

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041320\
 Data File : VX015644.D
 Acq On : 13 Apr 2020 16:03
 Operator : JC/SP
 Sample : VX0413WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0413WBS01

Manual Integrations
 APPROVED

MMDadoda
 4/14/2020 10:11:48 AM

Quant Time: Apr 13 17:57:32 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	5.64	168	1121258	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1716679	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1574141	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	846368	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	714066	45.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.30%	
35) Dibromofluoromethane	5.47	113	532612	48.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.08%	
50) Toluene-d8	8.70	98	1989795	49.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.50%	
62) 4-Bromofluorobenzene	11.12	95	797808	48.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	172115	17.423	ug/l	100
3) Chloromethane	1.31	50	212712	16.909	ug/l	100
4) Vinyl Chloride	1.39	62	218401	18.907	ug/l	96
5) Bromomethane	1.63	94	147816	23.469	ug/l	98
6) Chloroethane	1.72	64	136232	19.016	ug/l	98
7) Trichlorofluoromethane	1.92	101	297538	19.207	ug/l	98
8) Diethyl Ether	2.17	74	124127	18.997	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	190956	18.909	ug/l	97
10) Methyl Iodide	2.49	142	196027	14.397	ug/l	98
11) Tert butyl alcohol	3.01	59	285996	75.556	ug/l	99
12) 1,1-Dichloroethene	2.36	96	192867	18.219	ug/l	98
13) Acrolein	2.27	56	95045	44.080	ug/l	95
14) Allyl chloride	2.71	41	428535	17.325	ug/l	100
15) Acrylonitrile	3.12	53	644153	89.235	ug/l	99
16) Acetone	2.42	43	581893	85.647	ug/l	97
17) Carbon Disulfide	2.55	76	525392	16.270	ug/l	99
18) Methyl Acetate	2.75	43	310379	17.899	ug/l	99
19) Methyl tert-butyl Ether	3.17	73	755126	18.392	ug/l	100
20) Methylene Chloride	2.84	84	220910	17.408	ug/l	95
21) trans-1,2-Dichloroethene	3.14	96	210467	17.915	ug/l	99
22) Diisopropyl ether	3.83	45	804732	18.360	ug/l	98
23) Vinyl Acetate	3.79	43	3603719	90.811	ug/l	100
24) 1,1-Dichloroethane	3.67	63	405380	17.566	ug/l	99
25) 2-Butanone	4.64	43	939526	85.987	ug/l	98
26) 2,2-Dichloropropane	4.56	77	342796	18.097	ug/l	99
27) cis-1,2-Dichloroethene	4.57	96	245555	18.066	ug/l	97
28) Bromochloromethane	4.99	49	207161	18.802	ug/l	97
29) Tetrahydrofuran	5.09	42	614797	87.525	ug/l	99
30) Chloroform	5.18	83	411181	18.520	ug/l	100
31) Cyclohexane	5.56	56	365487	18.257	ug/l	99
32) 1,1,1-Trichloroethane	5.47	97	371020	18.465	ug/l	99
36) 1,1-Dichloropropene	5.78	75	303081	19.161	ug/l	99
37) Ethyl Acetate	4.80	43	373021	18.112	ug/l	100
38) Carbon Tetrachloride	5.76	117	323988	18.911	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041320\
 Data File : VX015644.D
 Acq On : 13 Apr 2020 16:03
 Operator : JC/SP
 Sample : VX0413WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0413WBS01

Manual Integrations
 APPROVED

MMDadoda
 4/14/2020 10:11:48 AM

Quant Time: Apr 13 17:57:32 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	350899	19.241	ug/l	98
40) Benzene	6.12	78	878439	18.959	ug/l	98
41) Methacrylonitrile	5.01	41	212229	18.563	ug/l	97
42) 1,2-Dichloroethane	6.17	62	352426	18.936	ug/l	99
43) Isopropyl Acetate	6.42	43	631410	18.161	ug/l	99
44) Trichloroethene	7.19	130	245185	19.403	ug/l	97
45) 1,2-Dichloropropane	7.50	63	240994	19.013	ug/l	99
46) Dibromomethane	7.64	93	154396	18.570	ug/l	94
47) Bromodichloromethane	7.88	83	328154	18.523	ug/l	94
48) Methyl methacrylate	7.75	41	311597	17.943	ug/l	97
49) 1,4-Dioxane	7.72	88	109328	337.478	ug/l	98
51) 4-Methyl-2-Pentanone	8.62	43	1867603	94.787	ug/l	100
52) Toluene	8.77	92	563256	19.718	ug/l	99
53) t-1,3-Dichloropropene	9.03	75	367649	17.694	ug/l	96
54) cis-1,3-Dichloropropene	8.42	75	388873	18.373	ug/l	100
55) 1,1,2-Trichloroethane	9.20	97	231294	19.763	ug/l	95
56) Ethyl methacrylate	9.16	69	373668	18.117	ug/l	98
57) 1,3-Dichloropropane	9.36	76	398908	18.918	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	961047	95.793	ug/l	99
59) 2-Hexanone	9.48	43	1394603	93.752	ug/l	99
60) Dibromochloromethane	9.57	129	268163	19.068	ug/l	99
61) 1,2-Dibromoethane	9.65	107	243222	19.113	ug/l	99
64) Tetrachloroethene	9.32	164	229168	19.291	ug/l	93
65) Chlorobenzene	10.12	112	616933	19.652	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	239240	19.076	ug/l	98
67) Ethyl Benzene	10.24	91	1087190	19.526	ug/l	99
68) m/p-Xylenes	10.34	106	814582	39.289	ug/l	100
69) o-Xylene	10.68	106	394574	19.259	ug/l	98
70) Styrene	10.70	104	678320	18.815	ug/l	99
71) Bromoform	10.84	173	213811	18.727	ug/l #	100
73) Isopropylbenzene	11.01	105	1071511	19.322	ug/l	99
74) N-amyl acetate	10.89	43	536668	17.400	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.25	83	348800	18.330	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	323987m	18.615	ug/l	
77) Bromobenzene	11.24	156	290509	19.639	ug/l	95
78) n-propylbenzene	11.34	91	1191656	18.792	ug/l	99
79) 2-Chlorotoluene	11.40	91	730332	18.791	ug/l	98
80) 1,3,5-Trimethylbenzene	11.49	105	906985	19.150	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.06	75	115054	15.861	ug/l	95
82) 4-Chlorotoluene	11.49	91	863258	18.946	ug/l	100
83) tert-Butylbenzene	11.76	119	906700	19.599	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	938648	19.449	ug/l	99
85) sec-Butylbenzene	11.93	105	1051991	19.662	ug/l	99
86) p-Isopropyltoluene	12.05	119	1002481	20.183	ug/l	97
87) 1,3-Dichlorobenzene	12.01	146	506491	19.127	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	525362	19.477	ug/l	99
89) n-Butylbenzene	12.37	91	868476	19.349	ug/l	99
90) Hexachloroethane	12.58	117	167847	17.362	ug/l	92
91) 1,2-Dichlorobenzene	12.38	146	511989	19.756	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.98	75	84326	15.701	ug/l	92

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX041320\
Data File : VX015644.D
Acq On : 13 Apr 2020 16:03
Operator : JC/SP
Sample : VX0413WBS01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0413WBS01

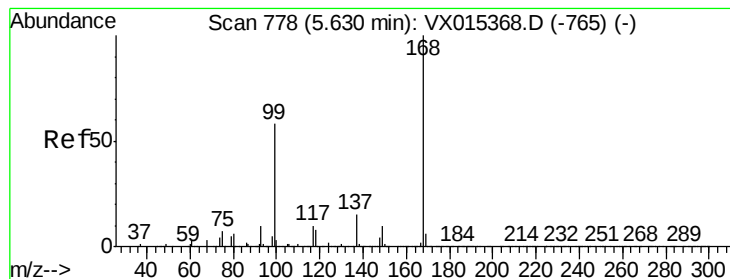
Manual Integrations
APPROVED

MMDadoda
4/14/2020 10:11:48 AM

Quant Time: Apr 13 17:57:32 2020
Quant Method : Z:\V0ASRV\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	389909	19.021	ug/l	99
94) Hexachlorobutadiene	13.77	225	180278	18.472	ug/l	92
95) Naphthalene	13.82	128	1190908	19.046	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	392786	19.902	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 779

Delta R.T. 0.01 min

Lab File: VX015644.D

Acq: 13 Apr 2020 16:03

Instrument :

MSVOA_X

ClientSampleId :

VX0413WBS01

Tot Ion:168 Resp: 1121258

Ion Ratio Lower Upper

168 100

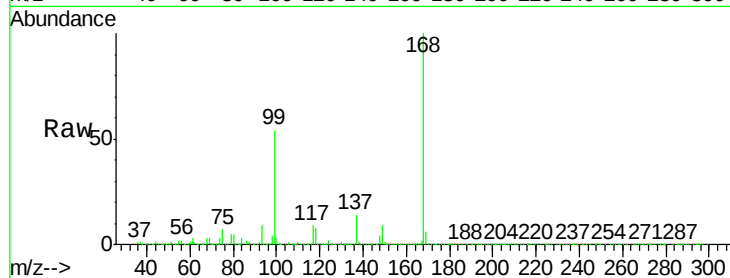
99 53.8 46.4 69.6

Manual Integrations

APPROVED

MMDadoda

4/14/2020 10:11:48 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

400000

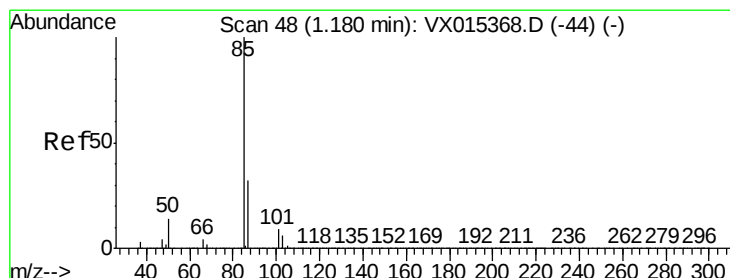
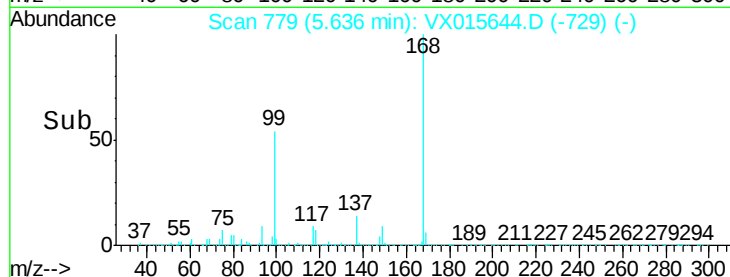
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 17.423 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.01 min

Lab File: VX015644.D

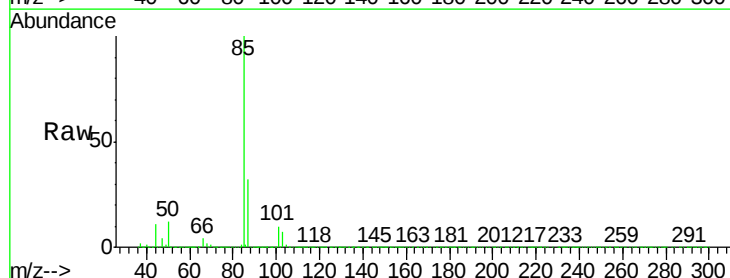
Acq: 13 Apr 2020 16:03

Tgt Ion: 85 Resp: 172115

Ion Ratio Lower Upper

85 100

87 31.8 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

200000

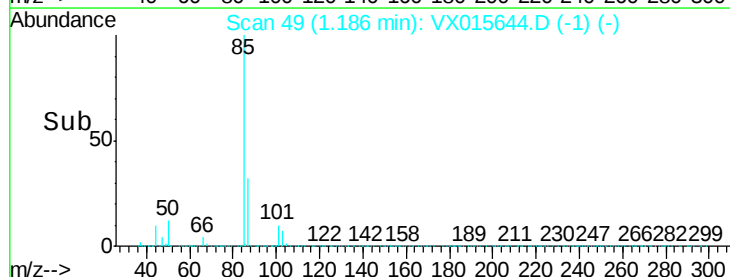
150000

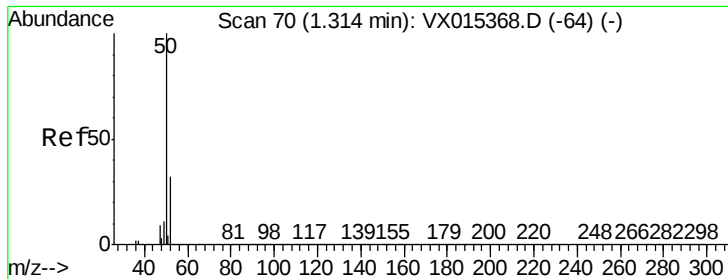
100000

50000

0

Time-->





#3

Chloromethane

Concen: 16.909 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX015644.D

Acq: 13 Apr 2020 16:03

Instrument :

MSVOA_X

ClientSampleId :

VX0413WBS01

Tot Ion: 50 Resp: 212712

Ion Ratio Lower Upper

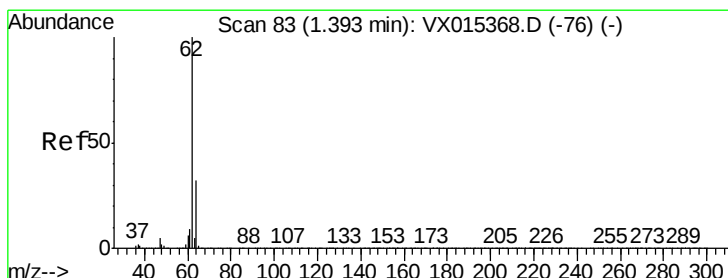
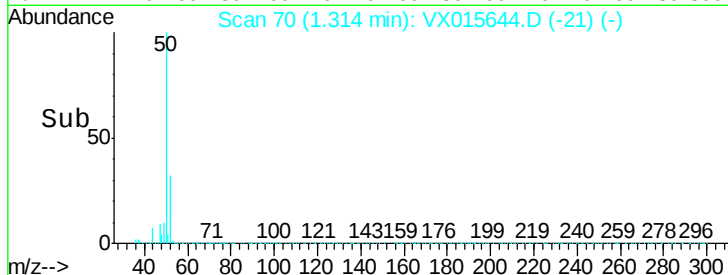
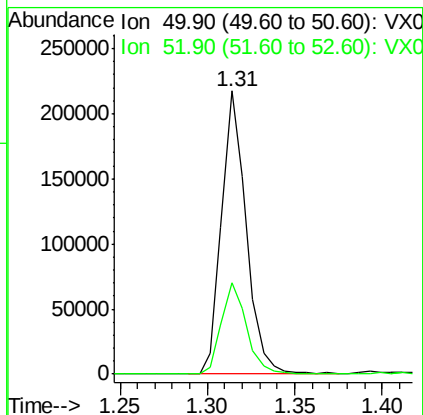
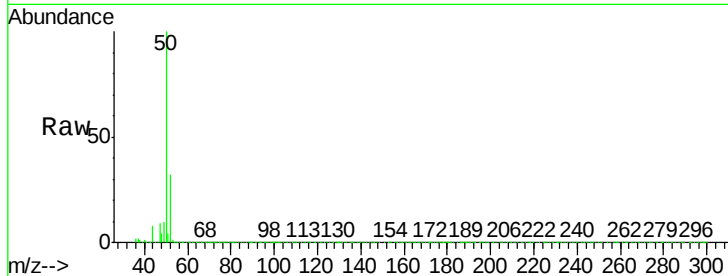
50 100

52 31.8 25.3 37.9

Manual Integrations
APPROVED

MMDadoda

4/14/2020 10:11:48 AM



#4

Vinyl Chloride

Concen: 18.907 ug/l

RT: 1.39 min Scan# 83

Delta R.T. -0.00 min

Lab File: VX015644.D

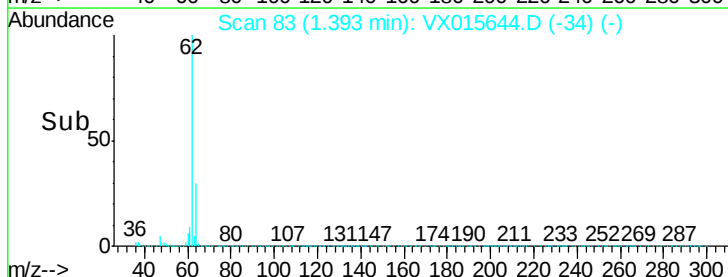
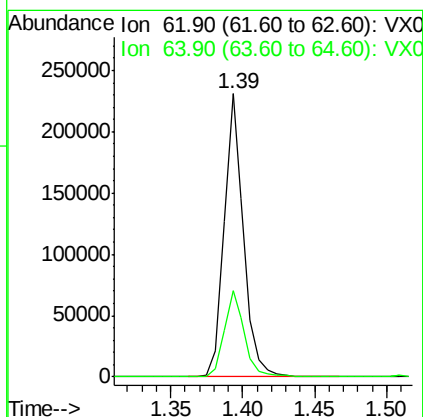
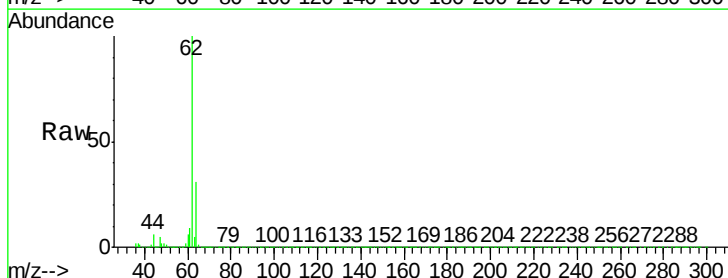
Acq: 13 Apr 2020 16:03

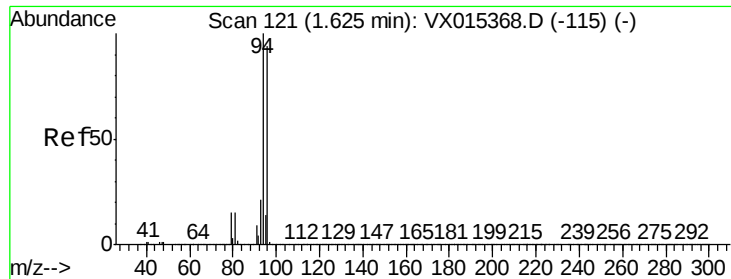
Tgt Ion: 62 Resp: 218401

Ion Ratio Lower Upper

62 100

64 30.4 26.0 39.0





#5

Bromomethane

Concen: 23.469 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX015644.D

Acq: 13 Apr 2020 16:03

Instrument :

MSVOA_X

ClientSampleId :

VX0413WBS01

Tot Ion: 94 Resp: 147816

Ion Ratio Lower Upper

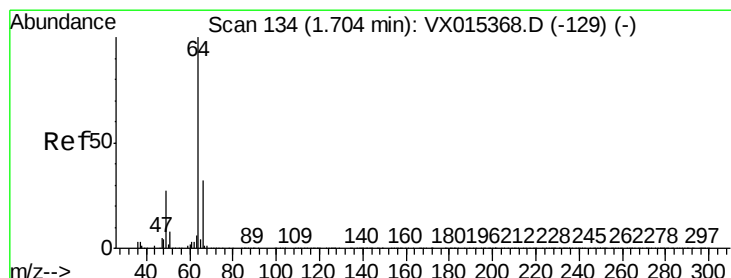
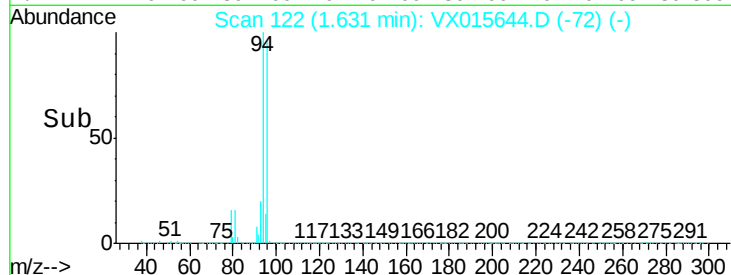
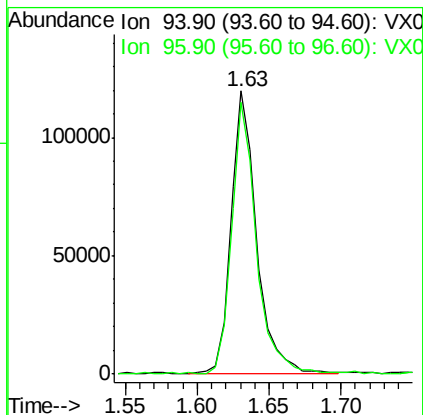
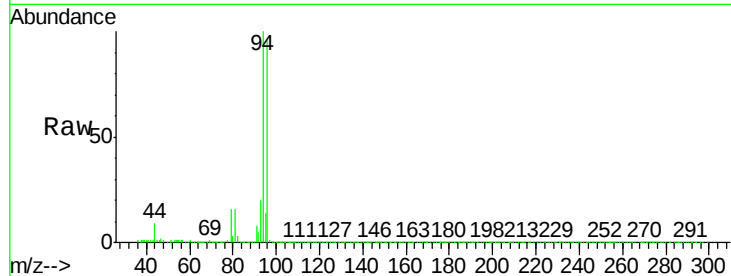
94 100

96 95.7 74.8 112.2

Manual Integrations
APPROVED

MMDadoda

4/14/2020 10:11:48 AM



#6

Chloroethane

Concen: 19.016 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX015644.D

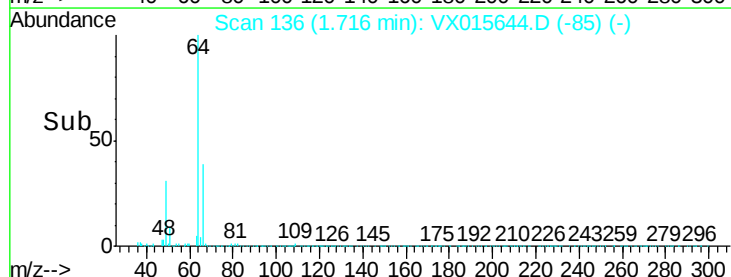
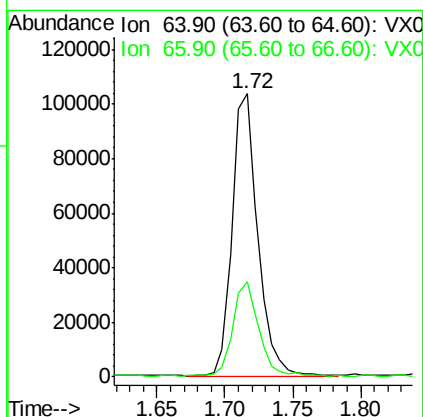
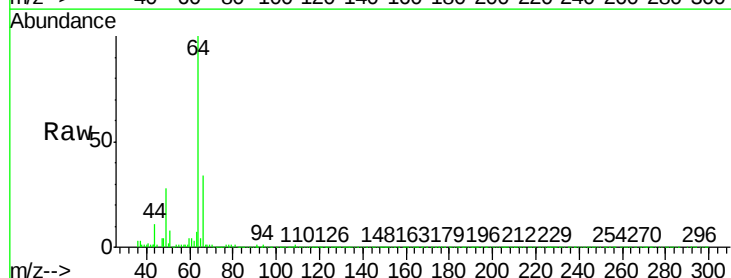
Acq: 13 Apr 2020 16:03

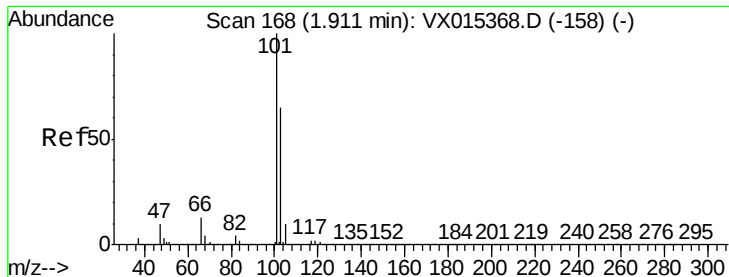
Tgt Ion: 64 Resp: 136232

Ion Ratio Lower Upper

64 100

66 33.0 25.4 38.2





#7

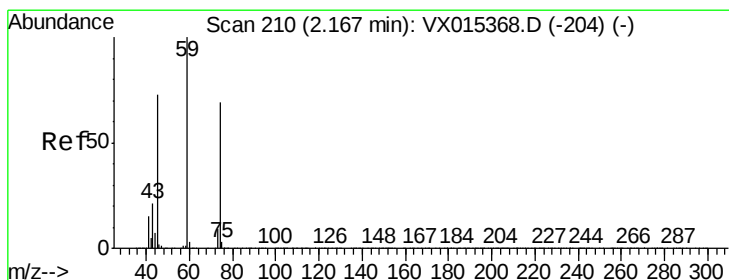
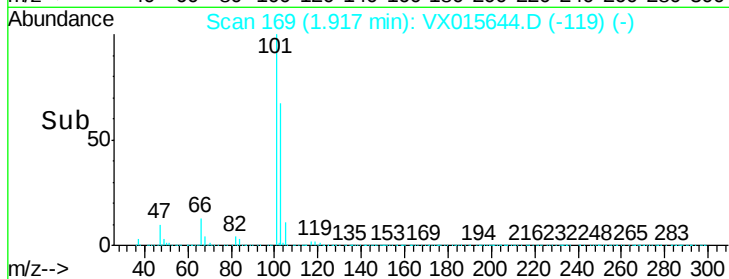
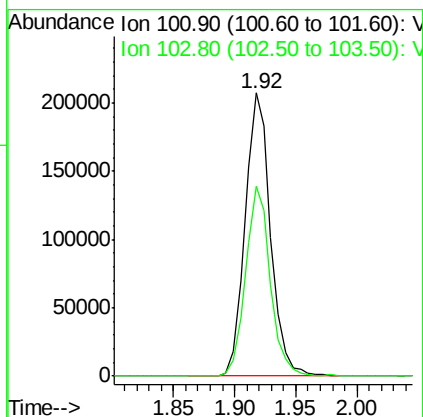
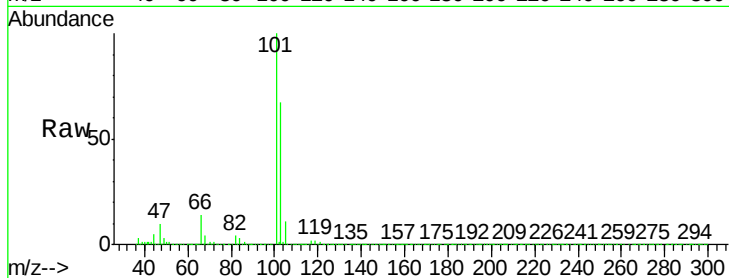
Trichlorofluoromethane
Concen: 19.207 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.01 min
Lab File: VX015644.D
Acq: 13 Apr 2020 16:03

Instrument :
MSVOA_X
ClientSampleId :
VX0413WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	297538		
103	67.2	52.3	78.5	

Manual Integrations
APPROVED

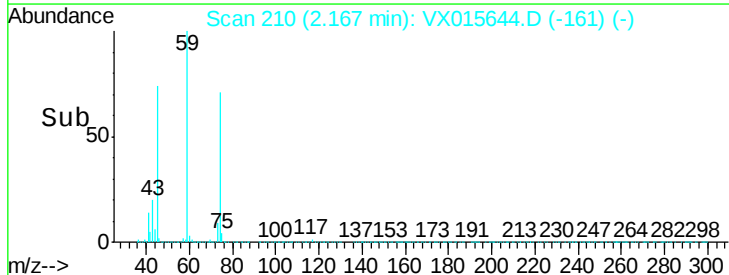
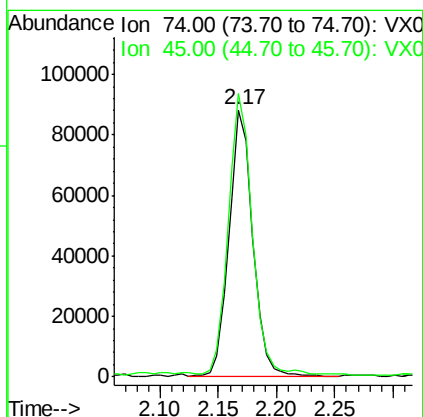
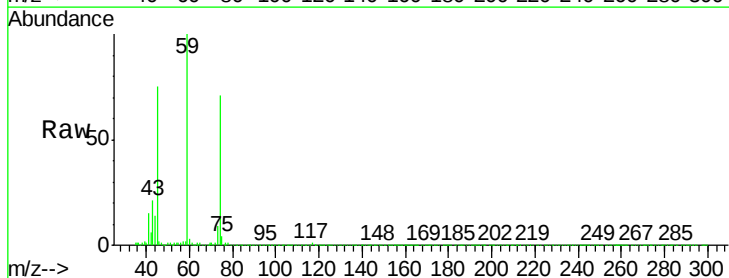
MMDadoda
4/14/2020 10:11:48 AM

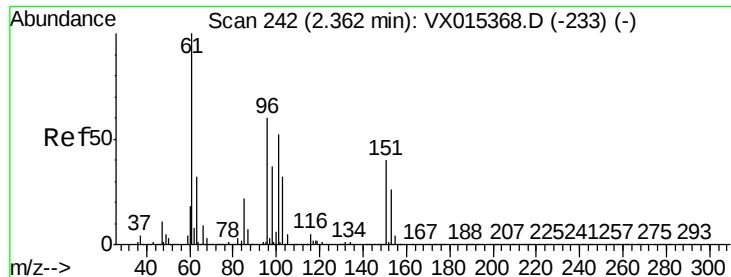


#8

Diethyl Ether
Concen: 18.997 ug/l
RT: 2.17 min Scan# 210
Delta R.T. -0.00 min
Lab File: VX015644.D
Acq: 13 Apr 2020 16:03

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	124127		
45	108.9	53.8	161.4	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.909 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.01 min

Lab File: VX015644.D

Acq: 13 Apr 2020 16:03

Instrument :

MSVOA_X

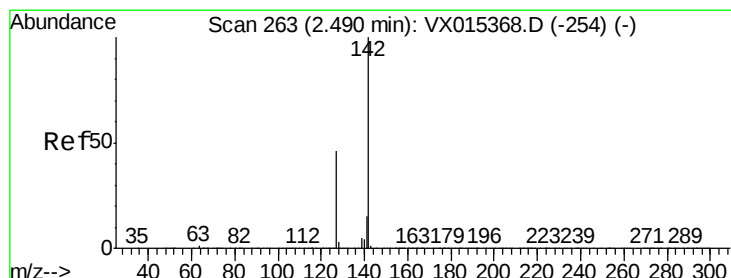
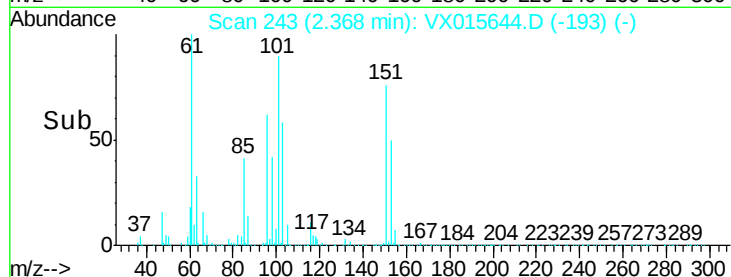
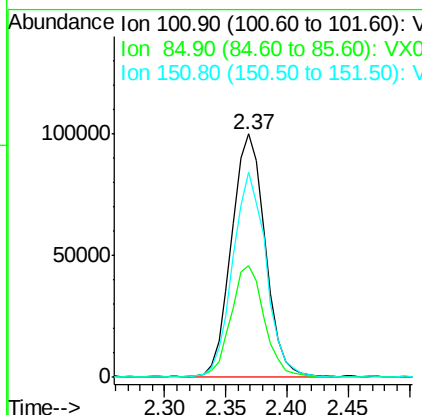
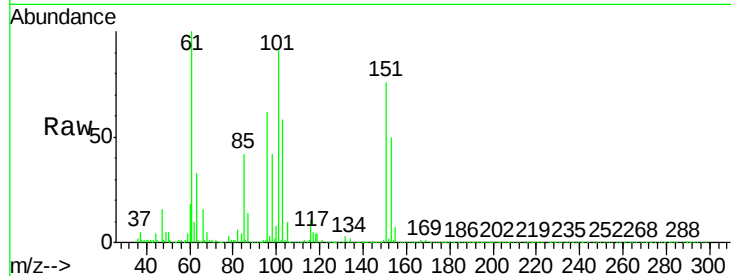
ClientSampleId :

VX0413WBS01

Tot Ion	Ratio	Resp Lower	Resp Upper
101	100		
85	45.1	35.0	52.4
151	83.1	64.1	96.1

Manual Integrations
APPROVED

MMDadoda
4/14/2020 10:11:48 AM



#10

Methyl Iodide

Concen: 14.397 ug/l

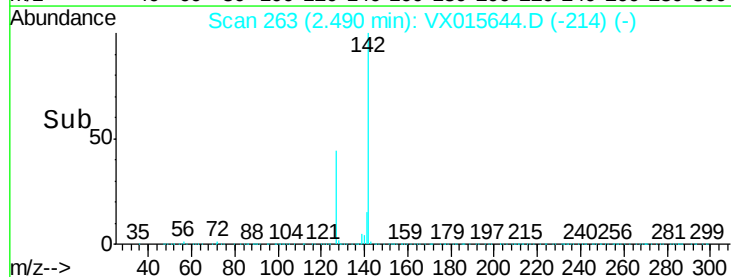
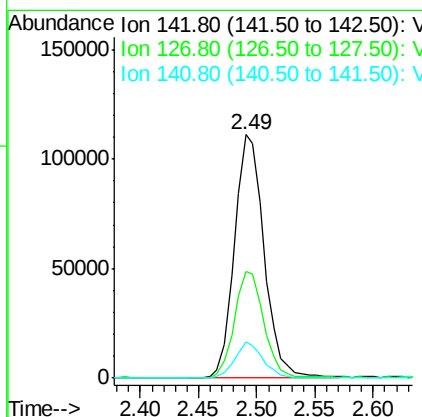
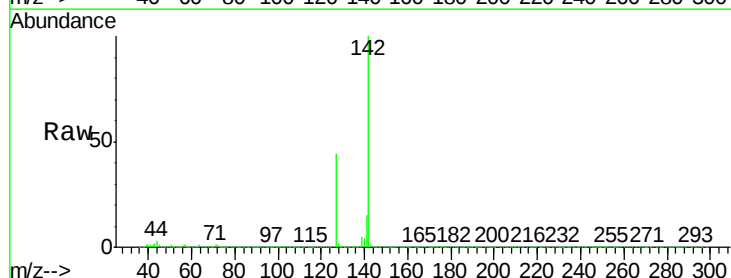
RT: 2.49 min Scan# 263

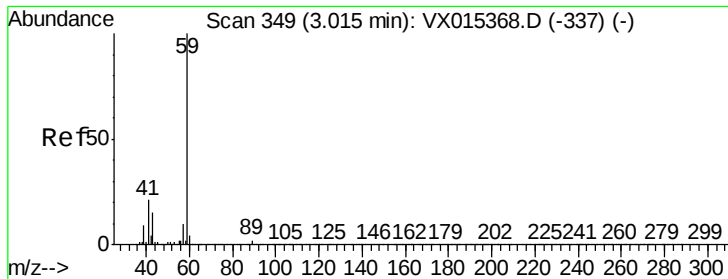
Delta R.T. -0.00 min

Lab File: VX015644.D

Acq: 13 Apr 2020 16:03

Tgt Ion	Ratio	Resp Lower	Resp Upper
142	100		
127	43.4	35.9	53.9
141	14.3	11.6	17.4





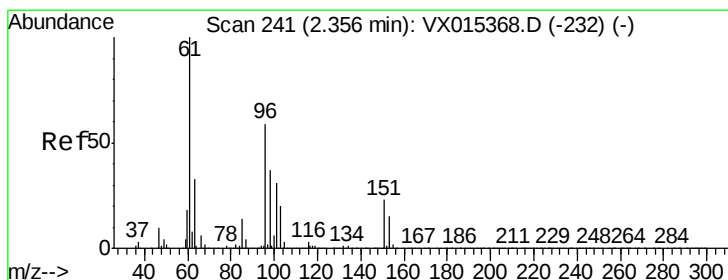
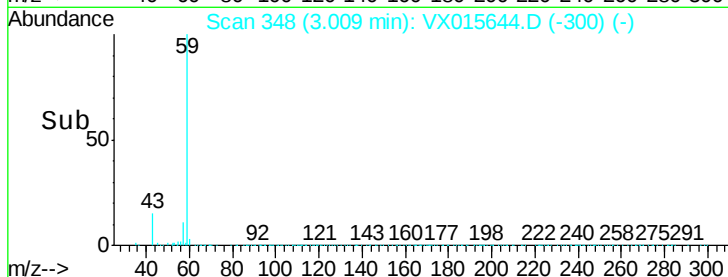
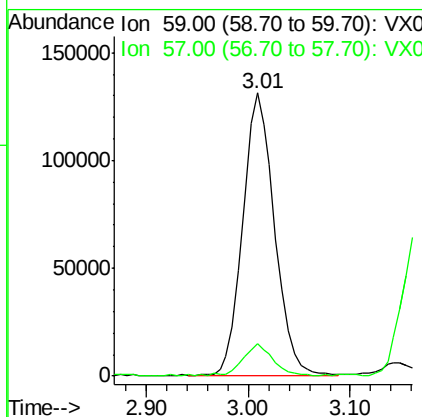
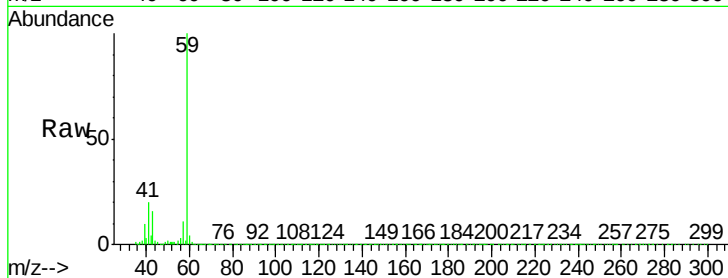
#11
Tert butyl alcohol
Concen: 75.556 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.01 min
Lab File: VX015644.D
Acq: 13 Apr 2020 16:03

Instrument :
MSVOA_X
ClientSampleId :
VX0413WBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	285996		
57	10.4		8.1	12.1

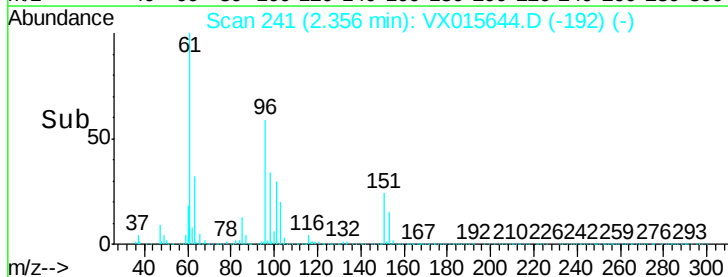
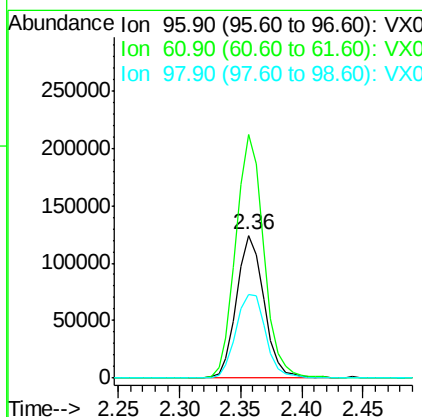
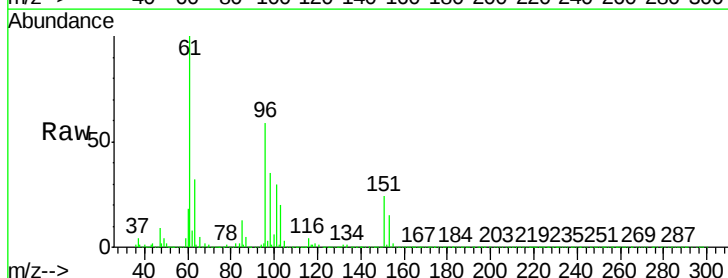
Manual Integrations
APPROVED

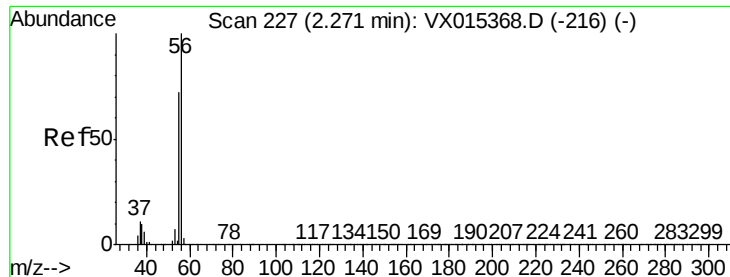
MMDadoda
4/14/2020 10:11:48 AM



#12
1,1-Dichloroethene
Concen: 18.219 ug/l
RT: 2.36 min Scan# 241
Delta R.T. -0.00 min
Lab File: VX015644.D
Acq: 13 Apr 2020 16:03

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	192867		
61	170.4		135.7	203.5
98	58.8		50.6	75.8





#13

Acrolein

Concen: 44.080 ug/l

RT: 2.27 min Scan# 227

Delta R.T. -0.00 min

Lab File: VX015644.D

Acq: 13 Apr 2020 16:03

Instrument :

MSVOA_X

ClientSampleId :

VX0413WBS01

Tot Ion: 56 Resp: 95045

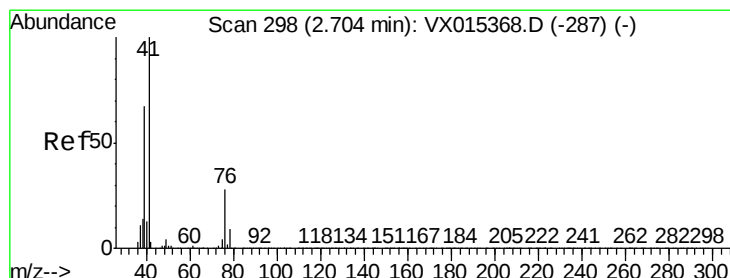
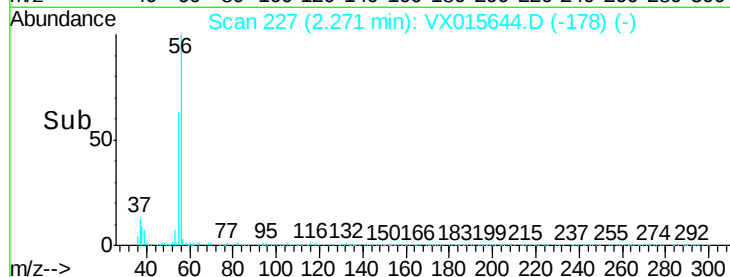
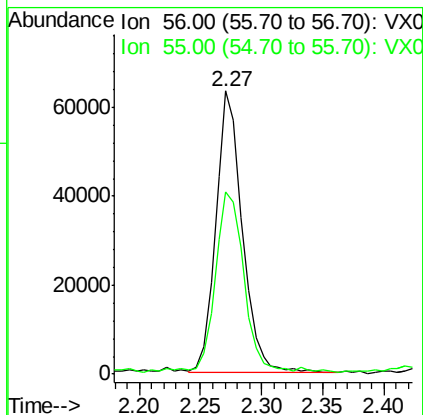
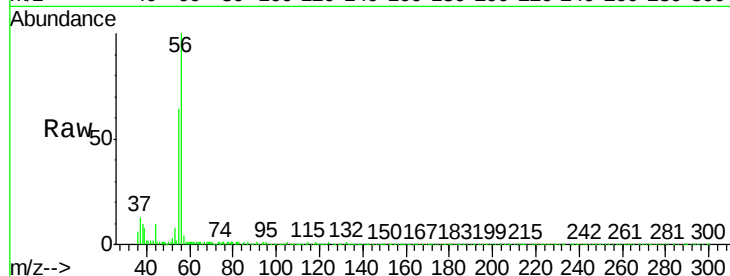
Ion Ratio Lower Upper

56 100

55 67.0 57.0 85.4

Manual Integrations
APPROVED

MMDadoda
4/14/2020 10:11:48 AM



#14

Allyl chloride

Concen: 17.325 ug/l

RT: 2.71 min Scan# 299

Delta R.T. 0.01 min

Lab File: VX015644.D

Acq: 13 Apr 2020 16:03

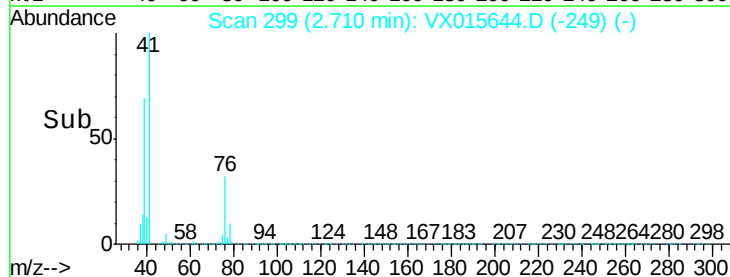
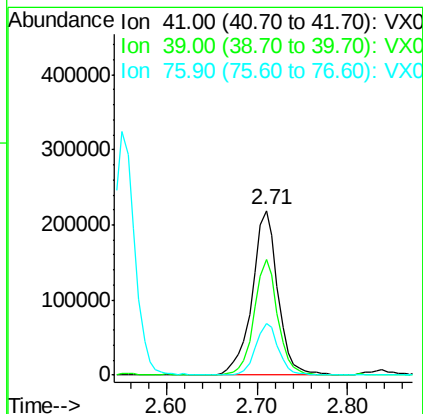
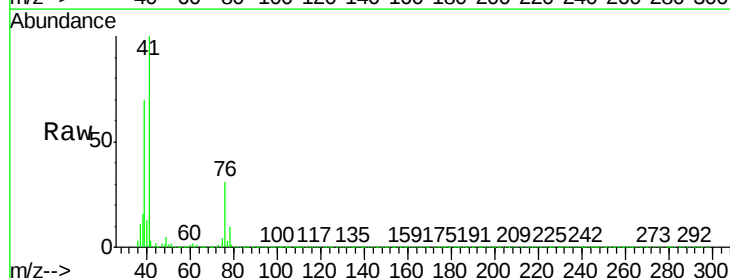
Tgt Ion: 41 Resp: 428535

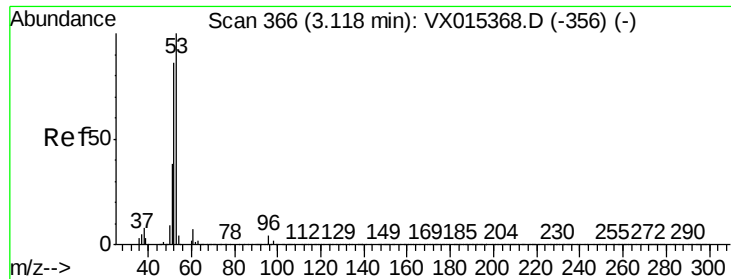
Ion Ratio Lower Upper

41 100

39 64.2 51.4 77.0

76 27.7 21.8 32.8





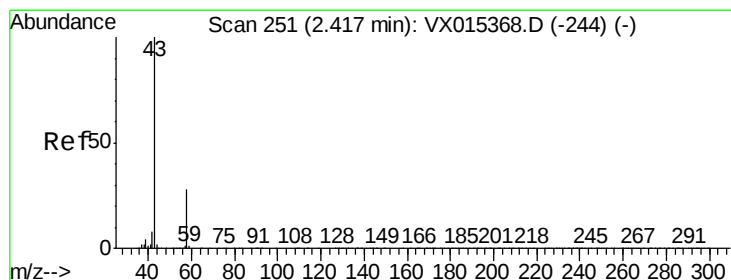
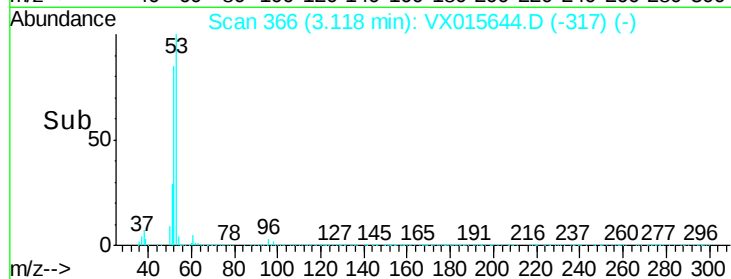
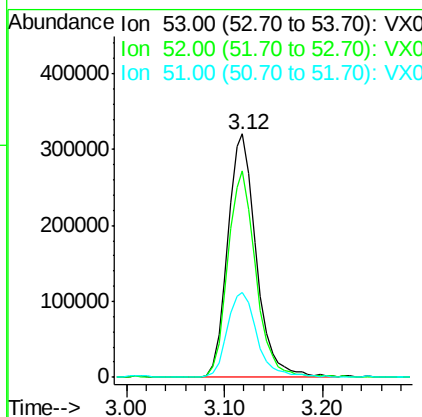
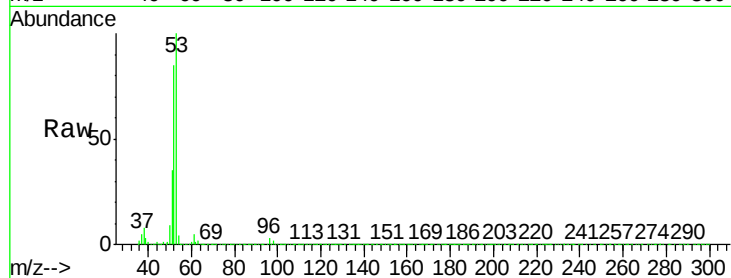
#15
 Acrylonitrile
 Concen: 89.235 ug/l
 RT: 3.12 min Scan# 366
 Delta R.T. -0.00 min
 Lab File: VX015644.D
 Acq: 13 Apr 2020 16:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0413WBS01

Tot Ion:	53	Resp:	644153
Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.8	100.2
51	36.4	29.5	44.3

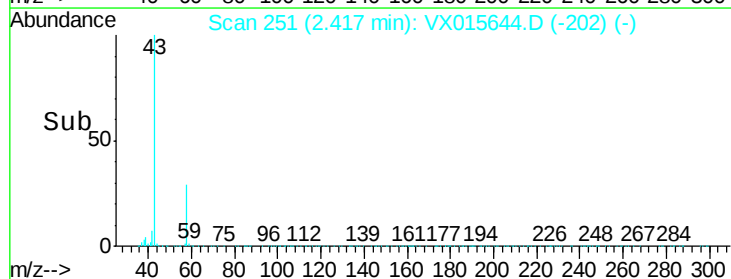
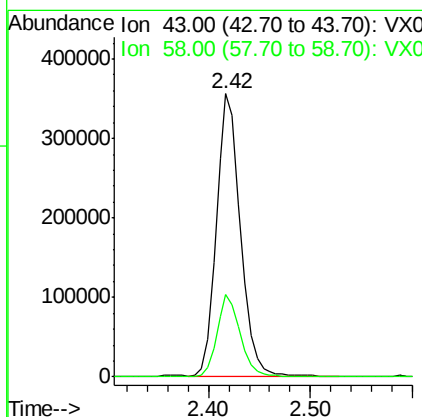
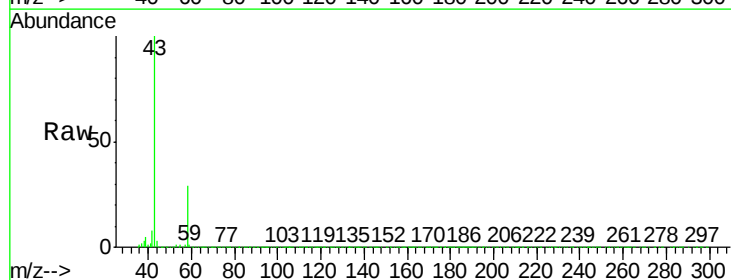
Manual Integrations
 APPROVED

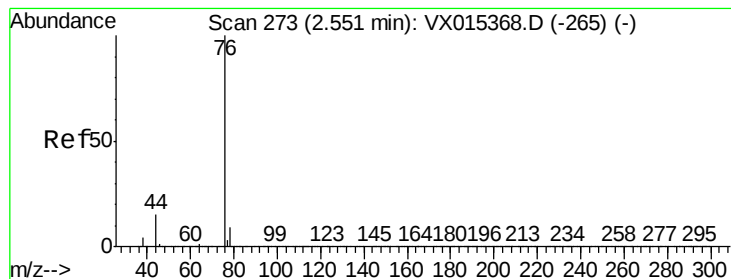
MMDadoda
 4/14/2020 10:11:48 AM



#16
 Acetone
 Concen: 85.647 ug/l
 RT: 2.42 min Scan# 251
 Delta R.T. -0.00 min
 Lab File: VX015644.D
 Acq: 13 Apr 2020 16:03

Tgt Ion:	43	Resp:	581893
Ion	Ratio	Lower	Upper
43	100		
58	28.9	22.1	33.1





#17

Carbon Disulfide

Concen: 16.270 ug/l

RT: 2.55 min Scan# 273

Delta R.T. -0.00 min

Lab File: VX015644.D

Acq: 13 Apr 2020 16:03

Instrument :

MSVOA_X

ClientSampleId :

VX0413WBS01

Tot Ion: 76 Resp: 525392

Ion Ratio Lower Upper

76 100

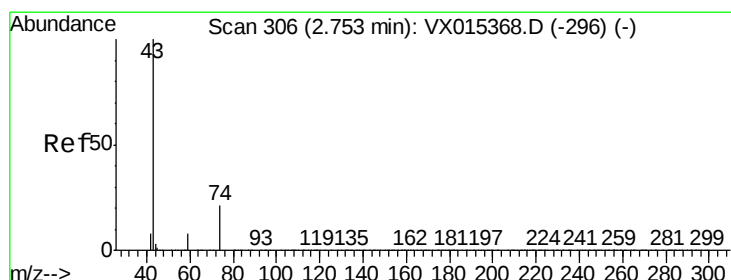
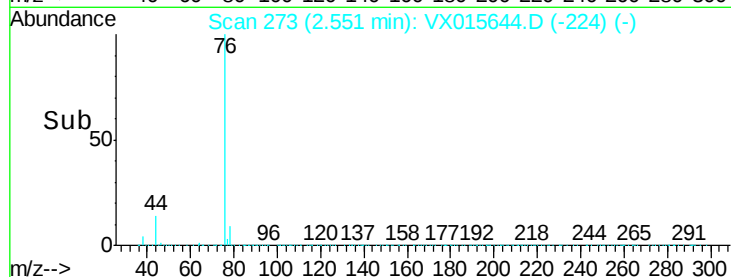
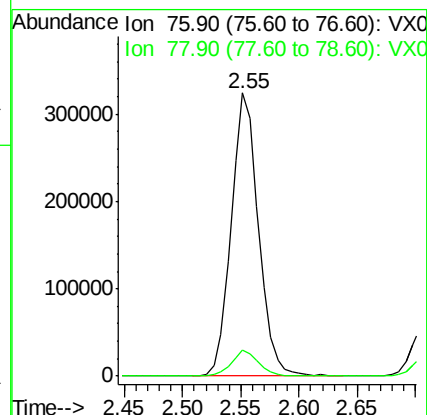
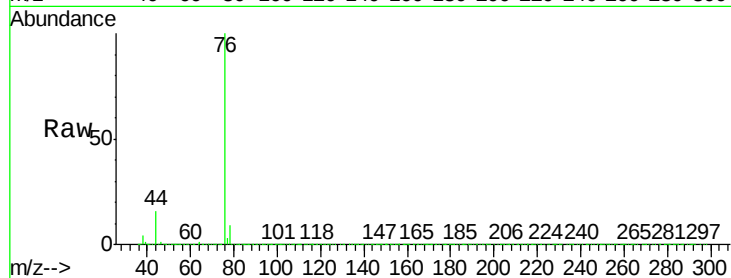
78 9.1 7.1 10.7

Manual Integrations

APPROVED

MMDadoda

4/14/2020 10:11:48 AM



#18

Methyl Acetate

Concen: 17.899 ug/l

RT: 2.75 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX015644.D

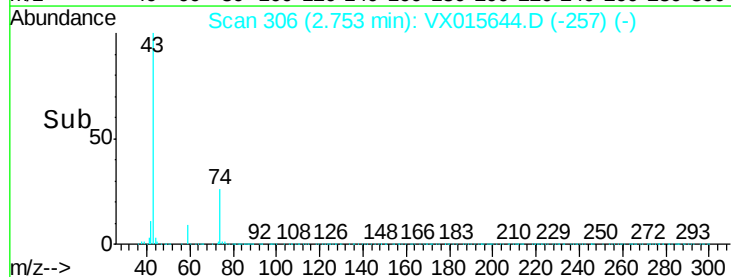
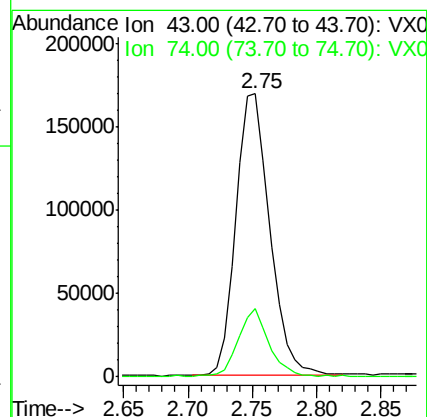
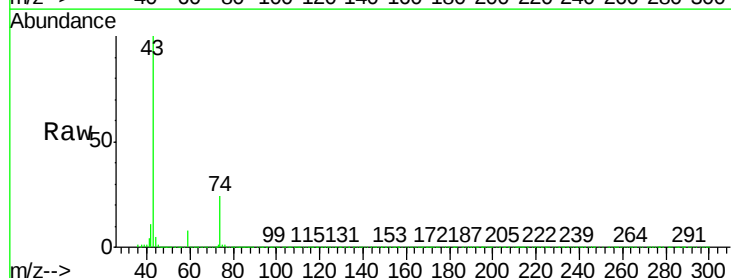
Acq: 13 Apr 2020 16:03

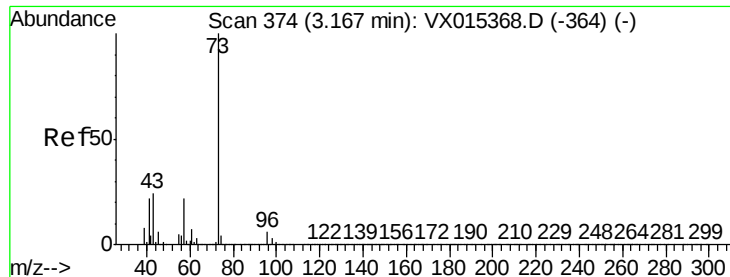
Tgt Ion: 43 Resp: 310379

Ion Ratio Lower Upper

43 100

74 21.2 16.5 24.7





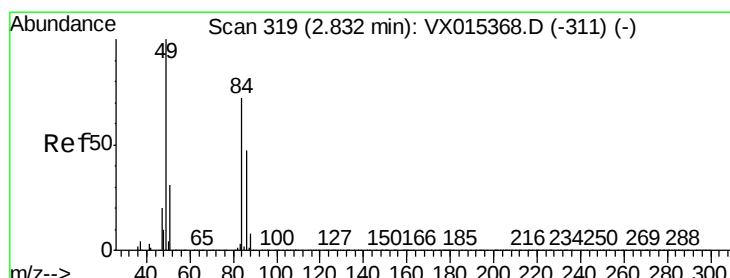
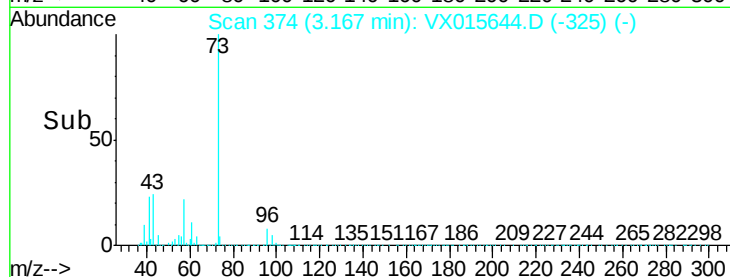
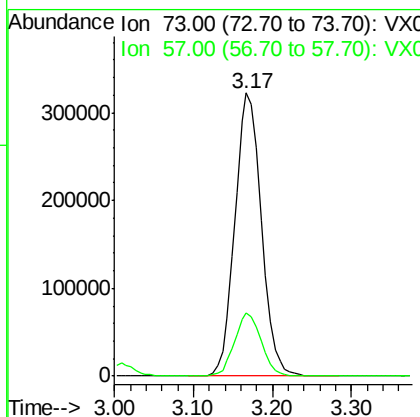
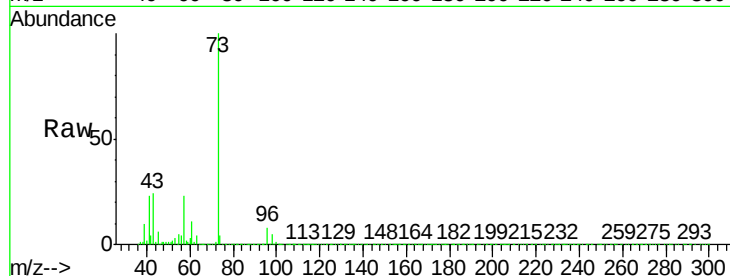
#19
Methvl tert-butvl Ether
Concen: 18.392 ug/l
RT: 3.17 min Scan# 374
Delta R.T. -0.00 min
Lab File: VX015644.D
Acq: 13 Apr 2020 16:03

Instrument :
MSVOA_X
ClientSampleId :
VX0413WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.4	17.9	26.9

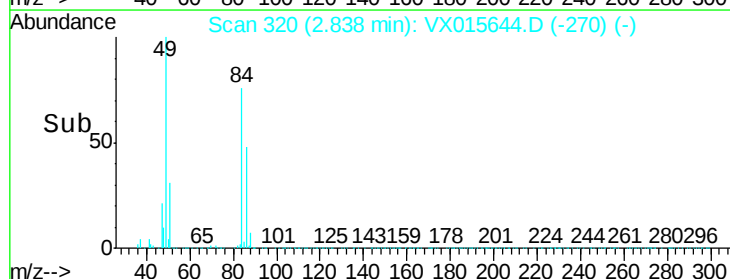
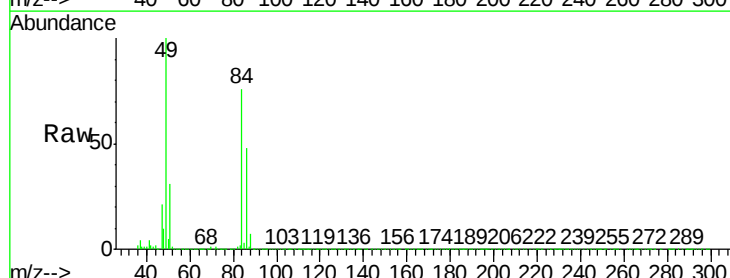
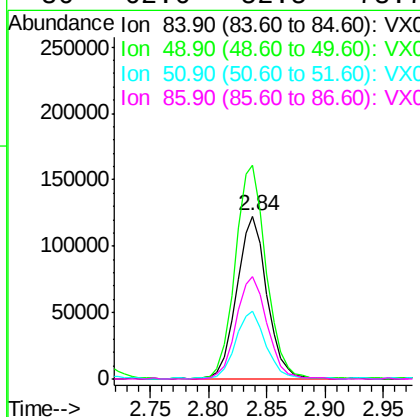
Manual Integrations
APPROVED

MMDadoda
4/14/2020 10:11:48 AM



#20
Methylene Chloride
Concen: 17.408 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.01 min
Lab File: VX015644.D
Acq: 13 Apr 2020 16:03

Tgt Ion	Ratio	Lower	Upper
84	100		
49	131.0	111.3	166.9
51	41.0	34.0	51.0
86	62.6	52.5	78.7





#21

trans-1,2-Dichloroethene

Concen: 17.915 ug/l

RT: 3.14 min Scan# 370

Delta R.T. -0.00 min

Lab File: VX015644.D

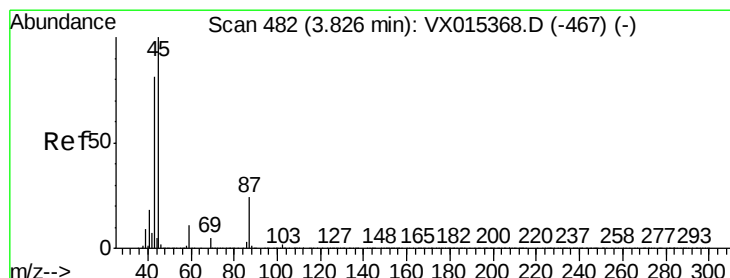
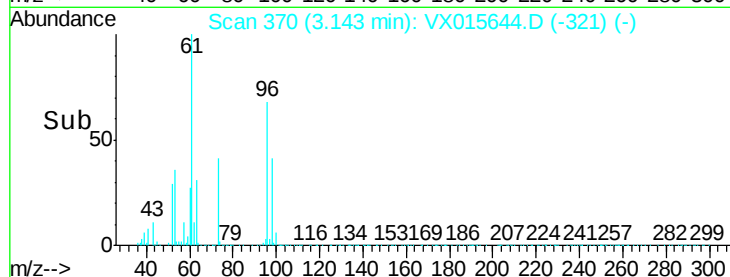
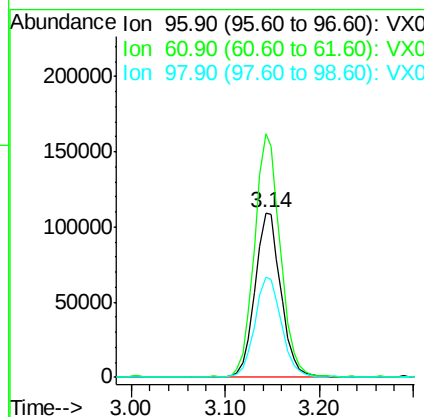
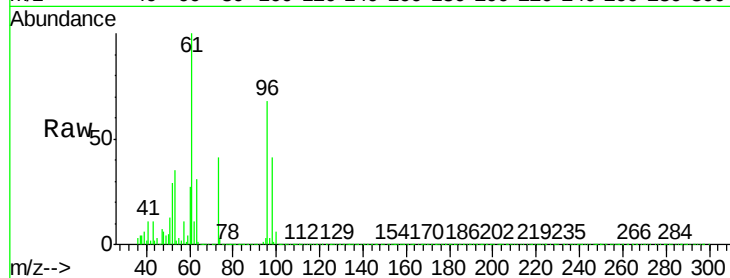
Acq: 13 Apr 2020 16:03

Tot Ion:	96	Resp:	210467
Ion	Ratio	Lower	Upper
96	100		
61	148.2	116.9	175.3
98	61.2	48.6	73.0

Instrument :
MSVOA_X
ClientSampleId :
VX0413WBS01

Manual Integrations
APPROVED

MMDadoda
4/14/2020 10:11:48 AM



#22

Diisopropyl ether

Concen: 18.360 ug/l

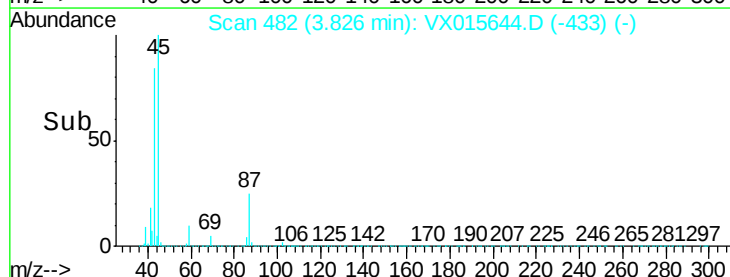
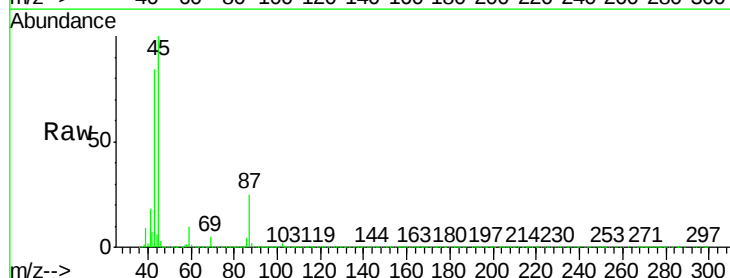
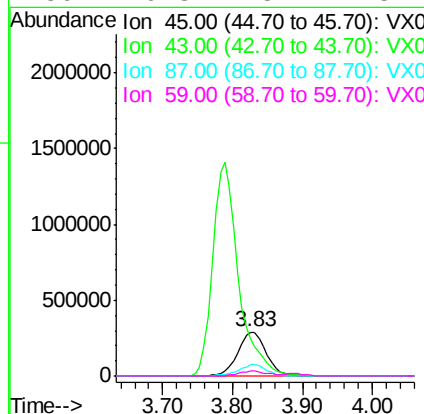
RT: 3.83 min Scan# 482

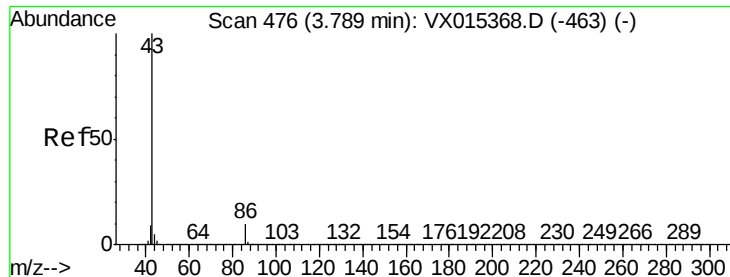
Delta R.T. -0.00 min

Lab File: VX015644.D

Acq: 13 Apr 2020 16:03

Tgt Ion:	45	Resp:	804732
Ion	Ratio	Lower	Upper
45	100		
43	83.0	64.7	97.1
87	25.1	19.4	29.0
59	10.3	8.7	13.1





#23

Vinyl Acetate

Concen: 90.811 ug/l

RT: 3.79 min Scan# 476

Delta R.T. -0.00 min

Lab File: VX015644.D

Acq: 13 Apr 2020 16:03

Instrument :

MSVOA_X

ClientSampleId :

VX0413WBS01

Tot Ion: 43 Resp: 3603719

Ion Ratio Lower Upper

43 100

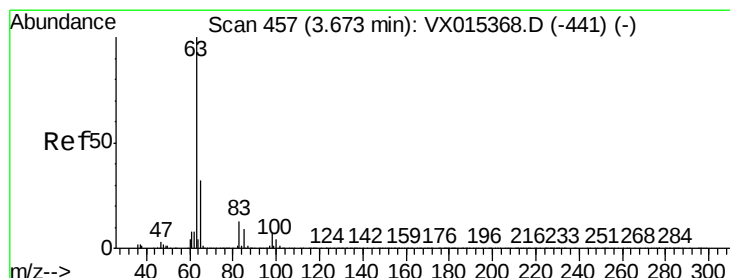
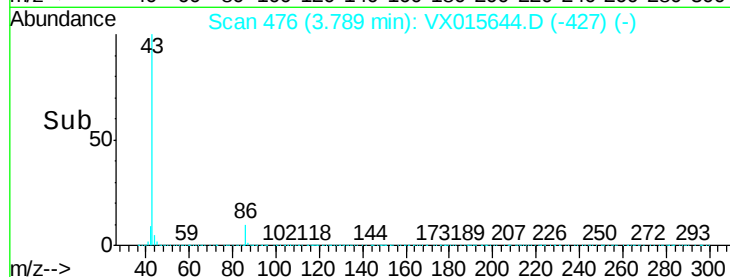
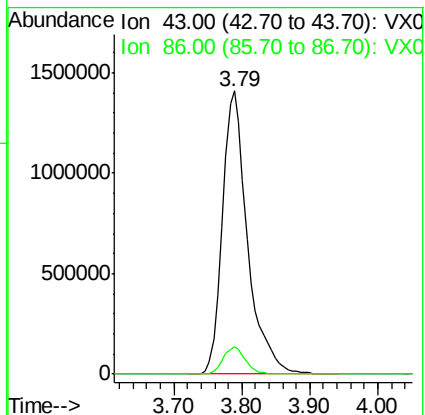
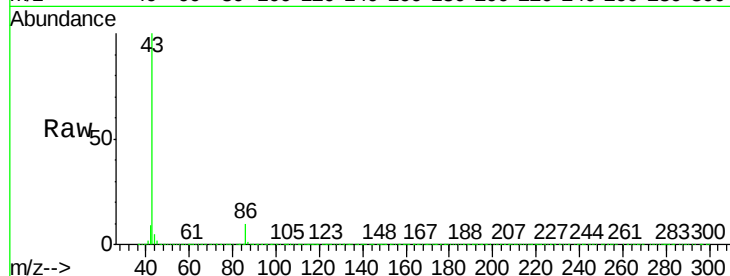
86 9.5 7.8 11.6

Manual Integrations

APPROVED

MMDadoda

4/14/2020 10:11:48 AM



#24

1,1-Dichloroethane

Concen: 17.566 ug/l

RT: 3.67 min Scan# 457

Delta R.T. -0.00 min

Lab File: VX015644.D

Acq: 13 Apr 2020 16:03

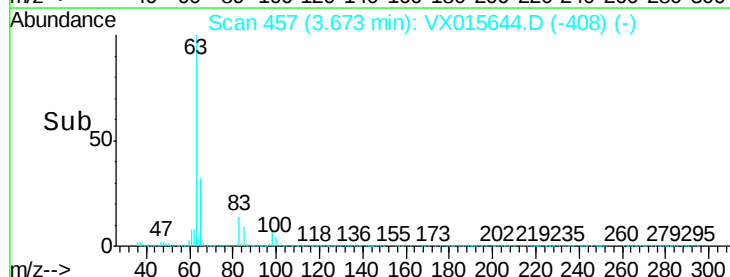
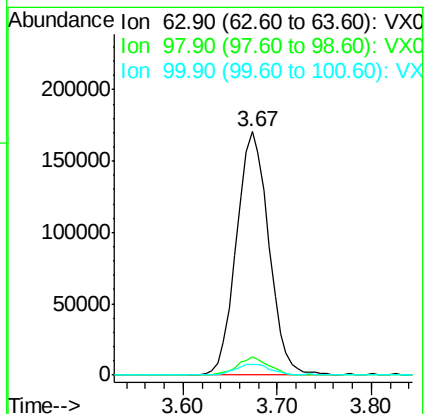
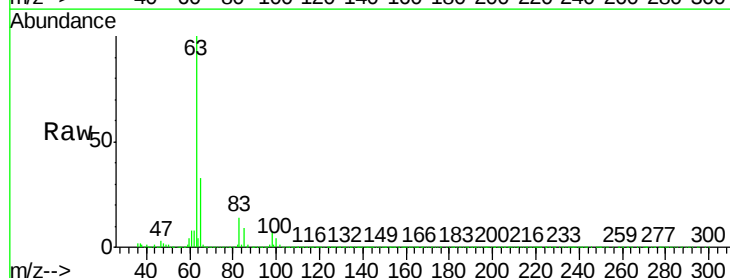
Tgt Ion: 63 Resp: 405380

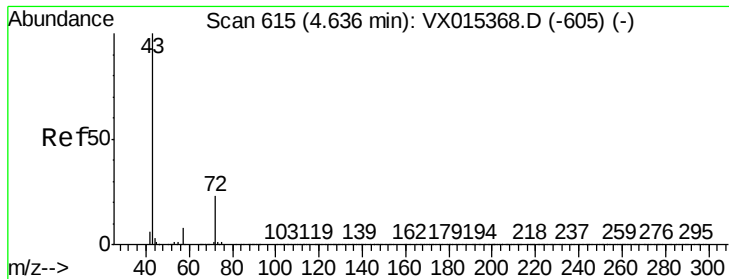
Ion Ratio Lower Upper

63 100

98 7.2 3.3 9.8

100 4.2 2.1 6.5





#25

2-Butanone

Concen: 85.987 ug/l

RT: 4.64 min Scan# 615

Delta R.T. -0.00 min

Lab File: VX015644.D

Acq: 13 Apr 2020 16:03

Instrument :

MSVOA_X

ClientSampleId :

VX0413WBS01

Tot Ion: 43 Resp: 939526

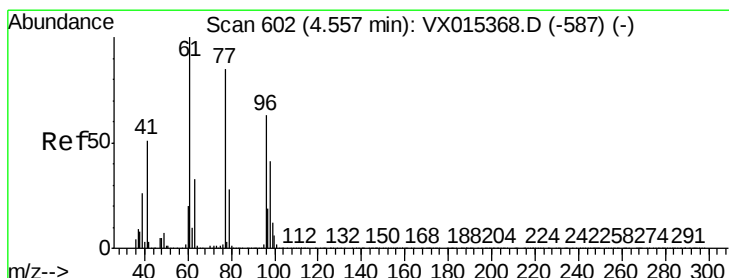
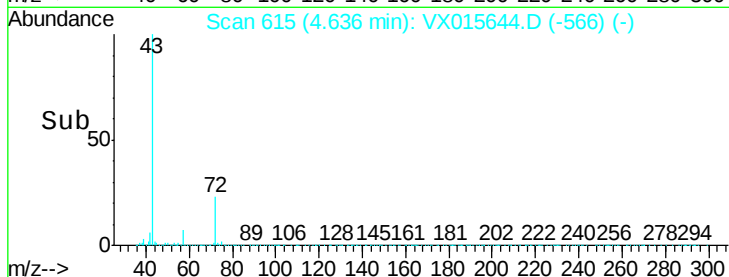
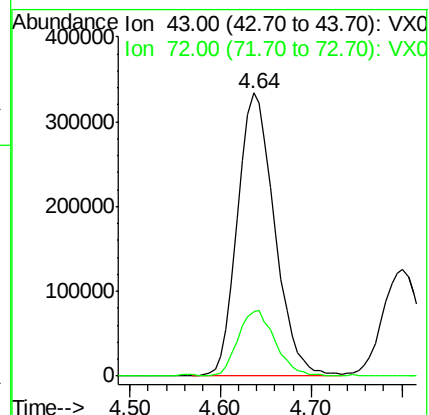
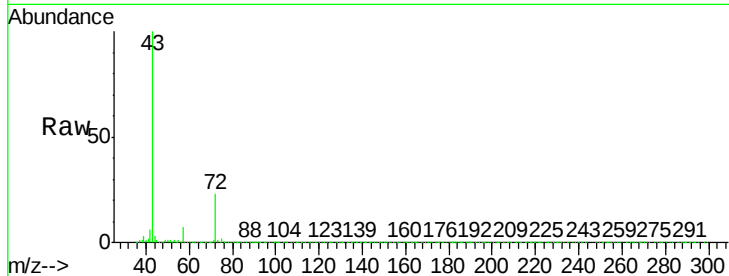
Ion Ratio Lower Upper

43 100

72 22.8 19.0 28.4

Manual Integrations
APPROVED

MMDadoda
4/14/2020 10:11:48 AM



#26

2,2-Dichloropropane

Concen: 18.097 ug/l

RT: 4.56 min Scan# 602

Delta R.T. -0.00 min

Lab File: VX015644.D

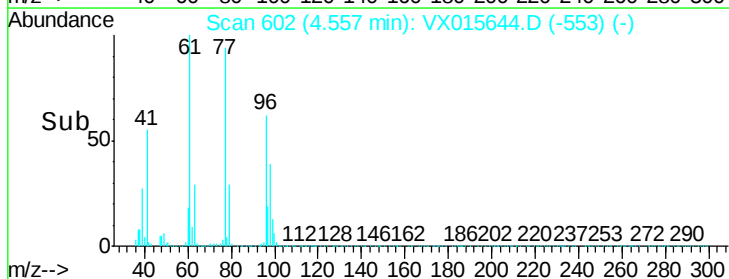
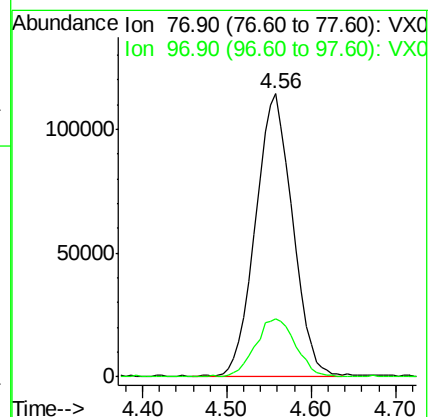
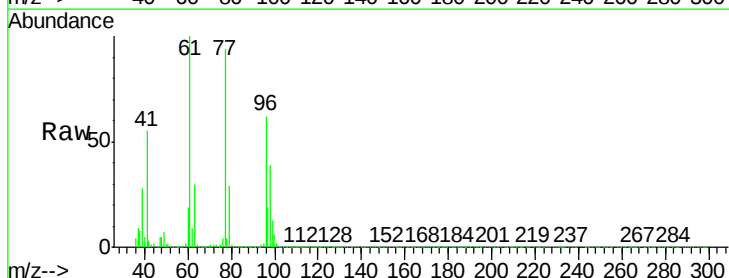
Acq: 13 Apr 2020 16:03

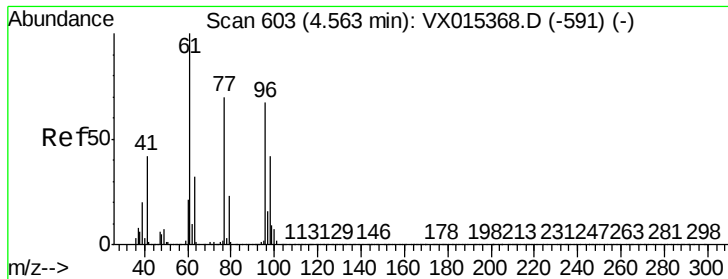
Tgt Ion: 77 Resp: 342796

Ion Ratio Lower Upper

77 100

97 21.9 11.3 33.8





#27

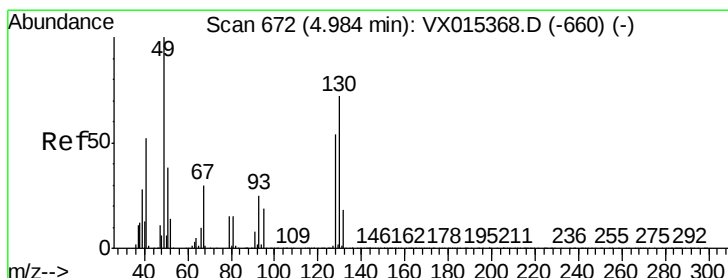
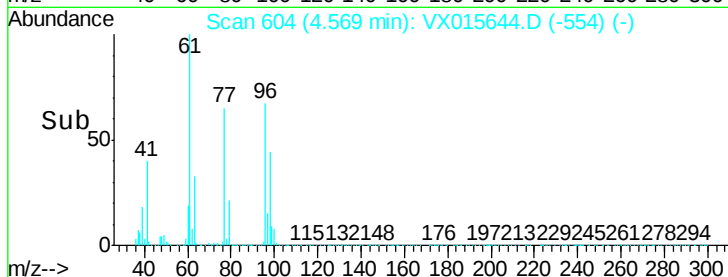
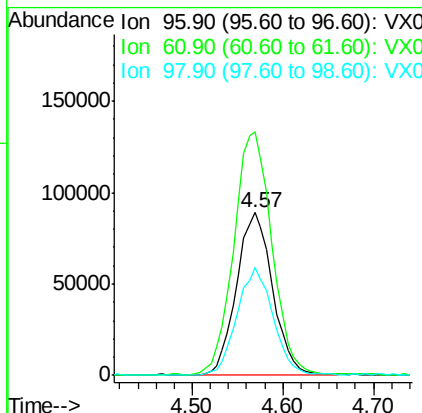
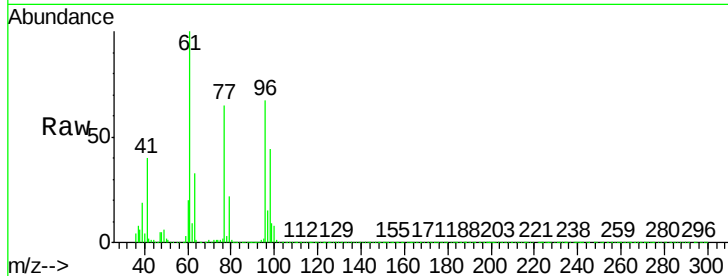
cis-1,2-Dichloroethene
Concen: 18.066 ug/l
RT: 4.57 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX015644.D
Acq: 13 Apr 2020 16:03

Instrument :
MSVOA_X
ClientSampleId :
VX0413WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	245555		
61	157.8	0.0	308.4	
98	66.7	0.0	129.2	

Manual Integrations
APPROVED

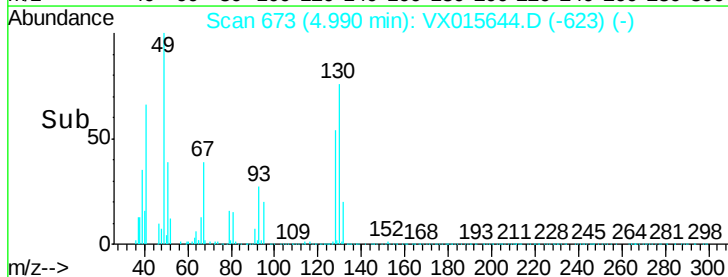
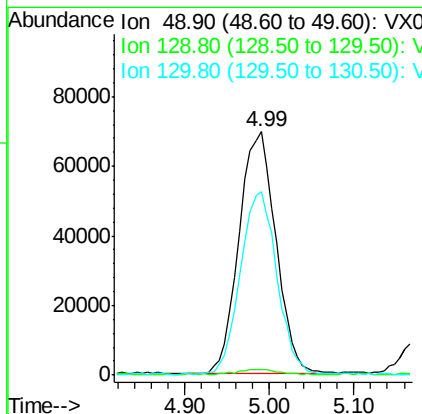
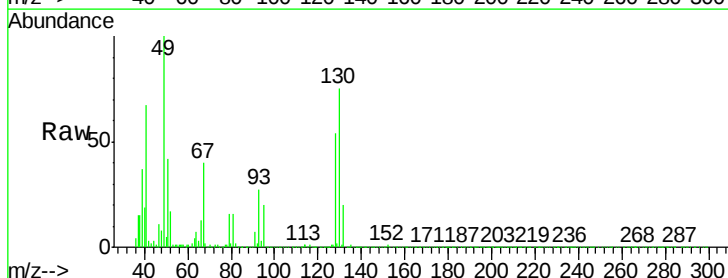
MMDadoda
4/14/2020 10:11:48 AM

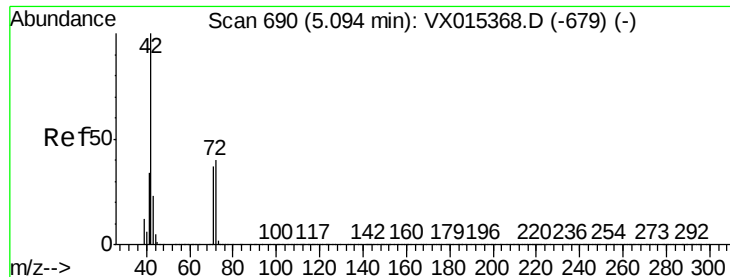


#28

Bromochloromethane
Concen: 18.802 ug/l
RT: 4.99 min Scan# 673
Delta R.T. 0.01 min
Lab File: VX015644.D
Acq: 13 Apr 2020 16:03

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	207161		
129	2.9	0.0	4.4	
130	74.8	57.7	86.5	





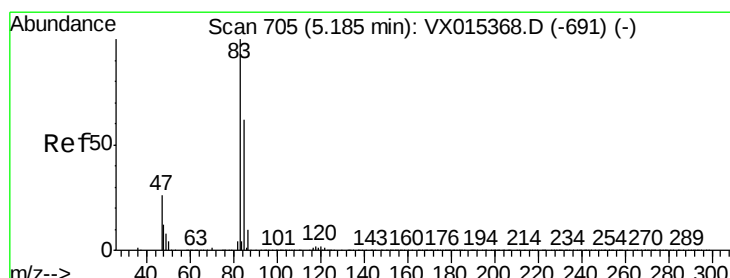
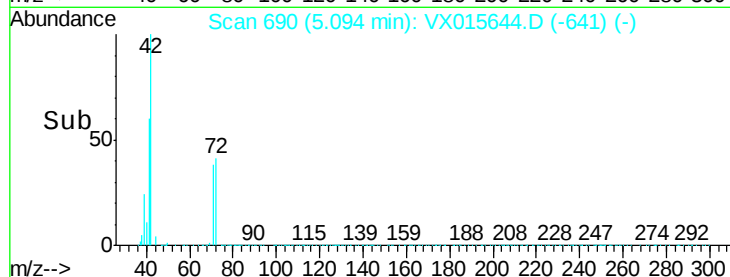
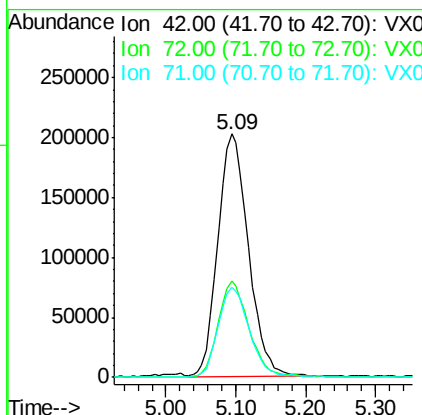
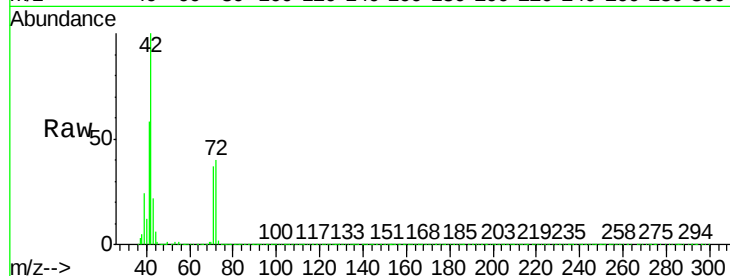
#29
Tetrahydrofuran
Concen: 87.525 ug/l
RT: 5.09 min Scan# 690
Delta R.T. -0.00 min
Lab File: VX015644.D
Acq: 13 Apr 2020 16:03

Instrument :
MSVOA_X
ClientSampleId :
VX0413WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.6	31.7	47.5
71	37.5	29.6	44.4

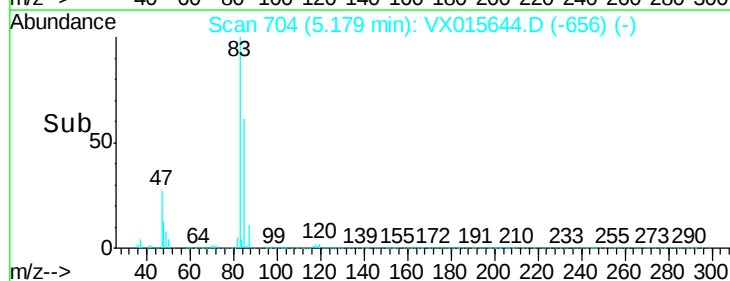
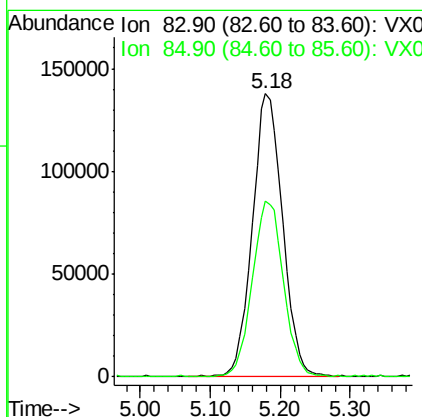
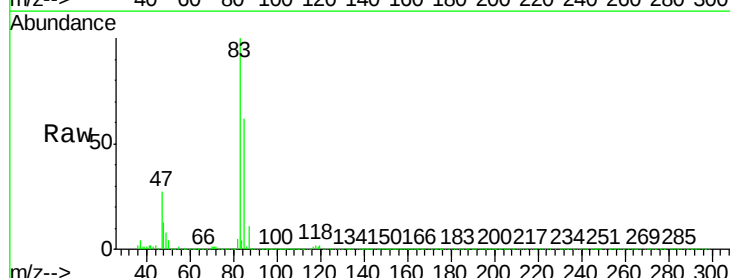
Manual Integrations
APPROVED

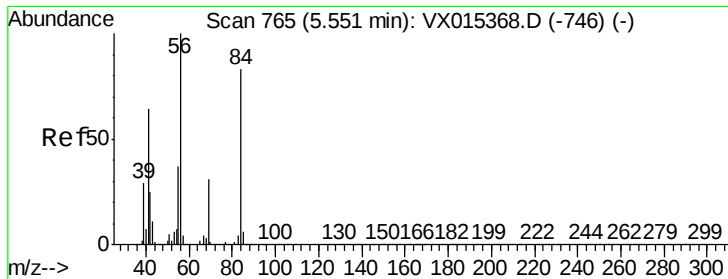
MMDadoda
4/14/2020 10:11:48 AM



#30
Chloroform
Concen: 18.520 ug/l
RT: 5.18 min Scan# 704
Delta R.T. -0.01 min
Lab File: VX015644.D
Acq: 13 Apr 2020 16:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.1	49.5	74.3





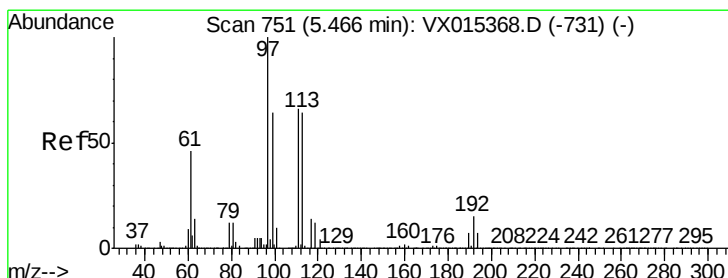
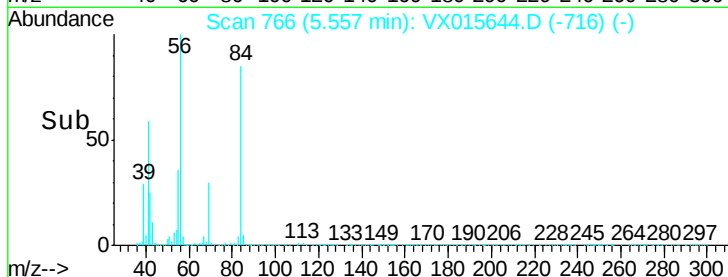
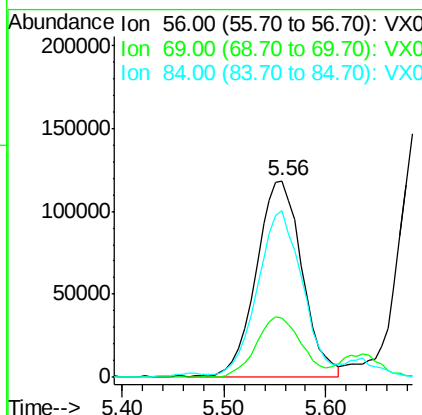
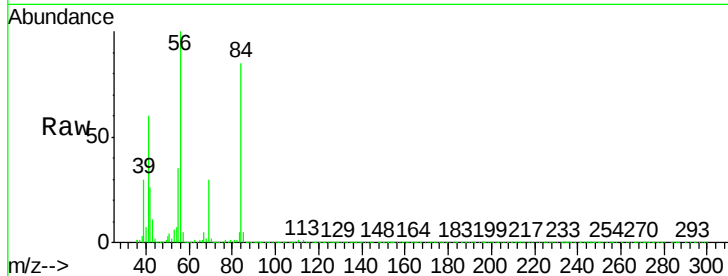
#31
Cyclohexane
Concen: 18.257 ug/l
RT: 5.56 min Scan# 766
Delta R.T. 0.01 min
Lab File: VX015644.D
Acq: 13 Apr 2020 16:03

Instrument :
MSVOA_X
ClientSampleId :
VX0413WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.1	24.6	36.8
84	83.0	66.1	99.1

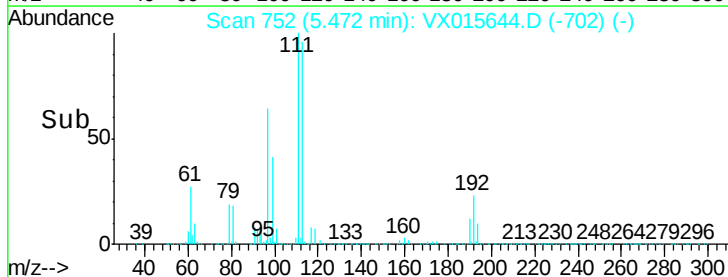
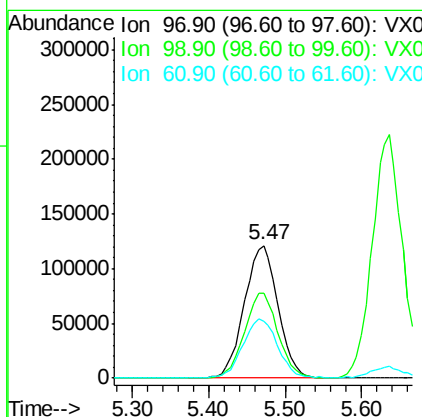
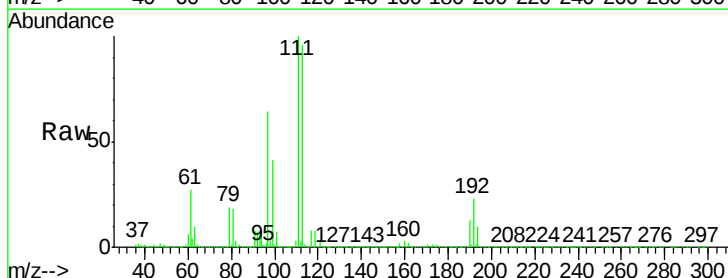
Manual Integrations
APPROVED

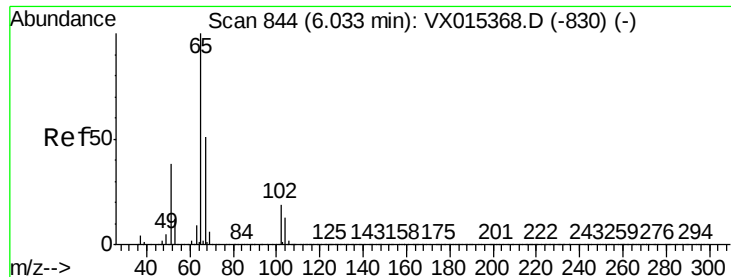
MMDadoda
4/14/2020 10:11:48 AM



#32
1,1,1-Trichloroethane
Concen: 18.465 ug/l
RT: 5.47 min Scan# 752
Delta R.T. 0.01 min
Lab File: VX015644.D
Acq: 13 Apr 2020 16:03

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.0	76.4
61	46.0	36.1	54.1





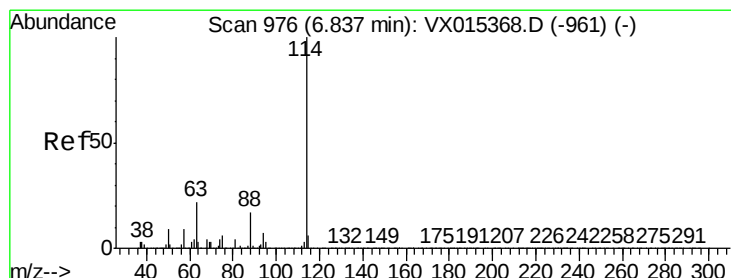
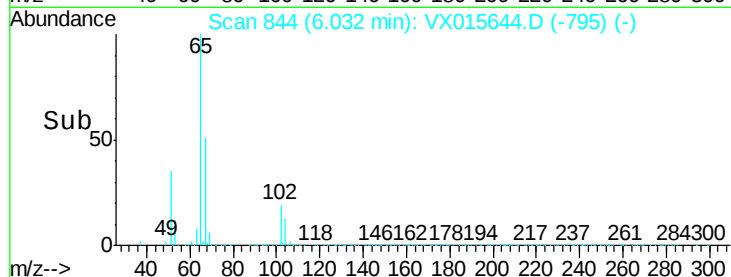
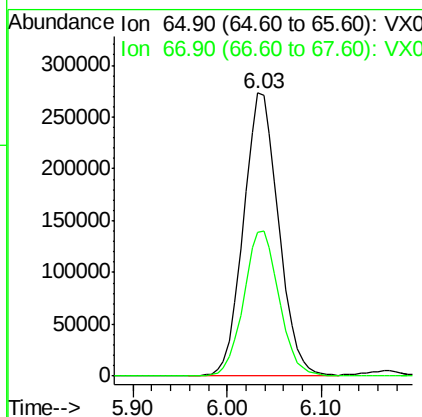
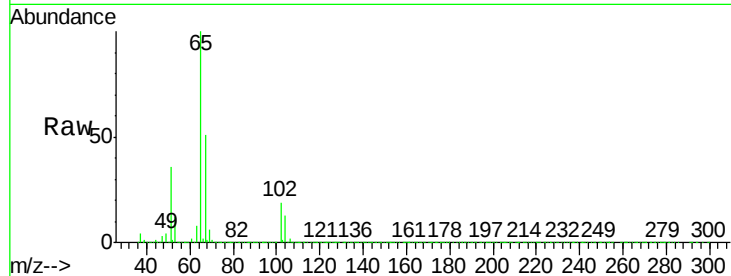
#33
 1,2-Dichloroethane-d4
 Concen: 45.154 ug/l
 RT: 6.03 min Scan# 844
 Delta R.T. -0.00 min
 Lab File: VX015644.D
 Acq: 13 Apr 2020 16:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0413WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	102.6

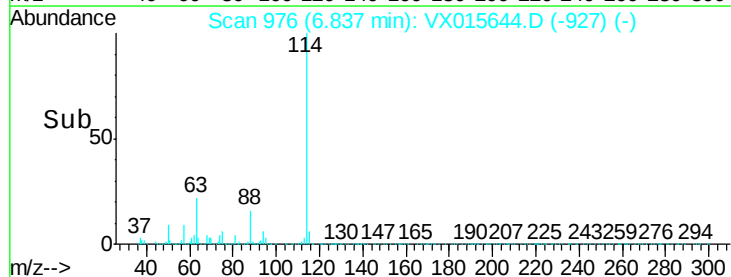
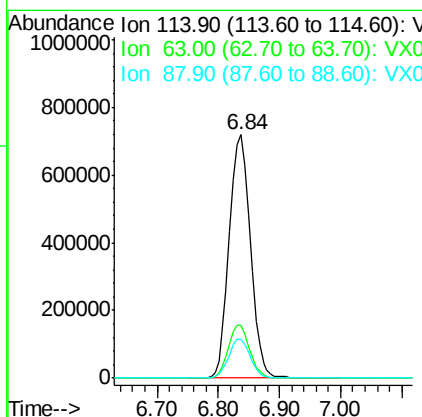
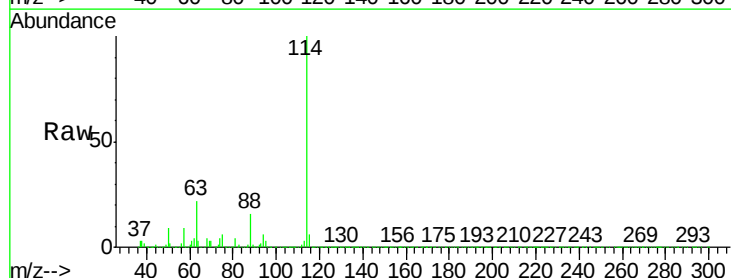
Manual Integrations
 APPROVED

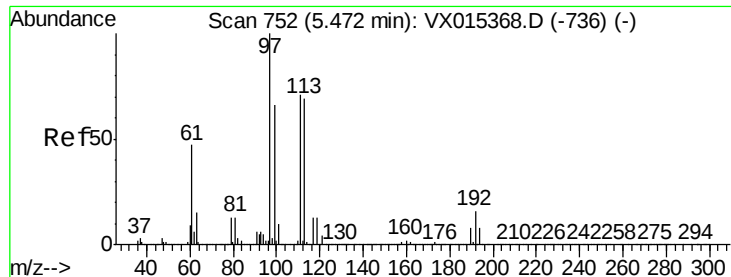
MMDadoda
 4/14/2020 10:11:48 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 976
 Delta R.T. -0.00 min
 Lab File: VX015644.D
 Acq: 13 Apr 2020 16:03

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	44.2
88	16.0	0.0	33.8





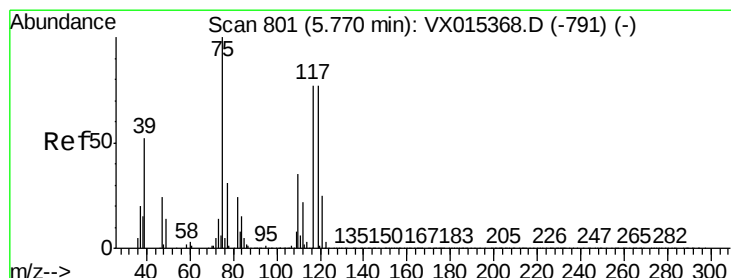
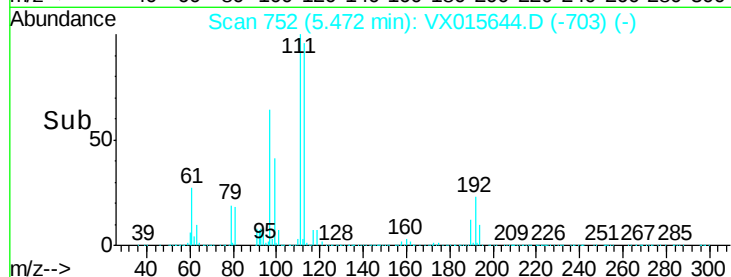
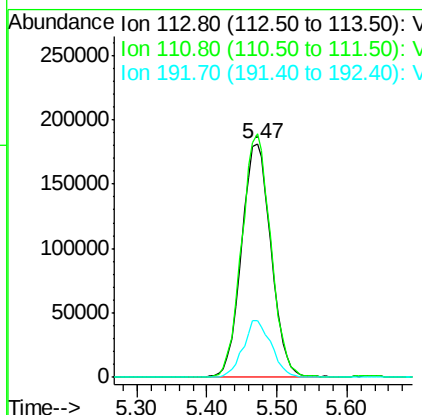
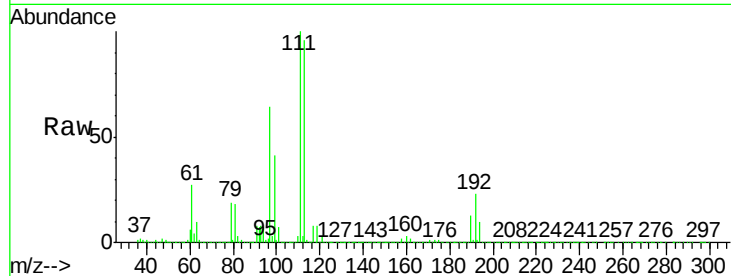
#35
 Dibromofluoromethane
 Concen: 48.536 ug/l
 RT: 5.47 min Scan# 752
 Delta R.T. -0.00 min
 Lab File: VX015644.D
 Acq: 13 Apr 2020 16:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0413WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.2	81.5	122.3	
192	23.3	17.8	26.6	

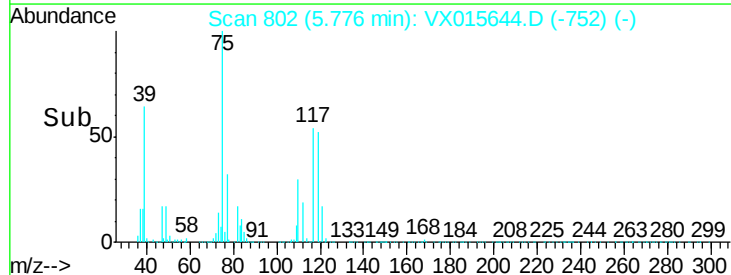
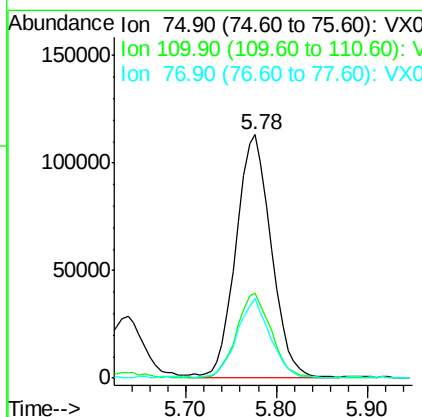
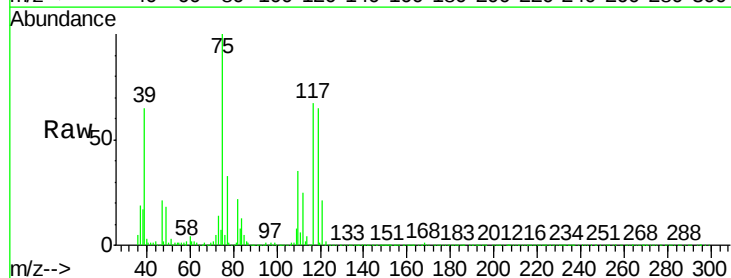
Manual Integrations
 APPROVED

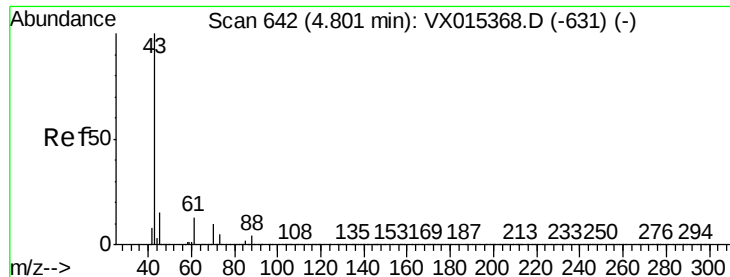
MMDadoda
 4/14/2020 10:11:48 AM



#36
 1,1-Dichloropropene
 Concen: 19.161 ug/l
 RT: 5.78 min Scan# 802
 Delta R.T. 0.01 min
 Lab File: VX015644.D
 Acq: 13 Apr 2020 16:03

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	34.7	17.1	51.3	
77	30.4	24.6	36.8	





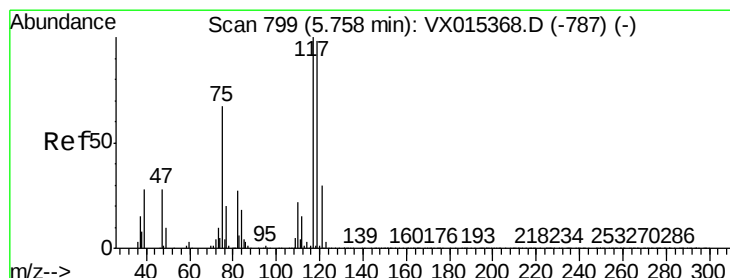
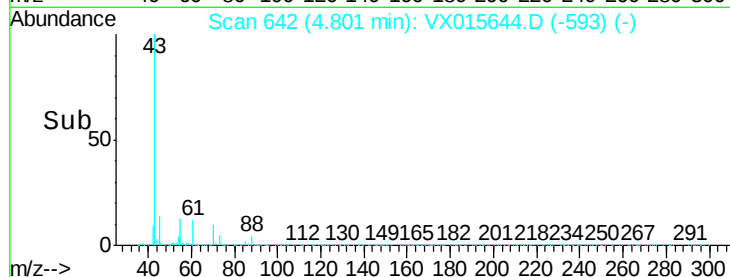
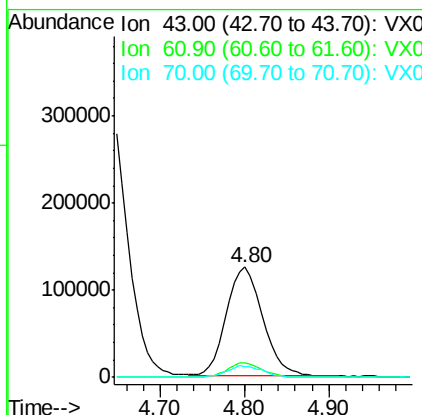
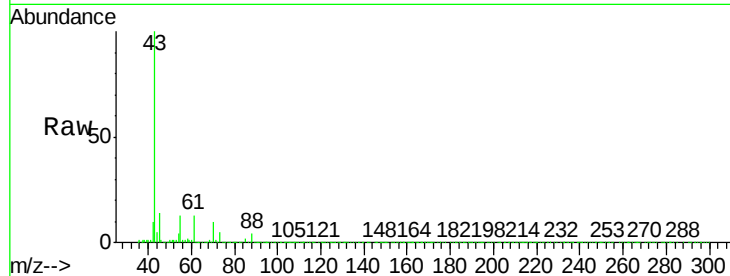
#37
Ethyl Acetate
Concen: 18.112 ug/l
RT: 4.80 min Scan# 642
Delta R.T. -0.00 min
Lab File: VX015644.D
Acq: 13 Apr 2020 16:03

Instrument :
MSVOA_X
ClientSampleId :
VX0413WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.4	9.9	14.9
70	10.3	8.1	12.1

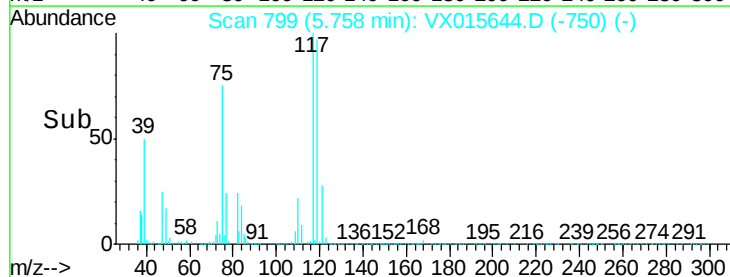
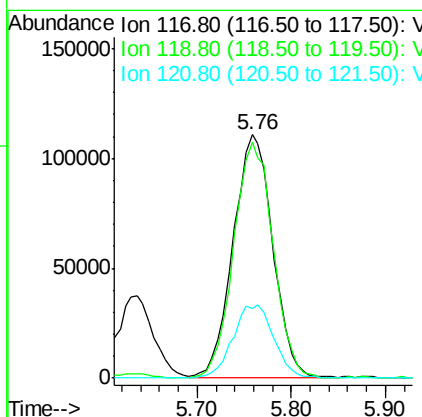
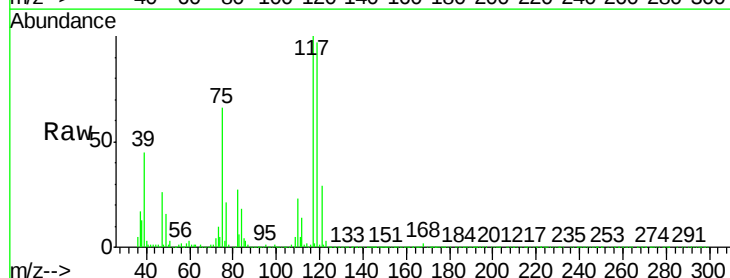
Manual Integrations
APPROVED

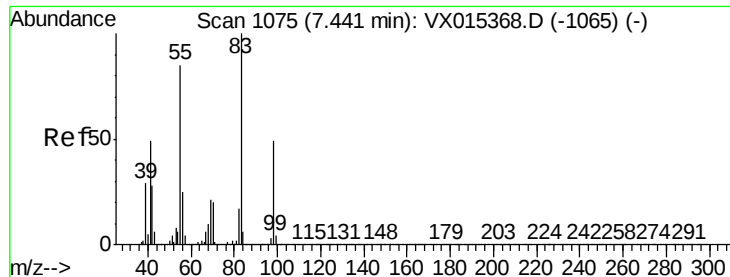
MMDadoda
4/14/2020 10:11:48 AM



#38
Carbon Tetrachloride
Concen: 18.911 ug/l
RT: 5.76 min Scan# 799
Delta R.T. -0.00 min
Lab File: VX015644.D
Acq: 13 Apr 2020 16:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.8	78.0	117.0
121	28.5	23.8	35.8





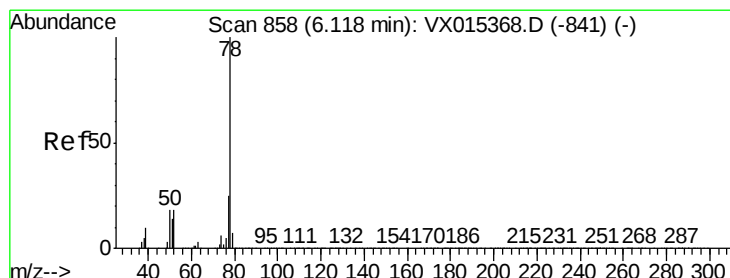
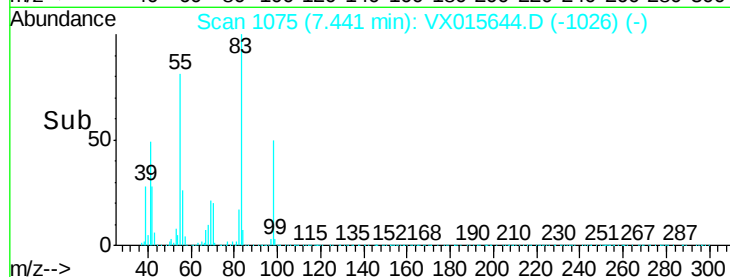
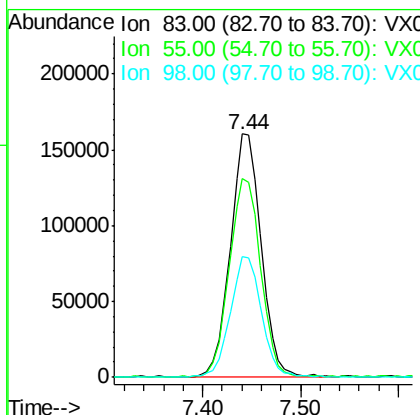
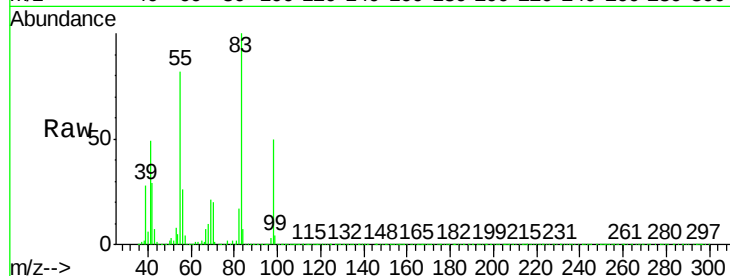
#39
Methvlcvclohexane
Concen: 19.241 ug/l
RT: 7.44 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VX015644.D
Acq: 13 Apr 2020 16:03

Instrument :
MSVOA_X
ClientSampleId :
VX0413WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.6	67.8	101.6
98	49.7	39.3	58.9

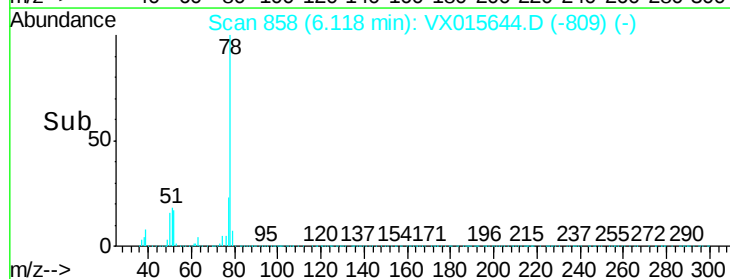
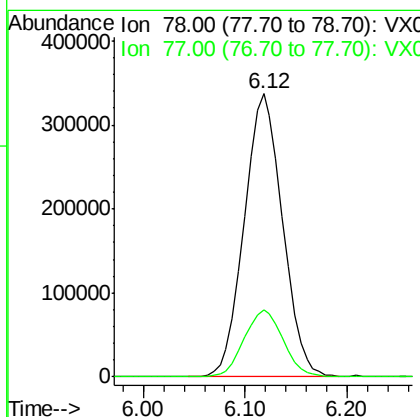
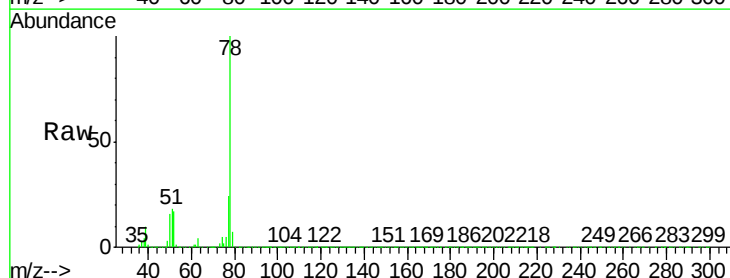
Manual Integrations
APPROVED

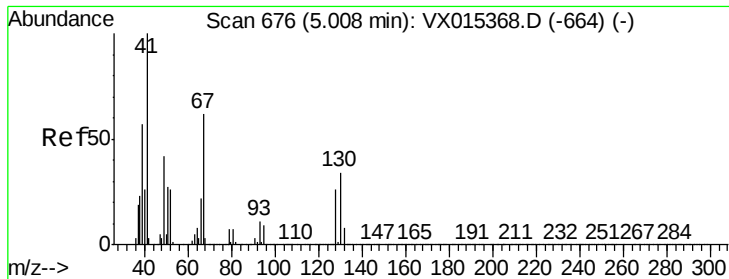
MMDadoda
4/14/2020 10:11:48 AM



#40
Benzene
Concen: 18.959 ug/l
RT: 6.12 min Scan# 858
Delta R.T. -0.00 min
Lab File: VX015644.D
Acq: 13 Apr 2020 16:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.8	29.8





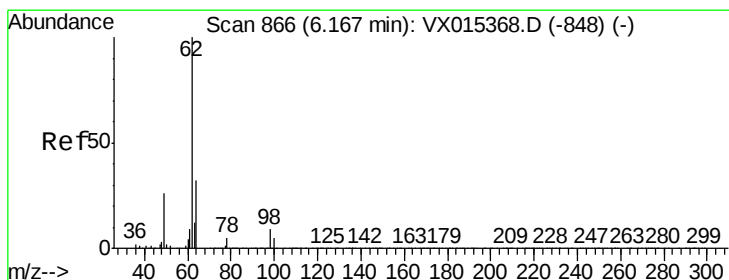
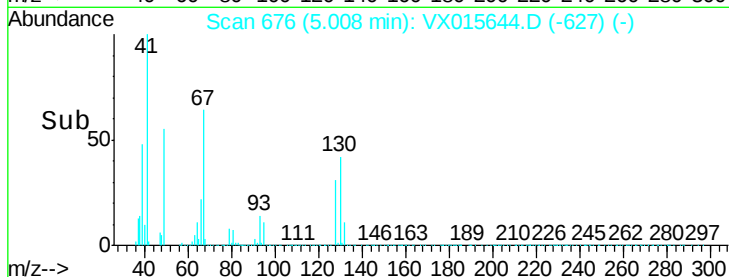
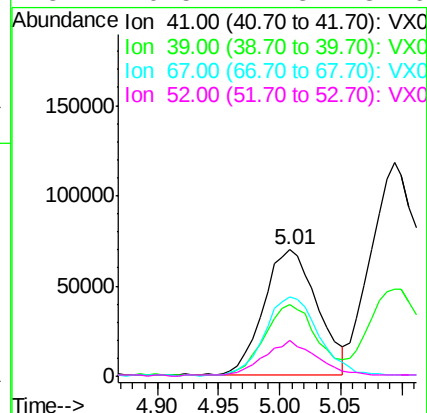
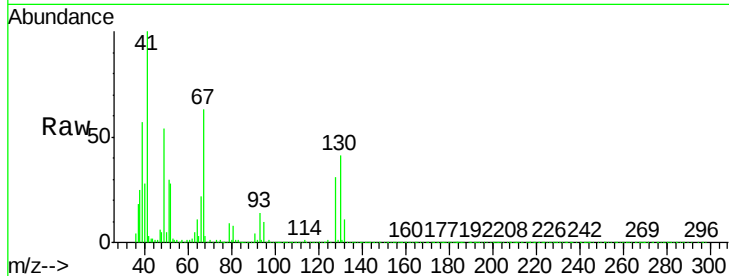
#41
Methacrylonitrile
Concen: 18.563 ug/l
RT: 5.01 min Scan# 676
Delta R.T. -0.00 min
Lab File: VX015644.D
Acq: 13 Apr 2020 16:03

Instrument :
MSVOA_X
ClientSampleId :
VX0413WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		212229		
39	54.8	44.5	66.7		
67	64.9	48.9	73.3		
52	26.5	21.8	32.6		

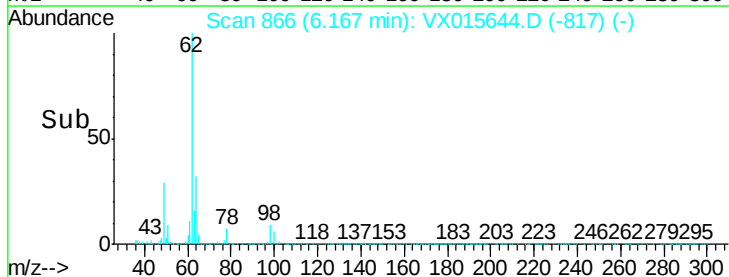
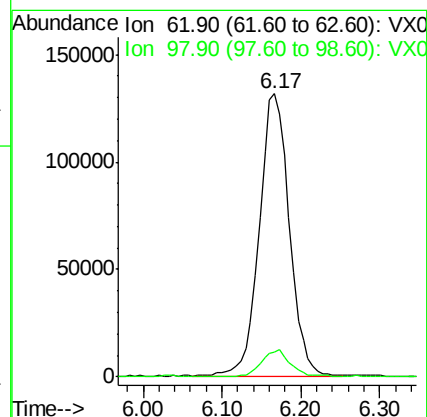
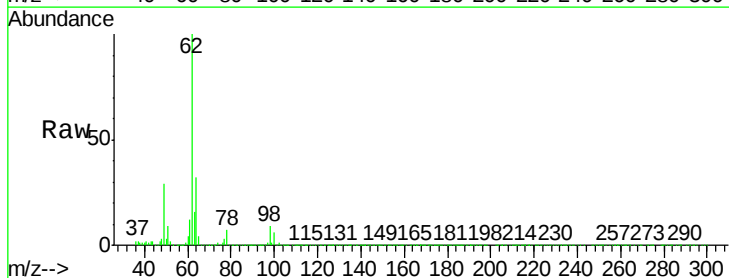
Manual Integrations
APPROVED

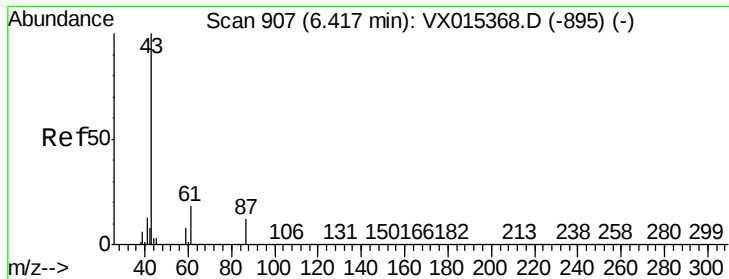
MMDadoda
4/14/2020 10:11:48 AM



#42
1,2-Dichloroethane
Concen: 18.936 ug/l
RT: 6.17 min Scan# 866
Delta R.T. -0.00 min
Lab File: VX015644.D
Acq: 13 Apr 2020 16:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		352426		
98	9.3	0.0	17.6		





#43

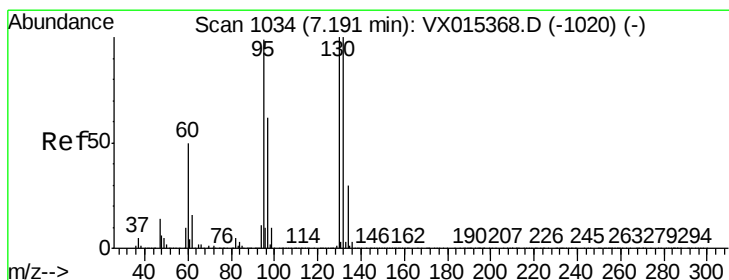
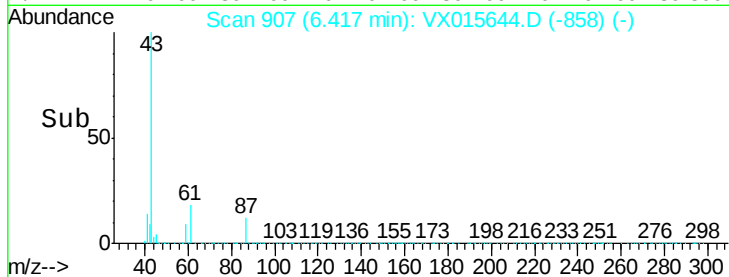
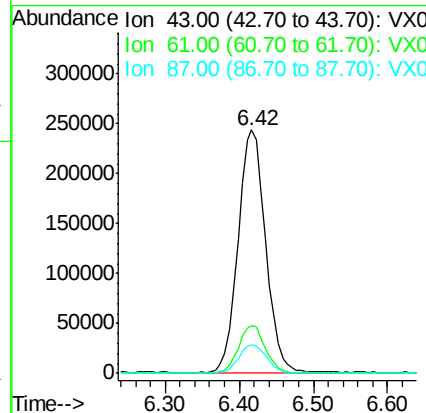
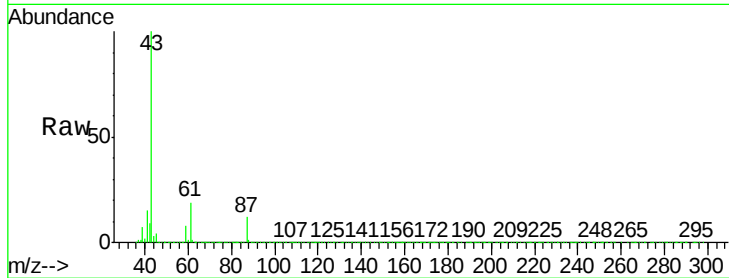
Isopropyl Acetate
 Concen: 18.161 ug/l
 RT: 6.42 min Scan# 907
 Delta R.T. -0.00 min
 Lab File: VX015644.D
 Acq: 13 Apr 2020 16:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0413WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.9	14.8	22.2
87	11.9	9.4	14.0

Manual Integrations
 APPROVED

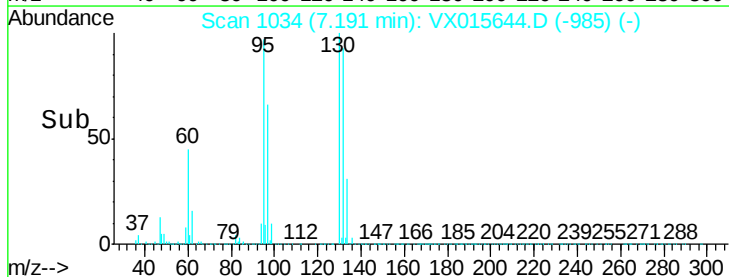
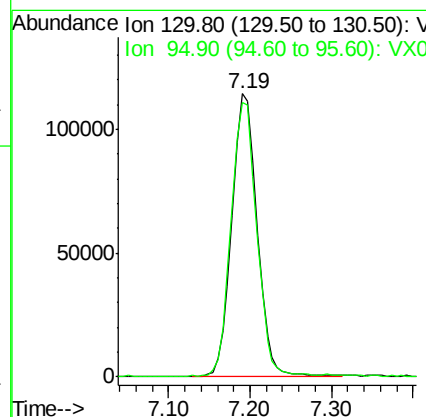
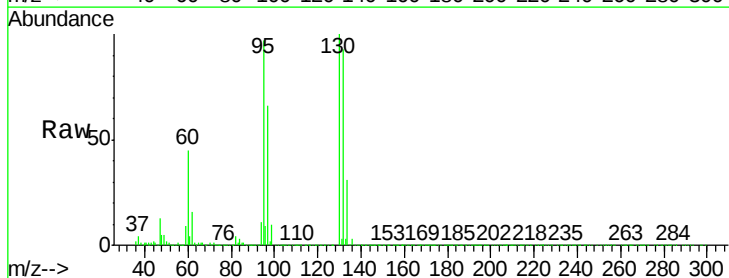
MMDadoda
 4/14/2020 10:11:48 AM

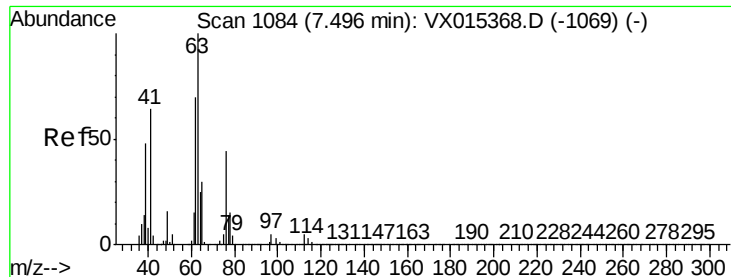


#44

Trichloroethene
 Concen: 19.403 ug/l
 RT: 7.19 min Scan# 1034
 Delta R.T. -0.00 min
 Lab File: VX015644.D
 Acq: 13 Apr 2020 16:03

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.4	0.0	199.0





#45

1,2-Dichloropropane

Concen: 19.013 ug/l

RT: 7.50 min Scan# 1084

Delta R.T. -0.00 min

Lab File: VX015644.D

Acq: 13 Apr 2020 16:03

Instrument :

MSVOA_X

ClientSampleId :

VX0413WBS01

Tot Ion: 63 Resp: 240994

Ion Ratio Lower Upper

63 100

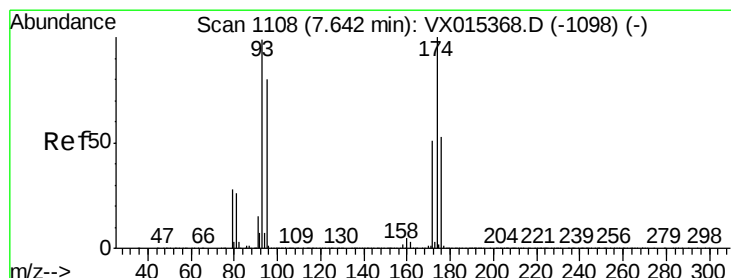
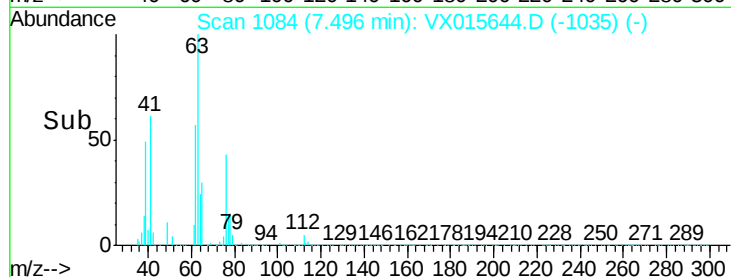
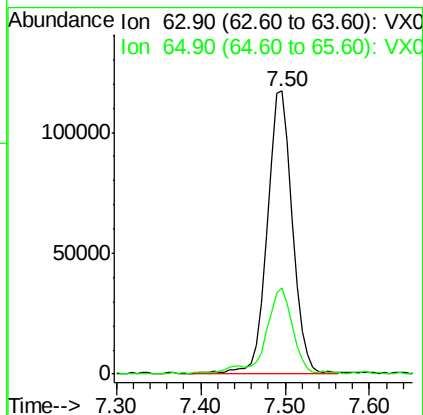
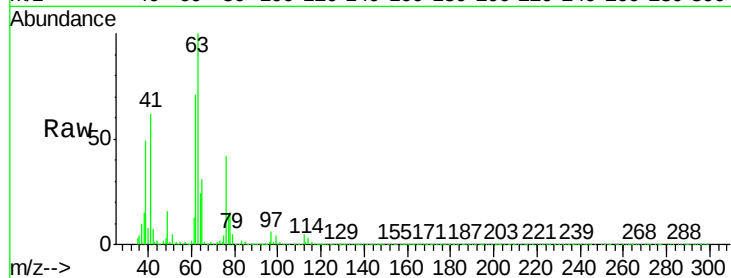
65 30.4 23.9 35.9

Manual Integrations

APPROVED

MMDadoda

4/14/2020 10:11:48 AM



#46

Dibromomethane

Concen: 18.570 ug/l

RT: 7.64 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VX015644.D

Acq: 13 Apr 2020 16:03

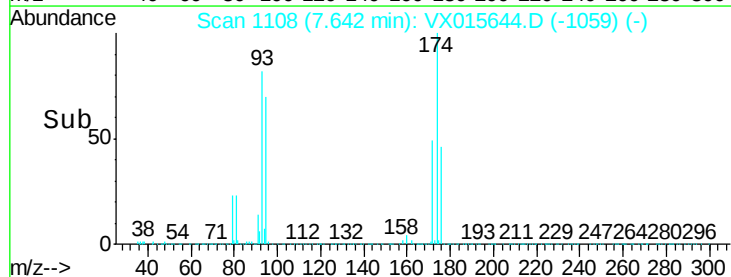
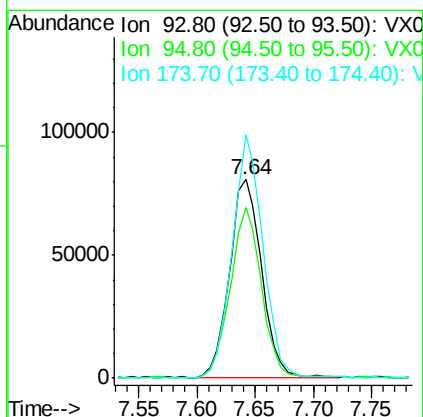
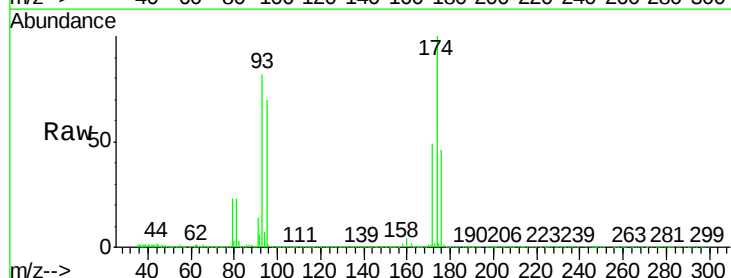
Tgt Ion: 93 Resp: 154396

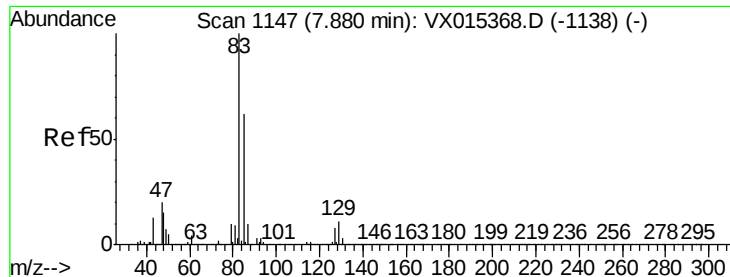
Ion Ratio Lower Upper

93 100

95 83.4 65.8 98.8

174 117.8 86.2 129.2





#47

Bromodichloromethane

Concen: 18.523 ug/l

RT: 7.88 min Scan# 1147

Delta R.T. -0.00 min

Lab File: VX015644.D

Acq: 13 Apr 2020 16:03

Instrument :

MSVOA_X

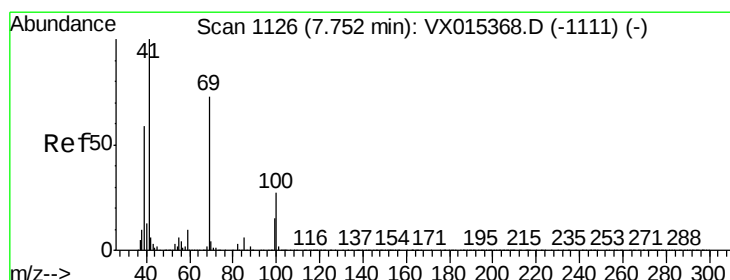
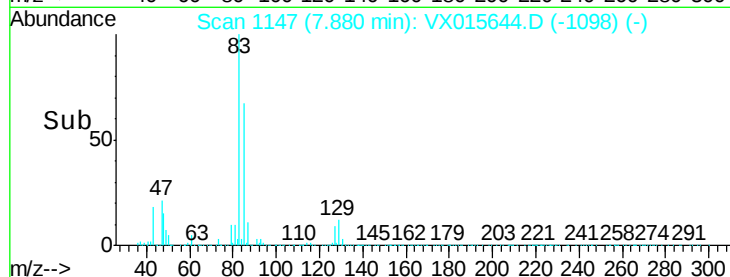
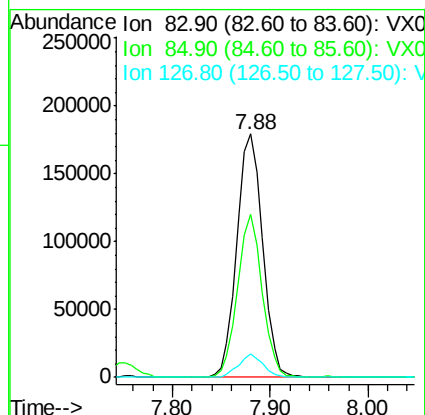
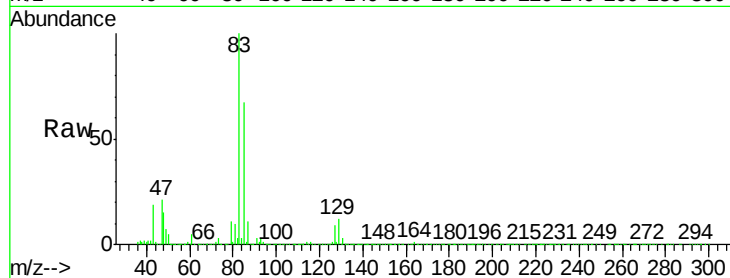
ClientSampleId :

VX0413WBS01

Tot Ion:	83	Resp:	328154
Ion Ratio	Lower	Upper	
83	100		
85	66.8	49.7	74.5
127	9.3	6.7	10.1

Manual Integrations
APPROVED

MMDadoda
4/14/2020 10:11:48 AM



#48

Methyl methacrylate

Concen: 17.943 ug/l

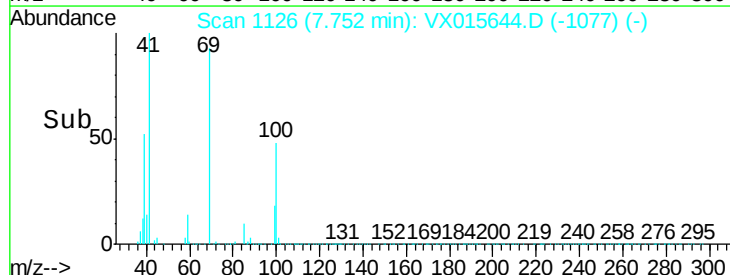
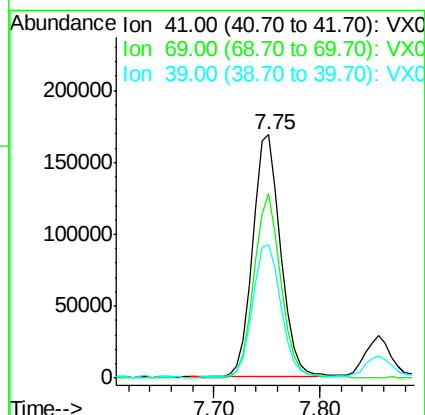
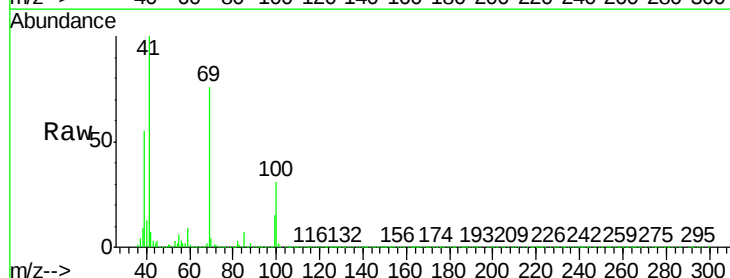
RT: 7.75 min Scan# 1126

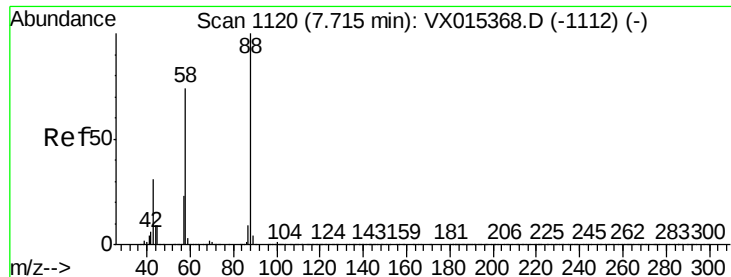
Delta R.T. -0.00 min

Lab File: VX015644.D

Acq: 13 Apr 2020 16:03

Tgt Ion:	41	Resp:	311597
Ion Ratio	Lower	Upper	
41	100		
69	73.1	56.7	85.1
39	55.9	46.5	69.7





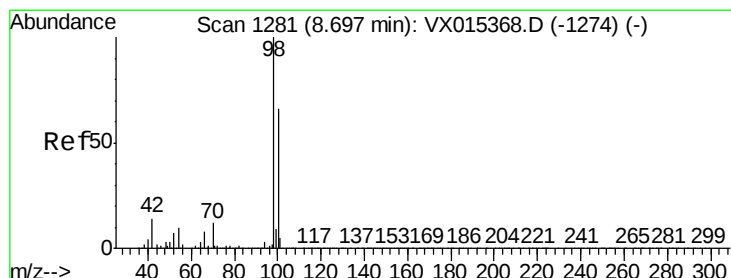
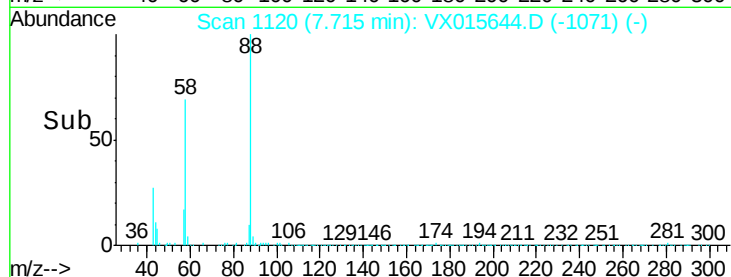
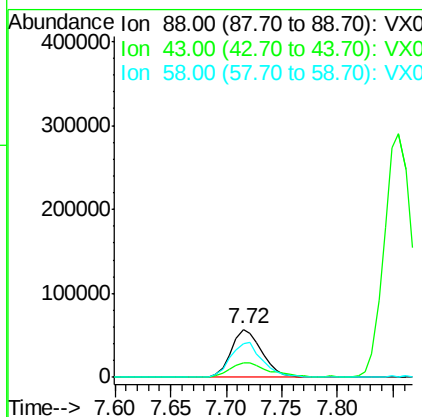
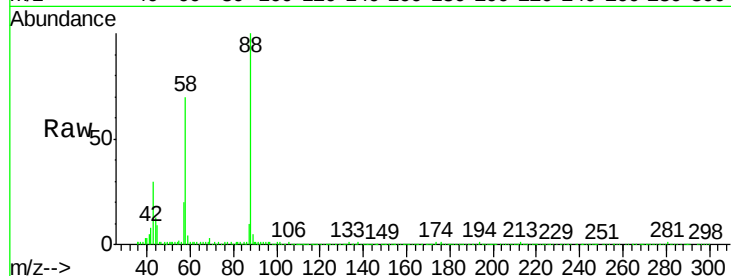
#49
1,4-Dioxane
Concen: 337.478 ug/l
RT: 7.72 min Scan# 1120
Delta R.T. -0.00 min
Lab File: VX015644.D
Acq: 13 Apr 2020 16:03

Instrument :
MSVOA_X
ClientSampleId :
VX0413WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.8	30.1	45.1
58	74.2	60.6	90.8

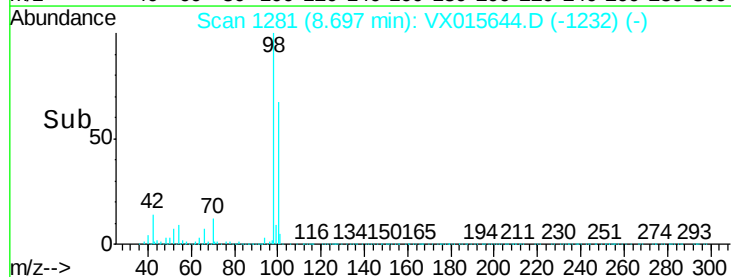
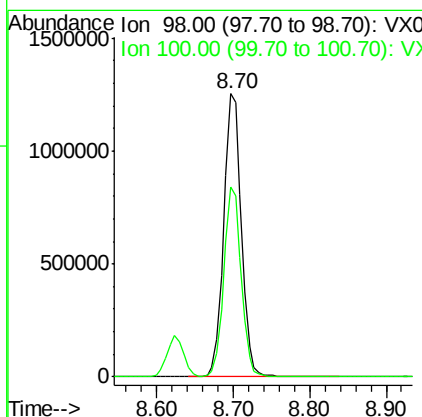
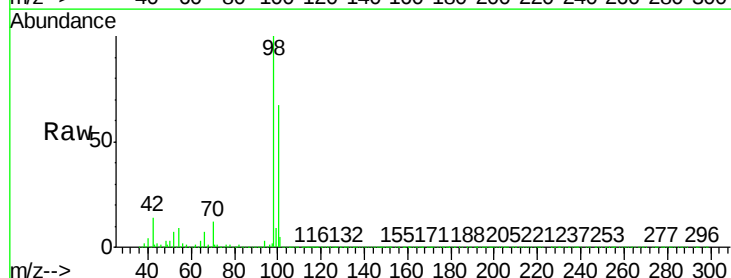
Manual Integrations
APPROVED

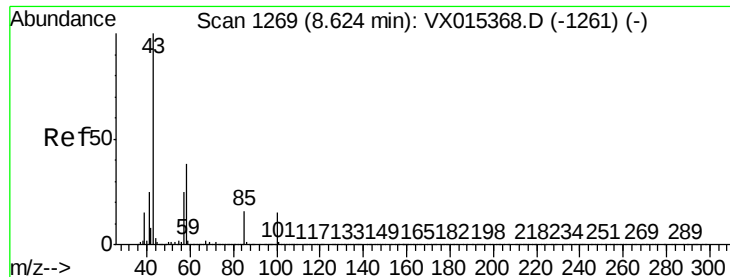
MMDadoda
4/14/2020 10:11:48 AM



#50
Toluene-d8
Concen: 49.251 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. -0.00 min
Lab File: VX015644.D
Acq: 13 Apr 2020 16:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.5	80.3





#51

4-Methyl-2-Pentanone

Concen: 94.787 ug/l

RT: 8.62 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VX015644.D

Acq: 13 Apr 2020 16:03

Tot Ion: 43 Resp: 1867603

Ion Ratio Lower Upper

43 100

58 36.9 29.7 44.5

Instrument :

MSVOA_X

ClientSampleId :

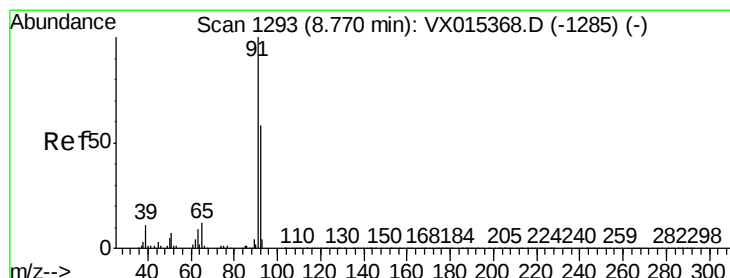
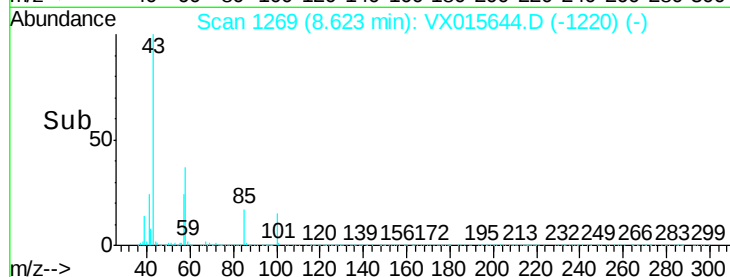
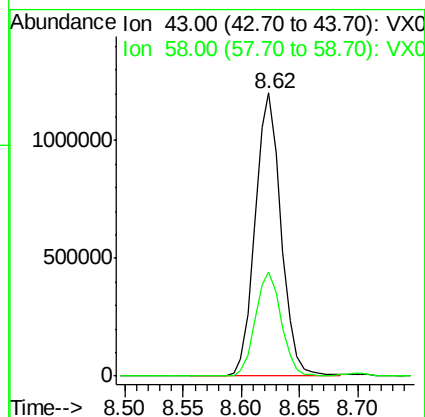
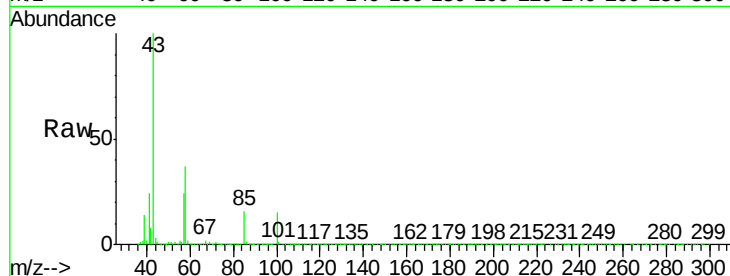
VX0413WBS01

Manual Integrations

APPROVED

MMDadoda

4/14/2020 10:11:48 AM



#52

Toluene

Concen: 19.718 ug/l

RT: 8.77 min Scan# 1293

Delta R.T. -0.00 min

Lab File: VX015644.D

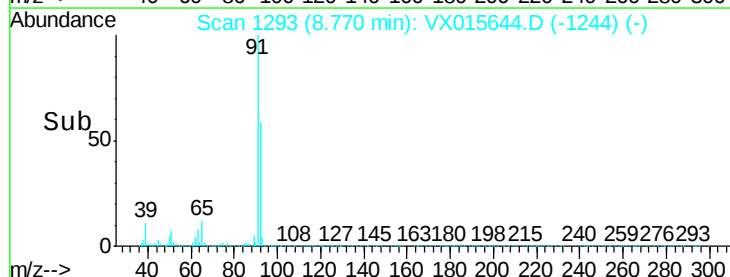
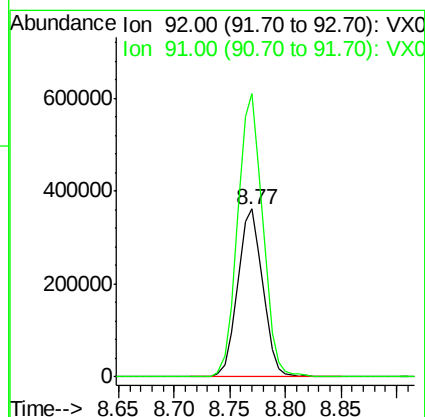
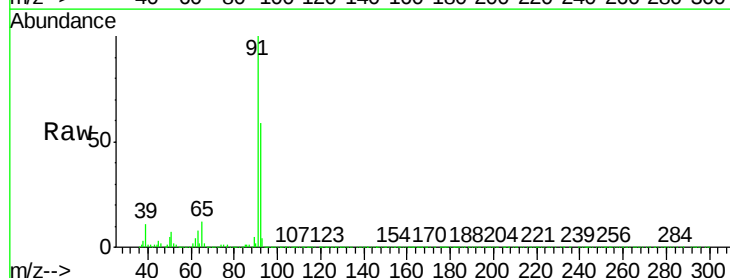
Acq: 13 Apr 2020 16:03

Tgt Ion: 92 Resp: 563256

Ion Ratio Lower Upper

92 100

91 168.9 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 17.694 ug/l

RT: 9.03 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VX015644.D

Acq: 13 Apr 2020 16:03

Instrument :

MSVOA_X

ClientSampleId :

VX0413WBS01

Tot Ion: 75 Resp: 367649

Ion Ratio Lower Upper

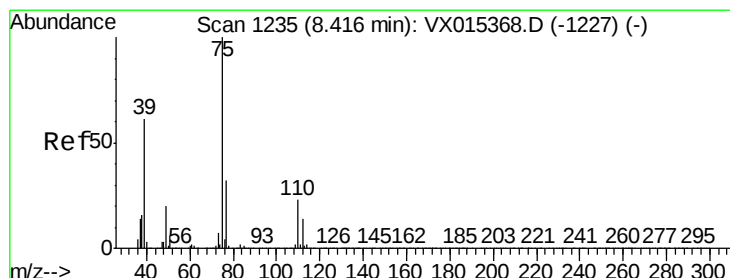
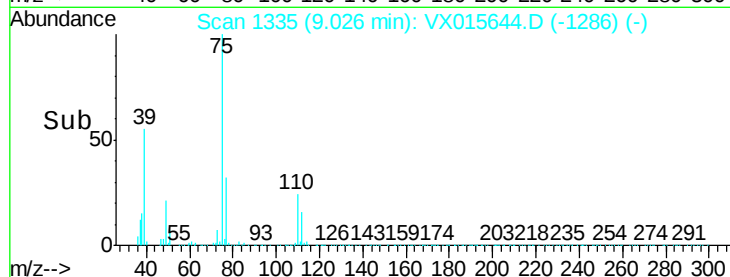
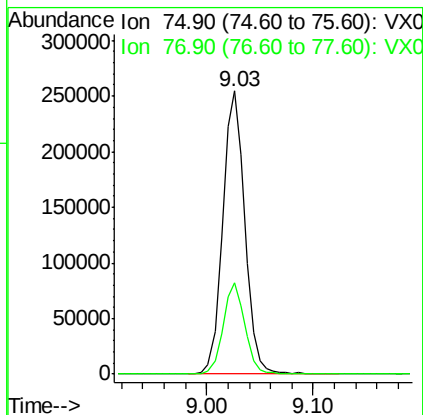
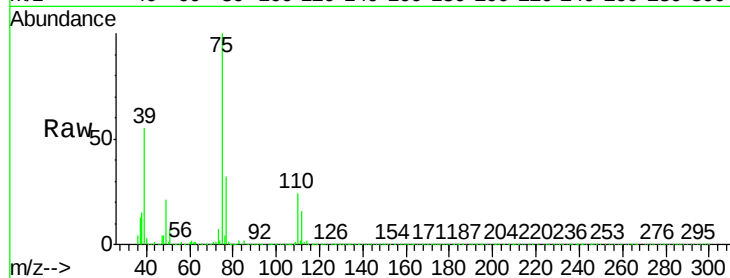
75 100

77 32.2 24.1 36.1

Manual Integrations
APPROVED

MMDadoda

4/14/2020 10:11:48 AM



#54

cis-1,3-Dichloropropene

Concen: 18.373 ug/l

RT: 8.42 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VX015644.D

Acq: 13 Apr 2020 16:03

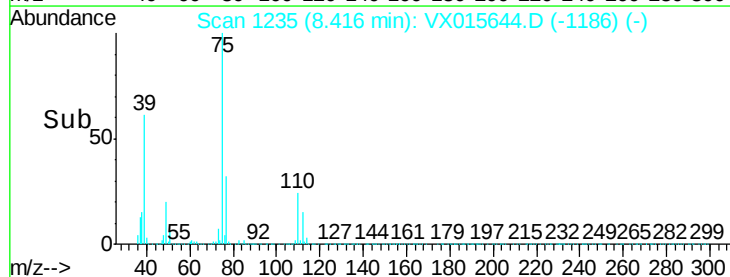
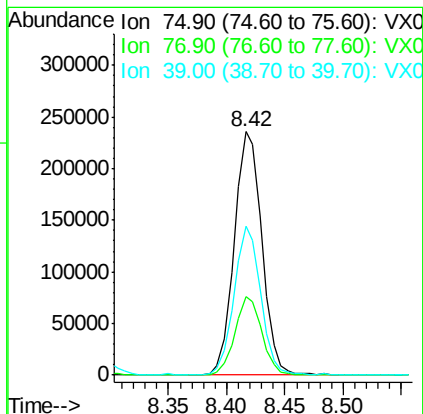
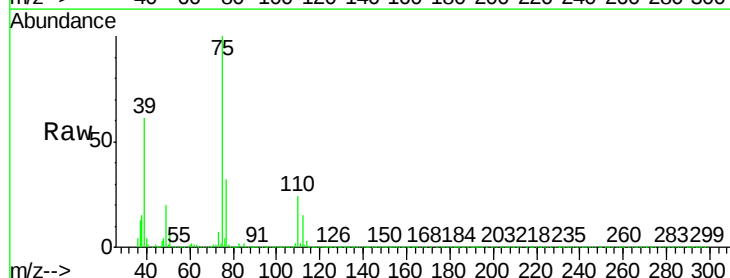
Tgt Ion: 75 Resp: 388873

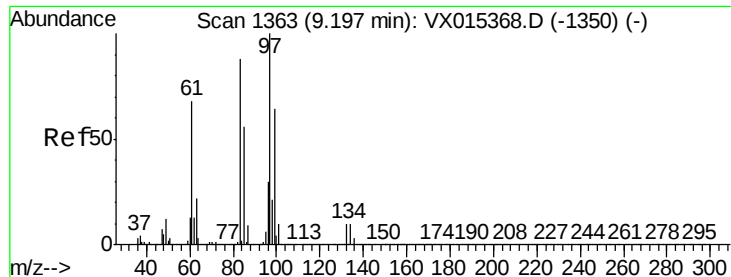
Ion Ratio Lower Upper

75 100

77 32.3 25.8 38.6

39 60.8 49.0 73.4





#55

1,1,2-Trichloroethane

Concen: 19.763 ug/l

RT: 9.20 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VX015644.D

Acq: 13 Apr 2020 16:03

Instrument :

MSVOA_X

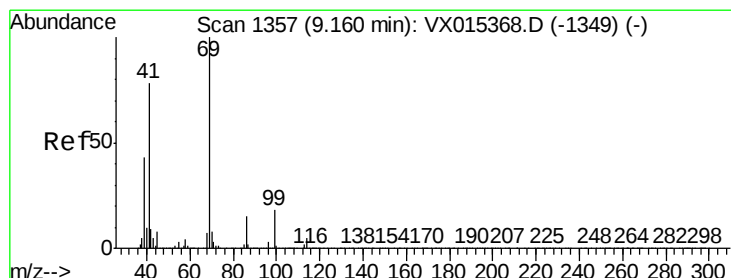
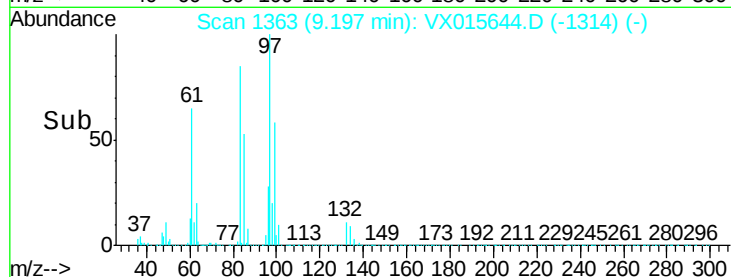
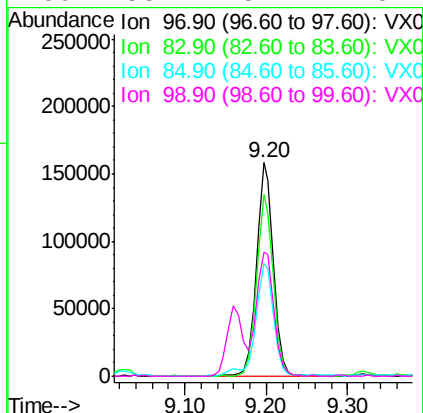
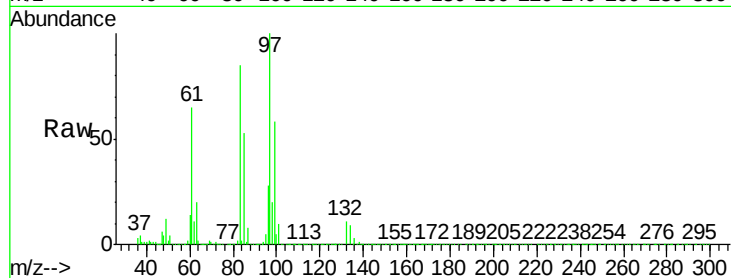
ClientSampleId :

VX0413WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		231294		
83	84.9	70.2	105.4		
85	52.5	44.7	67.1		
99	58.1	51.1	76.7		

Manual Integrations
APPROVED

MMDadoda
4/14/2020 10:11:48 AM



#56

Ethyl methacrylate

Concen: 18.117 ug/l

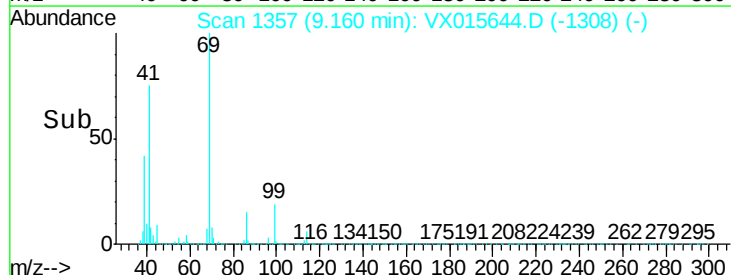
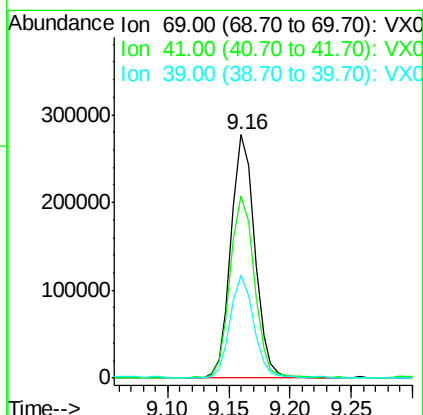
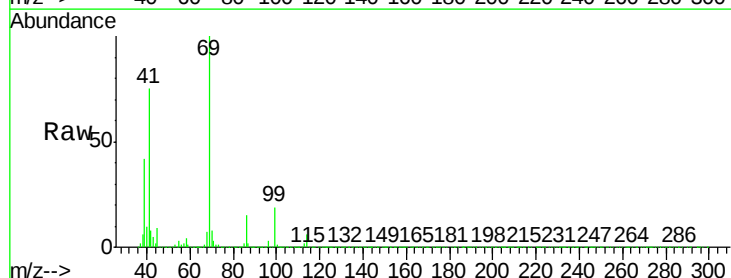
RT: 9.16 min Scan# 1357

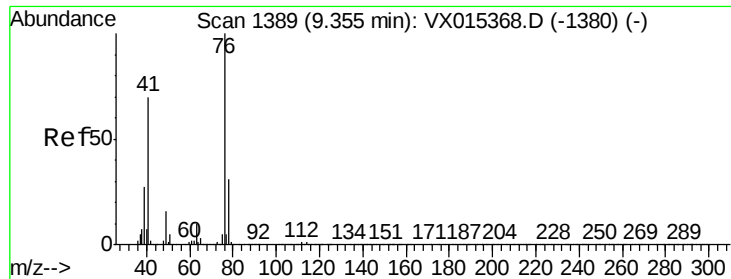
Delta R.T. -0.00 min

Lab File: VX015644.D

Acq: 13 Apr 2020 16:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		373668		
41	75.9	61.6	92.4		
39	41.1	34.0	51.0		





#57

1,3-Dichloropropane

Concen: 18.918 ug/l

RT: 9.36 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VX015644.D

Acq: 13 Apr 2020 16:03

Instrument :

MSVOA_X

ClientSampleId :

VX0413WBS01

Tot Ion: 76 Resp: 398908

Ion Ratio Lower Upper

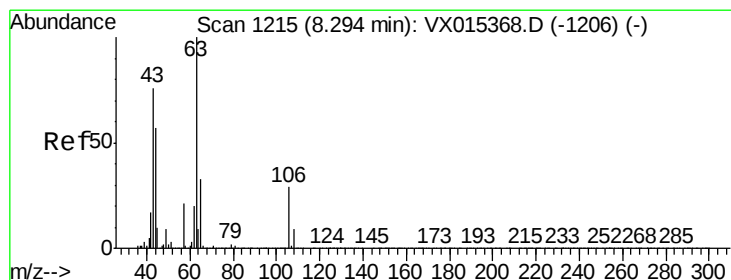
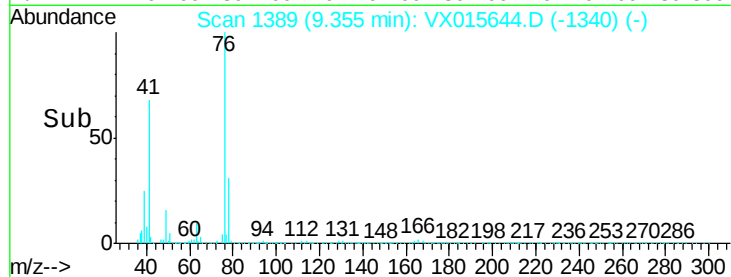
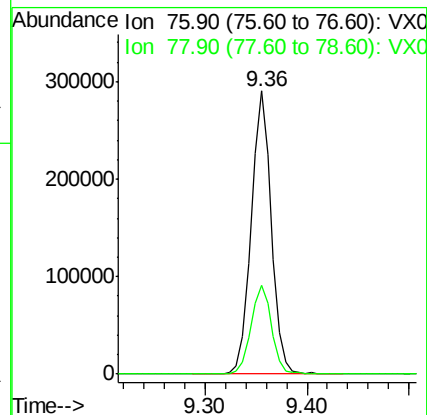
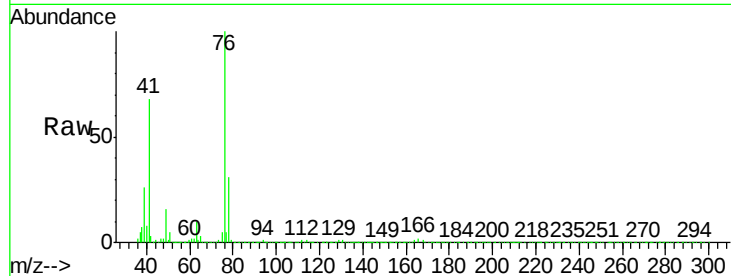
76 100

78 32.3 25.8 38.8

Manual Integrations
APPROVED

MMDadoda

4/14/2020 10:11:48 AM



#58

2-Chloroethyl Vinyl ether

Concen: 95.793 ug/l

RT: 8.29 min Scan# 1215

Delta R.T. -0.00 min

Lab File: VX015644.D

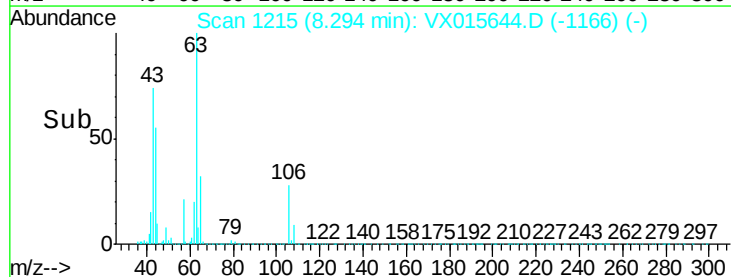
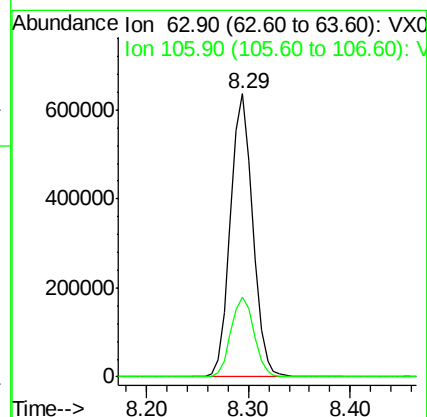
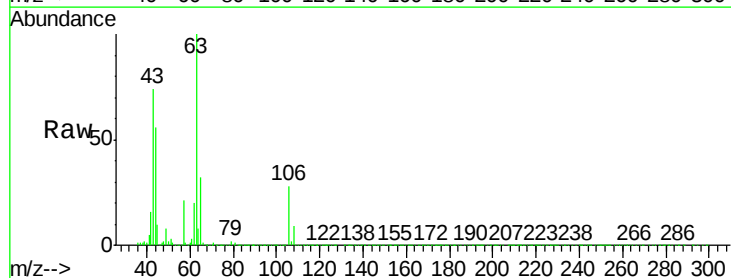
Acq: 13 Apr 2020 16:03

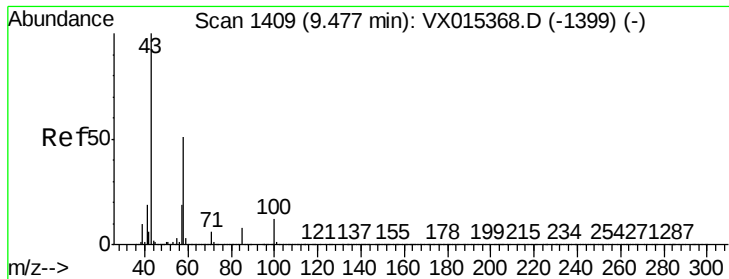
Tgt Ion: 63 Resp: 961047

Ion Ratio Lower Upper

63 100

106 29.1 22.7 34.1





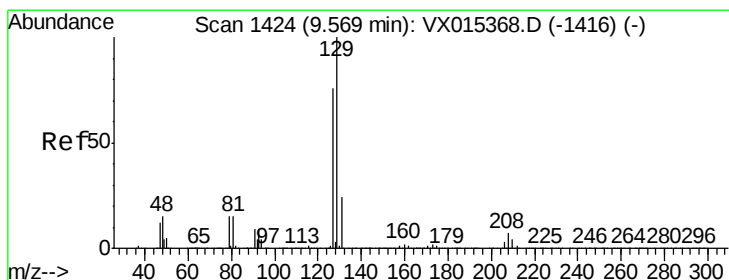
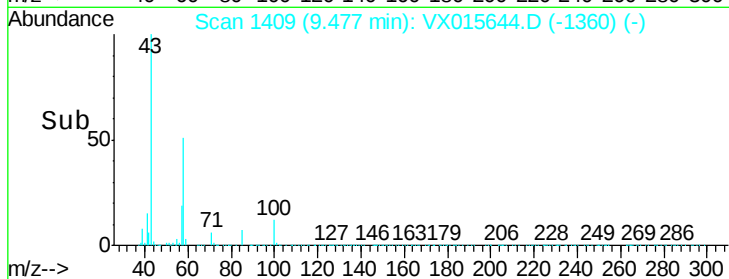
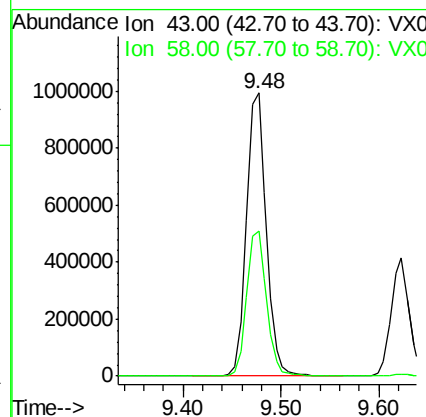
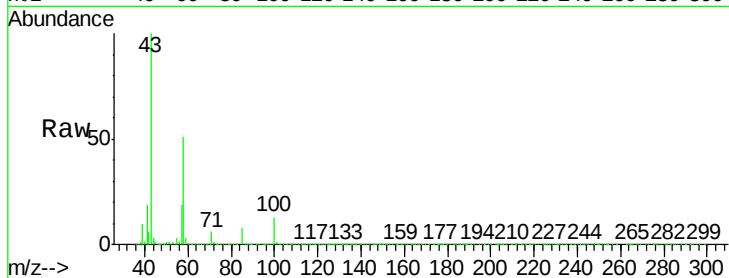
#59
2-Hexanone
Concen: 93.752 ug/l
RT: 9.48 min Scan# 1409
Delta R.T. -0.00 min
Lab File: VX015644.D
Acq: 13 Apr 2020 16:03

Instrument :
MSVOA_X
ClientSampleId :
VX0413WBS01

Tot Ion: 43 Resp: 1394603
Ion Ratio Lower Upper
43 100
58 51.6 25.6 76.6

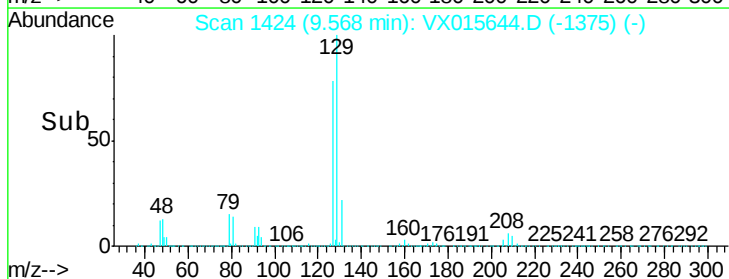
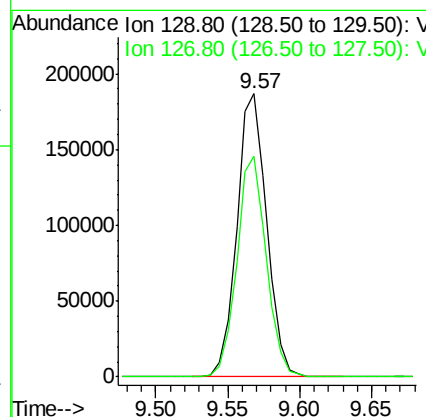
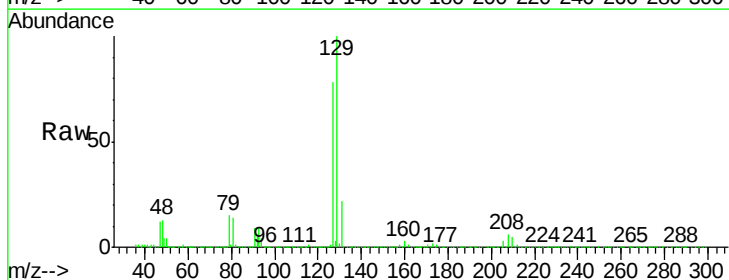
Manual Integrations
APPROVED

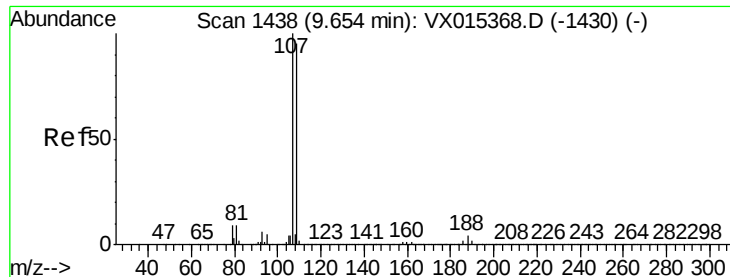
MMDadoda
4/14/2020 10:11:48 AM



#60
Dibromochloromethane
Concen: 19.068 ug/l
RT: 9.57 min Scan# 1424
Delta R.T. -0.00 min
Lab File: VX015644.D
Acq: 13 Apr 2020 16:03

Tgt Ion:129 Resp: 268163
Ion Ratio Lower Upper
129 100
127 76.9 38.2 114.6





#61

1,2-Dibromoethane

Concen: 19.113 ug/l

RT: 9.65 min Scan# 1438

Delta R.T. -0.00 min

Lab File: VX015644.D

Acq: 13 Apr 2020 16:03

Instrument :

MSVOA_X

ClientSampleId :

VX0413WBS01

Tot Ion: 107 Resp: 243222

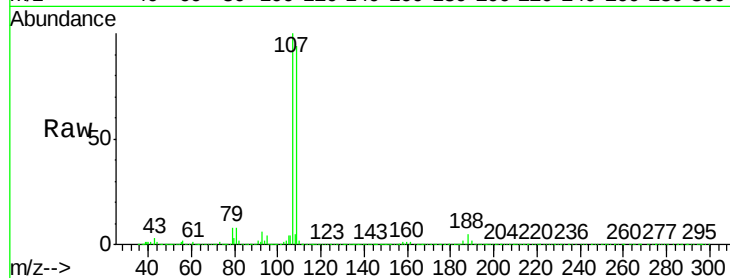
Ion Ratio Lower Upper

107 100

109 94.3 74.8 112.2

Manual Integrations
APPROVED

MMDadoda
4/14/2020 10:11:48 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

200000

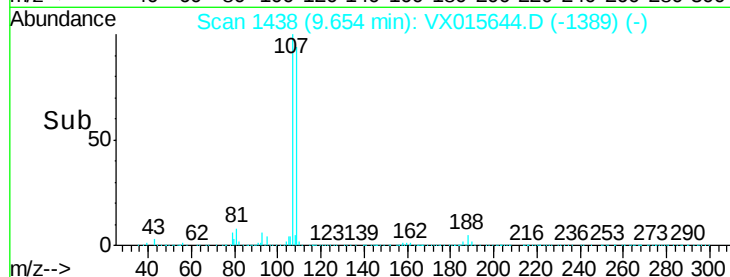
150000

100000

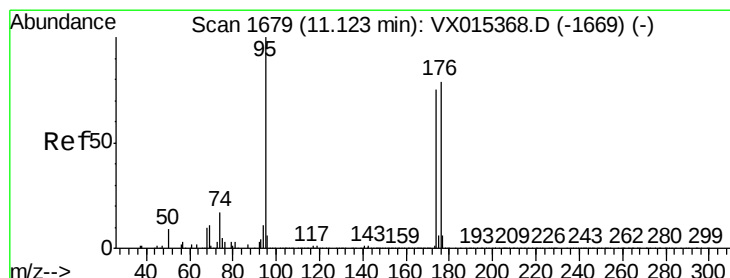
50000

0

Time-->



Time-->



#62

4-Bromofluorobenzene

Concen: 48.590 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VX015644.D

Acq: 13 Apr 2020 16:03

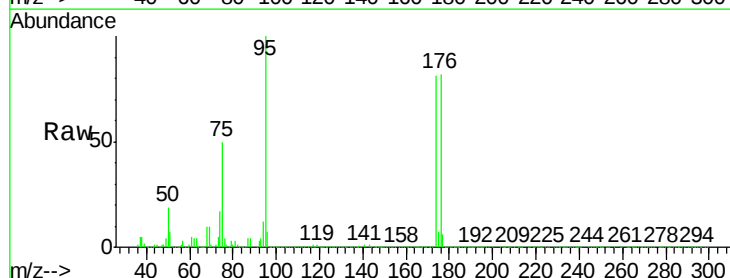
Tgt Ion: 95 Resp: 797808

Ion Ratio Lower Upper

95 100

174 84.4 0.0 158.6

176 82.9 0.0 159.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

800000

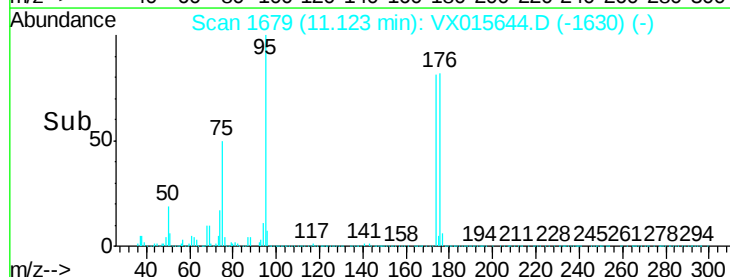
600000

400000

200000

0

Time-->





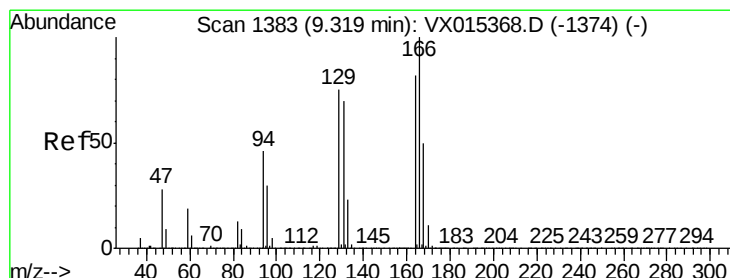
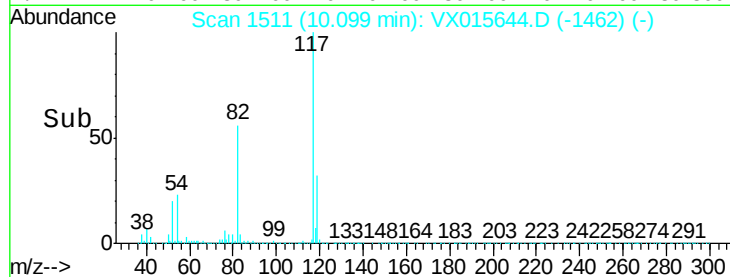
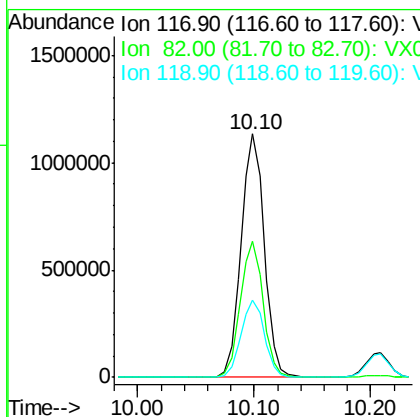
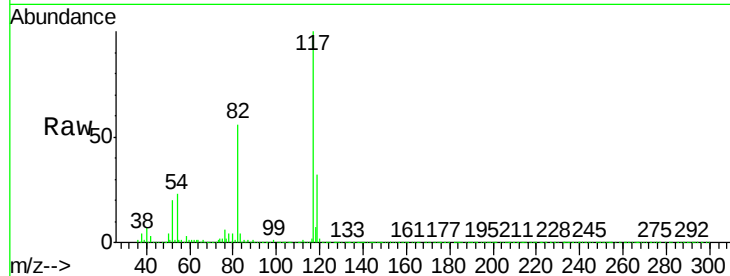
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. -0.00 min
Lab File: VX015644.D
Acq: 13 Apr 2020 16:03

Instrument :
MSVOA_X
ClientSampleId :
VX0413WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.9	47.8	71.8
119	31.7	26.8	40.2

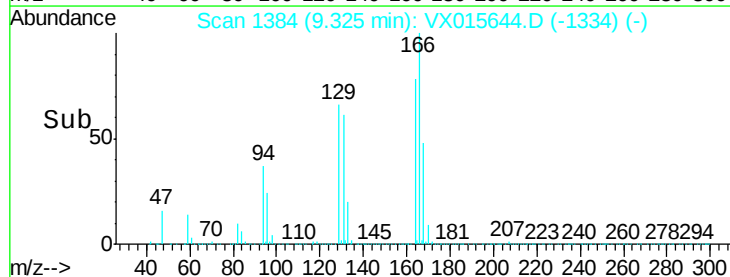
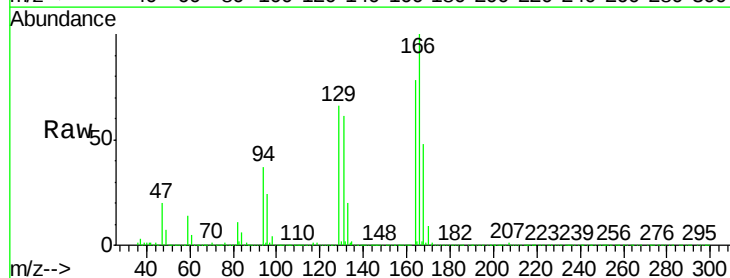
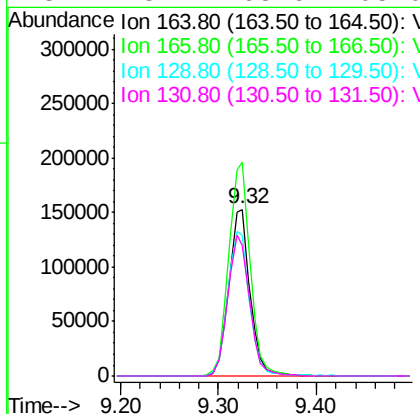
Manual Integrations
APPROVED

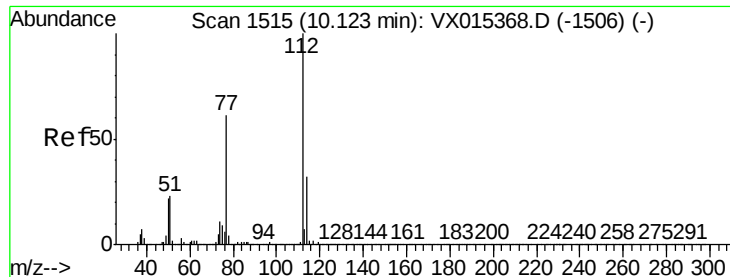
MMDadoda
4/14/2020 10:11:48 AM



#64
Tetrachloroethene
Concen: 19.291 ug/l
RT: 9.32 min Scan# 1384
Delta R.T. 0.01 min
Lab File: VX015644.D
Acq: 13 Apr 2020 16:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.1	97.8	146.6
129	84.4	73.0	109.4
131	78.1	68.6	103.0





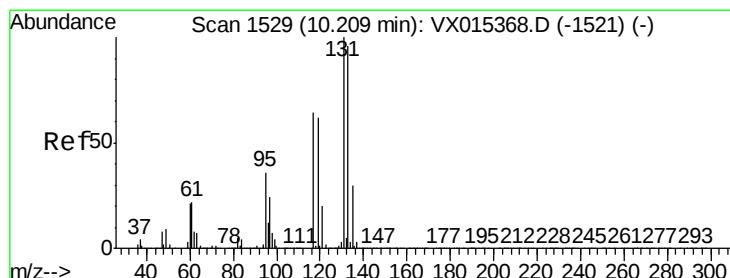
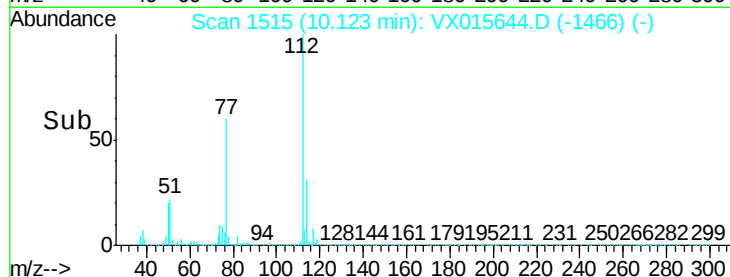
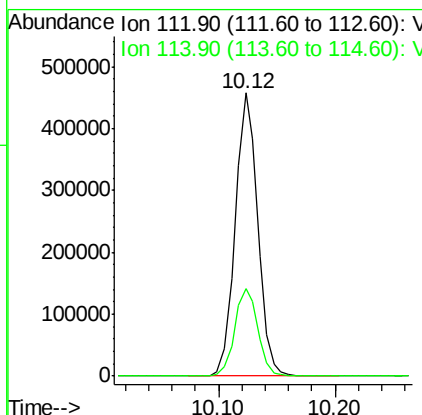
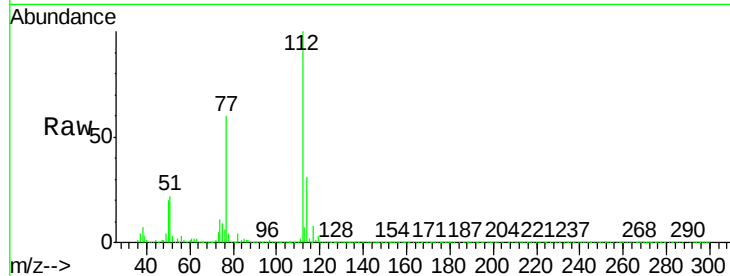
#65
Chlorobenzene
Concen: 19.652 ug/l
RT: 10.12 min Scan# 1515
Delta R.T. -0.00 min
Lab File: VX015644.D
Acq: 13 Apr 2020 16:03

Instrument :
MSVOA_X
ClientSampleId :
VX0413WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.9	25.5	38.3

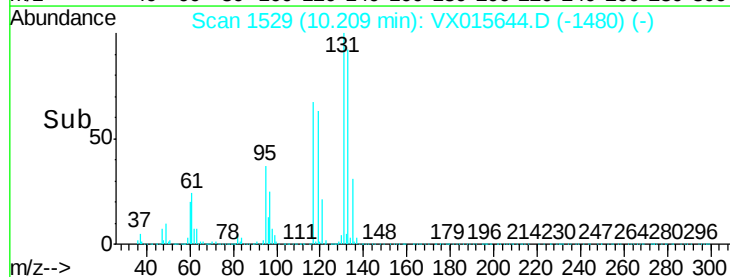
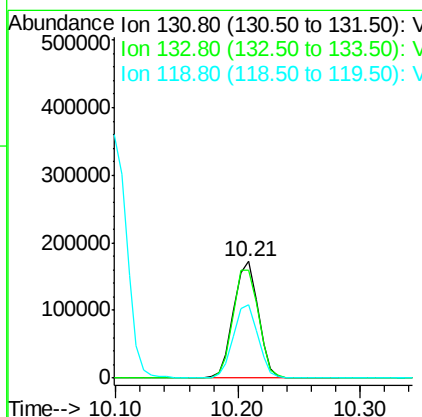
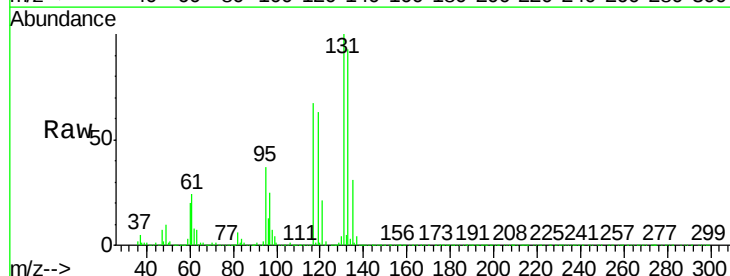
Manual Integrations
APPROVED

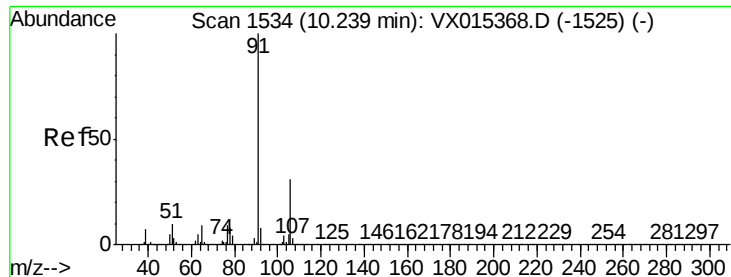
MMDadoda
4/14/2020 10:11:48 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.076 ug/l
RT: 10.21 min Scan# 1529
Delta R.T. -0.00 min
Lab File: VX015644.D
Acq: 13 Apr 2020 16:03

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.7	47.6	142.9
119	63.5	31.1	93.3





#67

Ethyl Benzene

Concen: 19.526 ug/l

RT: 10.24 min Scan# 1534

Delta R.T. -0.00 min

Lab File: VX015644.D

Acq: 13 Apr 2020 16:03

Instrument :

MSVOA_X

ClientSampleId :

VX0413WBS01

Tot Ion: 91 Resp: 1087190

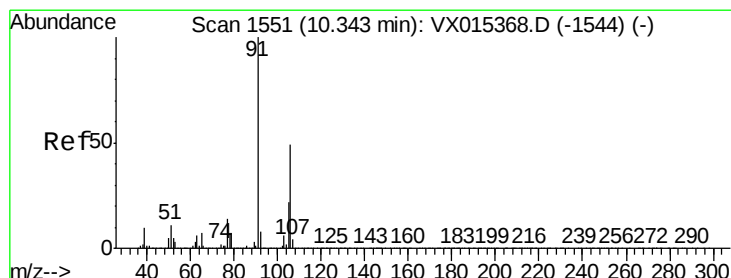
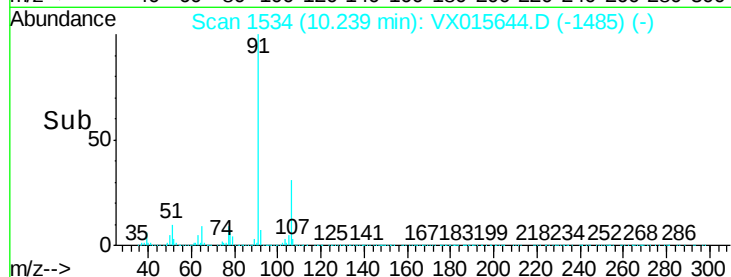
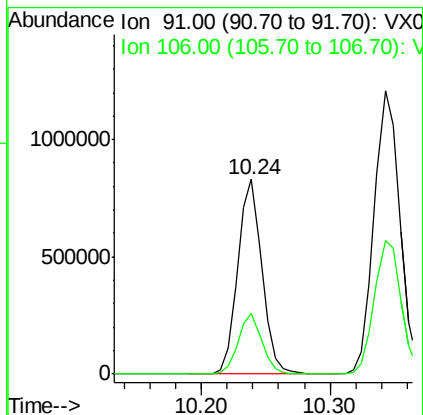
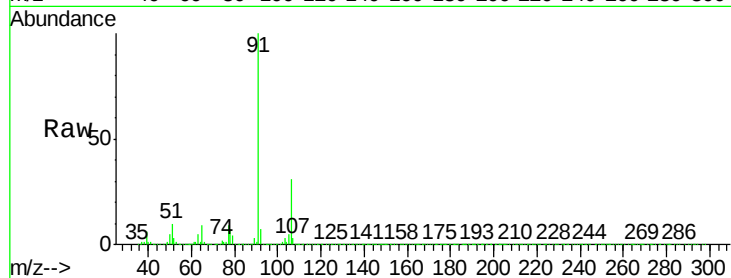
Ion Ratio Lower Upper

91 100

106 31.4 24.8 37.2

Manual Integrations
APPROVED

MMDadoda
4/14/2020 10:11:48 AM



#68

m/p-Xylenes

Concen: 39.289 ug/l

RT: 10.34 min Scan# 1551

Delta R.T. -0.00 min

Lab File: VX015644.D

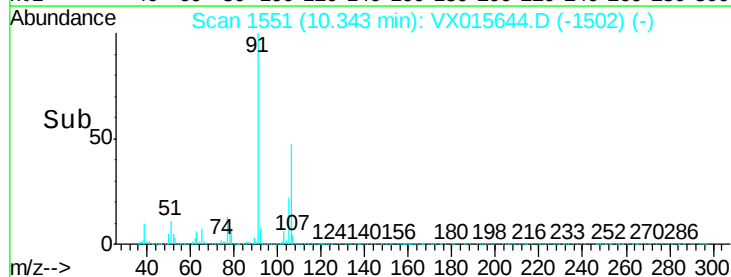
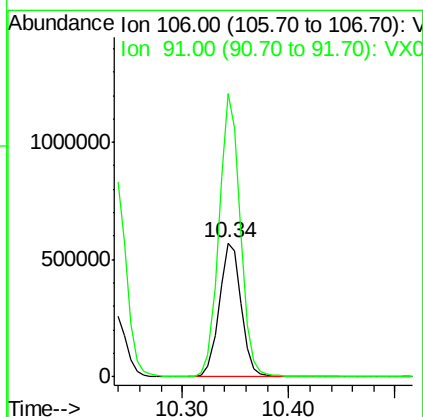
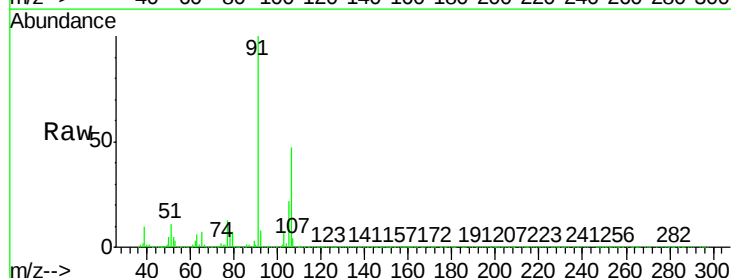
Acq: 13 Apr 2020 16:03

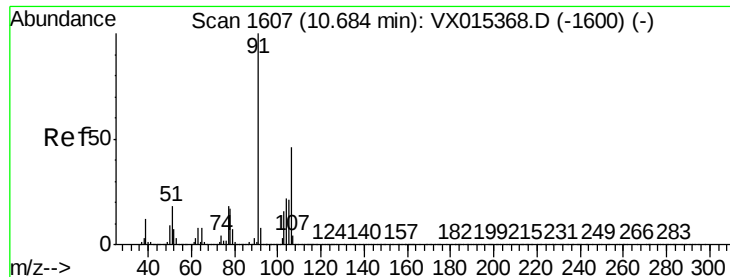
Tgt Ion: 106 Resp: 814582

Ion Ratio Lower Upper

106 100

91 204.9 163.4 245.0





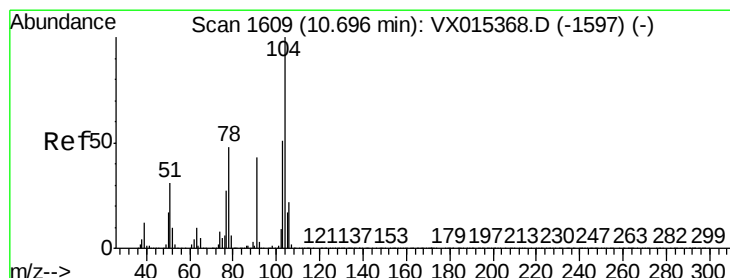
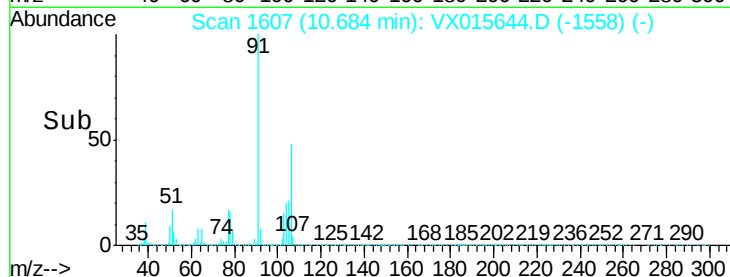
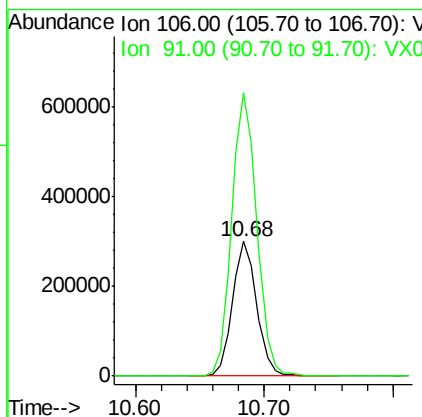
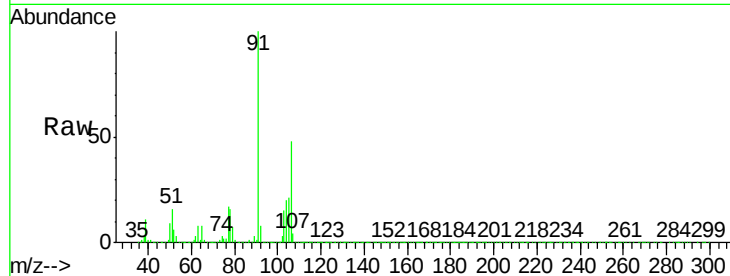
#69
o-Xylene
Concen: 19.259 ug/l
RT: 10.68 min Scan# 1607
Delta R.T. -0.00 min
Lab File: VX015644.D
Acq: 13 Apr 2020 16:03

Instrument :
MSVOA_X
ClientSampleId :
VX0413WBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	217.0	107.1	321.3

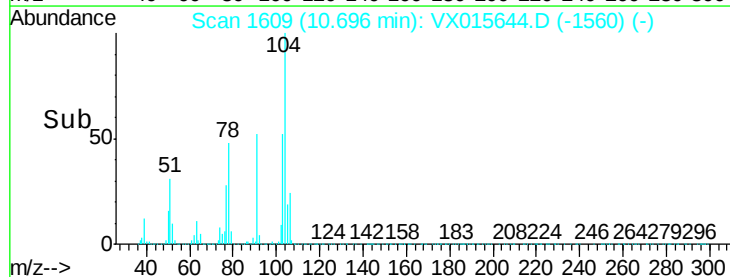
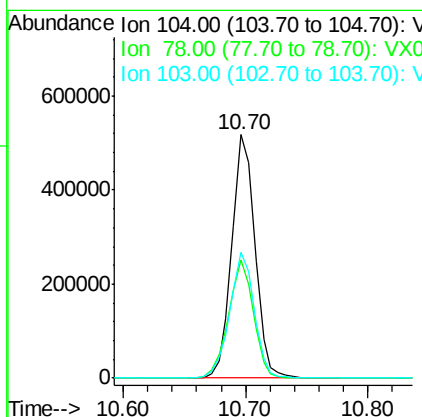
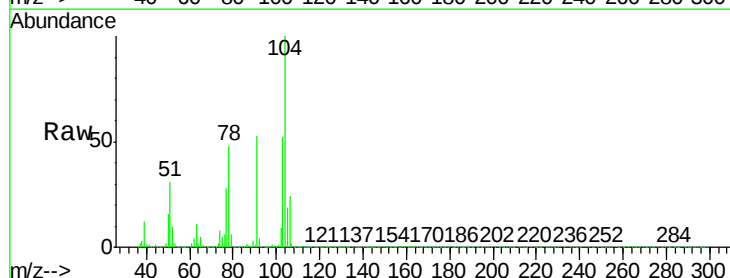
Manual Integrations
APPROVED

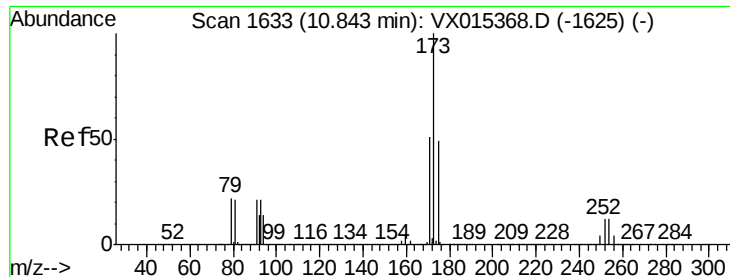
MMDadoda
4/14/2020 10:11:48 AM



#70
Styrene
Concen: 18.815 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX015644.D
Acq: 13 Apr 2020 16:03

Tgt Ion	Ratio	Lower	Upper
104	100		
78	52.1	42.0	63.0
103	54.6	43.4	65.0





#71

Bromoform

Concen: 18.727 ug/l

RT: 10.84 min Scan# 1633

Delta R.T. -0.00 min

Lab File: VX015644.D

Acq: 13 Apr 2020 16:03

Instrument :

MSVOA_X

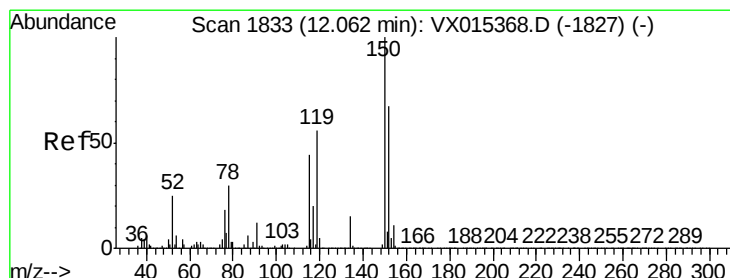
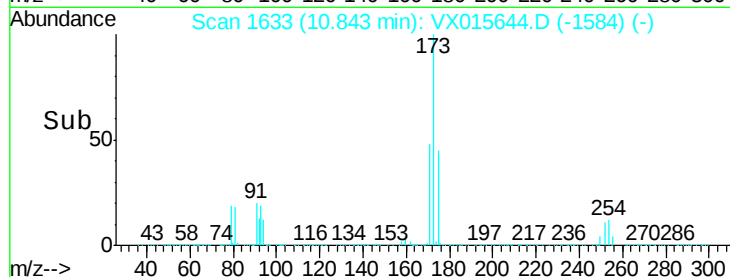
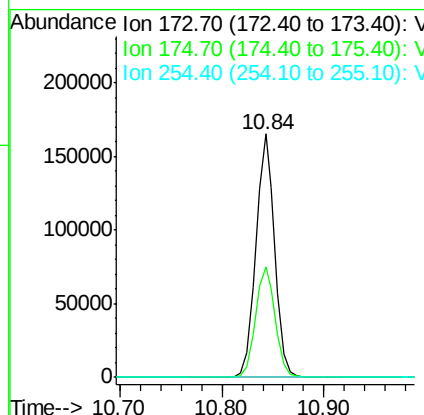
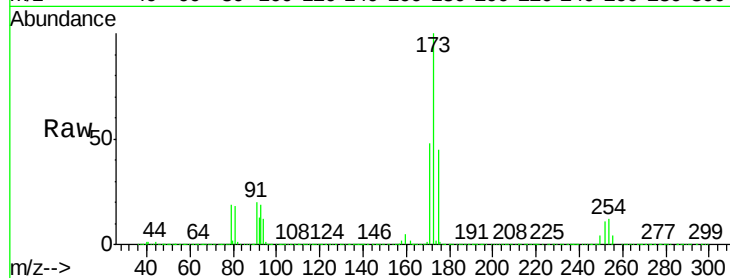
ClientSampleId :

VX0413WBS01

Tot Ion:	173	Resp:	213811
Ion Ratio	Lower	Upper	
173	100		
175	47.5	23.9	71.7
254	0.3	0.1	0.1#

Manual Integrations
APPROVED

MMDadoda
4/14/2020 10:11:48 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

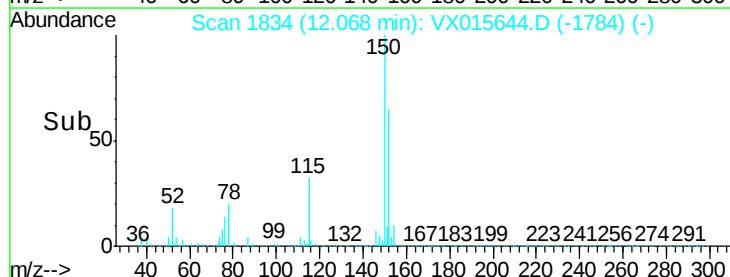
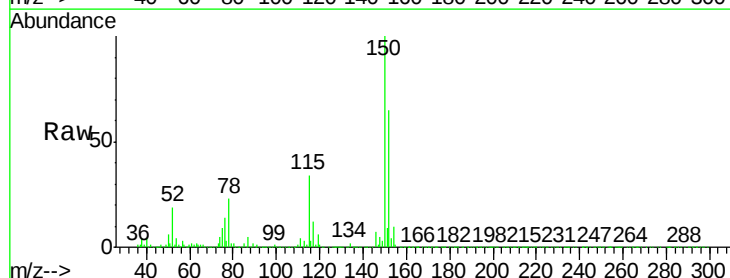
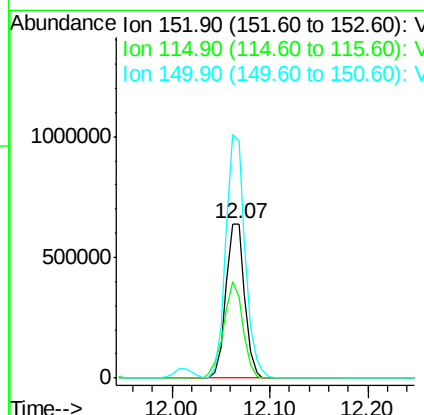
RT: 12.07 min Scan# 1834

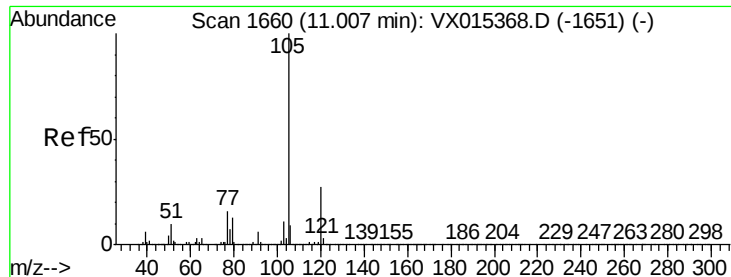
Delta R.T. 0.01 min

Lab File: VX015644.D

Acq: 13 Apr 2020 16:03

Tgt Ion:	152	Resp:	846368
Ion Ratio	Lower	Upper	
152	100		
115	64.6	39.0	116.9
150	162.2	0.0	340.8





#73

Isopropylbenzene

Concen: 19.322 ug/l

RT: 11.01 min Scan# 1660

Delta R.T. -0.00 min

Lab File: VX015644.D

Acq: 13 Apr 2020 16:03

Instrument :

MSVOA_X

ClientSampleId :

VX0413WBS01

Tot Ion: 105 Resp: 1071511

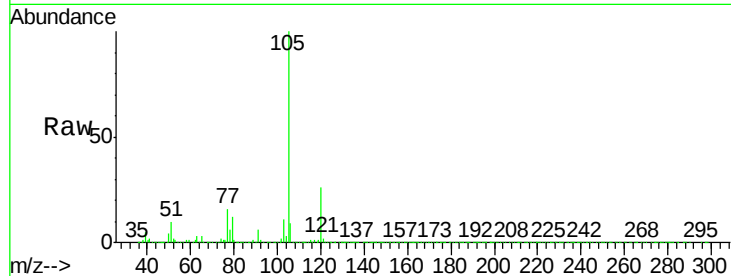
Ion Ratio Lower Upper

105 100

120 26.8 13.2 39.5

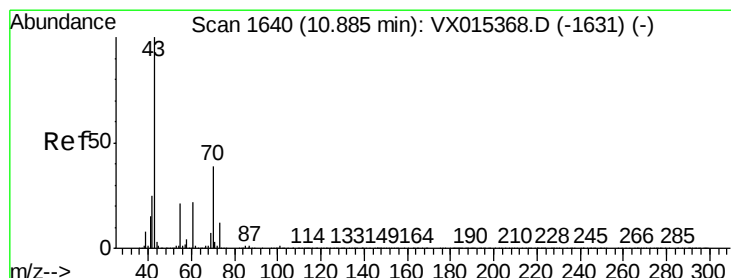
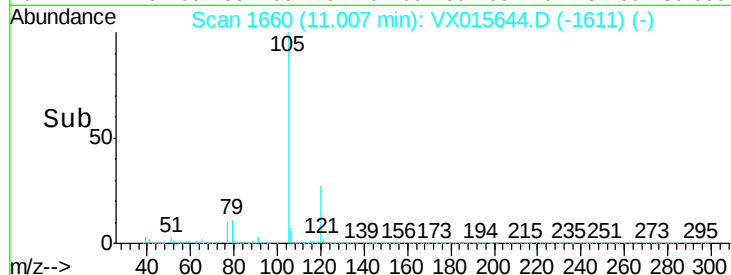
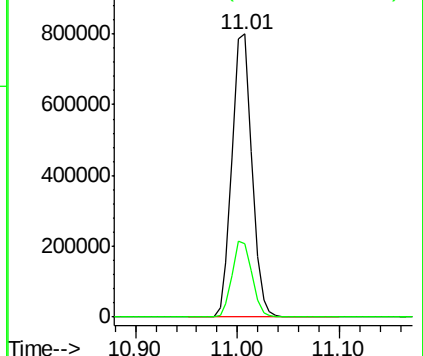
Manual Integrations
APPROVED

MMDadoda
4/14/2020 10:11:48 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: 17.400 ug/l

RT: 10.89 min Scan# 1640

Delta R.T. -0.00 min

Lab File: VX015644.D

Acq: 13 Apr 2020 16:03

Tgt Ion: 43 Resp: 536668

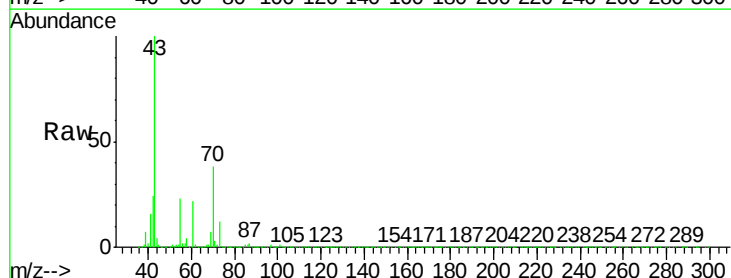
Ion Ratio Lower Upper

43 100

70 38.7 30.2 45.4

55 22.3 16.8 25.2

61 22.3 18.2 27.2

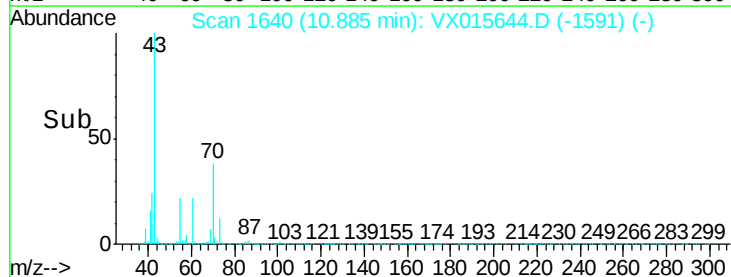
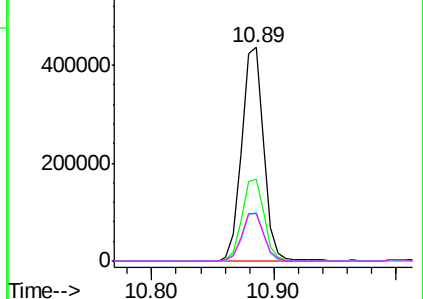


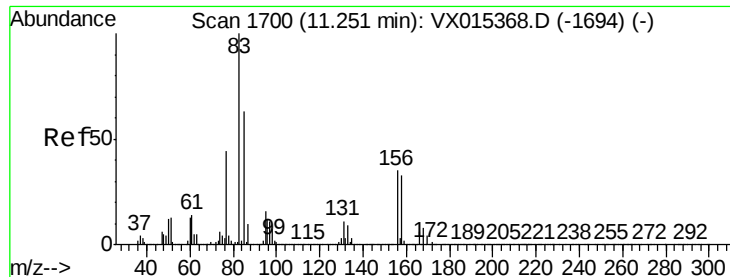
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 18.330 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX015644.D

Acq: 13 Apr 2020 16:03

Instrument :

MSVOA_X

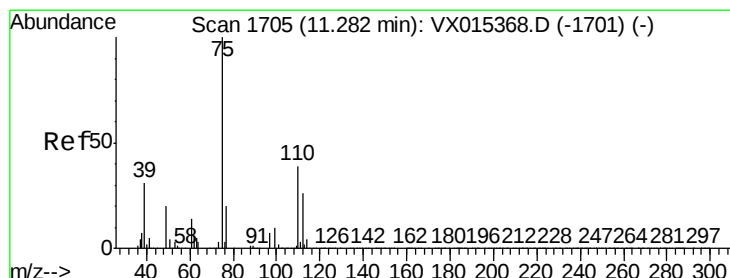
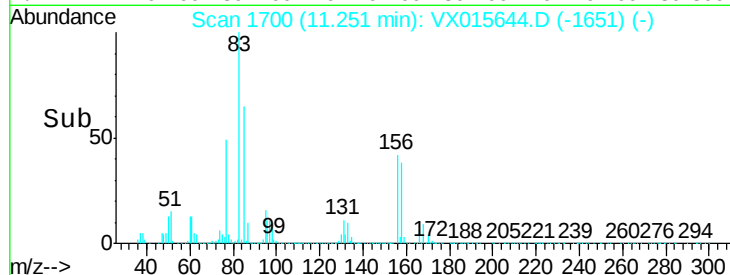
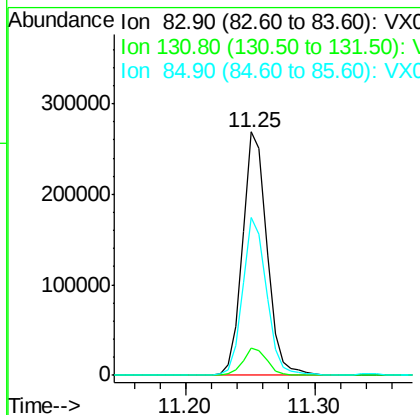
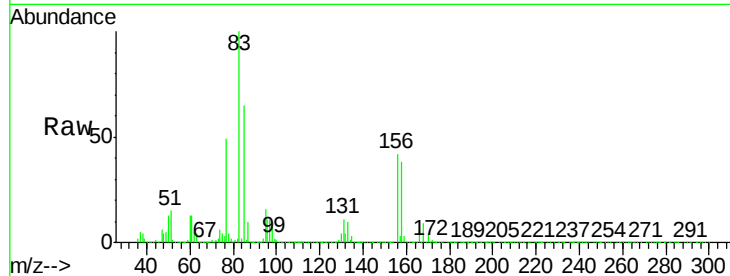
ClientSampleId :

VX0413WBS01

Tot Ion:	83	Resp:	348800
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.3	16.1
85	63.5	32.0	96.0

Manual Integrations
APPROVED

MMDadoda
4/14/2020 10:11:48 AM



#76

1,2,3-Trichloropropane

Concen: 18.615 ug/l m

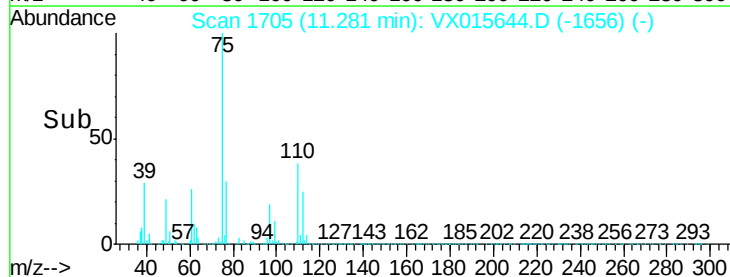
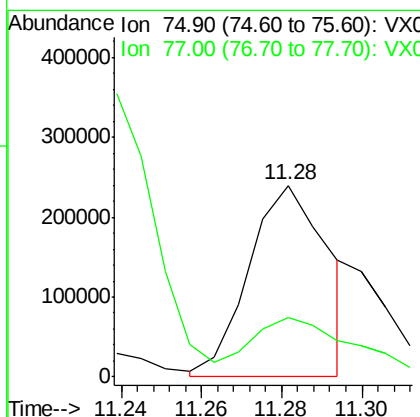
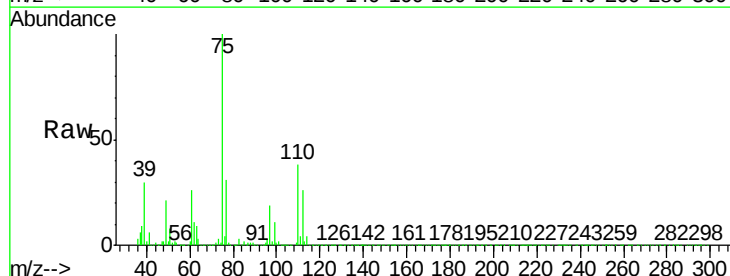
RT: 11.28 min Scan# 1705

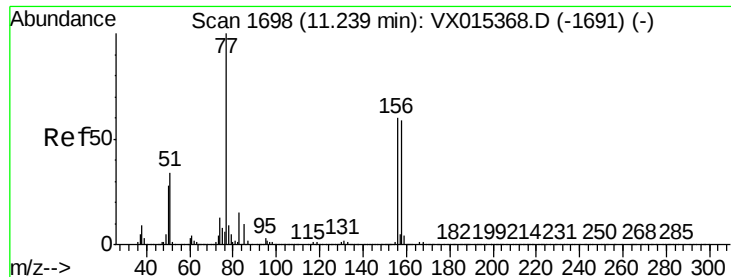
Delta R.T. -0.00 min

Lab File: VX015644.D

Acq: 13 Apr 2020 16:03

Tgt Ion:	75	Resp:	323987
Ion Ratio	Lower	Upper	
75	100		
77	40.5	21.2	63.6





#77

Bromobenzene

Concen: 19.639 ug/l

RT: 11.24 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX015644.D

Acq: 13 Apr 2020 16:03

Instrument :

MSVOA_X

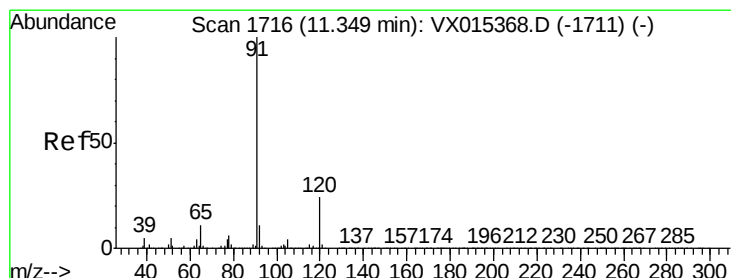
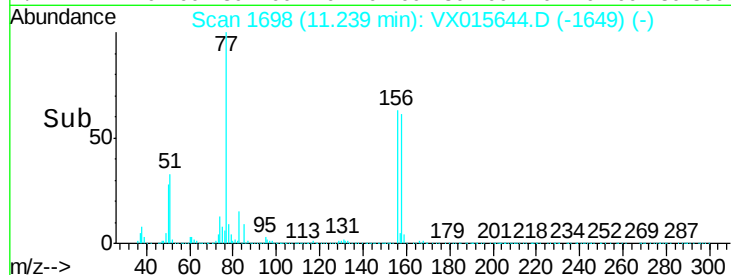
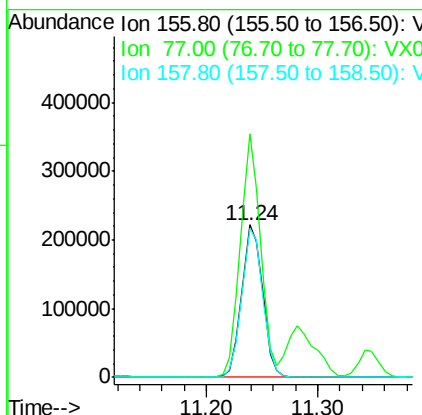
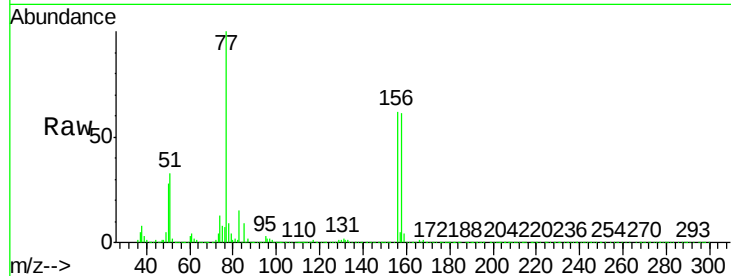
ClientSampleId :

VX0413WBS01

Tot Ion:	156	Resp:	290509
Ion Ratio	Lower	Upper	
156	100		
77	153.7	82.2	246.5
158	97.5	49.3	147.9

Manual Integrations
APPROVED

MMDadoda
4/14/2020 10:11:48 AM



#78

n-propylbenzene

Concen: 18.792 ug/l

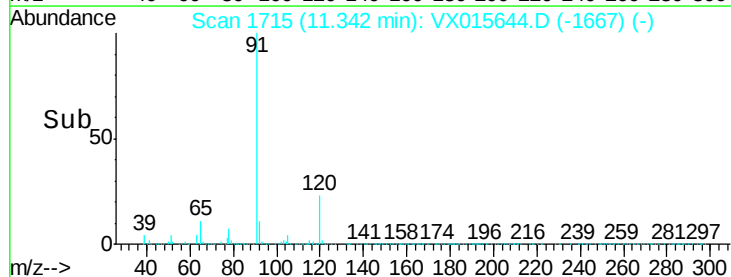
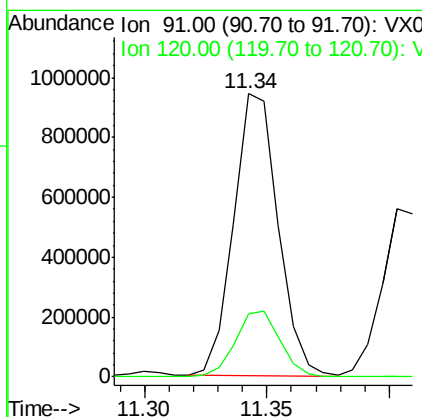
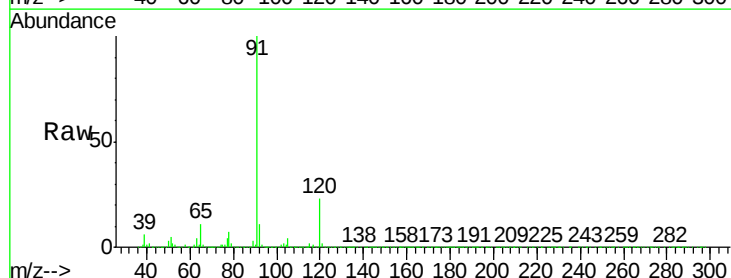
RT: 11.34 min Scan# 1715

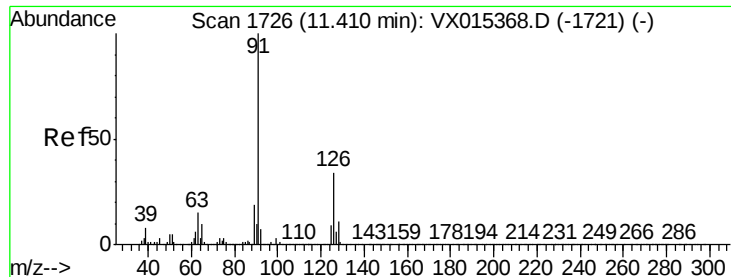
Delta R.T. -0.01 min

Lab File: VX015644.D

Acq: 13 Apr 2020 16:03

Tgt Ion:	91	Resp:	1191656
Ion Ratio	Lower	Upper	
91	100		
120	23.5	11.7	35.0





#79

2-Chlorotoluene

Concen: 18.791 ug/l

RT: 11.40 min Scan# 1725

Delta R.T. -0.01 min

Lab File: VX015644.D

Acq: 13 Apr 2020 16:03

Instrument :

MSVOA_X

ClientSampleId :

VX0413WBS01

Tot Ion: 91 Resp: 730332

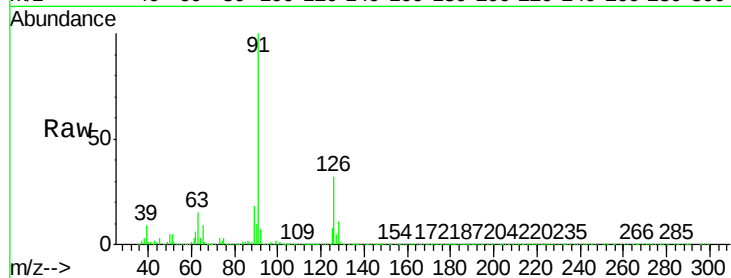
Ion Ratio Lower Upper

91 100

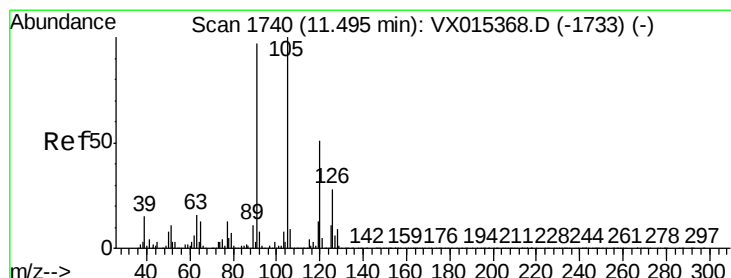
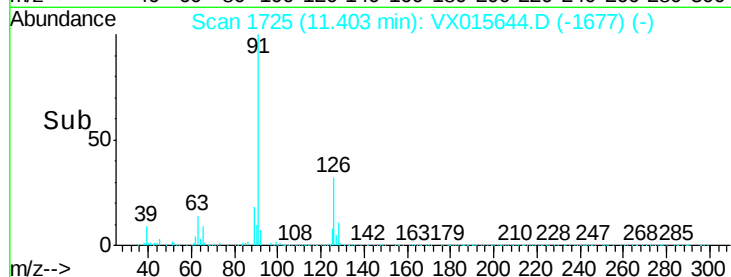
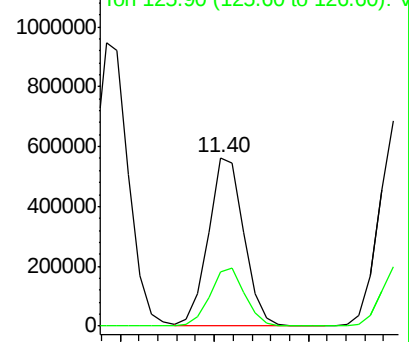
126 34.0 16.5 49.5

Manual Integrations
APPROVED

MMDadoda
4/14/2020 10:11:48 AM



Abundance Ion 91.00 (90.70 to 91.70): VX015368.D (-1721) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.150 ug/l

RT: 11.49 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VX015644.D

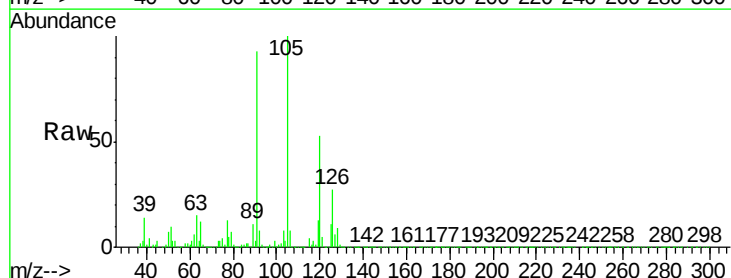
Acq: 13 Apr 2020 16:03

Tgt Ion: 105 Resp: 906985

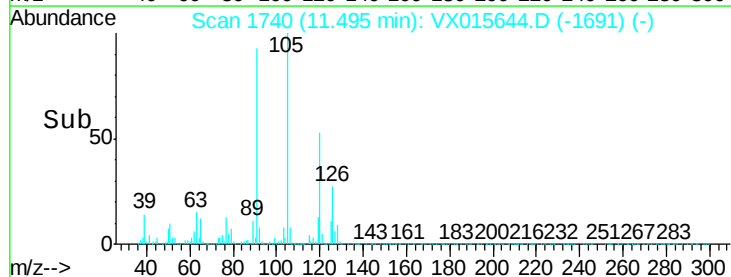
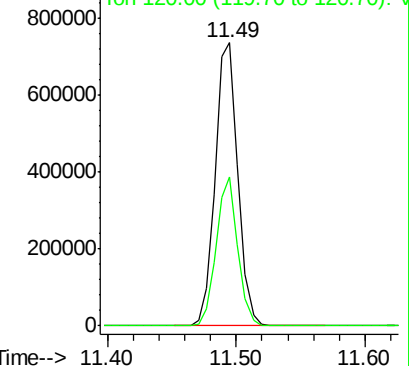
Ion Ratio Lower Upper

105 100

120 49.9 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): VX015368.D (-1733) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 15.861 ug/l

RT: 11.06 min Scan# 1669

Delta R.T. -0.00 min

Lab File: VX015644.D

Acq: 13 Apr 2020 16:03

Instrument :

MSVOA_X

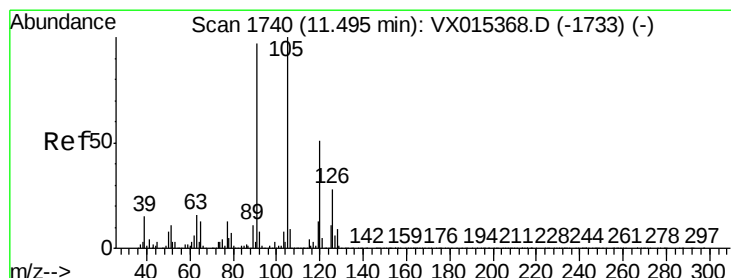
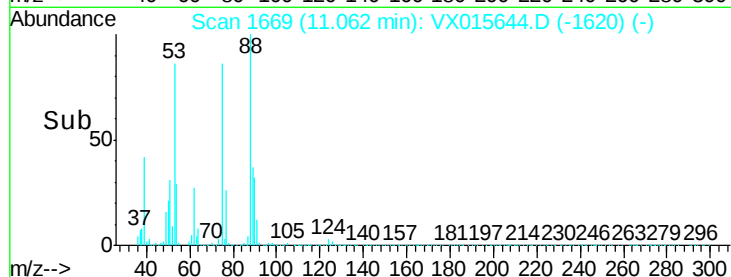
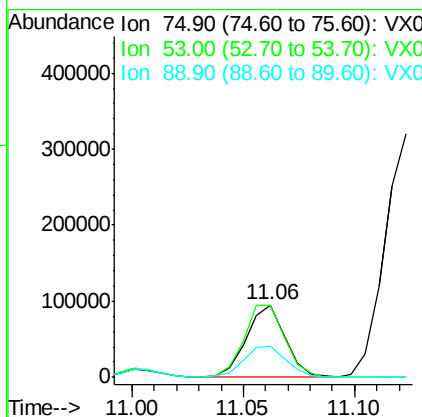
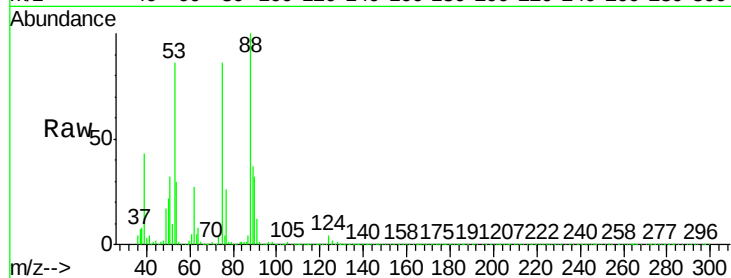
ClientSampleId :

VX0413WBS01

Tot Ion:	75	Resp:	115054
Ion Ratio	Lower	Upper	
75	100		
53	105.5	80.1	120.1
89	47.4	36.1	54.1

Manual Integrations
APPROVED

MMDadoda
4/14/2020 10:11:48 AM



#82

4-Chlorotoluene

Concen: 18.946 ug/l

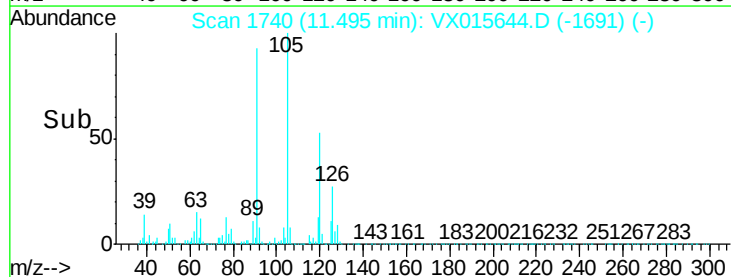
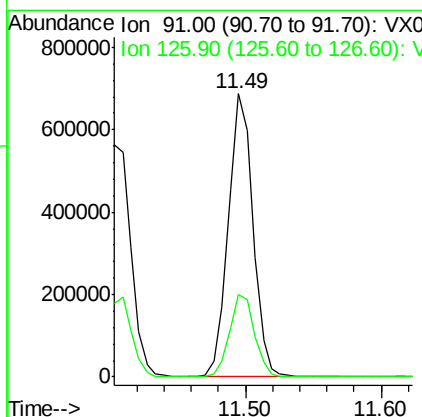
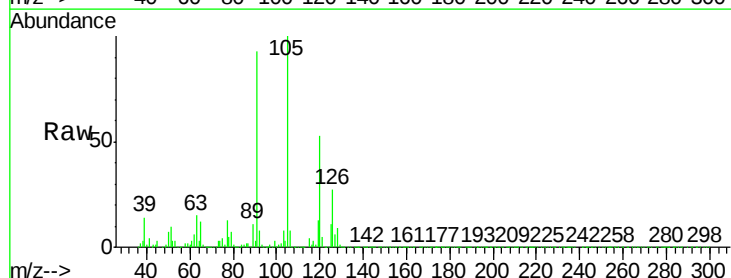
RT: 11.49 min Scan# 1740

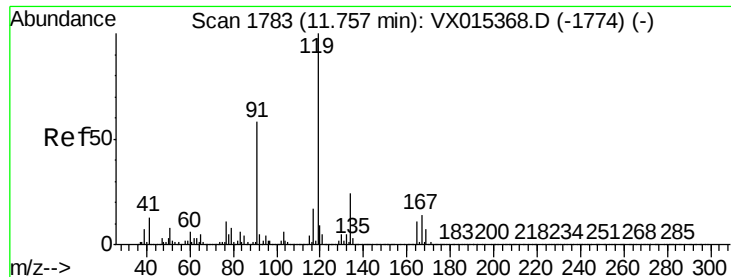
Delta R.T. -0.00 min

Lab File: VX015644.D

Acq: 13 Apr 2020 16:03

Tgt Ion:	91	Resp:	863258
Ion Ratio	Lower	Upper	
91	100		
126	29.5	14.7	44.1





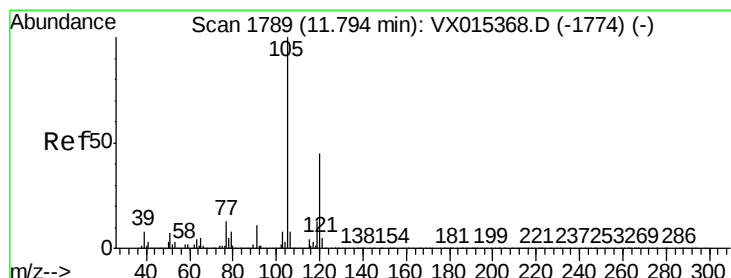
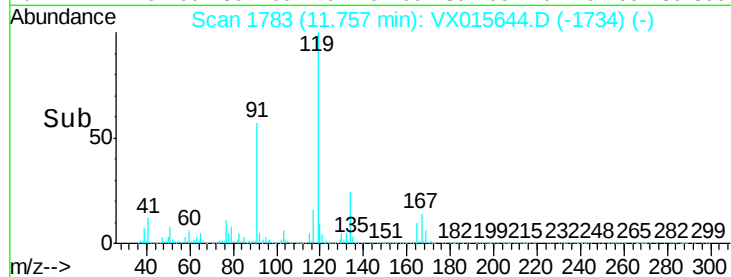
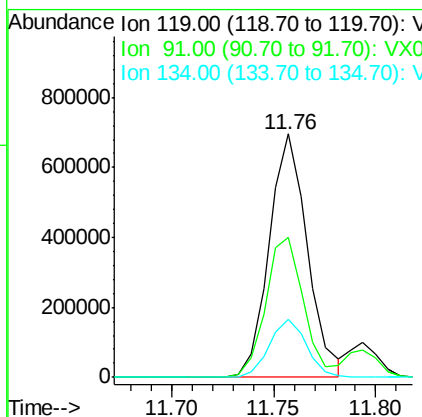
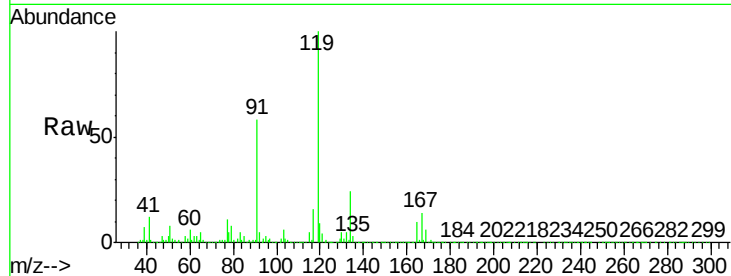
#83
tert-Butylbenzene
Concen: 19.599 ug/l
RT: 11.76 min Scan# 1783
Delta R.T. -0.00 min
Lab File: VX015644.D
Acq: 13 Apr 2020 16:03

Instrument :
MSVOA_X
ClientSampleId :
VX0413WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	906700		
91	57.7	28.6	85.8	
134	23.3	11.8	35.3	

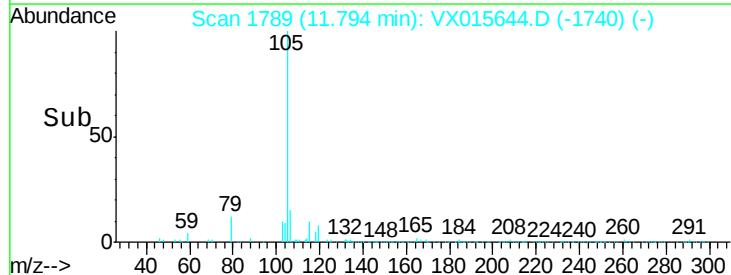
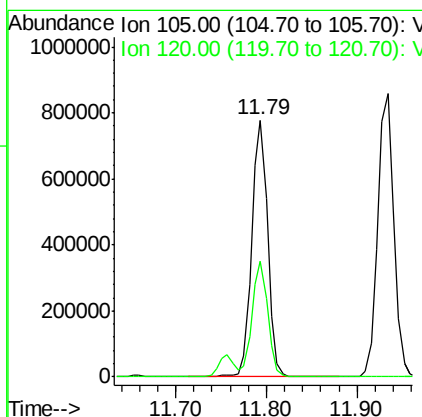
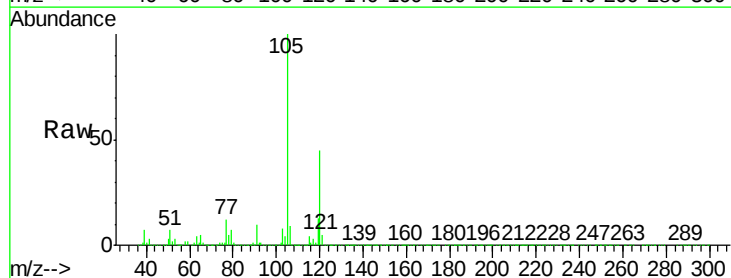
Manual Integrations
APPROVED

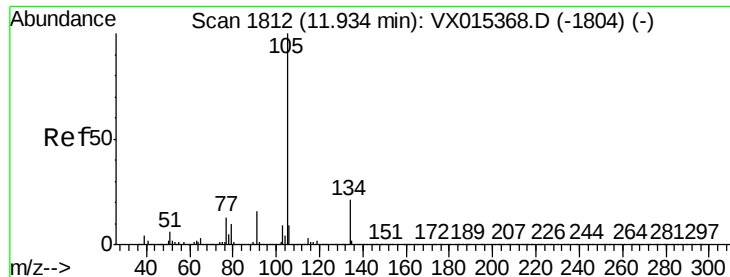
MMDadoda
4/14/2020 10:11:48 AM



#84
1,2,4-Trimethylbenzene
Concen: 19.449 ug/l
RT: 11.79 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VX015644.D
Acq: 13 Apr 2020 16:03

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	938648		
120	44.6	22.7	68.1	





#85

sec-Butylbenzene

Concen: 19.662 ug/l

RT: 11.93 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VX015644.D

Acq: 13 Apr 2020 16:03

Instrument :

MSVOA_X

ClientSampleId :

VX0413WBS01

Tot Ion:105 Resp: 1051991

Ion Ratio Lower Upper

105 100

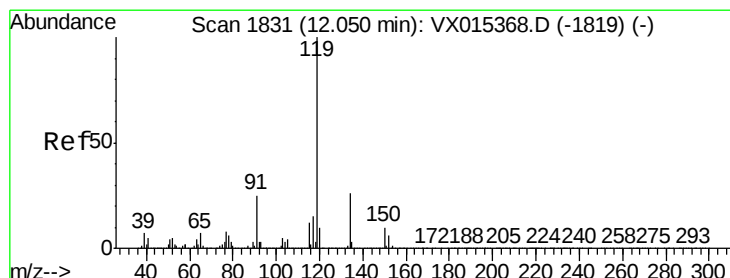
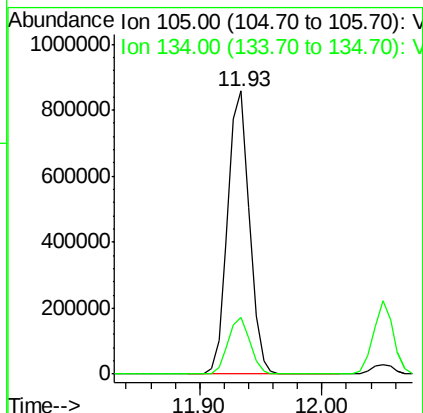
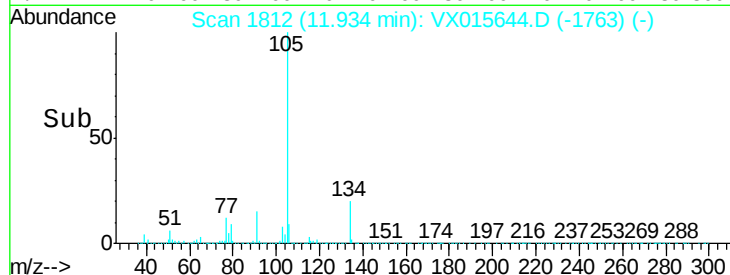
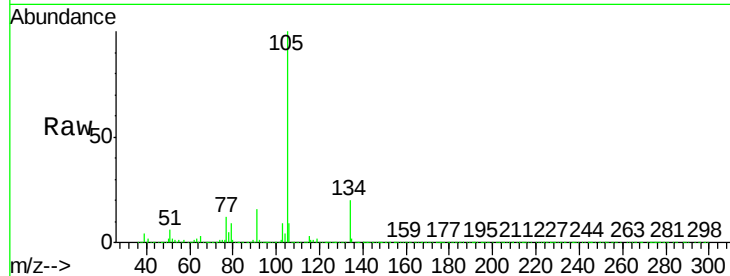
134 20.2 10.4 31.1

Manual Integrations

APPROVED

MMDadoda

4/14/2020 10:11:48 AM



#86

p-Isopropyltoluene

Concen: 20.183 ug/l

RT: 12.05 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VX015644.D

Acq: 13 Apr 2020 16:03

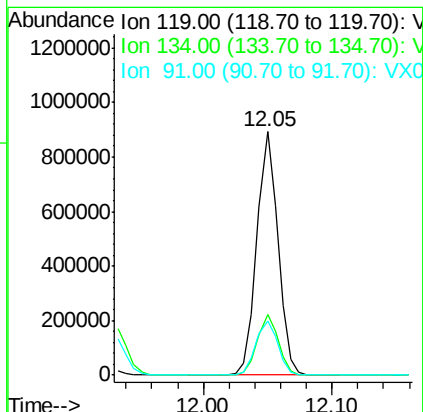
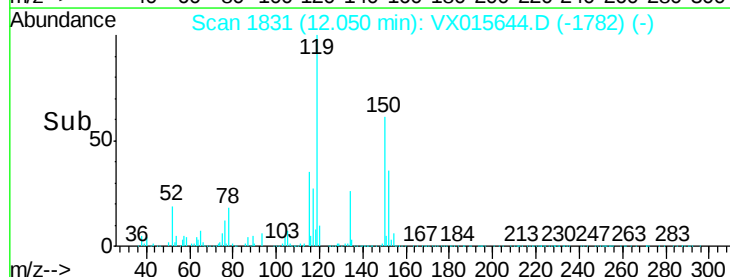
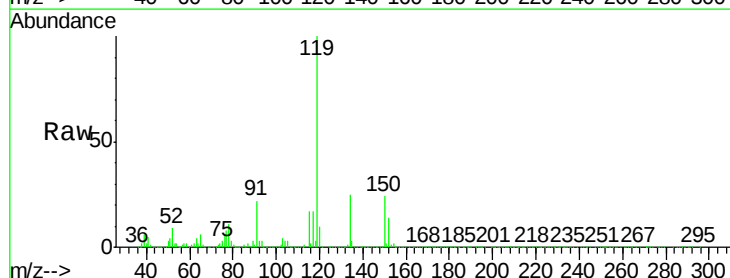
Tgt Ion:119 Resp: 1002481

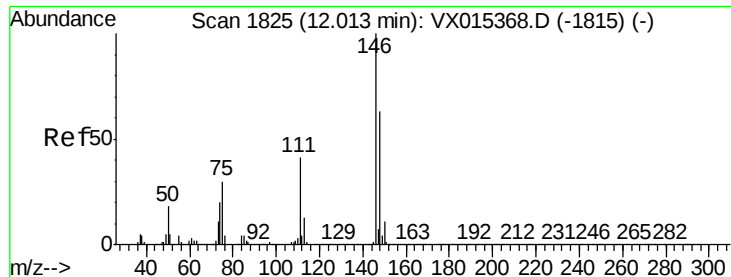
Ion Ratio Lower Upper

119 100

134 24.9 13.1 39.3

91 23.2 12.4 37.4





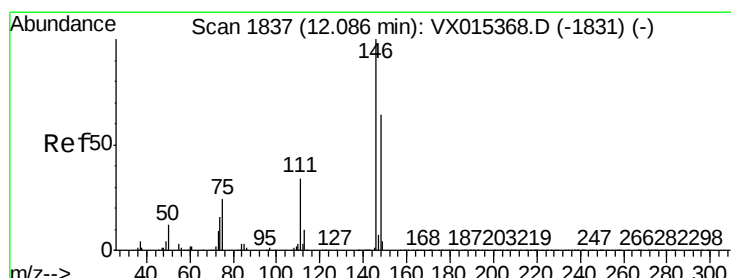
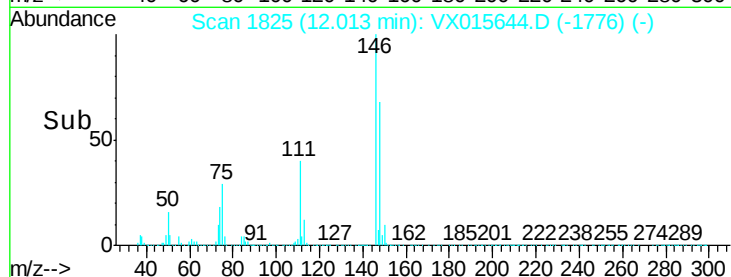
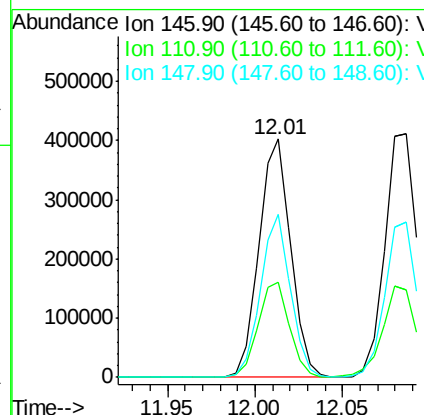
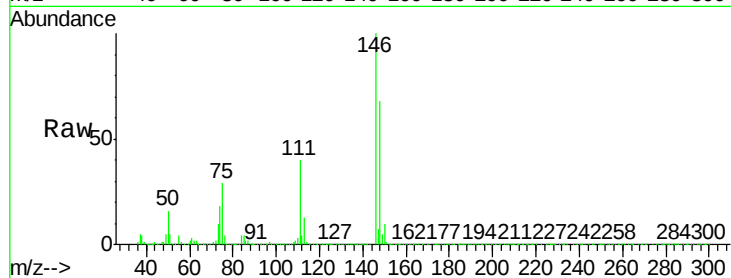
#87
 1,3-Dichlorobenzene
 Concen: 19.127 ug/l
 RT: 12.01 min Scan# 1825
 Delta R.T. -0.00 min
 Lab File: VX015644.D
 Acq: 13 Apr 2020 16:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0413WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.3	60.9
148	64.4	31.3	93.9

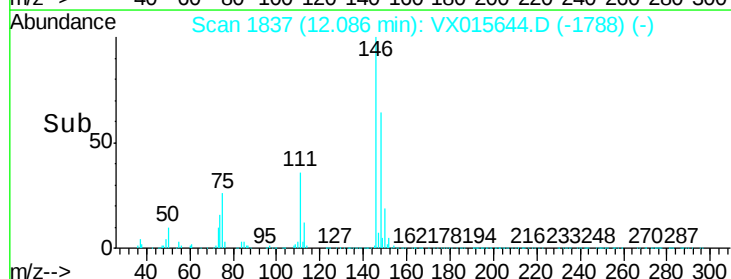
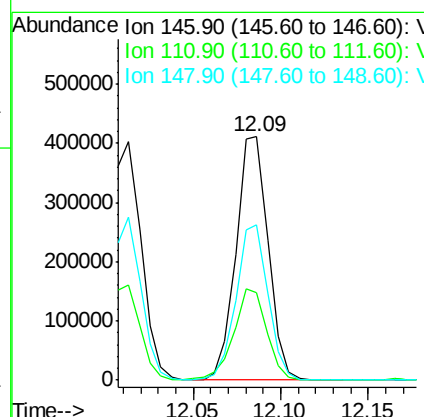
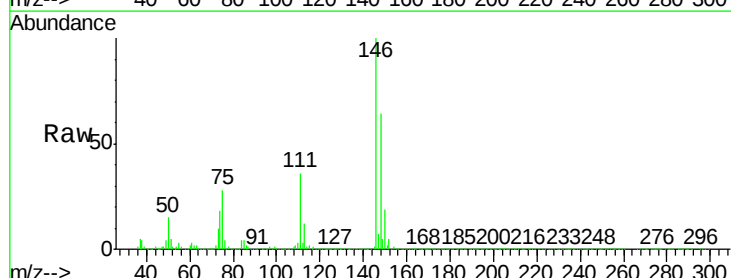
Manual Integrations
 APPROVED

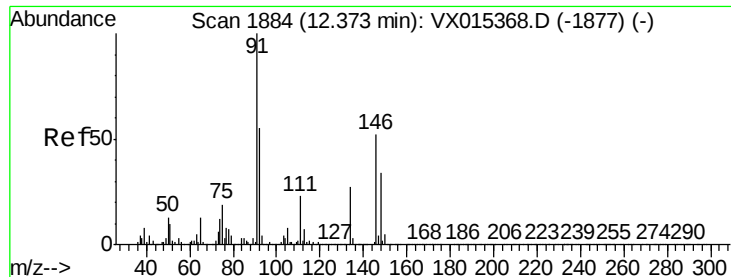
MMDadoda
 4/14/2020 10:11:48 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.477 ug/l
 RT: 12.09 min Scan# 1837
 Delta R.T. -0.00 min
 Lab File: VX015644.D
 Acq: 13 Apr 2020 16:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.1	57.5
148	63.6	32.4	97.2





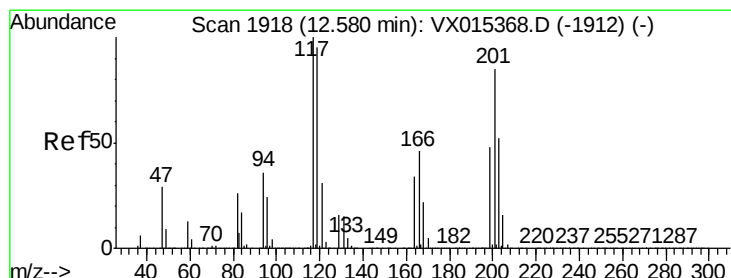
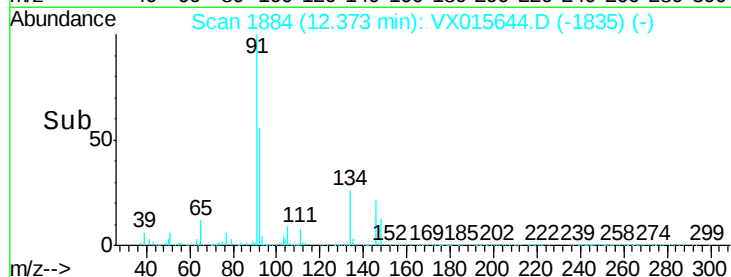
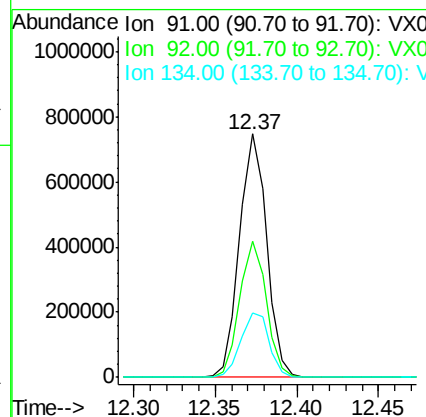
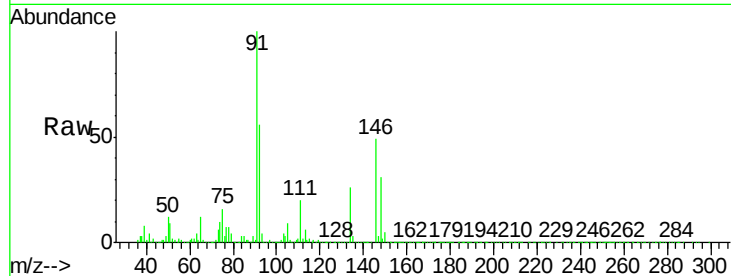
#89
n-Butylbenzene
Concen: 19.349 ug/l
RT: 12.37 min Scan# 1884
Delta R.T. -0.00 min
Lab File: VX015644.D
Acq: 13 Apr 2020 16:03

Instrument :
MSVOA_X
ClientSampleId :
VX0413WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.0	27.2	81.5
134	27.5	13.4	40.2

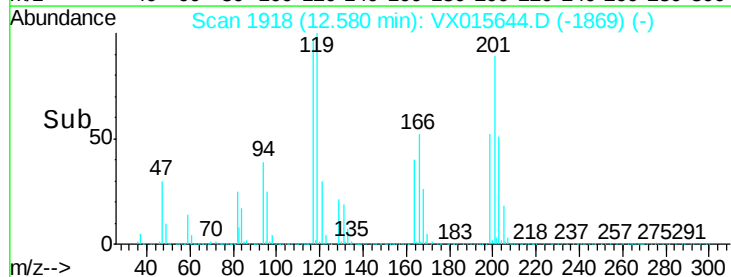
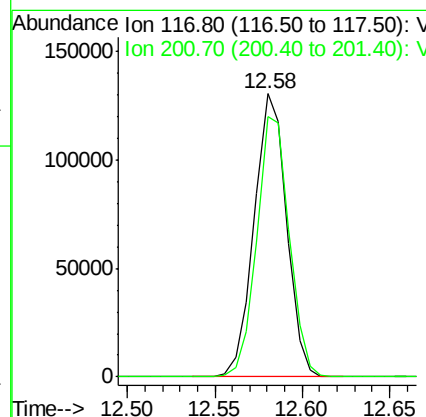
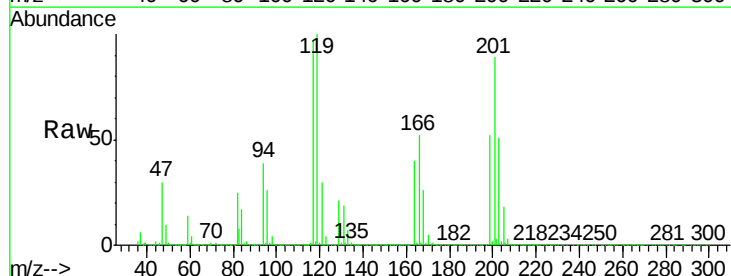
Manual Integrations
APPROVED

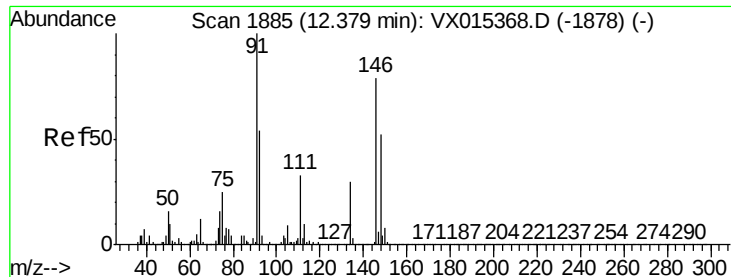
MMDadoda
4/14/2020 10:11:48 AM



#90
Hexachloroethane
Concen: 17.362 ug/l
RT: 12.58 min Scan# 1918
Delta R.T. -0.00 min
Lab File: VX015644.D
Acq: 13 Apr 2020 16:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.4	42.6	128.0





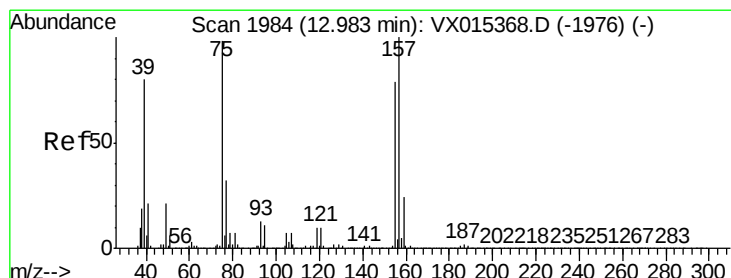
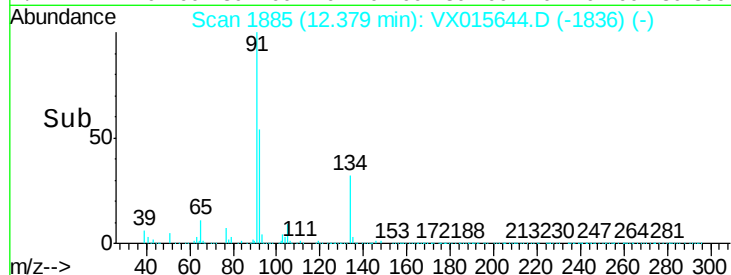
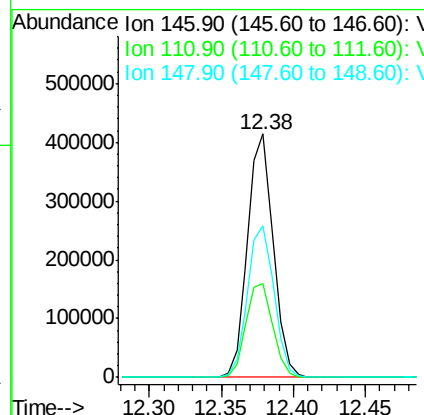
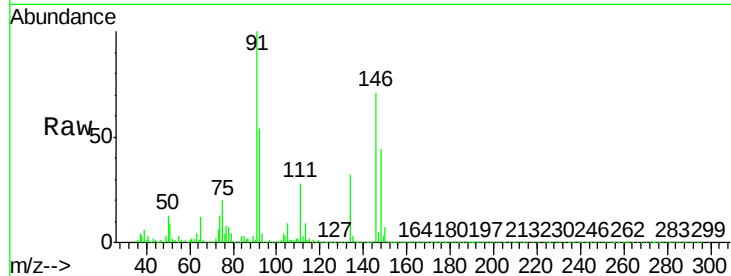
#91
 1,2-Dichlorobenzene
 Concen: 19.756 ug/l
 RT: 12.38 min Scan# 1885
 Delta R.T. -0.00 min
 Lab File: VX015644.D
 Acq: 13 Apr 2020 16:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0413WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	21.0	63.0
148	64.0	32.4	97.0

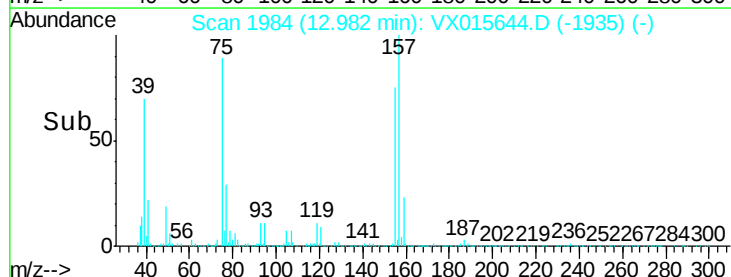
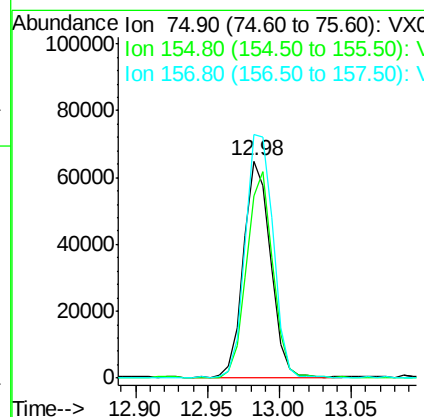
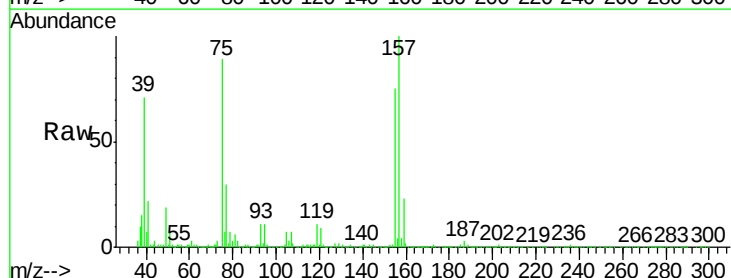
Manual Integrations
 APPROVED

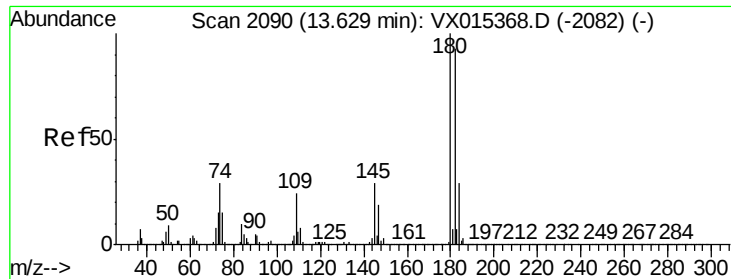
MMDadoda
 4/14/2020 10:11:48 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 15.701 ug/l
 RT: 12.98 min Scan# 1984
 Delta R.T. -0.00 min
 Lab File: VX015644.D
 Acq: 13 Apr 2020 16:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.0	42.8	128.4
157	115.3	53.4	160.3





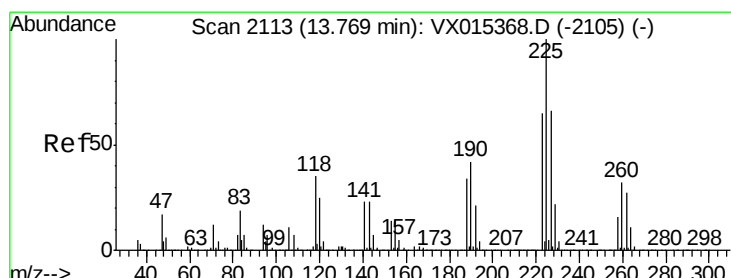
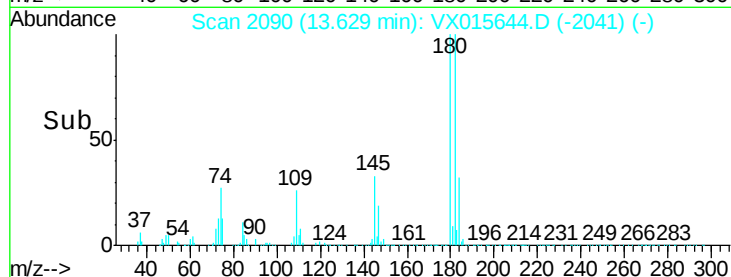
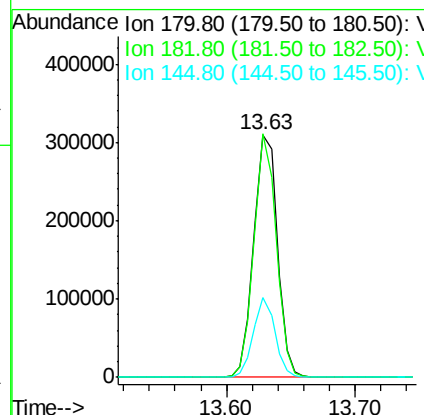
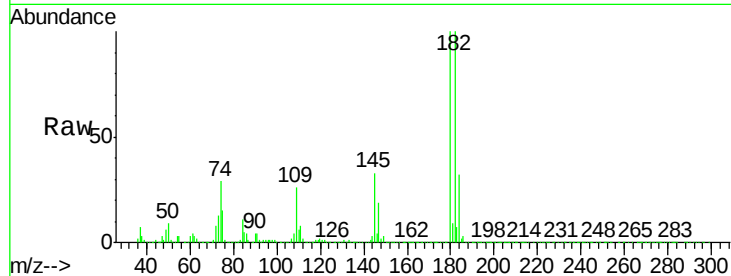
#93
 1,2,4-Trichlorobenzene
 Concen: 19.021 ug/l
 RT: 13.63 min Scan# 2090
 Delta R.T. -0.00 min
 Lab File: VX015644.D
 Acq: 13 Apr 2020 16:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0413WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	389909		
182	94.8	46.9	140.7	
145	30.4	14.9	44.5	

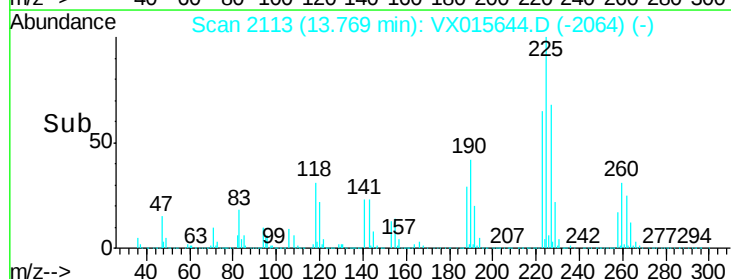
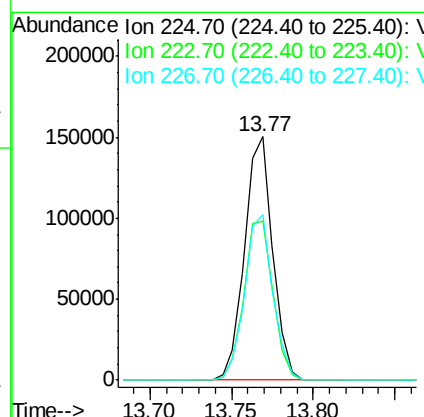
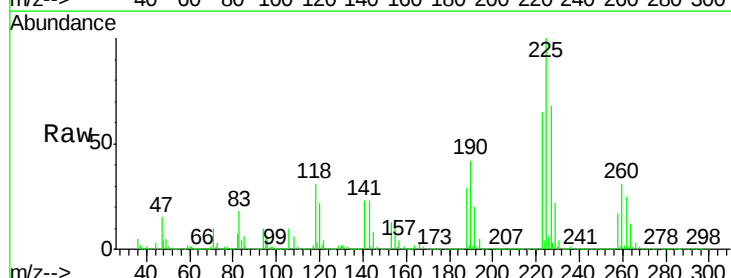
Manual Integrations
 APPROVED

MMDadoda
 4/14/2020 10:11:48 AM



#94
 Hexachlorobutadiene
 Concen: 18.472 ug/l
 RT: 13.77 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VX015644.D
 Acq: 13 Apr 2020 16:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	180278		
223	68.2	31.9	95.7	
227	68.9	30.4	91.3	





#95

Naphthalene

Concen: 19.046 ug/l

RT: 13.82 min Scan# 2121

Delta R.T. -0.00 min

Lab File: VX015644.D

Acq: 13 Apr 2020 16:03

Instrument :

MSVOA_X

ClientSampleId :

VX0413WBS01

Tot Ion:128 Resp: 1190908

Ion Ratio Lower Upper

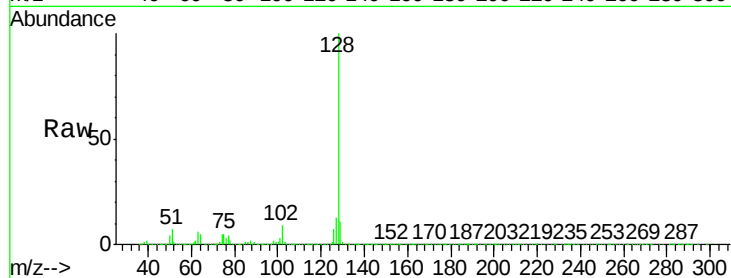
128 100

127 12.9 10.6 15.8

129 10.8 8.8 13.2

Manual Integrations
APPROVED

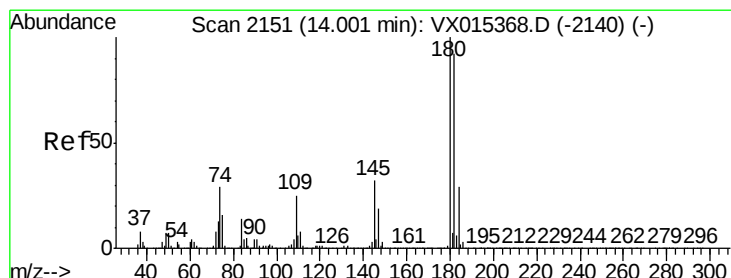
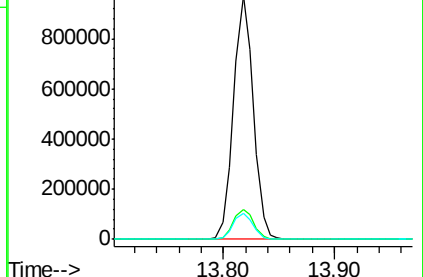
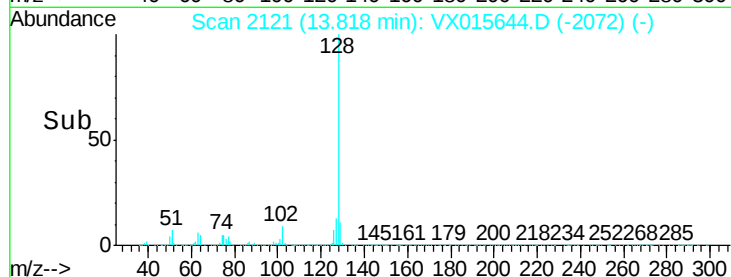
MMDadoda
4/14/2020 10:11:48 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.902 ug/l

RT: 14.01 min Scan# 2152

Delta R.T. 0.01 min

Lab File: VX015644.D

Acq: 13 Apr 2020 16:03

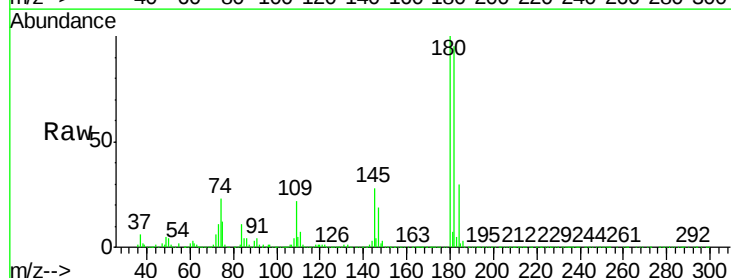
Tgt Ion:180 Resp: 392786

Ion Ratio Lower Upper

180 100

182 96.8 46.7 140.0

145 30.6 15.8 47.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

