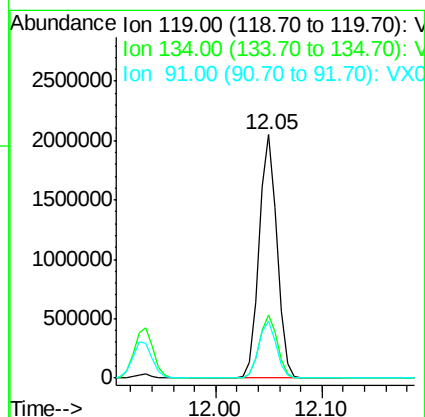
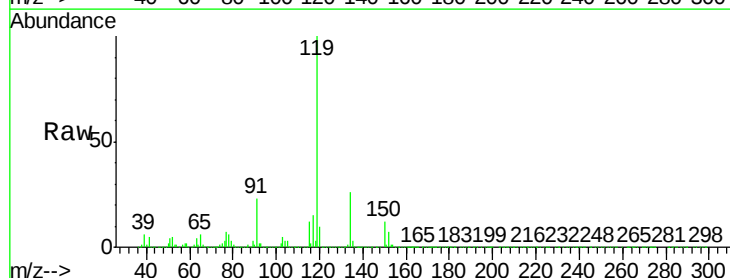
Tgt Ion:119 Resp: 2414474

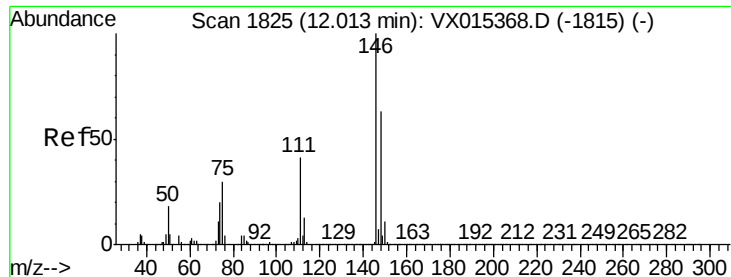
Ion Ratio Lower Upper

119 100

134 26.4 13.1 39.3

91 23.3 12.4 37.4





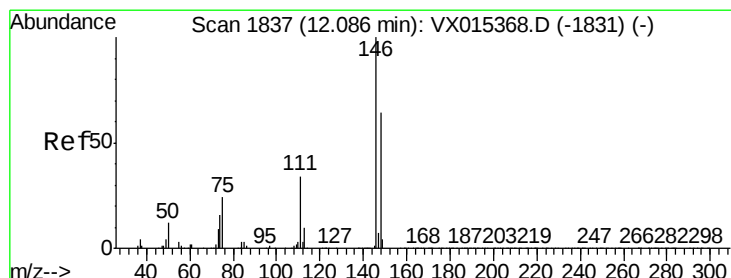
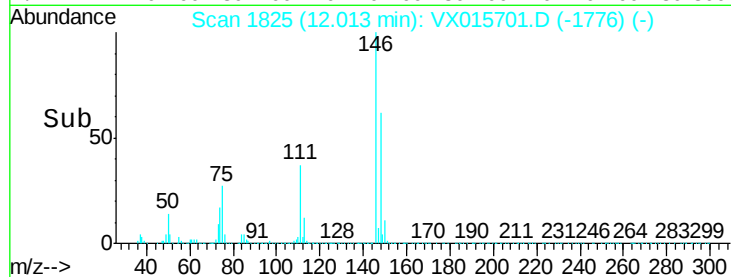
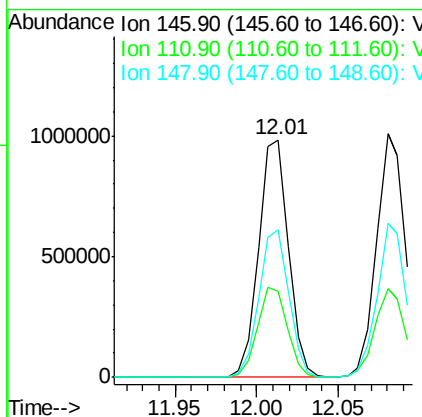
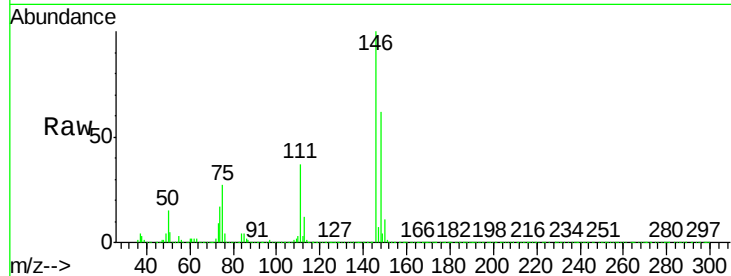
#87
 1,3-Dichlorobenzene
 Concen: 52.978 ug/l
 RT: 12.01 min Scan# 1825
 Delta R.T. -0.00 min
 Lab File: VX015701.D
 Acq: 16 Apr 2020 10:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	20.3	60.9
148	62.6	31.3	93.9

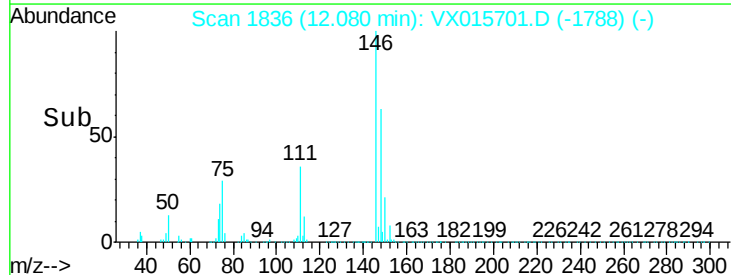
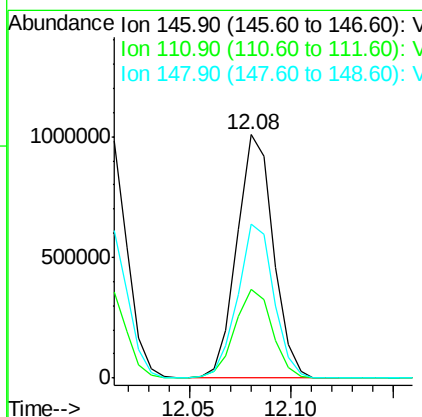
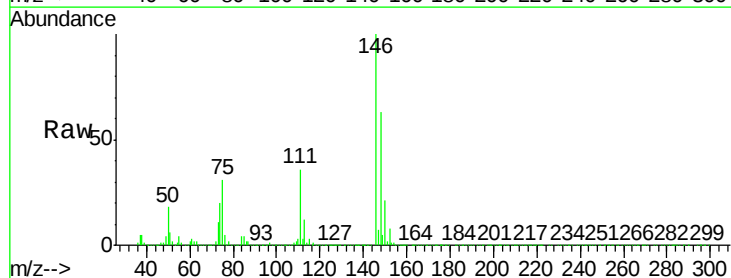
Manual Integrations
 APPROVED

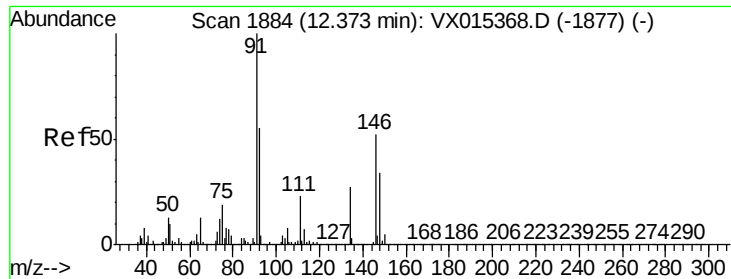
MMDadoda
 4/17/2020 11:55:25 AM



#88
 1,4-Dichlorobenzene
 Concen: 51.862 ug/l
 RT: 12.08 min Scan# 1836
 Delta R.T. -0.01 min
 Lab File: VX015701.D
 Acq: 16 Apr 2020 10:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.1	57.5
148	63.2	32.4	97.2





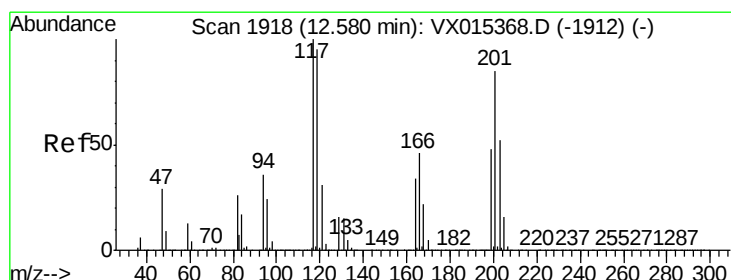
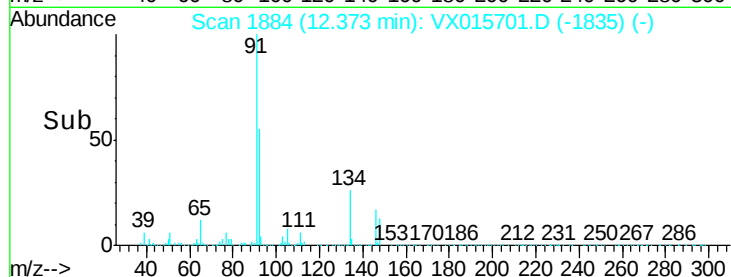
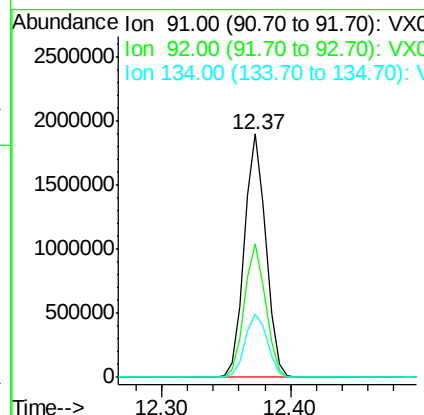
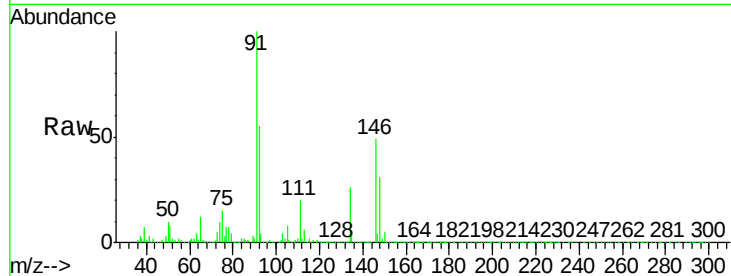
#89
n-Butylbenzene
Concen: 54.684 ug/l
RT: 12.37 min Scan# 1884
Delta R.T. -0.00 min
Lab File: VX015701.D
Acq: 16 Apr 2020 10:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.5	27.2	81.5
134	27.0	13.4	40.2

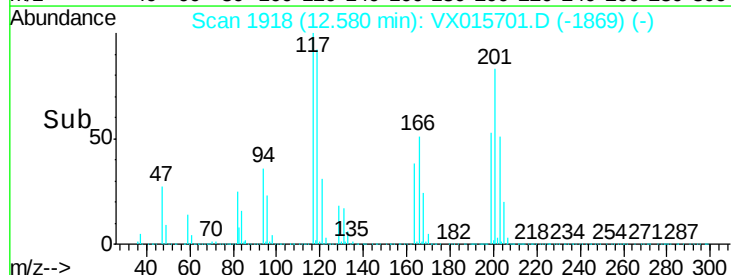
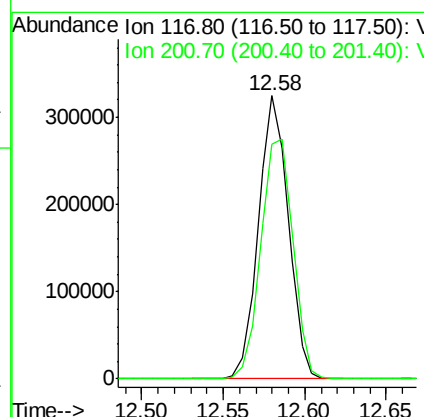
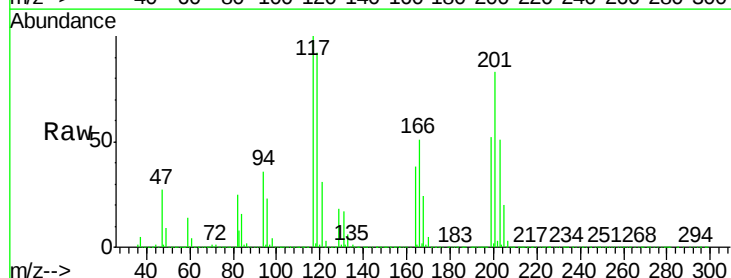
Manual Integrations
APPROVED

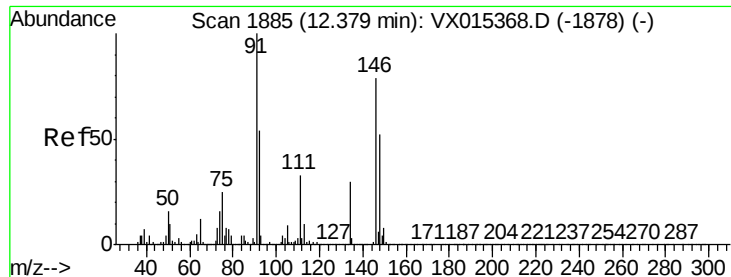
MMDadoda
4/17/2020 11:55:25 AM



#90
Hexachloroethane
Concen: 48.181 ug/l
RT: 12.58 min Scan# 1918
Delta R.T. -0.00 min
Lab File: VX015701.D
Acq: 16 Apr 2020 10:23

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.1	42.6	128.0





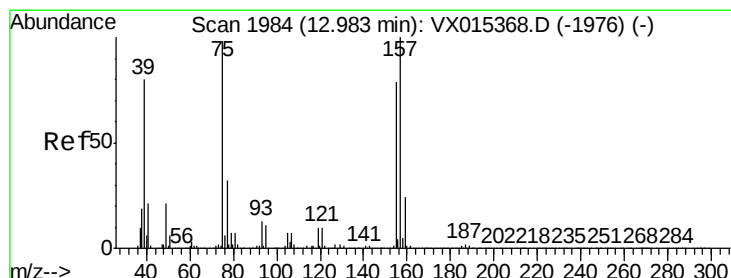
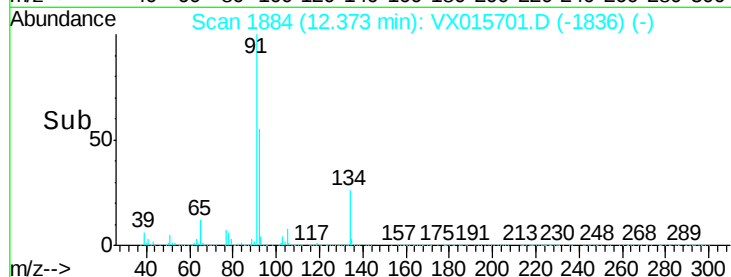
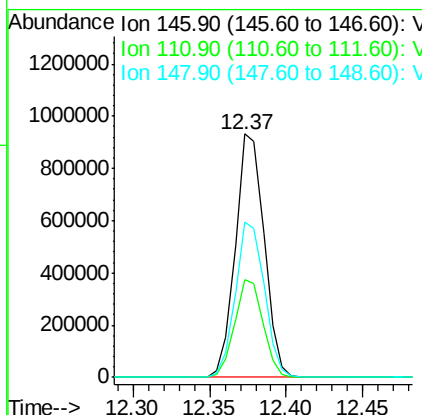
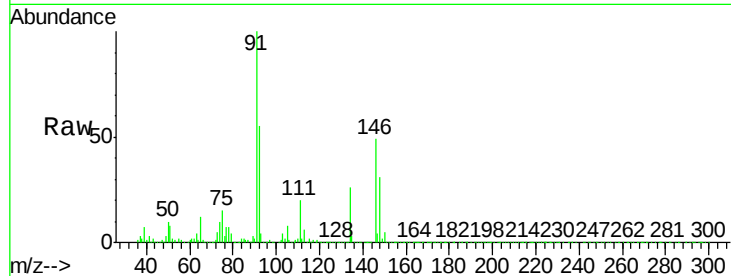
#91
 1,2-Dichlorobenzene
 Concen: 52.648 ug/l
 RT: 12.37 min Scan# 1884
 Delta R.T. -0.01 min
 Lab File: VX015701.D
 Acq: 16 Apr 2020 10:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	21.0	63.0
148	64.0	32.4	97.0

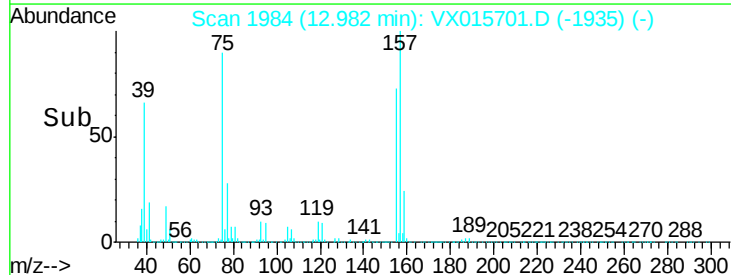
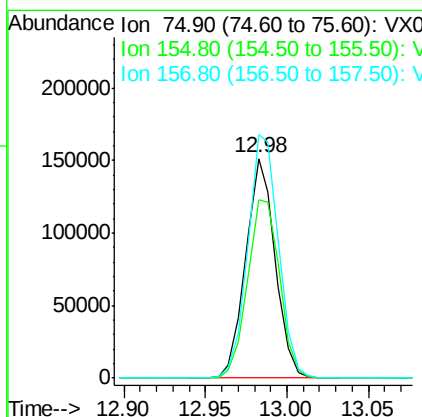
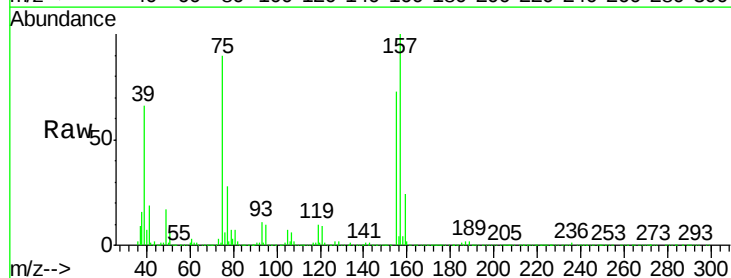
Manual Integrations
 APPROVED

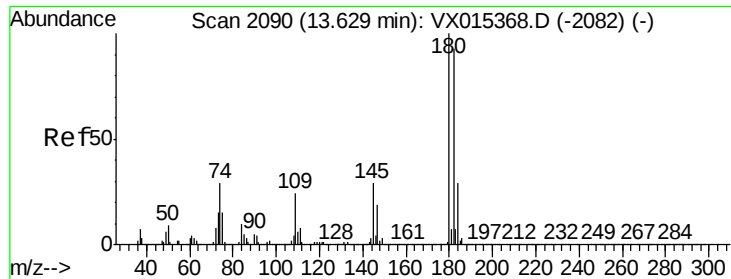
MMDadoda
 4/17/2020 11:55:25 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 39.747 ug/l
 RT: 12.98 min Scan# 1984
 Delta R.T. -0.00 min
 Lab File: VX015701.D
 Acq: 16 Apr 2020 10:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.3	42.8	128.4
157	116.0	53.4	160.3





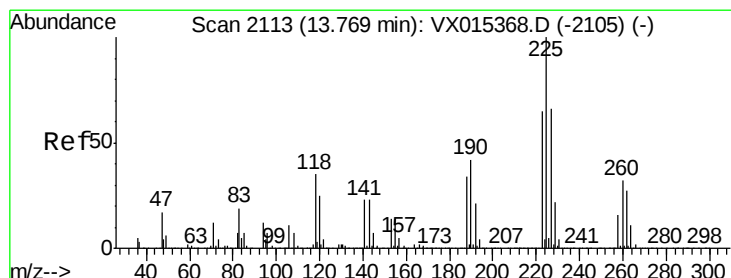
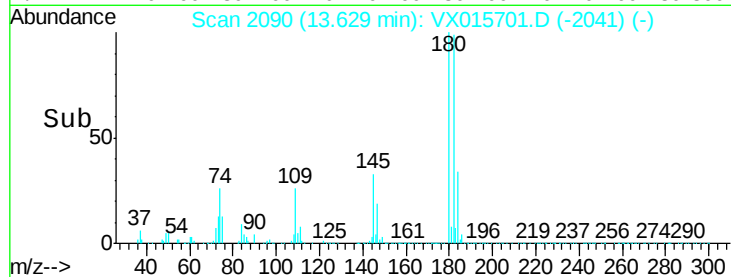
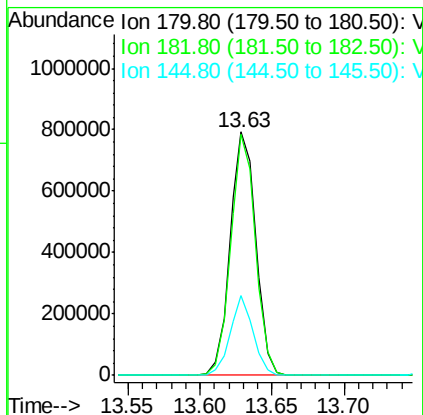
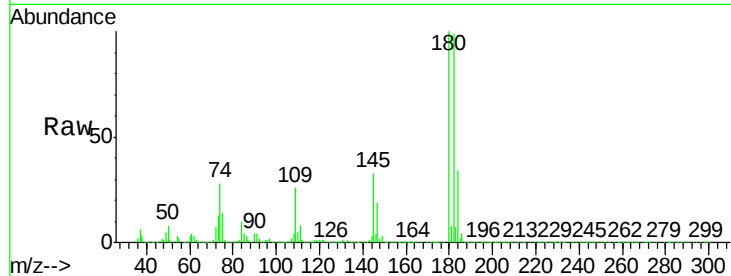
#93
 1,2,4-Trichlorobenzene
 Concen: 54.298 ug/l
 RT: 13.63 min Scan# 2090
 Delta R.T. -0.00 min
 Lab File: VX015701.D
 Acq: 16 Apr 2020 10:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	992396		
182	95.2	46.9	140.7	
145	29.2	14.9	44.5	

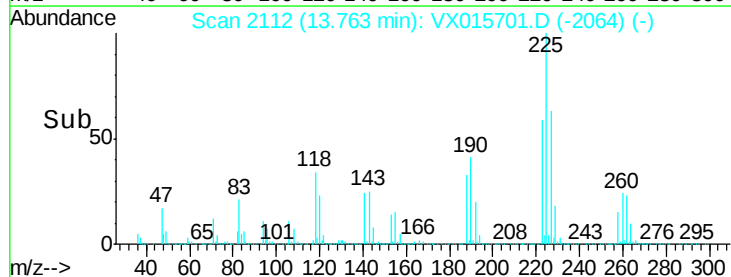
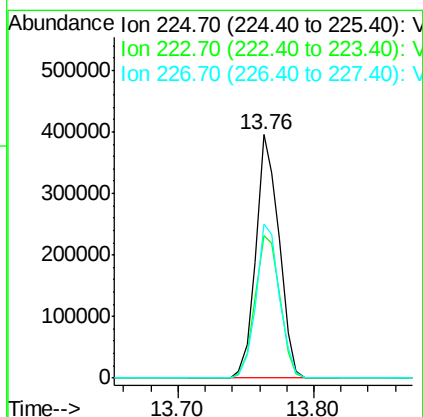
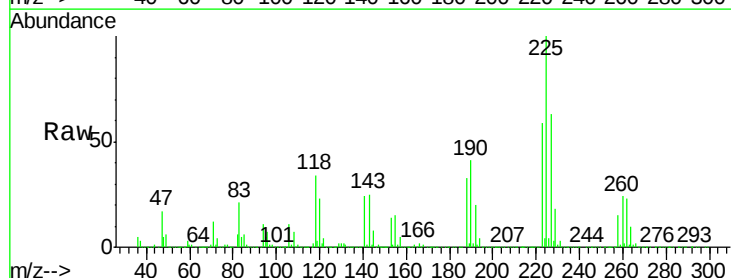
Manual Integrations
 APPROVED

MMDadoda
 4/17/2020 11:55:25 AM



#94
 Hexachlorobutadiene
 Concen: 54.603 ug/l
 RT: 13.76 min Scan# 2112
 Delta R.T. -0.01 min
 Lab File: VX015701.D
 Acq: 16 Apr 2020 10:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	475143		
223	62.8	31.9	95.7	
227	64.2	30.4	91.3	





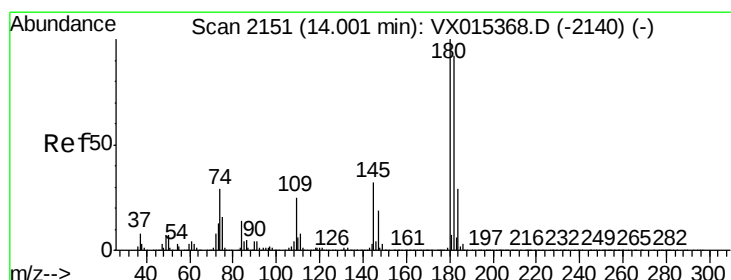
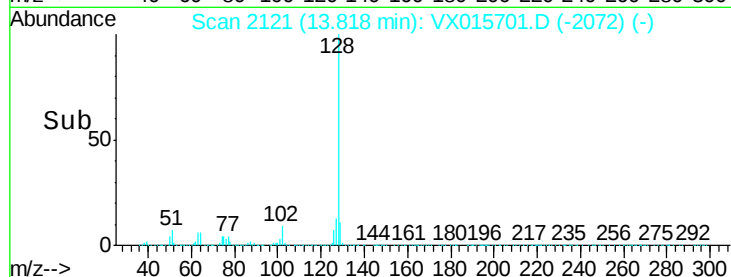
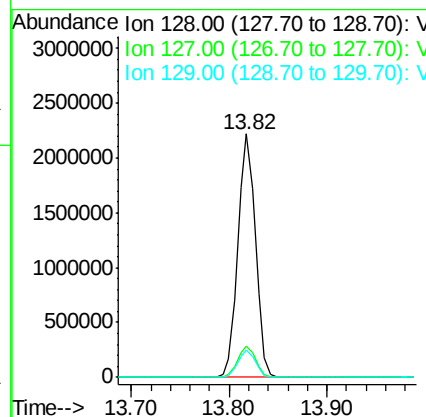
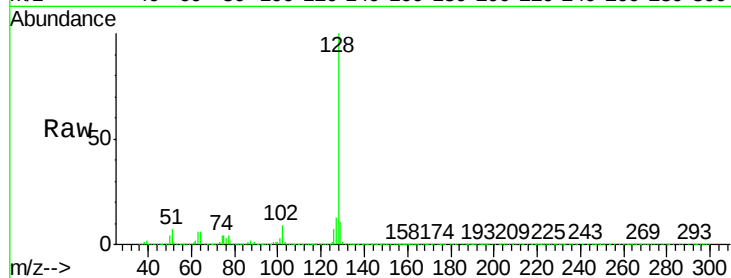
#95
Naphthalene
Concen: 49.592 ug/l
RT: 13.82 min Scan# 2121
Delta R.T. -0.00 min
Lab File: VX015701.D
Acq: 16 Apr 2020 10:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	15.8
129	11.1	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
4/17/2020 11:55:25 AM



#96
1,2,3-Trichlorobenzene
Concen: 54.813 ug/l
RT: 14.00 min Scan# 2151
Delta R.T. -0.00 min
Lab File: VX015701.D
Acq: 16 Apr 2020 10:23

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	46.7	140.0
145	31.2	15.8	47.3

