

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110120\
 Data File : VX019201.D
 Acq On : 30 Oct 2020 14:41
 Operator : JC/MD
 Sample : L4485-14
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 MDL-WATER-07

Manual Integrations
 APPROVED

MMDadoda
 11/2/2020 10:57:05 AM

Quant Time: Oct 30 14:05:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SFAMXTR102920WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Oct 30 08:55:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.82	114	218971	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.09	117	196523	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.06	152	93303	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	54845	3.87	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.40%
7) Chloroethane-d5	1.70	69	47202	4.00	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.00%
11) 1,1-Dichloroethene-d2	2.34	63	84766	3.06	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.20%
20) 2-Butanone-d5	4.56	46	136087	43.96	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	87.92%
24) Chloroform-d	5.14	84	108241	4.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.00%
26) 1,2-Dichloroethane-d4	6.03	65	58364	3.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.60%
32) Benzene-d6	6.04	84	221901	4.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.80%
36) 1,2-Dichloropropane-d6	7.37	67	66024	4.35	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.00%
41) Toluene-d8	8.70	98	203566	3.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.20%
43) trans-1,3-Dichloropropene-	8.99	79	25601	3.92	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.40%
46) 2-Hexanone-d5	9.43	63	125547	43.90	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.80%
56) 1,1,2,2-Tetrachloroethane-	11.23	84	47896	4.11	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	82.20%
66) 1,2-Dichlorobenzene-d4	12.36	152	70987	4.10	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	82.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.18	85	4052	0.224	ug/L	99
3) Chloromethane	1.31	50	3713	0.238	ug/L	98
5) Vinyl chloride	1.39	62	4181	0.238	ug/L #	78
6) Bromomethane	1.64	94	2927	0.258	ug/L	99
8) Chloroethane	1.72	64	2614	0.245	ug/L	97
9) Trichlorofluoromethane	1.92	101	6001	0.236	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.36	101	3997	0.277	ug/L	86
12) 1,1-Dichloroethene	2.36	96	3720	0.265	ug/L #	1
13) Acetone	2.47	43	4147	2.349	ug/L	92
14) Carbon disulfide	2.55	76	9546	0.219	ug/L	99
15) Methyl Acetate	2.75	43	1312	0.279	ug/L	93
16) Methylene chloride	2.83	84	7372	0.440	ug/L	96
17) Methyl tert-butyl Ether	3.17	73	7827	0.233	ug/L #	92
18) trans-1,2-Dichloroethene	3.14	96	3186	0.216	ug/L	92
19) 1,1-Dichloroethane	3.67	63	5629	0.223	ug/L	97
21) 2-Butanone	4.66	43	6418m	2.070	ug/L	
22) cis-1,2-Dichloroethene	4.56	96	3556	0.226	ug/L	92

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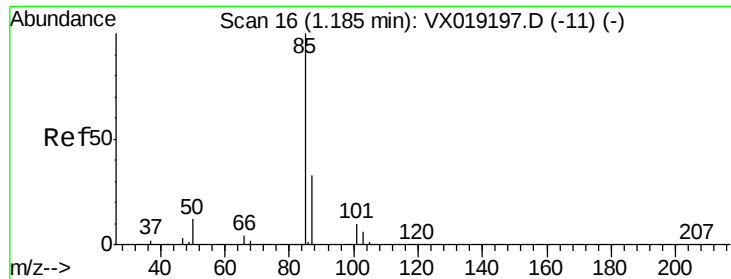
MMDadoda
 11/2/2020 10:57:05 AM

Quant Time: Oct 30 14:05:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SFAMXTR102920WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Oct 30 08:55:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.99	128	1493	0.228	ug/L #	67
25) Chloroform	5.18	83	6923	0.263	ug/L	85
27) 1,2-Dichloroethane	6.15	62	3996	0.243	ug/L	99
29) 1,1,1-Trichloroethane	5.46	97	5279	0.218	ug/L	98
30) Cyclohexane	5.54	56	5406	0.224	ug/L	98
31) Carbon tetrachloride	5.75	117	4451	0.215	ug/L	100
33) Benzene	6.11	78	13327	0.228	ug/L	100
34) Trichloroethene	7.18	95	3712	0.232	ug/L #	72
35) Methylcyclohexane	7.43	83	5792	0.224	ug/L	97
37) 1,2-Dichloropropane	7.49	63	3091	0.224	ug/L #	95
38) Bromodichloromethane	7.87	83	3781	0.210	ug/L #	94
39) cis-1,3-Dichloropropene	8.42	75	4456	0.210	ug/L	98
40) 4-Methyl-2-pentanone	8.62	43	16449	2.232	ug/L #	86
42) Toluene	8.76	91	14161	0.224	ug/L	98
44) trans-1,3-Dichloropropene	9.02	75	4835	0.272	ug/L	93
45) 1,1,2-Trichloroethane	9.20	97	2355	0.234	ug/L	89
47) Tetrachloroethene	9.32	164	2953	0.242	ug/L	92
48) 2-Hexanone	9.48	43	12455	2.417	ug/L	97
49) Dibromochloromethane	9.56	129	2438	0.209	ug/L	100
50) 1,2-Dibromoethane	9.65	107	2163	0.232	ug/L #	91
51) Chlorobenzene	10.12	112	8620	0.215	ug/L	91
52) Ethylbenzene	10.23	91	15056	0.213	ug/L	97
53) m,p-xylene	10.34	106	5636	0.208	ug/L	96
54) o-xylene	10.68	106	5483	0.211	ug/L	96
55) Styrene	10.70	104	8326	0.196	ug/L	99
57) 1,1,2,2-Tetrachloroethane	11.25	83	2830	0.247	ug/L #	92
59) Bromoform	10.84	173	1247	0.204	ug/L #	99
60) Isopropylbenzene	11.00	105	14328	0.209	ug/L	99
61) 1,2,3-Trichloropropane	11.28	75	1914	0.229	ug/L	98
62) 1,3,5-Trimethylbenzene	11.49	105	11644	0.203	ug/L	100
63) 1,2,4-Trimethylbenzene	11.79	105	11454	0.197	ug/L	98
64) 1,3-Dichlorobenzene	12.01	146	6425	0.211	ug/L	94
65) 1,4-Dichlorobenzene	12.08	146	6624	0.218	ug/L	96
67) 1,2-Dichlorobenzene	12.38	146	6272	0.224	ug/L	96
68) 1,2-Dibromo-3-chloropropan	12.98	75	436	0.228	ug/L #	69
69) 1,3,5-Trichlorobenzene	13.15	180	4802	0.215	ug/L	98
70) 1,2,4-trichlorobenzene	13.63	180	3852	0.197	ug/L	96
71) Naphthalene	13.82	128	6251	0.178	ug/L #	96
72) 1,2,3-Trichlorobenzene	14.01	180	3446	0.200	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 0.224 ug/L

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX019201.D

Acq: 30 Oct 2020 14:41

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-07

Tot Ion: 85 Resp: 4052

Ion Ratio Lower Upper

85 100

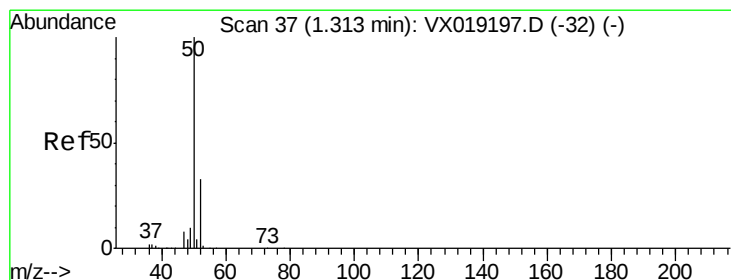
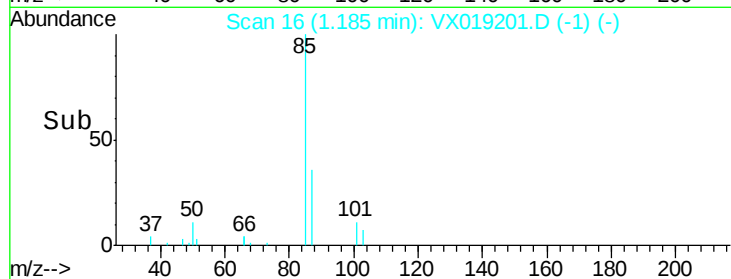
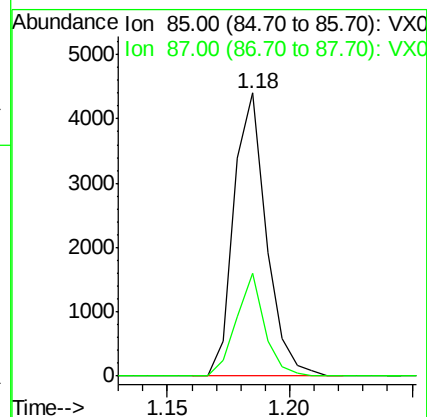
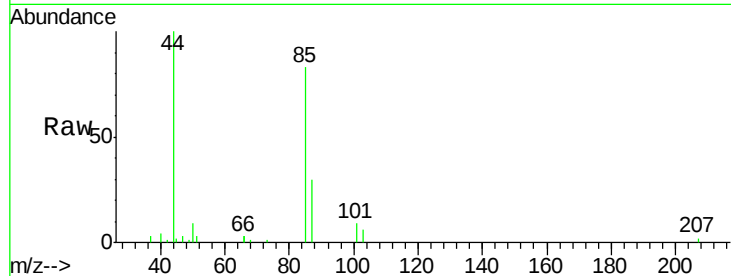
87 31.8 26.1 39.1

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#3

Chloromethane

Concen: 0.238 ug/L

RT: 1.31 min Scan# 36

Delta R.T. 0.00 min

Lab File: VX019201.D

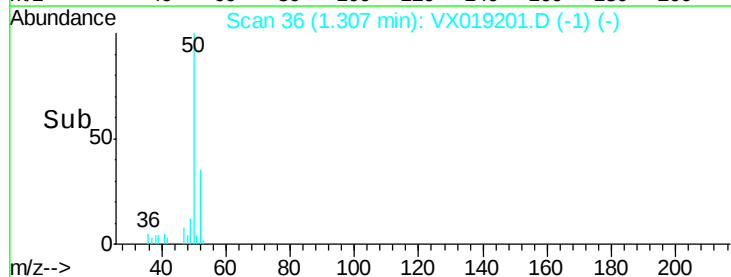
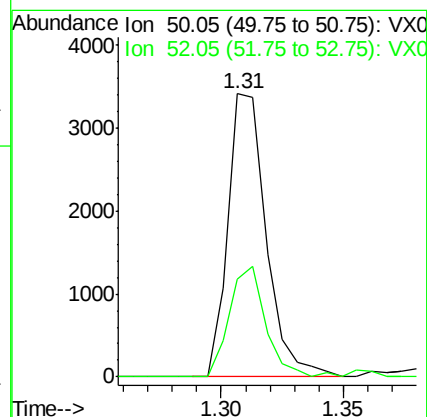
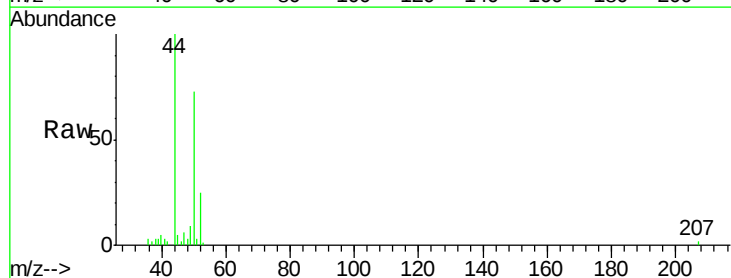
Acq: 30 Oct 2020 14:41

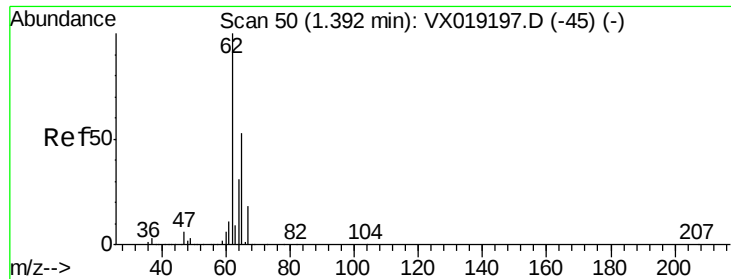
Tgt Ion: 50 Resp: 3713

Ion Ratio Lower Upper

50 100

52 34.5 23.4 43.6





#5

Vinyl chloride

Concen: 0.238 ug/L

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX019201.D

Acq: 30 Oct 2020 14:41

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-07

Tot Ion: 62 Resp: 4181

Ion Ratio Lower Upper

62 100

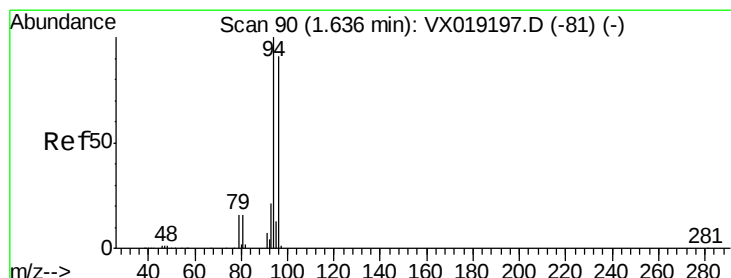
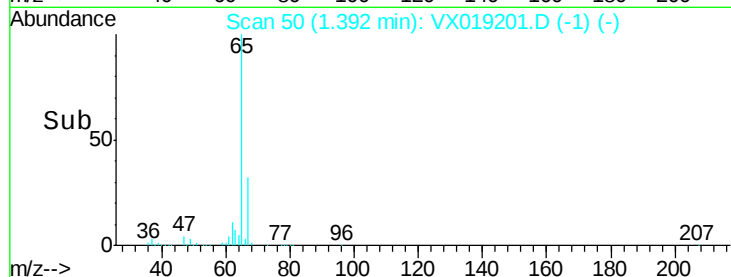
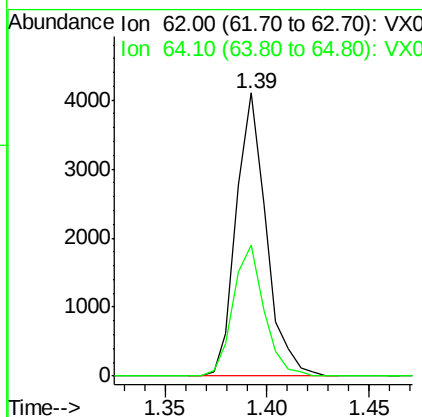
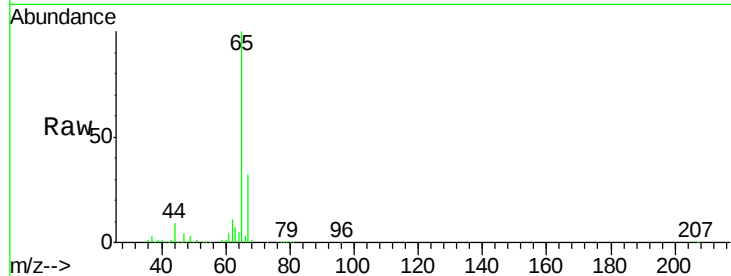
64 46.1 23.5 43.7#

Manual Integrations

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#6

Bromomethane

Concen: 0.258 ug/L

RT: 1.64 min Scan# 90

Delta R.T. 0.00 min

Lab File: VX019201.D

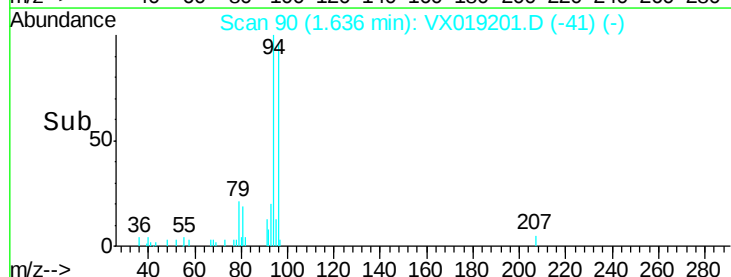
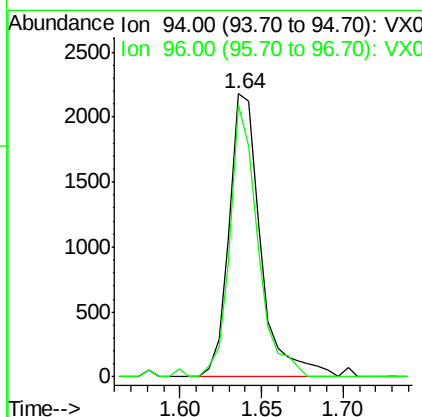
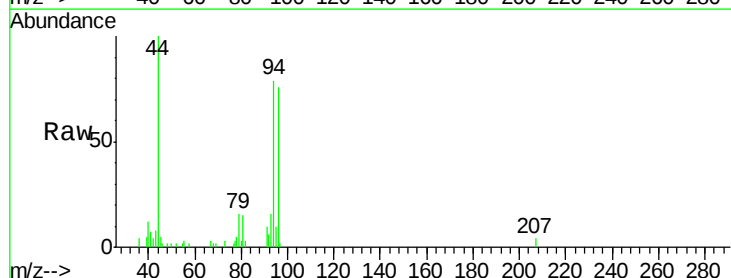
Acq: 30 Oct 2020 14:41

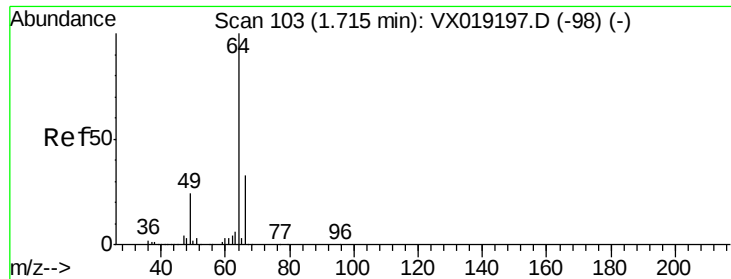
Tgt Ion: 94 Resp: 2927

Ion Ratio Lower Upper

94 100

96 96.1 67.9 126.1





#8

Chloroethane

Concen: 0.245 ug/L

RT: 1.72 min Scan# 103

Delta R.T. 0.00 min

Lab File: VX019201.D

Acq: 30 Oct 2020 14:41

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-07

Tot Ion: 64 Resp: 2614

Ion Ratio Lower Upper

64 100

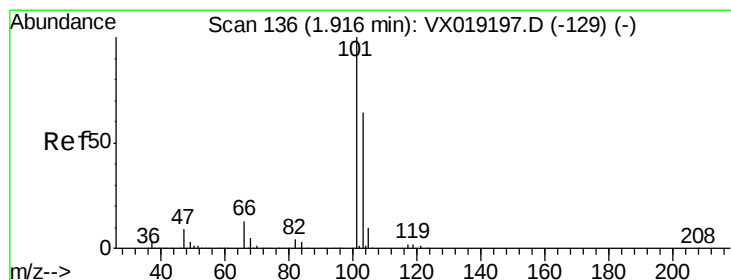
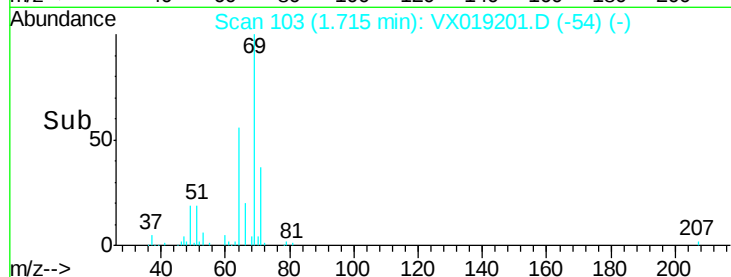
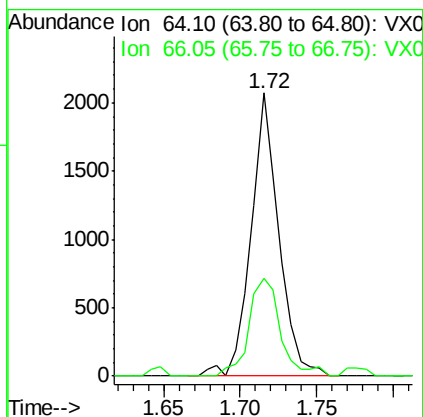
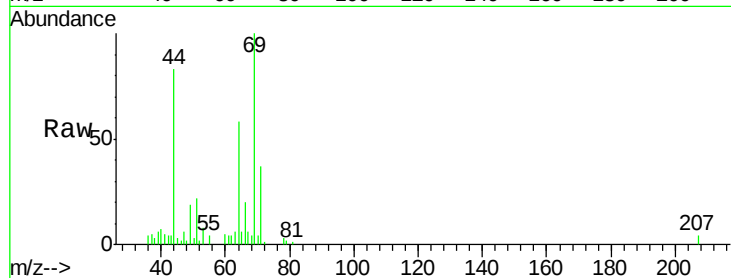
66 34.3 22.7 42.1

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#9

Trichlorofluoromethane

Concen: 0.236 ug/L

RT: 1.92 min Scan# 136

Delta R.T. 0.00 min

Lab File: VX019201.D

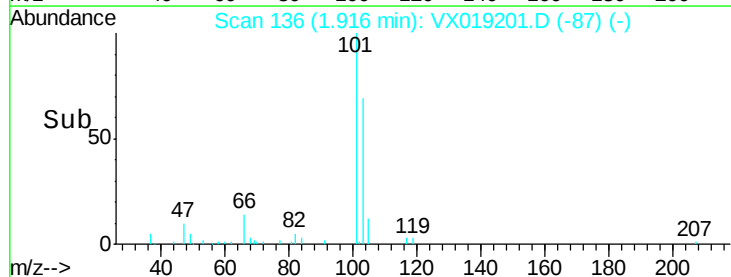
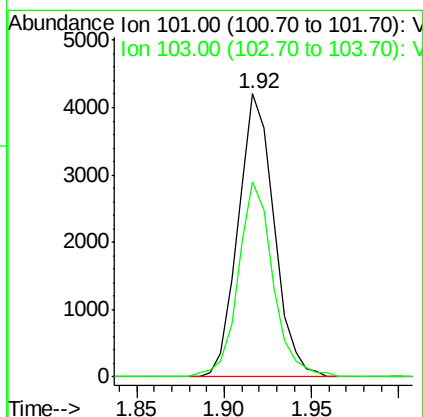
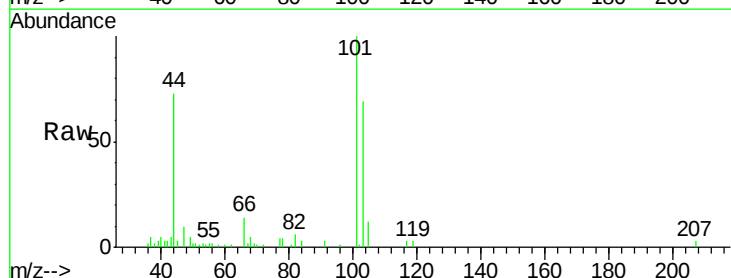
Acq: 30 Oct 2020 14:41

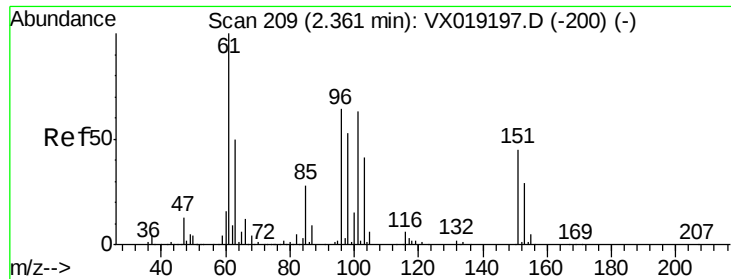
Tgt Ion: 101 Resp: 6001

Ion Ratio Lower Upper

101 100

103 66.5 51.9 77.9





#10

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

Concen: 0.277 ug/L

RT: 2.36 min Scan# 209

Delta R.T. -0.01 min

Lab File: VX019201.D

Acq: 30 Oct 2020 14:41

Instrument :

MSVOA_X

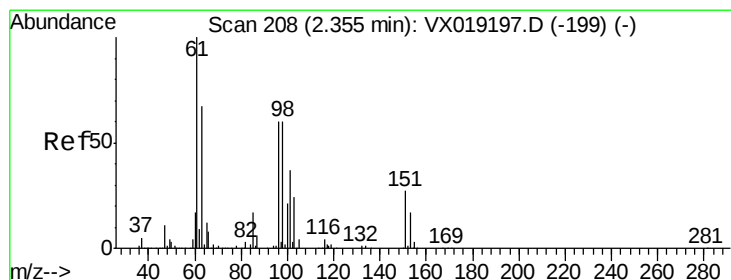
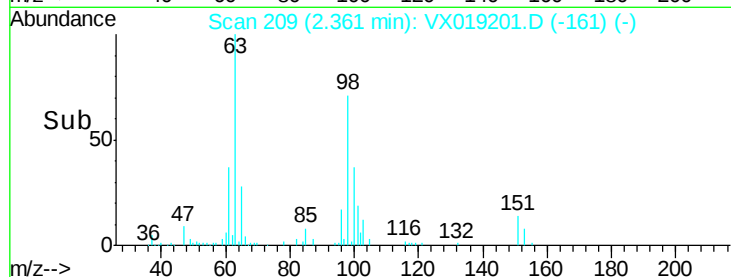
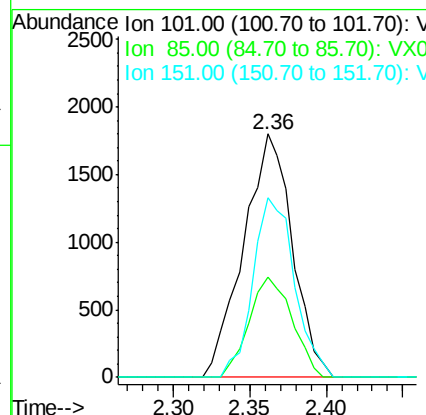
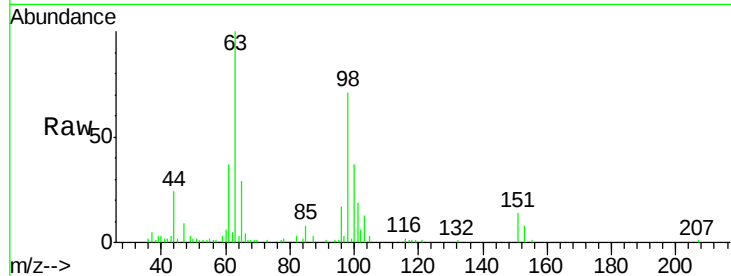
ClientSampleId :

MDL-WATER-07

Tot Ion:	101	Resp:	3997
Ion Ratio	Lower	Upper	
101	100		
85	36.3	35.3	52.9
151	62.9	60.9	91.3

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#12

1,1-Dichloroethene

Concen: 0.265 ug/L

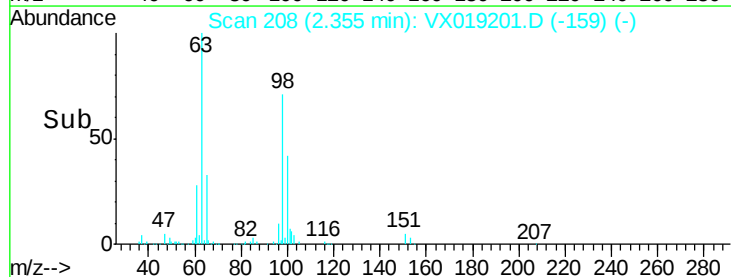
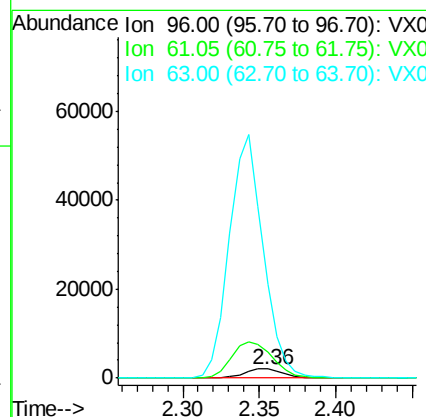
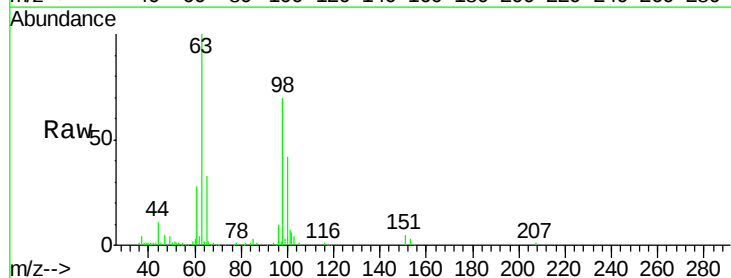
RT: 2.36 min Scan# 208

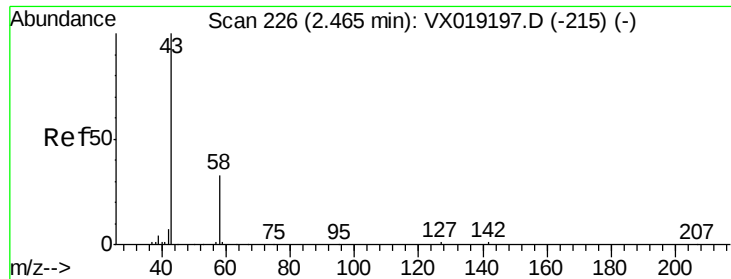
Delta R.T. 0.00 min

Lab File: VX019201.D

Acq: 30 Oct 2020 14:41

Tgt Ion:	96	Resp:	3720
Ion Ratio	Lower	Upper	
96	100		
61	284.4	109.5	203.3#
63	1030.5	68.3	126.9#





#13

Acetone

Concen: 2.349 ug/L

RT: 2.47 min Scan# 226

Delta R.T. 0.01 min

Lab File: VX019201.D

Acq: 30 Oct 2020 14:41

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-07

Tot Ion: 43 Resp: 4147

Ion Ratio Lower Upper

43 100

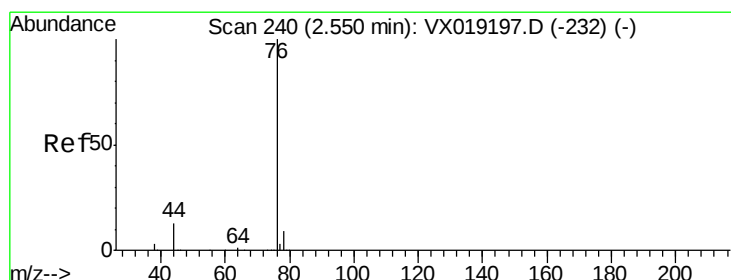
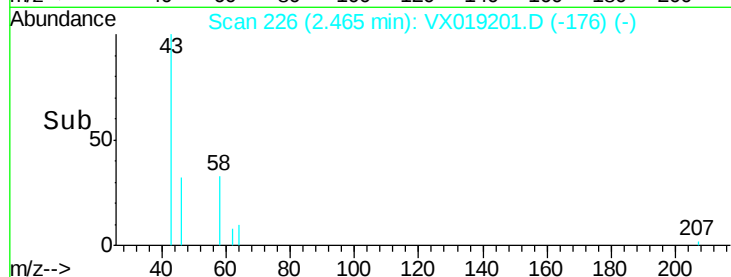
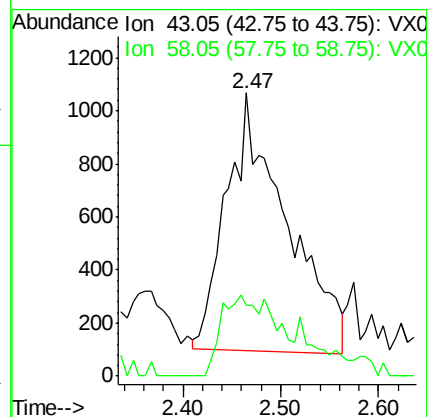
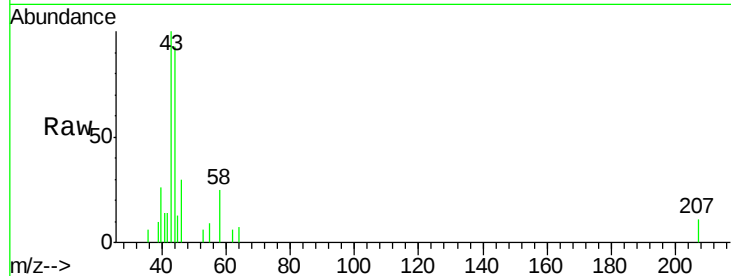
58 28.4 0.0 65.4

Manual Integrations

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#14

Carbon disulfide

Concen: 0.219 ug/L

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX019201.D

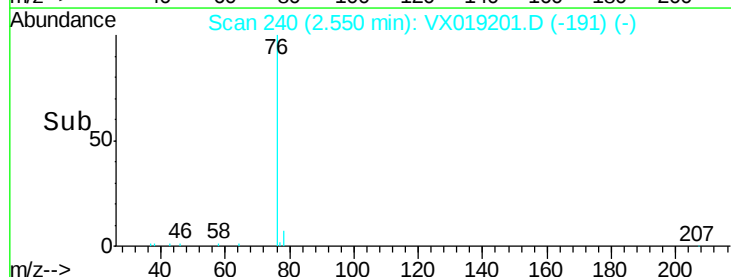
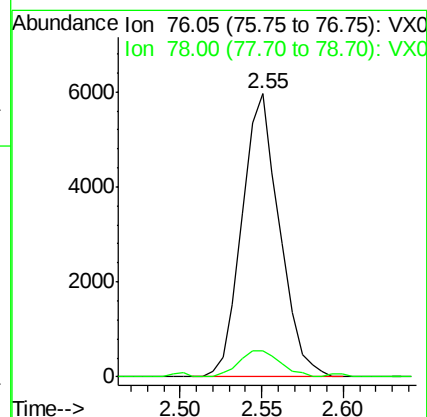
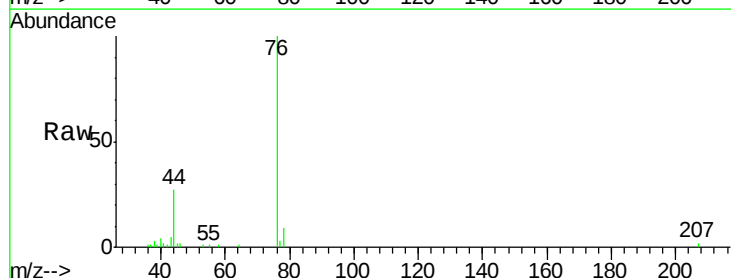
Acq: 30 Oct 2020 14:41

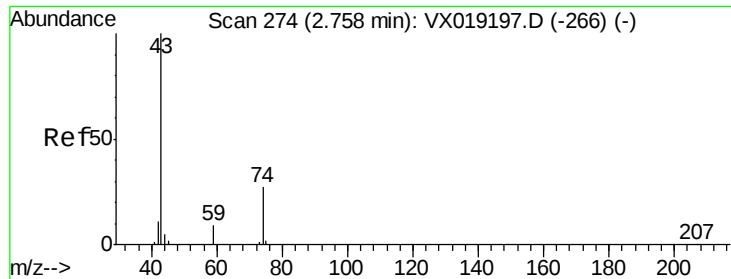
Tgt Ion: 76 Resp: 9546

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.0





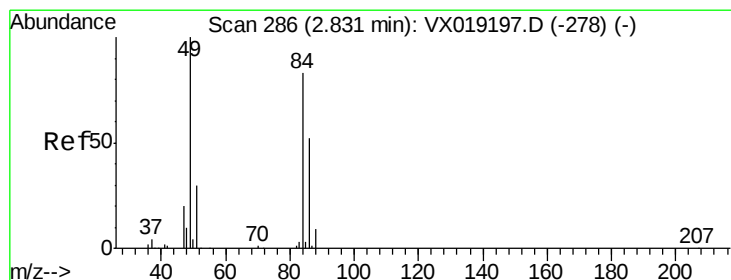
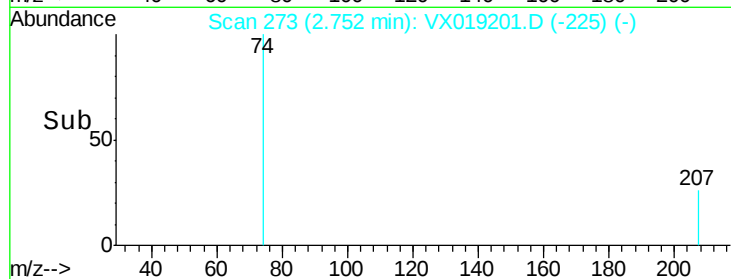
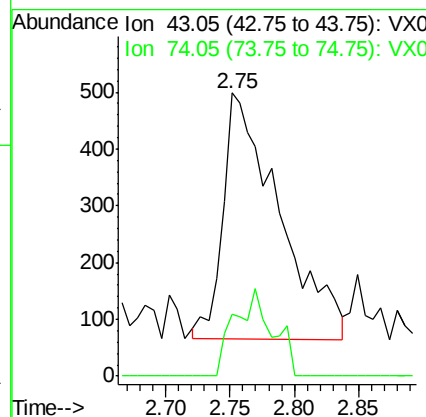
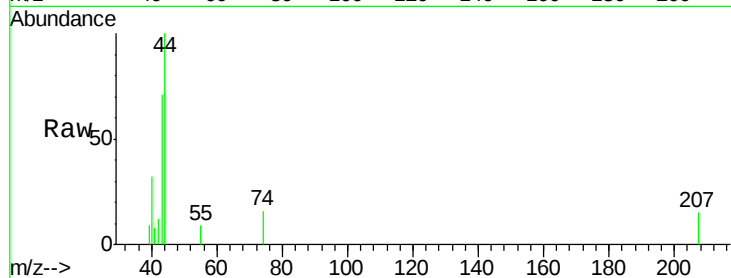
#15
Methyl Acetate
Concen: 0.279 ug/L
RT: 2.75 min Scan# 273
Delta R.T. -0.01 min
Lab File: VX019201.D
Acq: 30 Oct 2020 14:41

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-07

Tot Ion	Ratio	Lower	Upper
43	100		
74	24.2	22.3	33.5

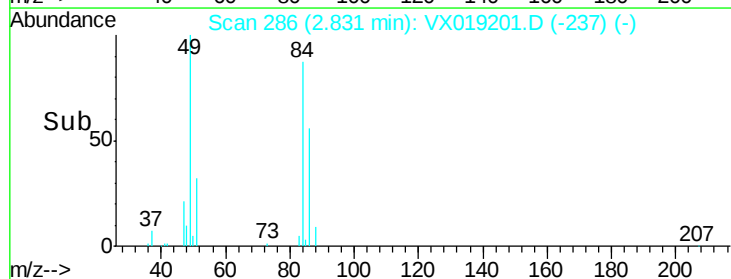
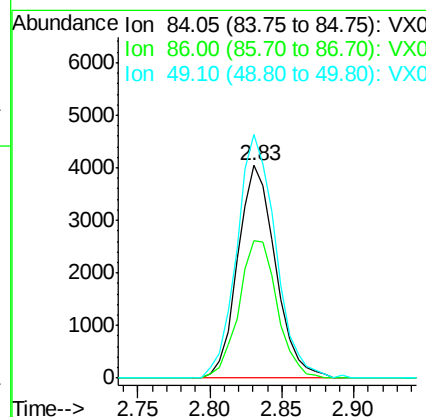
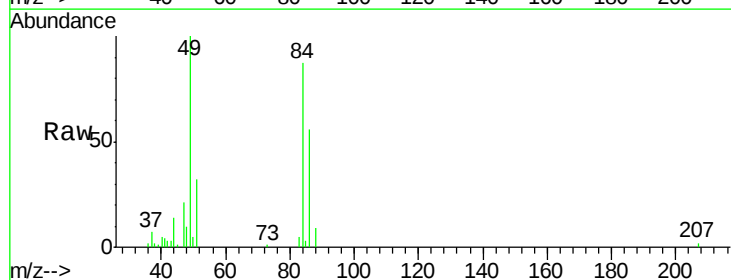
Manual Integrations
APPROVED

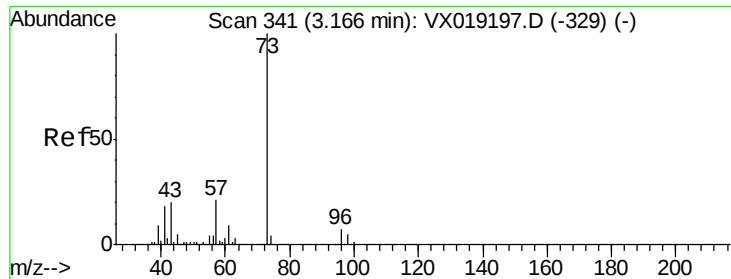
MMDadoda
11/2/2020 10:57:05 AM



#16
Methylene chloride
Concen: 0.440 ug/L
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX019201.D
Acq: 30 Oct 2020 14:41

Tgt Ion	Ratio	Lower	Upper
84	100		
86	64.5	42.2	78.4
49	114.6	77.5	143.9





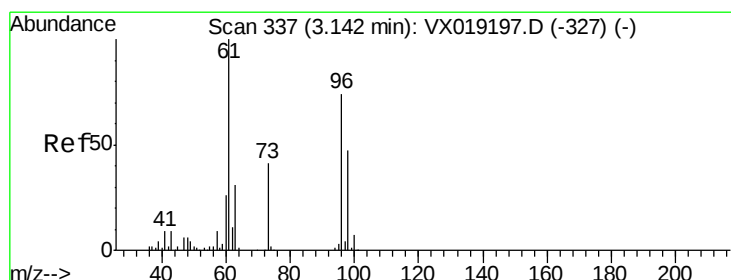
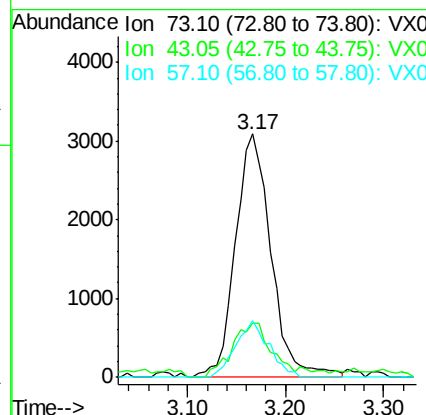
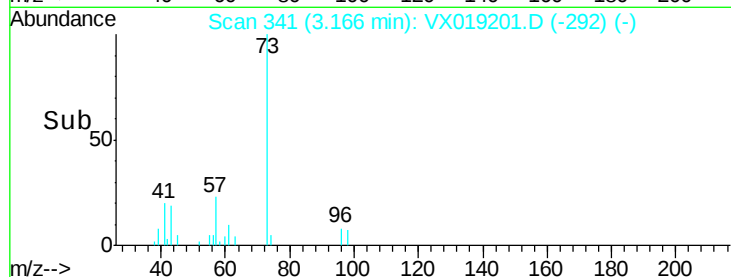
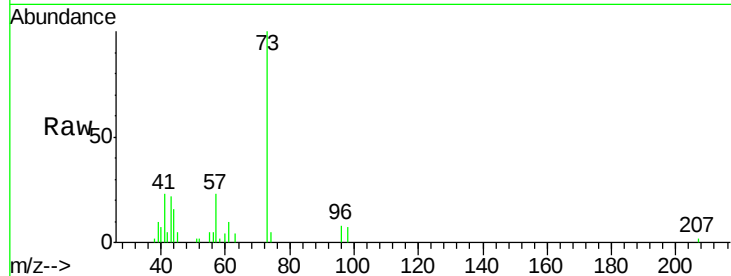
#17
Methvl tert-butvl Ether
Concen: 0.233 ug/L
RT: 3.17 min Scan# 341
Delta R.T. 0.00 min
Lab File: VX019201.D
Acq: 30 Oct 2020 14:41

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-07

Tot Ion	Ratio	Lower	Upper
73	100		
43	26.9	16.1	24.1#
57	21.4	16.8	25.2

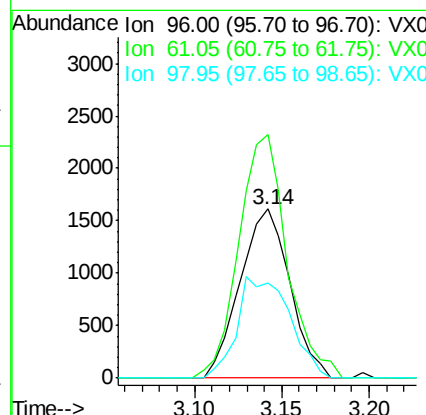
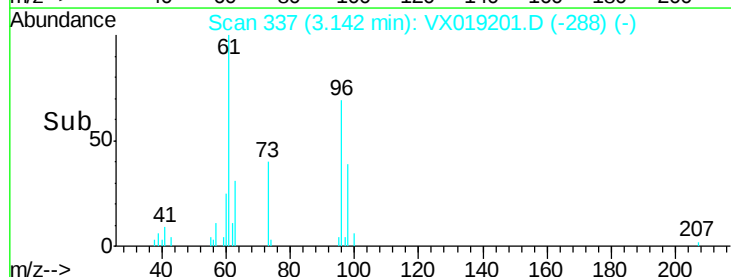
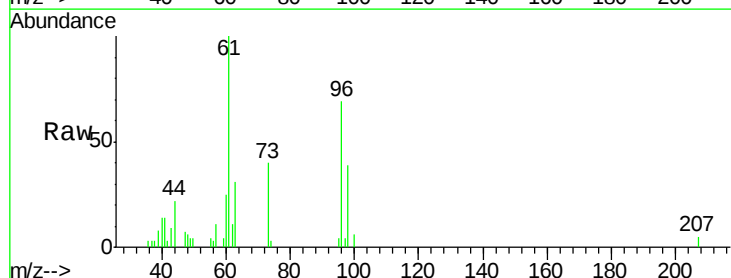
Manual Integrations
APPROVED

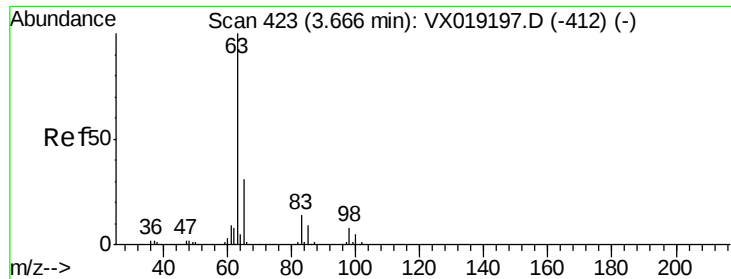
MMDadoda
11/2/2020 10:57:05 AM



#18
trans-1,2-Dichloroethene
Concen: 0.216 ug/L
RT: 3.14 min Scan# 337
Delta R.T. 0.00 min
Lab File: VX019201.D
Acq: 30 Oct 2020 14:41

Tgt Ion	Ratio	Lower	Upper
96	100		
61	144.0	93.7	173.9
98	56.0	42.8	79.6





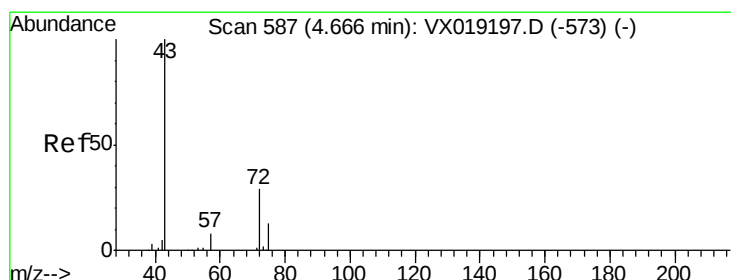
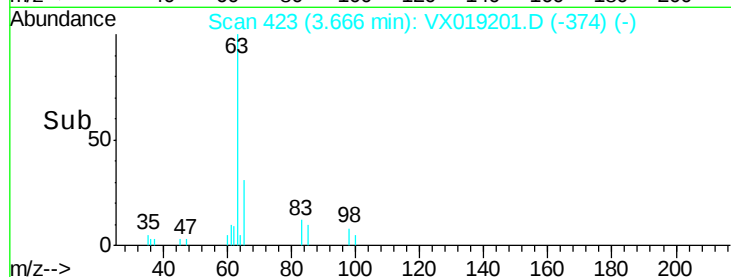
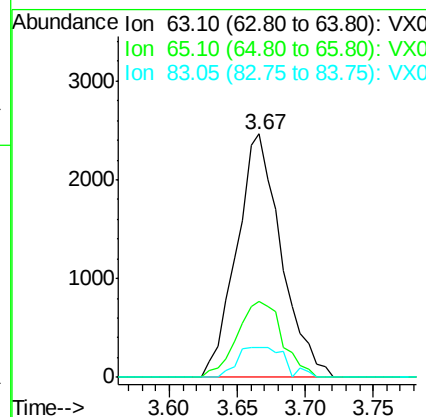
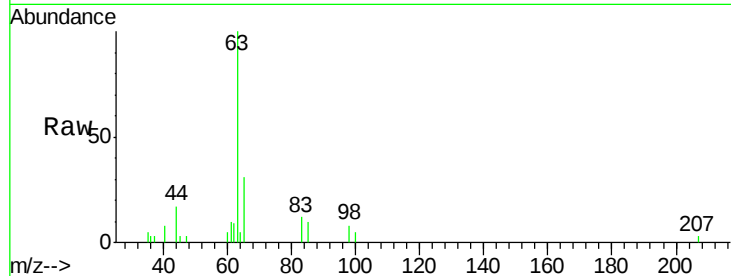
#19
 1,1-Dichloroethane
 Concen: 0.223 ug/L
 RT: 3.67 min Scan# 423
 Delta R.T. 0.00 min
 Lab File: VX019201.D
 Acq: 30 Oct 2020 14:41

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-07

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.9	22.5	41.9
83	12.1	9.7	17.9

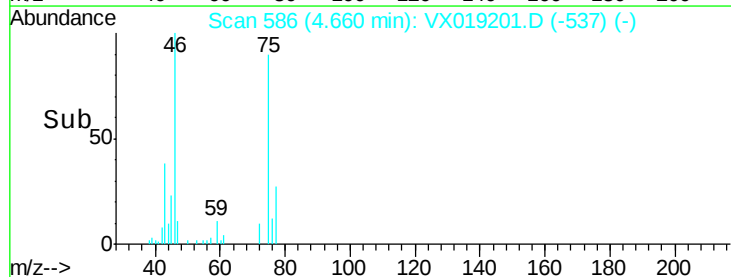
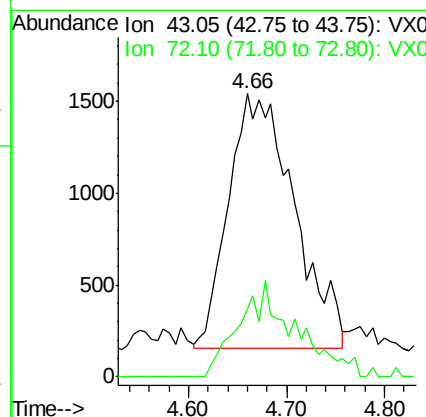
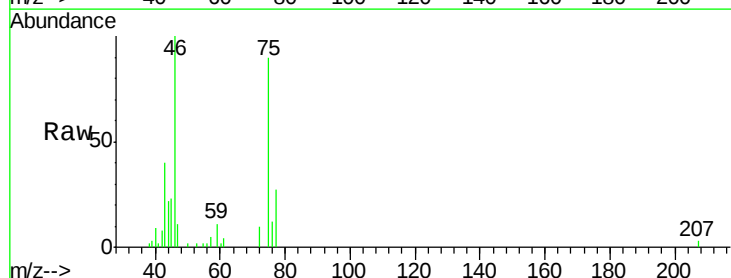
Manual Integrations
 APPROVED

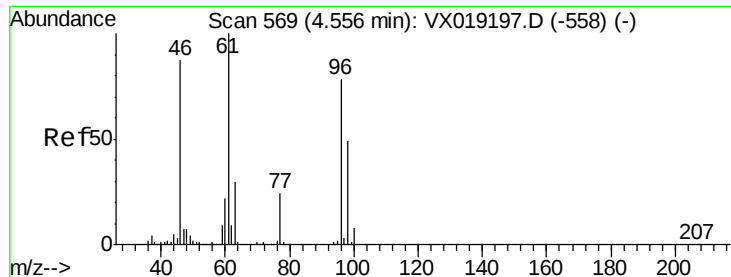
MMDadoda
 11/2/2020 10:57:05 AM



#21
 2-Butanone
 Concen: 2.070 ug/L m
 RT: 4.66 min Scan# 586
 Delta R.T. 0.00 min
 Lab File: VX019201.D
 Acq: 30 Oct 2020 14:41

Tgt Ion	Ratio	Lower	Upper
43	100		
72	13.0	14.4	43.4#





#22

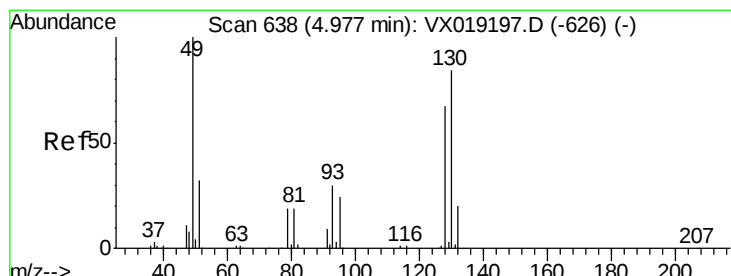
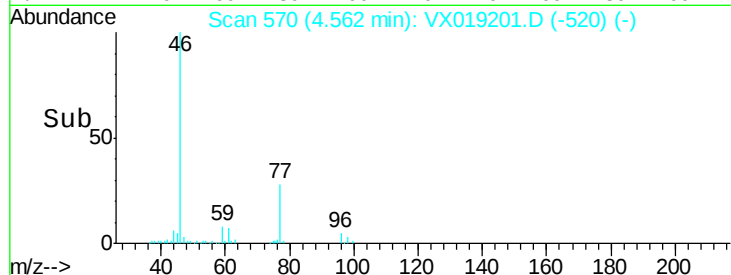
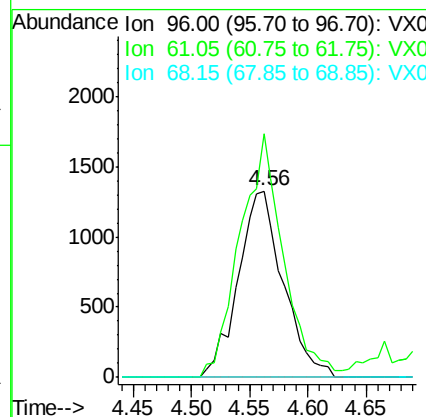
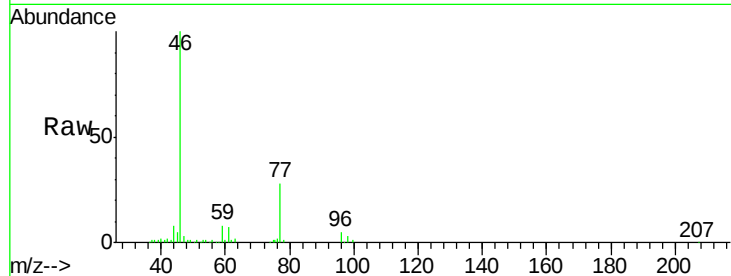
cis-1,2-Dichloroethene
Concen: 0.226 ug/L
RT: 4.56 min Scan# 570
Delta R.T. 0.01 min
Lab File: VX019201.D
Acq: 30 Oct 2020 14:41

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-07

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.9	85.7	159.1
68	0.0	0.0	0.0

Manual Integrations
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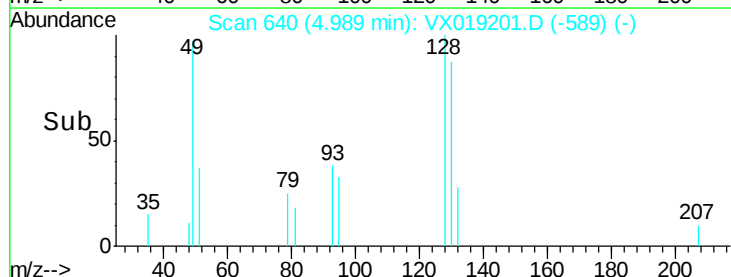
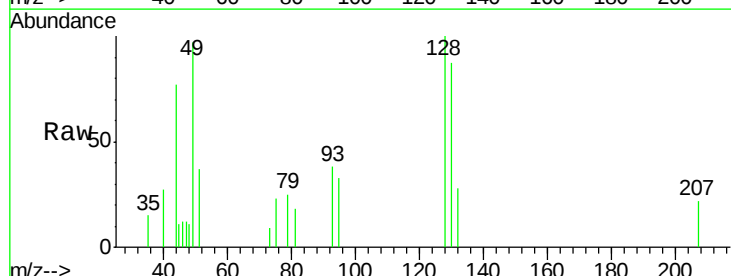
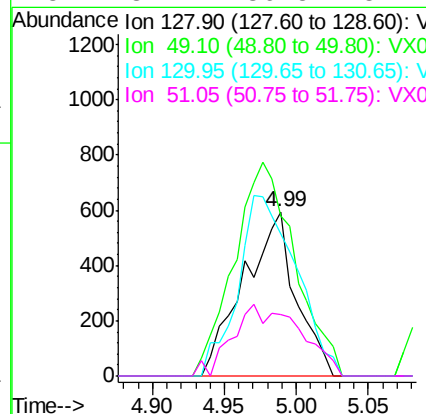
MMDadoda
11/2/2020 10:57:05 AM

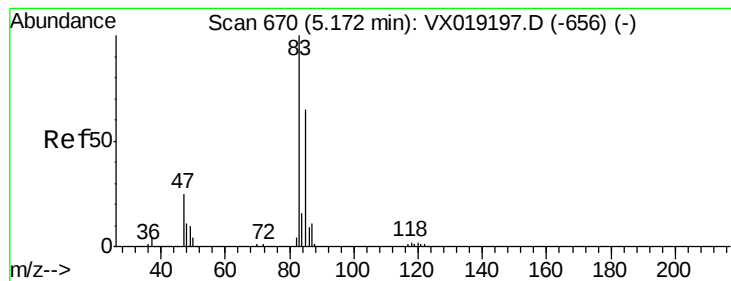


#23

Bromochloromethane
Concen: 0.228 ug/L
RT: 4.99 min Scan# 640
Delta R.T. 0.01 min
Lab File: VX019201.D
Acq: 30 Oct 2020 14:41

Tgt Ion	Ratio	Lower	Upper
128	100		
49	97.3	102.8	191.0#
130	86.6	86.3	160.3
51	37.1	36.5	54.7





#25

Chloroform

Concen: 0.263 ug/L

RT: 5.18 min Scan# 671

Delta R.T. 0.01 min

Lab File: VX019201.D

Acq: 30 Oct 2020 14:41

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-07

Tot Ion: 83 Resp: 6923

Ion Ratio Lower Upper

83 100

85 56.1

47.6

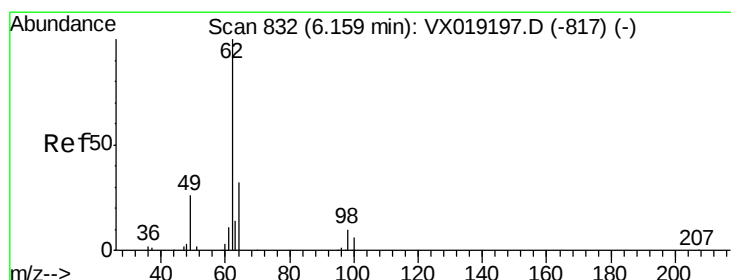
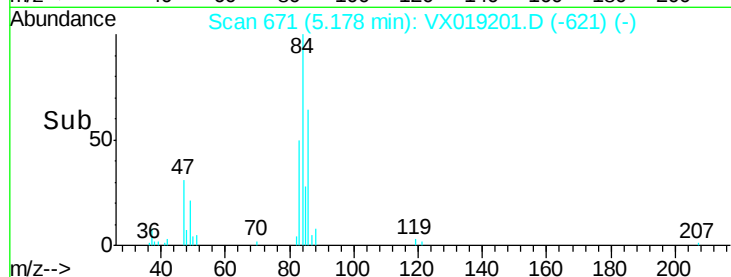
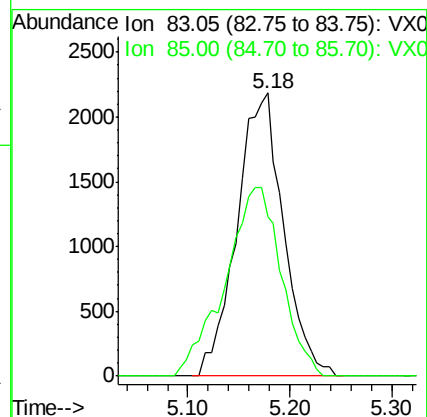
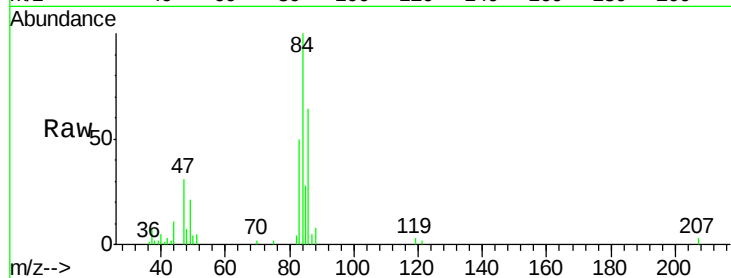
88.4

Manual Integrations

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11/2/2020 10:57:05 AM



#27

1,2-Dichloroethane

Concen: 0.243 ug/L

RT: 6.15 min Scan# 831

Delta R.T. 0.00 min

Lab File: VX019201.D

Acq: 30 Oct 2020 14:41

Tgt Ion: 62 Resp: 3996

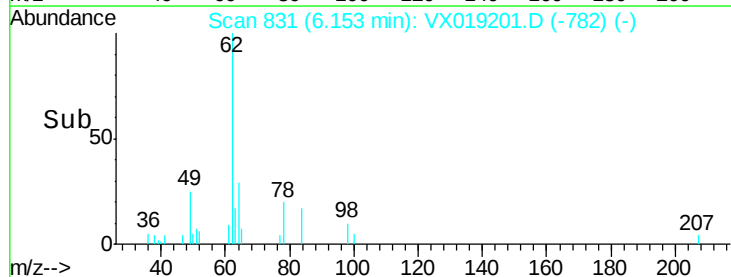
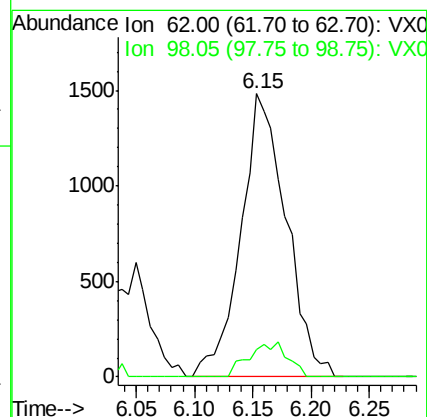
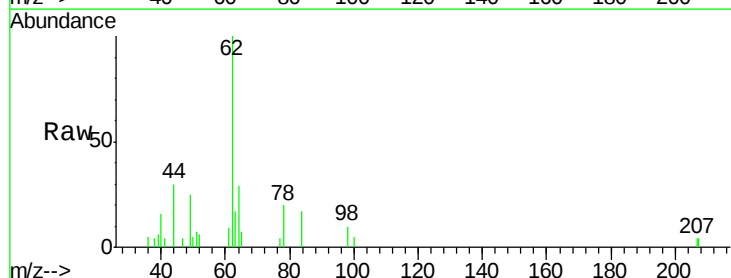
Ion Ratio Lower Upper

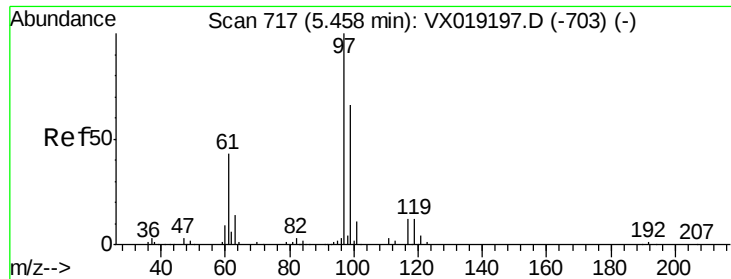
62 100

98 9.7

7.4

11.0





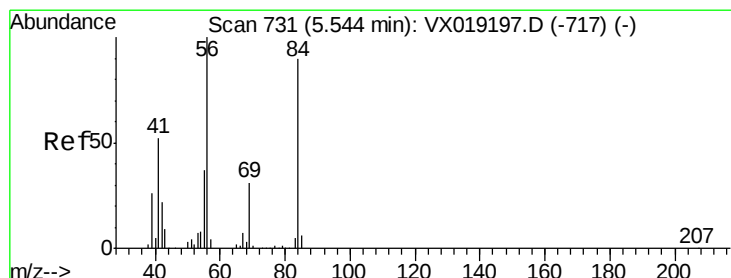
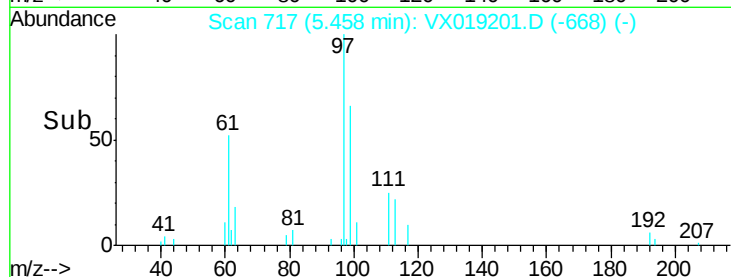
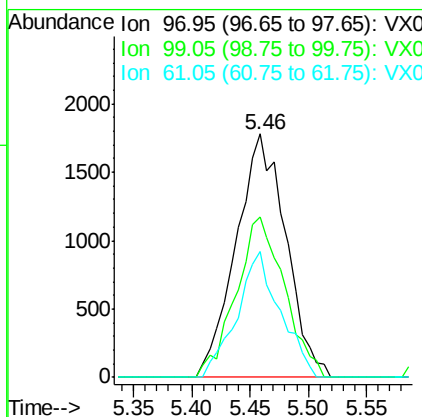
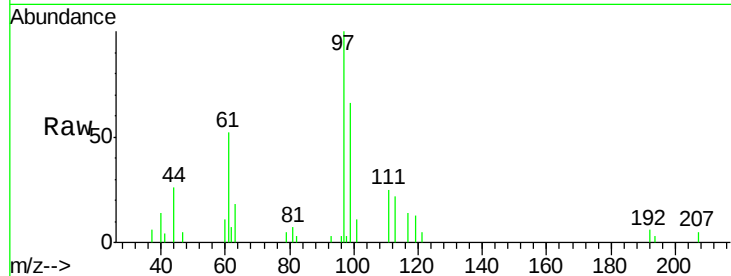
#29
1,1,1-Trichloroethane
Concen: 0.218 ug/L
RT: 5.46 min Scan# 717
Delta R.T. 0.00 min
Lab File: VX019201.D
Acq: 30 Oct 2020 14:41

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-07

Tot Ion:	97	Resp:	5279
Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.8	77.8
61	44.7	34.5	51.7

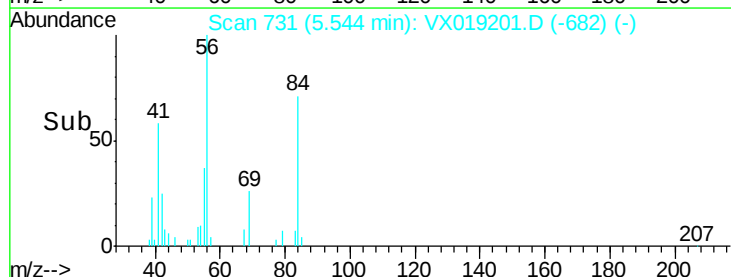
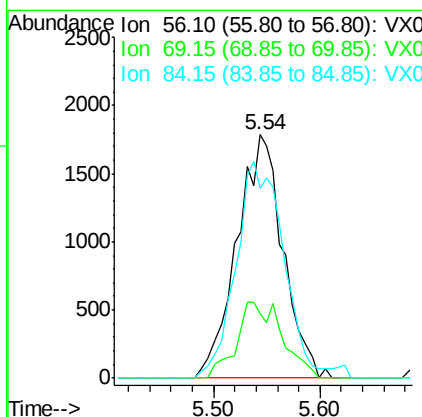
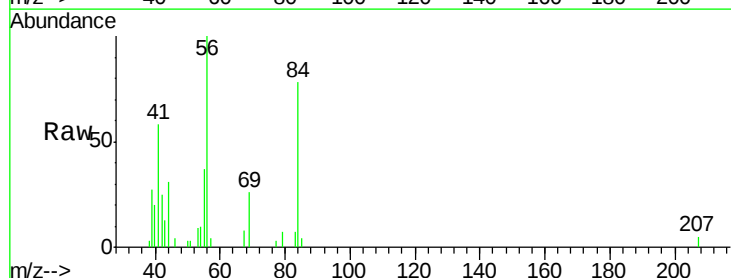
Manual Integrations
APPROVED

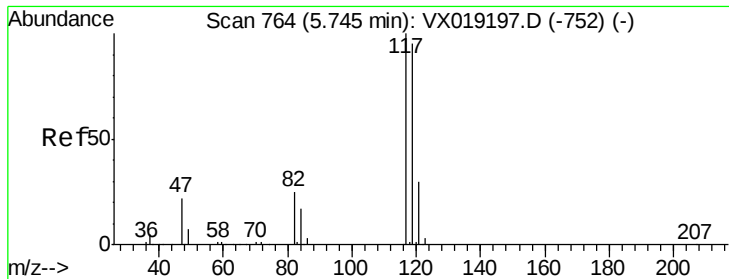
MMDadoda
11/2/2020 10:57:05 AM



#30
Cyclohexane
Concen: 0.224 ug/L
RT: 5.54 min Scan# 731
Delta R.T. 0.00 min
Lab File: VX019201.D
Acq: 30 Oct 2020 14:41

Tgt Ion:	56	Resp:	5406
Ion	Ratio	Lower	Upper
56	100		
69	30.8	26.2	39.2
84	92.3	74.5	111.7





#31

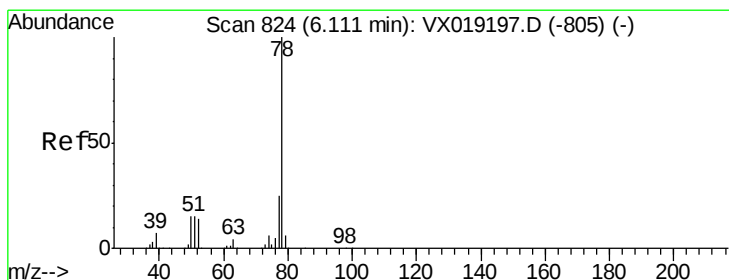
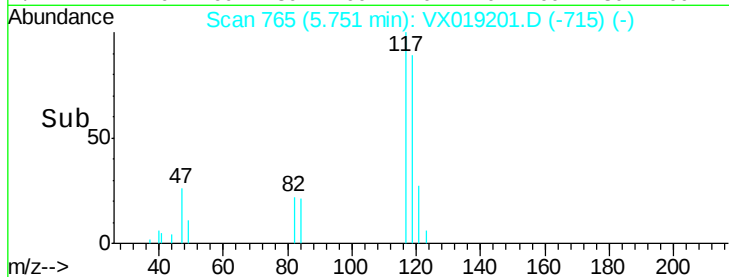
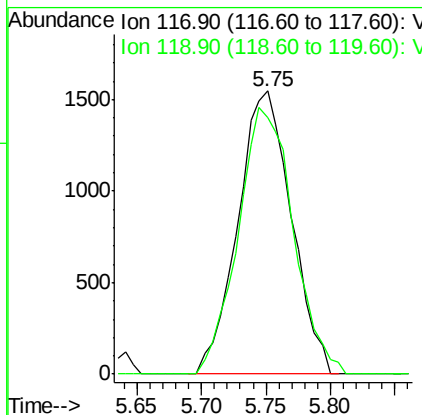
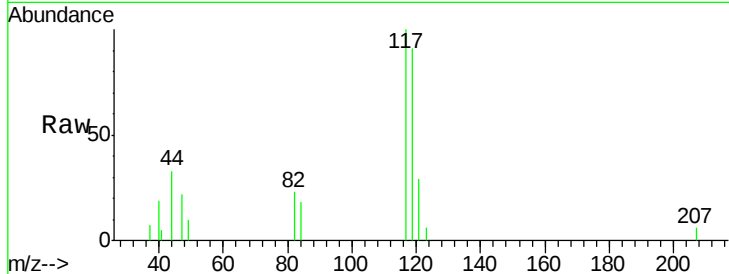
Carbon tetrachloride
Concen: 0.215 ug/L
RT: 5.75 min Scan# 765
Delta R.T. 0.01 min
Lab File: VX019201.D
Acq: 30 Oct 2020 14:41

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-07

Tot Ion	Ratio	Lower	Upper
117	100		
119	97.1	77.3	115.9

Manual Integrations
APPROVED

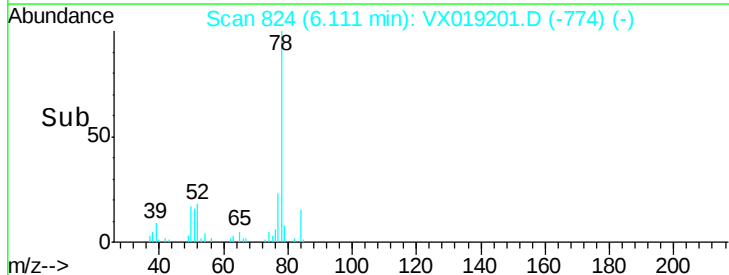
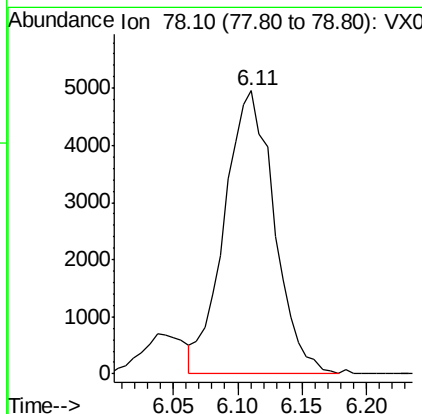
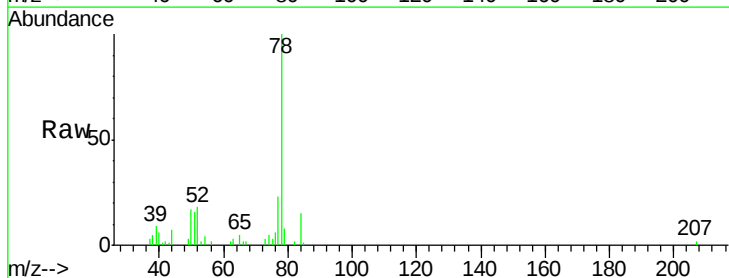
MMDadoda
11/2/2020 10:57:05 AM

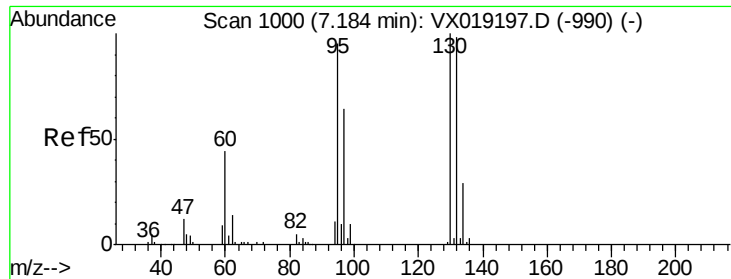


#33

Benzene
Concen: 0.228 ug/L
RT: 6.11 min Scan# 824
Delta R.T. 0.01 min
Lab File: VX019201.D
Acq: 30 Oct 2020 14:41

Tgt Ion: 78 Resp: 13327





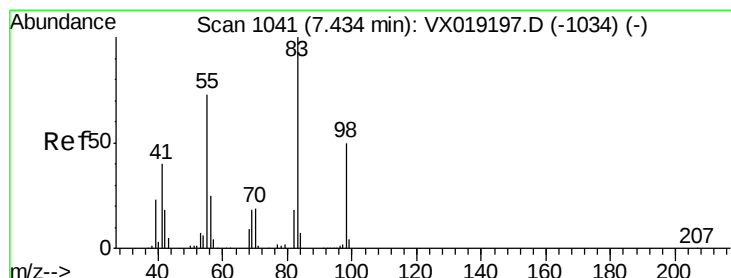
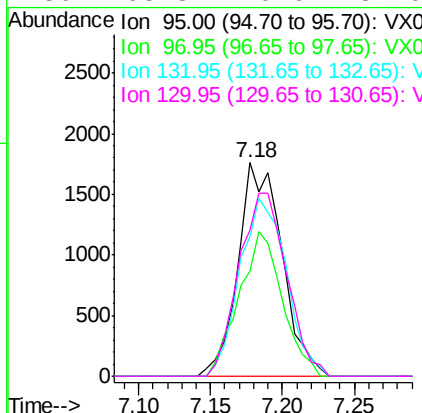
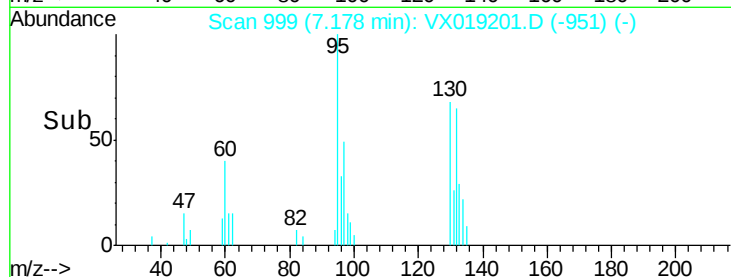
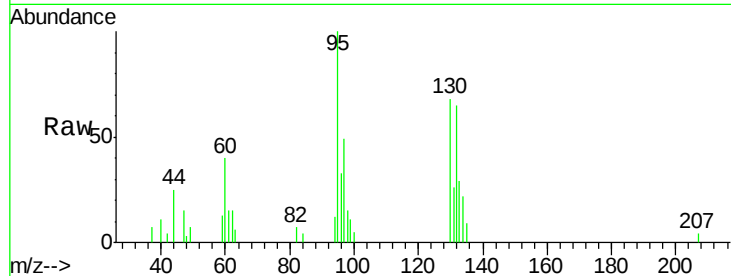
#34
 Trichloroethene
 Concen: 0.232 ug/L
 RT: 7.18 min Scan# 999
 Delta R.T. -0.01 min
 Lab File: VX019201.D
 Acq: 30 Oct 2020 14:41

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-07

Tot Ion	Ratio	Lower	Upper
95	100		
97	49.0	45.2	84.0
132	65.4	65.3	121.3
130	68.3	70.6	131.0#

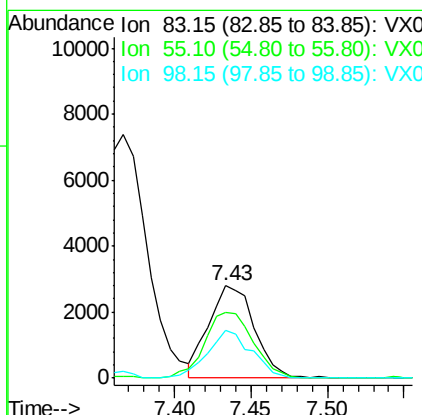
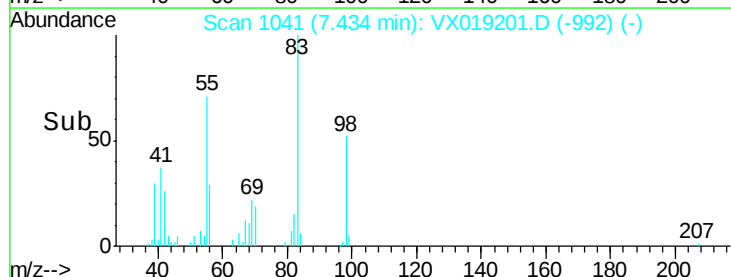
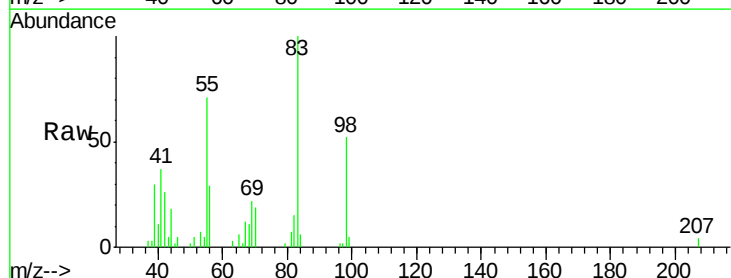
Manual Integrations
 APPROVED

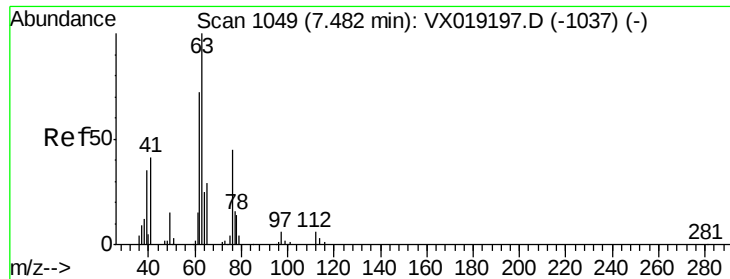
MMDadoda
 11/2/2020 10:57:05 AM



#35
 Methylcyclohexane
 Concen: 0.224 ug/L
 RT: 7.43 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: VX019201.D
 Acq: 30 Oct 2020 14:41

Tgt Ion	Ratio	Lower	Upper
83	100		
55	76.6	58.5	87.7
98	50.0	40.1	60.1





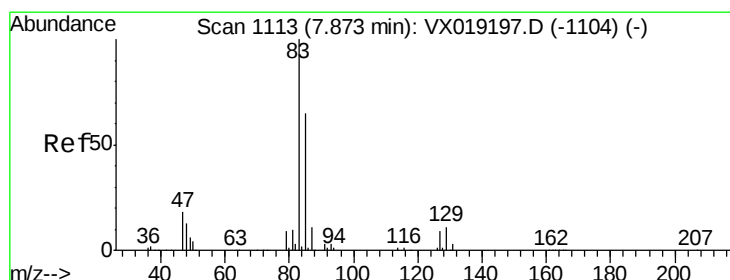
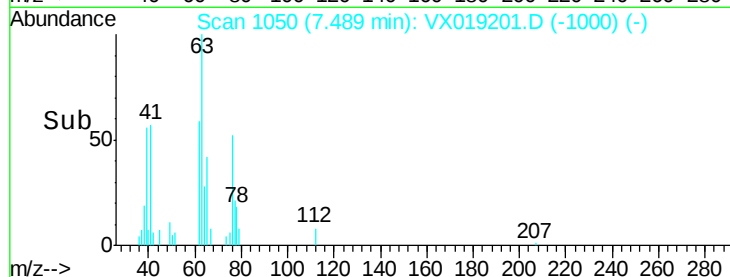
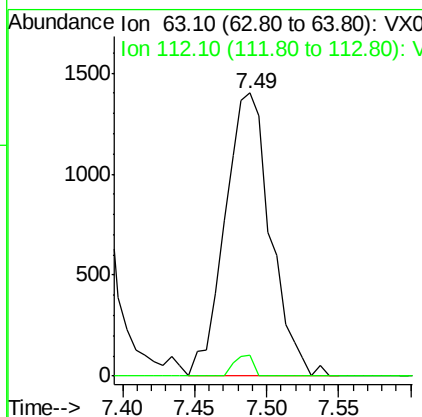
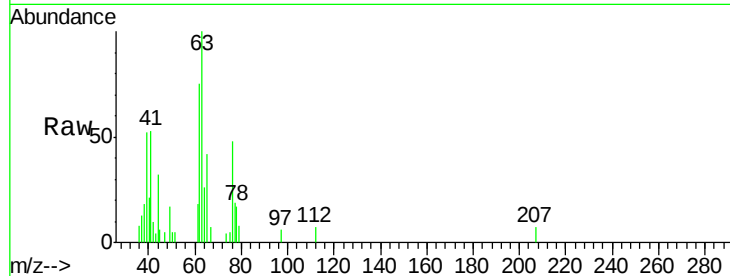
#37
 1,2-Dichloropropane
 Concen: 0.224 ug/L
 RT: 7.49 min Scan# 1050
 Delta R.T. 0.01 min
 Lab File: VX019201.D
 Acq: 30 Oct 2020 14:41

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-07

Tot Ion: 63 Resp: 3091
 Ion Ratio Lower Upper
 63 100
 112 3.2 3.8 5.6#

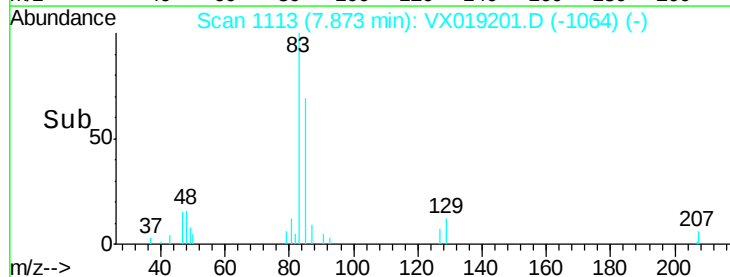
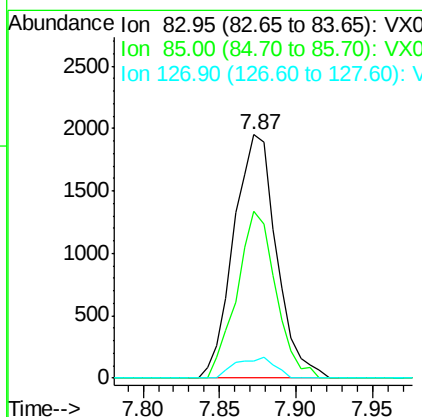
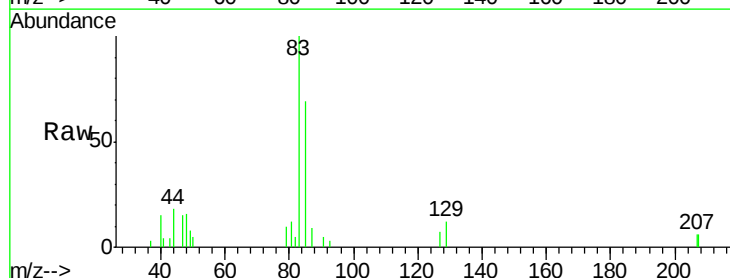
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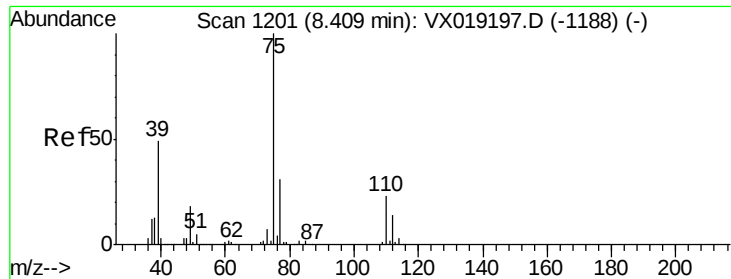
MMDadoda
 11/2/2020 10:57:05 AM



#38
 Bromodichloromethane
 Concen: 0.210 ug/L
 RT: 7.87 min Scan# 1113
 Delta R.T. 0.00 min
 Lab File: VX019201.D
 Acq: 30 Oct 2020 14:41

Tgt Ion: 83 Resp: 3781
 Ion Ratio Lower Upper
 83 100
 85 68.6 44.4 82.5
 127 7.2 7.2 10.8#





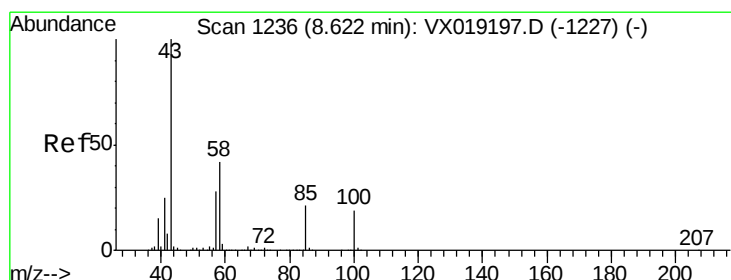
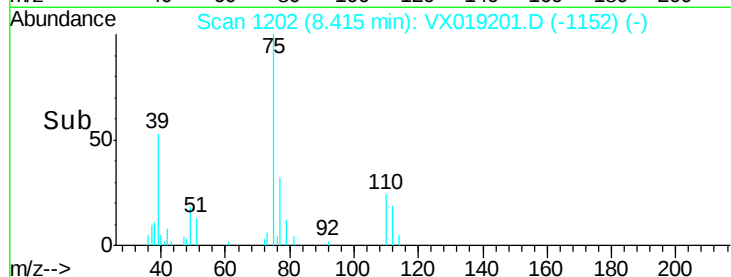
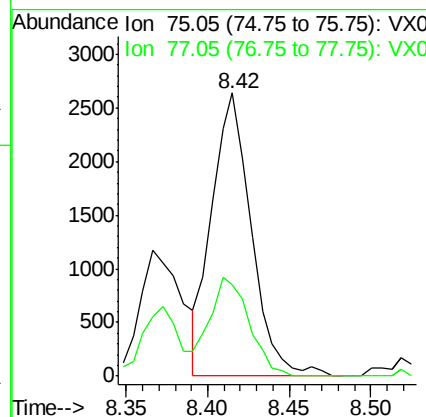
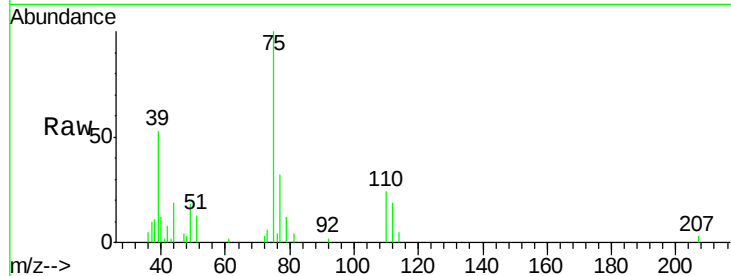
#39
 cis-1,3-Dichloropropene
 Concen: 0.210 ug/L
 RT: 8.42 min Scan# 1202
 Delta R.T. 0.01 min
 Lab File: VX019201.D
 Acq: 30 Oct 2020 14:41

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-07

Tot Ion: 75 Resp: 4456
 Ion Ratio Lower Upper
 75 100
 77 32.1 21.8 40.6

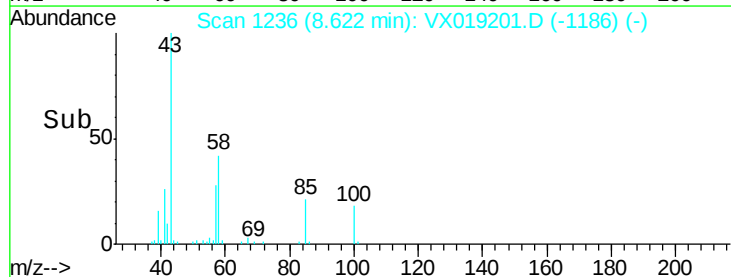
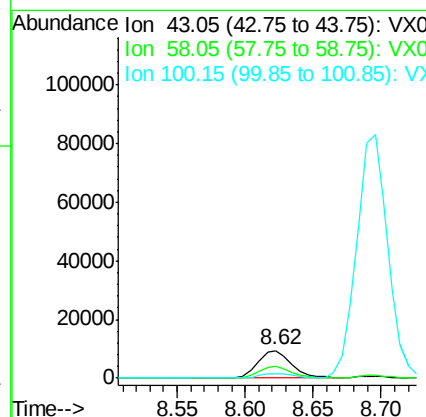
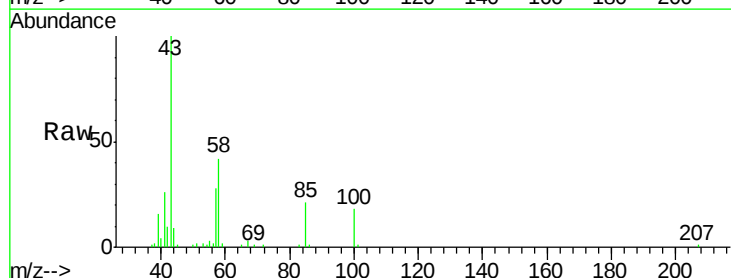
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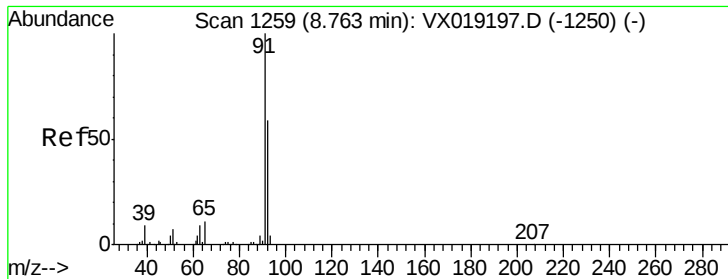
MMDadoda
 11/2/2020 10:57:05 AM



#40
 4-Methyl-2-pentanone
 Concen: 2.232 ug/L
 RT: 8.62 min Scan# 1236
 Delta R.T. 0.01 min
 Lab File: VX019201.D
 Acq: 30 Oct 2020 14:41

Tgt Ion: 43 Resp: 16449
 Ion Ratio Lower Upper
 43 100
 58 41.5 34.1 51.1
 100 0.0 15.0 22.4#





#42

Toluene

Concen: 0.224 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX019201.D

Acq: 30 Oct 2020 14:41

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-07

Tot Ion: 91 Resp: 14161

Ion Ratio Lower Upper

91 100

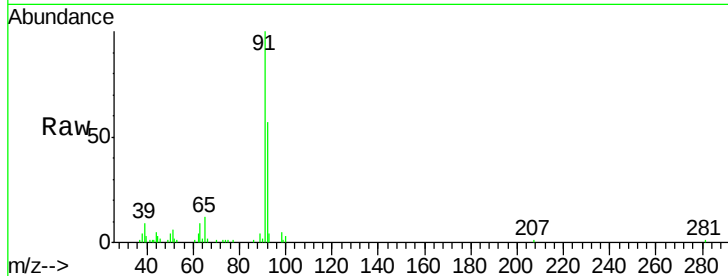
92 56.8 40.7 75.7

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Abundance Ion 91.15 (90.85 to 91.85): VX0

Ion 92.15 (91.85 to 92.85): VX0

8.76

10000

8000

6000

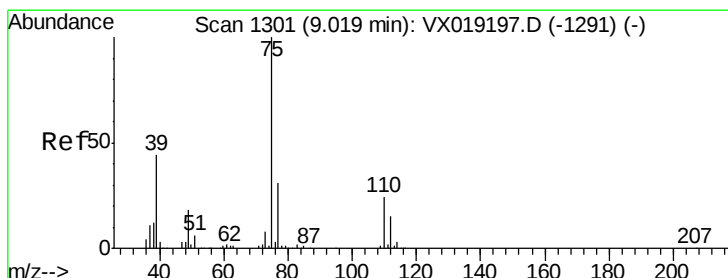
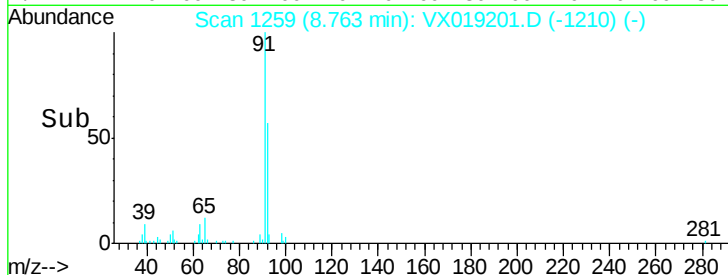
4000

2000

0

8.70 8.75 8.80 8.85

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.272 ug/L

RT: 9.02 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VX019201.D

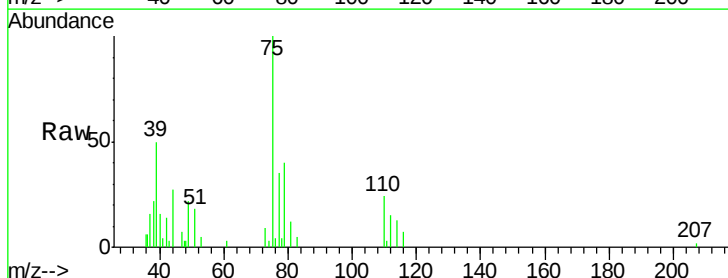
Acq: 30 Oct 2020 14:41

Tgt Ion: 75 Resp: 4835

Ion Ratio Lower Upper

75 100

77 34.7 21.7 40.3



Abundance Ion 75.05 (74.75 to 75.75): VX0

Ion 77.05 (76.75 to 77.75): VX0

9.02

2500

2000

1500

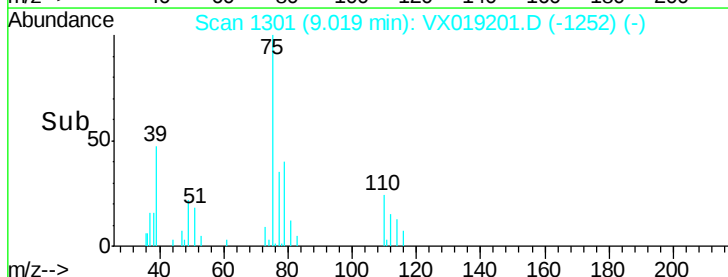
1000

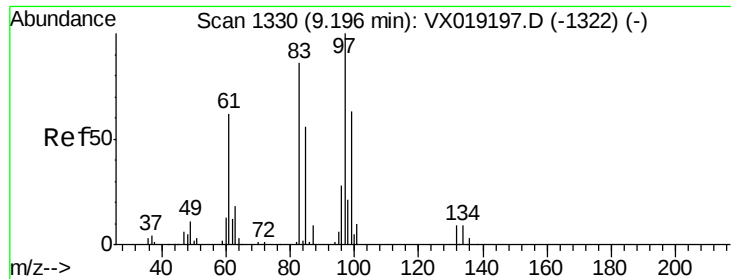
500

0

8.95 9.00 9.05

Time-->





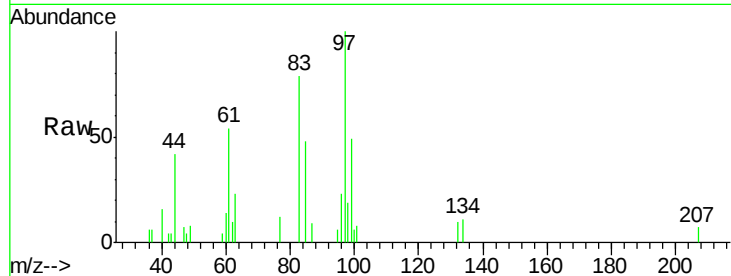
#45
 1,1,2-Trichloroethane
 Concen: 0.234 ug/L
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VX019201.D
 Acq: 30 Oct 2020 14:41

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-07

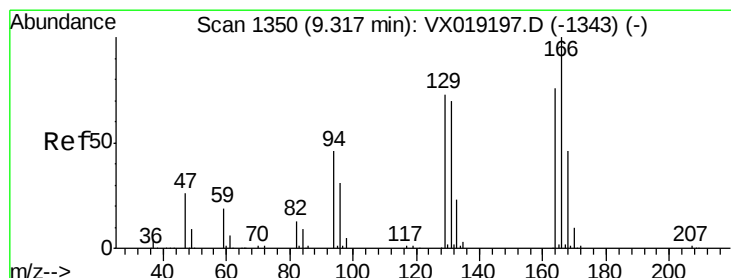
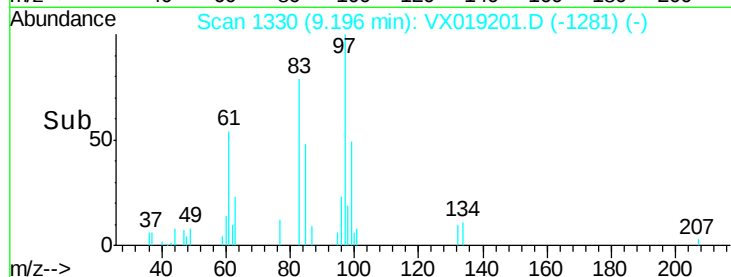
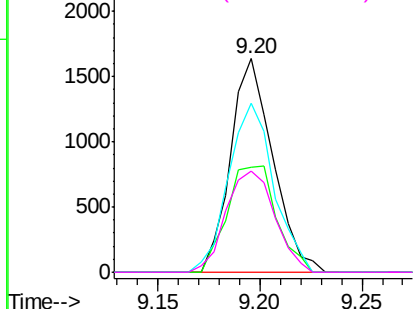
Tot Ion:	97	Resp:	2355
Ion	Ratio	Lower	Upper
97	100		
99	49.1	44.8	83.2
83	78.9	59.1	109.7
85	47.6	37.4	69.4

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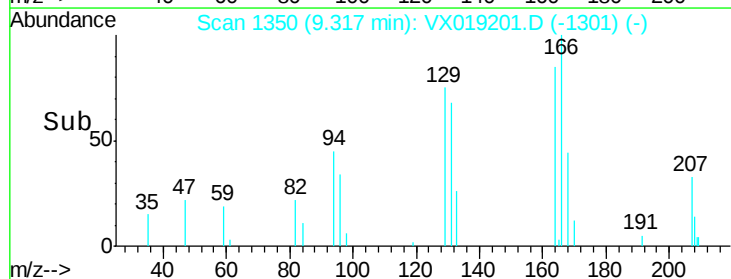
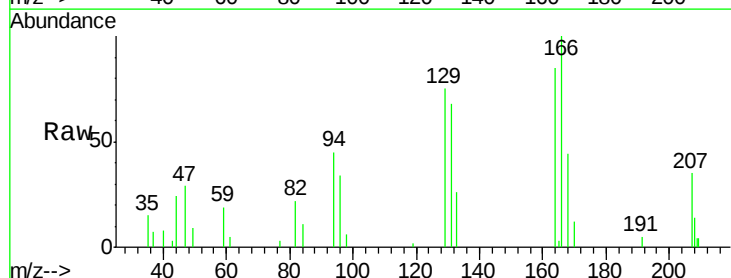
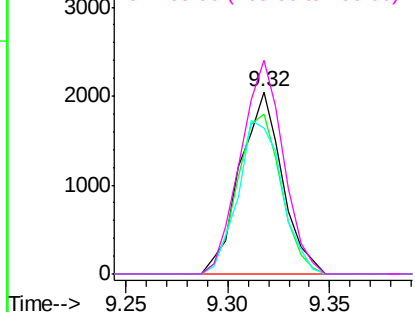
Abundance Ion 96.95 (96.65 to 97.65): VX0
 Ion 99.05 (98.75 to 99.75): VX0
 Ion 82.95 (82.65 to 83.65): VX0
 Ion 85.00 (84.70 to 85.70): VX0

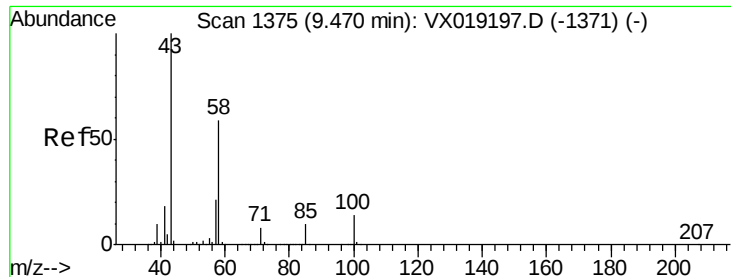


#47
 Tetrachloroethene
 Concen: 0.242 ug/L
 RT: 9.32 min Scan# 1350
 Delta R.T. 0.00 min
 Lab File: VX019201.D
 Acq: 30 Oct 2020 14:41

Tgt Ion:	164	Resp:	2953
Ion	Ratio	Lower	Upper
164	100		
129	87.5	64.2	119.2
131	80.3	63.8	118.4
166	117.3	88.3	164.1

Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V





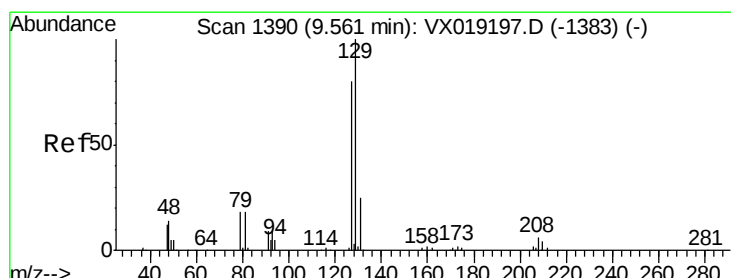
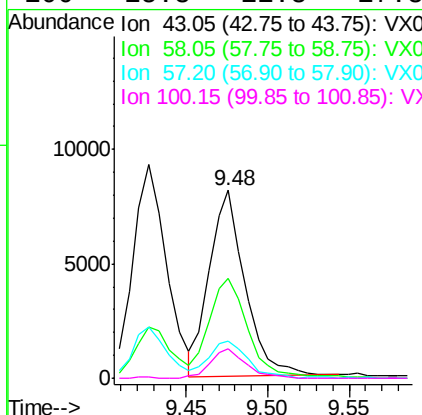
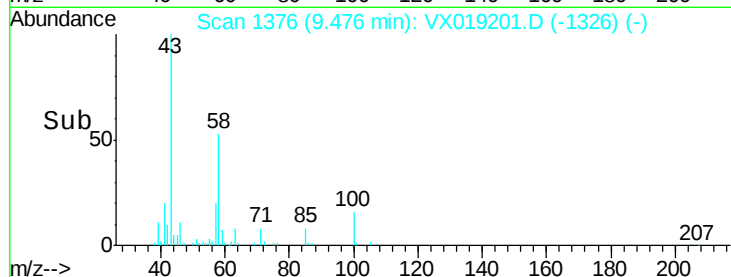
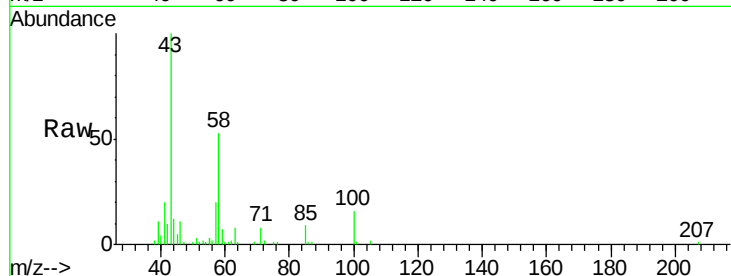
#48
2-Hexanone
Concen: 2.417 ug/L
RT: 9.48 min Scan# 1376
Delta R.T. 0.01 min
Lab File: VX019201.D
Acq: 30 Oct 2020 14:41

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-07

Tot Ion	Ratio	Lower	Upper
43	100		
58	58.9	49.3	73.9
57	21.9	17.2	25.8
100	15.8	11.8	17.8

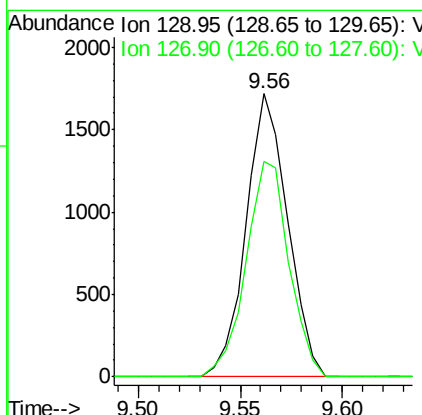
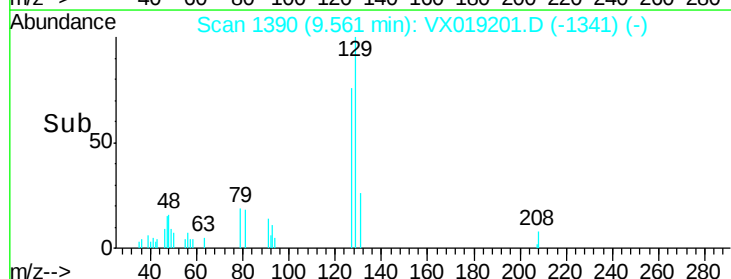
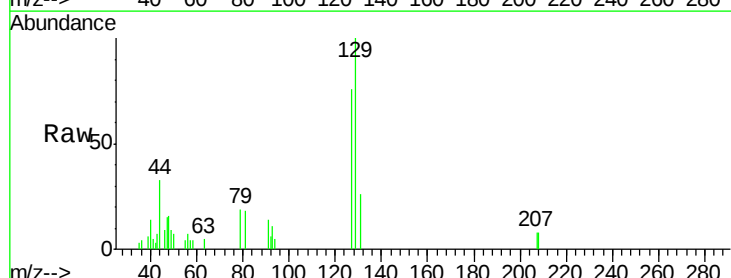
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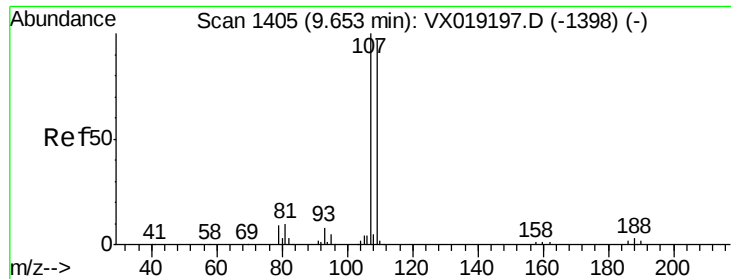
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#49
Dibromochloromethane
Concen: 0.209 ug/L
RT: 9.56 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VX019201.D
Acq: 30 Oct 2020 14:41

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.3	53.6	99.6





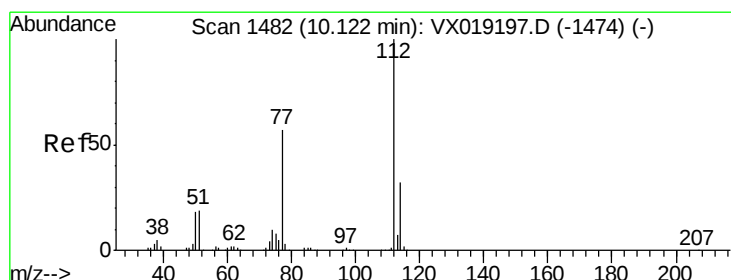
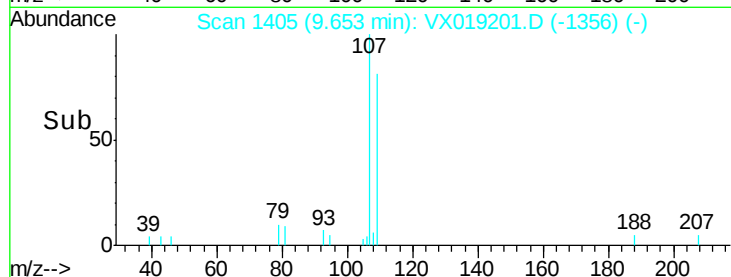
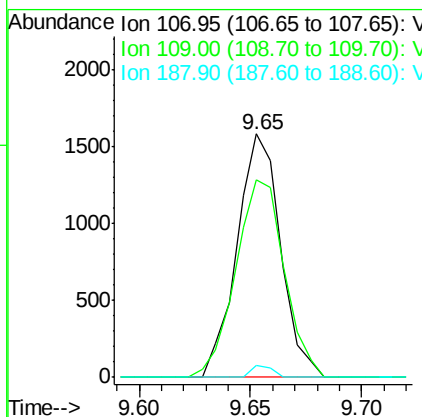
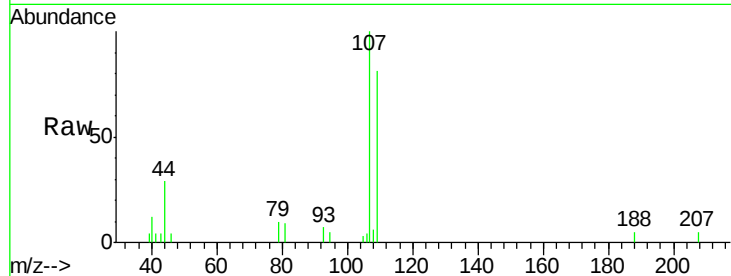
#50
1,2-Dibromoethane
Concen: 0.232 ug/L
RT: 9.65 min Scan# 1405
Delta R.T. 0.00 min
Lab File: VX019201.D
Acq: 30 Oct 2020 14:41

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-07

Tot Ion	Ratio	Lower	Upper
107	100		
109	81.1	62.9	116.9
188	5.0	3.0	4.4#

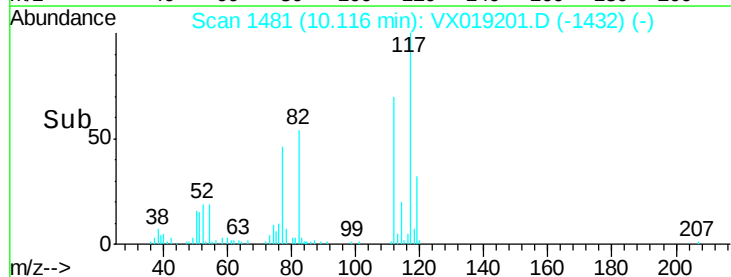
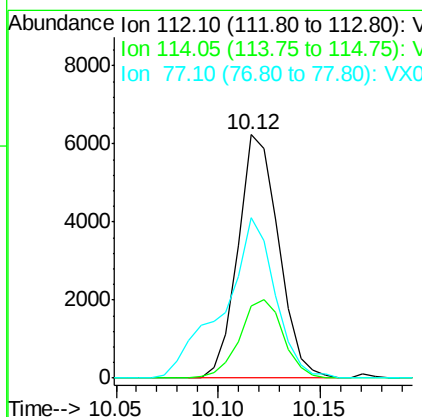
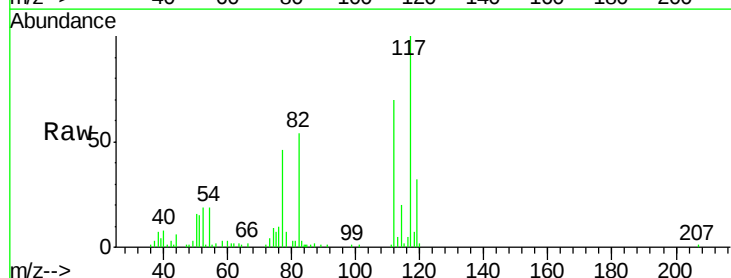
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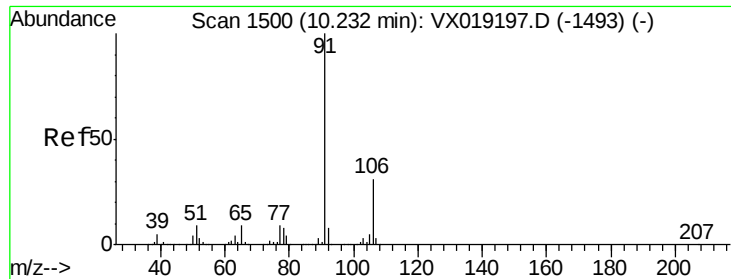
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#51
Chlorobenzene
Concen: 0.215 ug/L
RT: 10.12 min Scan# 1481
Delta R.T. 0.00 min
Lab File: VX019201.D
Acq: 30 Oct 2020 14:41

Tgt Ion	Ratio	Lower	Upper
112	100		
114	29.4	22.5	41.9
77	65.8	46.2	69.2





#52

Ethylbenzene

Concen: 0.213 ug/L

RT: 10.23 min Scan# 1500

Delta R.T. 0.00 min

Lab File: VX019201.D

Acq: 30 Oct 2020 14:41

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-07

Tot Ion: 91 Resp: 15056

Ion Ratio Lower Upper

91 100

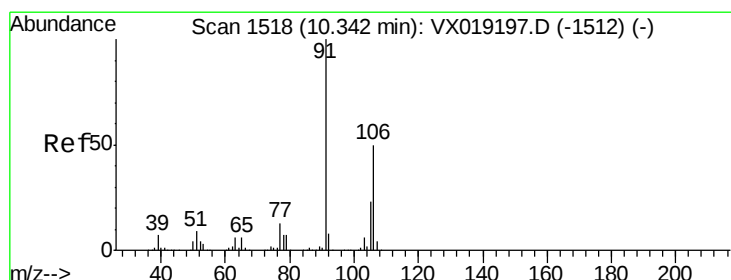
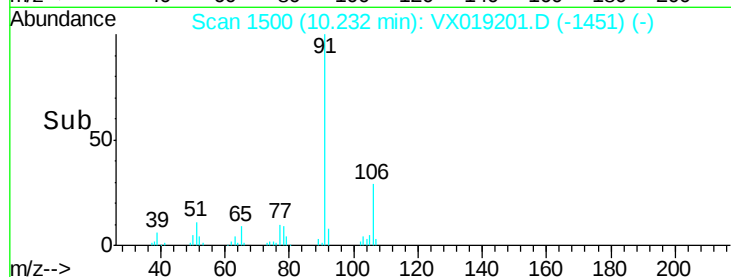
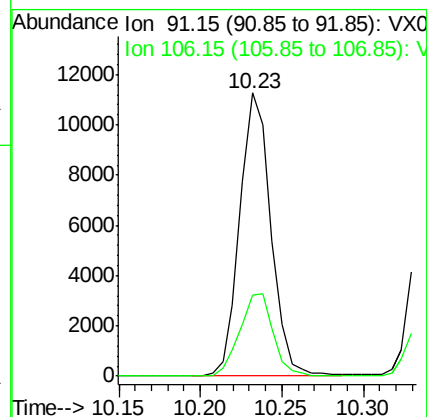
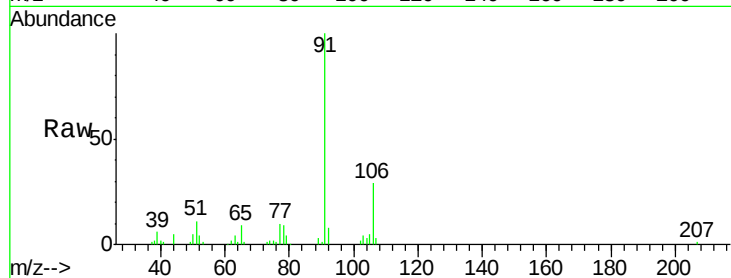
106 28.7 21.1 39.1

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#53

m,p-xylene

Concen: 0.208 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX019201.D

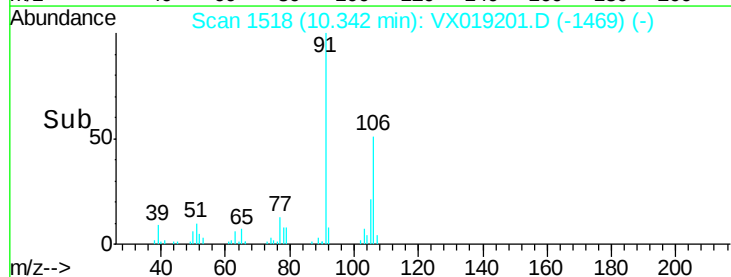
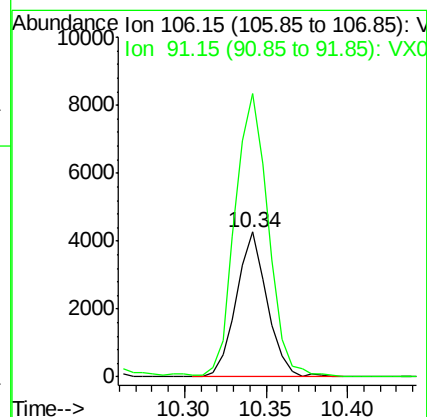
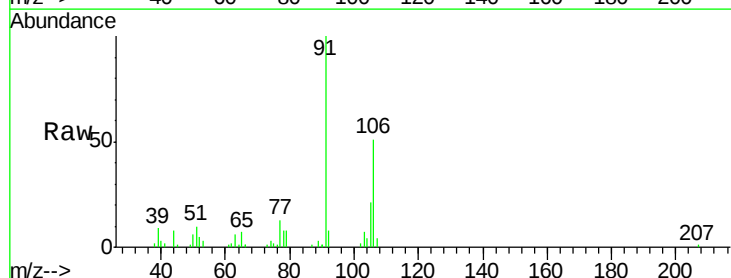
Acq: 30 Oct 2020 14:41

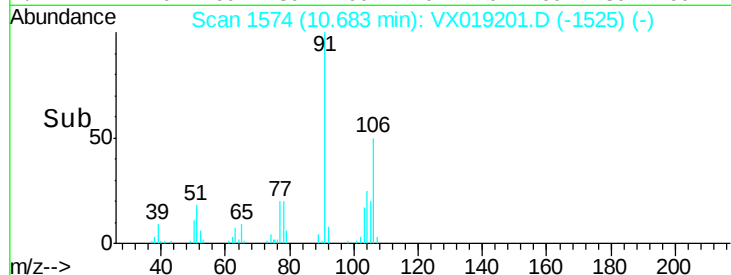
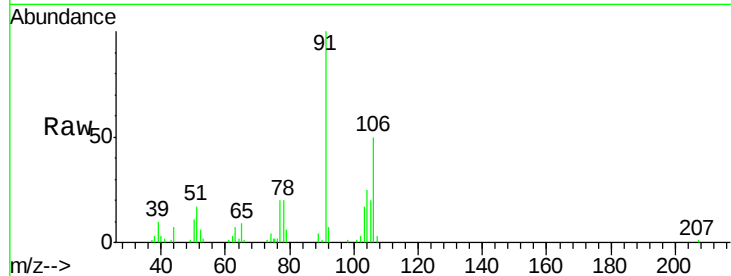
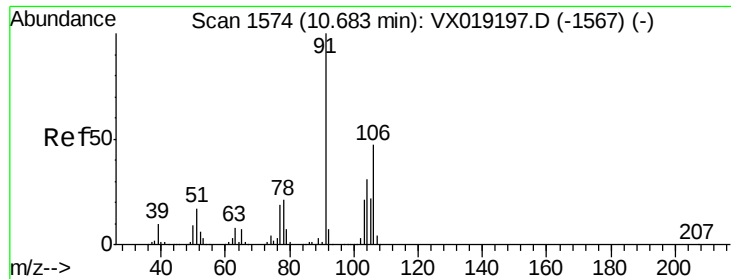
Tgt Ion: 106 Resp: 5636

Ion Ratio Lower Upper

106 100

91 195.2 141.5 262.7





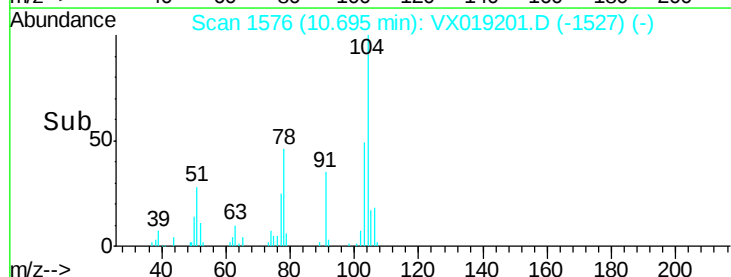
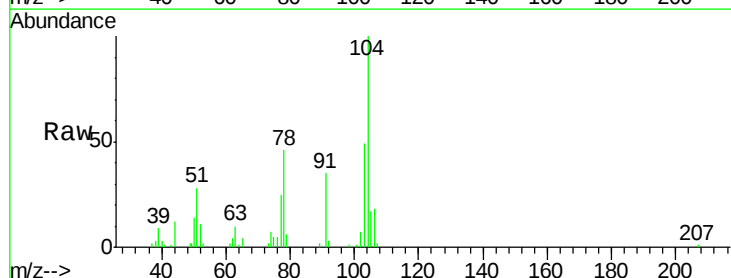
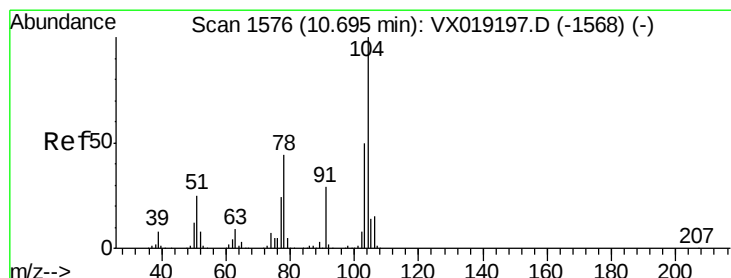
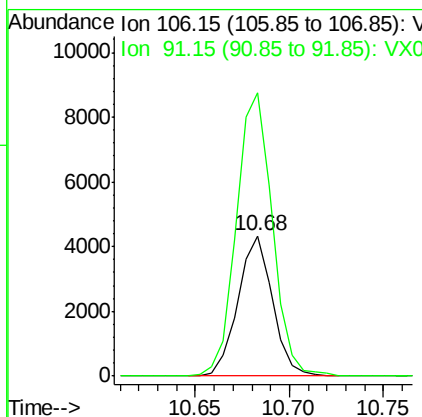
#54
o-xylene
Concen: 0.211 ug/L
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX019201.D
Acq: 30 Oct 2020 14:41

Tot Ion:106 Resp: 5483
Ion Ratio Lower Upper
106 100
91 201.7 145.9 271.1

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-07

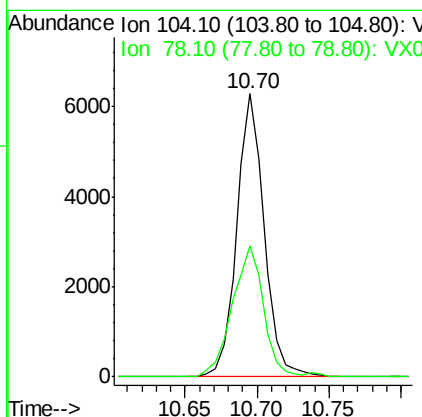
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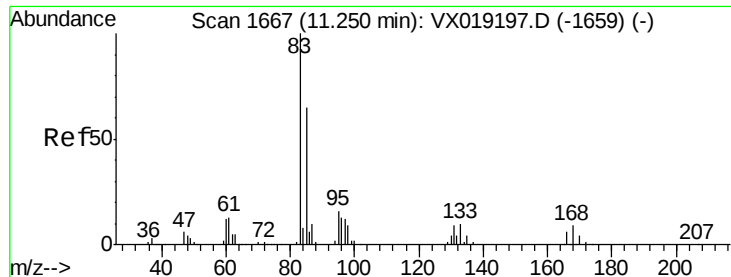
MMDadoda
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#55
Styrene
Concen: 0.196 ug/L
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX019201.D
Acq: 30 Oct 2020 14:41

Tgt Ion:104 Resp: 8326
Ion Ratio Lower Upper
104 100
78 46.3 31.7 58.9





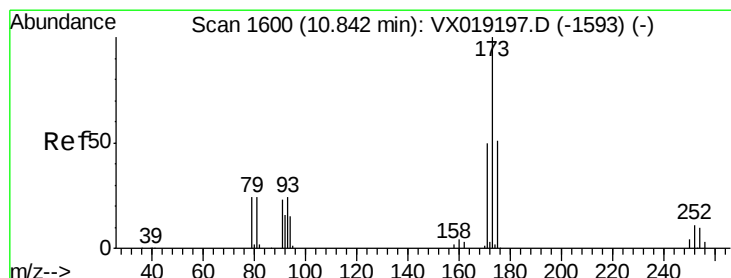
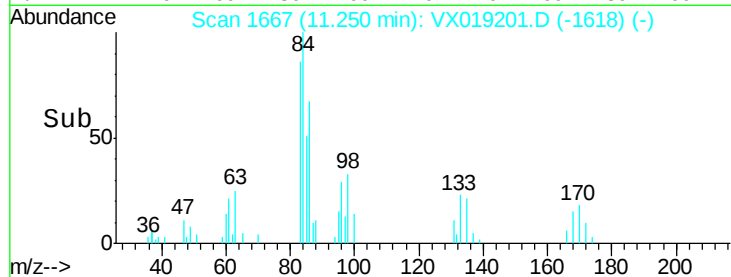
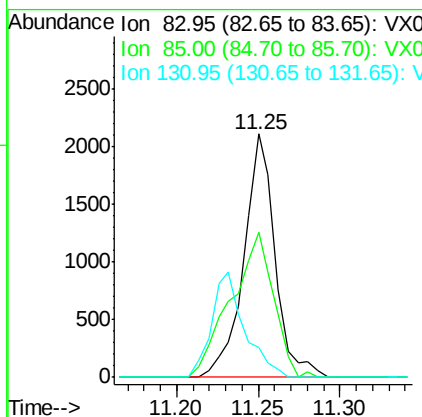
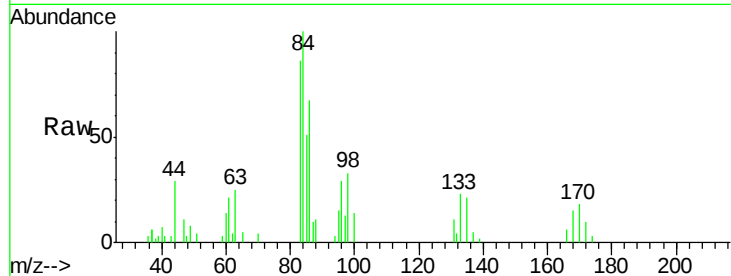
#57
 1,1,2,2-Tetrachloroethane
 Concen: 0.247 ug/L
 RT: 11.25 min Scan# 1667
 Delta R.T. 0.00 min
 Lab File: VX019201.D
 Acq: 30 Oct 2020 14:41

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-07

Tot Ion	Ratio	Lower	Upper
83	100		
85	59.5	46.0	85.4
131	12.4	7.7	11.5#

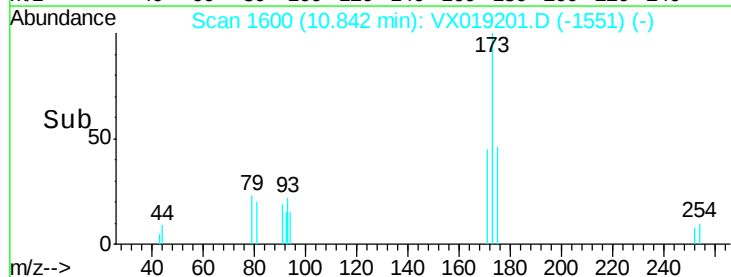
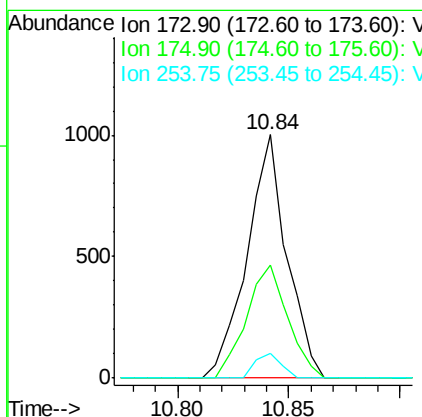
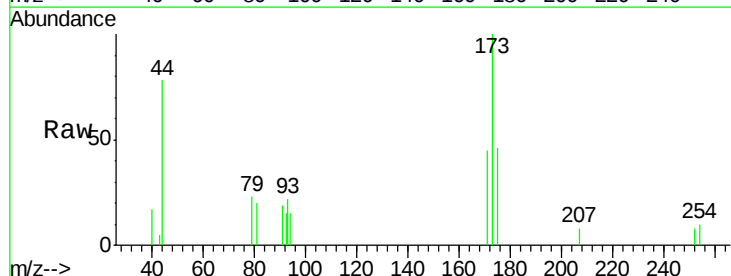
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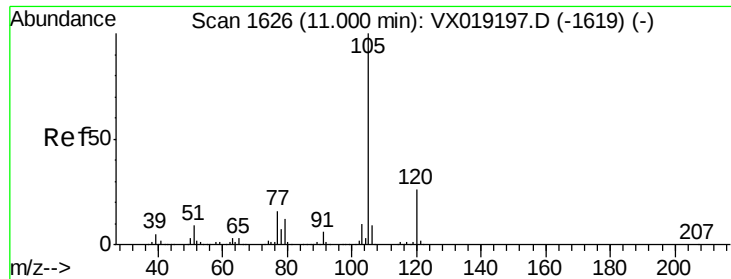
MMDadoda
 11/2/2020 10:57:05 AM



#59
 Bromoform
 Concen: 0.204 ug/L
 RT: 10.84 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VX019201.D
 Acq: 30 Oct 2020 14:41

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.2	38.6	57.8
254	6.8	7.4	11.0#





#60

Isopropylbenzene

Concen: 0.209 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX019201.D

Acq: 30 Oct 2020 14:41

Instrument :

MSVOA_X

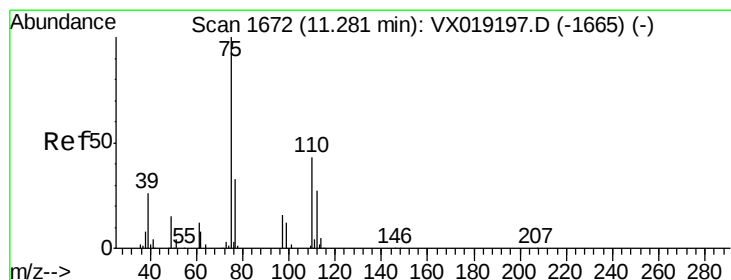
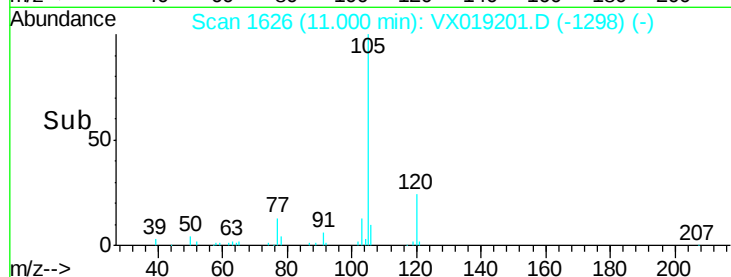
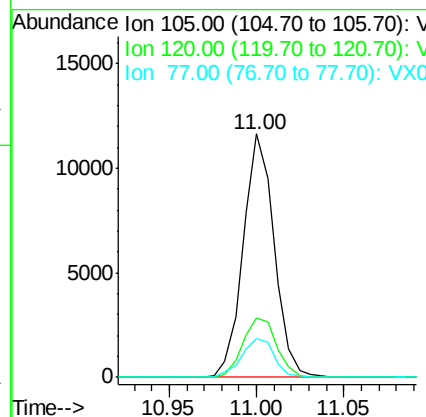
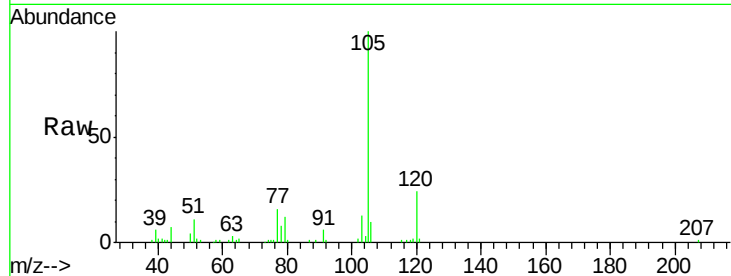
ClientSampleId :

MDL-WATER-07

Tot Ion:	105	Resp:	14328
Ion Ratio	Lower	Upper	
105	100		
120	26.6	21.4	32.2
77	17.0	12.9	19.3

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#61

1,2,3-Trichloropropane

Concen: 0.229 ug/L

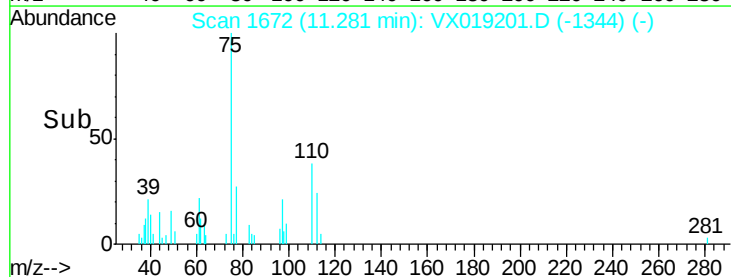
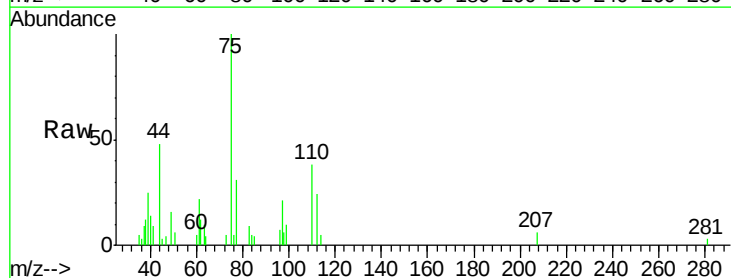
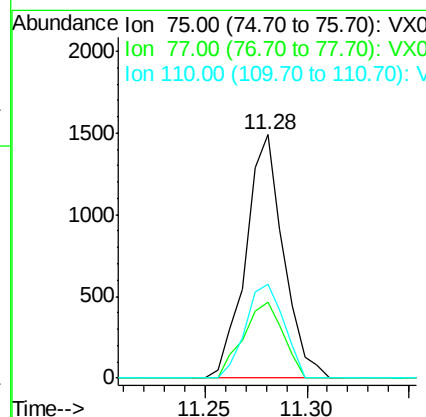
RT: 11.28 min Scan# 1672

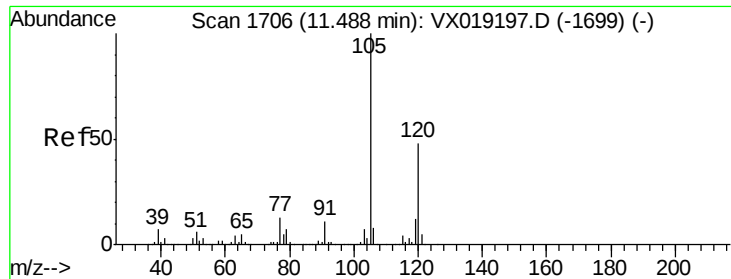
Delta R.T. 0.00 min

Lab File: VX019201.D

Acq: 30 Oct 2020 14:41

Tgt Ion:	75	Resp:	1914
Ion Ratio	Lower	Upper	
75	100		
77	32.6	25.6	38.4
110	39.1	32.4	48.6





#62

1,3,5-Trimethylbenzene

Concen: 0.203 ug/L

RT: 11.49 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VX019201.D

Acq: 30 Oct 2020 14:41

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-07

Tot Ion:105 Resp: 11644

Ion Ratio Lower Upper

105 100

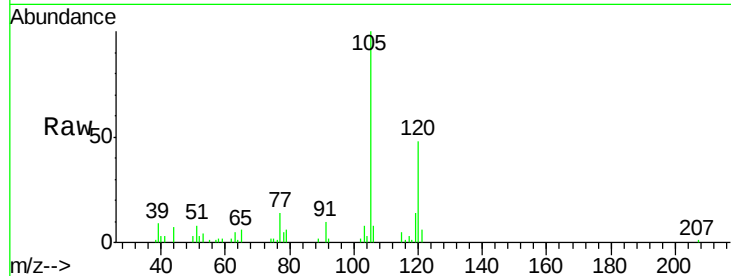
120 48.4 38.9 58.3

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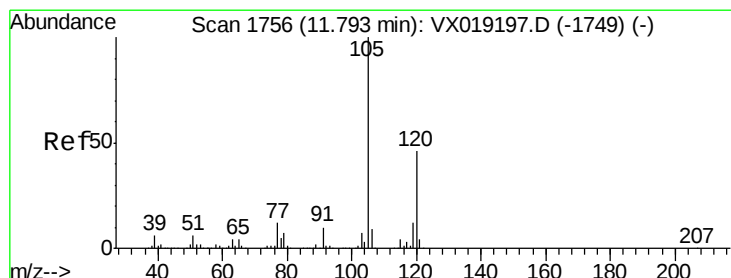
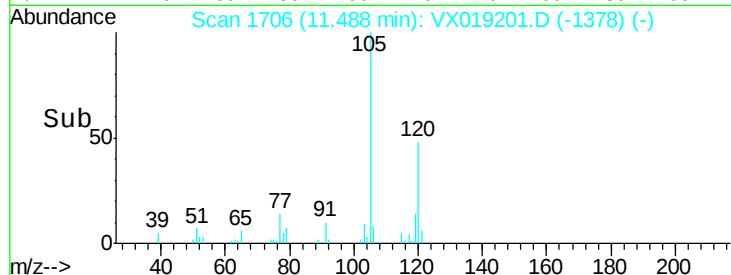
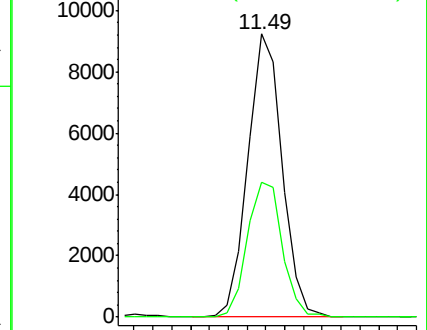
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 0.197 ug/L

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX019201.D

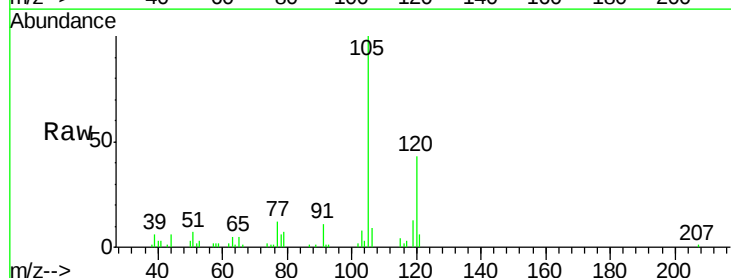
Acq: 30 Oct 2020 14:41

Tgt Ion:105 Resp: 11454

Ion Ratio Lower Upper

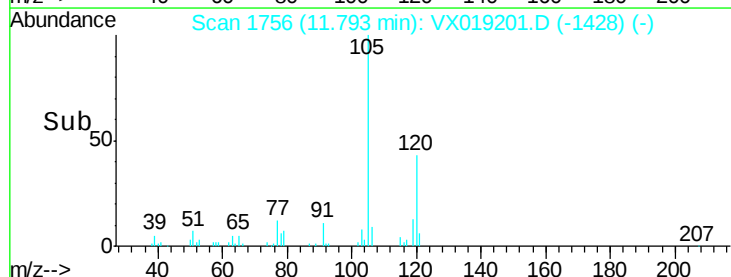
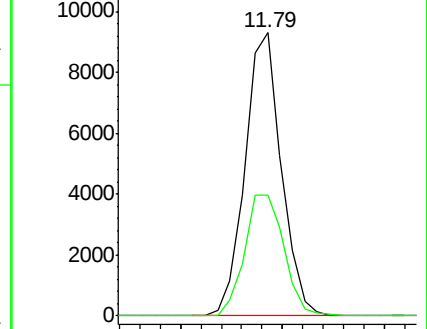
105 100

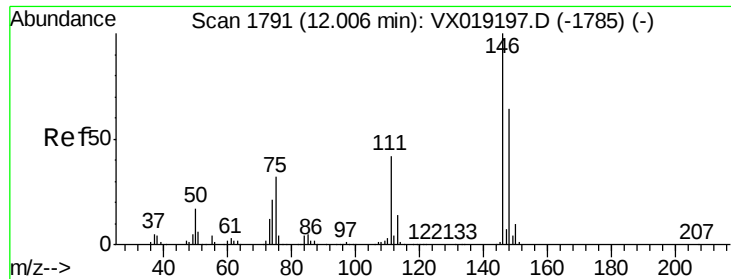
120 46.3 36.1 54.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#64

1,3-Dichlorobenzene

Concen: 0.211 ug/L

RT: 12.01 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX019201.D

Acq: 30 Oct 2020 14:41

Instrument :

MSVOA_X

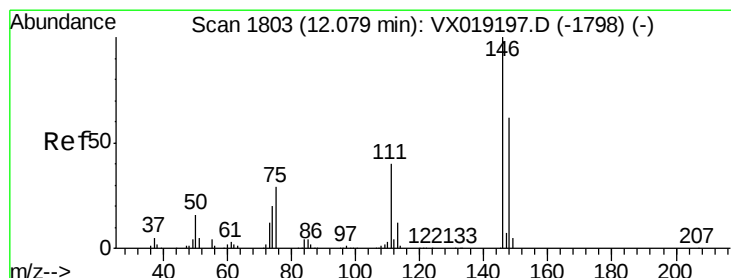
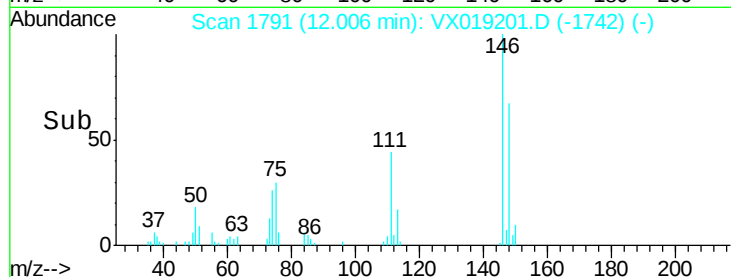
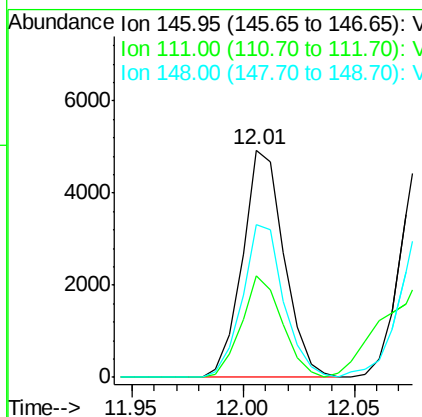
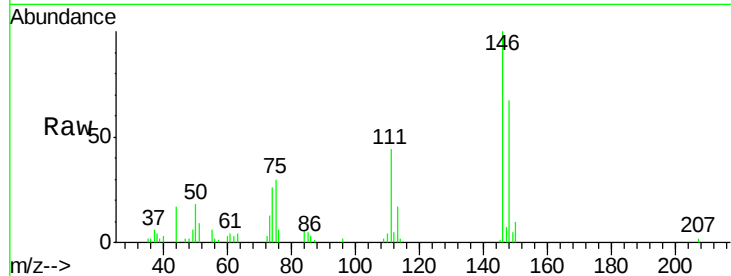
ClientSampled :

MDL-WATER-07

Tot Ion:	146	Resp:	6425
Ion Ratio	Lower	Upper	
146	100		
111	44.5	27.3	50.7
148	67.5	45.4	84.2

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#65

1,4-Dichlorobenzene

Concen: 0.218 ug/L

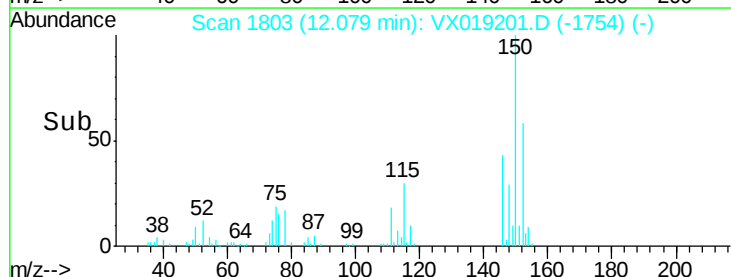
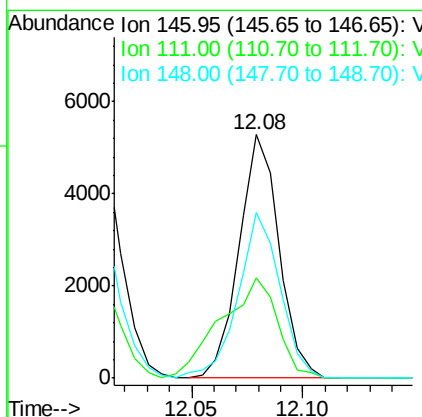
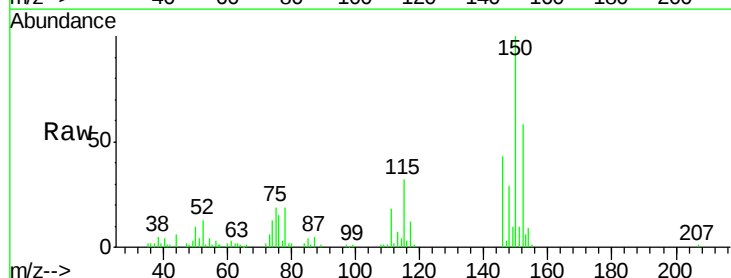
RT: 12.08 min Scan# 1803

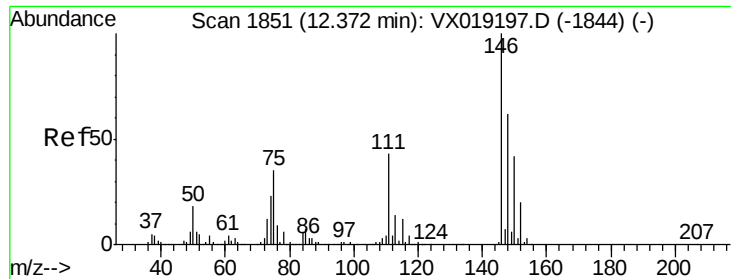
Delta R.T. 0.00 min

Lab File: VX019201.D

Acq: 30 Oct 2020 14:41

Tgt Ion:	146	Resp:	6624
Ion Ratio	Lower	Upper	
146	100		
111	41.2	28.1	52.3
148	68.0	44.5	82.7





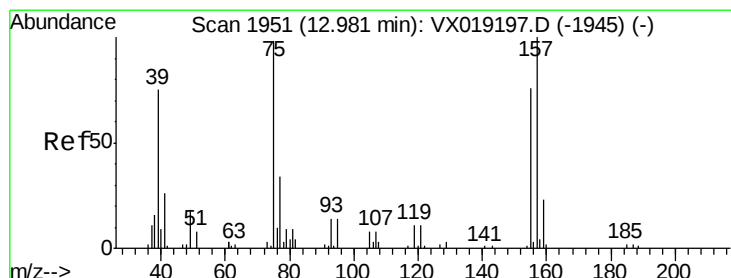
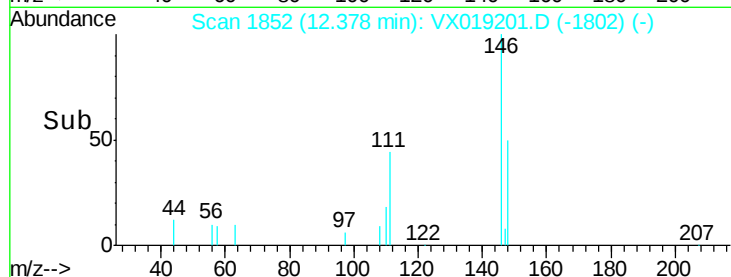
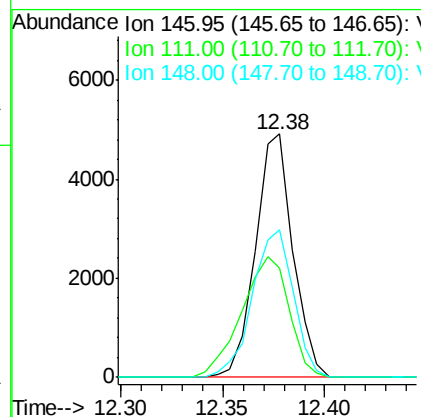
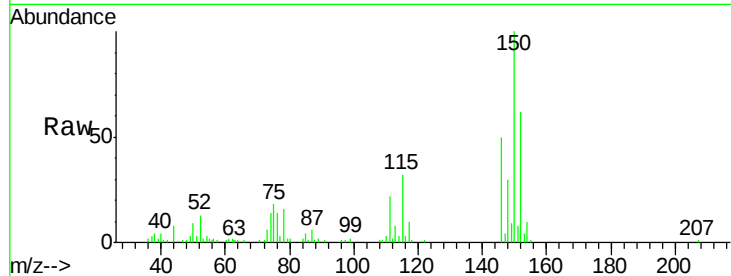
#67
 1,2-Dichlorobenzene
 Concen: 0.224 ug/L
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.01 min
 Lab File: VX019201.D
 Acq: 30 Oct 2020 14:41

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-07

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.7	32.6	49.0
148	60.4	49.4	74.2

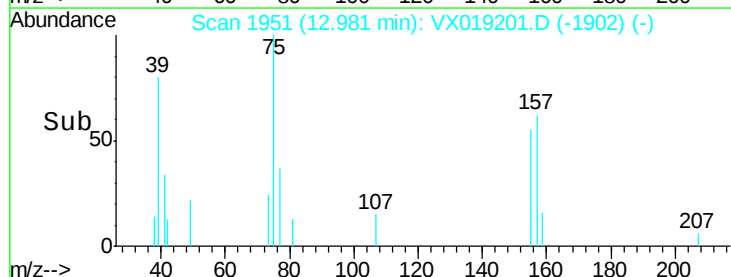
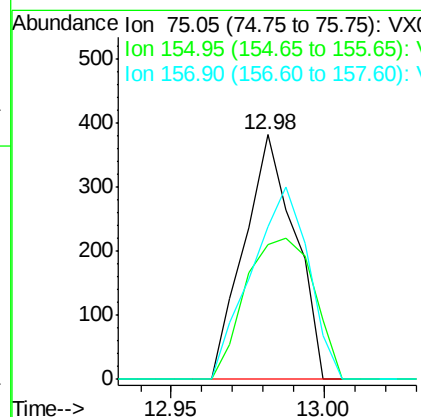
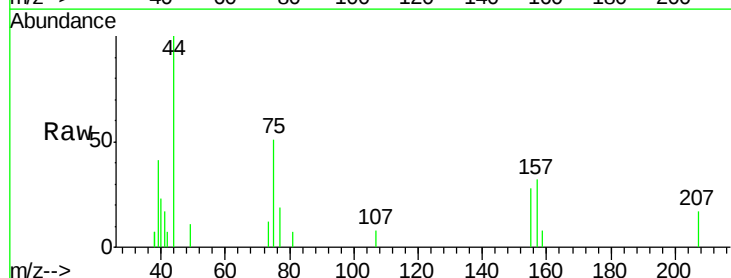
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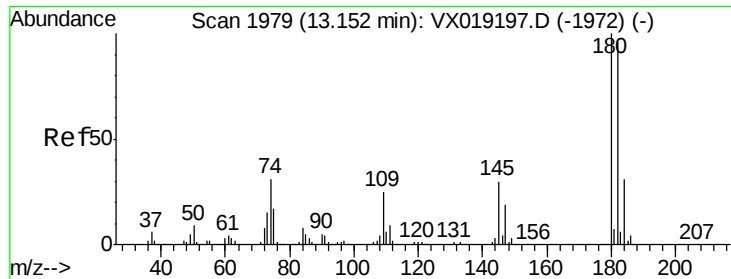
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#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.228 ug/L
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX019201.D
 Acq: 30 Oct 2020 14:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	55.1	62.9	94.3#
157	62.5	77.5	116.3#





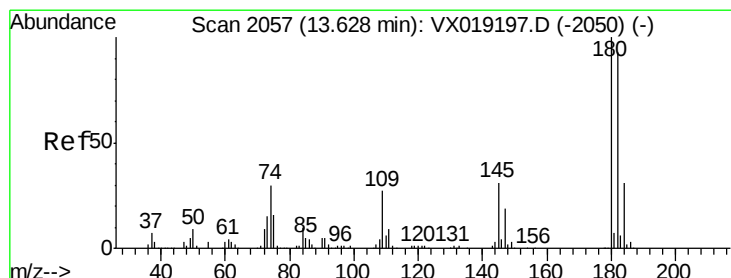
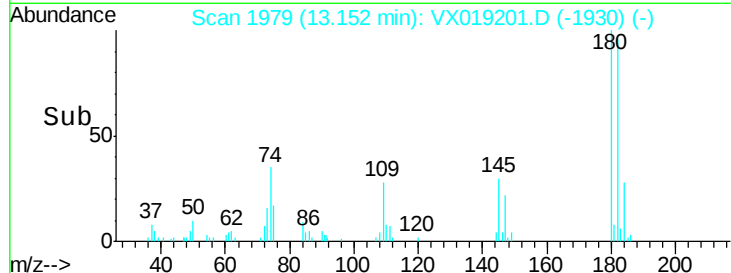
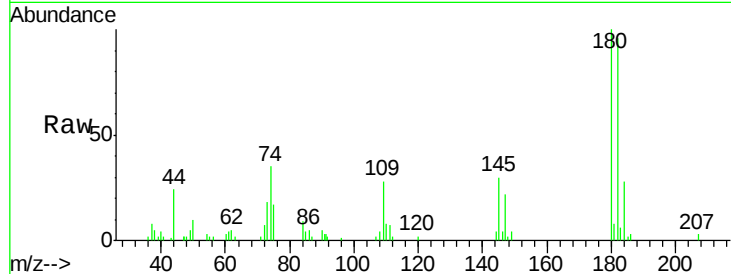
#69
 1,3,5-Trichlorobenzene
 Concen: 0.215 ug/L
 RT: 13.15 min Scan# 1979
 Delta R.T. 0.00 min
 Lab File: VX019201.D
 Acq: 30 Oct 2020 14:41

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-07

Tot Ion:	180	Resp:	4802
Ion Ratio	Lower	Upper	
180	100		
182	95.3	74.1	111.1
184	29.9	24.4	36.6
145	31.3	24.9	37.3

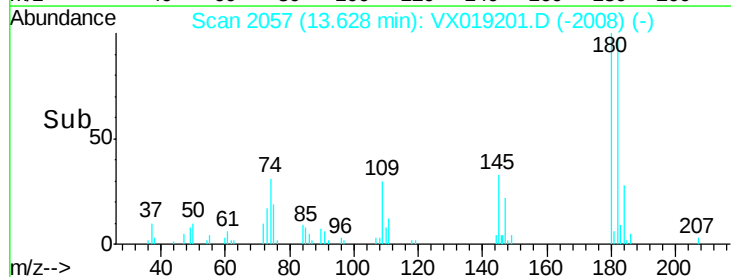
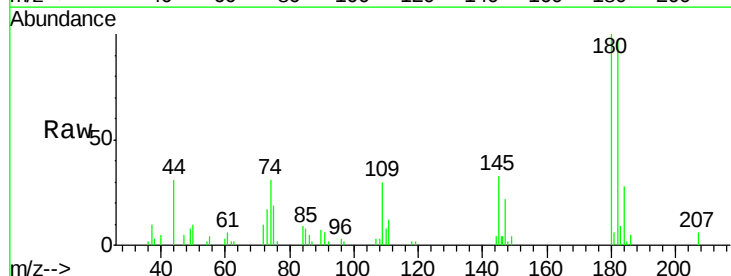
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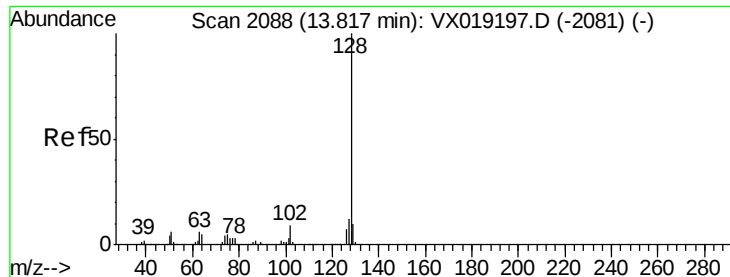
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#70
 1,2,4-trichlorobenzene
 Concen: 0.197 ug/L
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX019201.D
 Acq: 30 Oct 2020 14:41

Tgt Ion:	180	Resp:	3852
Ion Ratio	Lower	Upper	
180	100		
182	94.4	77.8	116.6
145	36.4	25.0	37.4





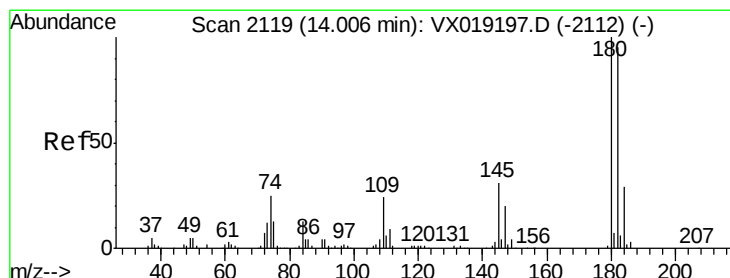
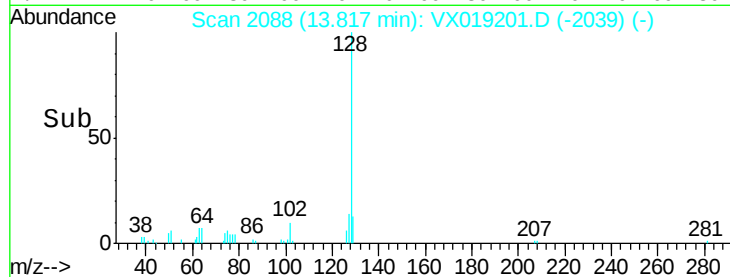
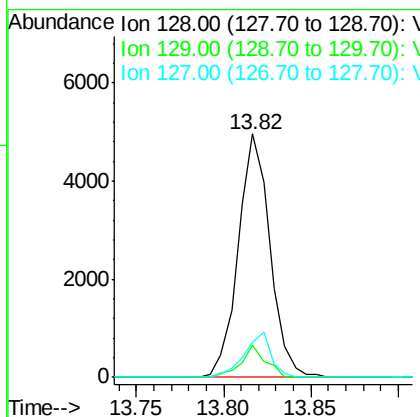
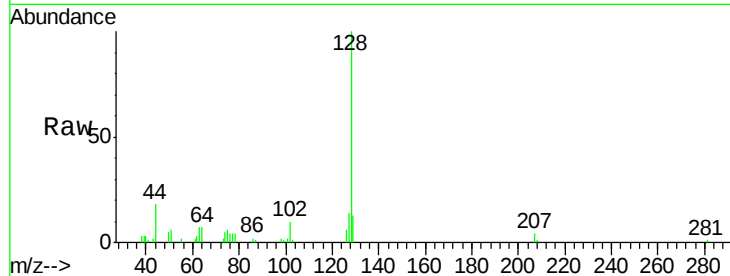
#71
Naphthalene
Concen: 0.178 ug/L
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX019201.D
Acq: 30 Oct 2020 14:41

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-07

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.3	8.6	13.0
127	15.4	10.1	15.1

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#72
1,2,3-Trichlorobenzene
Concen: 0.200 ug/L
RT: 14.01 min Scan# 2119
Delta R.T. 0.01 min
Lab File: VX019201.D
Acq: 30 Oct 2020 14:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	77.0	115.4
145	32.5	27.8	41.6

