

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110520\
 Data File : VX019273.D
 Acq On : 04 Nov 2020 15:51
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050413

Quant Time: Nov 04 16:41:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SFAMXLM110220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 04 01:20:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.82	114	396472	50.00	ug/L	0.00
28) Chlorobenzene-d5	10.09	117	364934	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.06	152	187768	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	141824	41.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.10%
7) Chloroethane-d5	1.69	69	117229	46.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.52%
11) 1,1-Dichloroethene-d2	2.34	63	258303	45.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.74%
21) 2-Butanone-d5	4.53	46	191792	110.14	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.14%
24) Chloroform-d	5.14	84	261388	47.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.04%
26) 1,2-Dichloroethane-d4	6.03	65	177048	44.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.66%
32) Benzene-d6	6.04	84	531135	46.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.76%
36) 1,2-Dichloropropane-d6	7.37	67	163551	48.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.80%
41) Toluene-d8	8.70	98	482855	41.98	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.96%
43) trans-1,3-Dichloropropene-	8.99	79	82544	46.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.06%
47) 2-Hexanone-d5	9.42	63	152288	110.22	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.22%
56) 1,1,2,2-Tetrachloroethane-	11.23	84	227167	57.57	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	115.14%
66) 1,2-Dichlorobenzene-d4	12.36	152	186188	49.39	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.78%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	132601	52.767	ug/L 99
3) Chloromethane	1.31	50	131552	51.532	ug/L 99
5) Vinyl chloride	1.39	62	153188	53.236	ug/L 99
6) Bromomethane	1.64	94	101295	53.270	ug/L 99
8) Chloroethane	1.71	64	99907	55.711	ug/L 100
9) Trichlorofluoromethane	1.92	101	234792	54.998	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.37	101	136584	55.472	ug/L 98
12) 1,1-Dichloroethene	2.36	96	127032	53.166	ug/L 100
13) Acetone	2.42	43	115525	107.352	ug/L 98
14) Carbon disulfide	2.55	76	365592	50.701	ug/L 100
15) Methyl Acetate	2.75	43	130542	55.586	ug/L 99
16) Methylene chloride	2.83	84	142982	53.664	ug/L 99
17) trans-1,2-Dichloroethene	3.14	96	138258	53.826	ug/L 99
18) Methyl tert-butyl Ether	3.16	73	442055	54.441	ug/L 100
19) 1,1-Dichloroethane	3.67	63	248492	54.445	ug/L 99
20) cis-1,2-Dichloroethene	4.56	96	151155	53.577	ug/L 97
22) 2-Butanone	4.63	43	186621	109.808	ug/L 99

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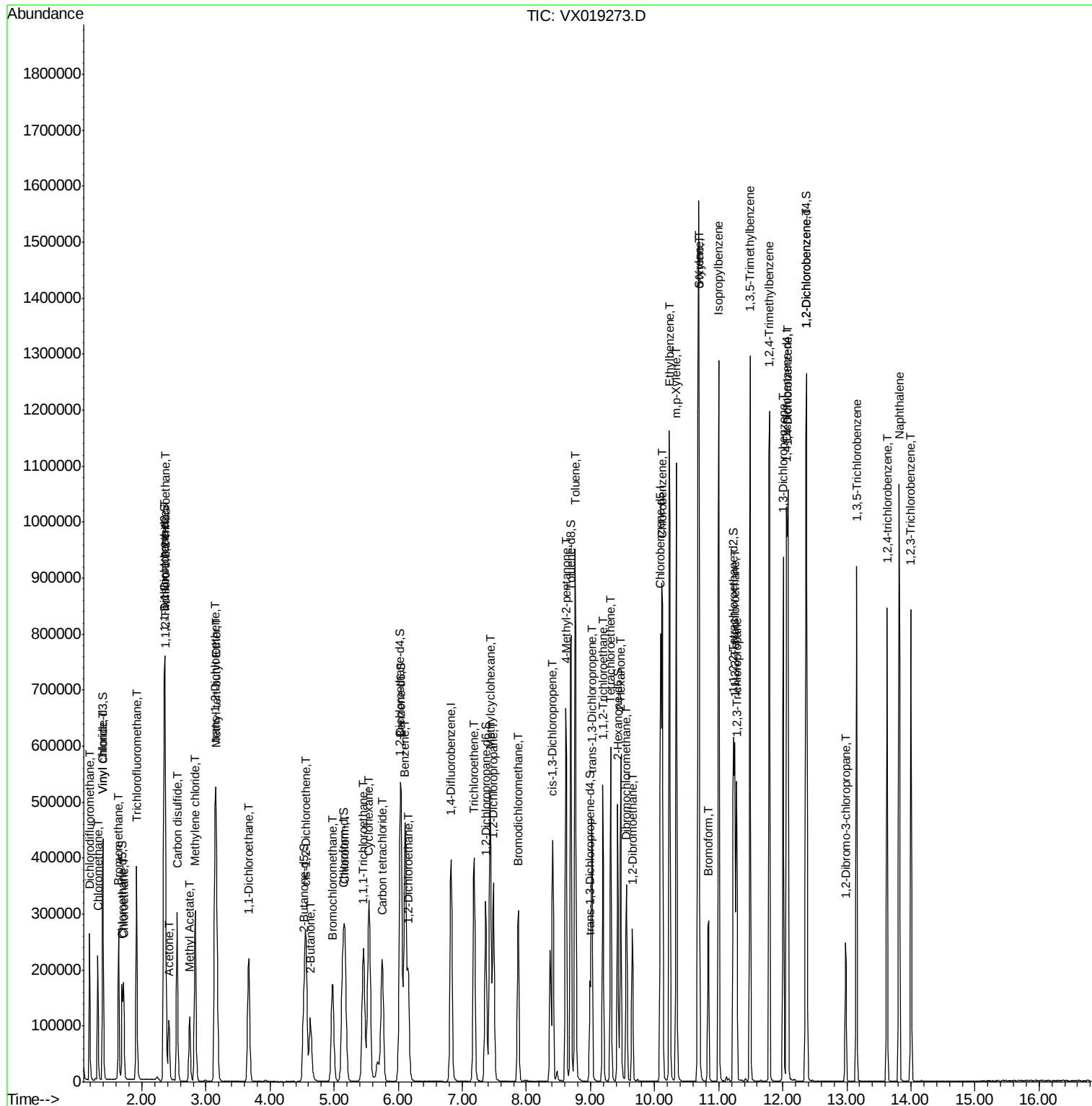
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.98	128	75271	52.975	ug/L	91
25) Chloroform	5.17	83	273558	57.100	ug/L	97
27) 1,2-Dichloroethane	6.15	62	207373	54.976	ug/L	100
29) Cyclohexane	5.54	56	225330	53.641	ug/L	100
30) 1,1,1-Trichloroethane	5.46	97	236673	53.798	ug/L	100
31) Carbon tetrachloride	5.75	117	200446	53.033	ug/L	100
33) Benzene	6.11	78	572933	54.681	ug/L	100
34) Trichloroethene	7.18	95	152002	53.156	ug/L	99
35) Methylcyclohexane	7.43	83	240429	53.119	ug/L	99
37) 1,2-Dichloropropane	7.49	63	141706	54.452	ug/L	100
38) Bromodichloromethane	7.87	83	192744	53.256	ug/L	99
39) cis-1,3-Dichloropropene	8.41	75	230110	53.220	ug/L	99
40) 4-Methyl-2-pentanone	8.62	43	363395	114.177	ug/L	100
42) Toluene	8.76	91	614953	53.957	ug/L	99
44) trans-1,3-Dichloropropene	9.02	75	222963	52.931	ug/L	99
45) 1,1,2-Trichloroethane	9.20	97	138553	54.195	ug/L	99
46) Tetrachloroethene	9.32	164	112231	52.020	ug/L	97
48) 2-Hexanone	9.47	43	283401	113.000	ug/L	100
49) Dibromochloromethane	9.56	129	148662	53.160	ug/L	99
50) 1,2-Dibromoethane	9.65	107	145622	54.462	ug/L	96
51) Chlorobenzene	10.12	112	382790	54.011	ug/L	99
52) Ethylbenzene	10.23	91	673159	54.636	ug/L	99
53) m,p-Xylene	10.34	106	255417	55.183	ug/L	98
54) o-Xylene	10.68	106	246690	55.046	ug/L	98
55) Styrene	10.70	104	427212	56.507	ug/L	99
57) 1,1,2,2-Tetrachloroethane	11.25	83	212454	60.627	ug/L	99
59) Bromoform	10.84	173	103630	50.950	ug/L	99
60) Isopropylbenzene	11.00	105	666124	52.272	ug/L	99
61) 1,2,3-Trichloropropane	11.28	75	174694	54.620	ug/L	99
62) 1,3,5-Trimethylbenzene	11.49	105	548427	52.313	ug/L	100
63) 1,2,4-Trimethylbenzene	11.79	105	525138	52.959	ug/L	100
64) 1,3-Dichlorobenzene	12.01	146	296308	53.856	ug/L	98
65) 1,4-Dichlorobenzene	12.08	146	303514	54.368	ug/L	98
67) 1,2-Dichlorobenzene	12.37	146	288248	54.108	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.98	75	47814	54.893	ug/L	97
69) 1,3,5-Trichlorobenzene	13.15	180	208306	54.061	ug/L	98
70) 1,2,4-trichlorobenzene	13.63	180	187406	52.771	ug/L	98
71) Naphthalene	13.82	128	638255	55.583	ug/L	99
72) 1,2,3-Trichlorobenzene	14.00	180	190344	54.774	ug/L	99

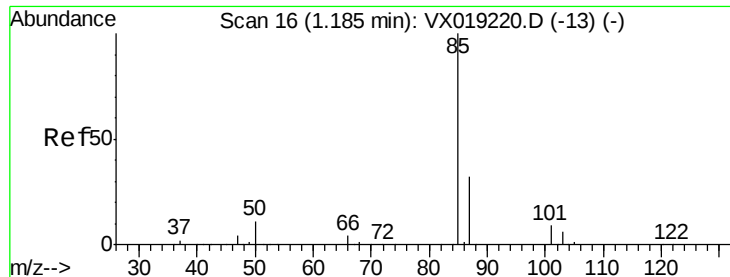
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 52.767 ug/L

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX019273.D

Acq: 04 Nov 2020 15:51

Instrument :

MSVOA_V

ClientSampleId :

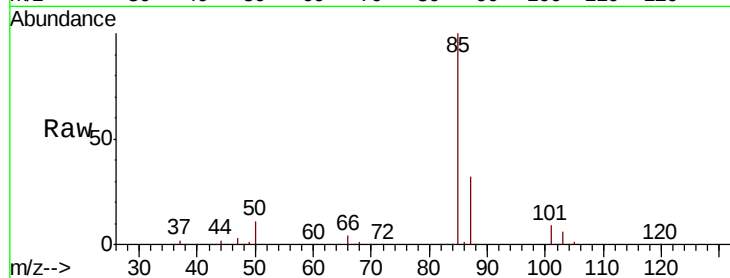
VSTD050413

Tot Ion: 85 Resp: 132601

Ion Ratio Lower Upper

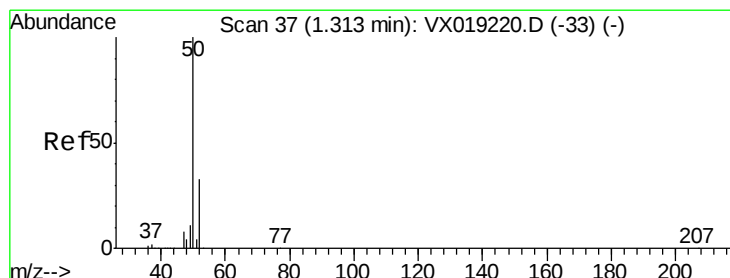
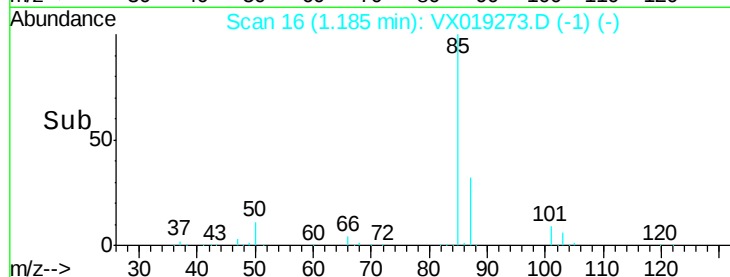
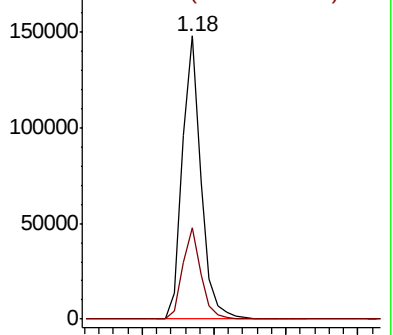
85 100

87 32.0 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#3

Chloromethane

Concen: 51.532 ug/L

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX019273.D

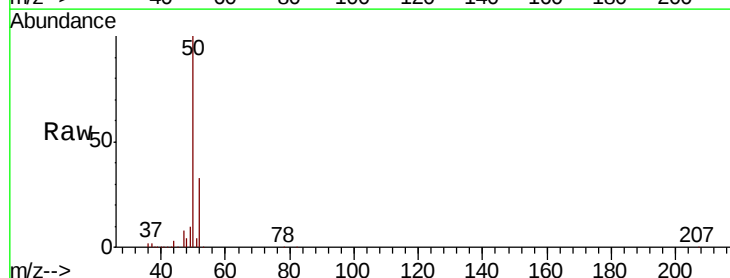
Acq: 04 Nov 2020 15:51

Tgt Ion: 50 Resp: 131552

Ion Ratio Lower Upper

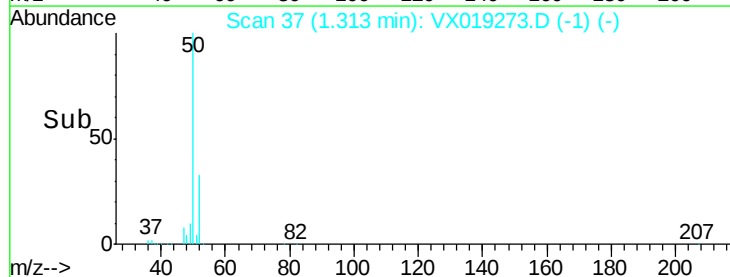
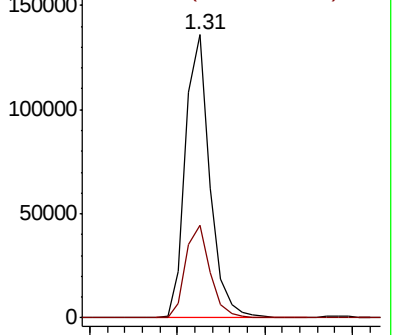
50 100

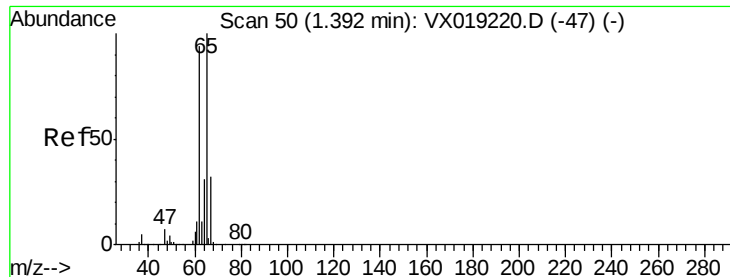
52 32.9 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#5

Vinyl chloride

Concen: 53.236 ug/L

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX019273.D

Acq: 04 Nov 2020 15:51

Instrument :

MSVOA_V

ClientSampleId :

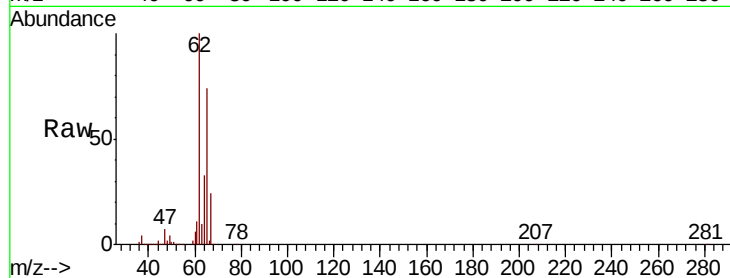
VSTD050413

Tot Ion: 62 Resp: 153188

Ion Ratio Lower Upper

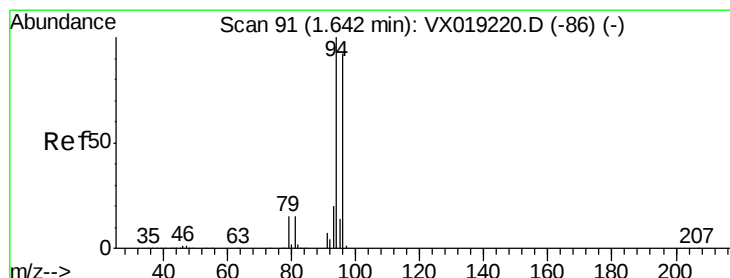
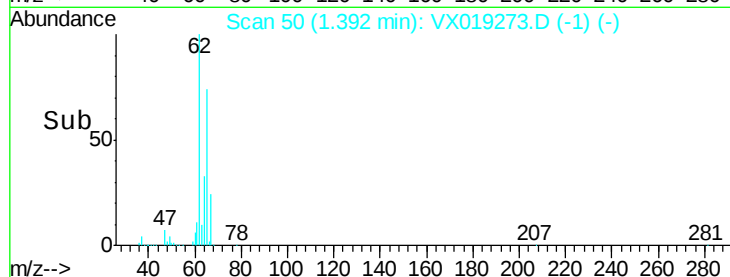
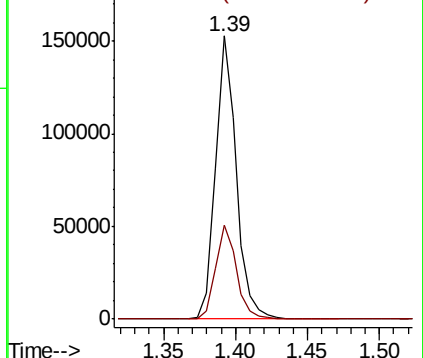
62 100

64 33.0 23.4 43.6



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0



#6

Bromomethane

Concen: 53.270 ug/L

RT: 1.64 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX019273.D

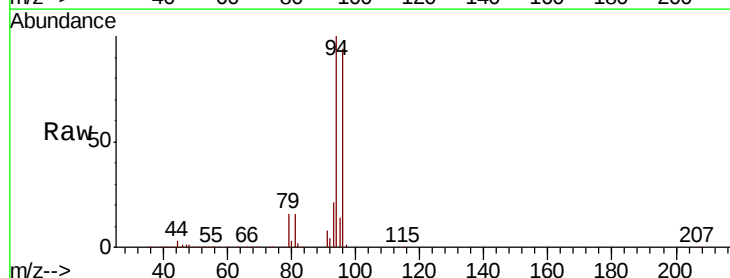
Acq: 04 Nov 2020 15:51

Tgt Ion: 94 Resp: 101295

Ion Ratio Lower Upper

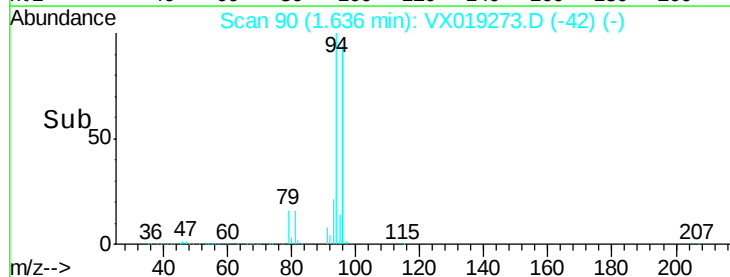
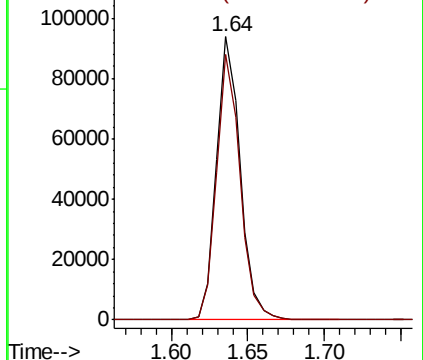
94 100

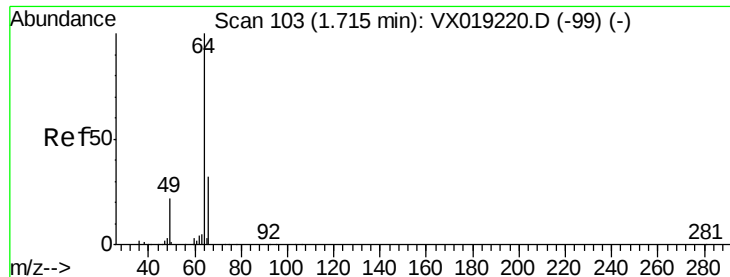
96 93.8 66.0 122.6



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0

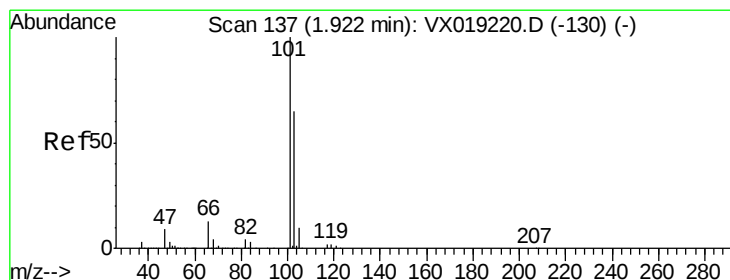
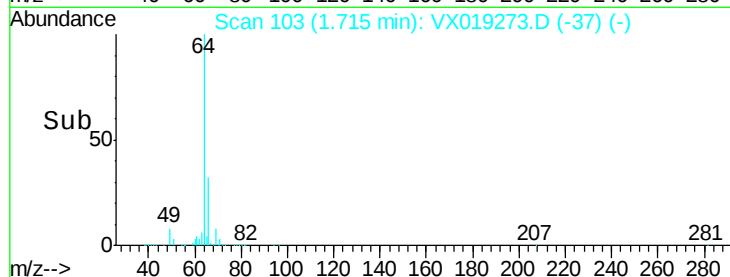
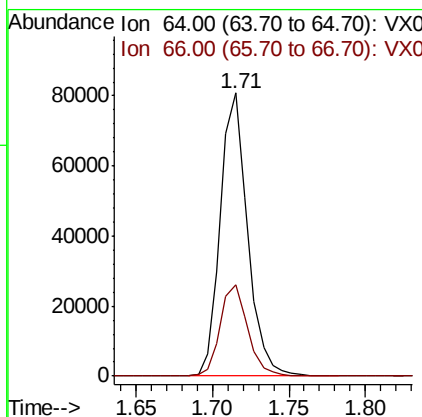
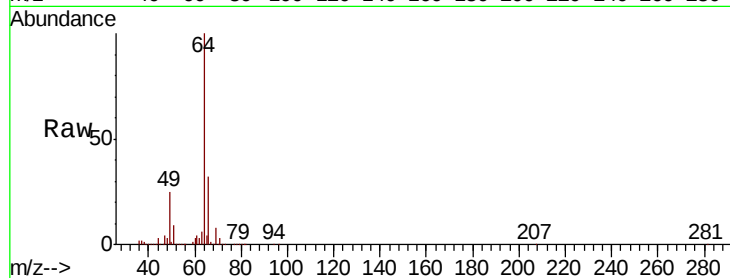




#8
Chloroethane
Concen: 55.711 ug/L
RT: 1.71 min Scan# 103
Delta R.T. -0.00 min
Lab File: VX019273.D
Acq: 04 Nov 2020 15:51

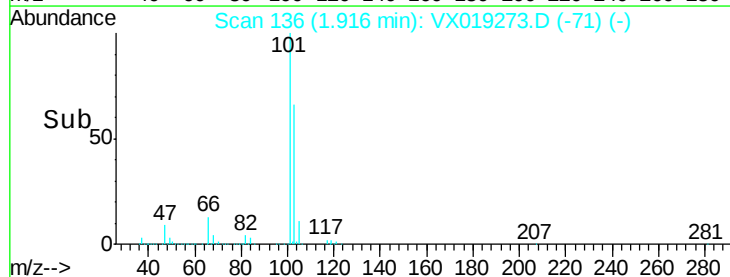
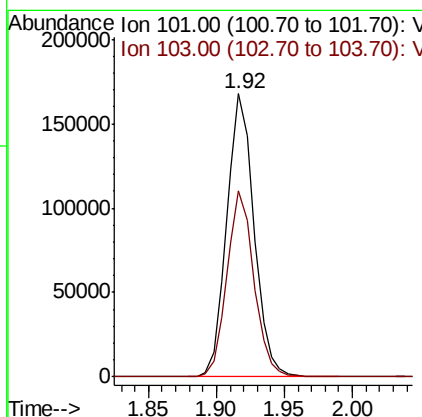
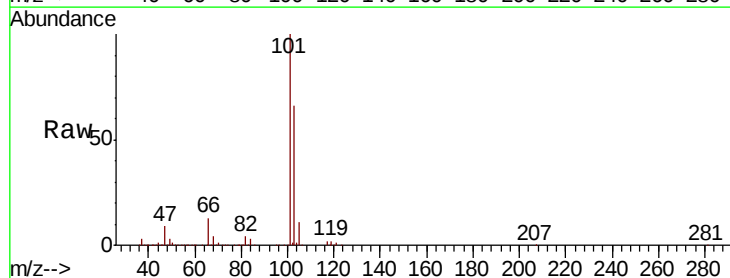
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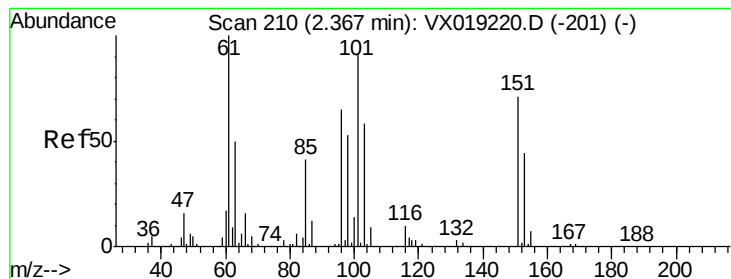
Tot Ion: 64 Resp: 99907
Ion Ratio Lower Upper
64 100
66 32.4 22.5 41.9



#9
Trichlorofluoromethane
Concen: 54.998 ug/L
RT: 1.92 min Scan# 136
Delta R.T. -0.01 min
Lab File: VX019273.D
Acq: 04 Nov 2020 15:51

Tgt Ion: 101 Resp: 234792
Ion Ratio Lower Upper
101 100
103 65.0 51.3 76.9





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 55.472 ug/L

RT: 2.37 min Scan# 210

Delta R.T. -0.00 min

Lab File: VX019273.D

Acq: 04 Nov 2020 15:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD050413

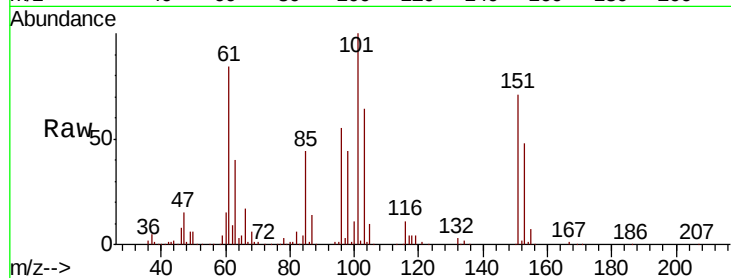
Tot Ion:101 Resp: 136584

Ion Ratio Lower Upper

101 100

85 43.1 35.0 52.4

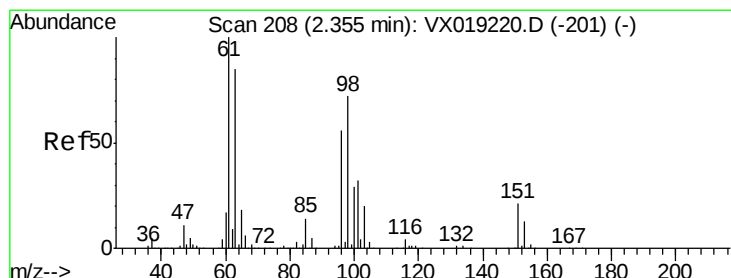
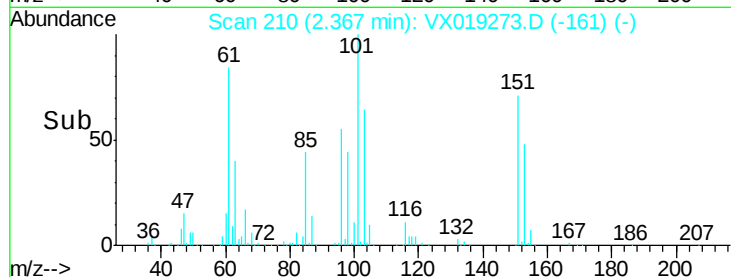
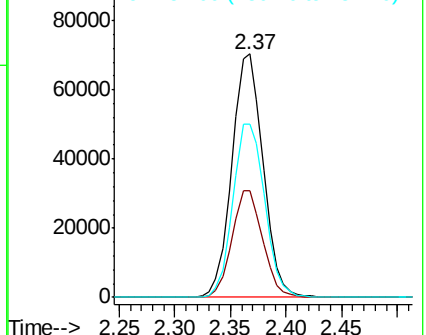
151 72.9 59.9 89.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 53.166 ug/L

RT: 2.36 min Scan# 208

Delta R.T. -0.00 min

Lab File: VX019273.D

Acq: 04 Nov 2020 15:51

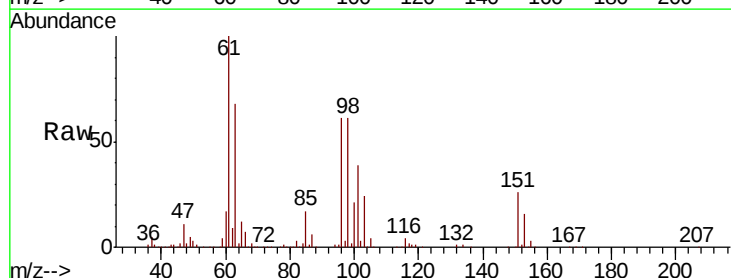
Tgt Ion: 96 Resp: 127032

Ion Ratio Lower Upper

96 100

61 164.2 115.1 213.8

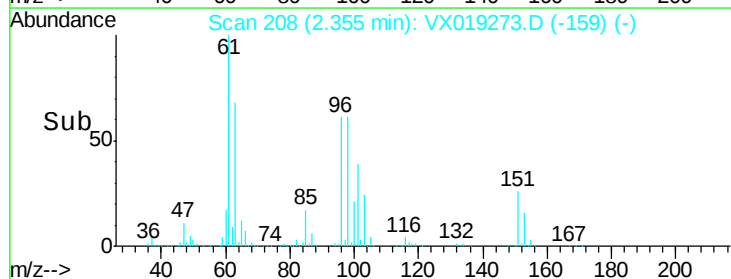
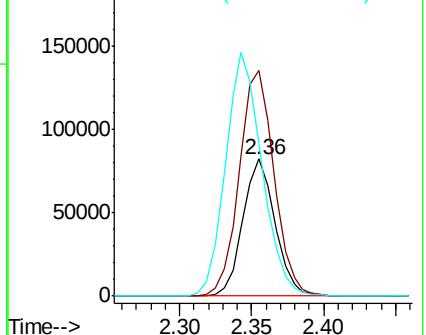
63 111.8 78.3 145.5

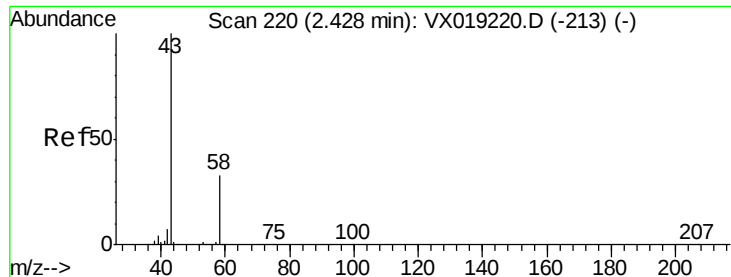


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 63.00 (62.70 to 63.70): VX0





#13

Acetone

Concen: 107.352 ug/L

RT: 2.42 min Scan# 219

Delta R.T. -0.01 min

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Acq: 04 Nov 2020 15:51

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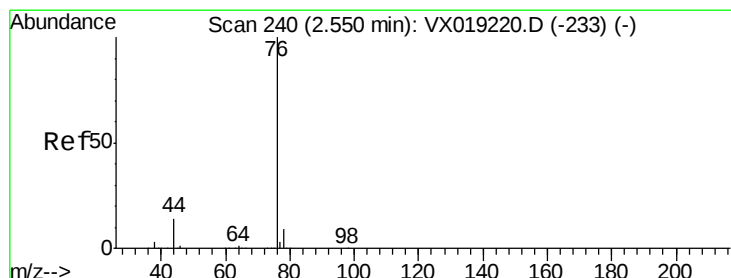
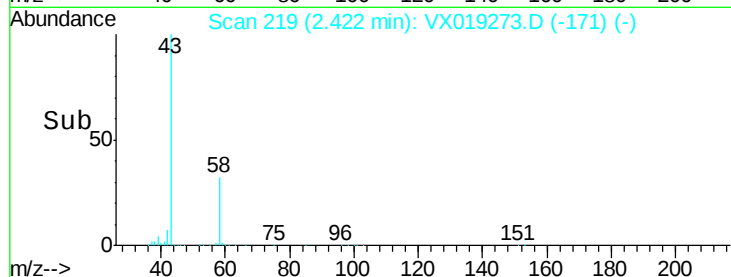
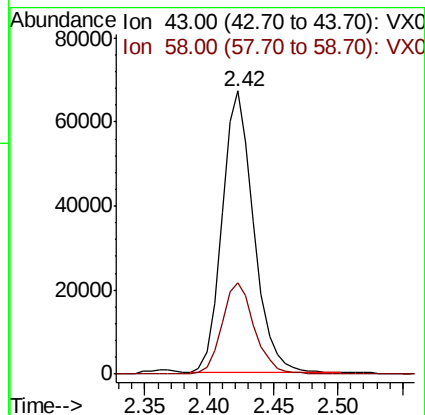
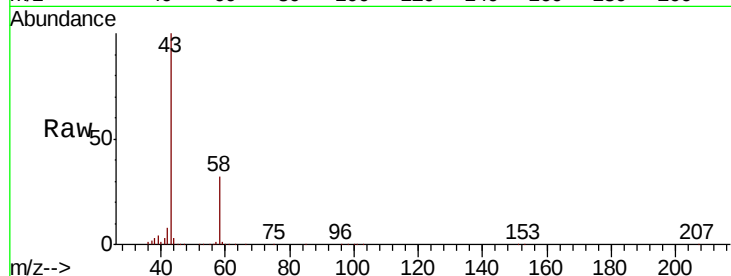
VSTD050413

Tot Ion: 43 Resp: 115525

Ion Ratio Lower Upper

43 100

58 33.3 0.0 64.6



#14

Carbon disulfide

Concen: 50.701 ug/L

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX019273.D

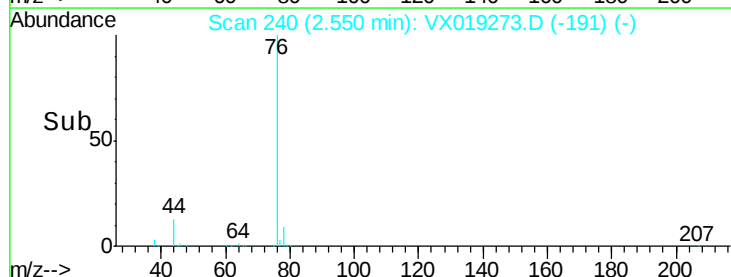
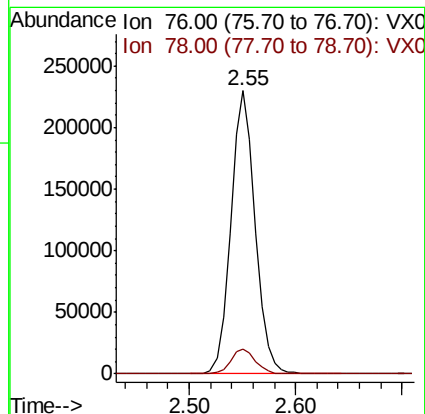
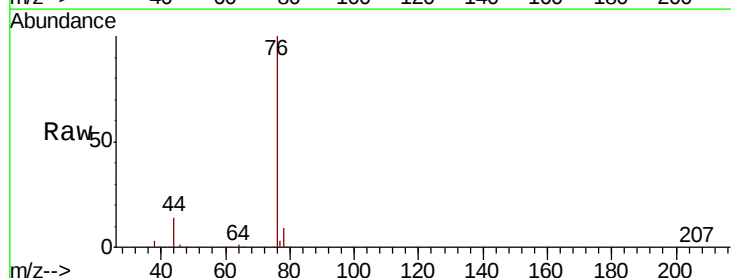
Acq: 04 Nov 2020 15:51

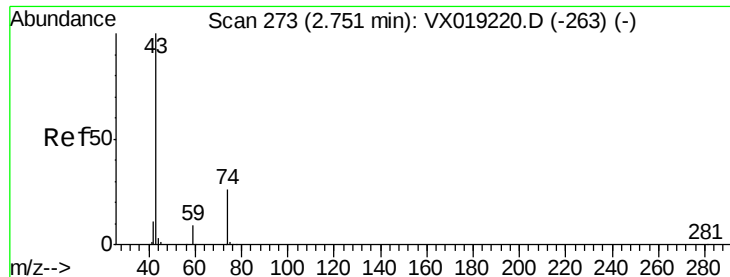
Tgt Ion: 76 Resp: 365592

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7

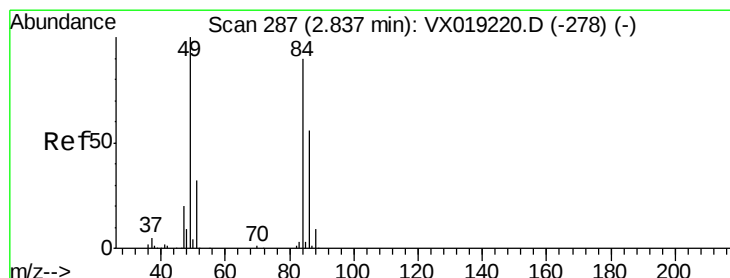
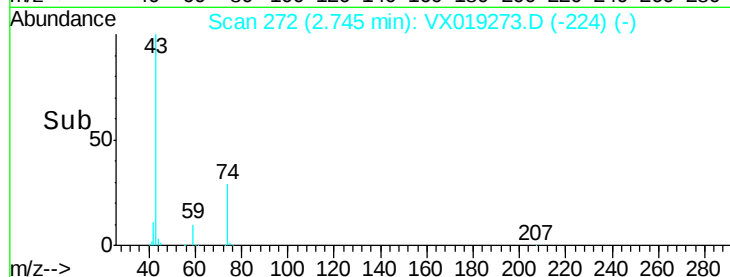
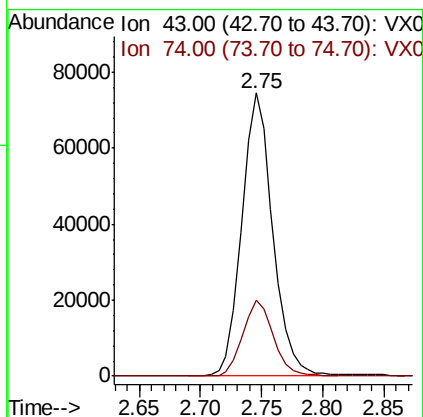
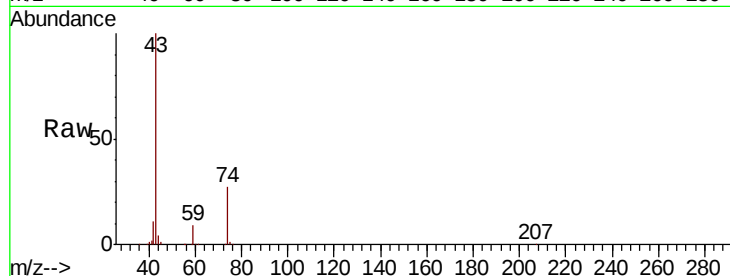




#15
Methyl Acetate
Concen: 55.586 ug/L
RT: 2.75 min Scan# 272
Delta R.T. -0.01 min
Lab File: VX019273.D
Acq: 04 Nov 2020 15:51

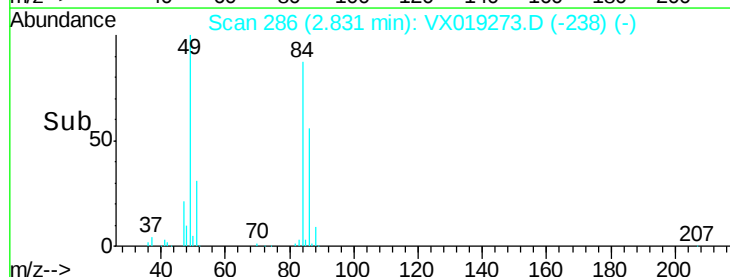
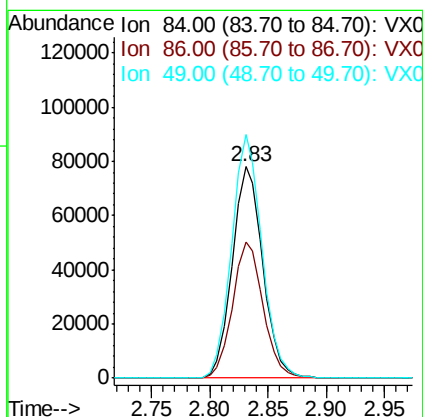
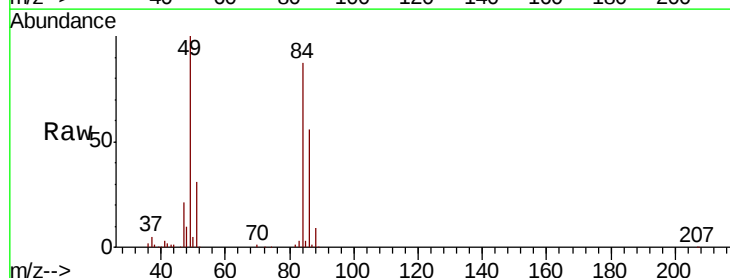
Instrument :
MSVOA_V
ClientSampleId :
VSTD050413

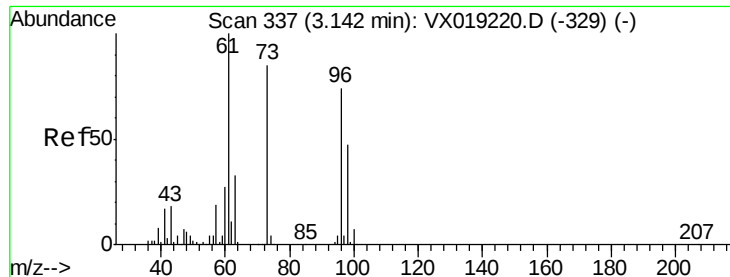
Tot Ion: 43 Resp: 130542
Ion Ratio Lower Upper
43 100
74 26.8 21.8 32.8



#16
Methylene chloride
Concen: 53.664 ug/L
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX019273.D
Acq: 04 Nov 2020 15:51

Tgt Ion: 84 Resp: 142982
Ion Ratio Lower Upper
84 100
86 64.2 44.0 81.6
49 115.2 80.6 149.6





#17

trans-1,2-Dichloroethene

Concen: 53.826 ug/L

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX019273.D

Acq: 04 Nov 2020 15:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD050413

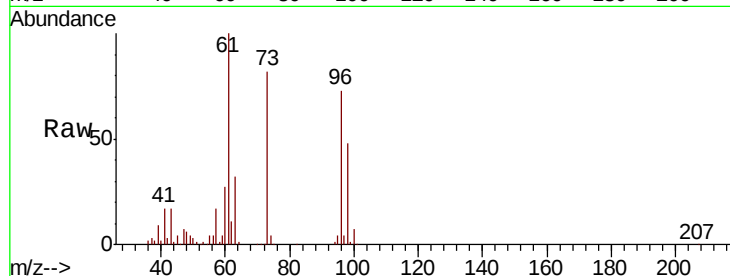
Tot Ion: 96 Resp: 138258

Ion Ratio Lower Upper

96 100

61 136.4 95.7 177.7

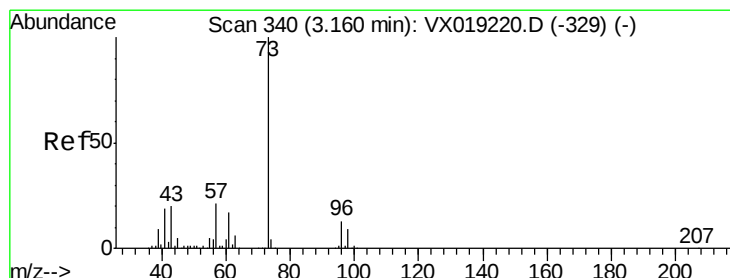
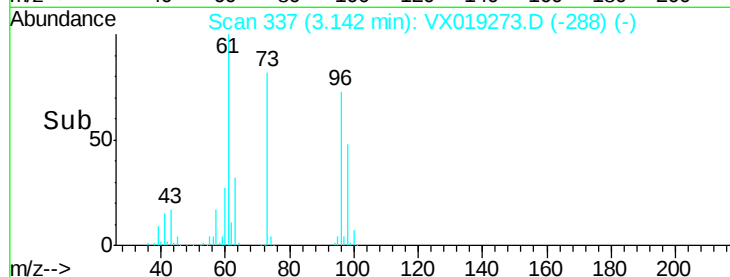
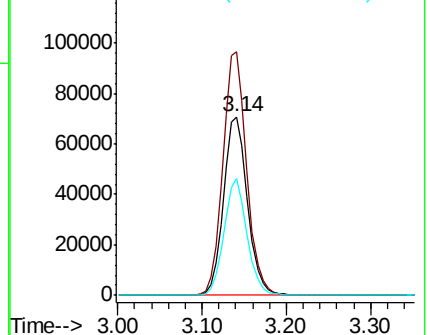
98 65.8 44.2 82.0



Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#18

Methyl tert-butyl Ether

Concen: 54.441 ug/L

RT: 3.16 min Scan# 340

Delta R.T. -0.00 min

Lab File: VX019273.D

Acq: 04 Nov 2020 15:51

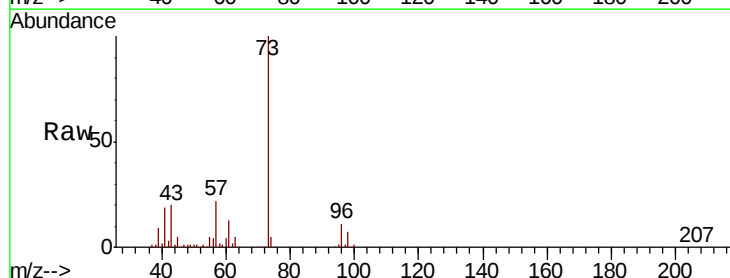
Tgt Ion: 73 Resp: 442055

Ion Ratio Lower Upper

73 100

43 19.7 15.8 23.6

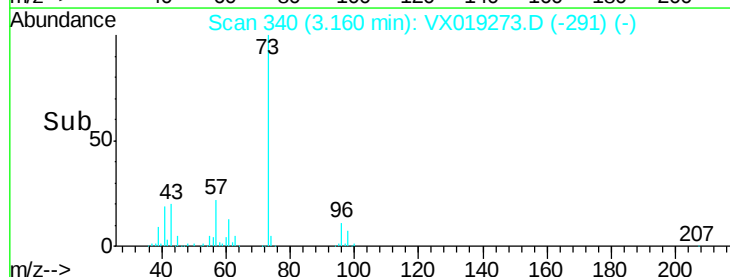
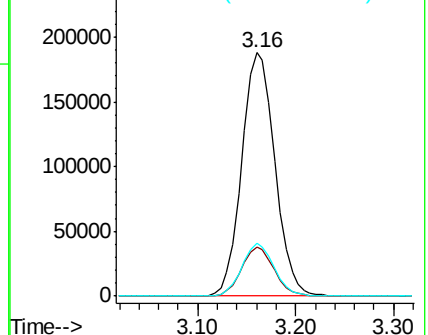
57 21.1 17.0 25.4

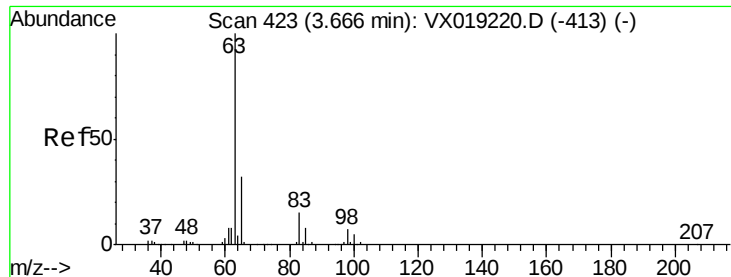


Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

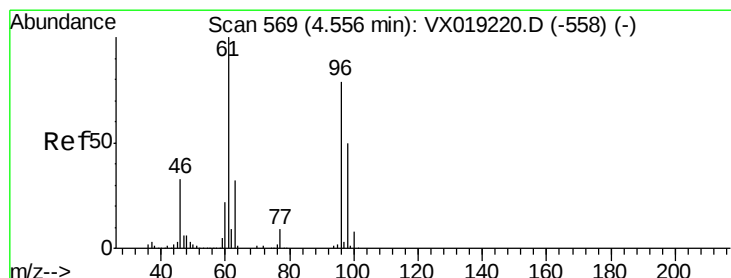
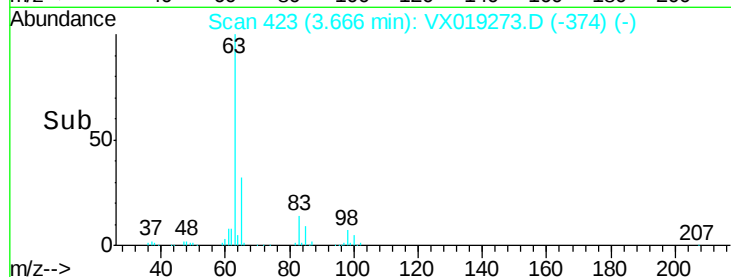
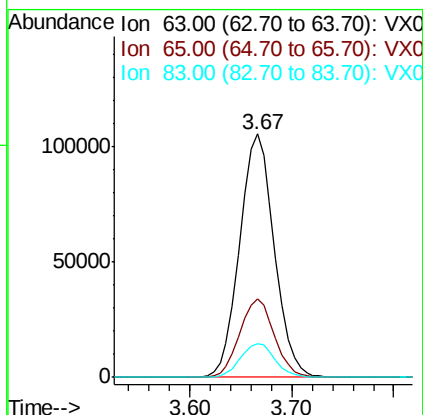
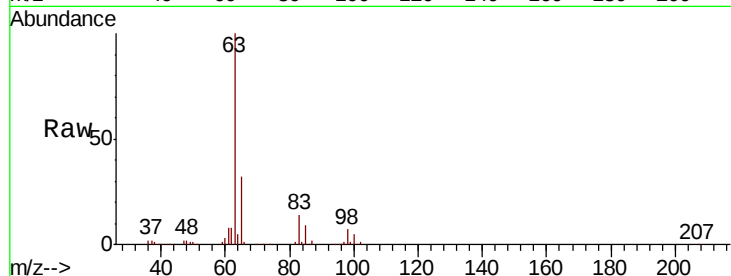




#19
 1,1-Dichloroethane
 Concen: 54.445 ug/L
 RT: 3.67 min Scan# 423
 Delta R.T. -0.00 min
 Lab File: VX019273.D
 Acq: 04 Nov 2020 15:51

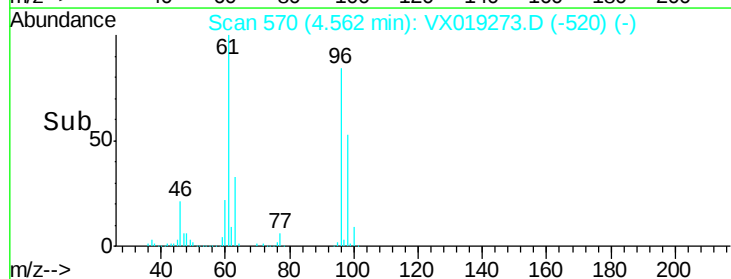
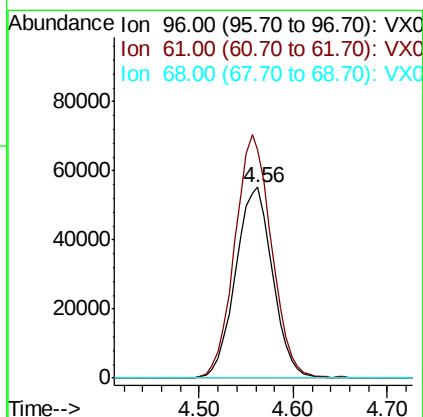
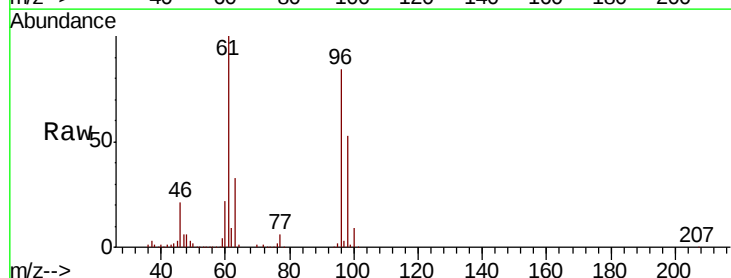
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD050413

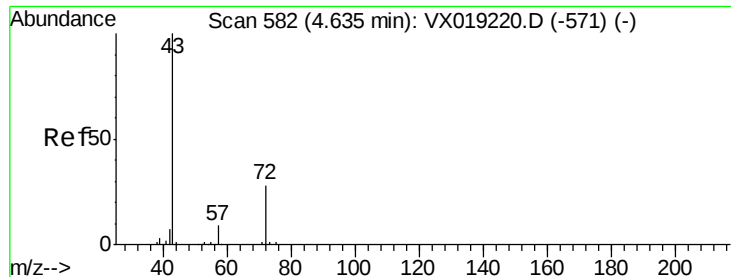
Tot Ion	Ratio	Lower	Upper
63	100		
65	32.4	22.3	41.3
83	13.8	9.7	18.1



#20
 cis-1,2-Dichloroethene
 Concen: 53.577 ug/L
 RT: 4.56 min Scan# 570
 Delta R.T. 0.01 min
 Lab File: VX019273.D
 Acq: 04 Nov 2020 15:51

Tgt Ion	Ratio	Lower	Upper
96	100		
61	119.7	86.1	159.9
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 109.808 ug/L

RT: 4.63 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX019273.D

Acq: 04 Nov 2020 15:51

Instrument :

MSVOA_V

ClientSampleId :

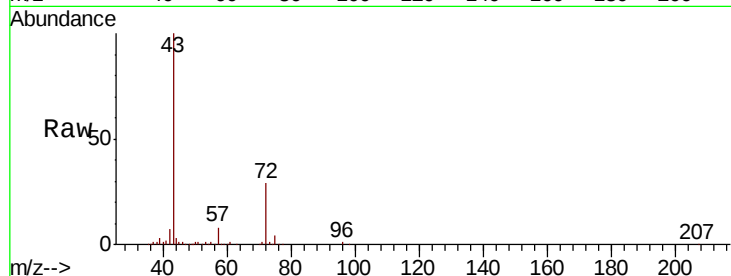
VSTD050413

Tot Ion: 43 Resp: 186621

Ion Ratio Lower Upper

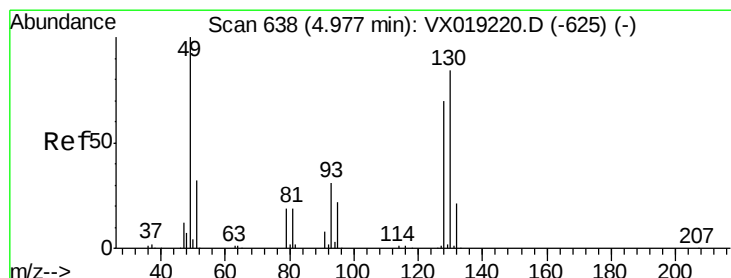
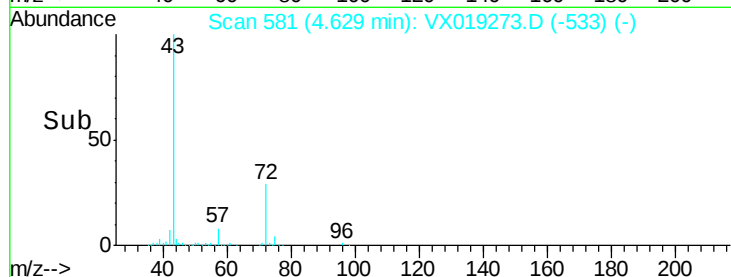
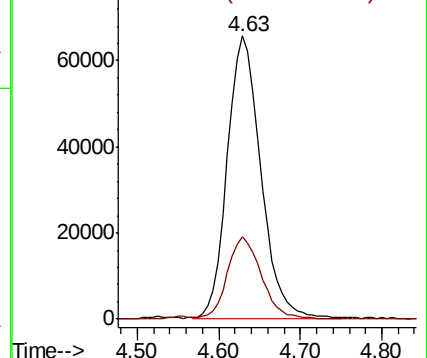
43 100

72 29.5 15.0 45.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#23

Bromochloromethane

Concen: 52.975 ug/L

RT: 4.98 min Scan# 638

Delta R.T. -0.00 min

Lab File: VX019273.D

Acq: 04 Nov 2020 15:51

Tgt Ion:128 Resp: 75271

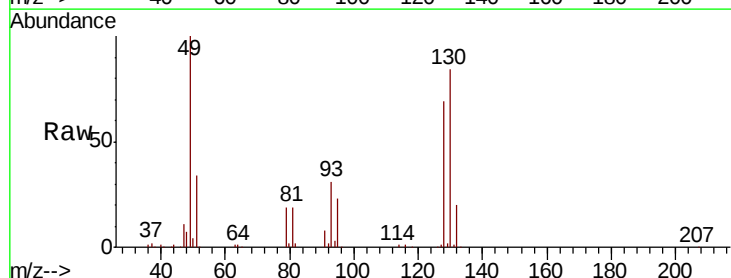
Ion Ratio Lower Upper

128 100

49 146.0 108.4 201.4

130 122.4 96.7 179.7

51 49.0 39.9 59.9

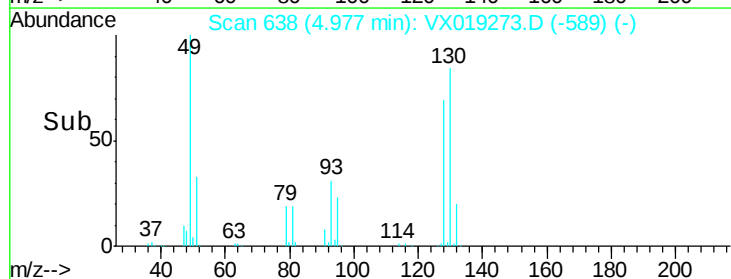
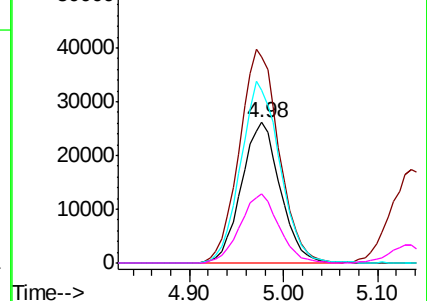


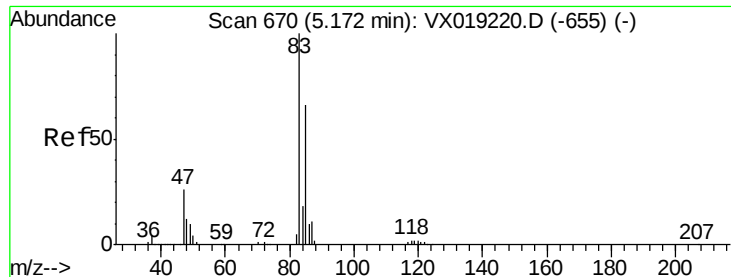
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VX0





#25

Chloroform

Concen: 57.100 ug/L

RT: 5.17 min Scan# 670

Delta R.T. -0.00 min

Lab File: VX019273.D

Acq: 04 Nov 2020 15:51

Instrument :

MSVOA_V

ClientSampleId :

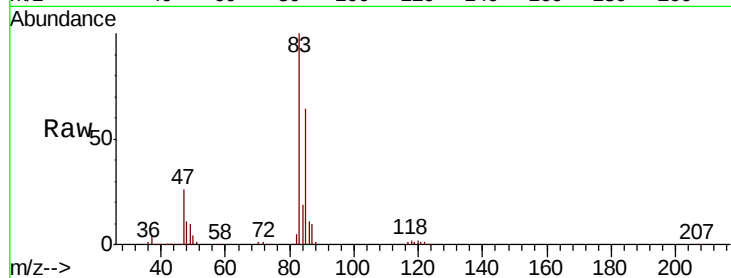
VSTD050413

Tot Ion: 83 Resp: 273558

Ion Ratio Lower Upper

83 100

85 64.0 46.5 86.3



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

5.17

100000

80000

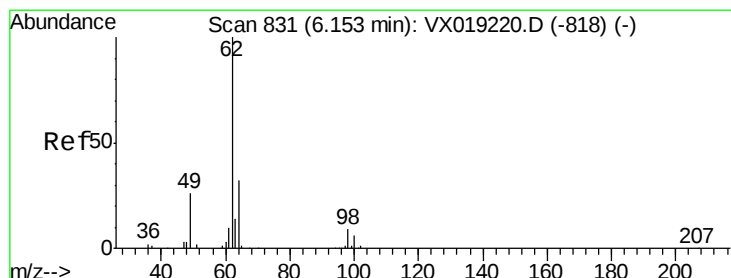
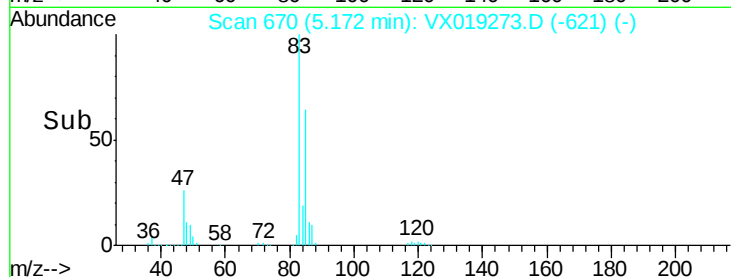
60000

40000

20000

0

Time--> 5.00 5.10 5.20 5.30



#27

1,2-Dichloroethane

Concen: 54.976 ug/L

RT: 6.15 min Scan# 831

Delta R.T. -0.00 min

Lab File: VX019273.D

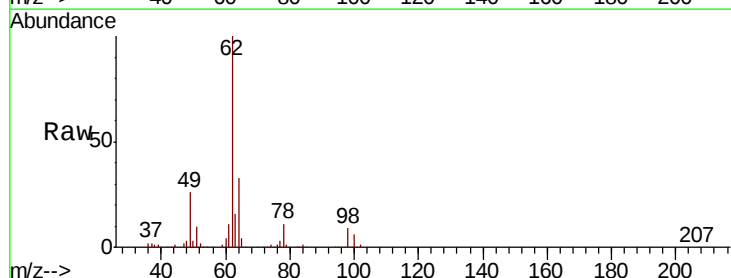
Acq: 04 Nov 2020 15:51

Tgt Ion: 62 Resp: 207373

Ion Ratio Lower Upper

62 100

98 9.5 7.6 11.4



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

6.15

80000

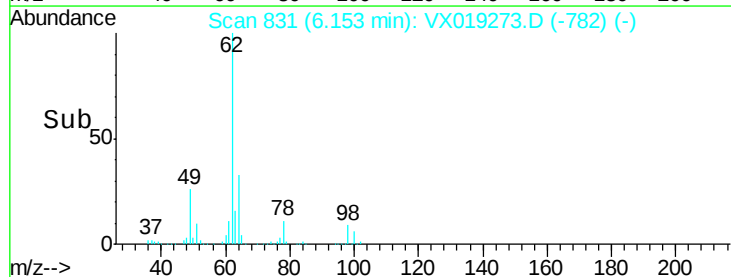
60000

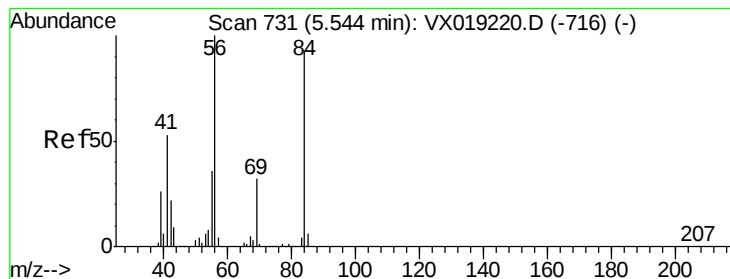
40000

20000

0

Time--> 6.00 6.10 6.20





#29

Cyclohexane

Concen: 53.641 ug/L

RT: 5.54 min Scan# 731

Delta R.T. -0.00 min

Lab File: VX019273.D

Acq: 04 Nov 2020 15:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD050413

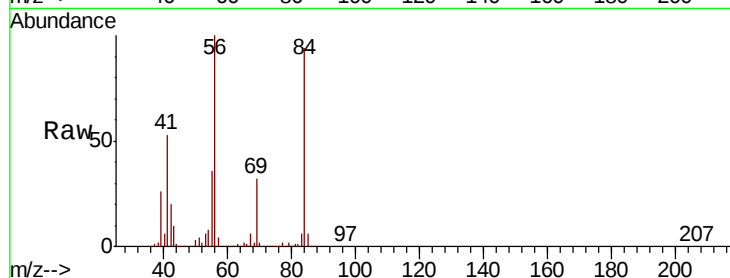
Tot Ion: 56 Resp: 225330

Ion Ratio Lower Upper

56 100

69 31.9 25.2 37.8

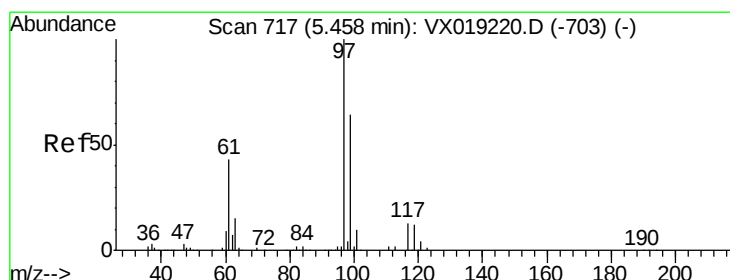
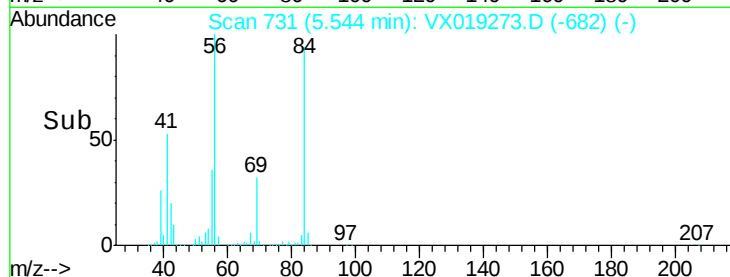
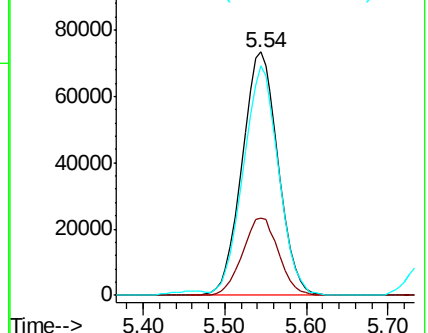
84 91.7 73.6 110.4



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#30

1,1,1-Trichloroethane

Concen: 53.798 ug/L

RT: 5.46 min Scan# 717

Delta R.T. -0.00 min

Lab File: VX019273.D

Acq: 04 Nov 2020 15:51

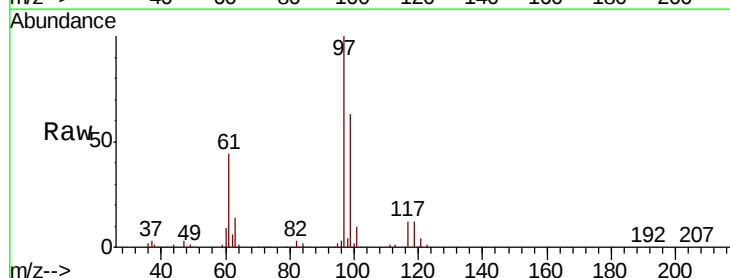
Tgt Ion: 97 Resp: 236673

Ion Ratio Lower Upper

97 100

99 63.9 51.0 76.6

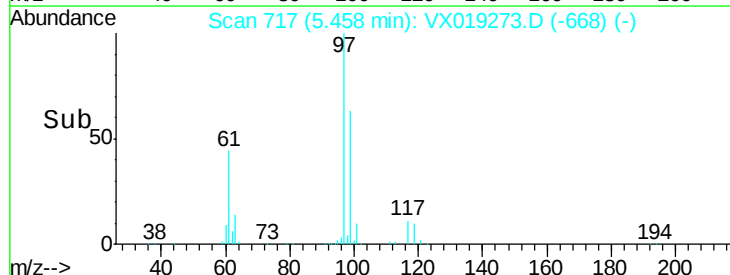
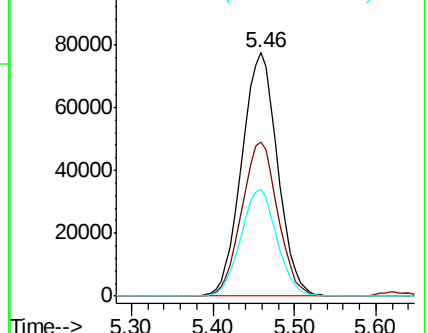
61 44.1 34.8 52.2

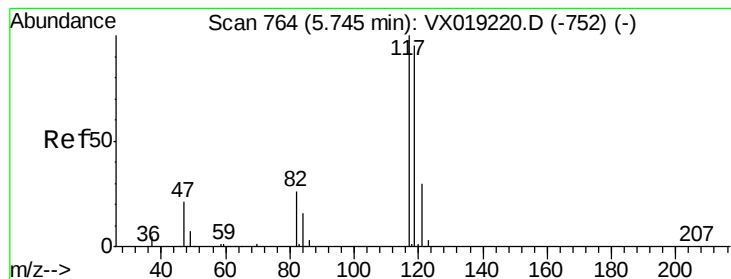


Abundance Ion 97.00 (96.70 to 97.70): VX0

Ion 99.00 (98.70 to 99.70): VX0

Ion 61.05 (60.75 to 61.75): VX0





#31

Carbon tetrachloride

Concen: 53.033 ug/L

RT: 5.75 min Scan# 765

Delta R.T. 0.01 min

Lab File: VX019273.D

Acq: 04 Nov 2020 15:51

Instrument :

MSVOA_V

ClientSampleId :

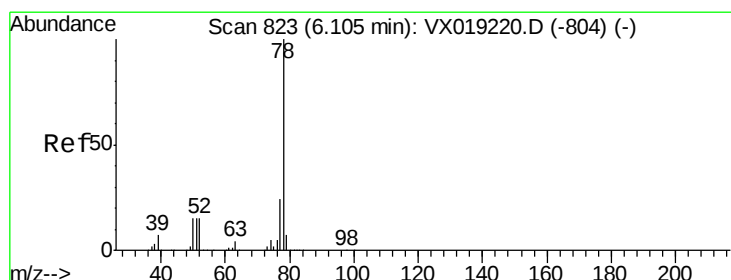
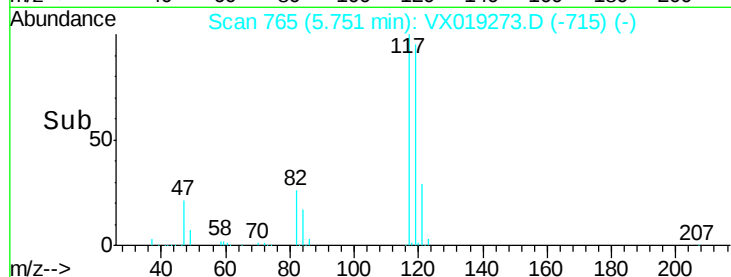
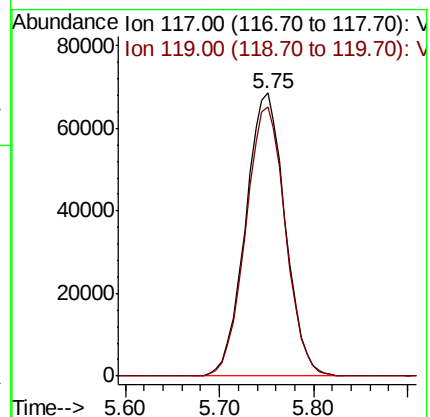
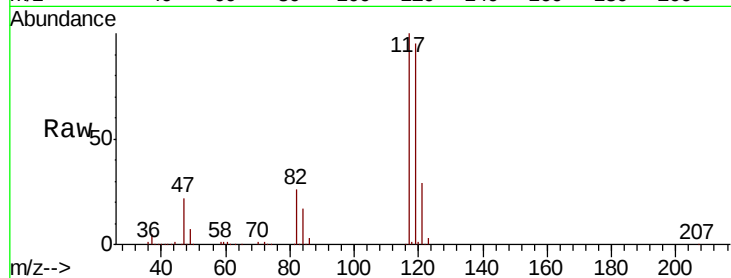
VSTD050413

Tot Ion:117 Resp: 200446

Ion Ratio Lower Upper

117 100

119 95.8 76.9 115.3



#33

Benzene

Concen: 54.681 ug/L

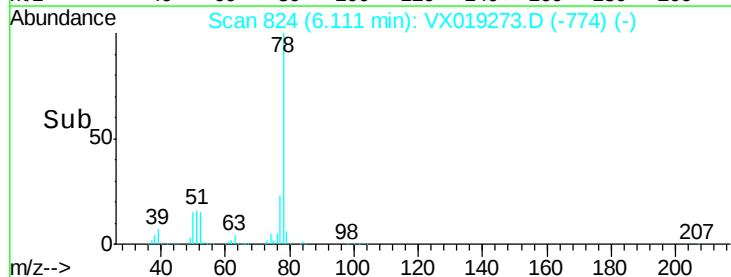
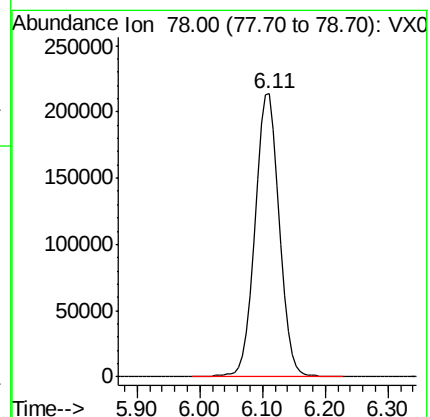
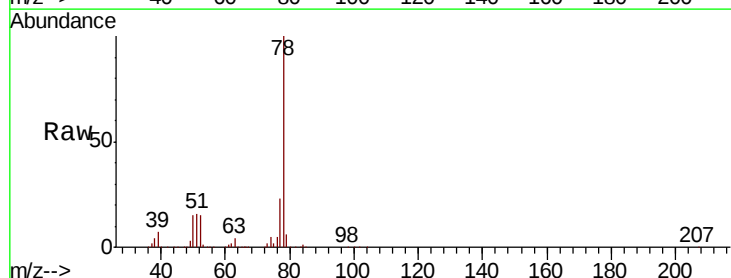
RT: 6.11 min Scan# 824

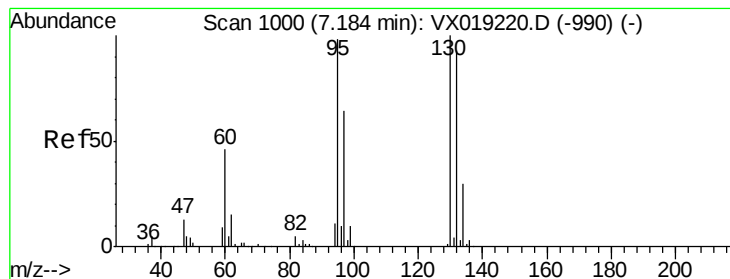
Delta R.T. 0.01 min

Lab File: VX019273.D

Acq: 04 Nov 2020 15:51

Tgt Ion: 78 Resp: 572933





#34

Trichloroethene

Concen: 53.156 ug/L

RT: 7.18 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VX019273.D

Acq: 04 Nov 2020 15:51

Instrument :

MSVOA_V

ClientSampled :

VSTD050413

Tot Ion: 95 Resp: 152002

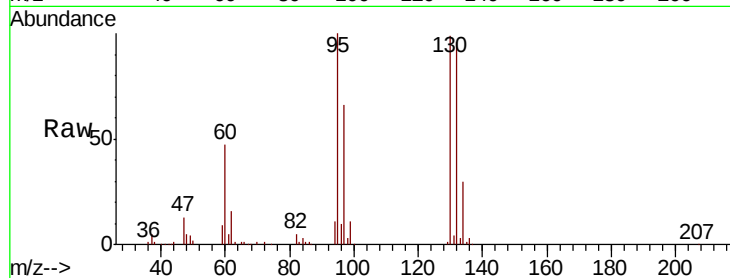
Ion Ratio Lower Upper

95 100

97 65.7 45.1 83.9

132 96.5 67.3 124.9

130 99.1 69.9 129.9

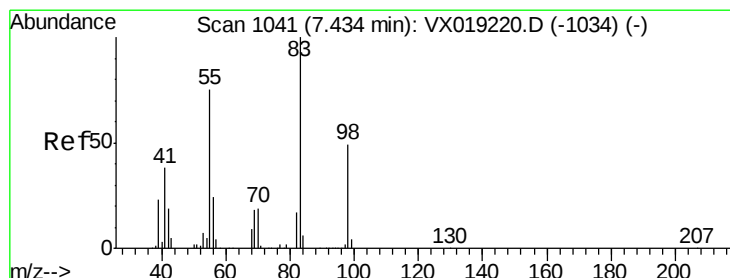
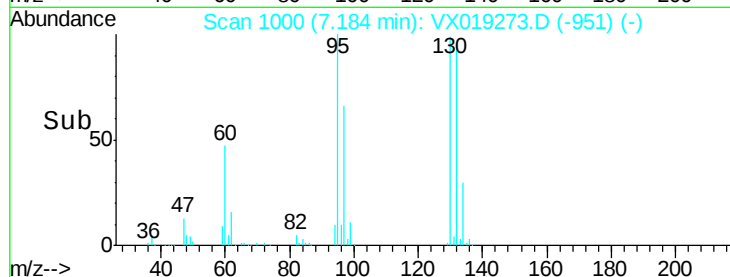
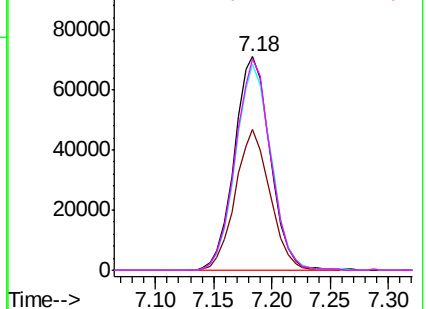


Abundance Ion 95.00 (94.70 to 95.70): VX0

Ion 97.00 (96.70 to 97.70): VX0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 53.119 ug/L

RT: 7.43 min Scan# 1041

Delta R.T. -0.00 min

Lab File: VX019273.D

Acq: 04 Nov 2020 15:51

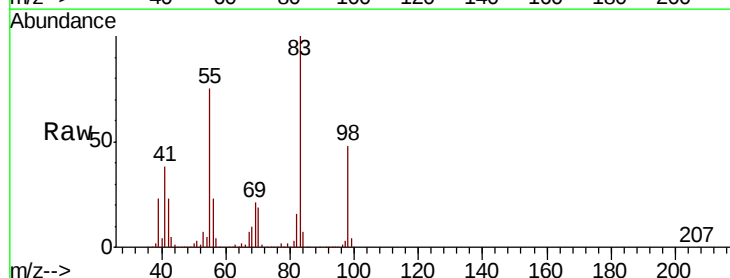
Tgt Ion: 83 Resp: 240429

Ion Ratio Lower Upper

83 100

55 74.6 58.6 87.8

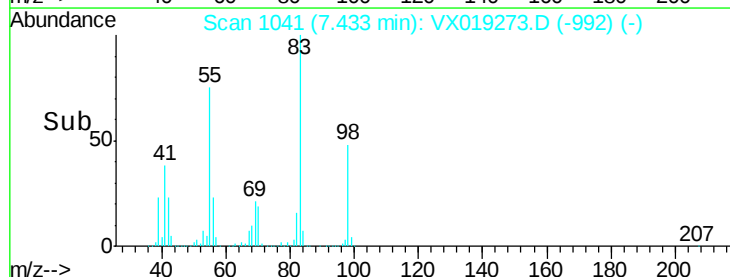
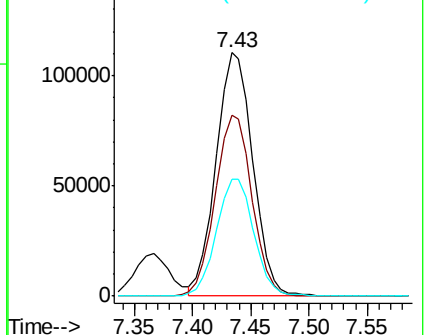
98 48.4 39.0 58.6

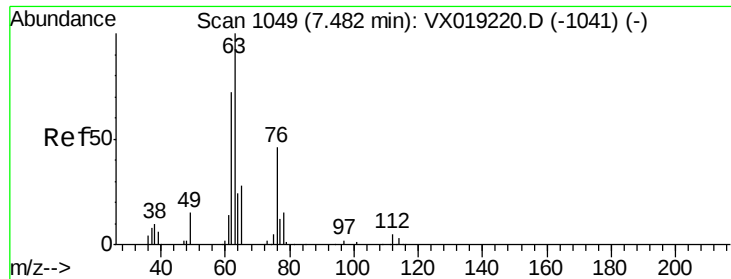


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#37

1,2-Dichloropropane

Concen: 54.452 ug/L

RT: 7.49 min Scan# 1050

Delta R.T. 0.01 min

Lab File: VX019273.D

Acq: 04 Nov 2020 15:51

Instrument :

MSVOA_V

ClientSampleId :

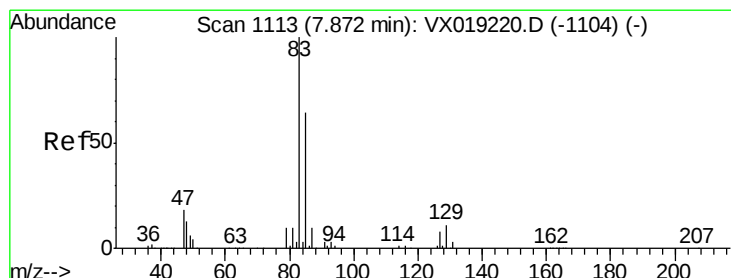
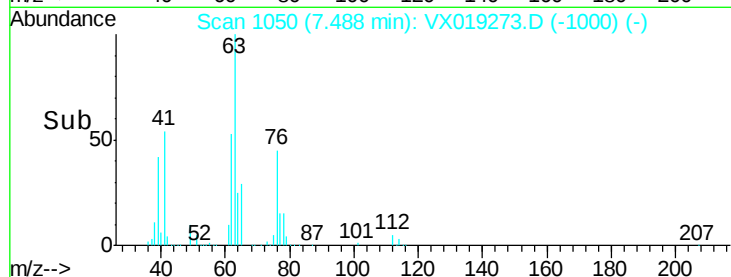
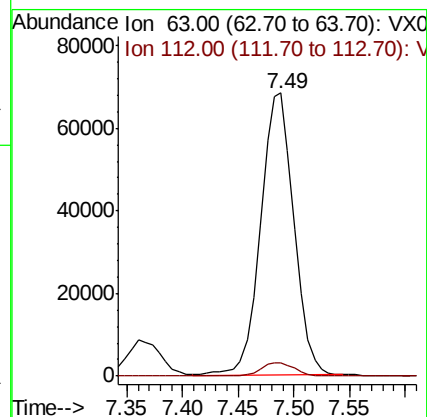
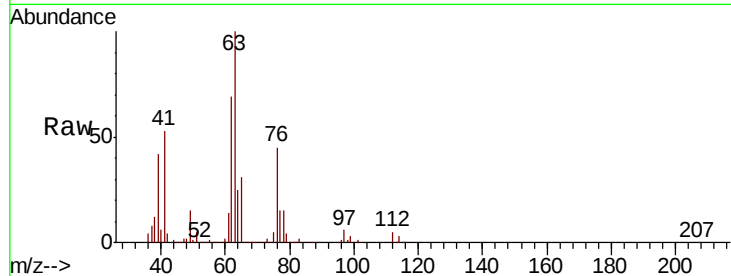
VSTD050413

Tot Ion: 63 Resp: 141706

Ion Ratio Lower Upper

63 100

112 4.9 3.8 5.6



#38

Bromodichloromethane

Concen: 53.256 ug/L

RT: 7.87 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VX019273.D

Acq: 04 Nov 2020 15:51

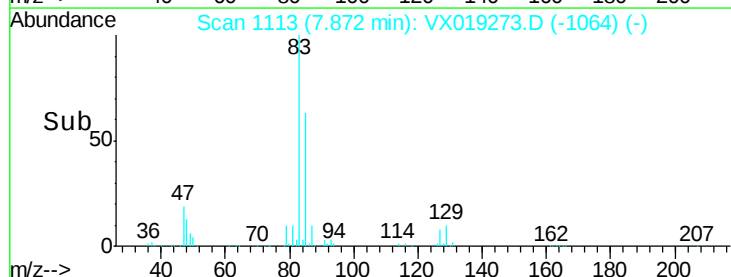
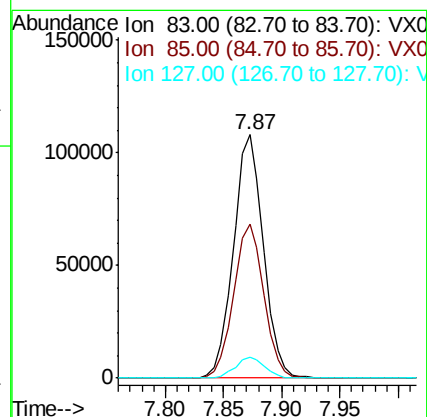
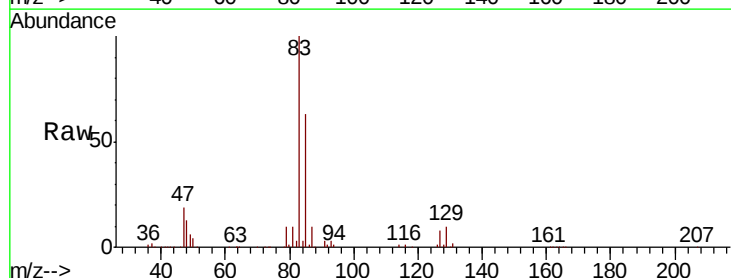
Tgt Ion: 83 Resp: 192744

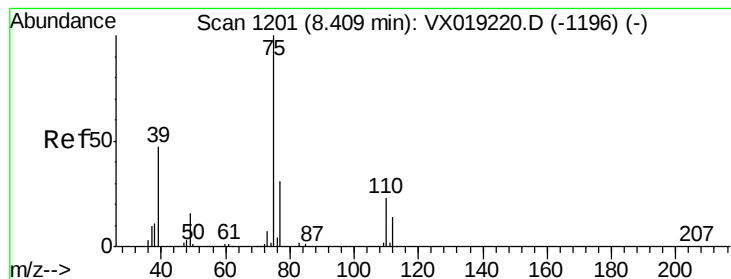
Ion Ratio Lower Upper

83 100

85 63.1 44.6 82.8

127 8.5 6.8 10.2



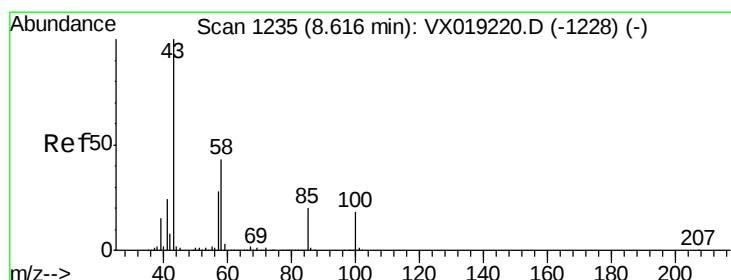
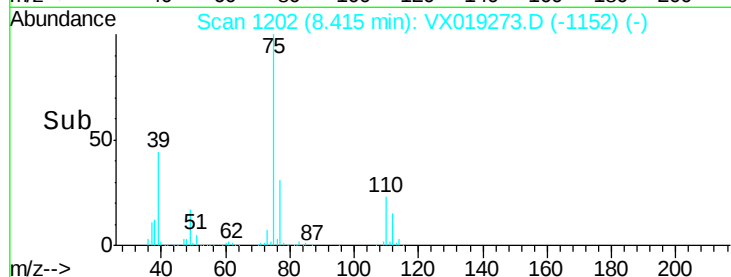
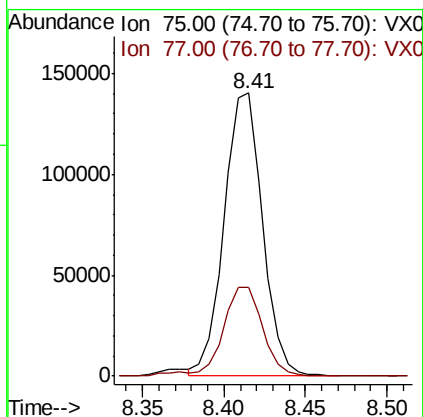
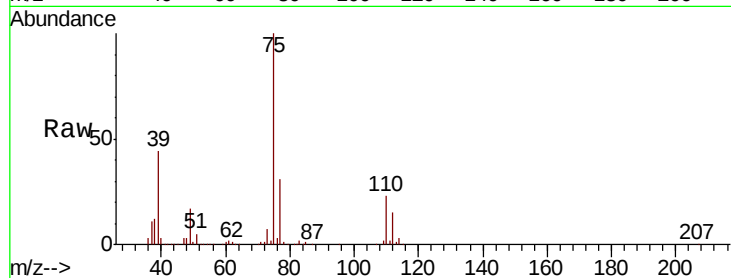


#39

cis-1,3-Dichloropropene
 Concen: 53.220 ug/L
 RT: 8.41 min Scan# 1202
 Delta R.T. 0.01 min
 Lab File: VX019273.D
 Acq: 04 Nov 2020 15:51

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050413

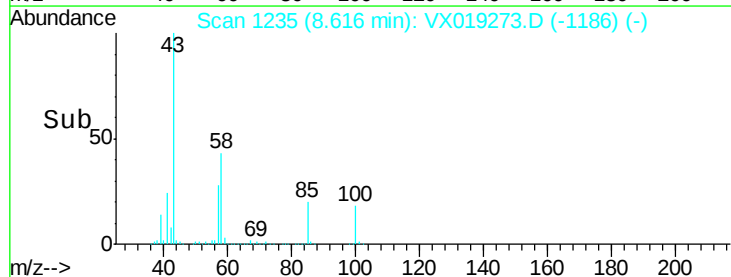
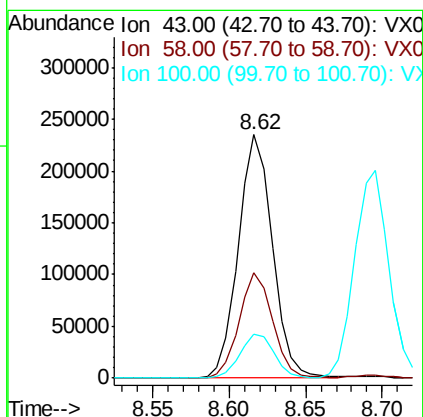
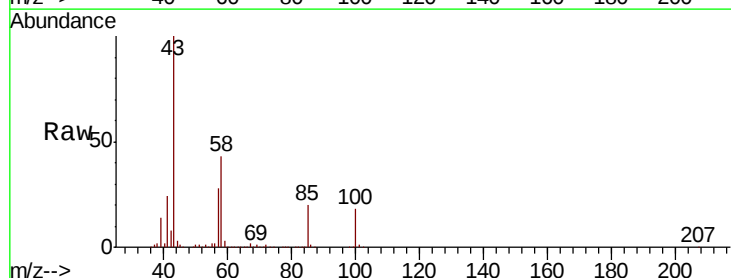
Tot Ion: 75 Resp: 230110
 Ion Ratio Lower Upper
 75 100
 77 31.3 22.5 41.7

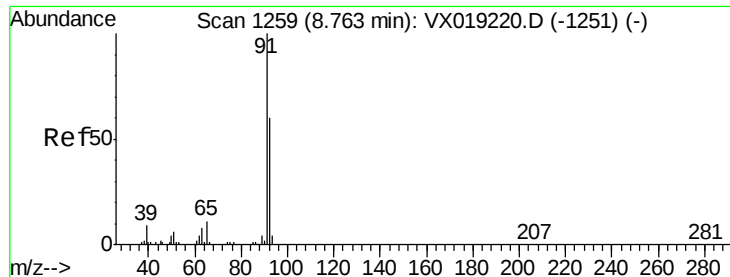


#40

4-Methyl-2-pentanone
 Concen: 114.177 ug/L
 RT: 8.62 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VX019273.D
 Acq: 04 Nov 2020 15:51

Tgt Ion: 43 Resp: 363395
 Ion Ratio Lower Upper
 43 100
 58 42.9 34.1 51.1
 100 18.5 14.8 22.2





#42

Toluene

Concen: 53.957 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VX019273.D

Acq: 04 Nov 2020 15:51

Instrument :

MSVOA_V

ClientSampleId :

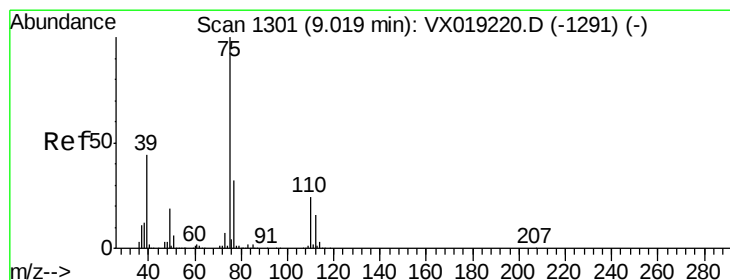
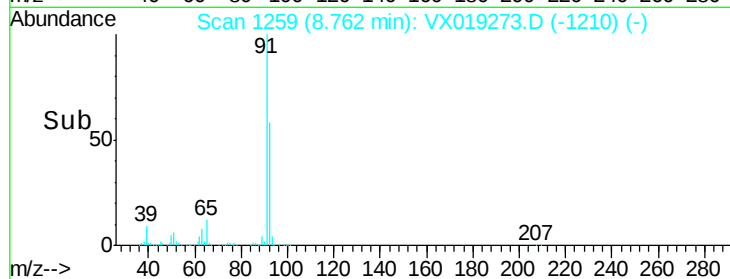
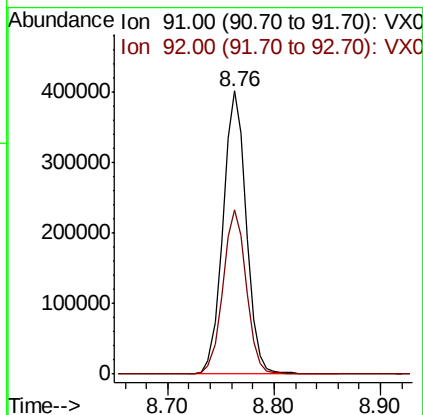
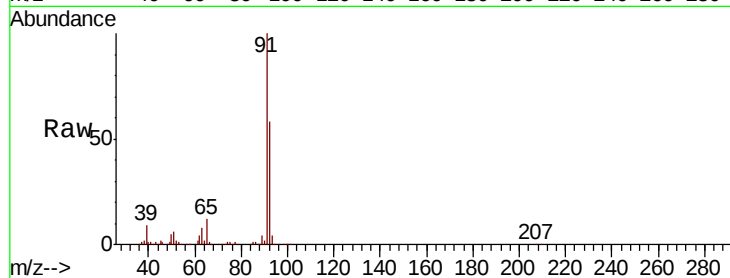
VSTD050413

Tot Ion: 91 Resp: 614953

Ion Ratio Lower Upper

91 100

92 57.9 41.2 76.6



#44

trans-1,3-Dichloropropene

Concen: 52.931 ug/L

RT: 9.02 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VX019273.D

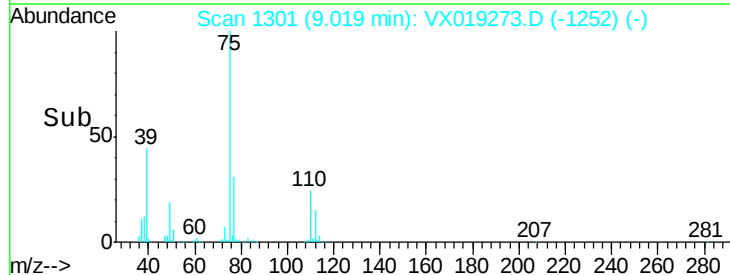
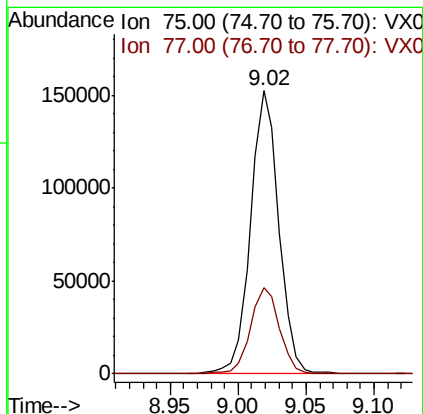
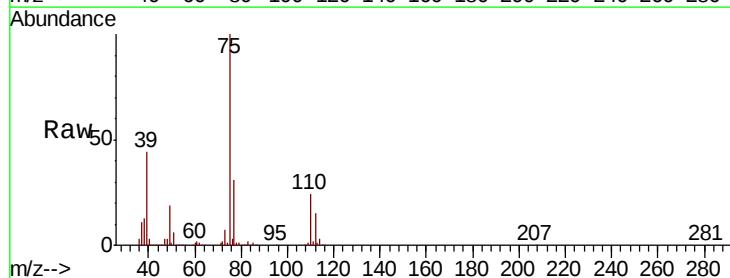
Acq: 04 Nov 2020 15:51

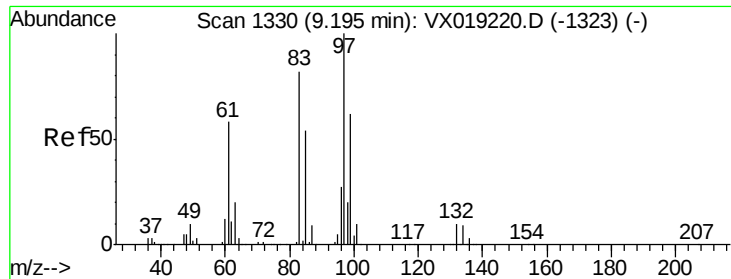
Tgt Ion: 75 Resp: 222963

Ion Ratio Lower Upper

75 100

77 30.6 21.8 40.6

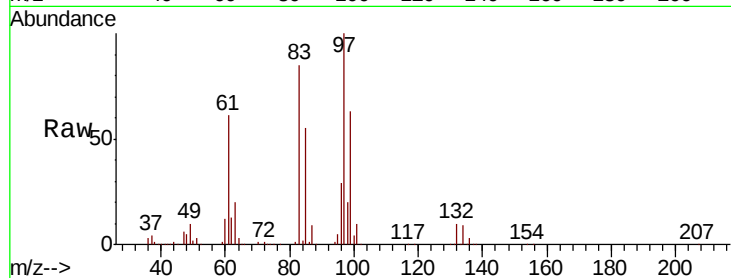




#45
 1,1,2-Trichloroethane
 Concen: 54.195 ug/L
 RT: 9.20 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VX019273.D
 Acq: 04 Nov 2020 15:51

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050413

Tot Ion:	97	Resp:	138553
Ion	Ratio	Lower	Upper
97	100		
99	63.2	43.3	80.3
83	85.3	59.4	110.4
85	55.2	38.7	71.9



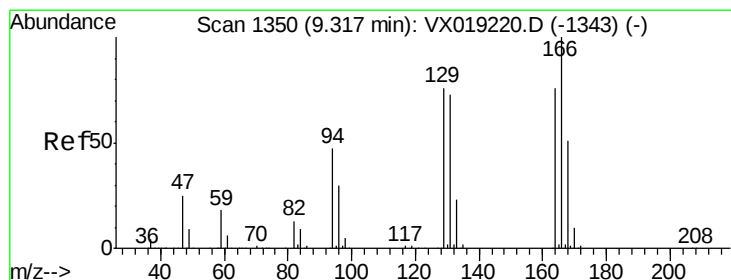
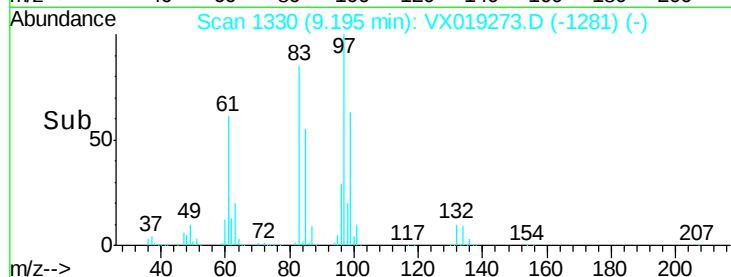
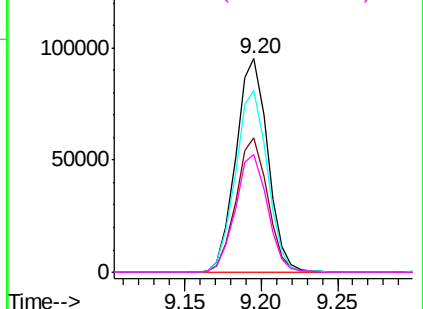
Abundance

Ion 97.00 (96.70 to 97.70): VX0

Ion 99.00 (98.70 to 99.70): VX0

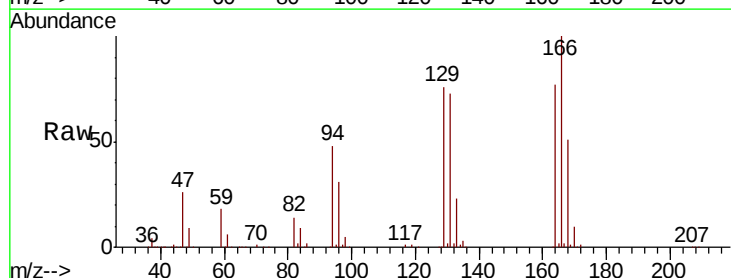
Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#46
 Tetrachloroethene
 Concen: 52.020 ug/L
 RT: 9.32 min Scan# 1350
 Delta R.T. -0.00 min
 Lab File: VX019273.D
 Acq: 04 Nov 2020 15:51

Tgt Ion:	164	Resp:	112231
Ion	Ratio	Lower	Upper
164	100		
129	98.0	65.2	121.2
131	94.2	62.5	116.1
166	129.5	90.2	167.6



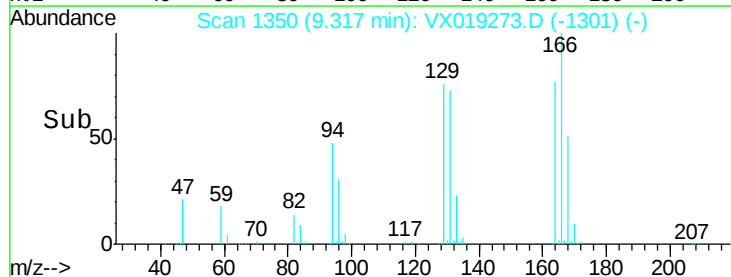
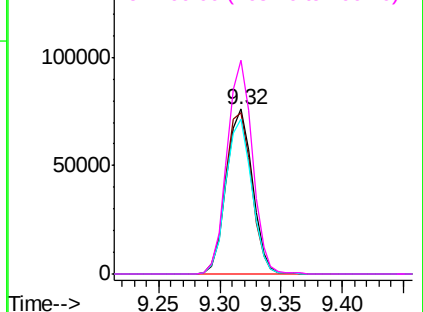
Abundance

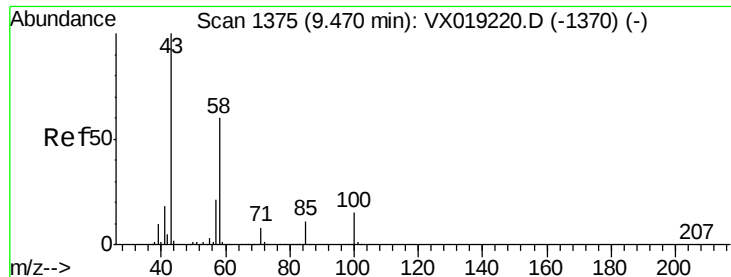
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

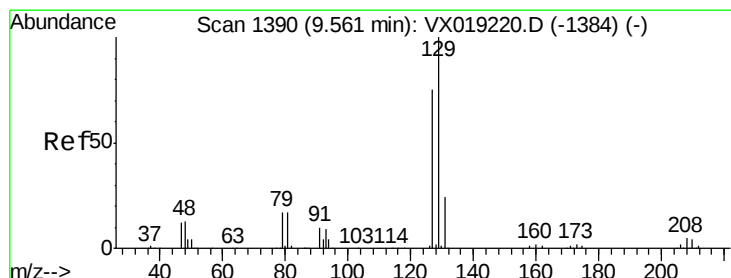
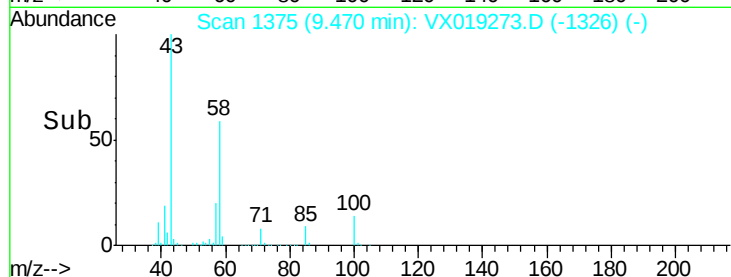
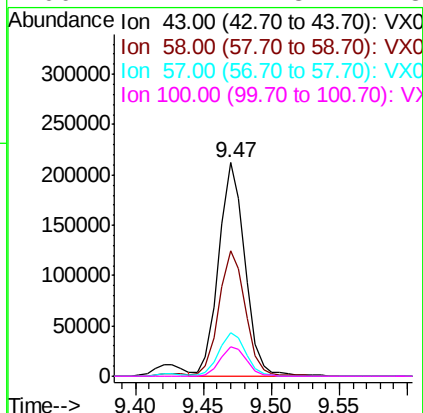
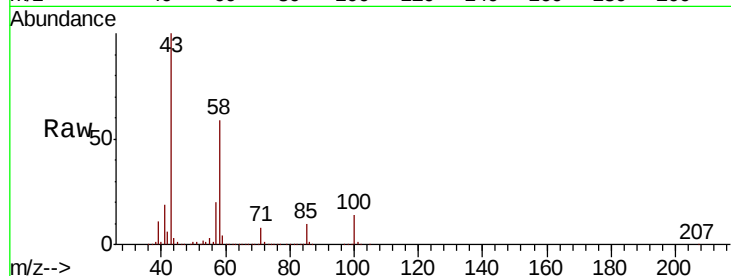




#48
2-Hexanone
Concen: 113.000 ug/L
RT: 9.47 min Scan# 1375
Delta R.T. -0.00 min
Lab File: VX019273.D
Acq: 04 Nov 2020 15:51

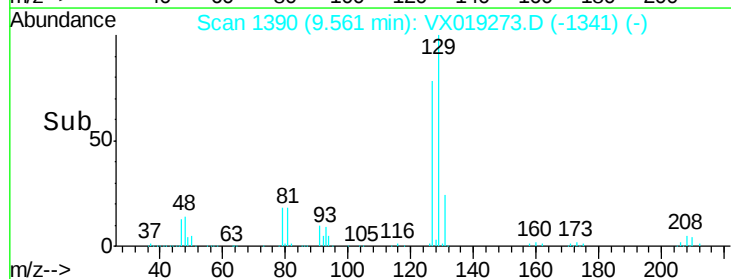
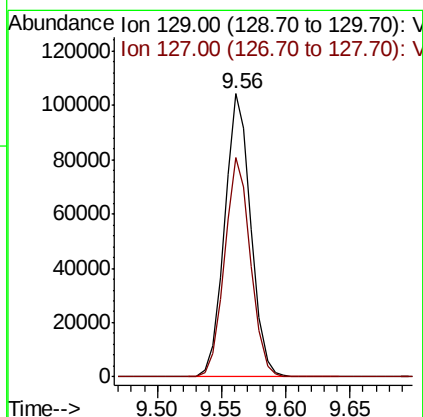
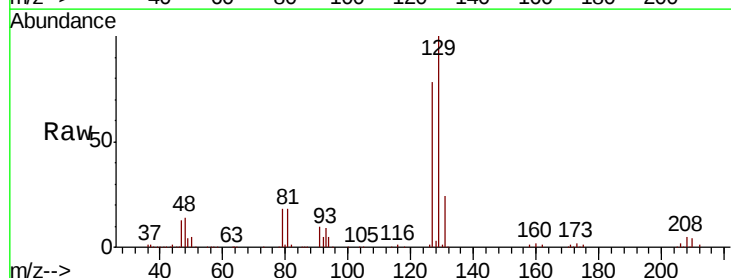
Instrument :
MSVOA_V
ClientSampleId :
VSTD050413

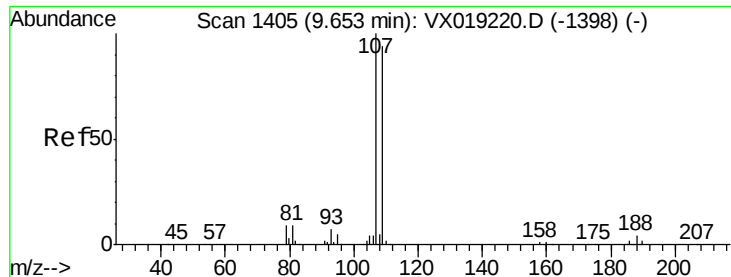
Tot Ion:	43	Resp:	283401
Ion	Ratio	Lower	Upper
43	100		
58	60.1	48.2	72.2
57	21.1	17.1	25.7
100	14.4	11.8	17.8



#49
Dibromochloromethane
Concen: 53.160 ug/L
RT: 9.56 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VX019273.D
Acq: 04 Nov 2020 15:51

Tgt Ion:	129	Resp:	148662
Ion	Ratio	Lower	Upper
129	100		
127	77.7	54.0	100.2

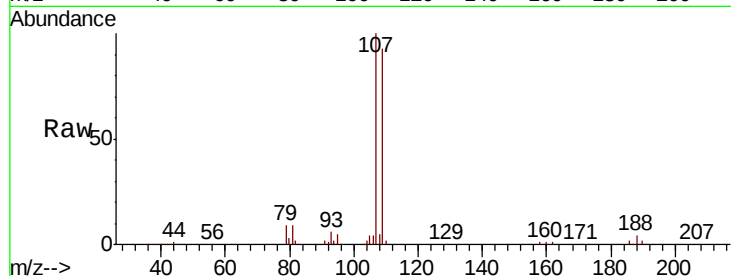




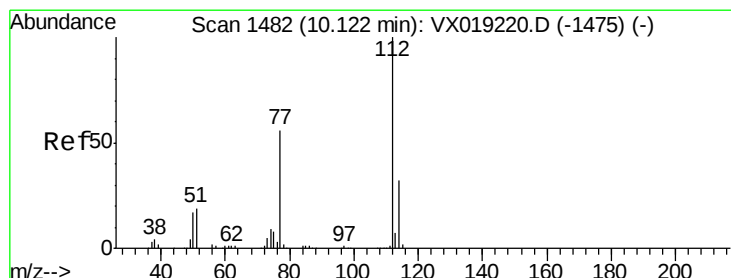
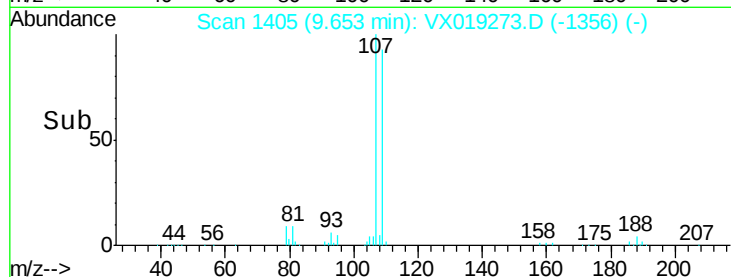
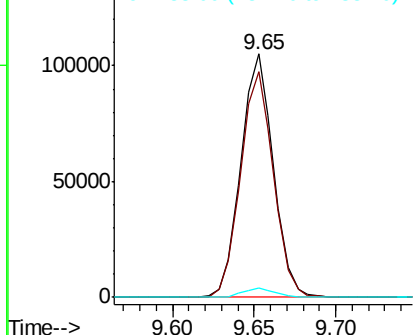
#50
1,2-Dibromoethane
Concen: 54.462 ug/L
RT: 9.65 min Scan# 1405
Delta R.T. -0.00 min
Lab File: VX019273.D
Acq: 04 Nov 2020 15:51

Instrument :
MSVOA_V
ClientSampled :
VSTD050413

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.8	68.1	126.5
188	3.8	3.0	4.4

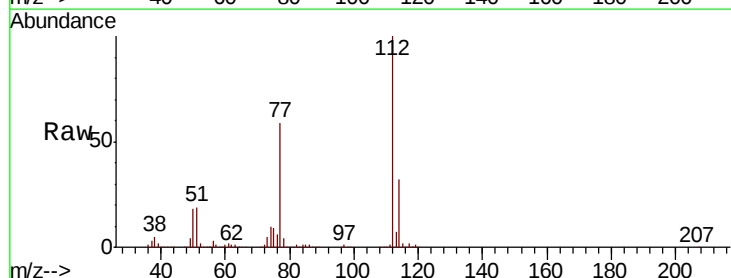


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

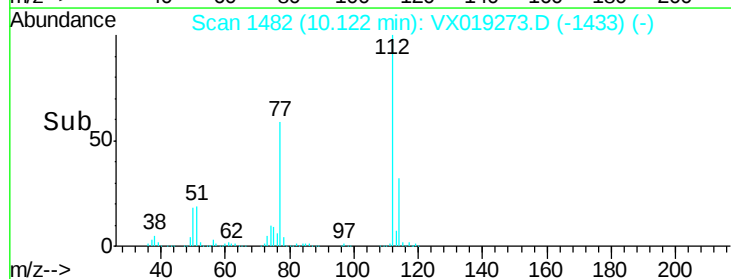
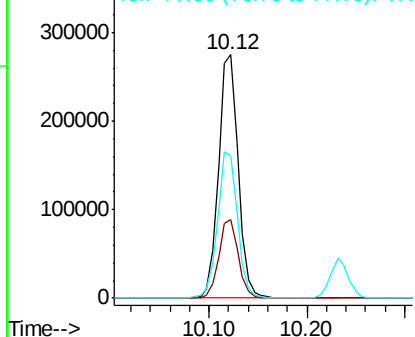


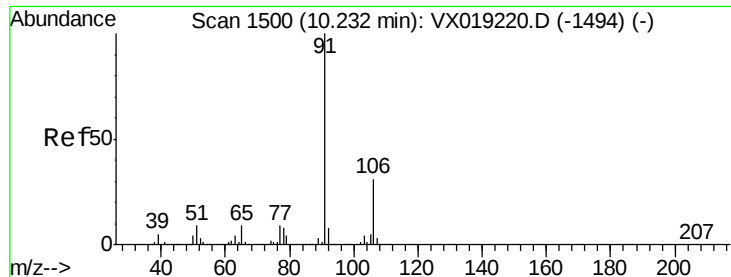
#51
Chlorobenzene
Concen: 54.011 ug/L
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX019273.D
Acq: 04 Nov 2020 15:51

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.2	22.2	41.2
77	58.7	46.2	69.4



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 54.636 ug/L

RT: 10.23 min Scan# 1500

Delta R.T. -0.00 min

Lab File: VX019273.D

Acq: 04 Nov 2020 15:51

Instrument :

MSVOA_V

ClientSampleId :

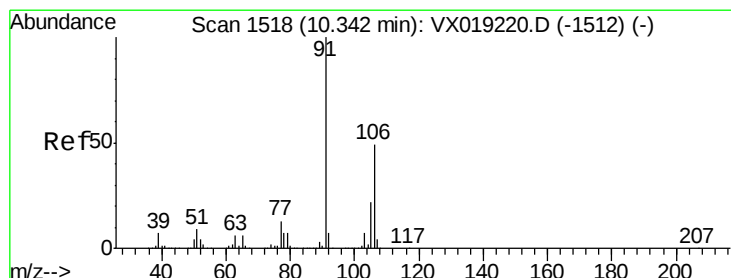
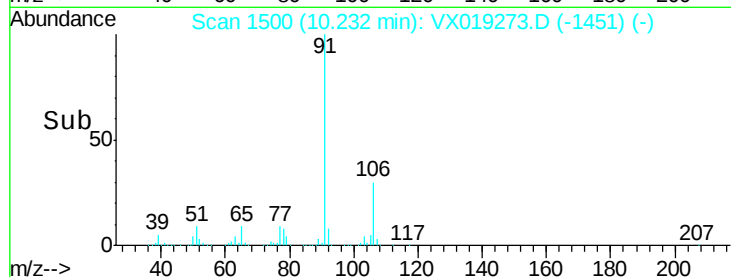
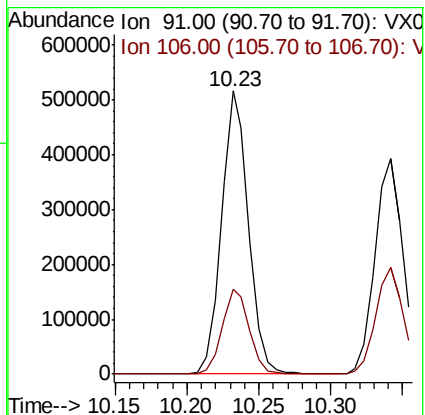
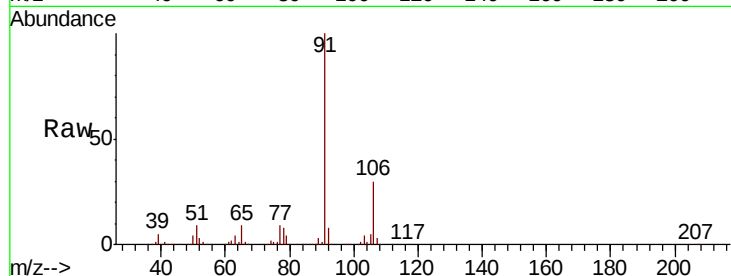
VSTD050413

Tot Ion: 91 Resp: 673159

Ion Ratio Lower Upper

91 100

106 30.2 21.5 39.9



#53

m,p-Xylene

Concen: 55.183 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX019273.D

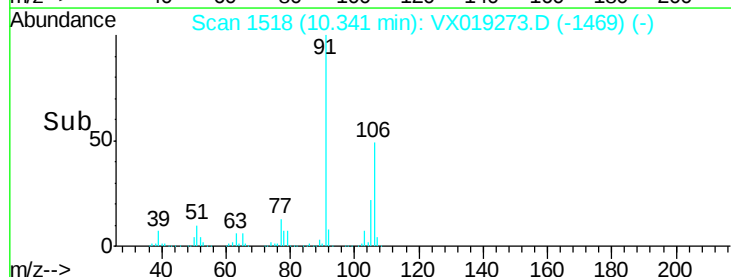
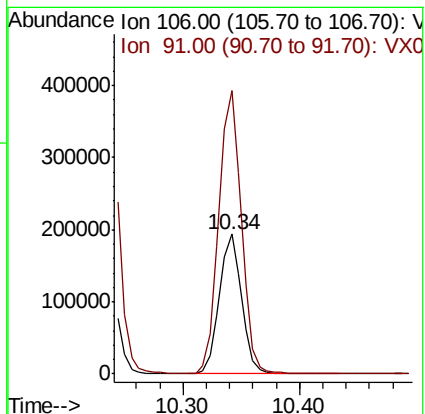
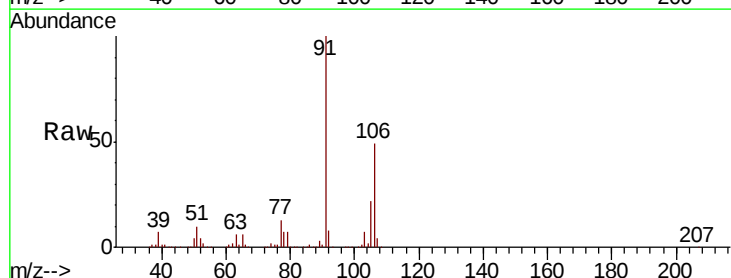
Acq: 04 Nov 2020 15:51

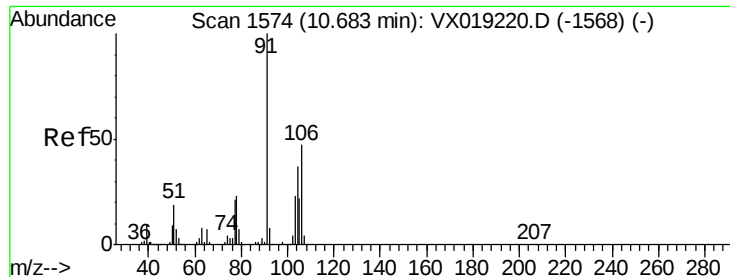
Tgt Ion: 106 Resp: 255417

Ion Ratio Lower Upper

106 100

91 202.5 144.2 267.8

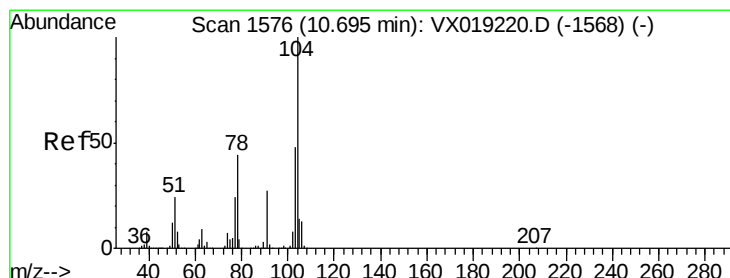
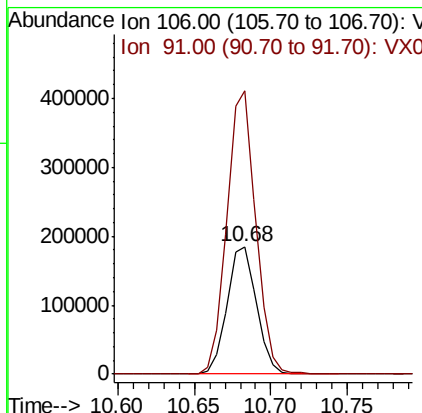
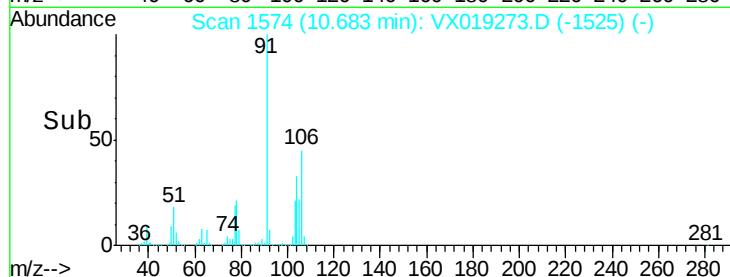
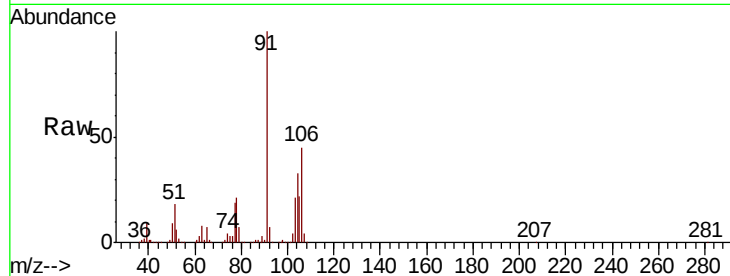




#54
o-Xylene
Concen: 55.046 ug/L
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX019273.D
Acq: 04 Nov 2020 15:51

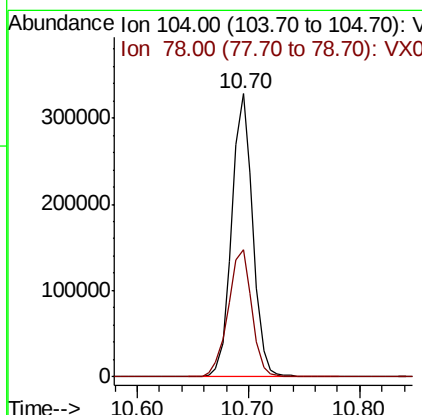
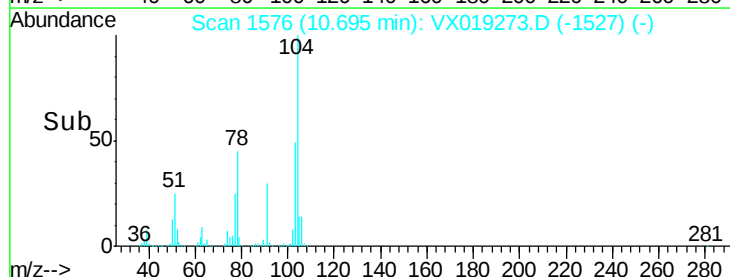
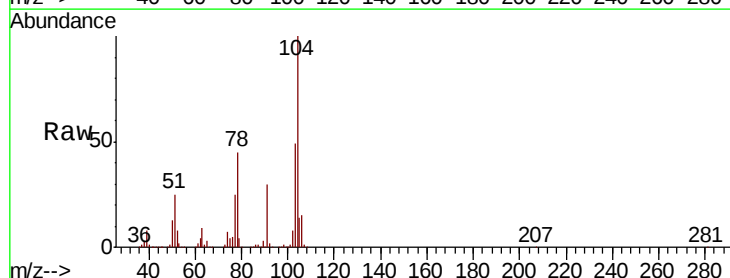
Instrument :
MSVOA_V
ClientSampleId :
VSTD050413

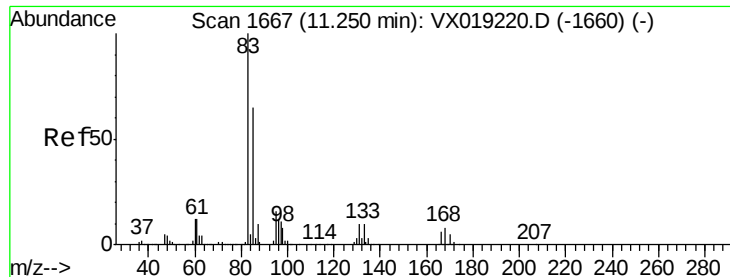
Tot Ion:106 Resp: 246690
Ion Ratio Lower Upper
106 100
91 222.4 153.3 284.7



#55
Styrene
Concen: 56.507 ug/L
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX019273.D
Acq: 04 Nov 2020 15:51

Tgt Ion:104 Resp: 427212
Ion Ratio Lower Upper
104 100
78 44.9 30.9 57.5





#57

1,1,2,2-Tetrachloroethane

Concen: 60.627 ug/L

RT: 11.25 min Scan# 1667

Delta R.T. -0.00 min

Lab File: VX019273.D

Acq: 04 Nov 2020 15:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD050413

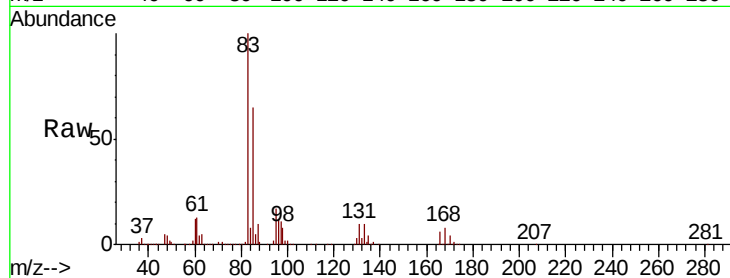
Tot Ion: 83 Resp: 212454

Ion Ratio Lower Upper

83 100

85 65.1 45.9 85.3

131 9.9 7.7 11.5

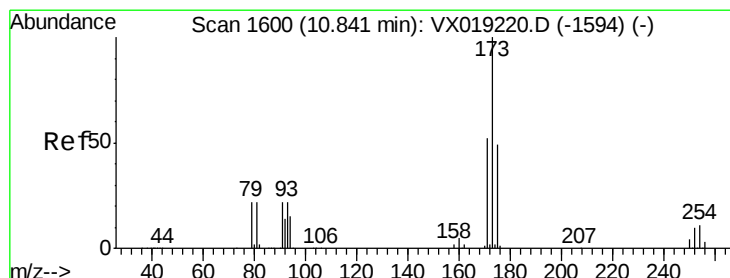
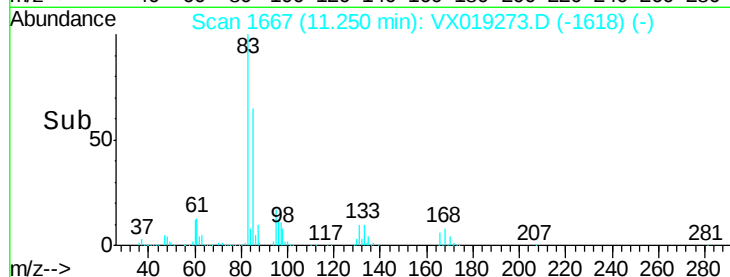


Abundance Ion 83.00 (82.70 to 83.70): VX019220.D (-1660) (-)

Ion 85.00 (84.70 to 85.70): VX019220.D (-1660) (-)

Ion 131.00 (130.70 to 131.70): VX019220.D (-1660) (-)

Time-->



#59

Bromoform

Concen: 50.950 ug/L

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX019273.D

Acq: 04 Nov 2020 15:51

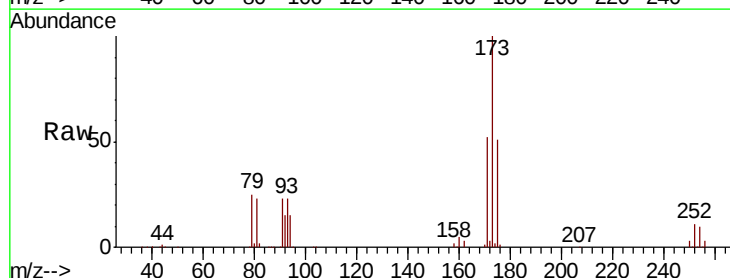
Tgt Ion: 173 Resp: 103630

Ion Ratio Lower Upper

173 100

175 48.9 39.7 59.5

254 9.4 8.2 12.4

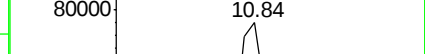
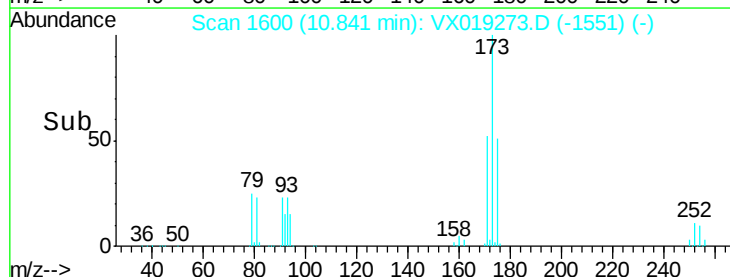


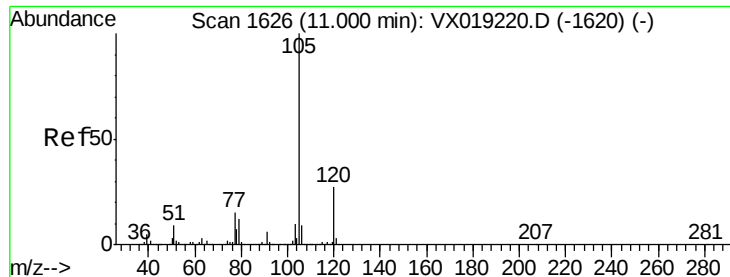
Abundance Ion 173.00 (172.70 to 173.70): VX019220.D (-1594) (-)

Ion 175.00 (174.70 to 175.70): VX019220.D (-1594) (-)

Ion 254.00 (253.70 to 254.70): VX019220.D (-1594) (-)

Time-->





#60

Isopropylbenzene

Concen: 52.272 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX019273.D

Acq: 04 Nov 2020 15:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD050413

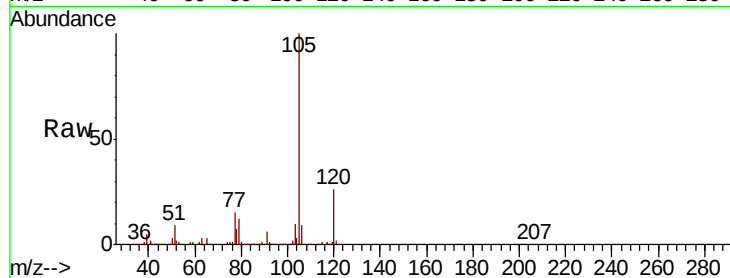
Tot Ion:105 Resp: 666124

Ion Ratio Lower Upper

105 100

120 26.0 21.1 31.7

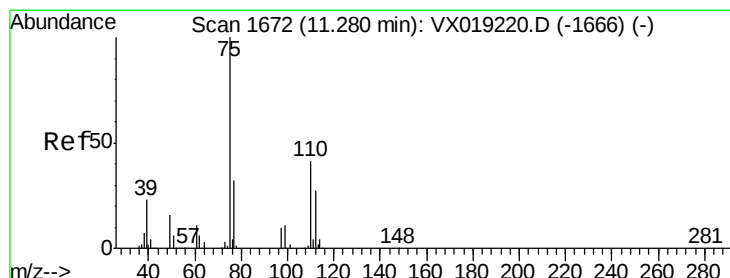
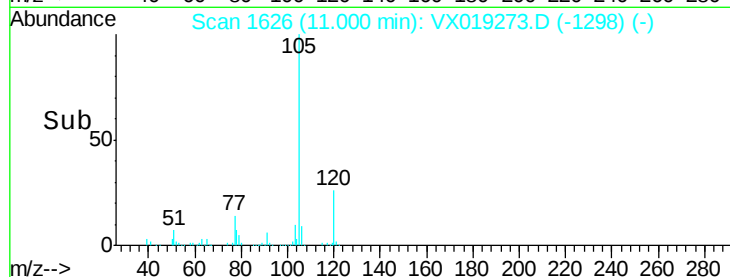
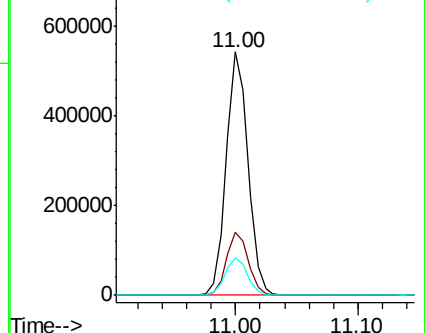
77 15.7 12.6 19.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#61

1,2,3-Trichloropropane

Concen: 54.620 ug/L

RT: 11.28 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VX019273.D

Acq: 04 Nov 2020 15:51

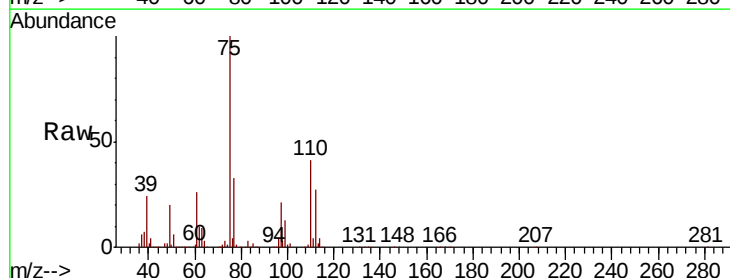
Tgt Ion: 75 Resp: 174694

Ion Ratio Lower Upper

75 100

77 32.2 25.4 38.0

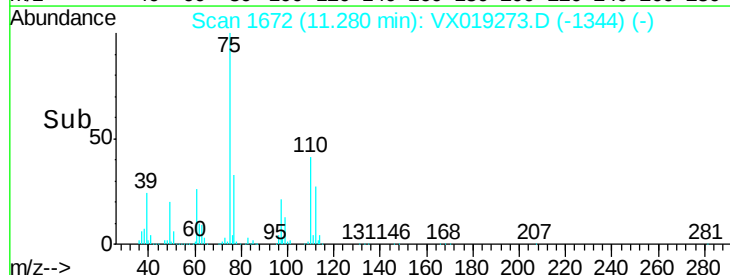
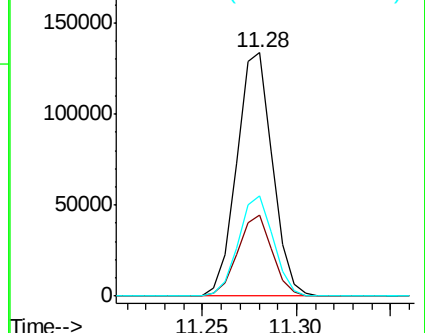
110 40.6 32.2 48.2

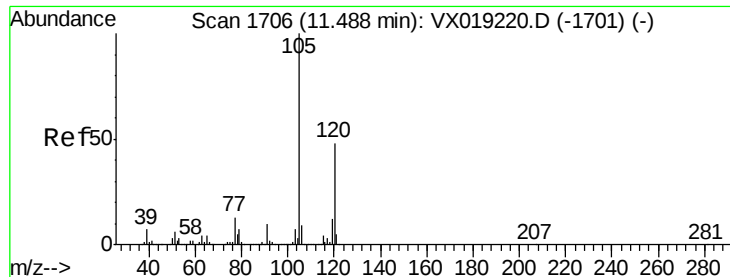


Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 52.313 ug/L

RT: 11.49 min Scan# 1706

Delta R.T. -0.00 min

Lab File: VX019273.D

Acq: 04 Nov 2020 15:51

Instrument :

MSVOA_V

ClientSampleId :

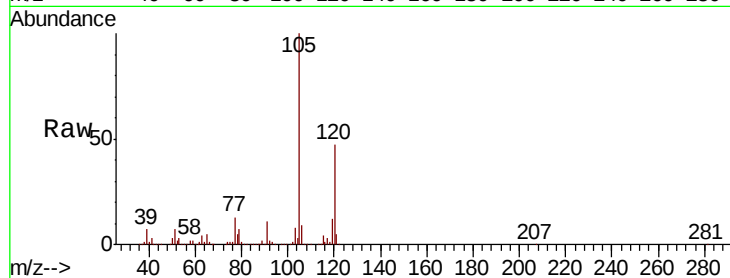
VSTD050413

Tot Ion:105 Resp: 548427

Ion Ratio Lower Upper

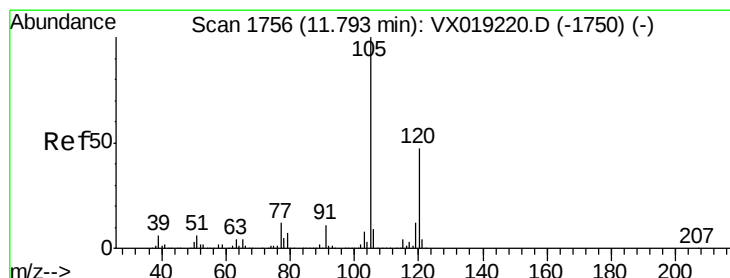
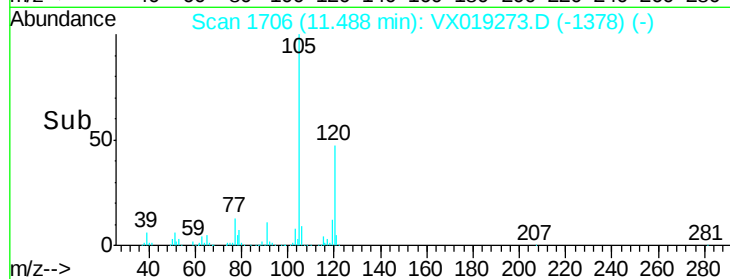
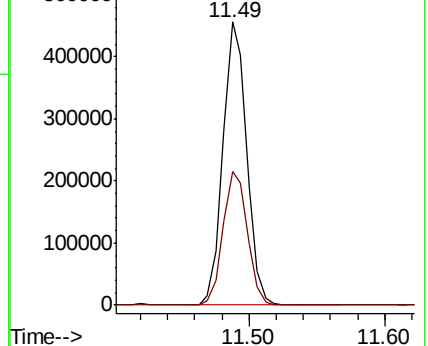
105 100

120 48.5 38.8 58.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 52.959 ug/L

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX019273.D

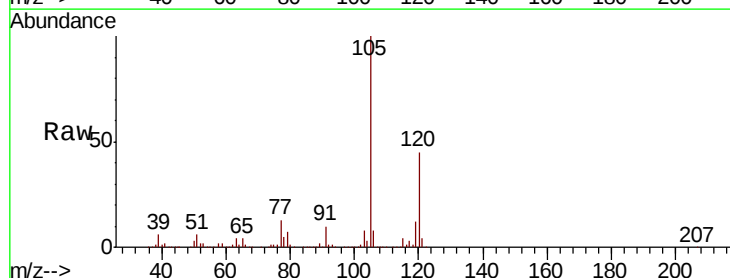
Acq: 04 Nov 2020 15:51

Tgt Ion:105 Resp: 525138

Ion Ratio Lower Upper

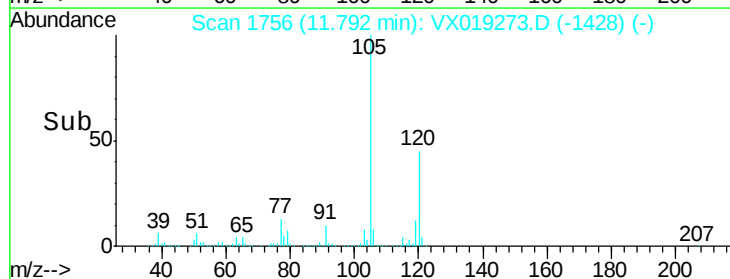
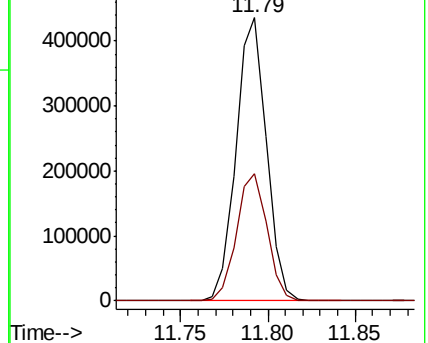
105 100

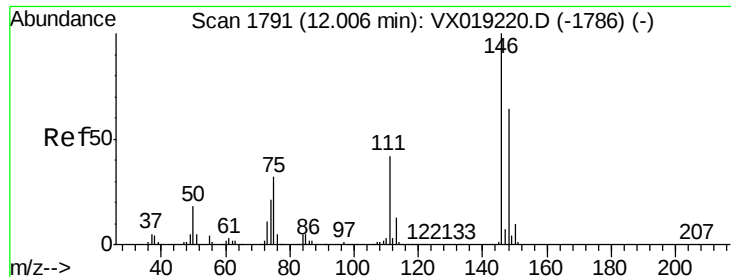
120 45.3 36.0 54.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#64

1,3-Dichlorobenzene

Concen: 53.856 ug/L

RT: 12.01 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX019273.D

Acq: 04 Nov 2020 15:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD050413

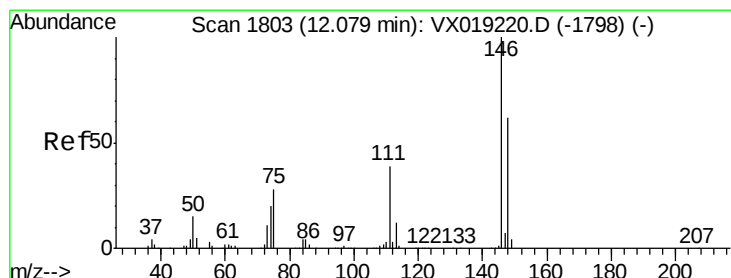
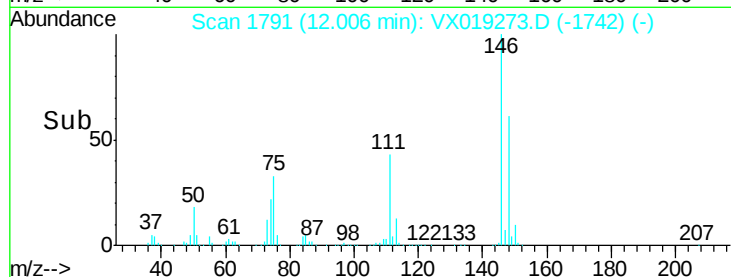
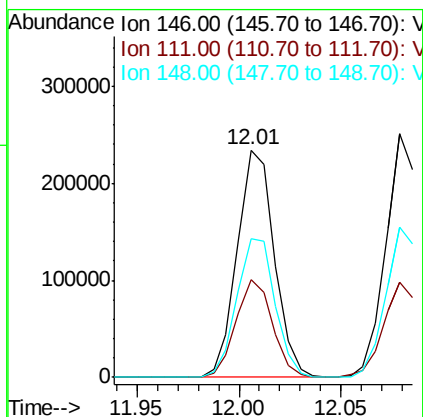
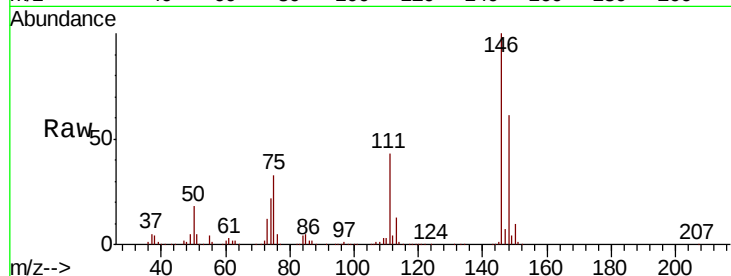
Tot Ion:146 Resp: 296308

Ion Ratio Lower Upper

146 100

111 42.7 29.7 55.1

148 61.1 44.5 82.7



#65

1,4-Dichlorobenzene

Concen: 54.368 ug/L

RT: 12.08 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VX019273.D

Acq: 04 Nov 2020 15:51

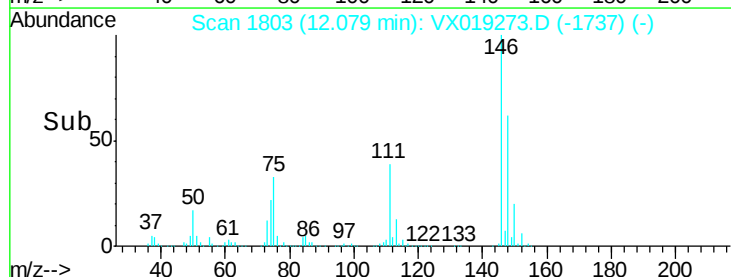
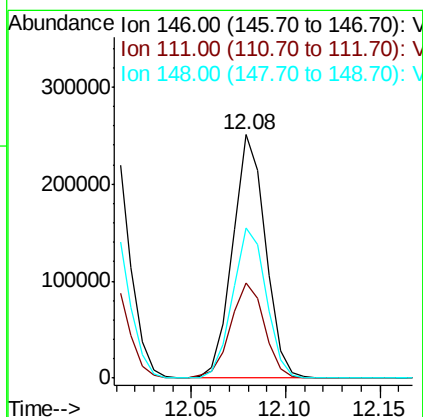
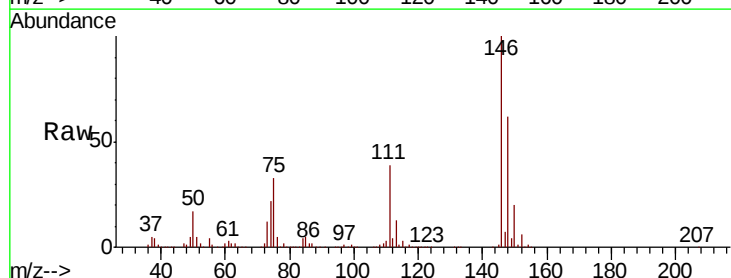
Tgt Ion:146 Resp: 303514

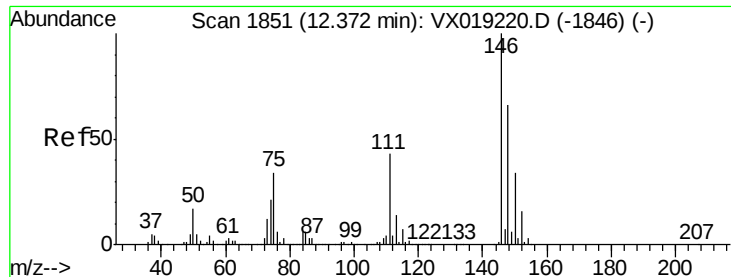
Ion Ratio Lower Upper

146 100

111 38.9 28.1 52.3

148 61.7 43.8 81.4

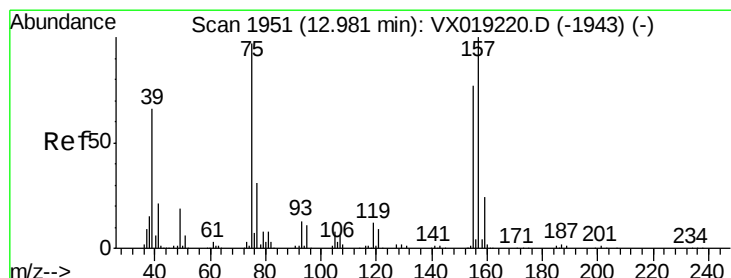
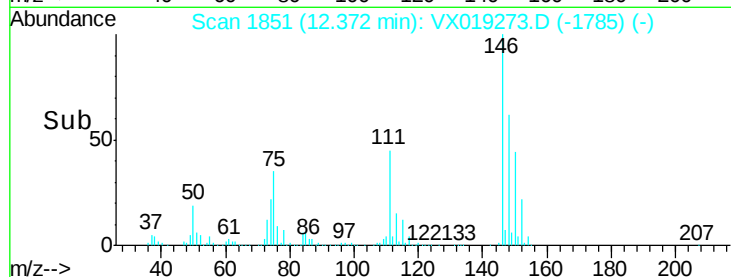
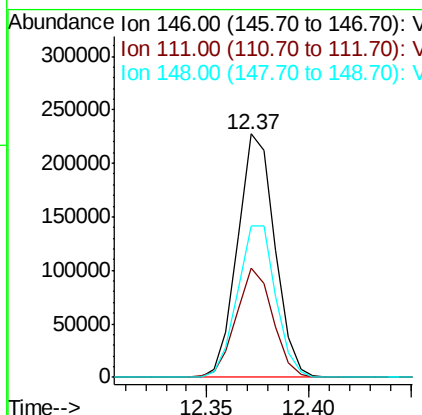
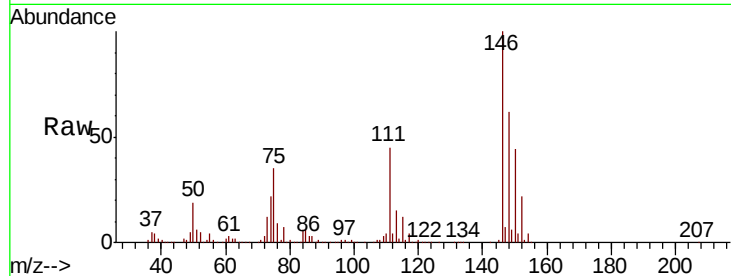




#67
 1,2-Dichlorobenzene
 Concen: 54.108 ug/L
 RT: 12.37 min Scan# 1851
 Delta R.T. -0.00 min
 Lab File: VX019273.D
 Acq: 04 Nov 2020 15:51

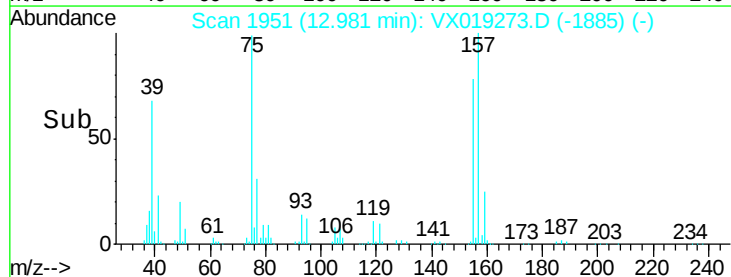
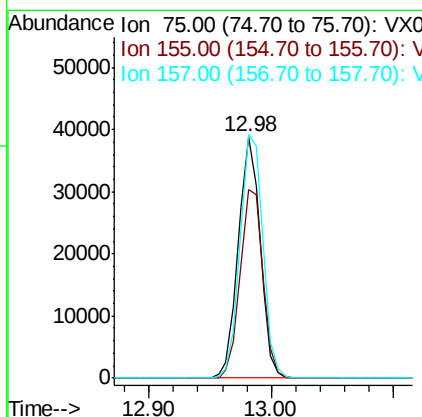
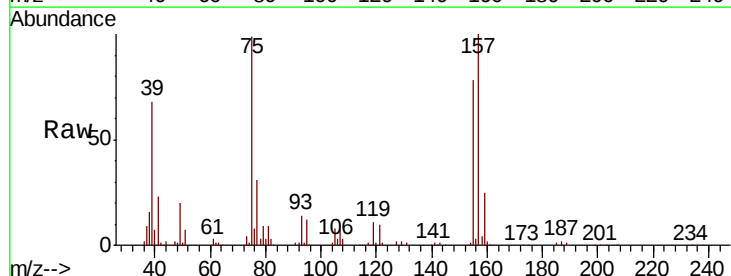
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050413

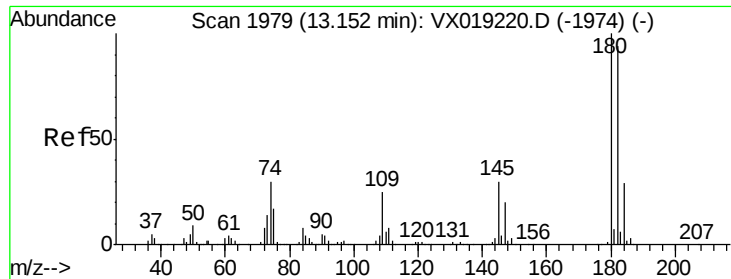
Tot Ion:146 Resp: 288248
 Ion Ratio Lower Upper
 146 100
 111 44.7 35.9 53.9
 148 62.3 52.2 78.4



#68
 1,2-Dibromo-3-chloropropane
 Concen: 54.893 ug/L
 RT: 12.98 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VX019273.D
 Acq: 04 Nov 2020 15:51

Tgt Ion: 75 Resp: 47814
 Ion Ratio Lower Upper
 75 100
 155 78.2 65.8 98.8
 157 100.9 82.6 123.8

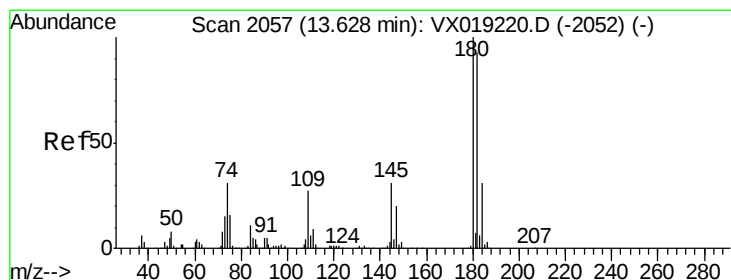
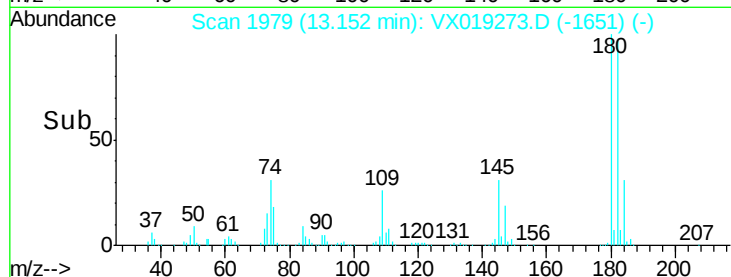
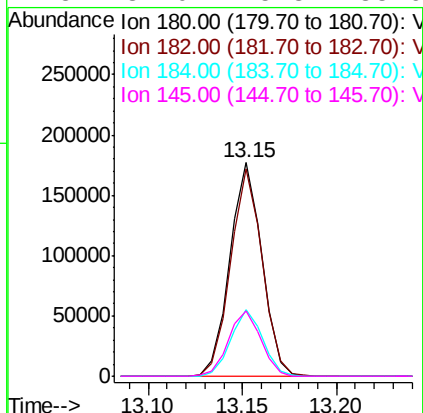
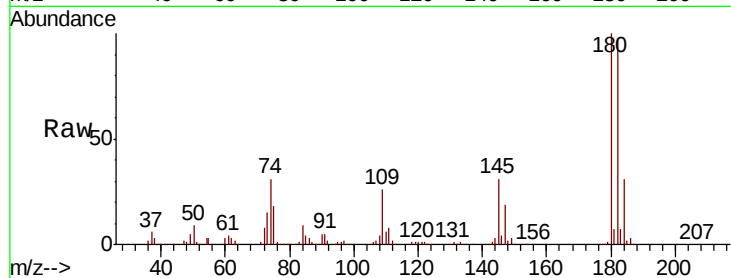




#69
 1,3,5-Trichlorobenzene
 Concen: 54.061 ug/L
 RT: 13.15 min Scan# 1979
 Delta R.T. -0.00 min
 Lab File: VX019273.D
 Acq: 04 Nov 2020 15:51

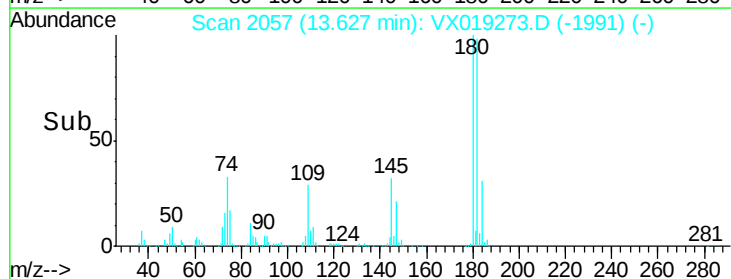
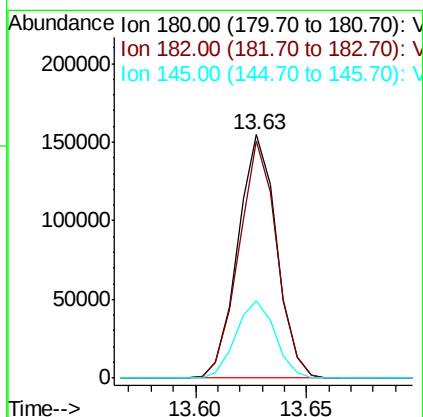
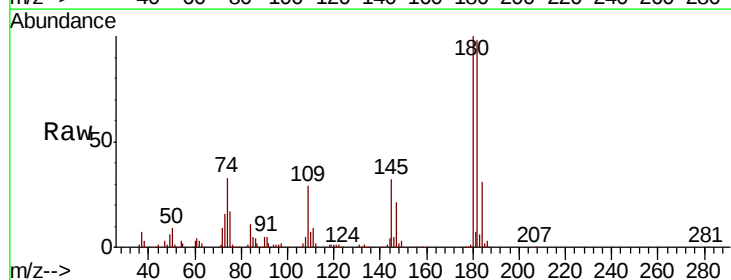
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050413

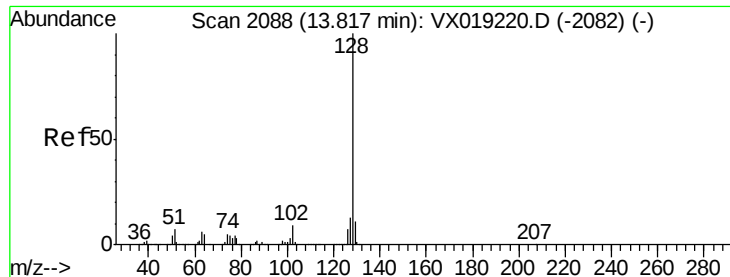
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	78.8	118.2
184	31.1	25.2	37.8
145	31.0	25.8	38.6



#70
 1,2,4-trichlorobenzene
 Concen: 52.771 ug/L
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX019273.D
 Acq: 04 Nov 2020 15:51

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	74.6	111.8
145	32.3	25.4	38.0





#71

Naphthalene

Concen: 55.583 ug/L

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX019273.D

Acq: 04 Nov 2020 15:51

Instrument :

MSVOA_V

ClientSampleId :

VSTD050413

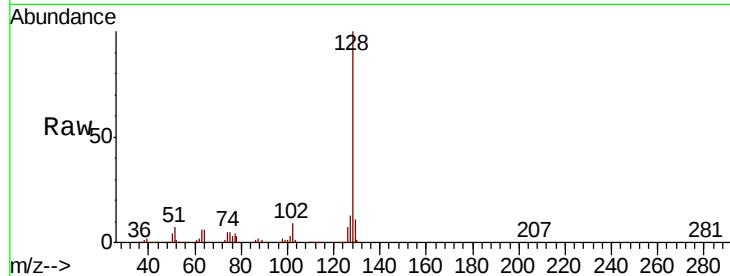
Tot Ion:128 Resp: 638255

Ion Ratio Lower Upper

128 100

127 12.7 10.1 15.1

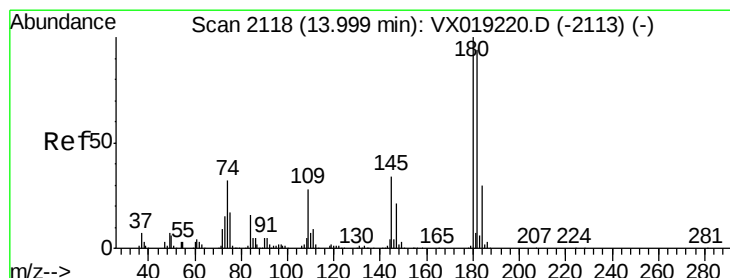
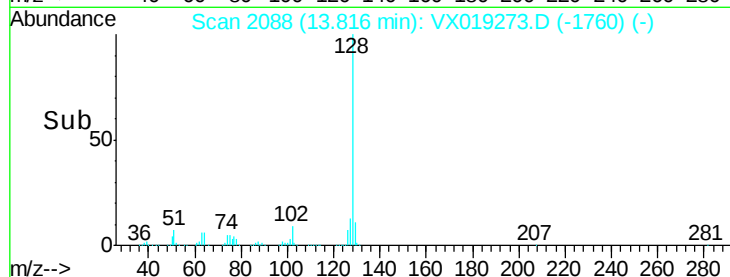
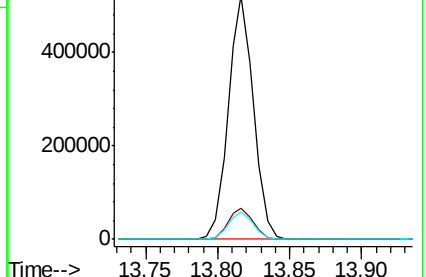
129 11.1 8.5 12.7



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



#72

1,2,3-Trichlorobenzene

Concen: 54.774 ug/L

RT: 14.00 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VX019273.D

Acq: 04 Nov 2020 15:51

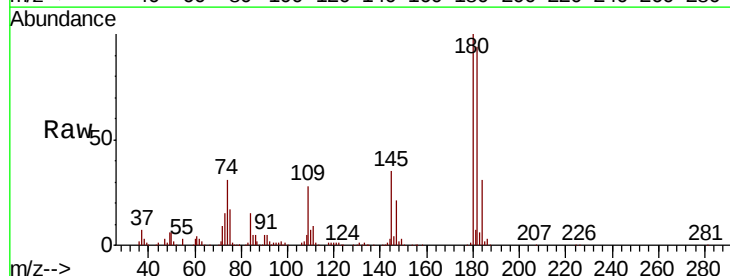
Tgt Ion:180 Resp: 190344

Ion Ratio Lower Upper

180 100

182 94.6 75.3 112.9

145 34.3 27.1 40.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

