

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX120920\
 Data File : VX019807.D
 Acq On : 10 Dec 2020 03:48
 Operator : JC/MD
 Sample : L4993-06MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TU032-32-5226-120820MS

Quant Time: Dec 10 06:45:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 04 15:32:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	268673	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	443075	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.09	117	406303	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	202044	50.00	ug/l	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4		6.03	65	169871	48.11	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.22%	
35) Dibromofluoromethane		5.46	113	138870	48.50	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	97.00%	
50) Toluene-d8		8.70	98	531693	48.64	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	97.28%	
62) 4-Bromofluorobenzene		11.12	95	198328	47.66	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	95.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	126896	51.588	ug/l	99
3) Chloromethane	1.31	50	130834	45.226	ug/l	100
4) Vinyl Chloride	1.39	62	158369	51.919	ug/l	99
5) Bromomethane	1.62	94	48358	47.746	ug/l	99
6) Chloroethane	1.70	64	100720	54.968	ug/l	96
7) Trichlorofluoromethane	1.91	101	223082	52.515	ug/l	97
8) Diethyl Ether	2.17	74	92328	51.289	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.36	101	131381	53.958	ug/l	99
10) Methyl Iodide	2.49	142	157059	43.761	ug/l	100
11) Tert butyl alcohol	3.01	59	177002	243.756	ug/l	100
12) 1,1-Dichloroethene	2.36	96	132174	53.694	ug/l	97
13) Acrolein	2.27	56	85421	219.157	ug/l	99
14) Allyl chloride	2.70	41	207199	49.838	ug/l	99
15) Acrylonitrile	3.11	53	438312	274.573	ug/l	100
16) Acetone	2.42	43	345997	260.683	ug/l	100
17) Carbon Disulfide	2.55	76	330671	46.816	ug/l	100
18) Methyl Acetate	2.75	43	168475	51.871	ug/l	100
19) Methyl tert-butyl Ether	3.17	73	476957	53.203	ug/l	100
20) Methylene Chloride	2.83	84	159931	52.862	ug/l	98
21) trans-1,2-Dichloroethene	3.14	96	148399	51.709	ug/l	97
22) Diisopropyl ether	3.82	45	450746	53.623	ug/l	93
23) Vinyl Acetate	3.78	43	1750579	244.448	ug/l	100
24) 1,1-Dichloroethane	3.67	63	268038	52.879	ug/l	100
25) 2-Butanone	4.63	43	550496	269.919	ug/l	99
26) 2,2-Dichloropropane	4.55	77	175567	40.220	ug/l	98
27) cis-1,2-Dichloroethene	4.56	96	172208	51.275	ug/l	98
28) Bromochloromethane	4.98	49	121275	50.188	ug/l	99
29) Tetrahydrofuran	5.09	42	355978	270.908	ug/l	100
30) Chloroform	5.17	83	275475	52.854	ug/l	99
31) Cyclohexane	5.54	56	225311	51.295	ug/l	100
32) 1,1,1-Trichloroethane	5.46	97	234754	52.301	ug/l	99
36) 1,1-Dichloropropene	5.76	75	198948	49.690	ug/l	99
37) Ethyl Acetate	4.79	43	193603	47.892	ug/l	100
38) Carbon Tetrachloride	5.75	117	201596	51.418	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	230609	49.024	ug/l	99
40) Benzene	6.11	78	625086	51.109	ug/l	100
41) Methacrylonitrile	5.00	41	117797	53.074	ug/l	99
42) 1,2-Dichloroethane	6.16	62	216445	51.797	ug/l	100
43) Isopropyl Acetate	6.41	43	319974	48.686	ug/l	100
44) Trichloroethene	7.18	130	159428	49.682	ug/l	99
45) 1,2-Dichloropropane	7.49	63	158582	51.880	ug/l	98
46) Dibromomethane	7.63	93	107495	52.075	ug/l	99
47) Bromodichloromethane	7.87	83	214830	52.448	ug/l	98
48) Methyl methacrylate	7.74	41	169126	52.324	ug/l	99
49) 1,4-Dioxane	7.71	88	72979	932.026	ug/l	100
51) 4-Methyl-2-Pentanone	8.62	43	1072794	267.358	ug/l	100
52) Toluene	8.76	92	393523	51.445	ug/l	98
53) t-1,3-Dichloropropene	9.02	75	224303	49.347	ug/l	98
54) cis-1,3-Dichloropropene	8.41	75	244195	49.451	ug/l	97
55) 1,1,2-Trichloroethane	9.20	97	162482	52.710	ug/l	99
56) Ethyl methacrylate	9.16	69	246502	52.854	ug/l	99
57) 1,3-Dichloropropane	9.35	76	272704	51.810	ug/l	99
59) 2-Hexanone	9.47	43	819397	263.449	ug/l	100
60) Dibromochloromethane	9.56	129	166496	53.162	ug/l	100
61) 1,2-Dibromoethane	9.65	107	169405	51.753	ug/l	100
64) Tetrachloroethene	9.32	164	138783	50.934	ug/l	98
65) Chlorobenzene	10.12	112	409300	50.564	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.20	131	154112	52.896	ug/l	99
67) Ethyl Benzene	10.23	91	742800	51.697	ug/l	98
68) m/p-Xylenes	10.34	106	557345	102.941	ug/l	99
69) o-Xylene	10.68	106	270623	51.961	ug/l	99
70) Styrene	10.70	104	462221	52.580	ug/l	100
71) Bromoform	10.84	173	121755	53.122	ug/l	99
73) Isopropylbenzene	11.00	105	723377	52.405	ug/l	99
74) N-amyl acetate	10.88	43	260143	47.028	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.25	83	257797	52.973	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	287246	63.389	ug/l	88
77) Bromobenzene	11.24	156	182076	51.543	ug/l	98
78) n-propylbenzene	11.34	91	818976	51.947	ug/l	100
79) 2-Chlorotoluene	11.40	91	499929	51.492	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	606305	52.044	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.05	75	74856	47.754	ug/l	98
82) 4-Chlorotoluene	11.49	91	585848	51.522	ug/l	100
83) tert-Butylbenzene	11.76	119	589095	51.559	ug/l	98
84) 1,2,4-Trimethylbenzene	11.79	105	614980	52.405	ug/l	99
85) sec-Butylbenzene	11.93	105	678147	51.986	ug/l	100
86) p-Isopropyltoluene	12.05	119	620678	51.917	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	323798	49.942	ug/l	100
88) 1,4-Dichlorobenzene	12.08	146	325385	49.275	ug/l	100
89) n-Butylbenzene	12.37	91	534503	50.463	ug/l	99
90) Hexachloroethane	12.58	117	106236	51.470	ug/l	98
91) 1,2-Dichlorobenzene	12.37	146	320401	50.695	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	55763	53.300	ug/l	99
93) 1,2,4-Trichlorobenzene	13.63	180	211592	51.430	ug/l	99

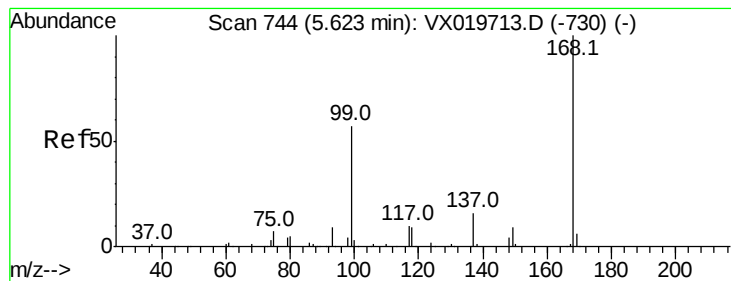
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.76	225	86352	46.960	ug/l	99
95) Naphthalene	13.82	128	714267	53.551	ug/l	100
96) 1,2,3-Trichlorobenzene	14.00	180	205592	51.133	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.01 min

Lab File: VX019807.D

Acq: 10 Dec 2020 03:48

Instrument :

MSVOA_X

ClientSampleId :

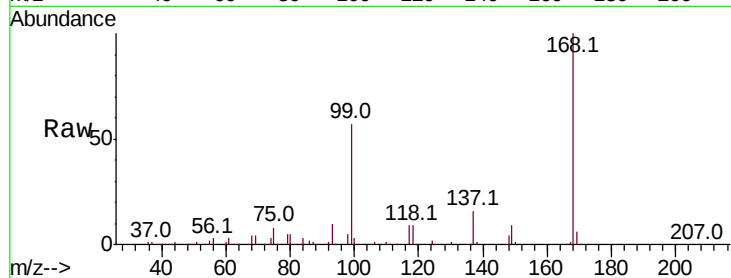
TU032-32-5226-120820MS

Tot Ion:168 Resp: 268673

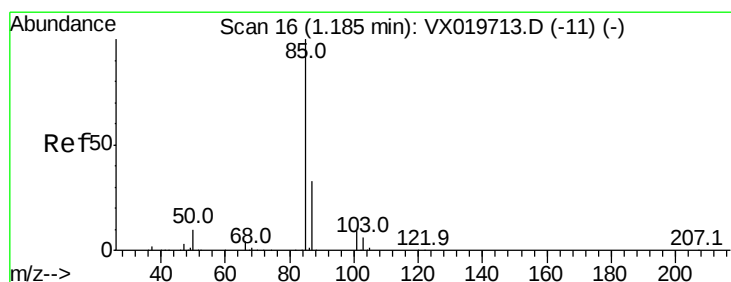
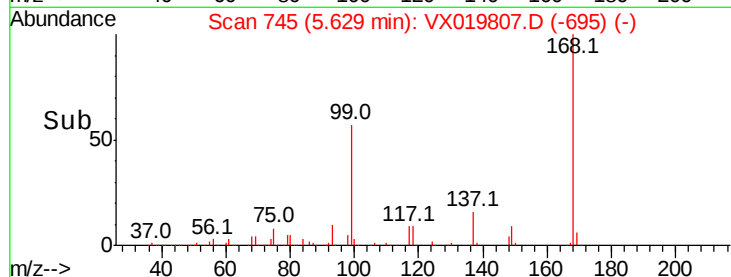
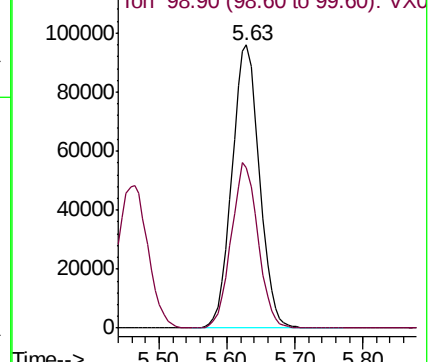
Ion Ratio Lower Upper

168 100

99 56.6 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V



#2

Dichlorodifluoromethane

Concen: 51.588 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX019807.D

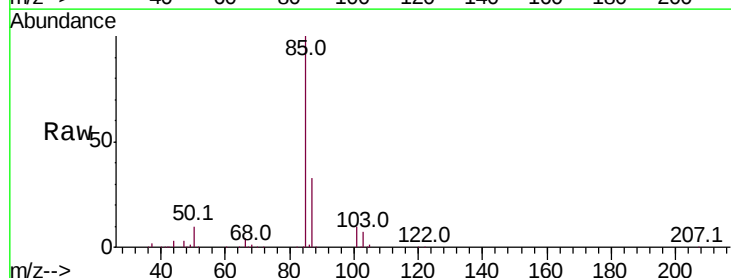
Acq: 10 Dec 2020 03:48

Tgt Ion: 85 Resp: 126896

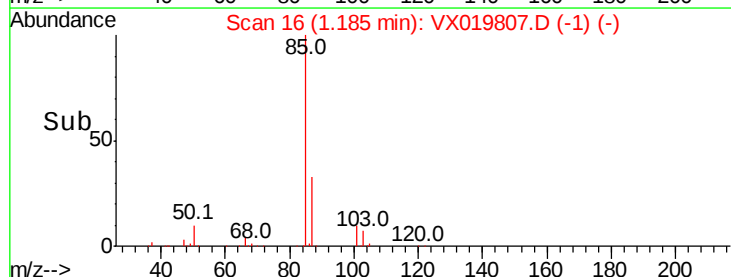
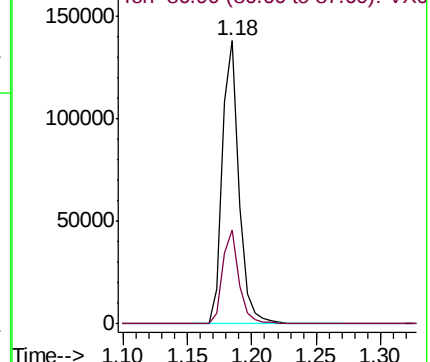
Ion Ratio Lower Upper

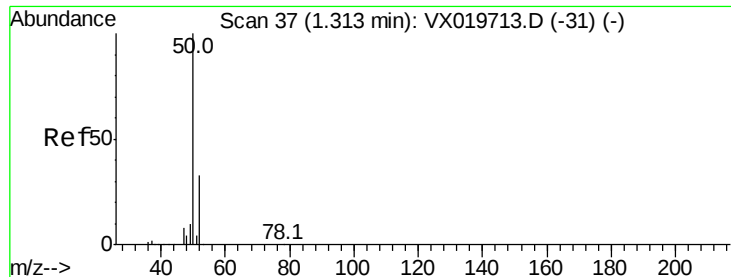
85 100

87 33.4 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VX0





#3

Chloromethane

Concen: 45.226 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX019807.D

Acq: 10 Dec 2020 03:48

Instrument :

MSVOA_X

ClientSampleId :

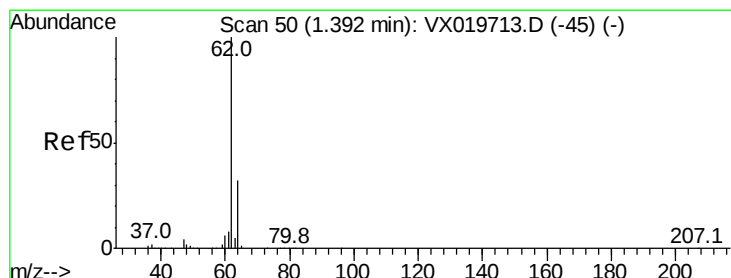
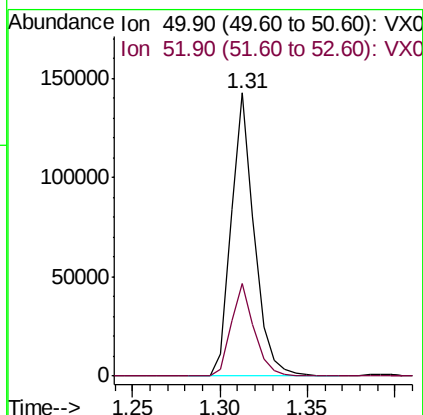
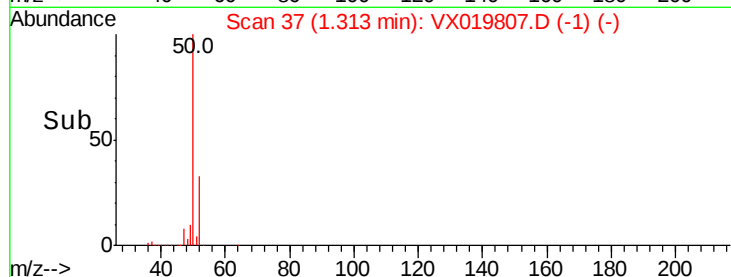
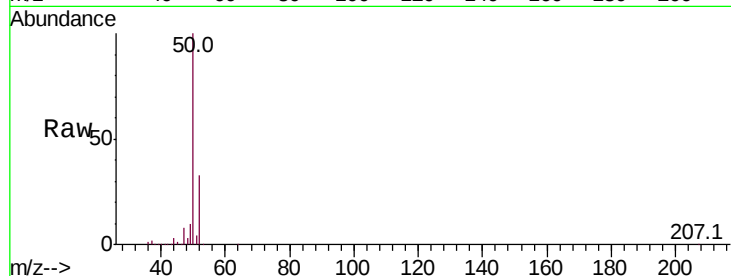
TU032-32-5226-120820MS

Tot Ion: 50 Resp: 130834

Ion Ratio Lower Upper

50 100

52 32.8 26.4 39.6



#4

Vinyl Chloride

Concen: 51.919 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX019807.D

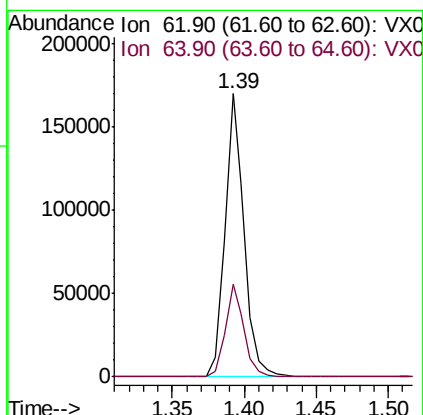
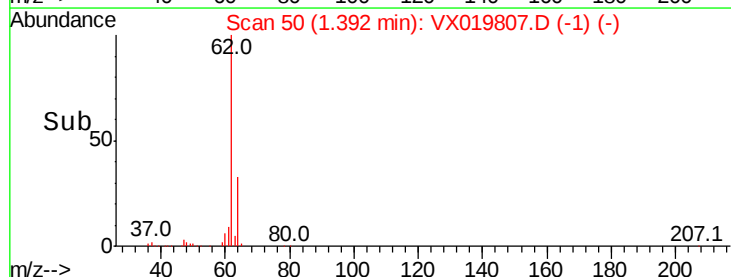
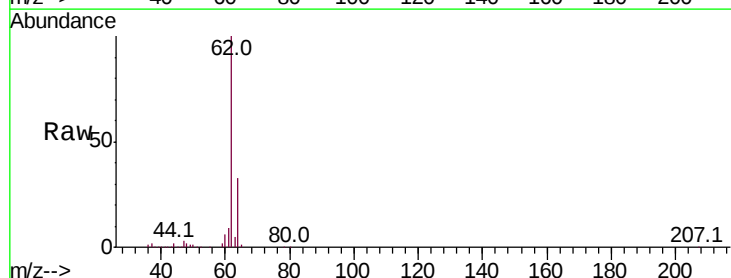
Acq: 10 Dec 2020 03:48

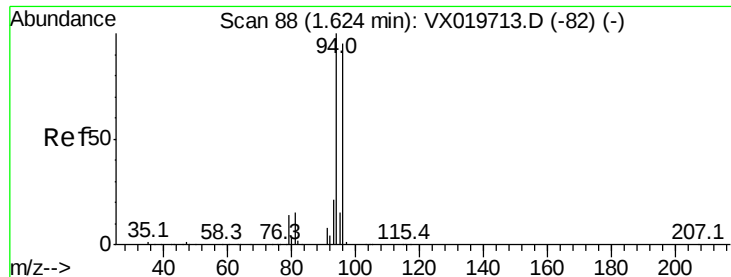
Tgt Ion: 62 Resp: 158369

Ion Ratio Lower Upper

62 100

64 32.9 25.7 38.5





#5

Bromomethane

Concen: 47.746 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VX019807.D

Acq: 10 Dec 2020 03:48

Instrument :

MSVOA_X

ClientSampleId :

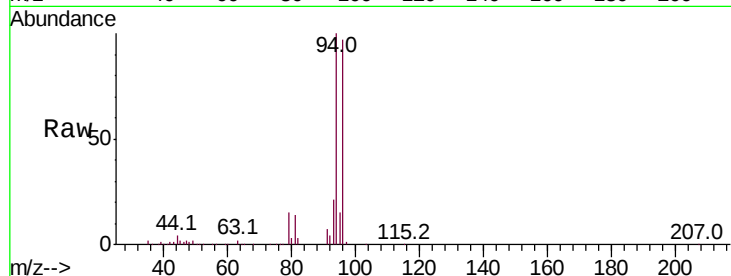
TU032-32-5226-120820MS

Tot Ion: 94 Resp: 48358

Ion Ratio Lower Upper

94 100

96 96.6 76.4 114.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.62

50000

40000

30000

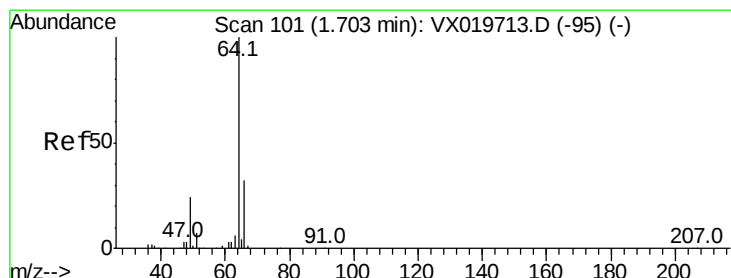
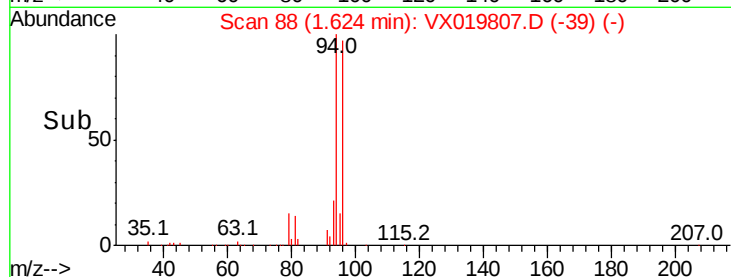
20000

10000

0

Time-->

1.60 1.65



#6

Chloroethane

Concen: 54.968 ug/l

RT: 1.70 min Scan# 101

Delta R.T. -0.00 min

Lab File: VX019807.D

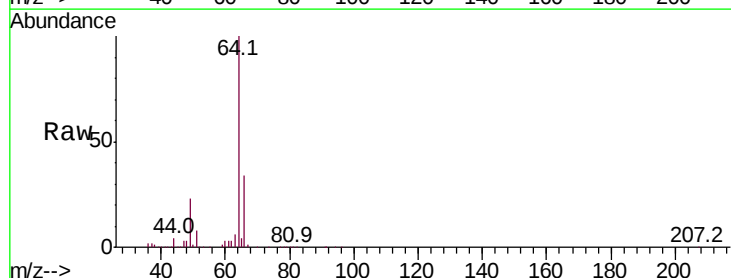
Acq: 10 Dec 2020 03:48

Tgt Ion: 64 Resp: 100720

Ion Ratio Lower Upper

64 100

66 33.8 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.70

80000

60000

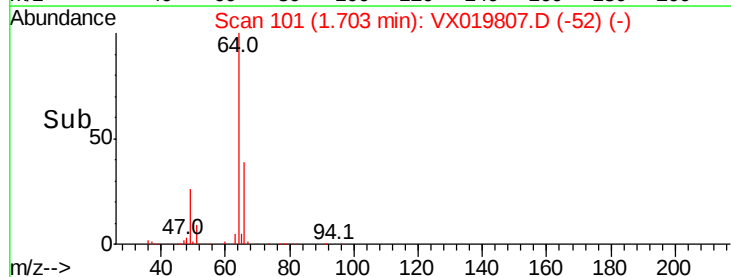
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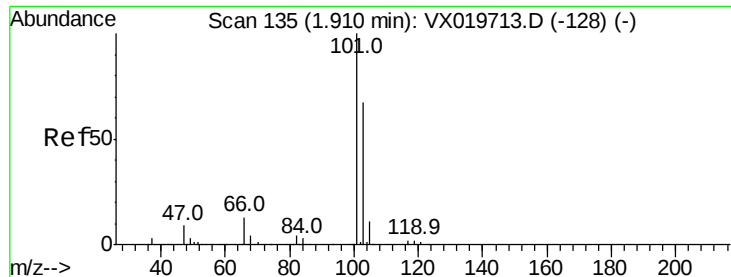
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Time-->

1.60 1.65 1.70 1.75 1.80



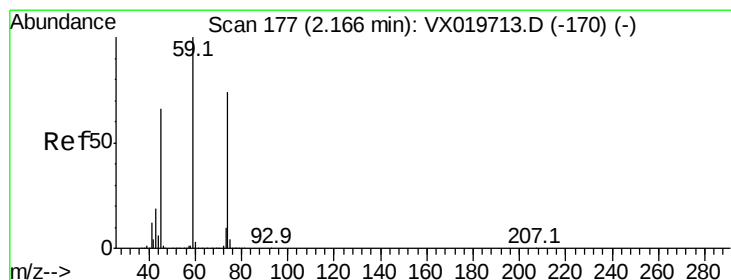
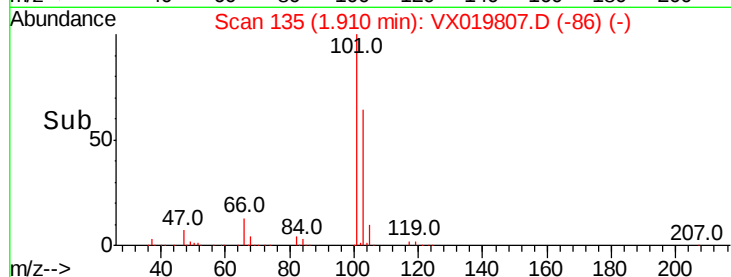
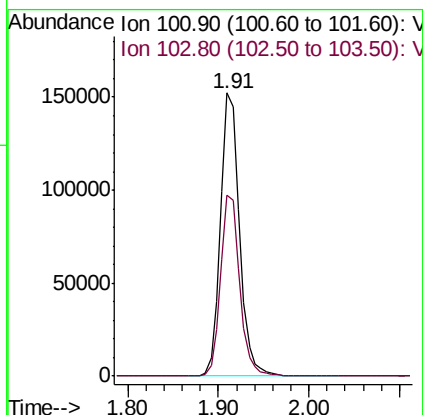
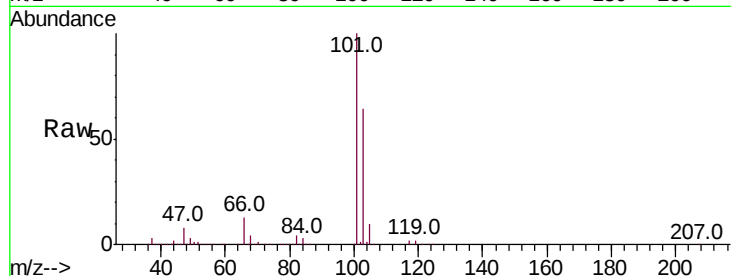


#7

Trichlorofluoromethane
 Concen: 52.515 ug/l
 RT: 1.91 min Scan# 135
 Delta R.T. -0.00 min
 Lab File: VX019807.D
 Acq: 10 Dec 2020 03:48

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 MSVOA_X
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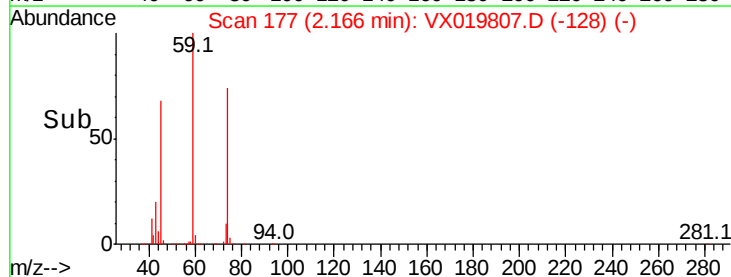
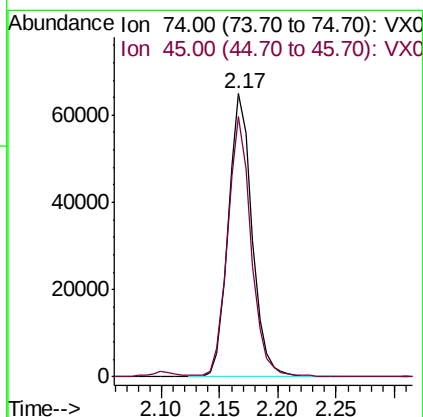
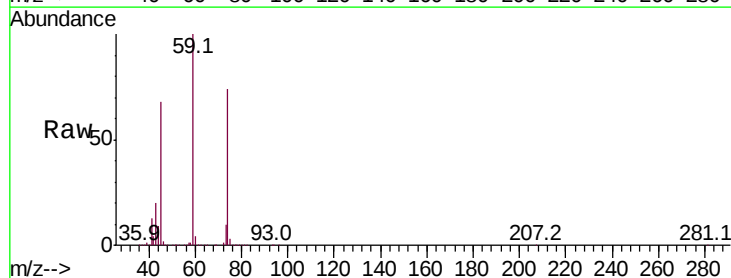
Tot Ion:101 Resp: 223082
 Ion Ratio Lower Upper
 101 100
 103 63.9 53.2 79.8

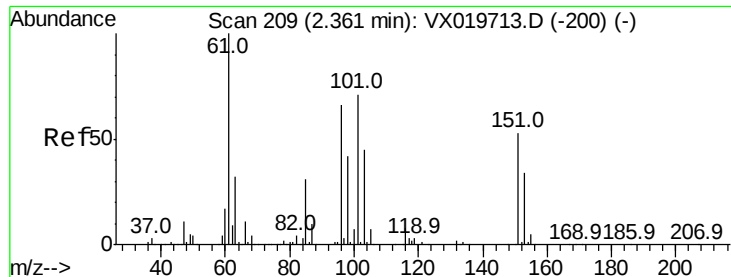


#8

Diethyl Ether
 Concen: 51.289 ug/l
 RT: 2.17 min Scan# 177
 Delta R.T. -0.00 min
 Lab File: VX019807.D
 Acq: 10 Dec 2020 03:48

Tgt Ion: 74 Resp: 92328
 Ion Ratio Lower Upper
 74 100
 45 89.9 44.5 133.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.958 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.00 min

Lab File: VX019807.D

Acq: 10 Dec 2020 03:48

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-5226-120820MS

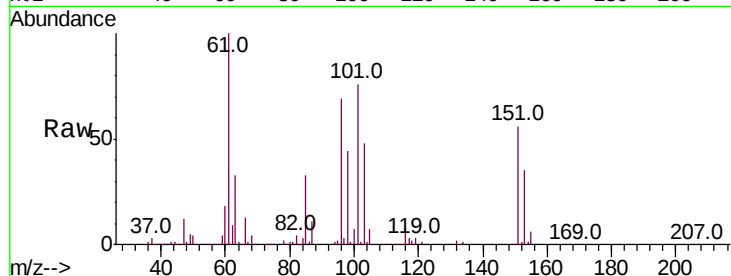
Tot Ion:101 Resp: 131381

Ion Ratio Lower Upper

101 100

85 42.8 34.9 52.3

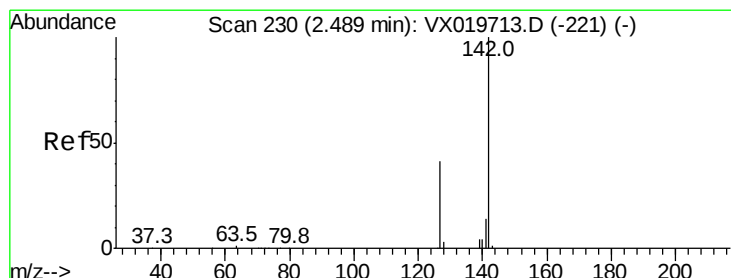
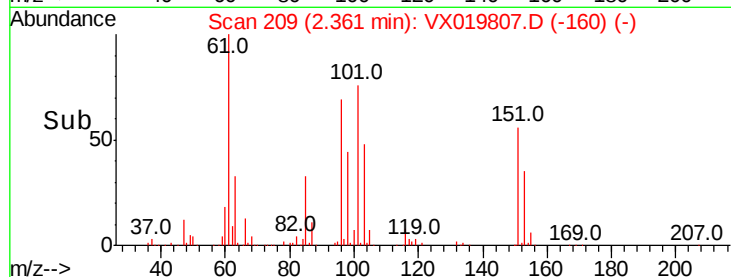
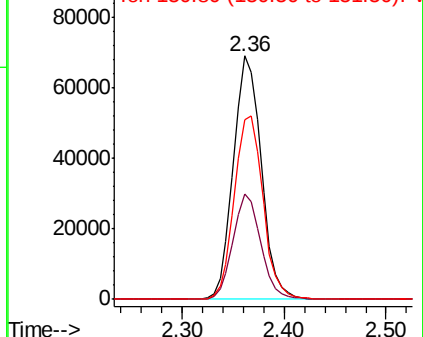
151 77.3 61.4 92.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 43.761 ug/l

RT: 2.49 min Scan# 230

Delta R.T. -0.00 min

Lab File: VX019807.D

Acq: 10 Dec 2020 03:48

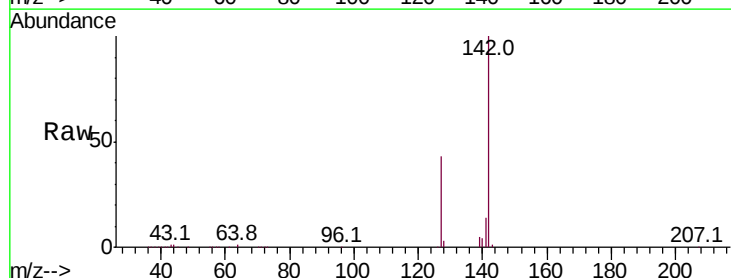
Tgt Ion:142 Resp: 157059

Ion Ratio Lower Upper

142 100

127 41.6 33.3 49.9

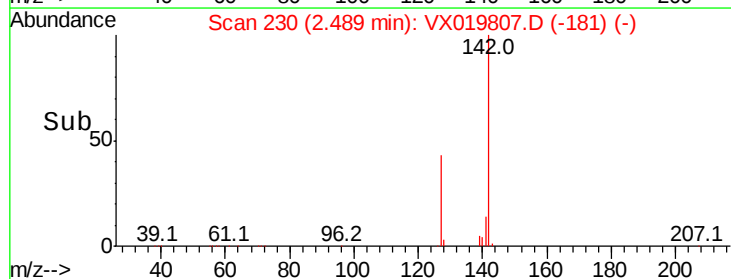
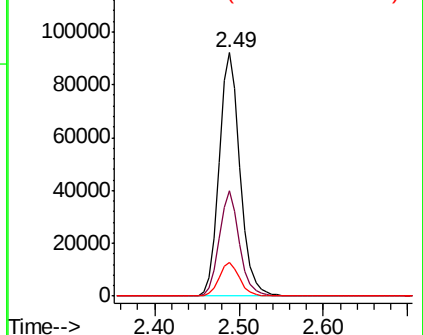
141 13.6 11.4 17.0

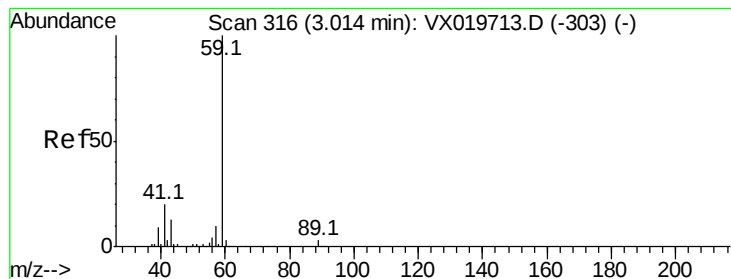


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



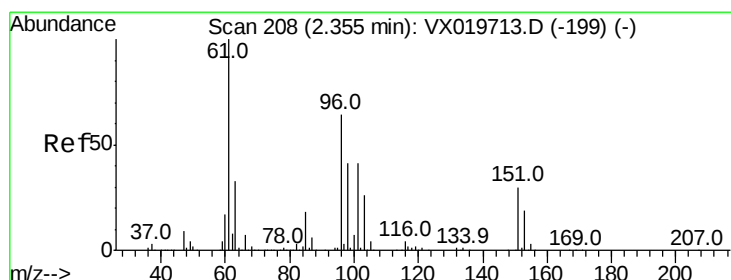
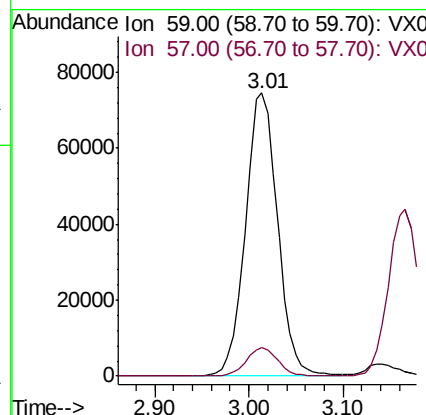
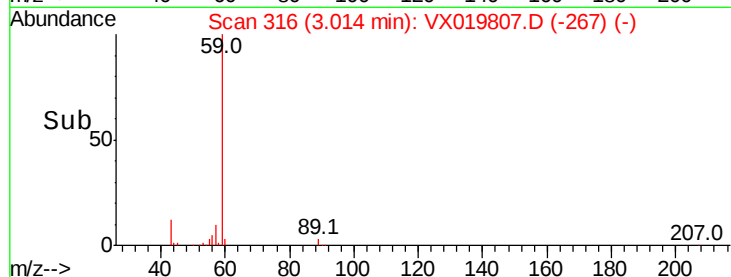
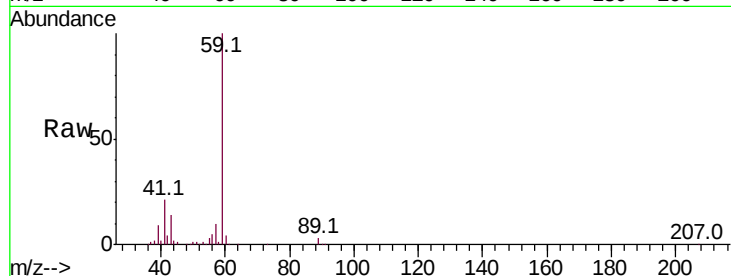


#11

Tert butyl alcohol
Concen: 243.756 ug/l
RT: 3.01 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX019807.D
Acq: 10 Dec 2020 03:48

Instrument :
MSVOA_X
ClientSampleId :
TU032-32-5226-120820MS

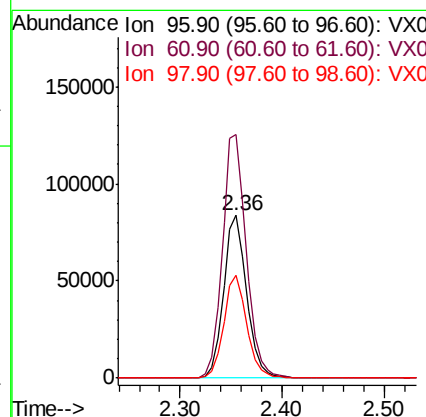
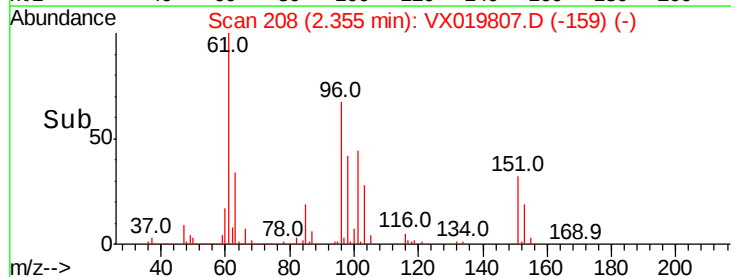
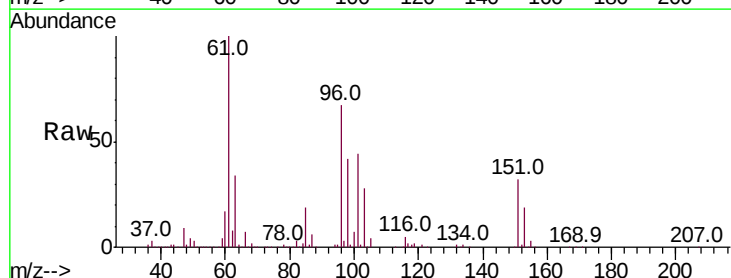
Tot Ion: 59 Resp: 177002
Ion Ratio Lower Upper
59 100
57 9.9 7.8 11.8

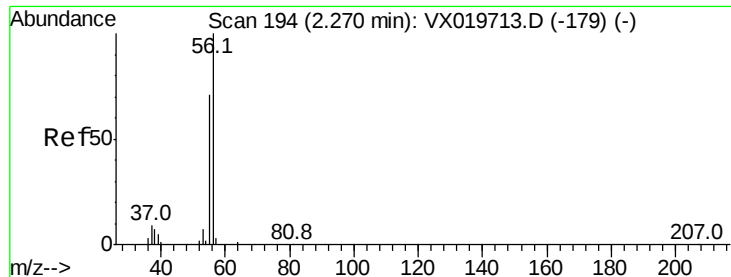


#12

1,1-Dichloroethene
Concen: 53.694 ug/l
RT: 2.36 min Scan# 208
Delta R.T. -0.00 min
Lab File: VX019807.D
Acq: 10 Dec 2020 03:48

Tgt Ion: 96 Resp: 132174
Ion Ratio Lower Upper
96 100
61 149.8 124.6 187.0
98 63.0 50.6 76.0





#13

Acrolein

Concen: 219.157 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX019807.D

Acq: 10 Dec 2020 03:48

Instrument :

MSVOA_X

ClientSampleId :

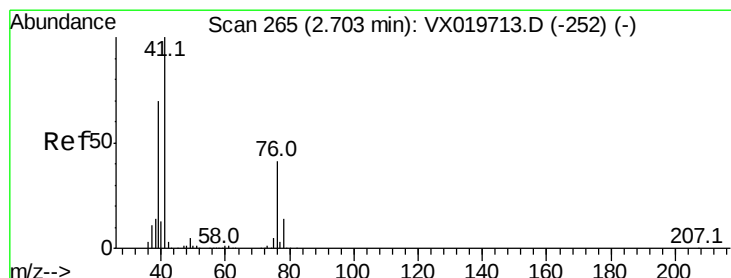
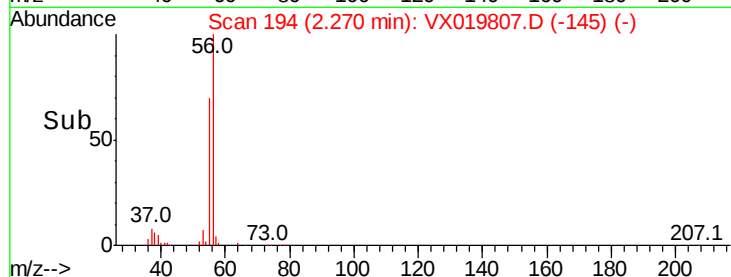
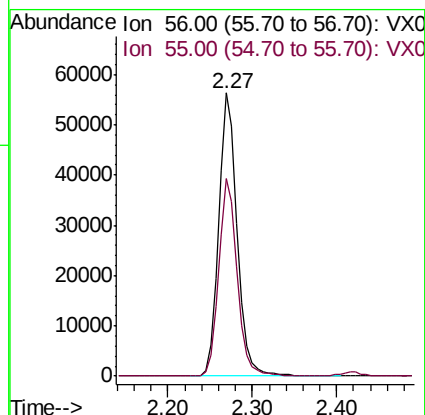
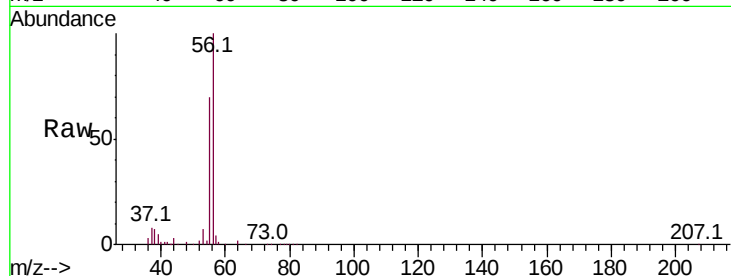
TU032-32-5226-120820MS

Tot Ion: 56 Resp: 85421

Ion Ratio Lower Upper

56 100

55 69.9 56.4 84.6



#14

Allyl chloride

Concen: 49.838 ug/l

RT: 2.70 min Scan# 265

Delta R.T. -0.00 min

Lab File: VX019807.D

Acq: 10 Dec 2020 03:48

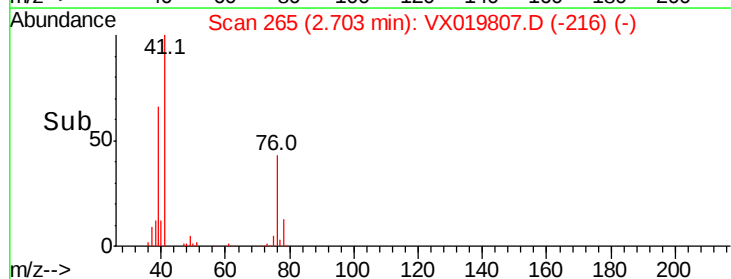
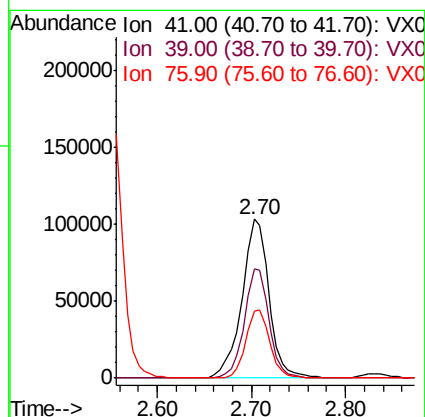
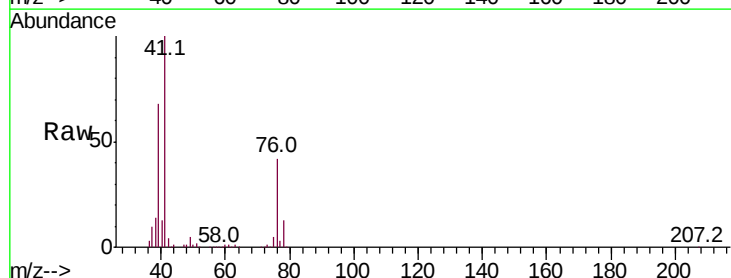
Tgt Ion: 41 Resp: 207199

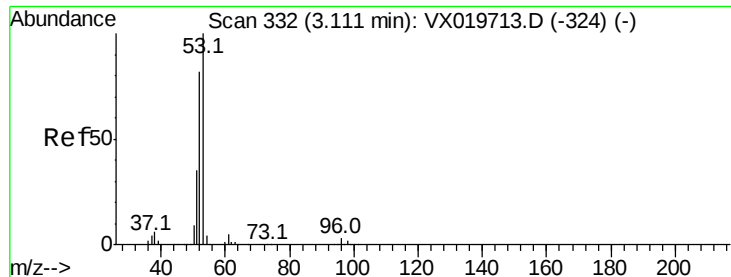
Ion Ratio Lower Upper

41 100

39 63.3 51.6 77.4

76 38.1 30.5 45.7





#15

Acrylonitrile

Concen: 274.573 ug/l

RT: 3.11 min Scan# 332

Delta R.T. -0.00 min

Lab File: VX019807.D

Acq: 10 Dec 2020 03:48

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-5226-120820MS

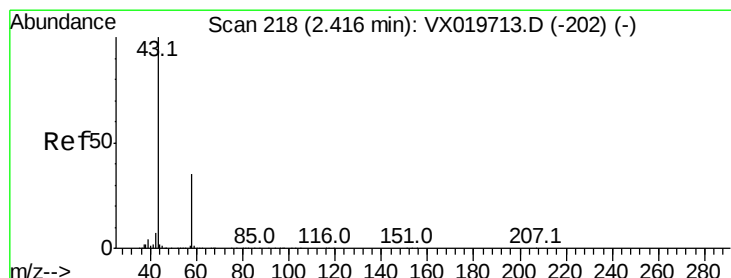
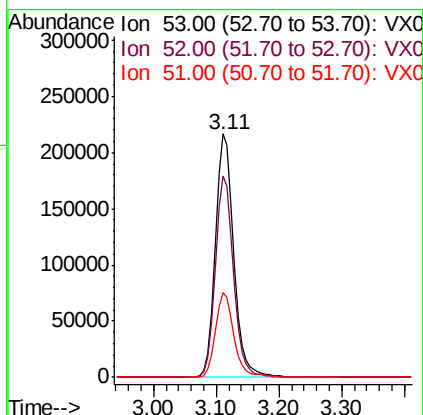
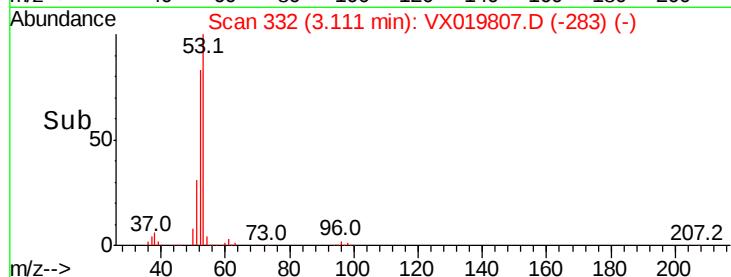
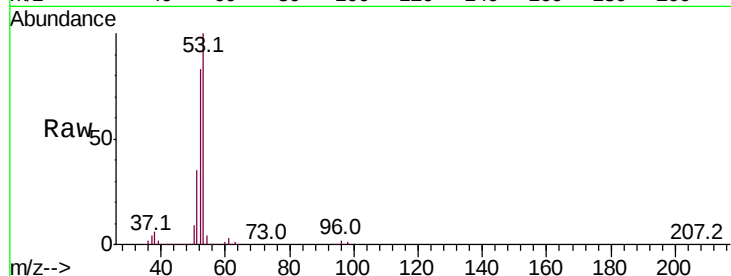
Tot Ion: 53 Resp: 438312

Ion Ratio Lower Upper

53 100

52 81.7 65.3 97.9

51 35.0 28.2 42.2



#16

Acetone

Concen: 260.683 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX019807.D

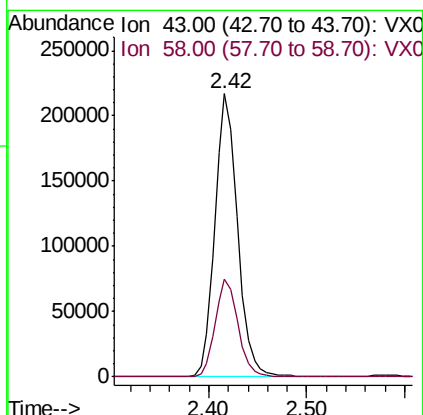
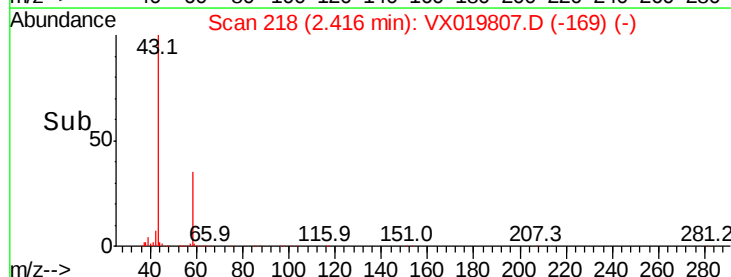
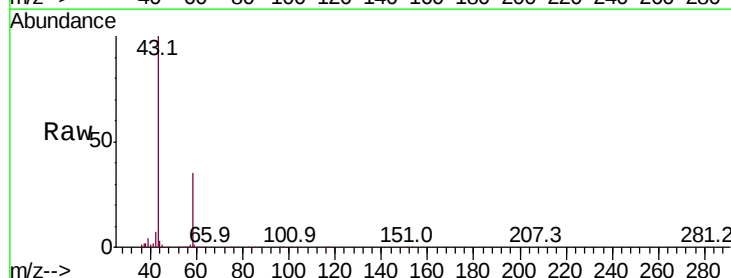
Acq: 10 Dec 2020 03:48

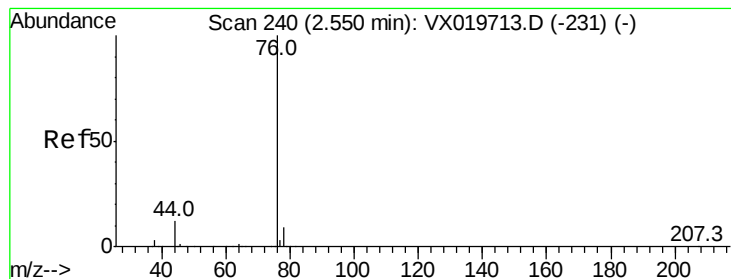
Tgt Ion: 43 Resp: 345997

Ion Ratio Lower Upper

43 100

58 34.6 27.8 41.8





#17

Carbon Disulfide

Concen: 46.816 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX019807.D

Acq: 10 Dec 2020 03:48

Instrument :

MSVOA_X

ClientSampleId :

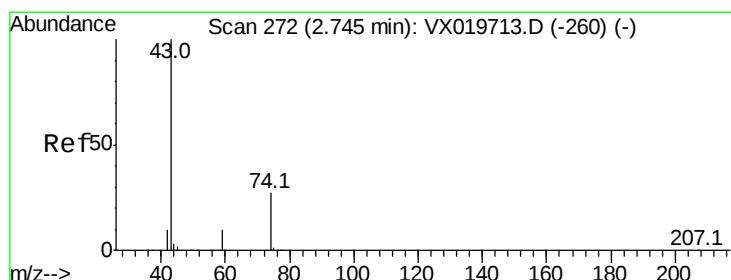
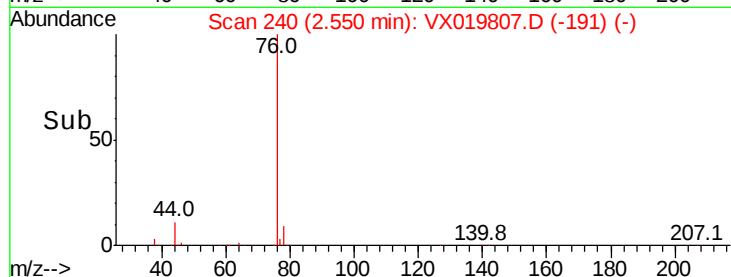
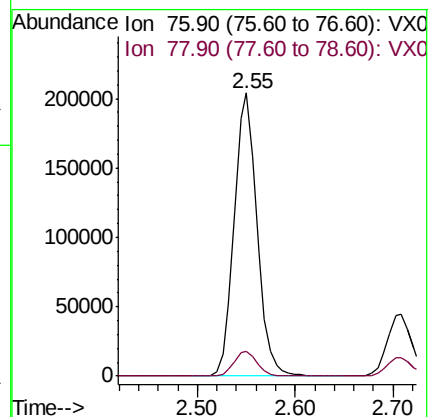
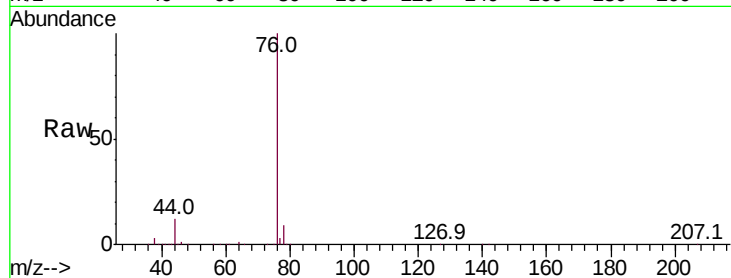
TU032-32-5226-120820MS

Tot Ion: 76 Resp: 330671

Ion Ratio Lower Upper

76 100

78 8.9 7.2 10.8



#18

Methyl Acetate

Concen: 51.871 ug/l

RT: 2.75 min Scan# 272

Delta R.T. -0.00 min

Lab File: VX019807.D

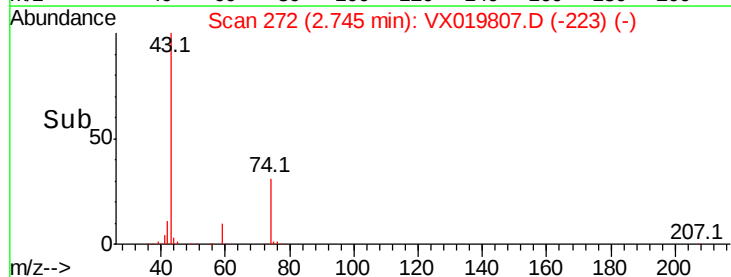
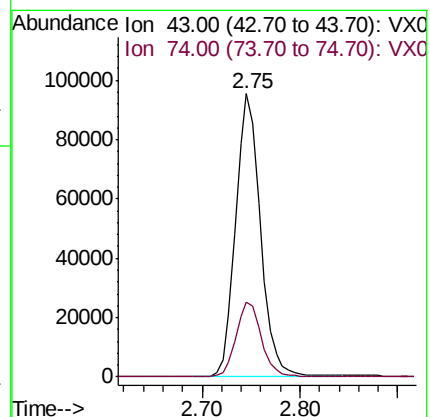
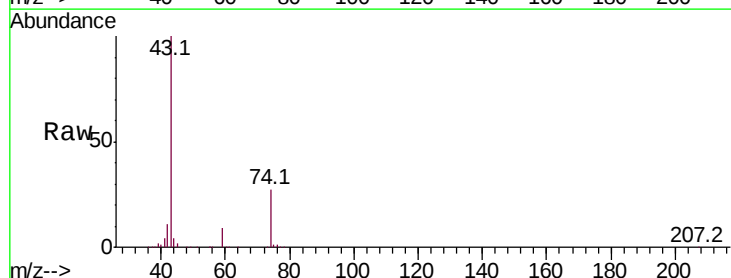
Acq: 10 Dec 2020 03:48

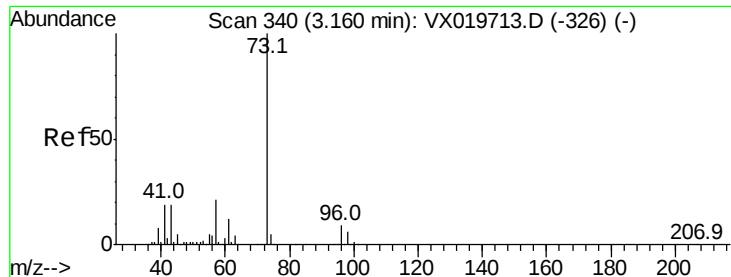
Tgt Ion: 43 Resp: 168475

Ion Ratio Lower Upper

43 100

74 27.5 21.9 32.9



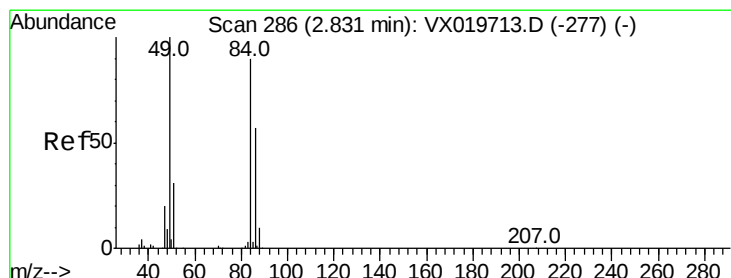
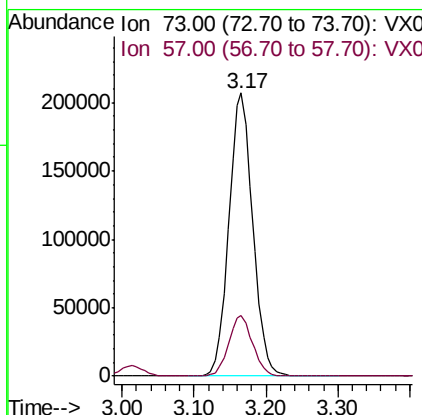
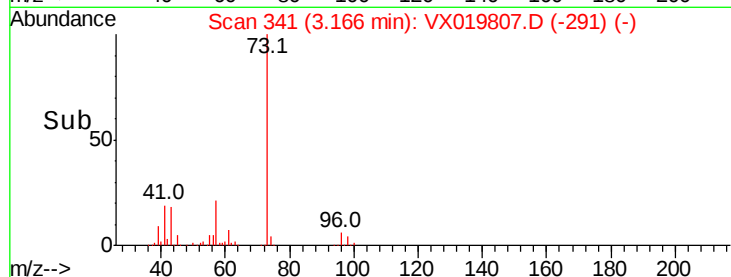
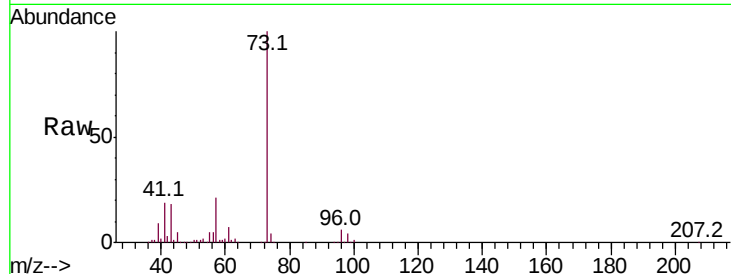


#19

Methyl tert-butyl Ether
 Concen: 53.203 ug/l
 RT: 3.17 min Scan# 341
 Delta R.T. 0.01 min
 Lab File: VX019807.D
 Acq: 10 Dec 2020 03:48

Instrument :
 MSVOA_X
 ClientSampleId :
 TU032-32-5226-120820MS

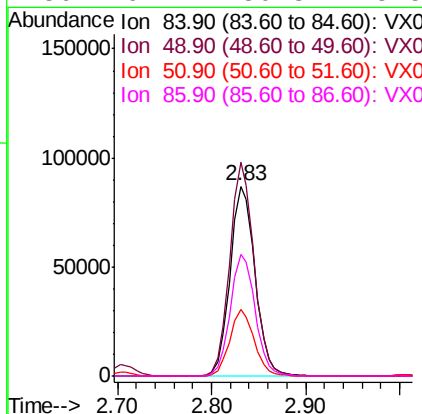
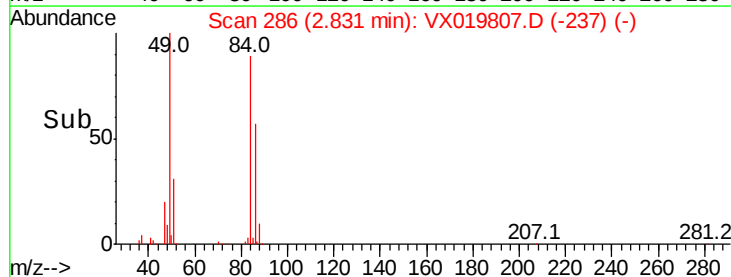
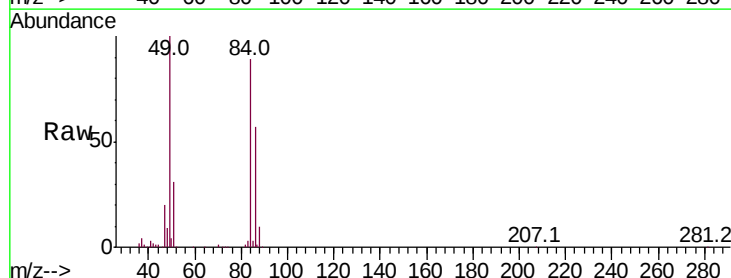
Tot Ion: 73 Resp: 476957
 Ion Ratio Lower Upper
 73 100
 57 21.2 17.1 25.7

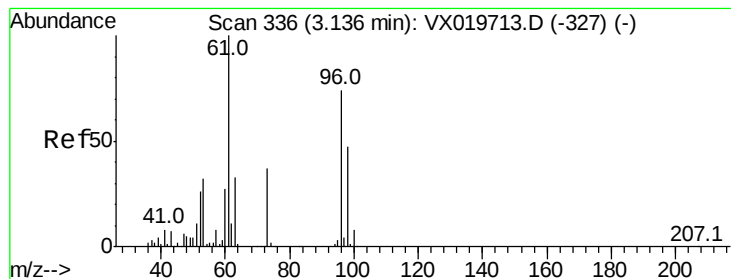


#20

Methylene Chloride
 Concen: 52.862 ug/l
 RT: 2.83 min Scan# 286
 Delta R.T. 0.00 min
 Lab File: VX019807.D
 Acq: 10 Dec 2020 03:48

Tgt Ion: 84 Resp: 159931
 Ion Ratio Lower Upper
 84 100
 49 112.7 88.6 132.8
 51 35.1 27.0 40.6
 86 64.1 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 51.709 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.01 min

Lab File: VX019807.D

Acq: 10 Dec 2020 03:48

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-5226-120820MS

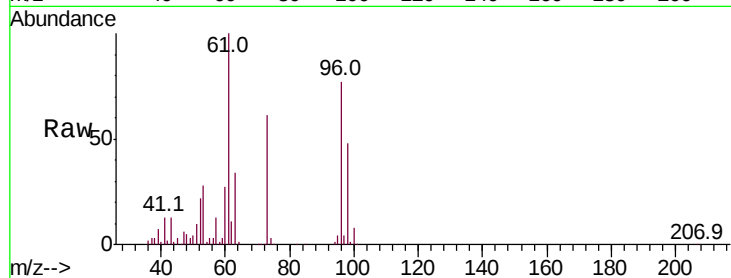
Tot Ion: 96 Resp: 148399

Ion Ratio Lower Upper

96 100

61 130.6 107.7 161.5

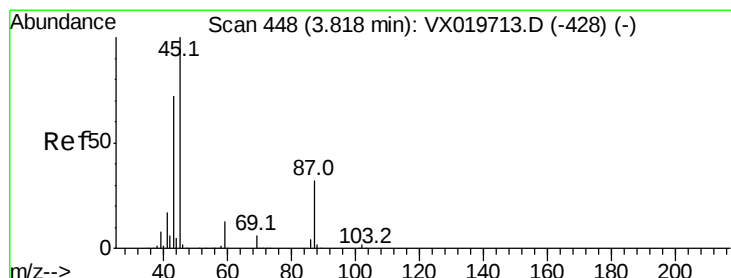
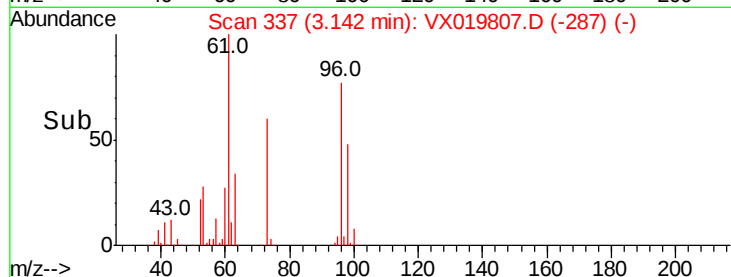
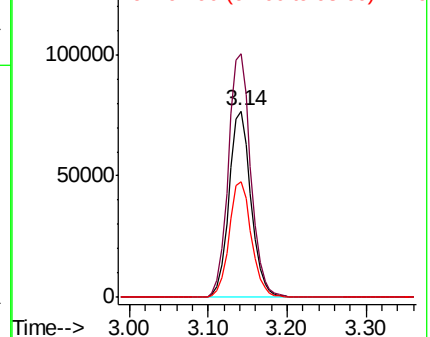
98 62.0 50.4 75.6



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 53.623 ug/l

RT: 3.82 min Scan# 449

Delta R.T. 0.01 min

Lab File: VX019807.D

Acq: 10 Dec 2020 03:48

Tgt Ion: 45 Resp: 450746

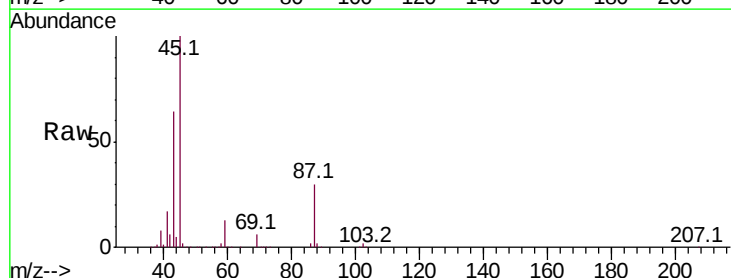
Ion Ratio Lower Upper

45 100

43 63.6 58.0 87.0

87 30.4 25.4 38.0

59 13.2 10.2 15.2

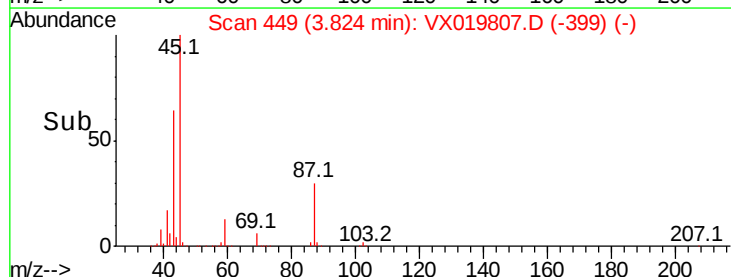
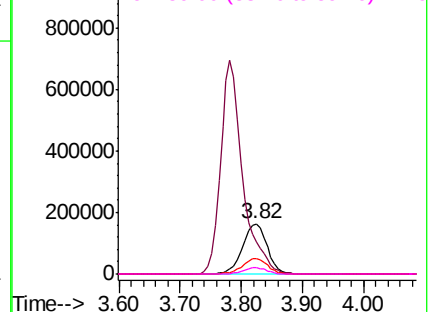


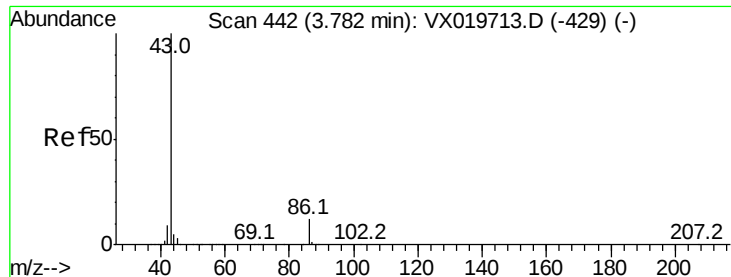
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 244.448 ug/l

RT: 3.78 min Scan# 442

Delta R.T. -0.00 min

Lab File: VX019807.D

Acq: 10 Dec 2020 03:48

Instrument :

MSVOA_X

ClientSampleId :

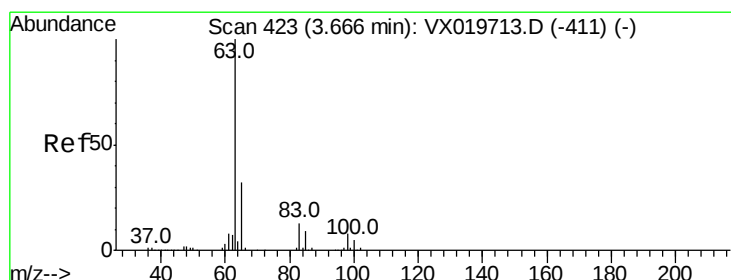
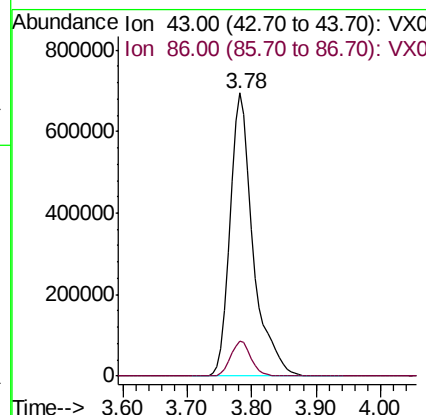
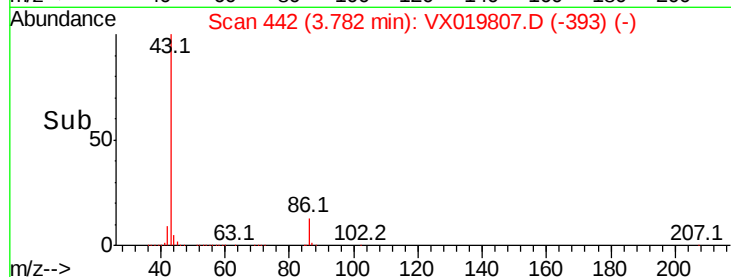
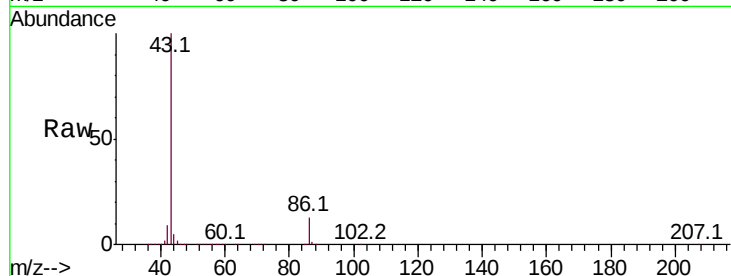
TU032-32-5226-120820MS

Tot Ion: 43 Resp: 1750579

Ion Ratio Lower Upper

43 100

86 12.6 9.9 14.9



#24

1,1-Dichloroethane

Concen: 52.879 ug/l

RT: 3.67 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX019807.D

Acq: 10 Dec 2020 03:48

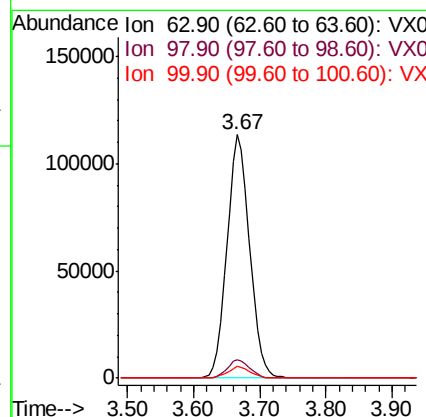
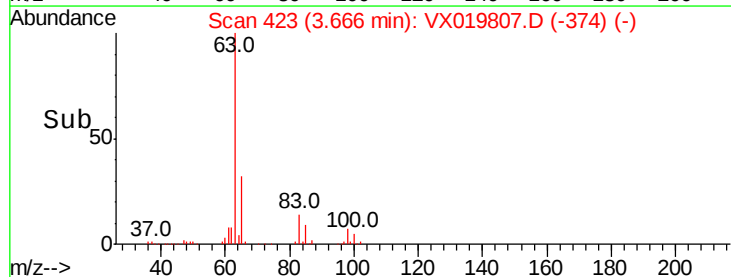
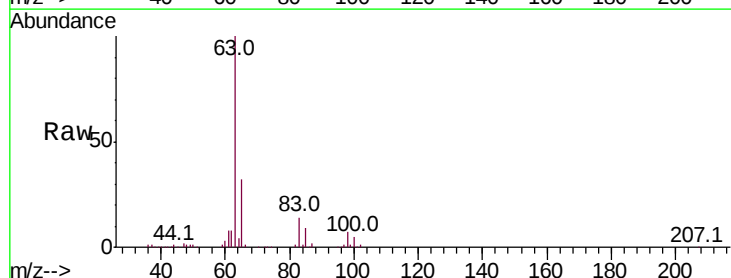
Tgt Ion: 63 Resp: 268038

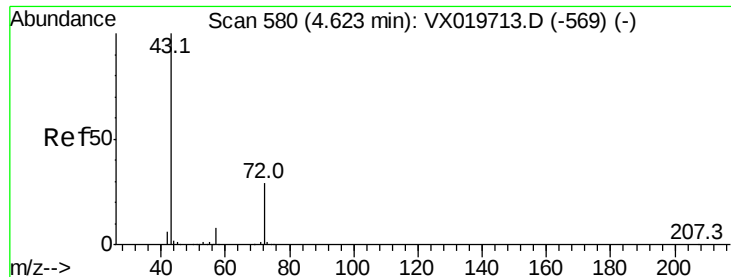
Ion Ratio Lower Upper

63 100

98 7.5 3.8 11.2

100 4.7 2.5 7.5

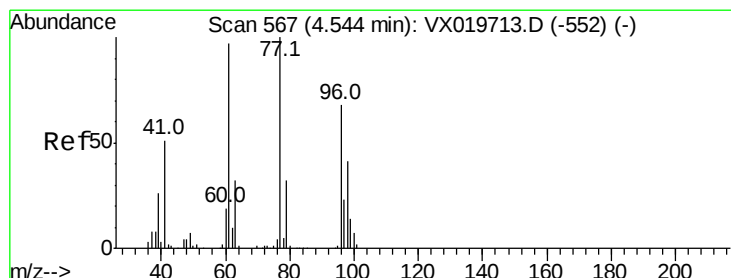
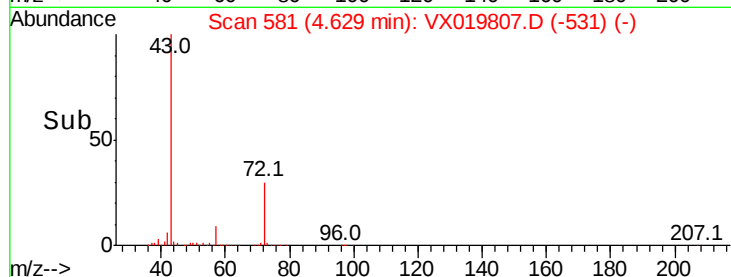
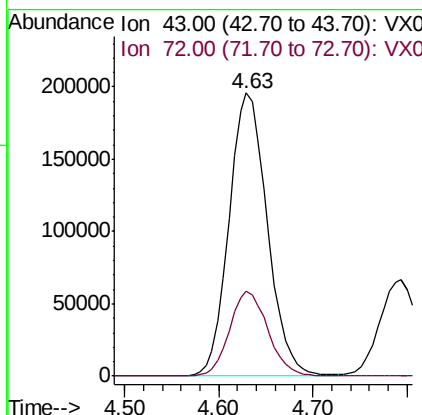
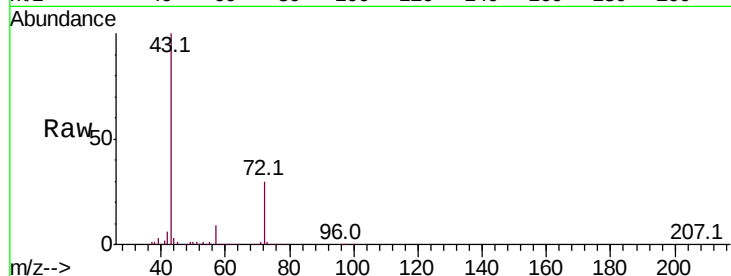




#25
2-Butanone
Concen: 269.919 ug/l
RT: 4.63 min Scan# 581
Delta R.T. 0.01 min
Lab File: VX019807.D
Acq: 10 Dec 2020 03:48

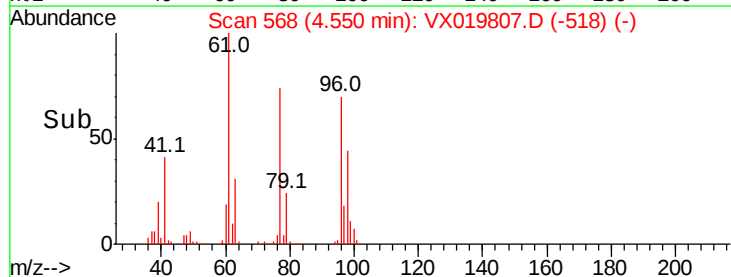
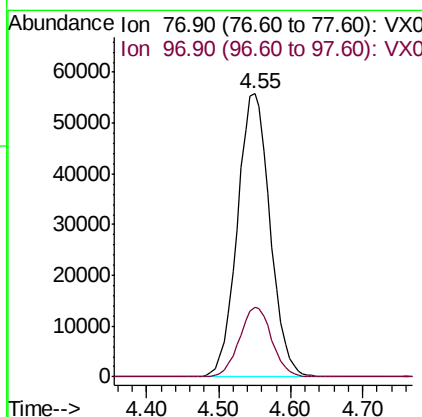
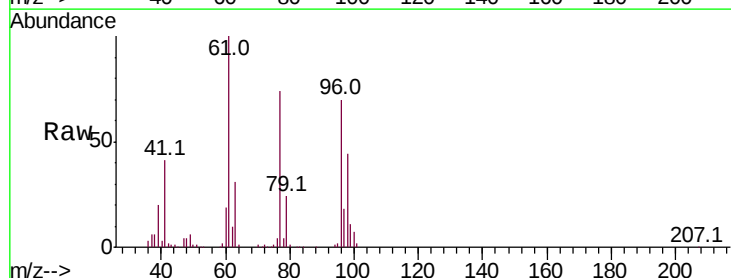
Instrument :
MSVOA_X
ClientSampleId :
TU032-32-5226-120820MS

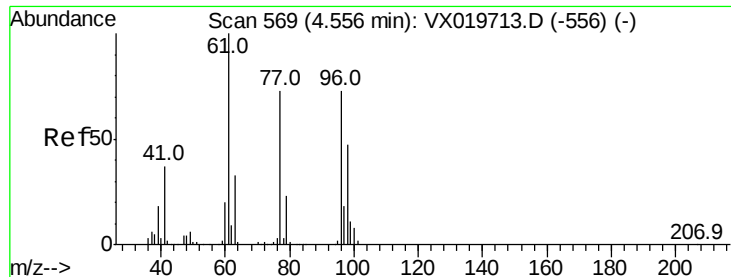
Tot Ion: 43 Resp: 550496
Ion Ratio Lower Upper
43 100
72 29.9 23.7 35.5



#26
2,2-Dichloropropane
Concen: 40.220 ug/l
RT: 4.55 min Scan# 568
Delta R.T. 0.01 min
Lab File: VX019807.D
Acq: 10 Dec 2020 03:48

Tgt Ion: 77 Resp: 175567
Ion Ratio Lower Upper
77 100
97 24.3 11.7 35.1





#27

cis-1,2-Dichloroethene

Concen: 51.275 ug/l

RT: 4.56 min Scan# 570

Delta R.T. 0.01 min

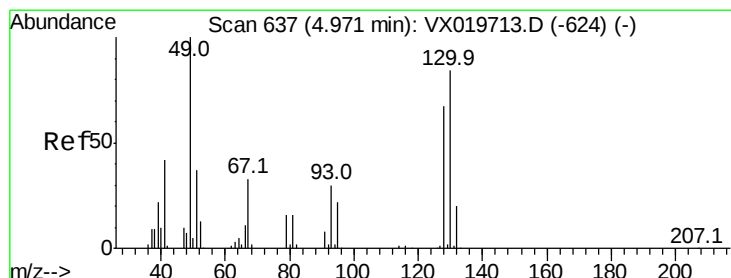
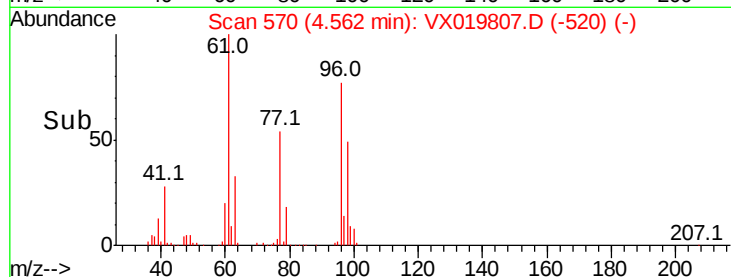
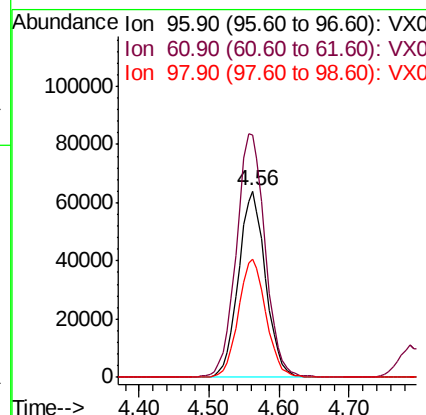
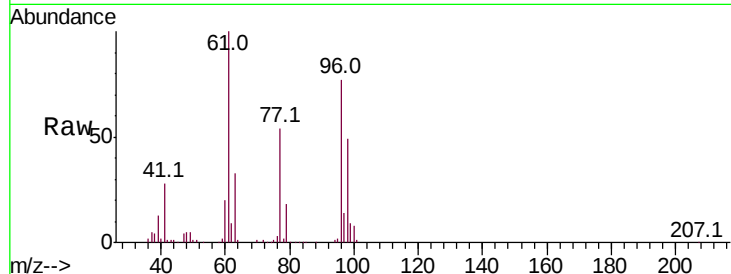
Lab File: VX019807.D

Acq: 10 Dec 2020 03:48

Instrument :
MSVOA_X
ClientSampleId :
TU032-32-5226-120820MS

Tot Ion: 96 Resp: 172208

Ion	Ratio	Lower	Upper
96	100		
61	139.2	0.0	285.6
98	64.7	0.0	129.6



#28

Bromochloromethane

Concen: 50.188 ug/l

RT: 4.98 min Scan# 638

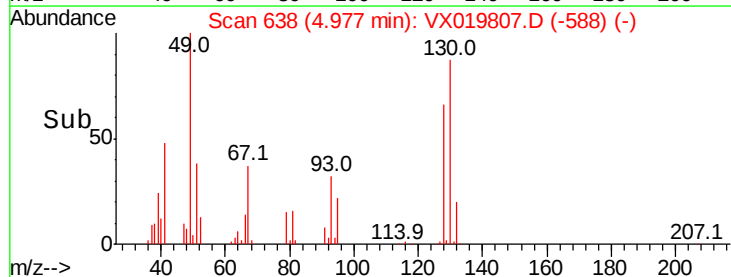
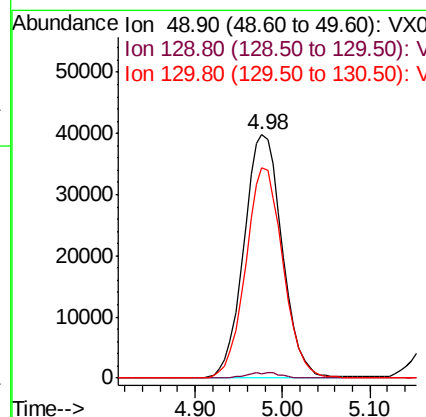
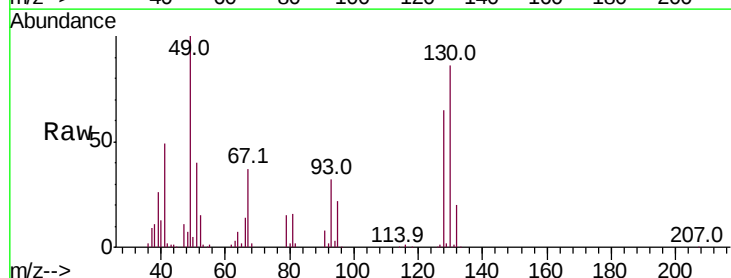
Delta R.T. 0.01 min

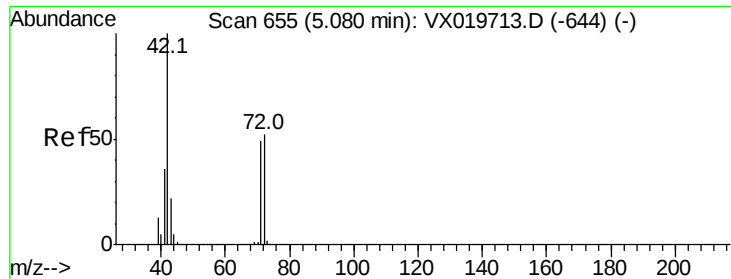
Lab File: VX019807.D

Acq: 10 Dec 2020 03:48

Tgt Ion: 49 Resp: 121275

Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.0
130	84.1	68.2	102.2

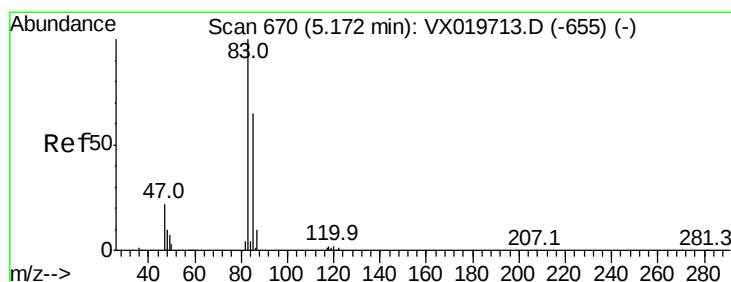
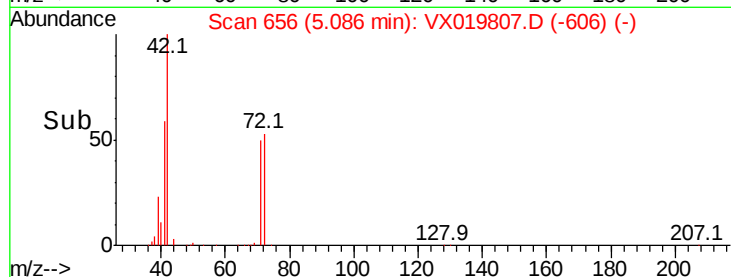
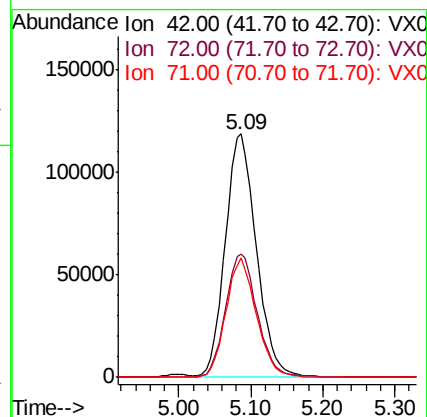
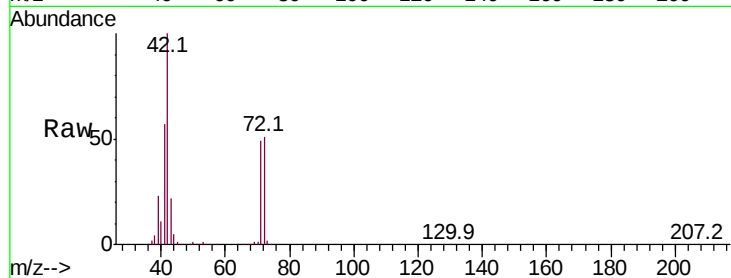




#29
Tetrahydrofuran
Concen: 270.908 ug/l
RT: 5.09 min Scan# 656
Delta R.T. 0.01 min
Lab File: VX019807.D
Acq: 10 Dec 2020 03:48

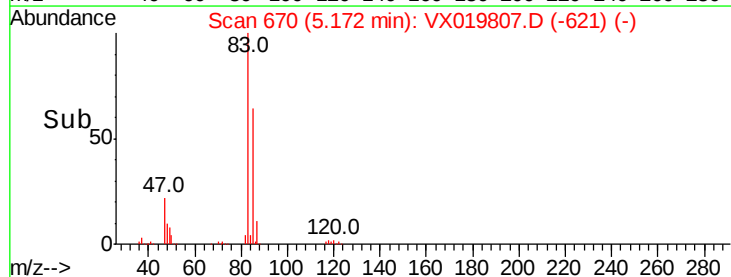
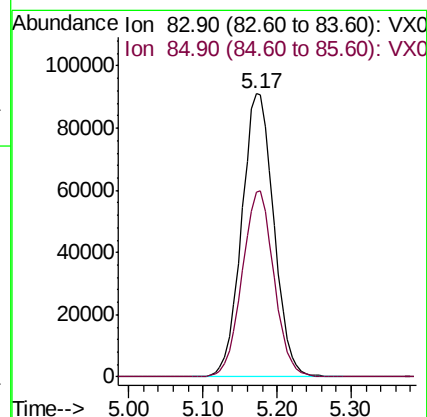
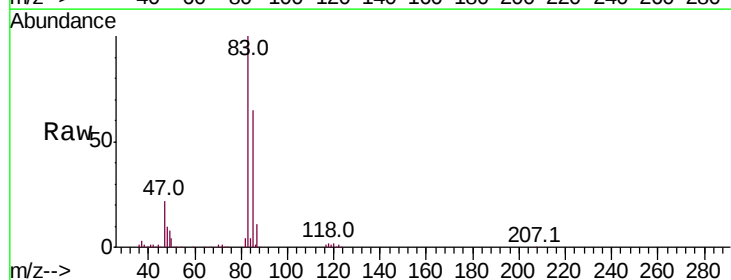
Instrument :
MSVOA_X
ClientSampleId :
TU032-32-5226-120820MS

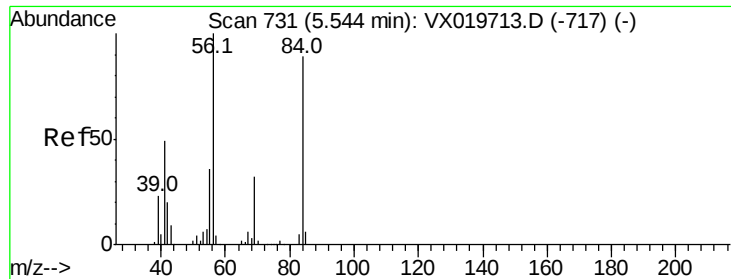
Tot Ion: 42 Resp: 355978
Ion Ratio Lower Upper
42 100
72 52.0 41.7 62.5
71 48.0 38.4 57.6



#30
Chloroform
Concen: 52.854 ug/l
RT: 5.17 min Scan# 670
Delta R.T. -0.00 min
Lab File: VX019807.D
Acq: 10 Dec 2020 03:48

Tgt Ion: 83 Resp: 275475
Ion Ratio Lower Upper
83 100
85 65.4 52.0 78.0

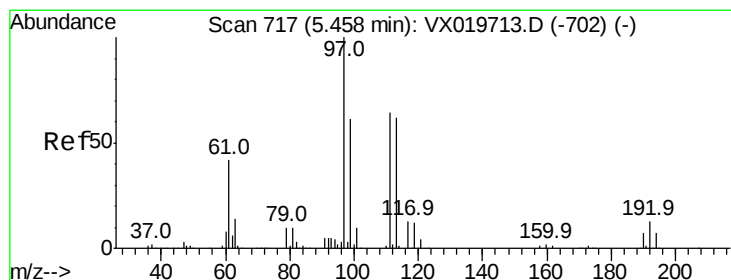
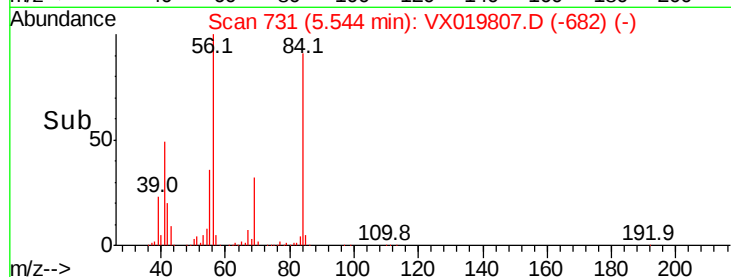
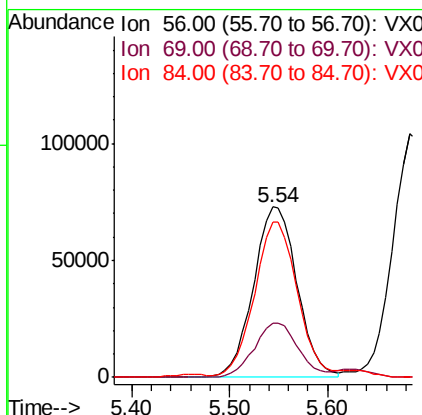
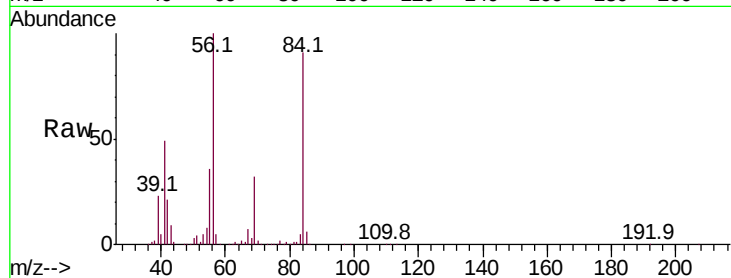




#31
Cyclohexane
Concen: 51.295 ug/l
RT: 5.54 min Scan# 731
Delta R.T. -0.00 min
Lab File: VX019807.D
Acq: 10 Dec 2020 03:48

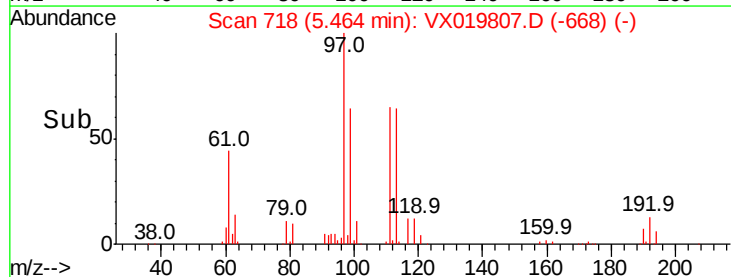
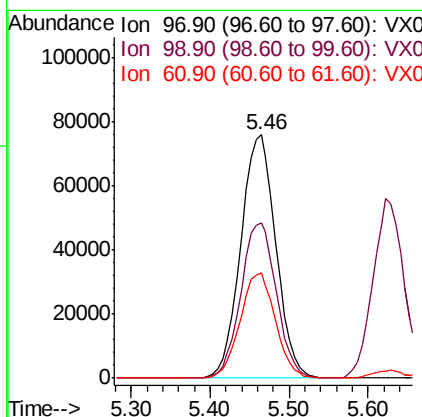
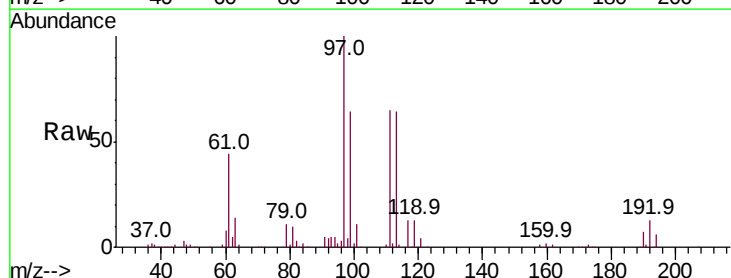
Instrument :
MSVOA_X
ClientSampleId :
TU032-32-5226-120820MS

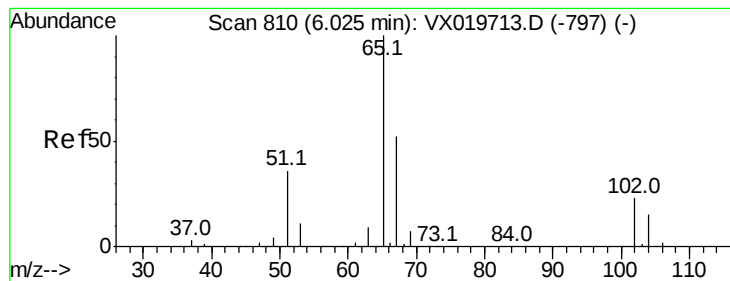
Tot Ion: 56 Resp: 225311
Ion Ratio Lower Upper
56 100
69 31.7 25.3 37.9
84 89.7 71.4 107.0



#32
1,1,1-Trichloroethane
Concen: 52.301 ug/l
RT: 5.46 min Scan# 718
Delta R.T. 0.01 min
Lab File: VX019807.D
Acq: 10 Dec 2020 03:48

Tgt Ion: 97 Resp: 234754
Ion Ratio Lower Upper
97 100
99 64.7 51.5 77.3
61 43.6 34.2 51.4





#33

1,2-Dichloroethane-d4

Concen: 48.106 ug/l

RT: 6.03 min Scan# 810

Delta R.T. -0.00 min

Lab File: VX019807.D

Acq: 10 Dec 2020 03:48

Instrument :

MSVOA_X

ClientSampleId :

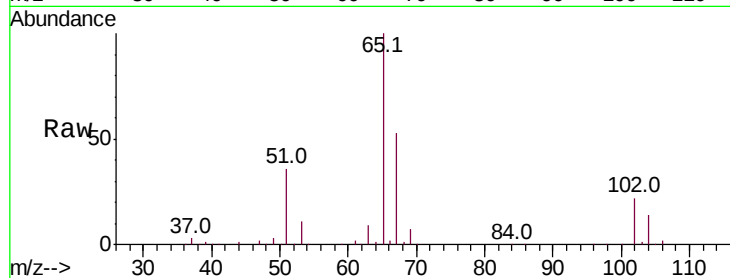
TU032-32-5226-120820MS

Tot Ion: 65 Resp: 169871

Ion Ratio Lower Upper

65 100

67 53.5 0.0 105.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.03

60000

40000

20000

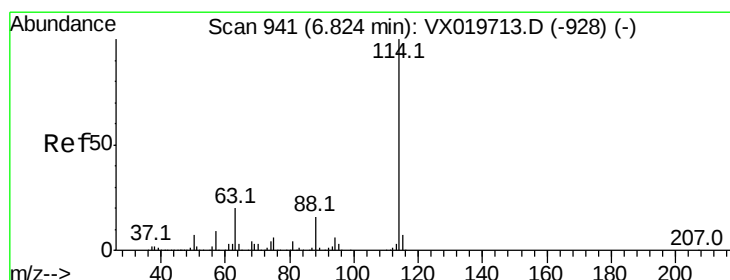
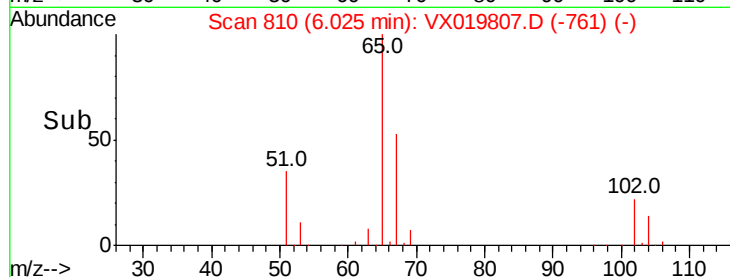
0

Time-->

5.90

6.00

6.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.01 min

Lab File: VX019807.D

Acq: 10 Dec 2020 03:48

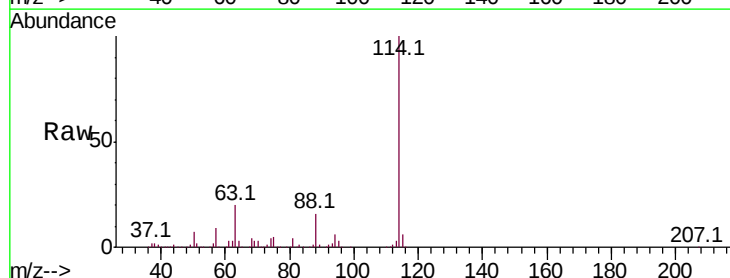
Tgt Ion:114 Resp: 443075

Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.8

88 16.4 0.0 32.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

250000

200000

150000

100000

50000

0

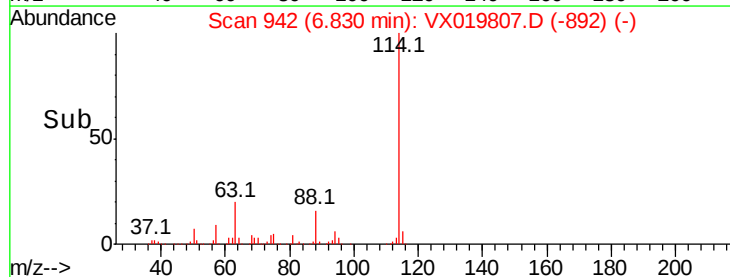
Time-->

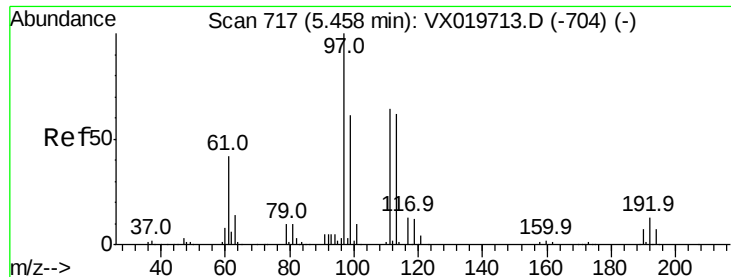
6.70

6.80

6.90

7.00

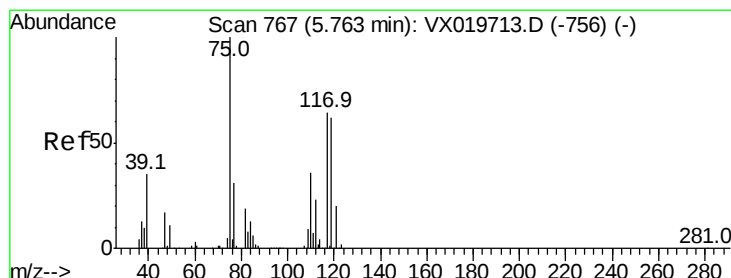
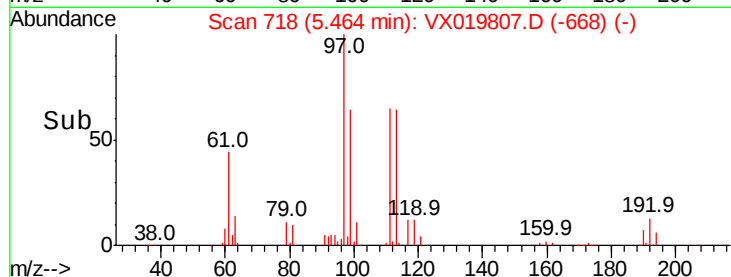
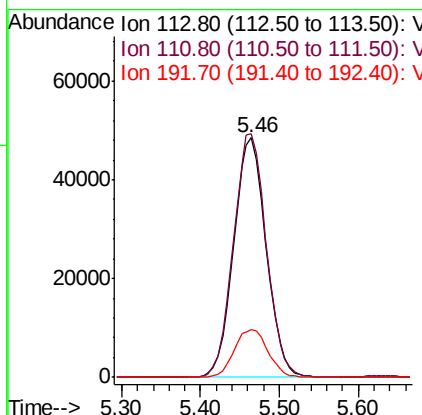
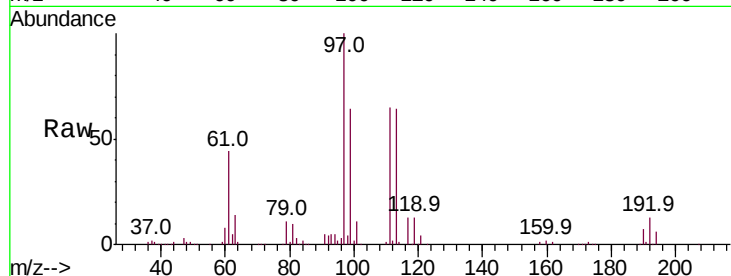




#35
 Dibromofluoromethane
 Concen: 48.496 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. 0.01 min
 Lab File: VX019807.D
 Acq: 10 Dec 2020 03:48

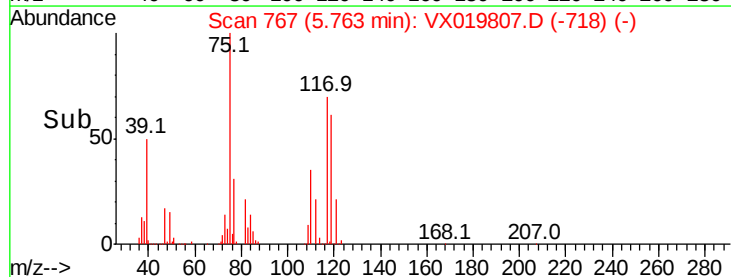
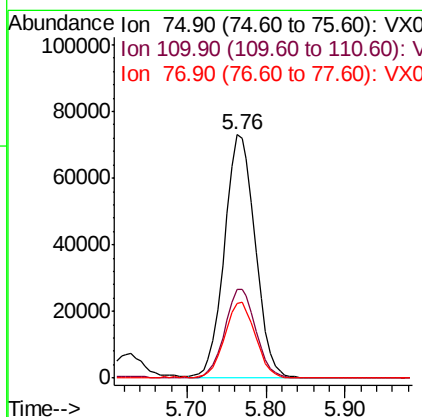
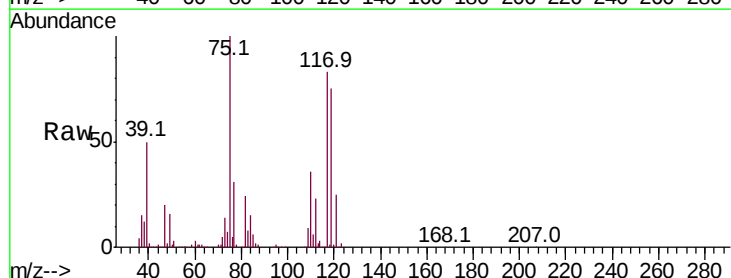
Instrument :
 MSVOA_X
 ClientSampleId :
 TU032-32-5226-120820MS

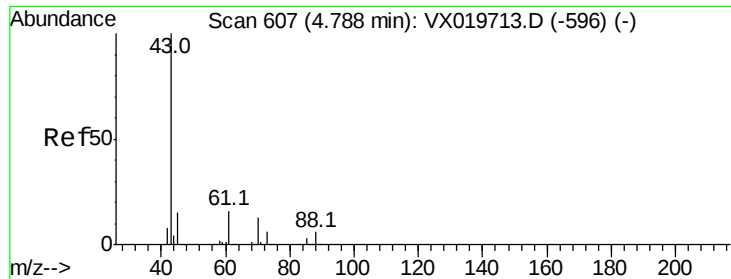
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.9	122.9
192	20.9	16.7	25.1



#36
 1,1-Dichloropropene
 Concen: 49.690 ug/l
 RT: 5.76 min Scan# 767
 Delta R.T. -0.00 min
 Lab File: VX019807.D
 Acq: 10 Dec 2020 03:48

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.5	18.1	54.4
77	31.1	25.3	37.9

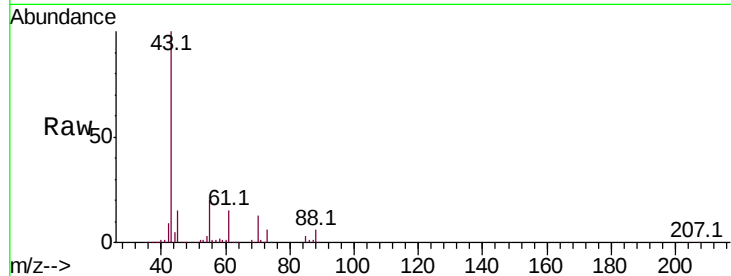




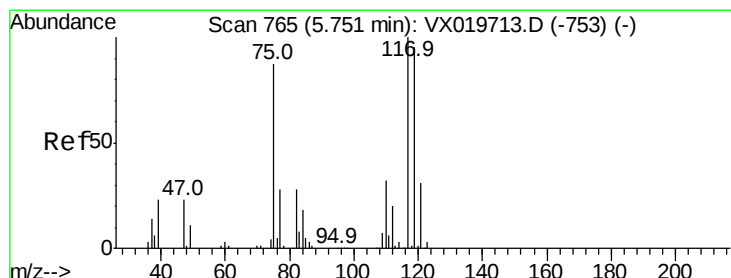
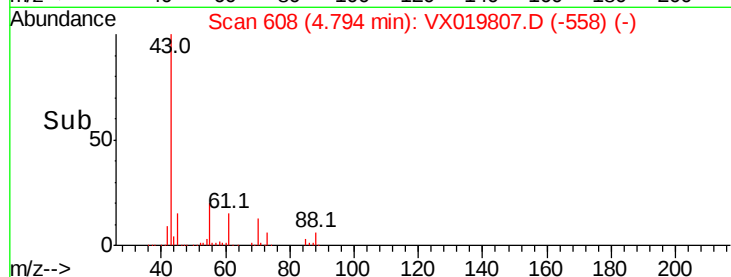
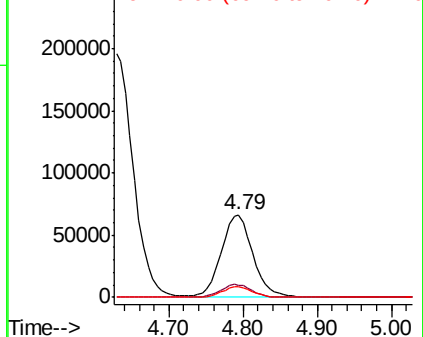
#37
Ethyl Acetate
Concen: 47.892 ug/l
RT: 4.79 min Scan# 608
Delta R.T. 0.01 min
Lab File: VX019807.D
Acq: 10 Dec 2020 03:48

Instrument :
MSVOA_X
ClientSampleID :
TU032-32-5226-120820MS

Tot Ion: 43 Resp: 193603
Ion Ratio Lower Upper
43 100
61 15.8 12.8 19.2
70 13.1 10.5 15.7

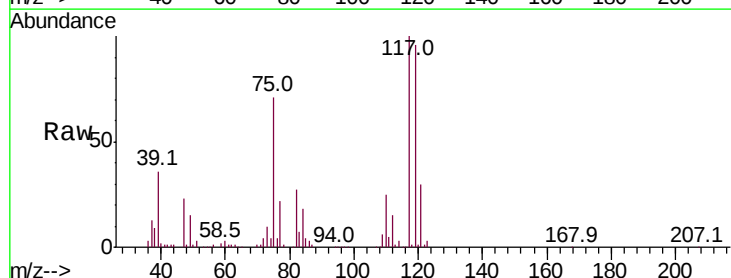


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

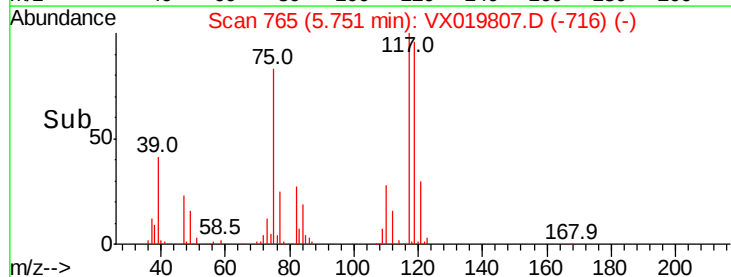
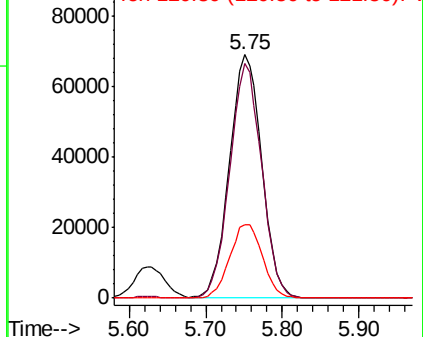


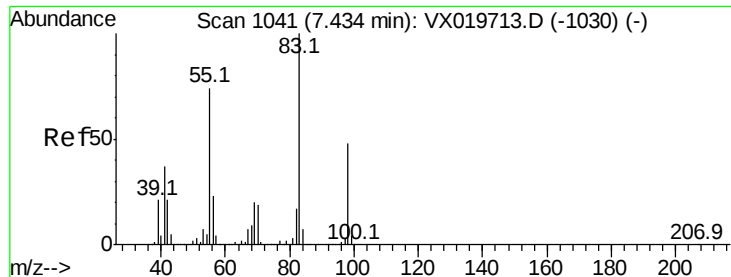
#38
Carbon Tetrachloride
Concen: 51.418 ug/l
RT: 5.75 min Scan# 765
Delta R.T. -0.00 min
Lab File: VX019807.D
Acq: 10 Dec 2020 03:48

Tgt Ion: 117 Resp: 201596
Ion Ratio Lower Upper
117 100
119 96.4 76.2 114.2
121 30.1 24.8 37.2



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

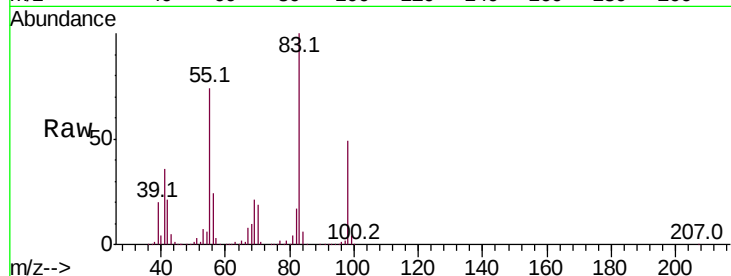




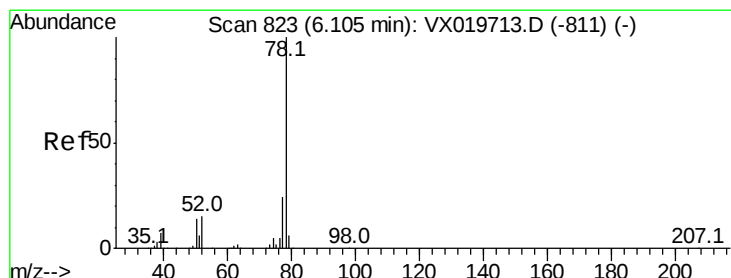
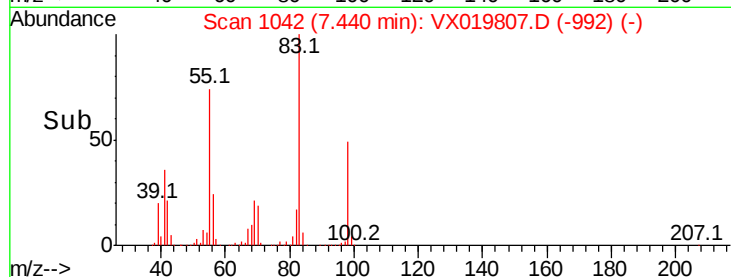
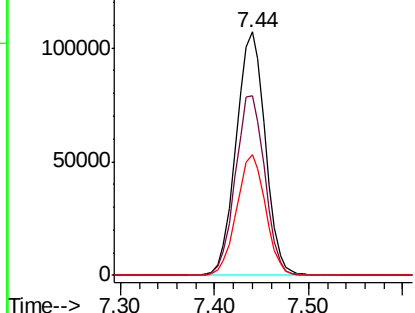
#39
Methvlcvclohexane
Concen: 49.024 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. 0.01 min
Lab File: VX019807.D
Acq: 10 Dec 2020 03:48

Instrument :
MSVOA_X
ClientSampleId :
TU032-32-5226-120820MS

Tot Ion: 83 Resp: 230609
Ion Ratio Lower Upper
83 100
55 74.0 58.9 88.3
98 49.5 38.1 57.1

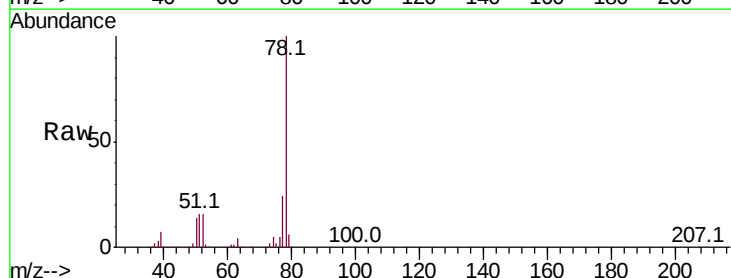


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

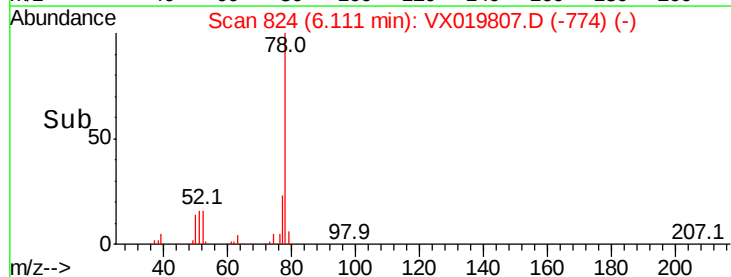
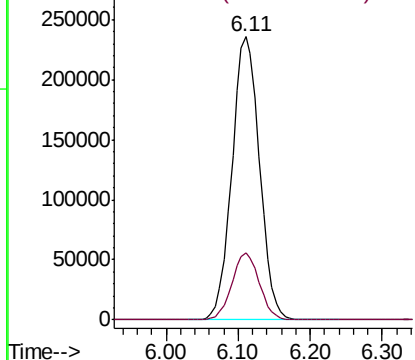


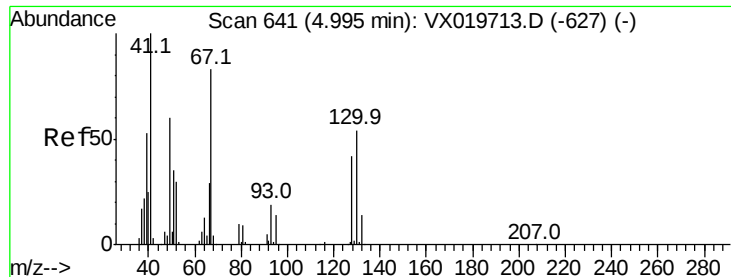
#40
Benzene
Concen: 51.109 ug/l
RT: 6.11 min Scan# 824
Delta R.T. 0.01 min
Lab File: VX019807.D
Acq: 10 Dec 2020 03:48

Tgt Ion: 78 Resp: 625086
Ion Ratio Lower Upper
78 100
77 23.7 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0

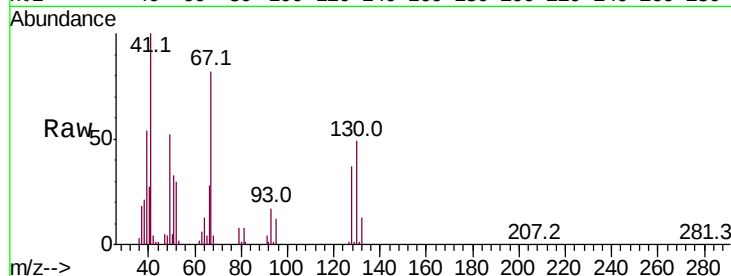




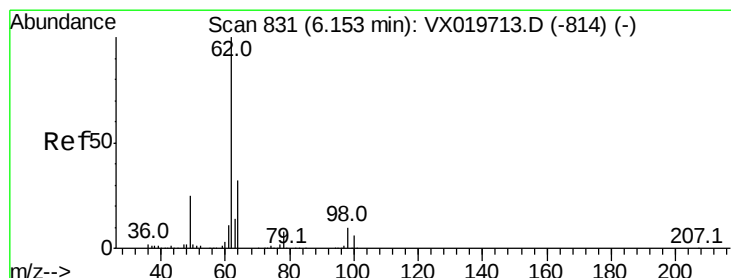
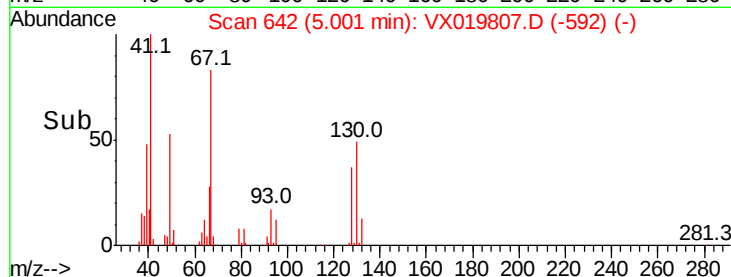
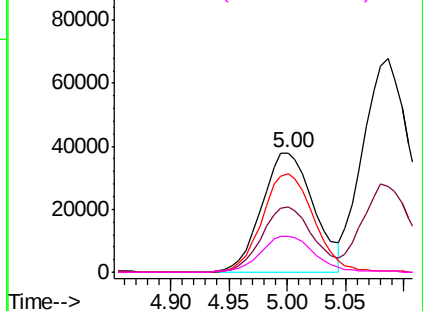
#41
Methacrylonitrile
Concen: 53.074 ug/l
RT: 5.00 min Scan# 642
Delta R.T. 0.01 min
Lab File: VX019807.D
Acq: 10 Dec 2020 03:48

Instrument :
MSVOA_X
ClientSampled :
TU032-32-5226-120820MS

Tot Ion: 41 Resp: 117797
Ion Ratio Lower Upper
41 100
39 54.4 42.5 63.7
67 82.0 65.0 97.6
52 30.5 25.3 37.9

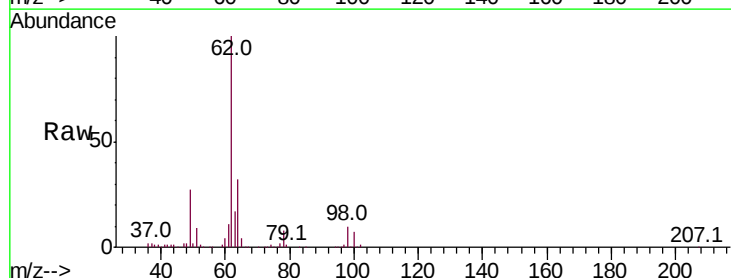


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

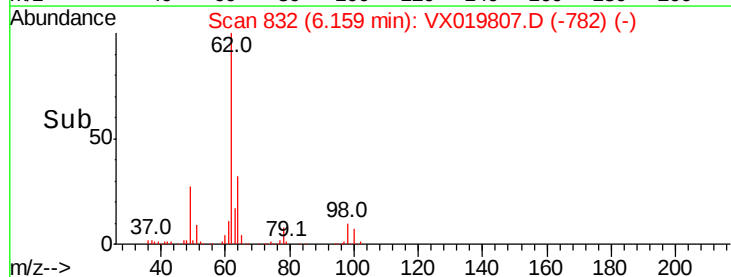
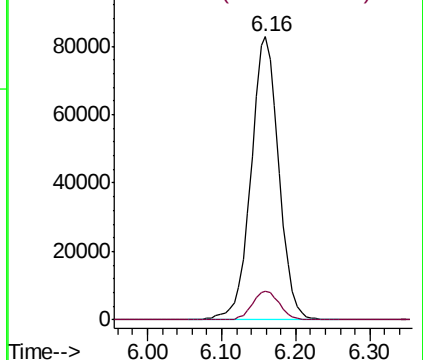


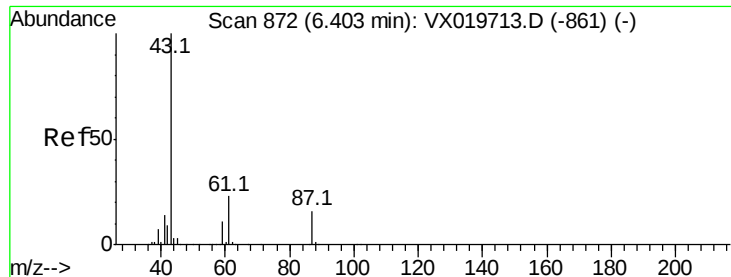
#42
1,2-Dichloroethane
Concen: 51.797 ug/l
RT: 6.16 min Scan# 832
Delta R.T. 0.01 min
Lab File: VX019807.D
Acq: 10 Dec 2020 03:48

Tgt Ion: 62 Resp: 216445
Ion Ratio Lower Upper
62 100
98 10.1 0.0 20.2



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 48.686 ug/l

RT: 6.41 min Scan# 873

Delta R.T. 0.01 min

Lab File: VX019807.D

Acq: 10 Dec 2020 03:48

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-5226-120820MS

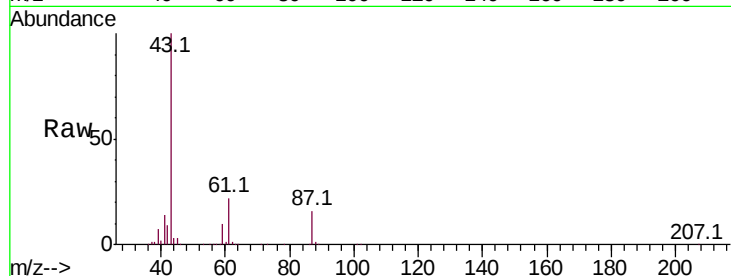
Tot Ion: 43 Resp: 319974

Ion Ratio Lower Upper

43 100

61 22.7 18.2 27.4

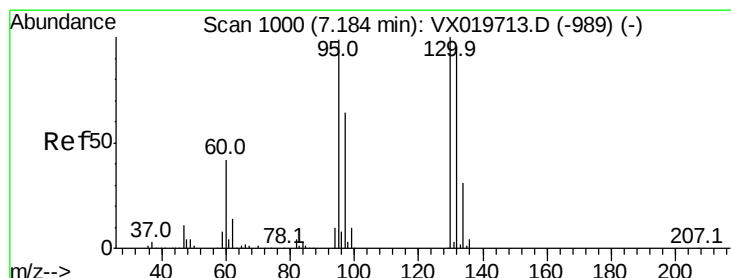
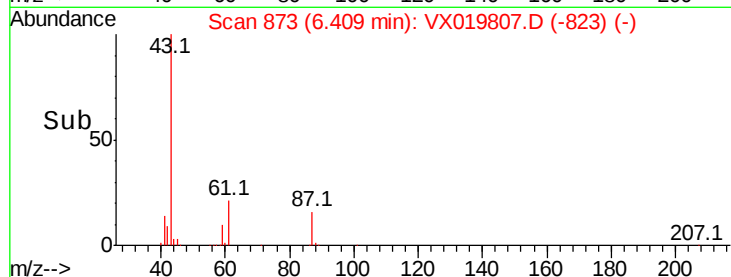
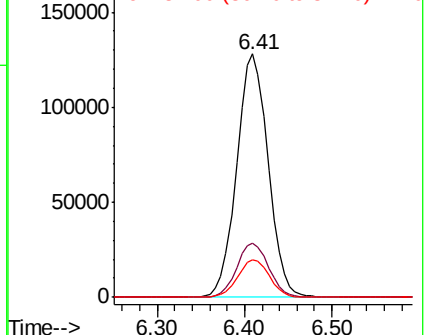
87 15.5 12.5 18.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 49.682 ug/l

RT: 7.18 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VX019807.D

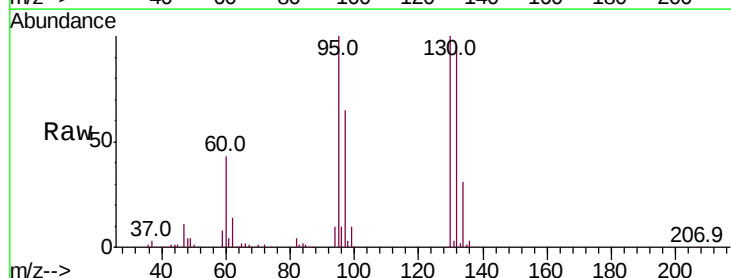
Acq: 10 Dec 2020 03:48

Tgt Ion: 130 Resp: 159428

Ion Ratio Lower Upper

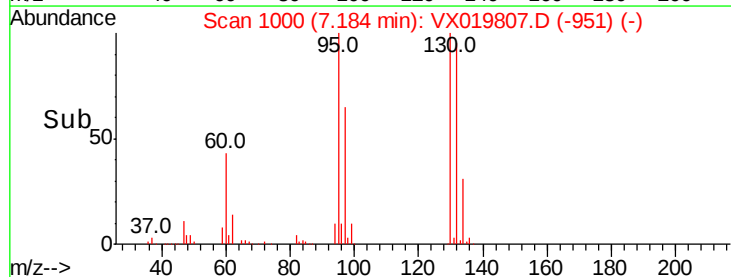
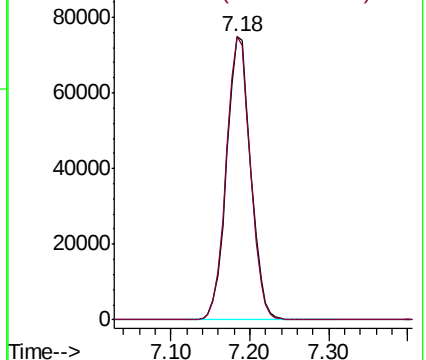
130 100

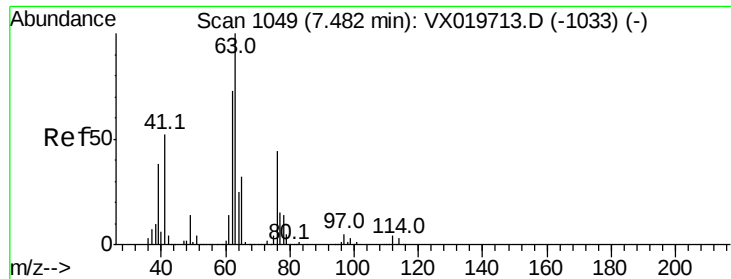
95 100.1 0.0 198.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 51.880 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. 0.01 min

Lab File: VX019807.D

Acq: 10 Dec 2020 03:48

Instrument :

MSVOA_X

ClientSampleId :

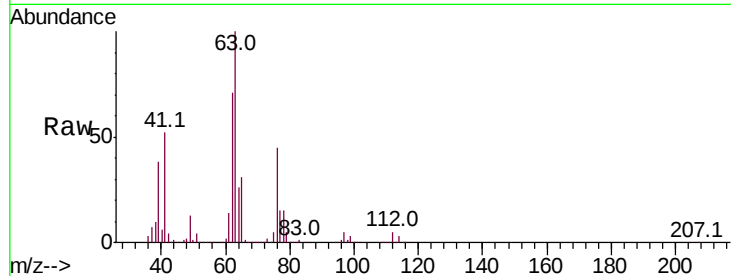
TU032-32-5226-120820MS

Tot Ion: 63 Resp: 158582

Ion Ratio Lower Upper

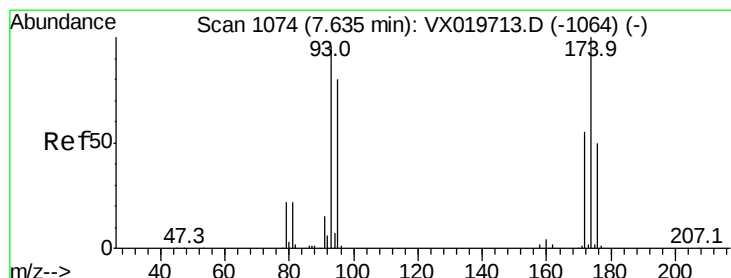
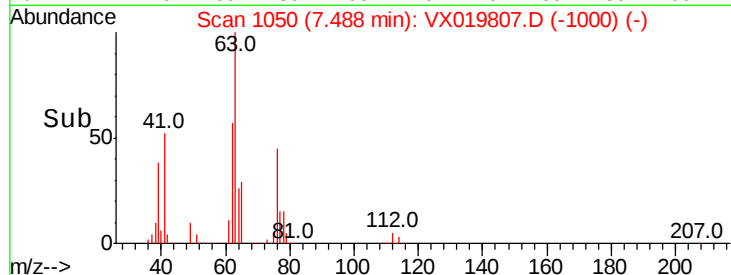
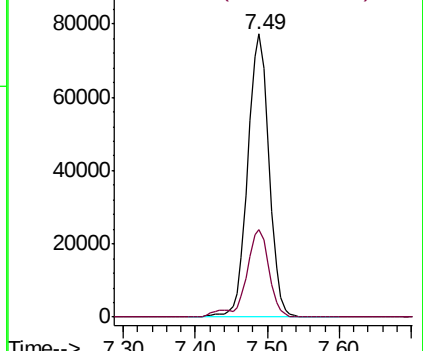
63 100

65 31.1 25.7 38.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 52.075 ug/l

RT: 7.63 min Scan# 1074

Delta R.T. -0.00 min

Lab File: VX019807.D

Acq: 10 Dec 2020 03:48

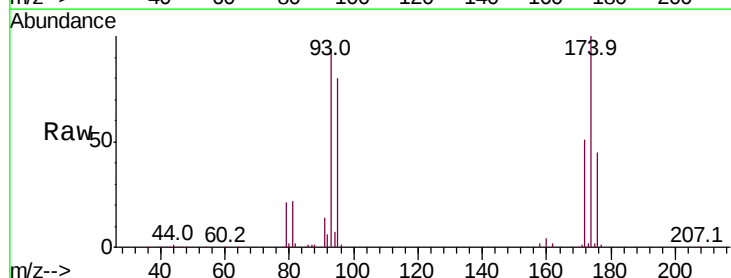
Tgt Ion: 93 Resp: 107495

Ion Ratio Lower Upper

93 100

95 83.4 66.8 100.2

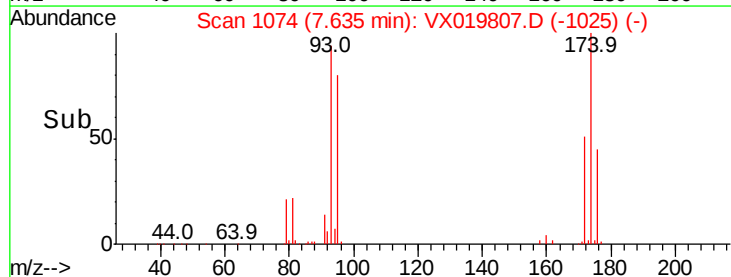
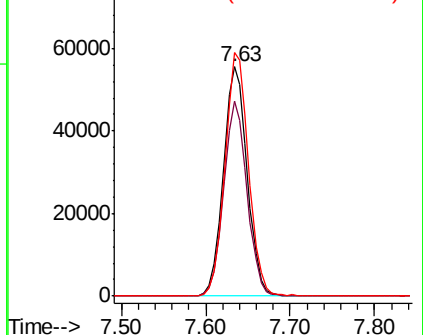
174 105.1 83.1 124.7

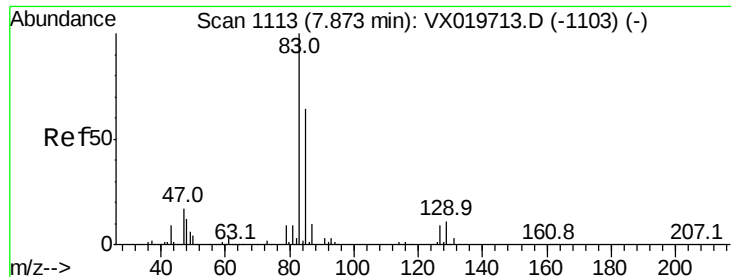


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 52.448 ug/l

RT: 7.87 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VX019807.D

Acq: 10 Dec 2020 03:48

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-5226-120820MS

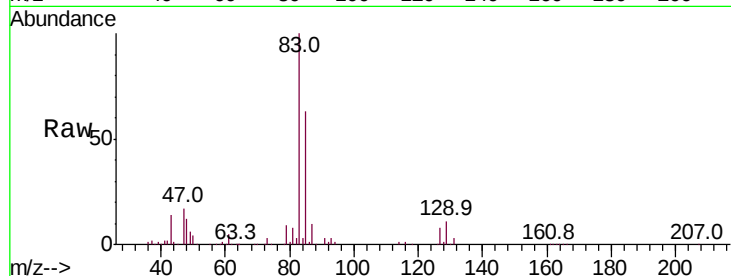
Tot Ion: 83 Resp: 214830

Ion Ratio Lower Upper

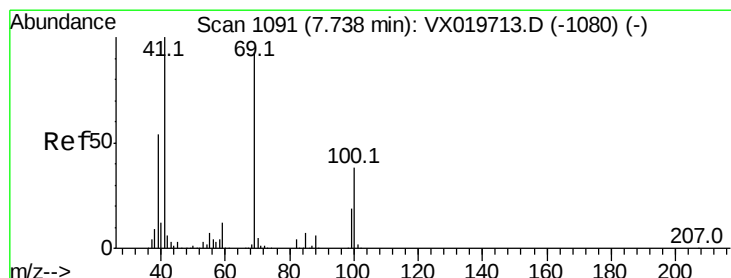
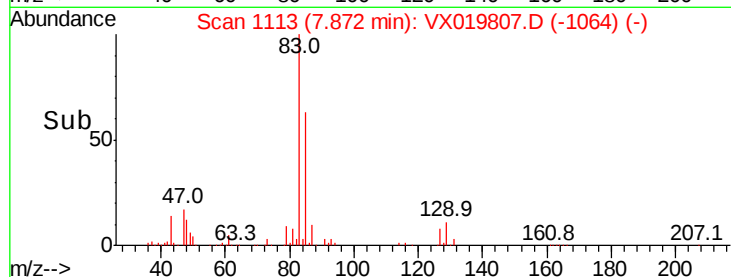
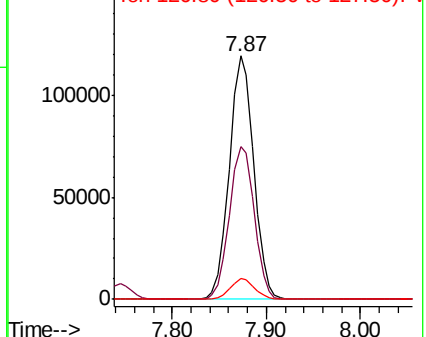
83 100

85 62.7 51.4 77.0

127 8.5 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): VX0



#48

Methyl methacrylate

Concen: 52.324 ug/l

RT: 7.74 min Scan# 1092

Delta R.T. 0.01 min

Lab File: VX019807.D

Acq: 10 Dec 2020 03:48

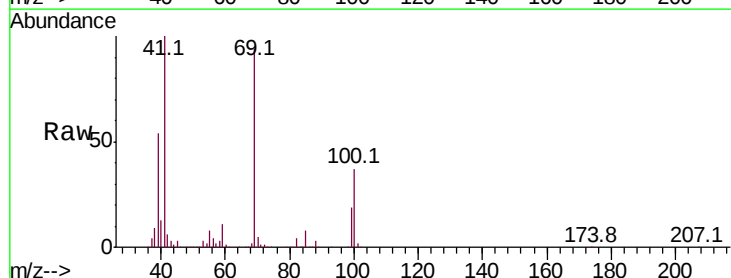
Tgt Ion: 41 Resp: 169126

Ion Ratio Lower Upper

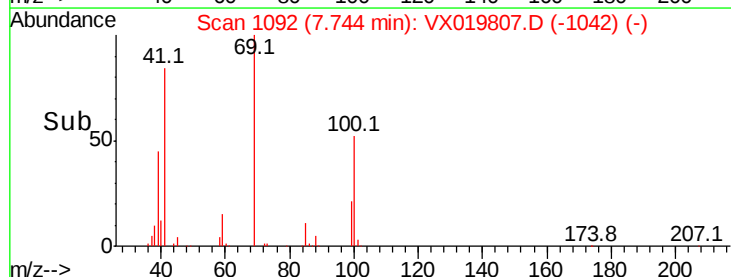
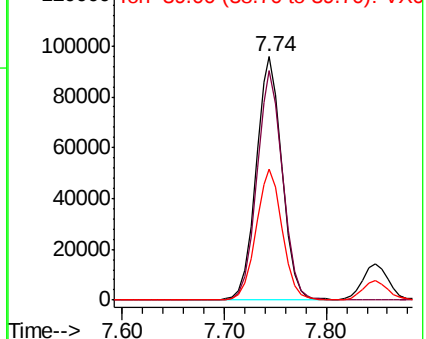
41 100

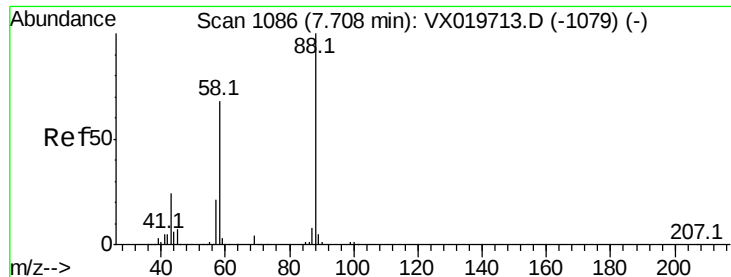
69 93.9 76.0 114.0

39 54.5 44.6 67.0



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

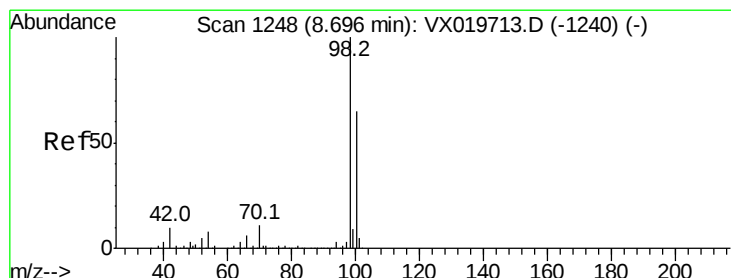
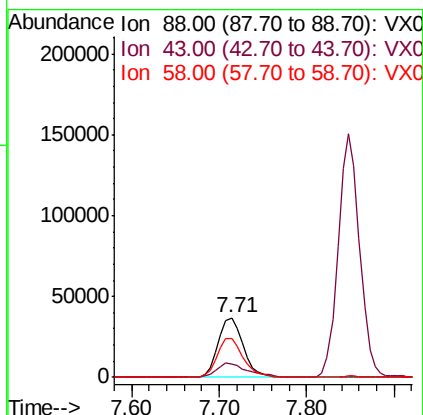
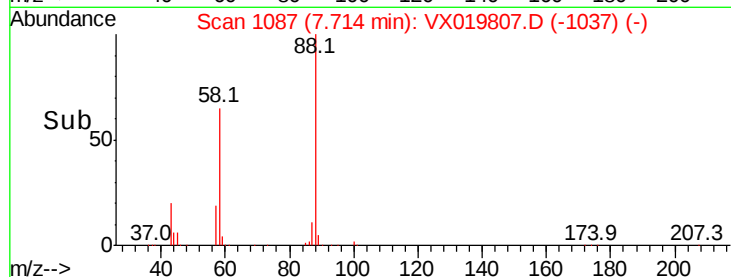
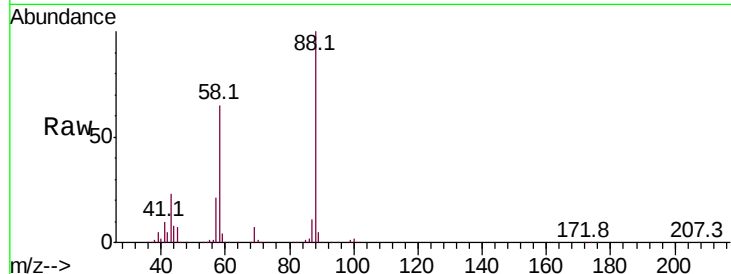




#49
1,4-Dioxane
Concen: 932.026 ug/l
RT: 7.71 min Scan# 1087
Delta R.T. 0.01 min
Lab File: VX019807.D
Acq: 10 Dec 2020 03:48

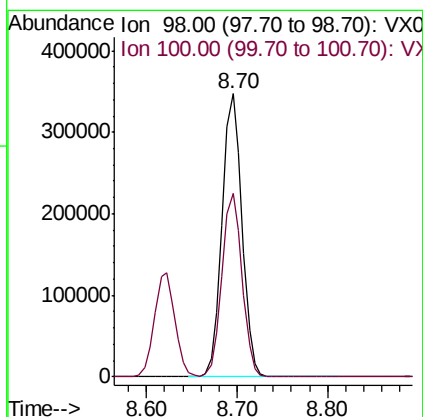
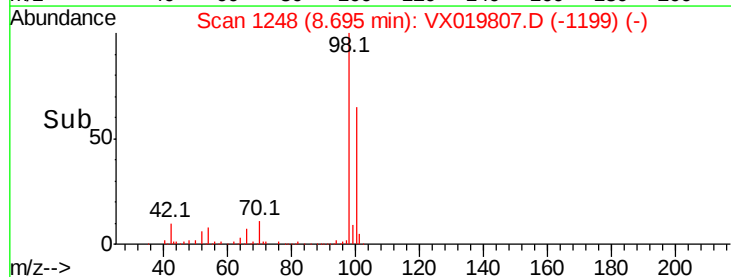
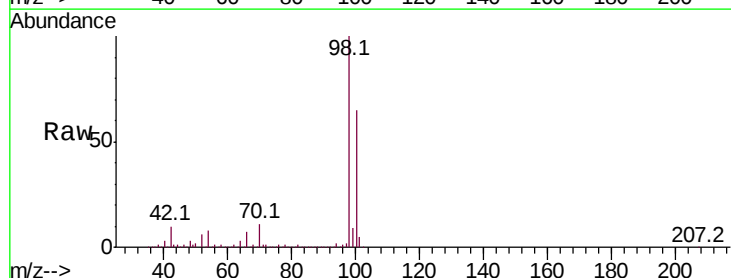
Instrument :
MSVOA_X
ClientSampleId :
TU032-32-5226-120820MS

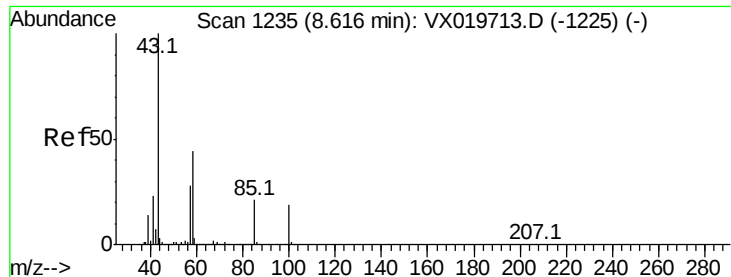
Tot Ion: 88 Resp: 72979
Ion Ratio Lower Upper
88 100
43 29.0 23.2 34.8
58 68.5 55.0 82.4



#50
Toluene-d8
Concen: 48.635 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019807.D
Acq: 10 Dec 2020 03:48

Tgt Ion: 98 Resp: 531693
Ion Ratio Lower Upper
98 100
100 65.4 51.9 77.9

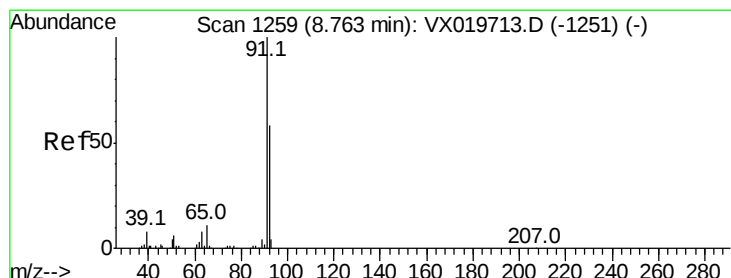
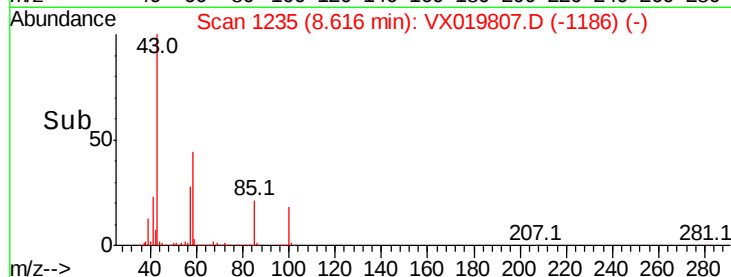
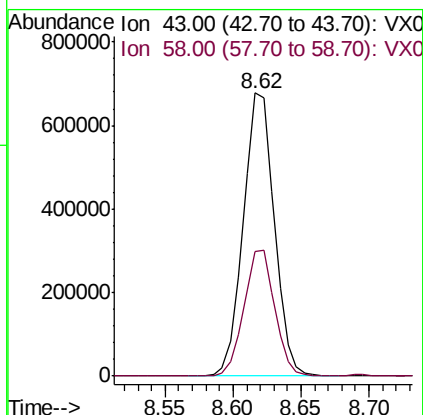
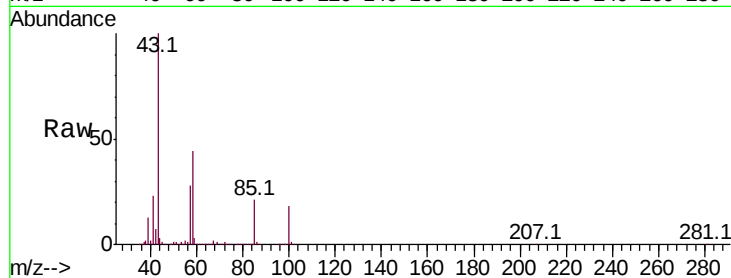




#51
 4-Methyl-2-Pentanone
 Concen: 267.358 ug/l
 RT: 8.62 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VX019807.D
 Acq: 10 Dec 2020 03:48

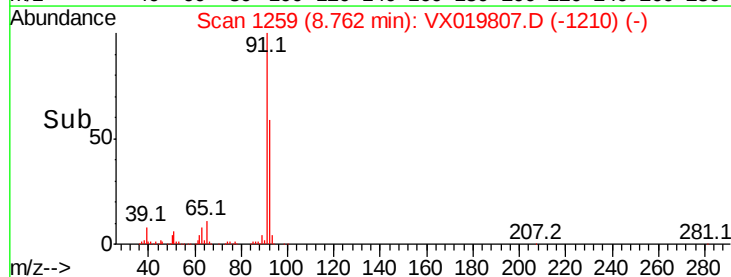
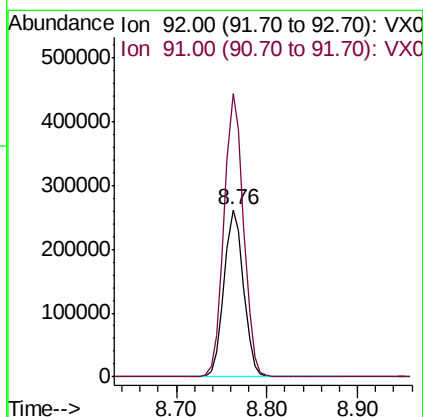
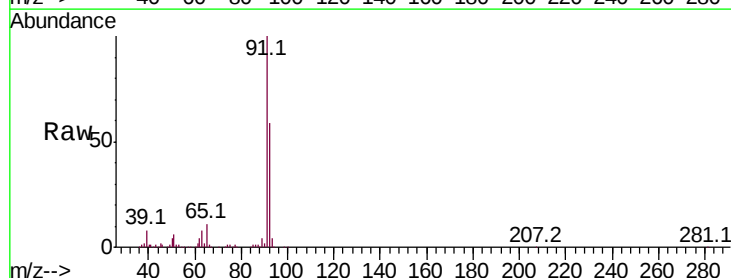
Instrument :
 MSVOA_X
 ClientSampleId :
 TU032-32-5226-120820MS

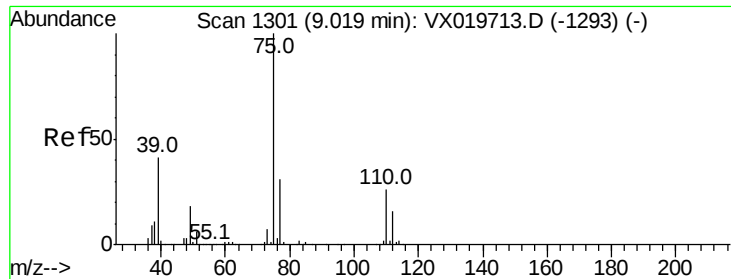
Tot Ion: 43 Resp: 1072794
 Ion Ratio Lower Upper
 43 100
 58 44.3 35.4 53.0



#52
 Toluene
 Concen: 51.445 ug/l
 RT: 8.76 min Scan# 1259
 Delta R.T. -0.00 min
 Lab File: VX019807.D
 Acq: 10 Dec 2020 03:48

Tgt Ion: 92 Resp: 393523
 Ion Ratio Lower Upper
 92 100
 91 169.0 137.1 205.7

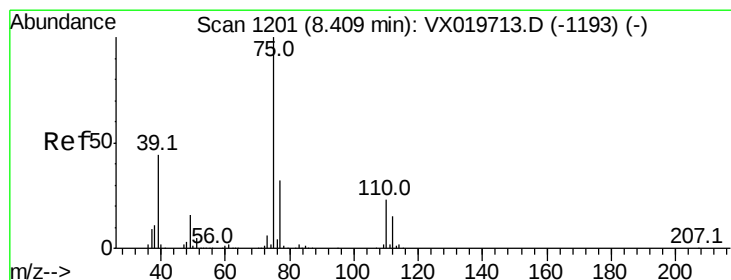
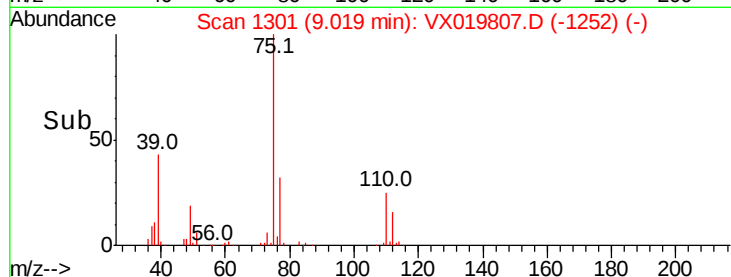
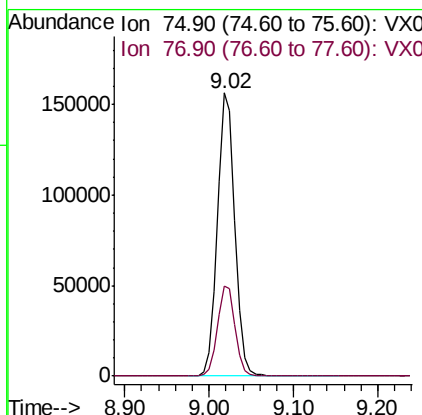
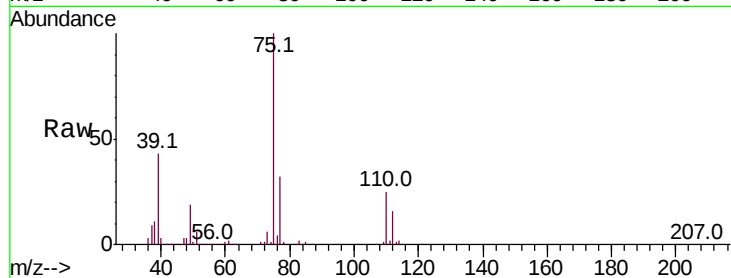




#53
 t-1,3-Dichloropropene
 Concen: 49.347 ug/l
 RT: 9.02 min Scan# 1301
 Delta R.T. -0.00 min
 Lab File: VX019807.D
 Acq: 10 Dec 2020 03:48

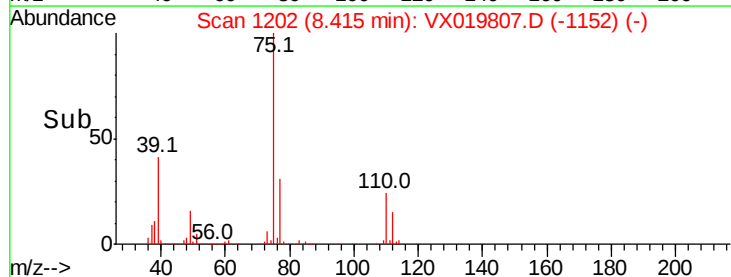
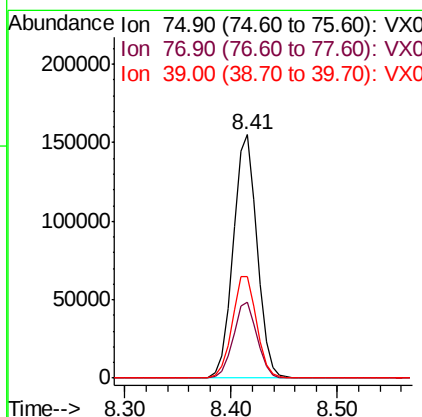
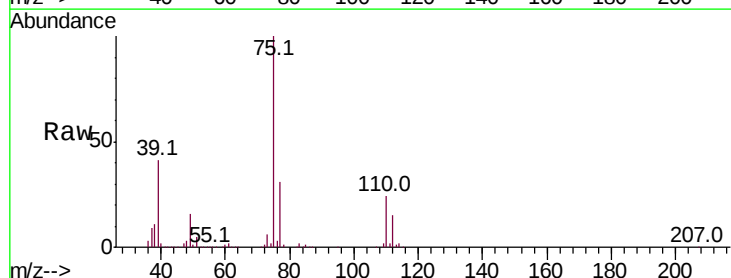
Instrument :
 MSVOA_X
 ClientSampleId :
 TU032-32-5226-120820MS

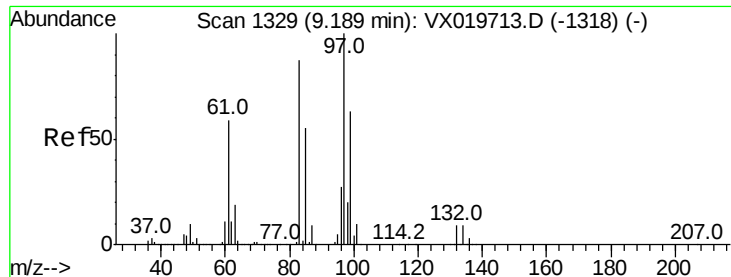
Tot Ion: 75 Resp: 224303
 Ion Ratio Lower Upper
 75 100
 77 32.0 24.9 37.3



#54
 cis-1,3-Dichloropropene
 Concen: 49.451 ug/l
 RT: 8.41 min Scan# 1202
 Delta R.T. 0.01 min
 Lab File: VX019807.D
 Acq: 10 Dec 2020 03:48

Tgt Ion: 75 Resp: 244195
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.7 38.5
 39 41.4 35.1 52.7

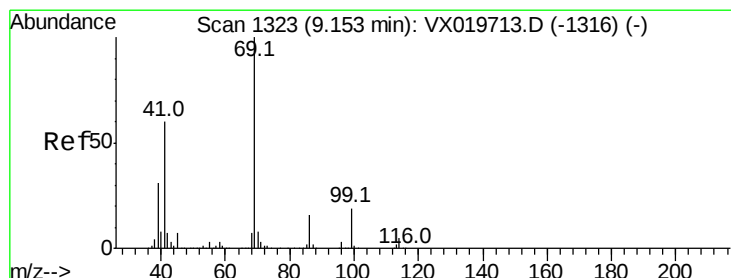
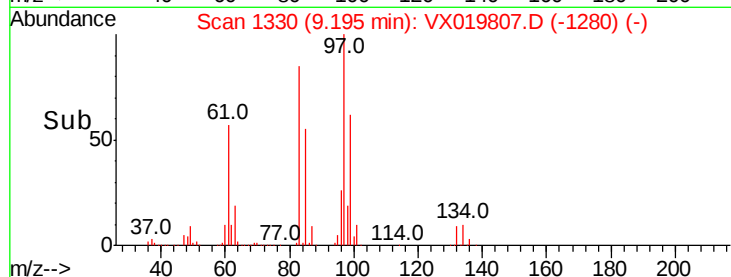
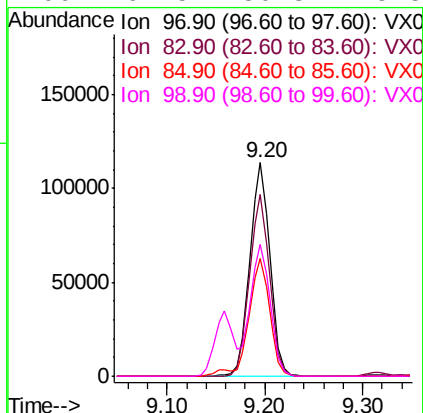
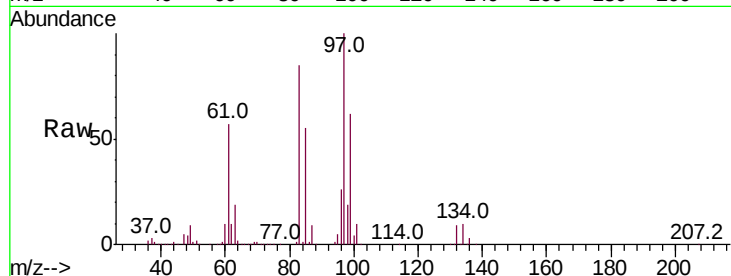




#55
 1,1,2-Trichloroethane
 Concen: 52.710 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.01 min
 Lab File: VX019807.D
 Acq: 10 Dec 2020 03:48

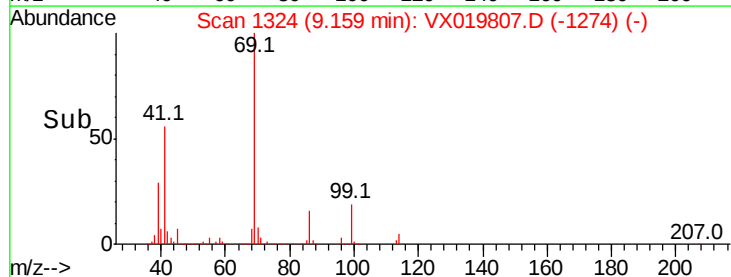
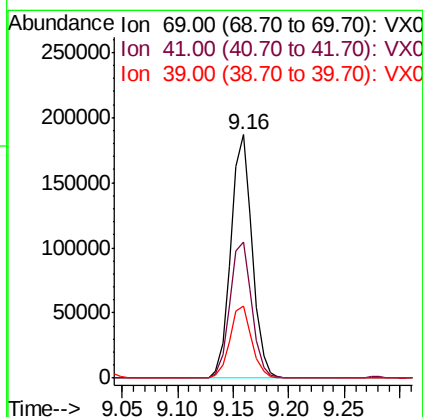
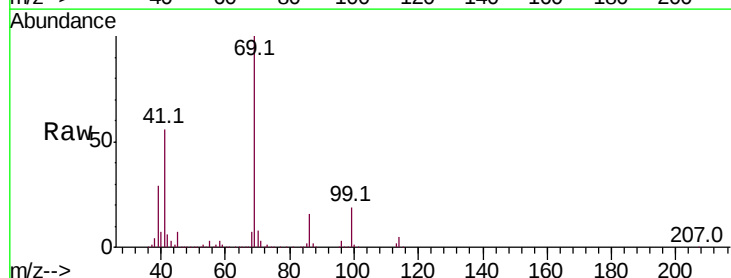
Instrument :
 MSVOA_X
 ClientSampleId :
 TU032-32-5226-120820MS

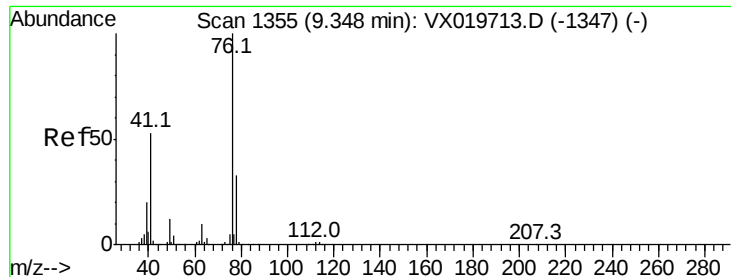
Tot Ion:	97	Resp:	162482
Ion	Ratio	Lower	Upper
97	100		
83	85.3	69.3	103.9
85	54.9	44.3	66.5
99	61.5	50.3	75.5



#56
 Ethyl methacrylate
 Concen: 52.854 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: VX019807.D
 Acq: 10 Dec 2020 03:48

Tgt Ion:	69	Resp:	246502
Ion	Ratio	Lower	Upper
69	100		
41	57.8	46.8	70.2
39	30.4	24.7	37.1





#57

1,3-Dichloropropane

Concen: 51.810 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. 0.01 min

Lab File: VX019807.D

Acq: 10 Dec 2020 03:48

Instrument :

MSVOA_X

ClientSampleId :

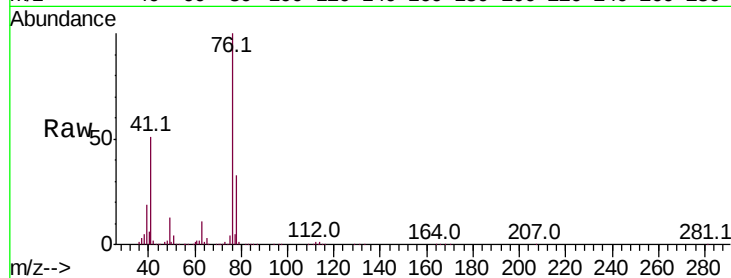
TU032-32-5226-120820MS

Tot Ion: 76 Resp: 272704

Ion Ratio Lower Upper

76 100

78 32.3 26.2 39.2



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.35

200000

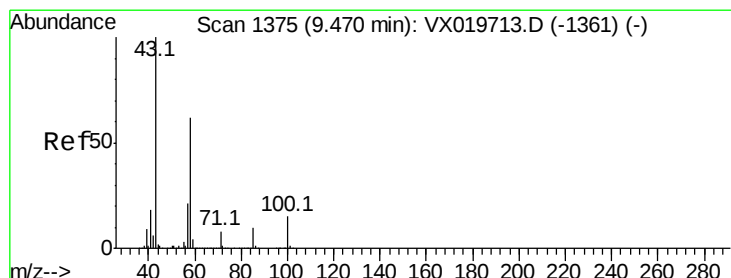
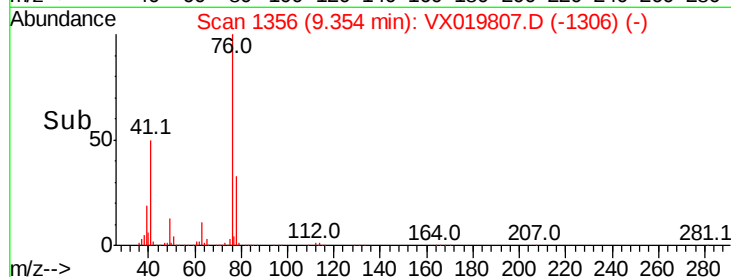
150000

100000

50000

0

Time--> 9.25 9.30 9.35 9.40 9.45



#59

2-Hexanone

Concen: 263.449 ug/l

RT: 9.47 min Scan# 1375

Delta R.T. -0.00 min

Lab File: VX019807.D

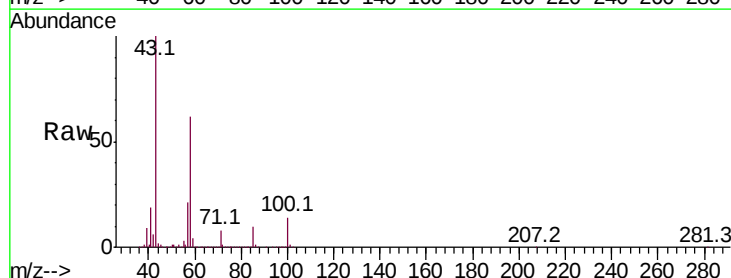
Acq: 10 Dec 2020 03:48

Tgt Ion: 43 Resp: 819397

Ion Ratio Lower Upper

43 100

58 61.9 30.9 92.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

9.47

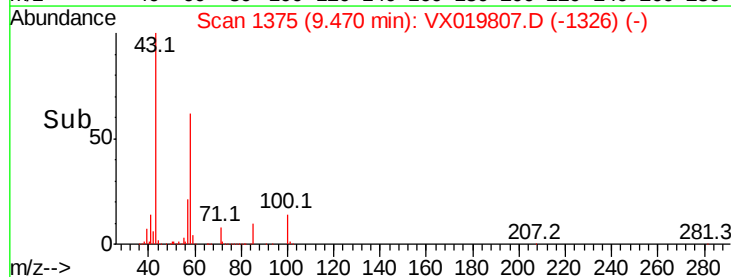
600000

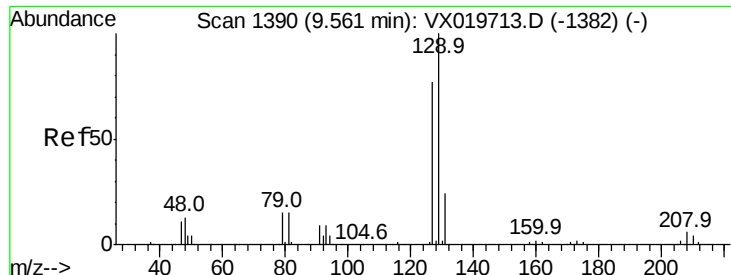
400000

200000

0

Time--> 9.40 9.50 9.60





#60

Dibromochloromethane

Concen: 53.162 ug/l

RT: 9.56 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VX019807.D

Acq: 10 Dec 2020 03:48

Instrument :

MSVOA_X

ClientSampleId :

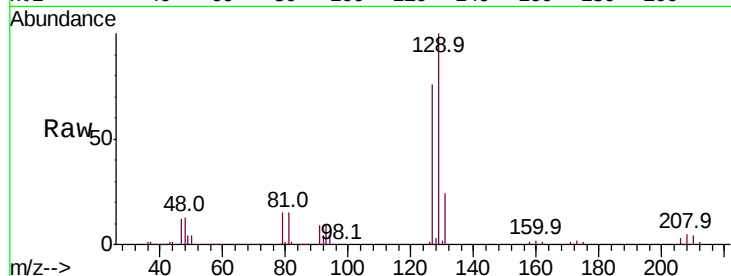
TU032-32-5226-120820MS

Tot Ion:129 Resp: 166496

Ion Ratio Lower Upper

129 100

127 76.5 38.4 115.2



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

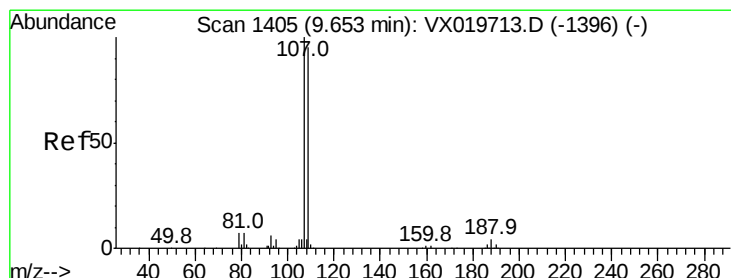
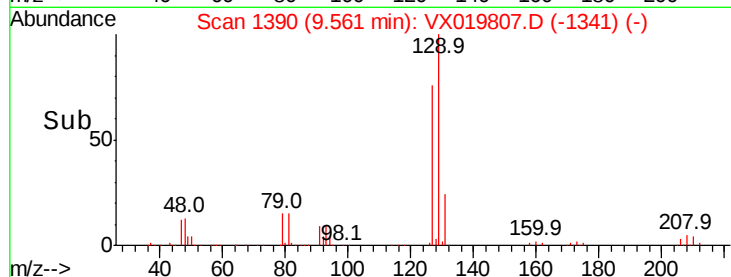
9.56

100000

50000

0

Time-->



#61

1,2-Dibromoethane

Concen: 51.753 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX019807.D

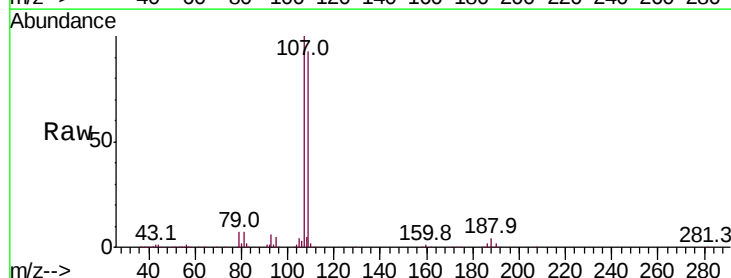
Acq: 10 Dec 2020 03:48

Tgt Ion:107 Resp: 169405

Ion Ratio Lower Upper

107 100

109 94.7 75.8 113.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

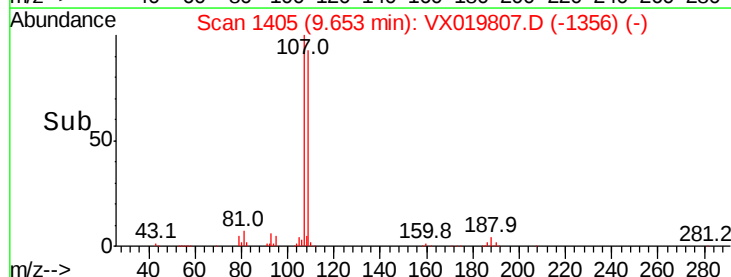
9.65

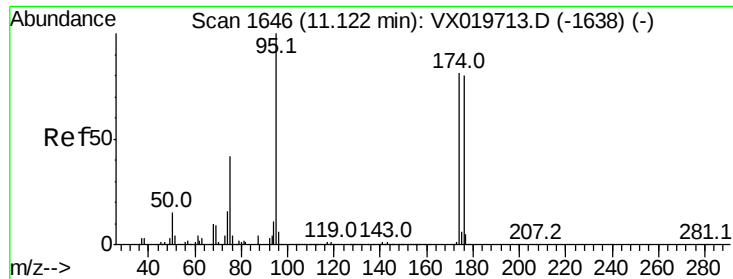
100000

50000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 47.664 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019807.D

Acq: 10 Dec 2020 03:48

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-5226-120820MS

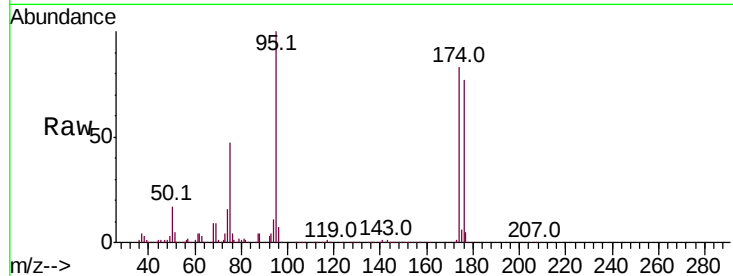
Tot Ion: 95 Resp: 198328

Ion Ratio Lower Upper

95 100

174 80.6 0.0 154.6

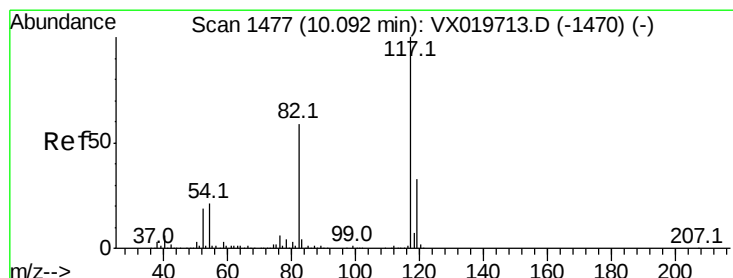
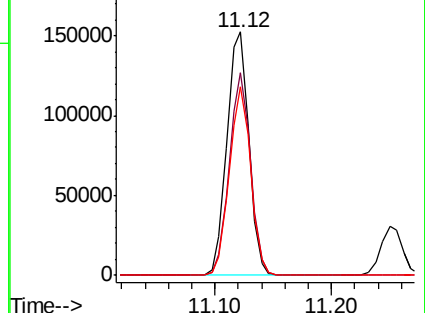
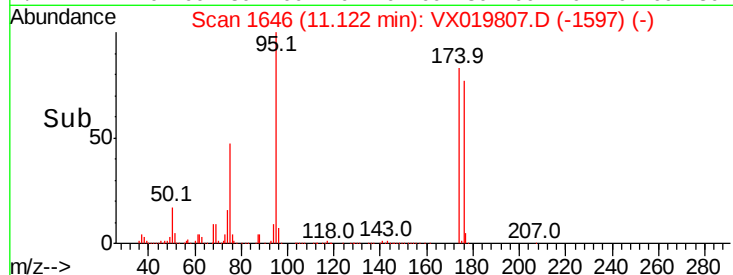
176 75.7 0.0 155.8



Abundance Ion 94.90 (94.60 to 95.60): VX019807.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX019807.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX019807.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.09 min Scan# 1477

Delta R.T. -0.00 min

Lab File: VX019807.D

Acq: 10 Dec 2020 03:48

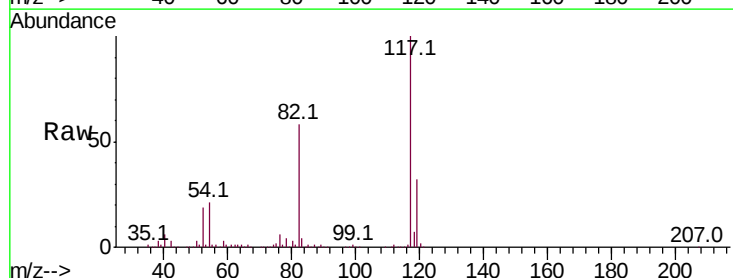
Tgt Ion: 117 Resp: 406303

Ion Ratio Lower Upper

117 100

82 57.8 47.4 71.2

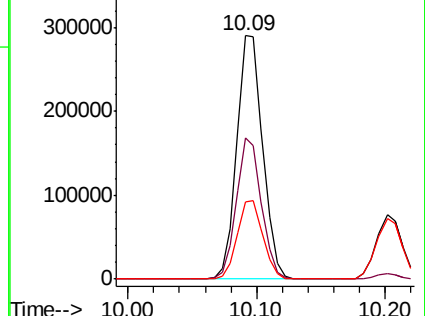
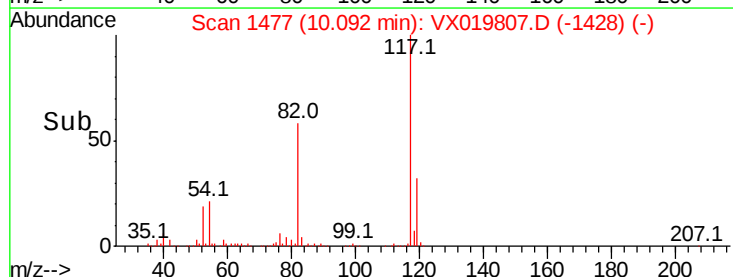
119 31.9 26.6 39.8

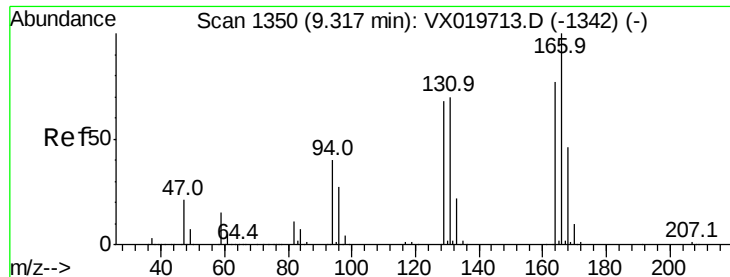


Abundance Ion 116.90 (116.60 to 117.60): VX019807.D (-1428) (-)

Ion 82.00 (81.70 to 82.70): VX019807.D (-1428) (-)

Ion 118.90 (118.60 to 119.60): VX019807.D (-1428) (-)





#64

Tetrachloroethene

Concen: 50.934 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VX019807.D

Acq: 10 Dec 2020 03:48

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-5226-120820MS

Tot Ion:164 Resp: 138783

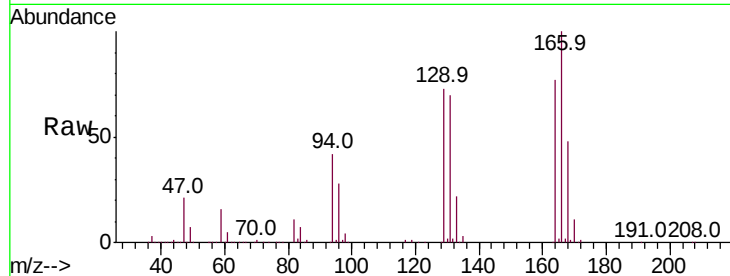
Ion Ratio Lower Upper

164 100

166 129.6 103.4 155.2

129 95.2 70.8 106.2

131 90.9 72.5 108.7



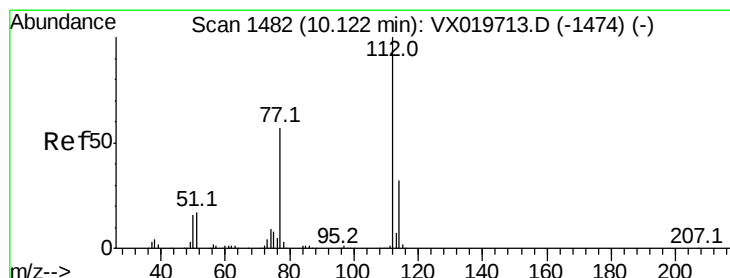
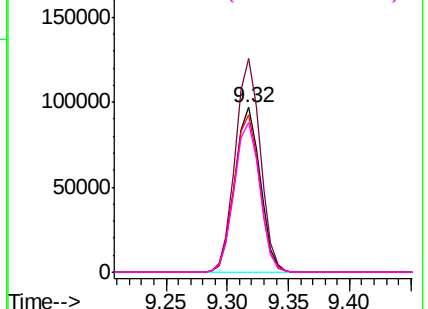
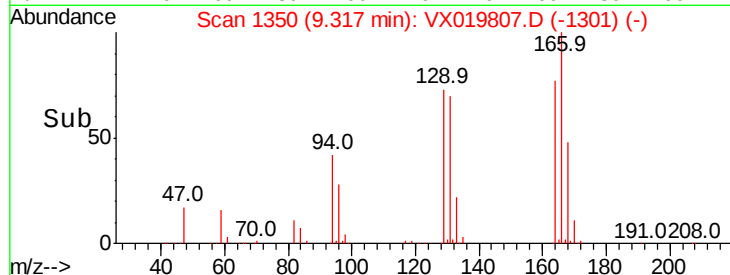
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 50.564 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX019807.D

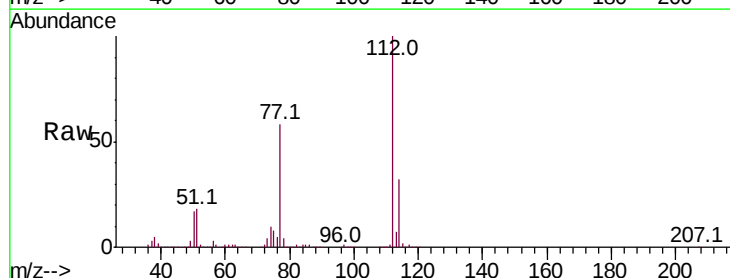
Acq: 10 Dec 2020 03:48

Tgt Ion:112 Resp: 409300

Ion Ratio Lower Upper

112 100

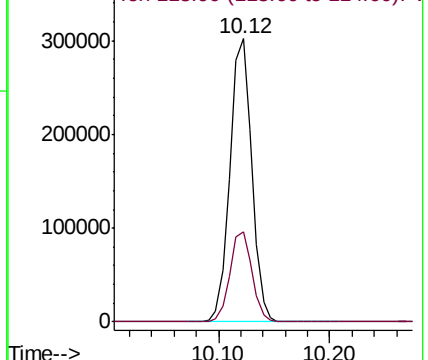
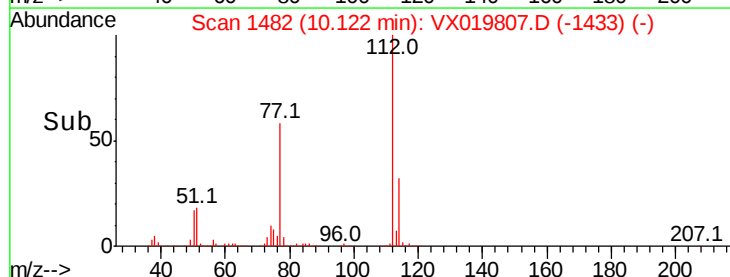
114 32.0 25.8 38.6

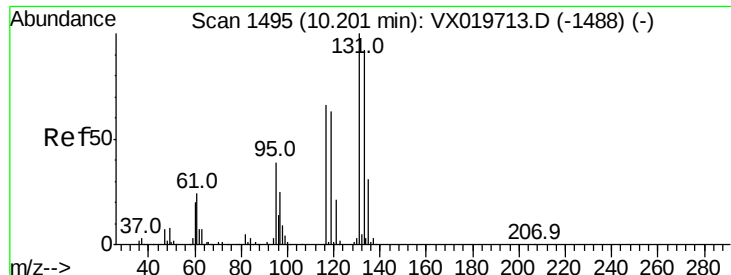


Abundance

Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

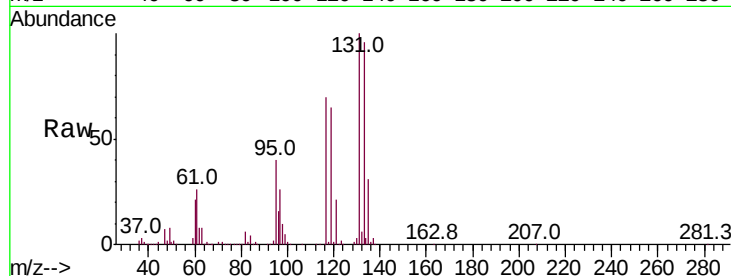




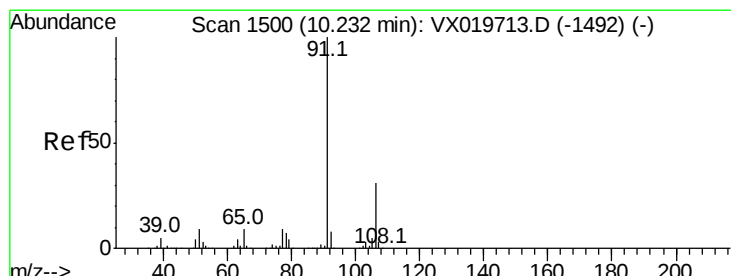
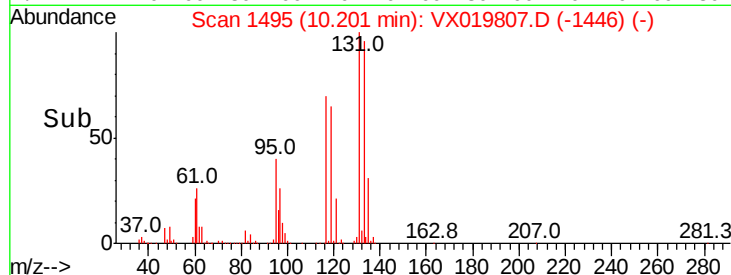
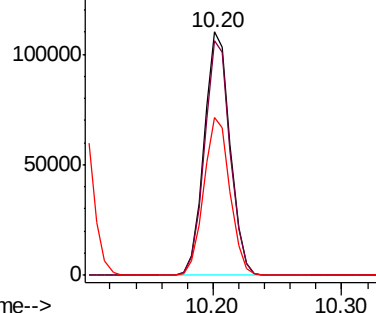
#66
 1,1,1,2-Tetrachloroethane
 Concen: 52.896 ug/l
 RT: 10.20 min Scan# 1495
 Delta R.T. -0.00 min
 Lab File: VX019807.D
 Acq: 10 Dec 2020 03:48

Instrument :
 MSVOA_X
 ClientSampleId :
 TU032-32-5226-120820MS

Tot Ion:131 Resp: 154112
 Ion Ratio Lower Upper
 131 100
 133 95.6 47.7 143.1
 119 65.2 32.1 96.5

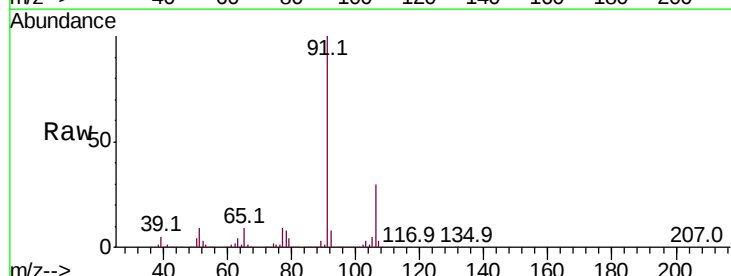


Abundance Ion 130.80 (130.50 to 131.50): V
 150000 Ion 132.80 (132.50 to 133.50): V
 Ion 118.80 (118.50 to 119.50): V

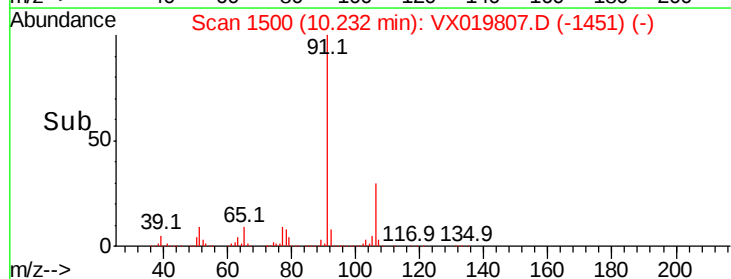
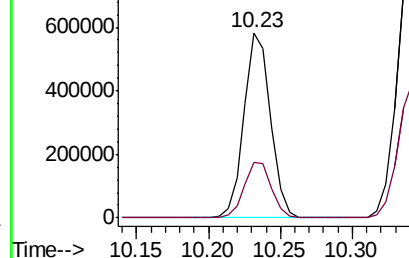


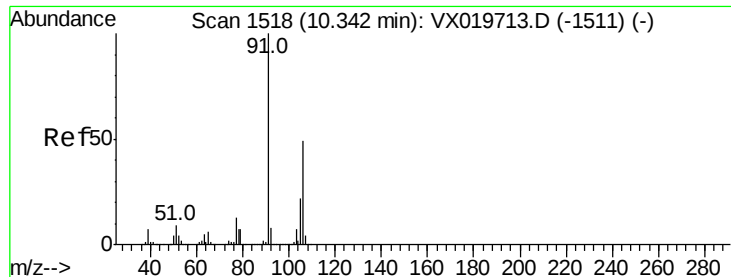
#67
 Ethyl Benzene
 Concen: 51.697 ug/l
 RT: 10.23 min Scan# 1500
 Delta R.T. -0.00 min
 Lab File: VX019807.D
 Acq: 10 Dec 2020 03:48

Tgt Ion: 91 Resp: 742800
 Ion Ratio Lower Upper
 91 100
 106 30.0 24.6 37.0



Abundance Ion 91.00 (90.70 to 91.70): VX0
 1000000 Ion 106.00 (105.70 to 106.70): V

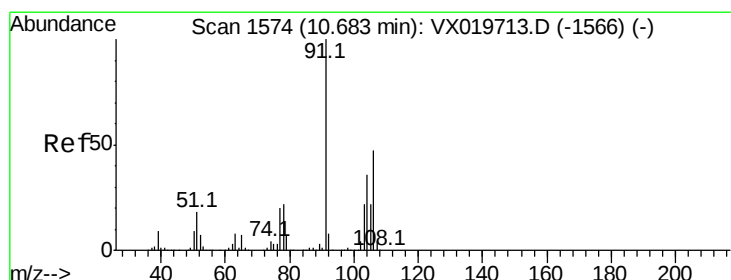
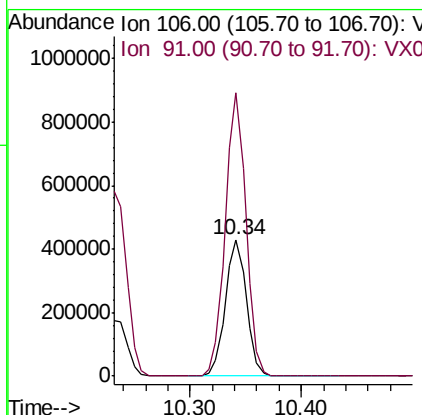
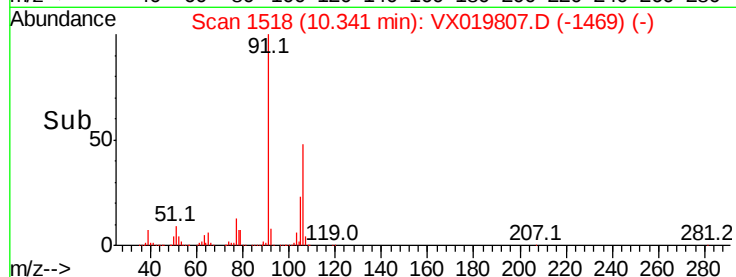
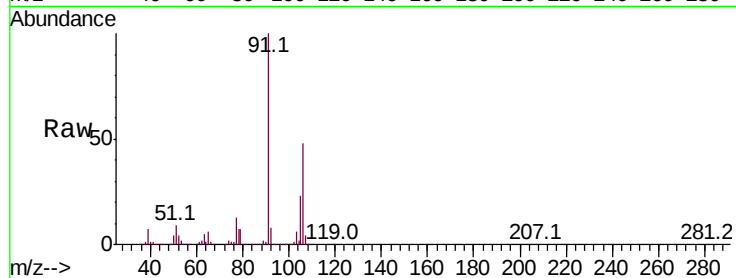




#68
m/p-Xylenes
Concen: 102.941 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX019807.D
Acq: 10 Dec 2020 03:48

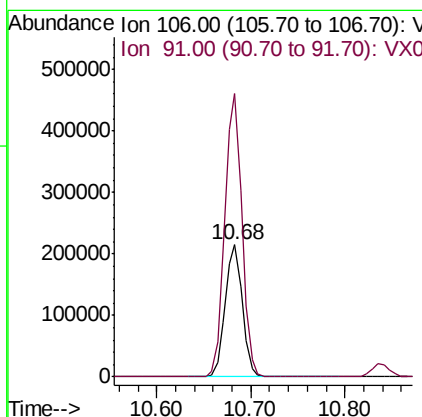
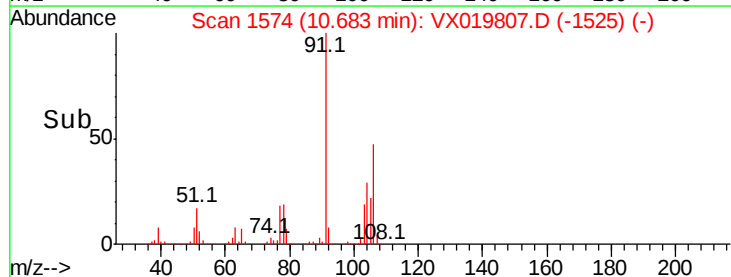
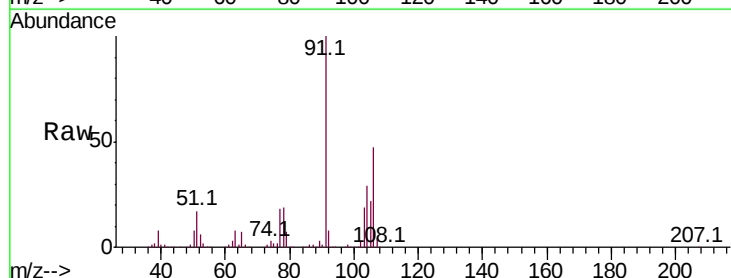
Instrument :
MSVOA_X
ClientSampleId :
TU032-32-5226-120820MS

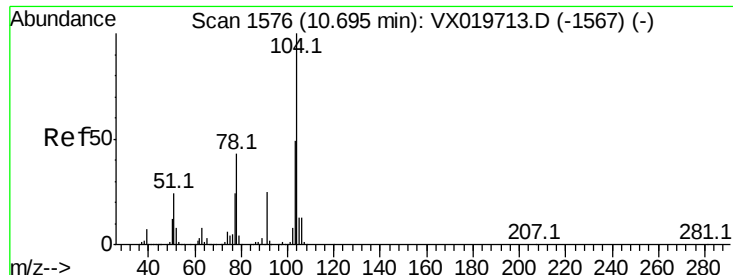
Tot Ion:106 Resp: 557345
Ion Ratio Lower Upper
106 100
91 205.5 162.8 244.2



#69
o-Xylene
Concen: 51.961 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX019807.D
Acq: 10 Dec 2020 03:48

Tgt Ion:106 Resp: 270623
Ion Ratio Lower Upper
106 100
91 214.8 108.1 324.2

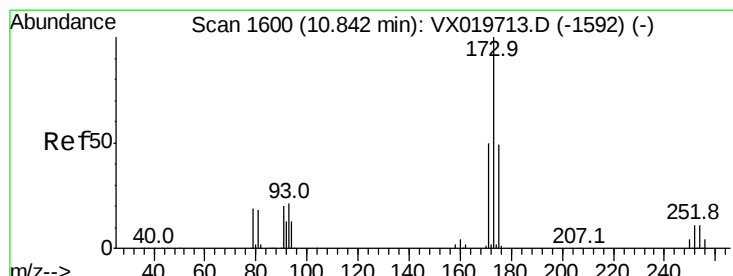
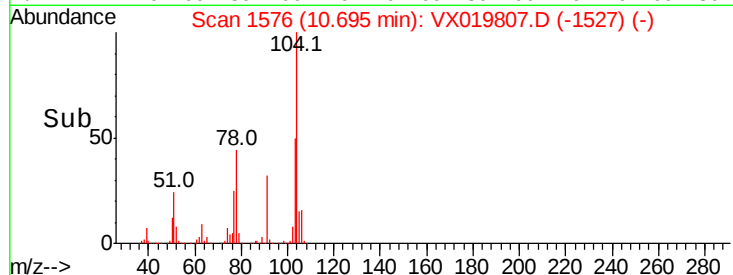
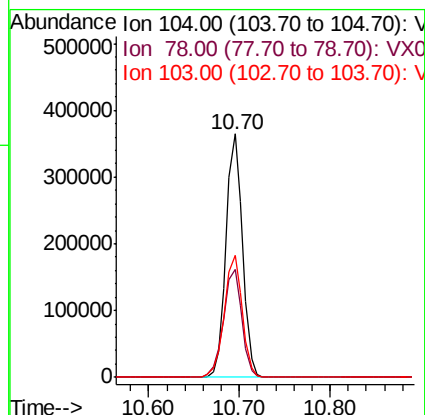
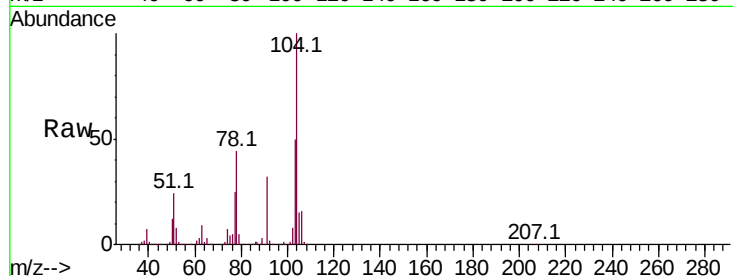




#70
Stvrene
Concen: 52.580 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX019807.D
Acq: 10 Dec 2020 03:48

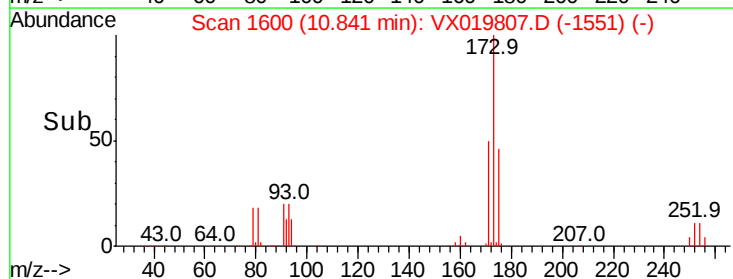
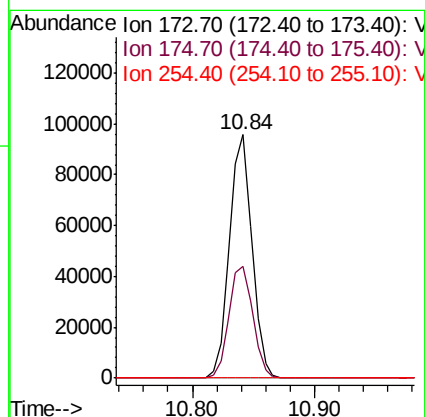
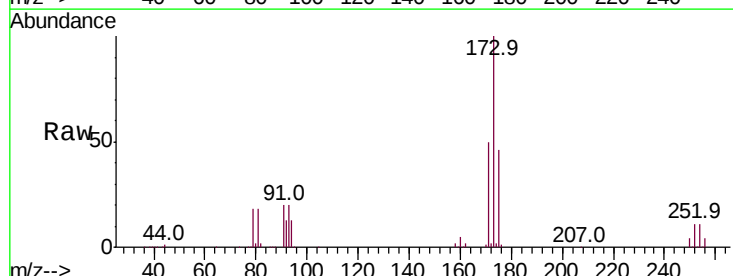
Instrument :
MSVOA_X
ClientSampleId :
TU032-32-5226-120820MS

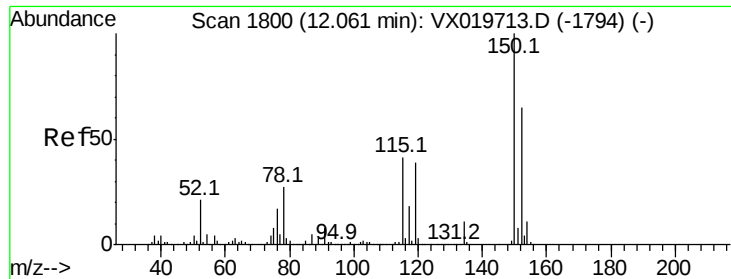
Tot Ion:104 Resp: 462221
Ion Ratio Lower Upper
104 100
78 49.6 40.0 60.0
103 54.4 43.4 65.0



#71
Bromoform
Concen: 53.122 ug/l
RT: 10.84 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VX019807.D
Acq: 10 Dec 2020 03:48

Tgt Ion:173 Resp: 121755
Ion Ratio Lower Upper
173 100
175 48.7 23.9 71.8
254 0.1 0.1 0.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019807.D

Acq: 10 Dec 2020 03:48

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-5226-120820MS

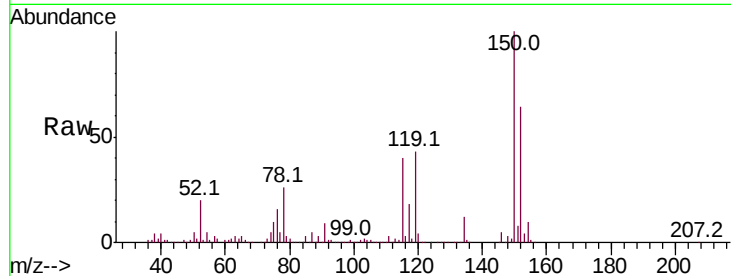
Tot Ion:152 Resp: 202044

Ion Ratio Lower Upper

152 100

115 81.3 41.1 123.3

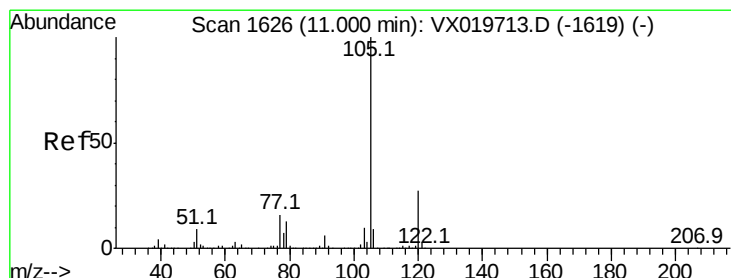
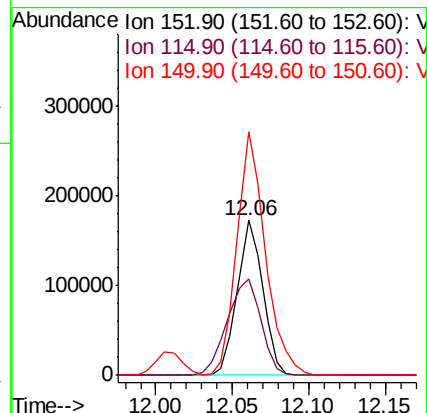
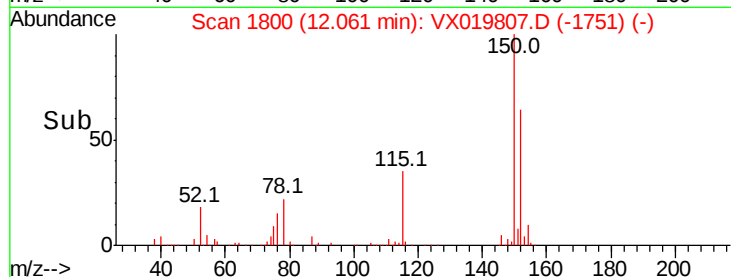
150 173.8 0.0 349.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 52.405 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX019807.D

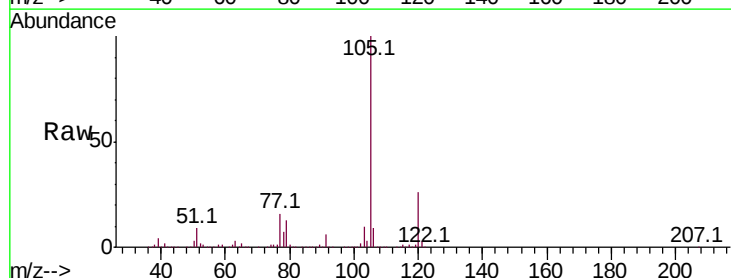
Acq: 10 Dec 2020 03:48

Tgt Ion:105 Resp: 723377

Ion Ratio Lower Upper

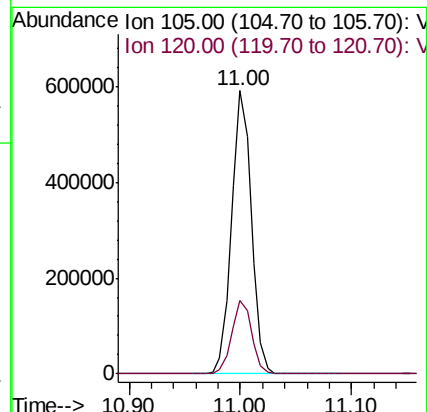
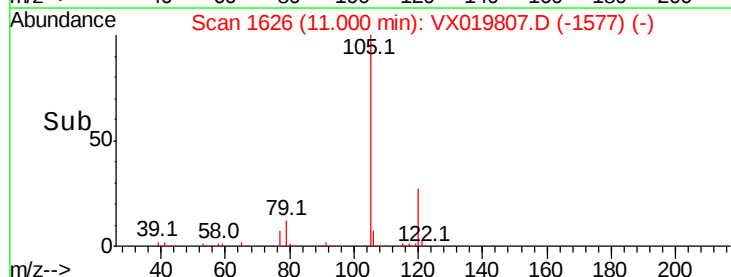
105 100

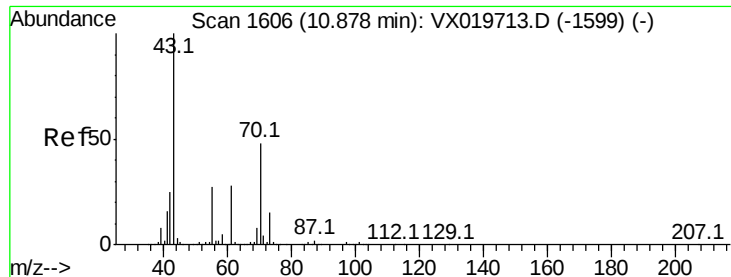
120 26.1 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 47.028 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. -0.00 min

Lab File: VX019807.D

Acq: 10 Dec 2020 03:48

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-5226-120820MS

Tot Ion: 43 Resp: 260143

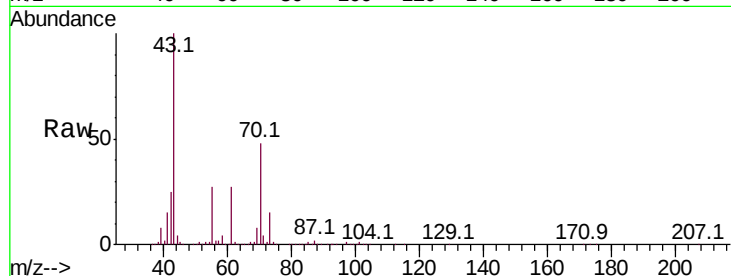
Ion Ratio Lower Upper

43 100

70 48.9 39.0 58.6

55 27.8 21.5 32.3

61 27.3 22.1 33.1

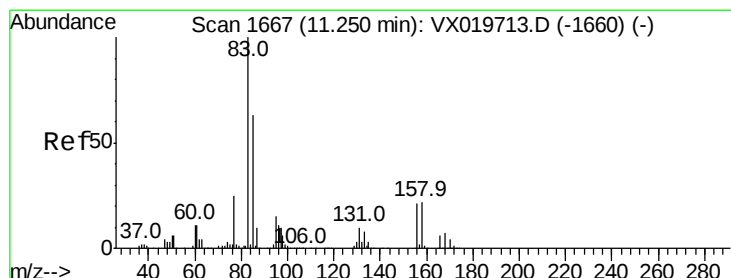
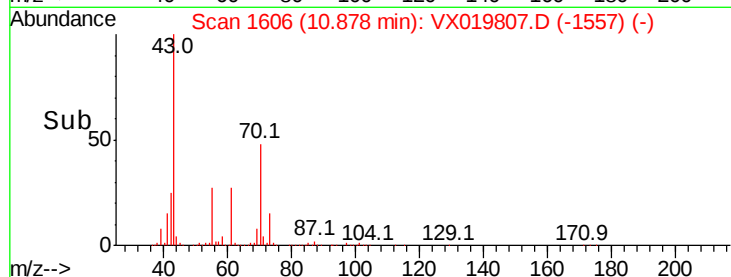
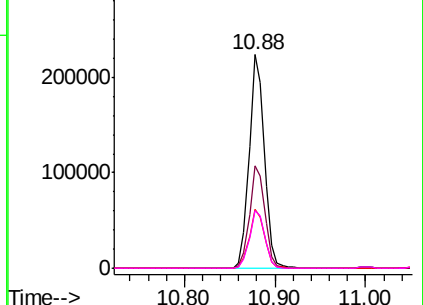


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 52.973 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. -0.00 min

Lab File: VX019807.D

Acq: 10 Dec 2020 03:48

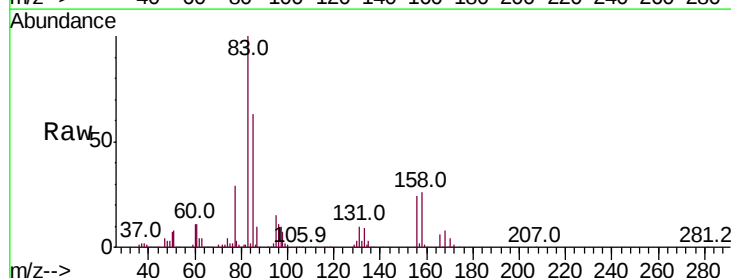
Tgt Ion: 83 Resp: 257797

Ion Ratio Lower Upper

83 100

131 10.1 5.1 15.2

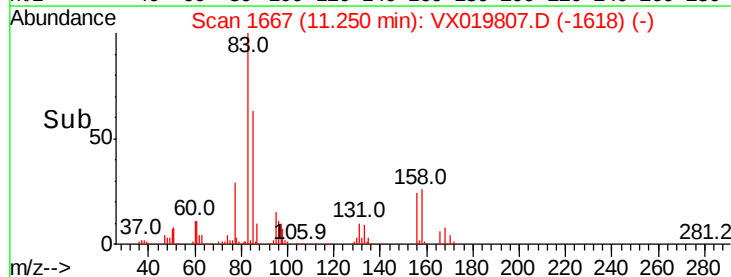
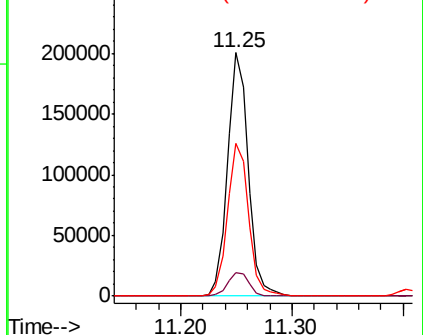
85 64.1 31.8 95.4

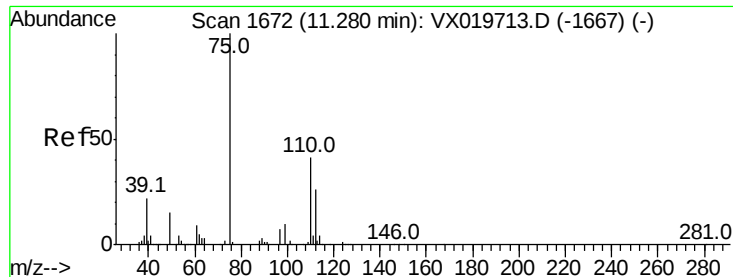


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 63.389 ug/l

RT: 11.28 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VX019807.D

Acq: 10 Dec 2020 03:48

Instrument :

MSVOA_X

ClientSampleId :

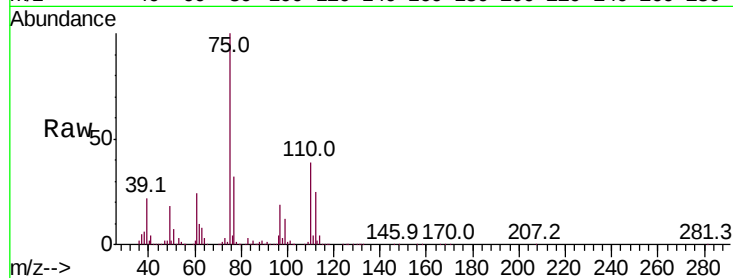
TU032-32-5226-120820MS

Tot Ion: 75 Resp: 287246

Ion Ratio Lower Upper

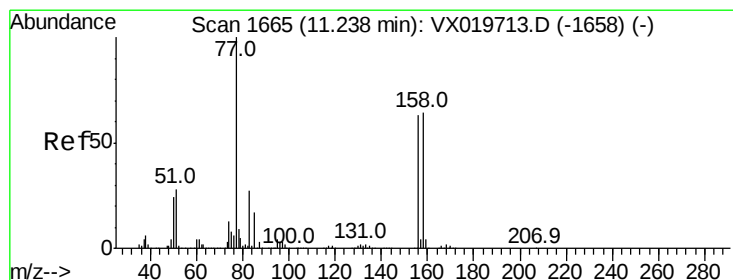
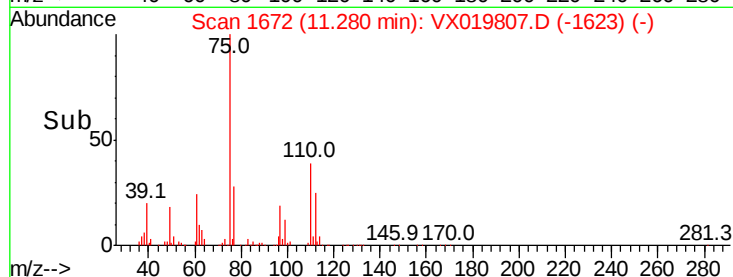
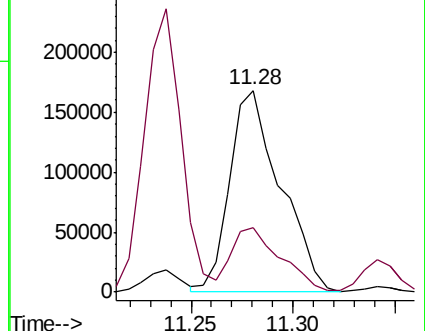
75 100

77 31.3 19.1 57.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#77

Bromobenzene

Concen: 51.543 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX019807.D

Acq: 10 Dec 2020 03:48

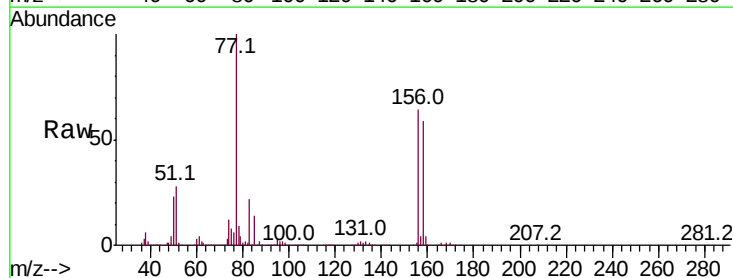
Tgt Ion: 156 Resp: 182076

Ion Ratio Lower Upper

156 100

77 163.0 82.8 248.6

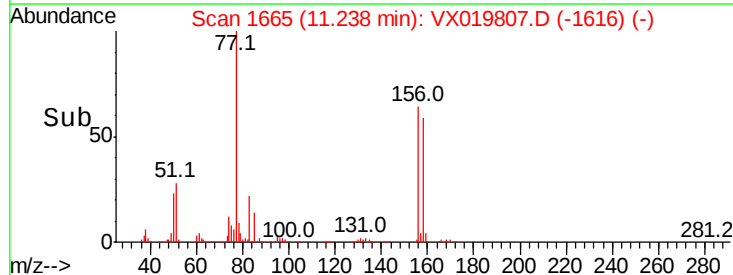
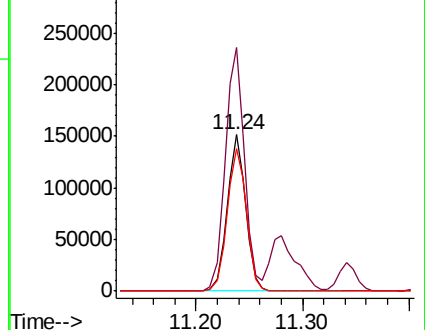
158 95.4 49.1 147.4

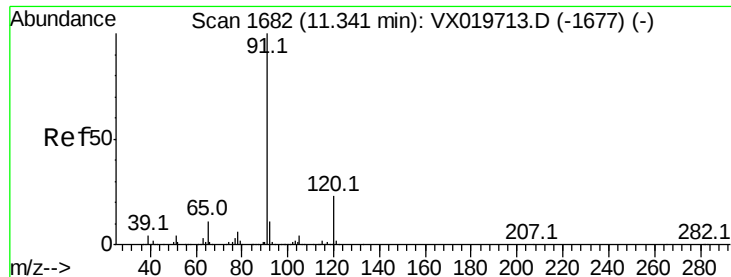


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V





#78

n-propylbenzene

Concen: 51.947 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VX019807.D

Acq: 10 Dec 2020 03:48

Instrument :

MSVOA_X

ClientSampleId :

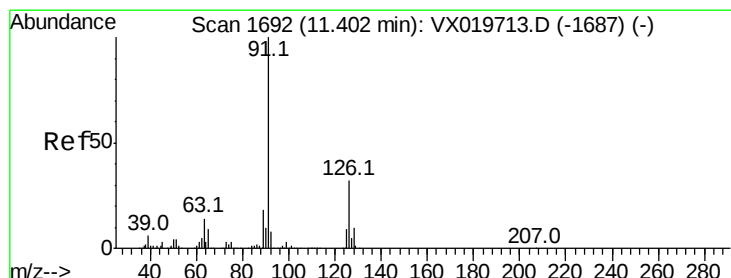
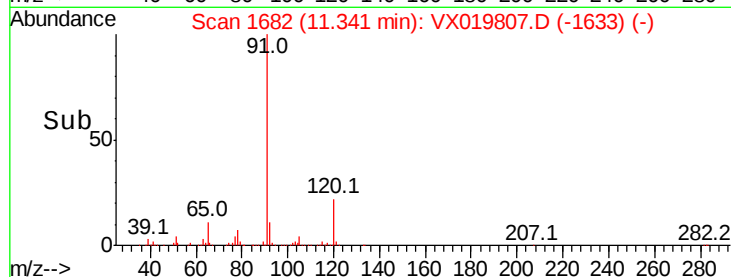
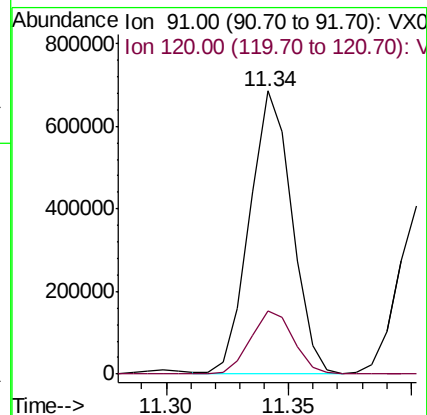
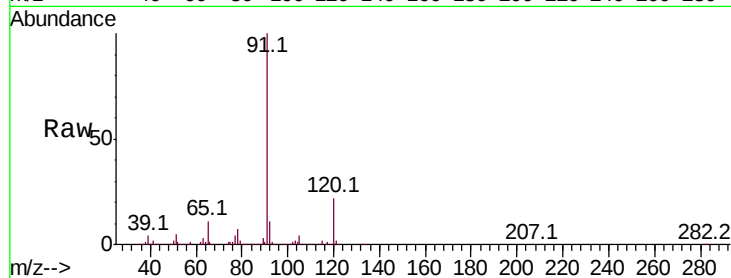
TU032-32-5226-120820MS

Tot Ion: 91 Resp: 818976

Ion Ratio Lower Upper

91 100

120 22.8 11.5 34.5



#79

2-Chlorotoluene

Concen: 51.492 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VX019807.D

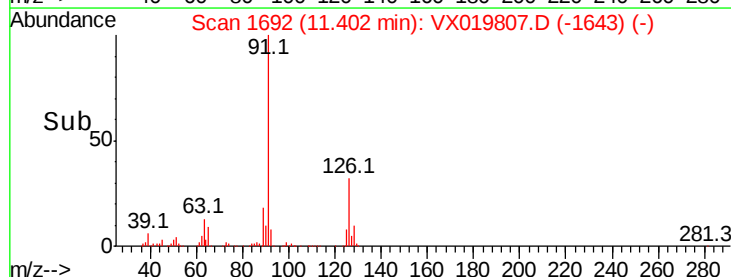
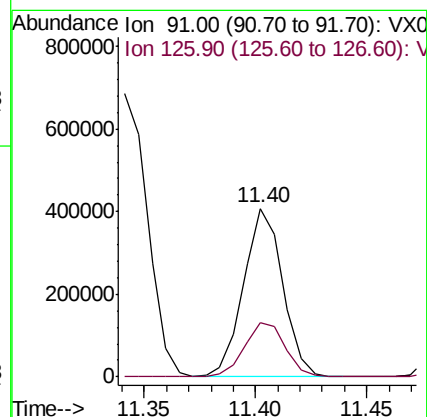
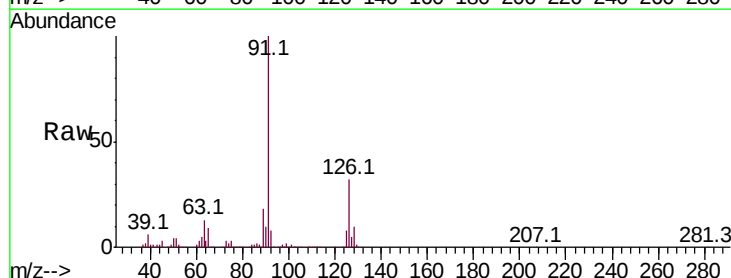
Acq: 10 Dec 2020 03:48

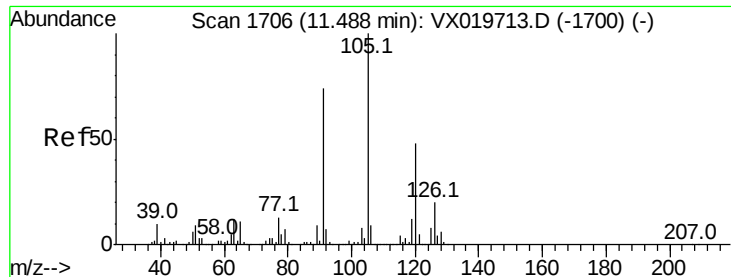
Tgt Ion: 91 Resp: 499929

Ion Ratio Lower Upper

91 100

126 33.5 16.6 49.8

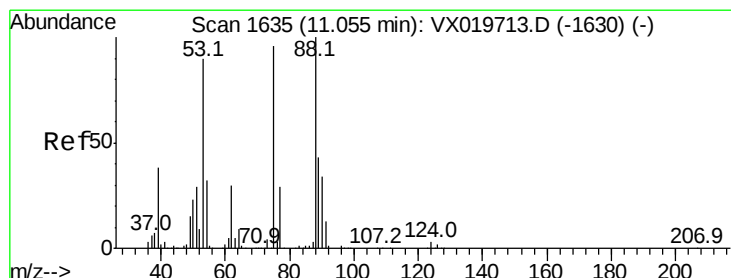
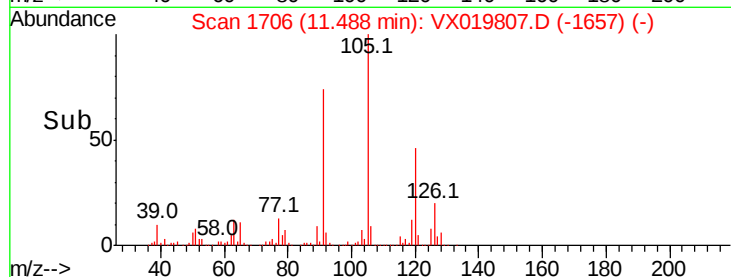
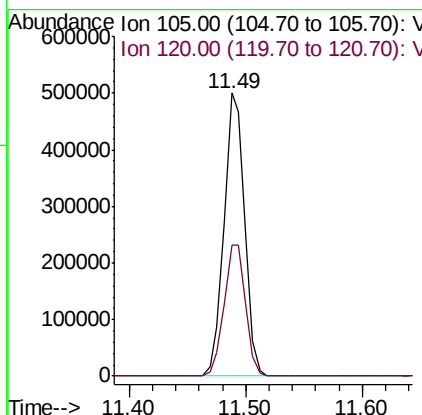
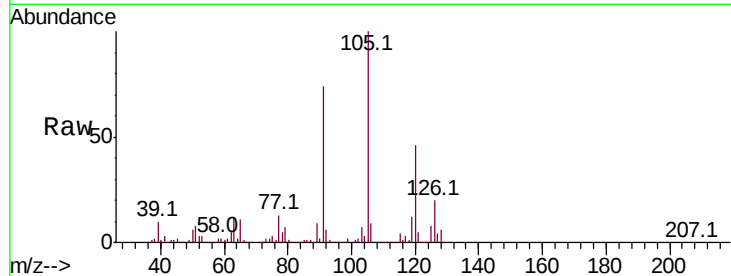




#80
 1,3,5-Trimethylbenzene
 Concen: 52.044 ug/l
 RT: 11.49 min Scan# 1706
 Delta R.T. -0.00 min
 Lab File: VX019807.D
 Acq: 10 Dec 2020 03:48

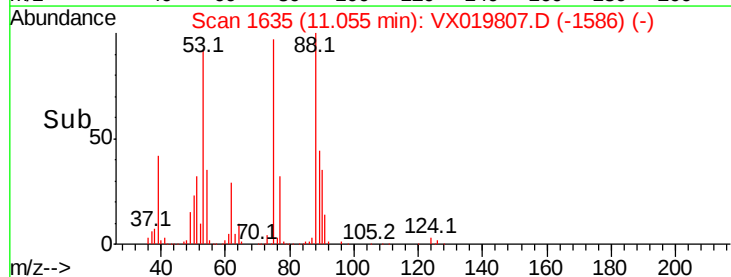
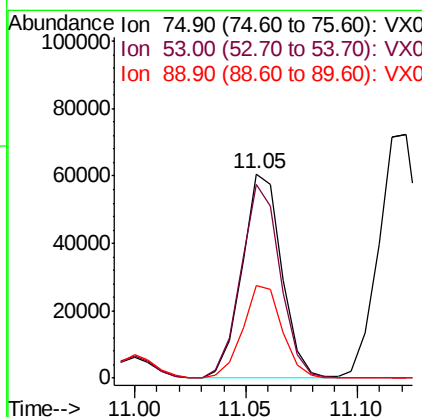
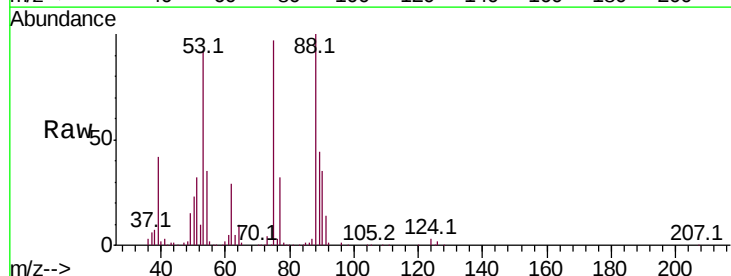
Instrument :
 MSVOA_X
 ClientSampleId :
 TU032-32-5226-120820MS

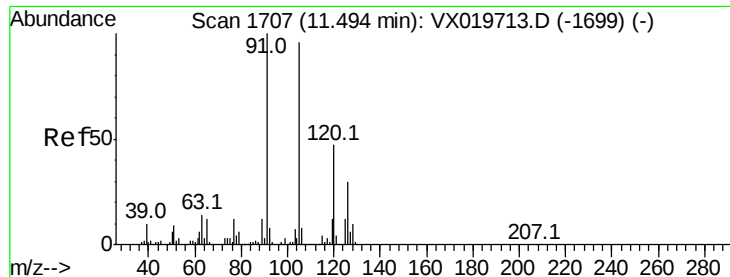
Tot Ion:105 Resp: 606305
 Ion Ratio Lower Upper
 105 100
 120 48.4 23.8 71.5



#81
 trans-1,4-Dichloro-2-butene
 Concen: 47.754 ug/l
 RT: 11.05 min Scan# 1635
 Delta R.T. -0.00 min
 Lab File: VX019807.D
 Acq: 10 Dec 2020 03:48

Tgt Ion: 75 Resp: 74856
 Ion Ratio Lower Upper
 75 100
 53 94.2 74.5 111.7
 89 45.6 37.9 56.9

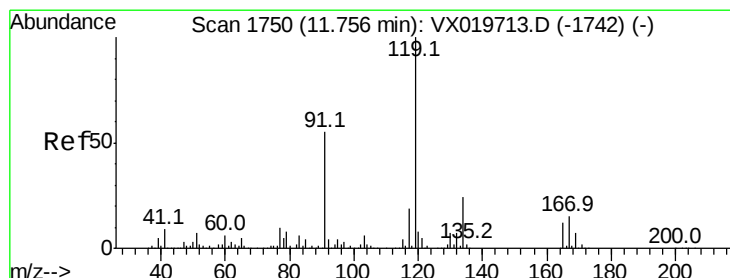
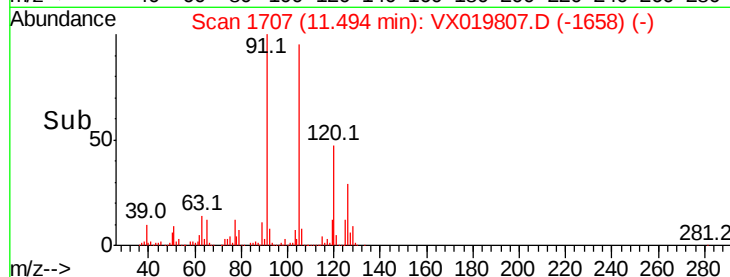
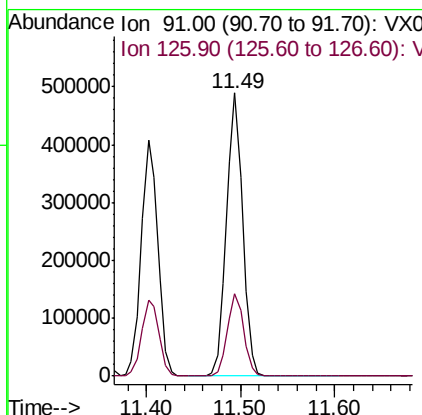
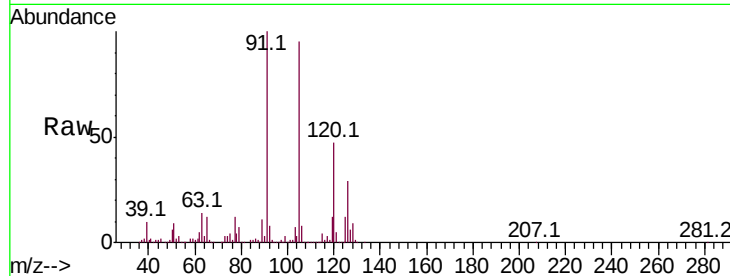




#82
4-Chlorotoluene
Concen: 51.522 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VX019807.D
Acq: 10 Dec 2020 03:48

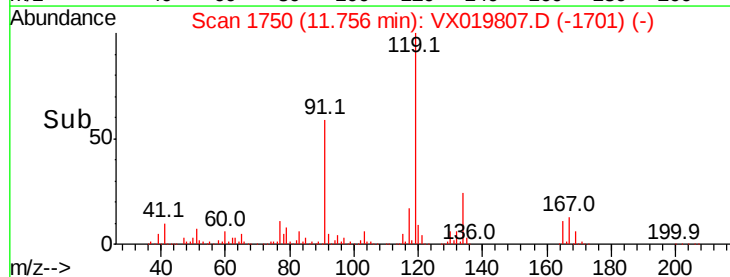
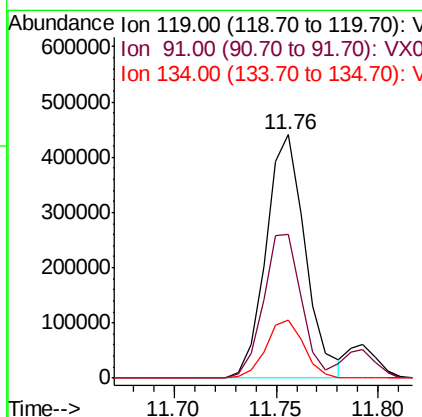
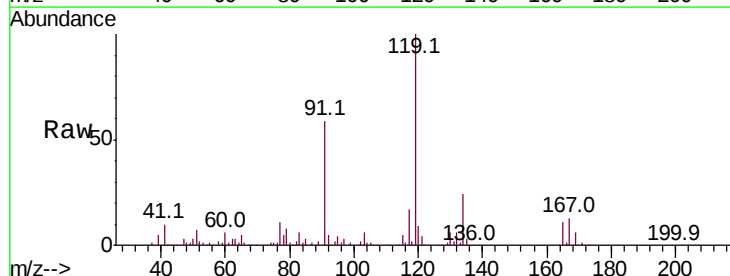
Instrument :
MSVOA_X
ClientSampleId :
TU032-32-5226-120820MS

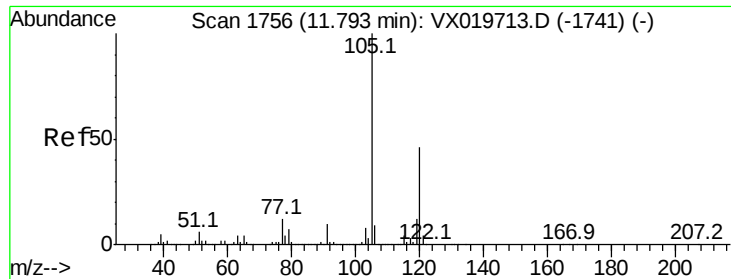
Tot Ion: 91 Resp: 585848
Ion Ratio Lower Upper
91 100
126 29.5 14.9 44.5



#83
tert-Butylbenzene
Concen: 51.559 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VX019807.D
Acq: 10 Dec 2020 03:48

Tgt Ion: 119 Resp: 589095
Ion Ratio Lower Upper
119 100
91 57.2 27.9 83.7
134 22.9 11.3 33.9

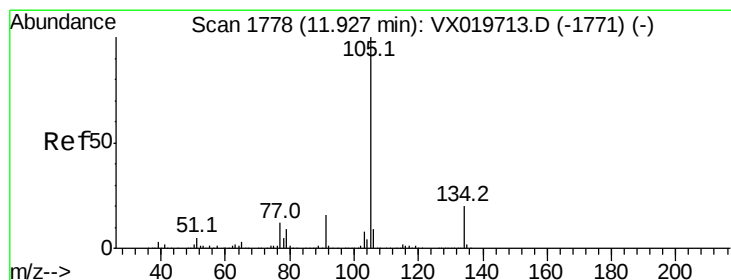
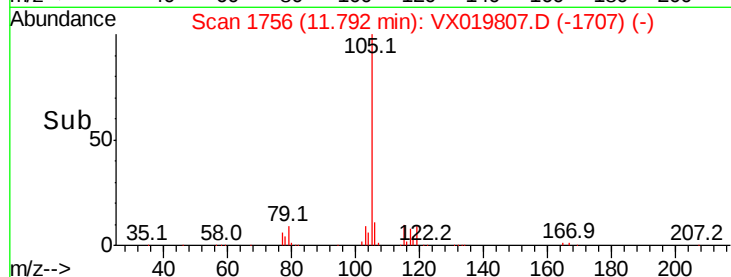
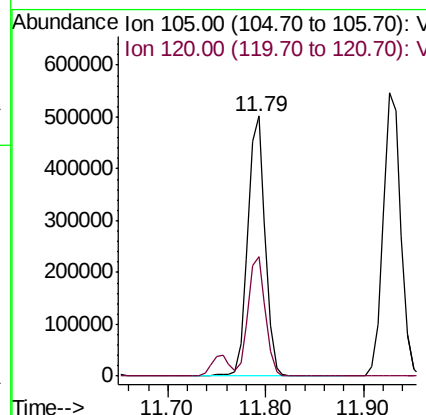
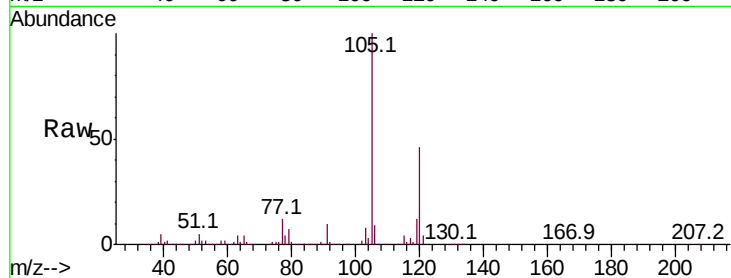




#84
 1,2,4-Trimethylbenzene
 Concen: 52.405 ug/l
 RT: 11.79 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VX019807.D
 Acq: 10 Dec 2020 03:48

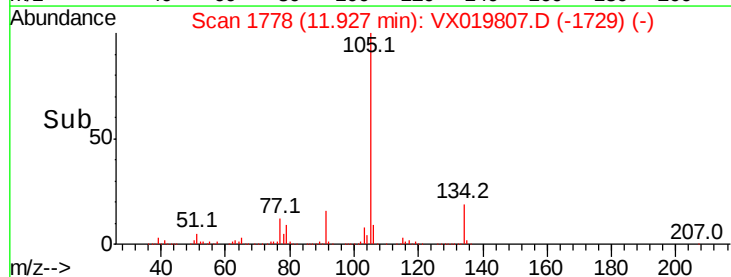
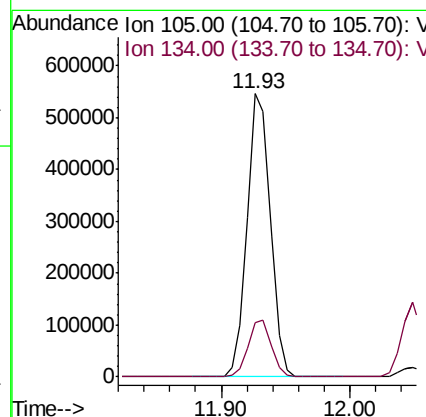
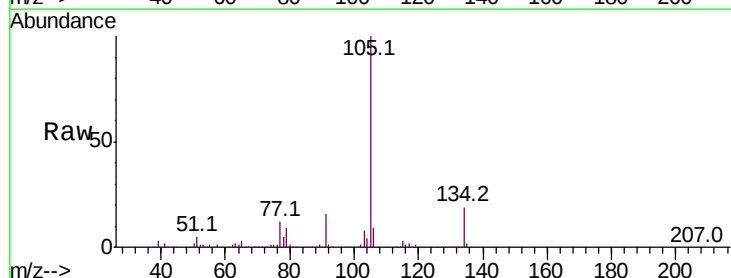
Instrument :
 MSVOA_X
 ClientSampleId :
 TU032-32-5226-120820MS

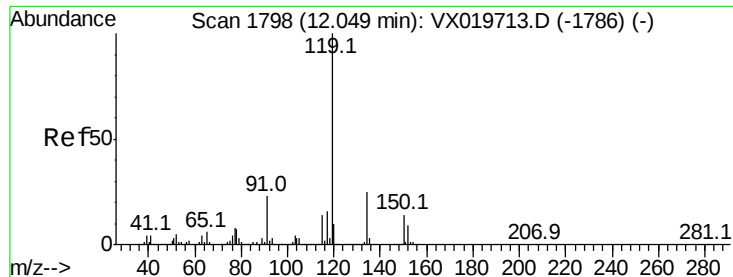
Tot Ion:105 Resp: 614980
 Ion Ratio Lower Upper
 105 100
 120 45.5 22.4 67.3



#85
 sec-Butylbenzene
 Concen: 51.986 ug/l
 RT: 11.93 min Scan# 1778
 Delta R.T. -0.00 min
 Lab File: VX019807.D
 Acq: 10 Dec 2020 03:48

Tgt Ion:105 Resp: 678147
 Ion Ratio Lower Upper
 105 100
 134 20.1 10.0 29.8

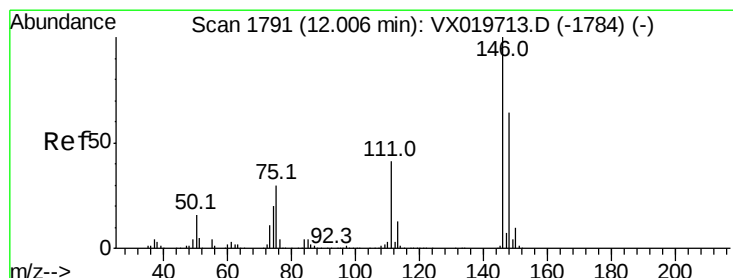
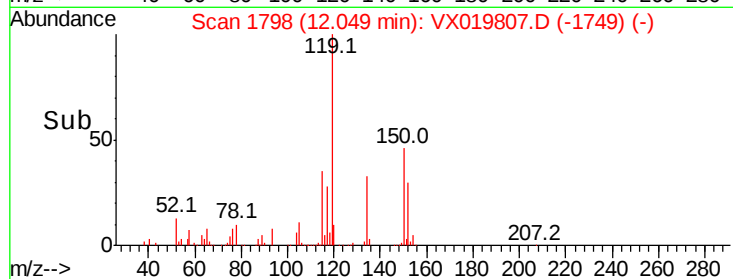
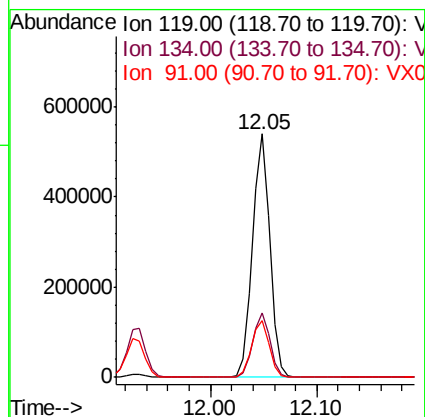
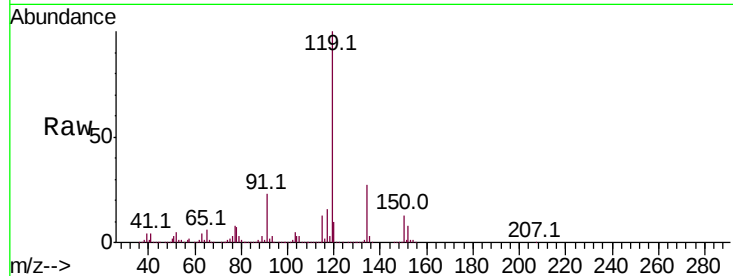




#86
p-Isopropyltoluene
Concen: 51.917 ug/l
RT: 12.05 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VX019807.D
Acq: 10 Dec 2020 03:48

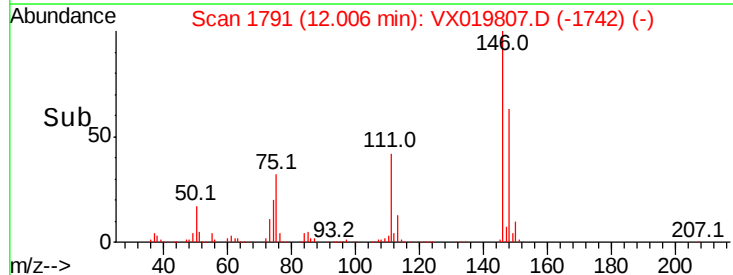
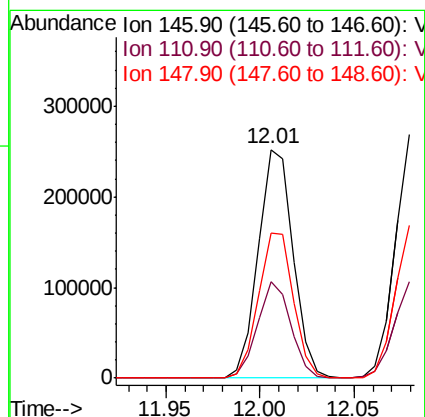
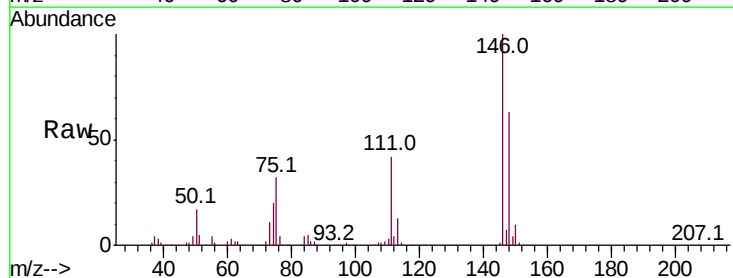
Instrument :
MSVOA_X
ClientSampleId :
TU032-32-5226-120820MS

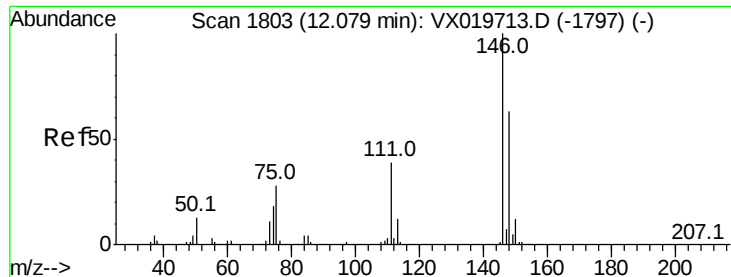
Tot Ion	Ratio	Lower	Upper
119	100		
134	26.2	12.9	38.7
91	23.7	11.7	35.0



#87
1,3-Dichlorobenzene
Concen: 49.942 ug/l
RT: 12.01 min Scan# 1791
Delta R.T. -0.00 min
Lab File: VX019807.D
Acq: 10 Dec 2020 03:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.2	60.5
148	64.0	31.9	95.7

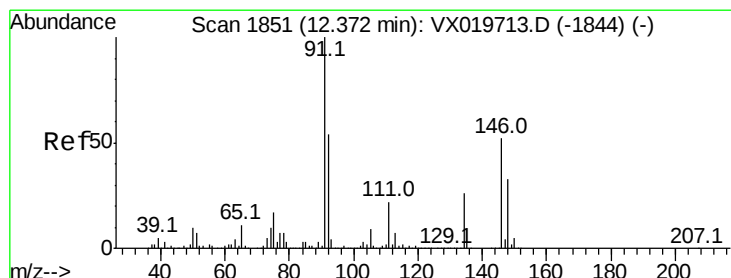
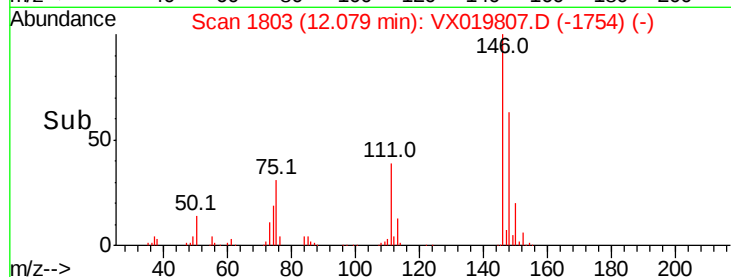
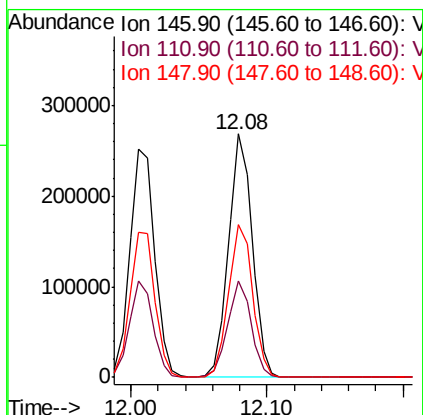
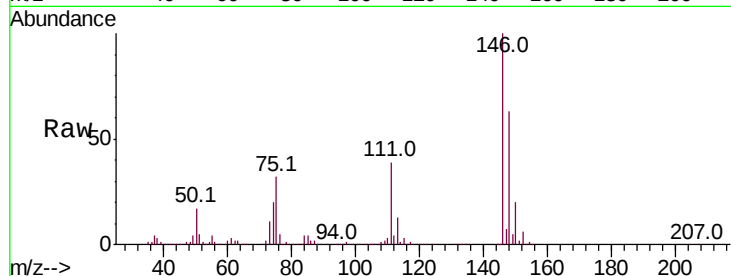




#88
1,4-Dichlorobenzene
Concen: 49.275 ug/l
RT: 12.08 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VX019807.D
Acq: 10 Dec 2020 03:48

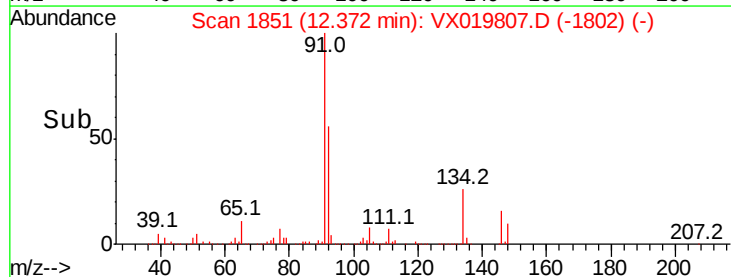
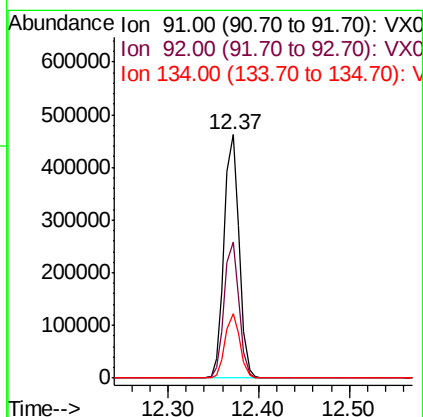
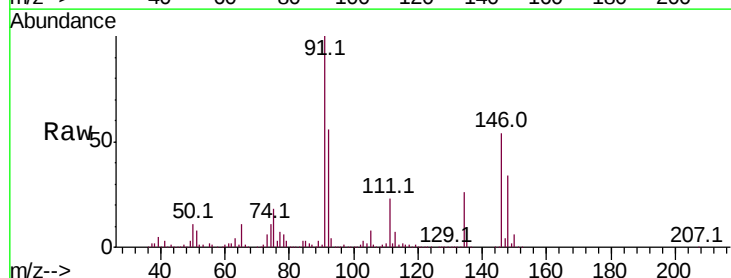
Instrument :
MSVOA_X
ClientSampleId :
TU032-32-5226-120820MS

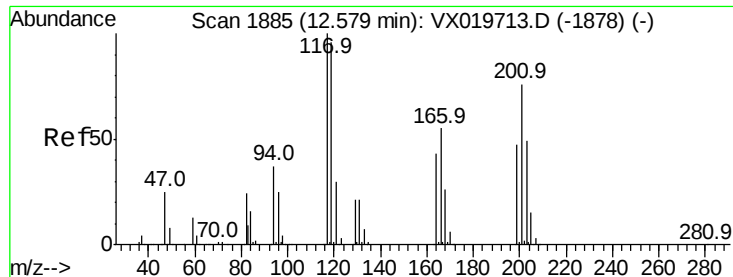
Tot Ion:146 Resp: 325385
Ion Ratio Lower Upper
146 100
111 39.3 19.6 58.8
148 63.7 31.6 95.0



#89
n-Butylbenzene
Concen: 50.463 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX019807.D
Acq: 10 Dec 2020 03:48

Tgt Ion: 91 Resp: 534503
Ion Ratio Lower Upper
91 100
92 55.0 27.4 82.0
134 25.9 13.2 39.5





#90

Hexachloroethane

Concen: 51.470 ug/l

RT: 12.58 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX019807.D

Acq: 10 Dec 2020 03:48

Instrument :

MSVOA_X

ClientSampleId :

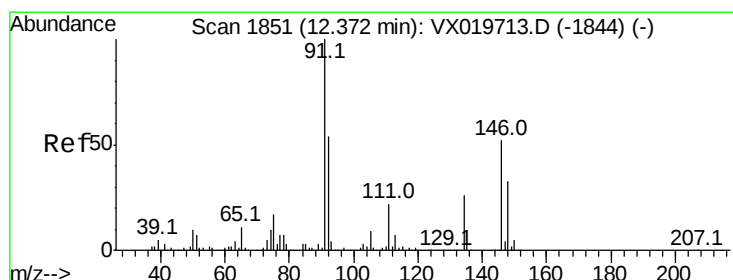
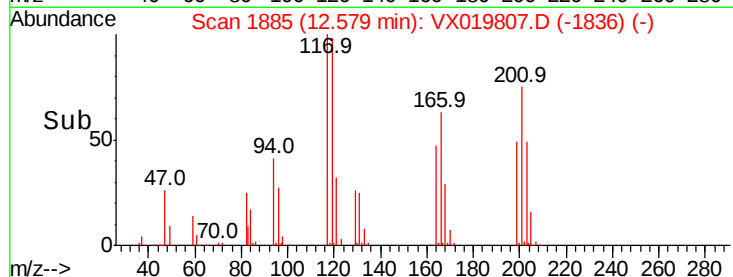
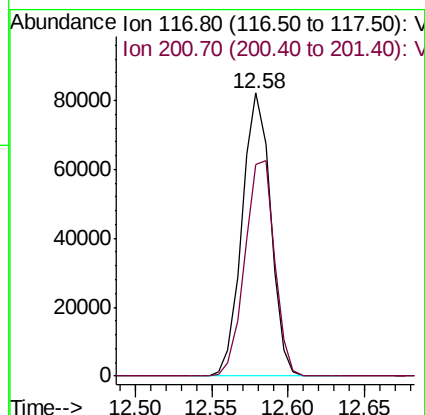
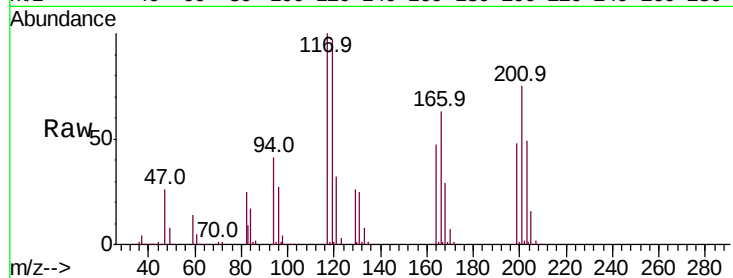
TU032-32-5226-120820MS

Tot Ion:117 Resp: 106236

Ion Ratio Lower Upper

117 100

201 79.1 40.4 121.2



#91

1,2-Dichlorobenzene

Concen: 50.695 ug/l

RT: 12.37 min Scan# 1851

Delta R.T. -0.00 min

Lab File: VX019807.D

Acq: 10 Dec 2020 03:48

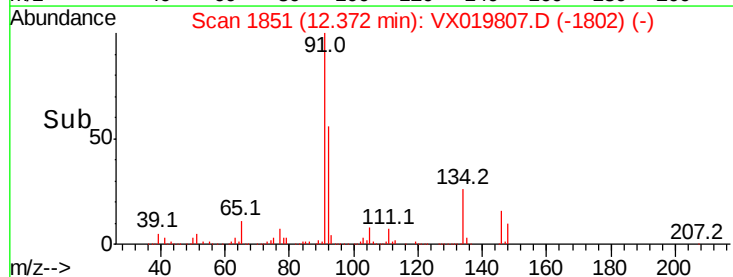
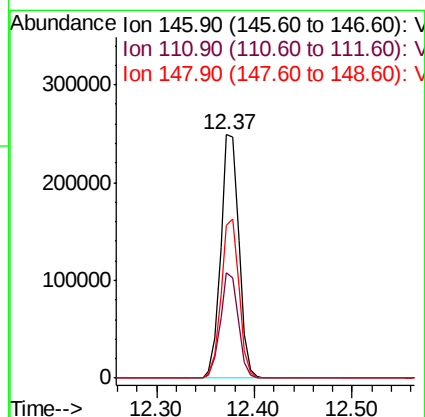
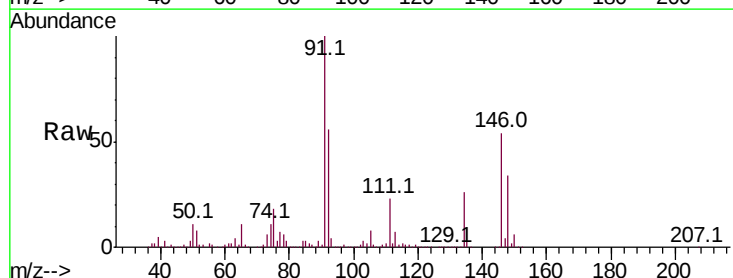
Tgt Ion:146 Resp: 320401

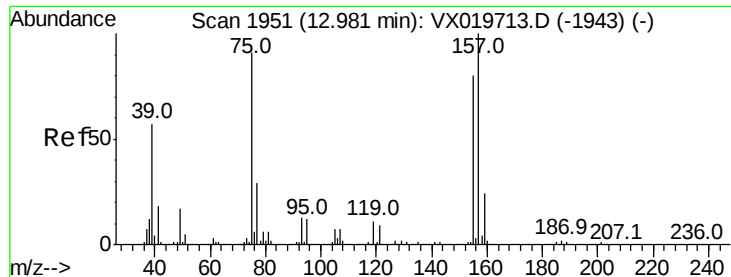
Ion Ratio Lower Upper

146 100

111 42.3 20.8 62.2

148 64.3 31.9 95.5

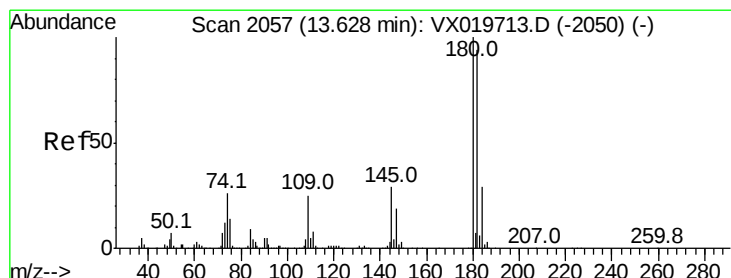
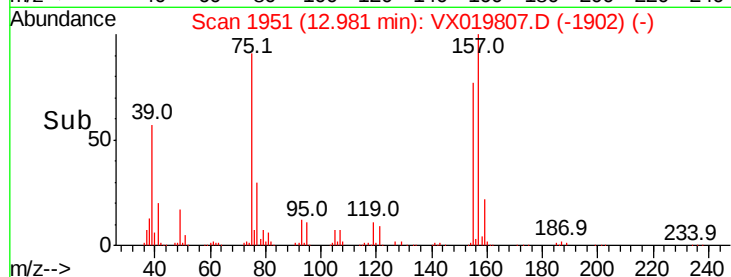
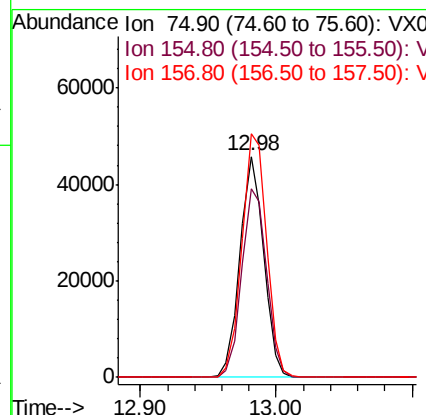
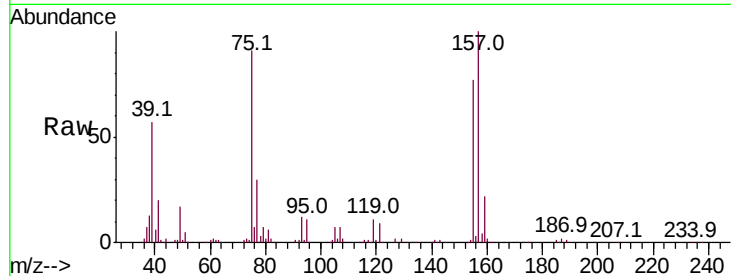




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.300 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VX019807.D
 Acq: 10 Dec 2020 03:48

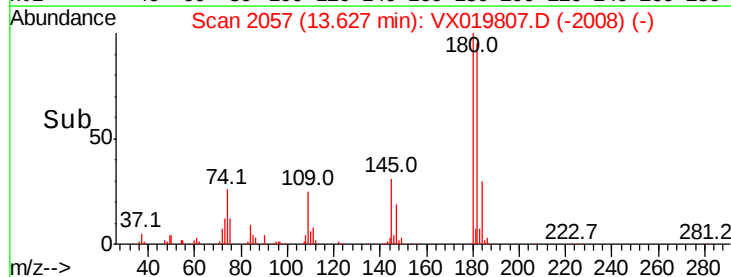
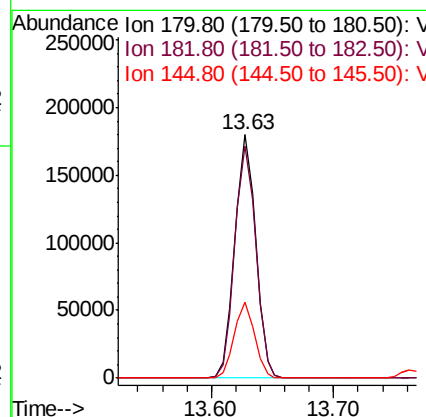
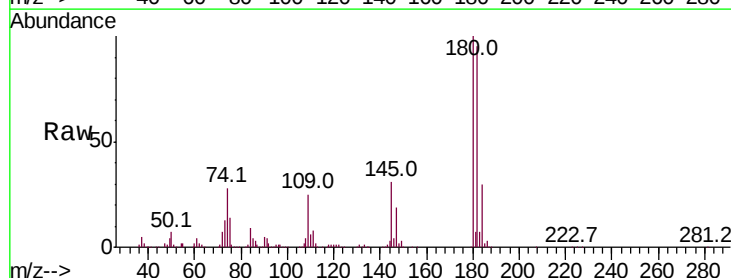
Instrument :
 MSVOA_X
 ClientSampleId :
 TU032-32-5226-120820MS

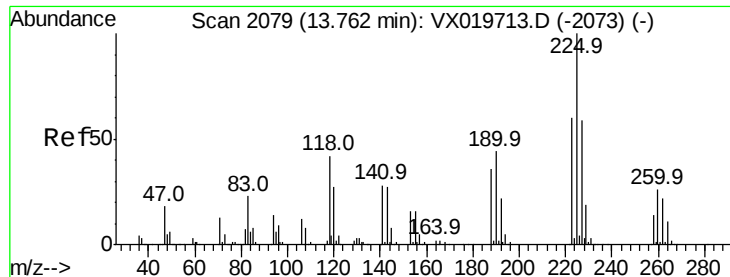
Tot Ion: 75 Resp: 55763
 Ion Ratio Lower Upper
 75 100
 155 89.1 45.3 135.9
 157 114.0 57.7 173.1



#93
 1,2,4-Trichlorobenzene
 Concen: 51.430 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX019807.D
 Acq: 10 Dec 2020 03:48

Tgt Ion: 180 Resp: 211592
 Ion Ratio Lower Upper
 180 100
 182 96.2 47.7 143.1
 145 30.6 15.0 45.0





#94

Hexachlorobutadiene

Concen: 46.960 ug/l

RT: 13.76 min Scan# 2079

Delta R.T. -0.00 min

Lab File: VX019807.D

Acq: 10 Dec 2020 03:48

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-5226-120820MS

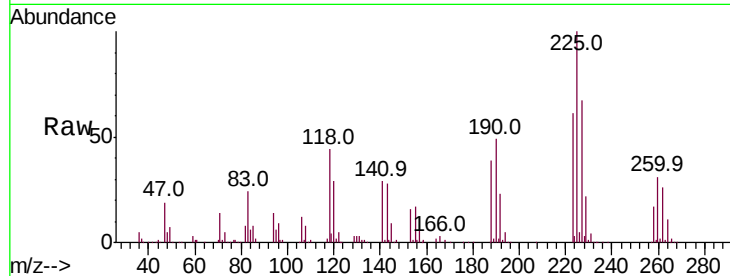
Tot Ion:225 Resp: 86352

Ion Ratio Lower Upper

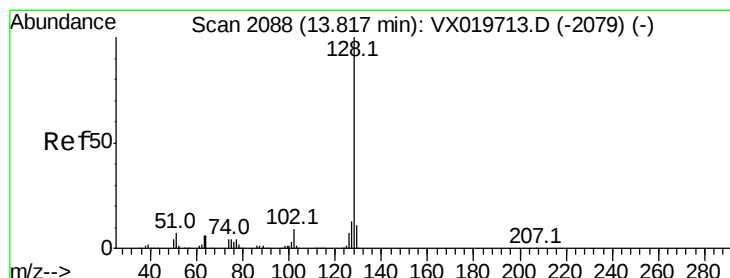
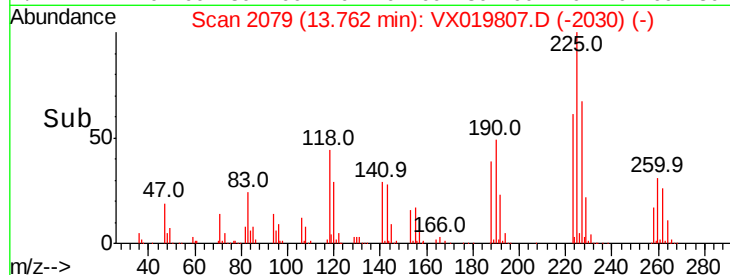
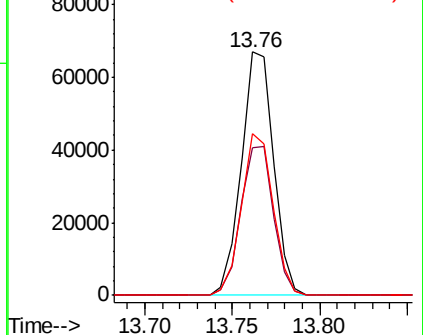
225 100

223 62.1 31.1 93.2

227 65.2 31.6 95.0



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 53.551 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX019807.D

Acq: 10 Dec 2020 03:48

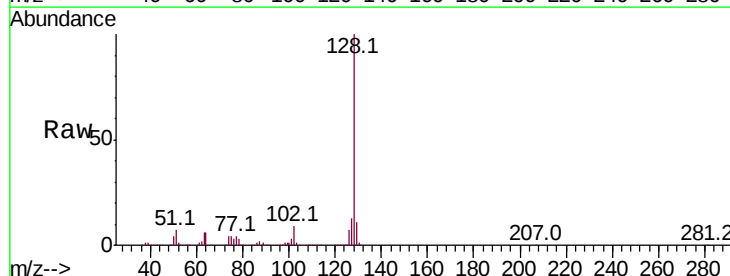
Tgt Ion:128 Resp: 714267

Ion Ratio Lower Upper

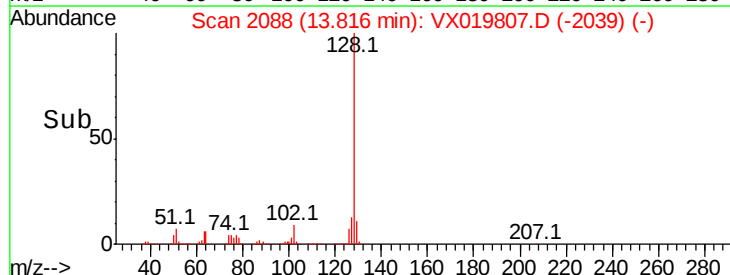
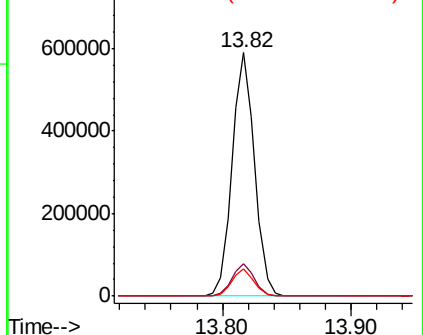
128 100

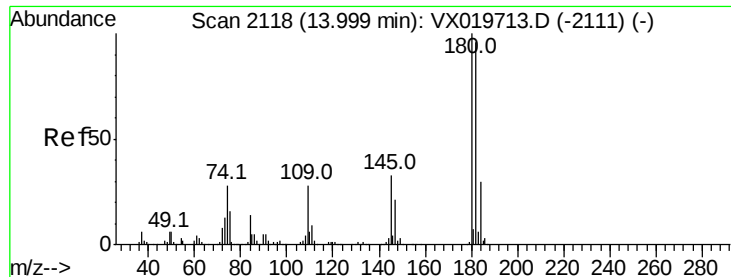
127 13.0 10.3 15.5

129 11.0 8.8 13.2



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

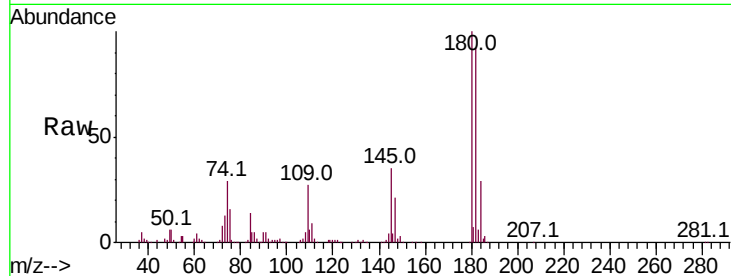




#96
 1,2,3-Trichlorobenzene
 Concen: 51.133 ug/l
 RT: 14.00 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VX019807.D
 Acq: 10 Dec 2020 03:48

Instrument :
 MSVOA_X
 ClientSampleId :
 TU032-32-5226-120820MS

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.6	142.9
145	32.8	16.1	48.3



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

