

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX110220\
 Data File : VX019215.D
 Acq On : 02 Nov 2020 16:41
 Operator : JC/MD
 Sample : L4485-09 2.5PPB MDL
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-02

Manual Integrations
 APPROVED

MMDadoda
 11/4/2020 10:41:04 AM

Quant Time: Nov 03 07:53:42 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SFAMXLM110220WMA.M

Quant Title : VOC Analysis

QLast Update : Mon Nov 02 14:52:07 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	421125	50.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	394150	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.06	152	185924	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	169809	46.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.68%
7) Chloroethane-d5	1.70	69	135855	50.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.94%
11) 1,1-Dichloroethene-d2	2.34	63	225087	37.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.26%
21) 2-Butanone-d5	4.53	46	213958	115.68	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	115.68%
24) Chloroform-d	5.14	84	279624	47.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.72%
26) 1,2-Dichloroethane-d4	6.03	65	194464	46.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.72%
32) Benzene-d6	6.05	84	593014	48.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.94%
36) 1,2-Dichloropropane-d6	7.37	67	178142	49.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.62%
41) Toluene-d8	8.70	98	545018	43.88	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.76%
43) trans-1,3-Dichloropropene-	8.99	79	92488	48.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.54%
47) 2-Hexanone-d5	9.43	63	170436	114.21	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	114.21%
56) 1,1,2,2-Tetrachloroethane-	11.23	84	222578	52.22	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.44%
66) 1,2-Dichlorobenzene-d4	12.36	152	184807	49.51	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.02%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.18	85	4807	1.801	ug/L	98
3) Chloromethane	1.31	50	6699	2.471	ug/L	98
5) Vinyl chloride	1.39	62	7255	2.374	ug/L #	56
6) Bromomethane	1.64	94	4971	2.461	ug/L	100
8) Chloroethane	1.71	64	4832	2.537	ug/L	98
9) Trichlorofluoromethane	1.92	101	8916	1.966	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.37	101	6601	2.524	ug/L #	75
12) 1,1-Dichloroethene	2.36	96	6831	2.692	ug/L #	1
13) Acetone	2.43	43	6074	5.314	ug/L	99
14) Carbon disulfide	2.56	76	16864	2.202	ug/L	98
15) Methyl Acetate	2.75	43	6759	2.710	ug/L	99
16) Methylene chloride	2.84	84	7148	2.526	ug/L	96
17) trans-1,2-Dichloroethene	3.15	96	6414	2.351	ug/L	92
18) Methyl tert-butyl Ether	3.17	73	20857	2.418	ug/L	97
19) 1,1-Dichloroethane	3.67	63	11103	2.290	ug/L	97
20) cis-1,2-Dichloroethene	4.56	96	7163	2.390	ug/L	93
22) 2-Butanone	4.64	43	10373	5.746	ug/L	92

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 QLast Update : Mon Nov 02 14:52:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.98	128	3618	2.397	ug/L	94
25) Chloroform	5.17	83	19972	3.925	ug/L	99
27) 1,2-Dichloroethane	6.16	62	9960	2.486	ug/L	99
29) Cyclohexane	5.56	56	7764	1.711	ug/L	99
30) 1,1,1-Trichloroethane	5.46	97	10094m	2.124	ug/L	
31) Carbon tetrachloride	5.76	117	7728	1.893	ug/L	98
33) Benzene	6.12	78	24735	2.186	ug/L	100
34) Trichloroethene	7.19	95	6555	2.122	ug/L	96
35) Methylcyclohexane	7.43	83	7964	1.629	ug/L	97
37) 1,2-Dichloropropane	7.49	63	6084	2.165	ug/L #	97
38) Bromodichloromethane	7.87	83	8427	2.156	ug/L #	95
39) cis-1,3-Dichloropropene	8.41	75	10251	2.195	ug/L	99
40) 4-Methyl-2-pentanone	8.62	43	17092	4.972	ug/L	99
42) Toluene	8.76	91	34286	2.785	ug/L	99
44) trans-1,3-Dichloropropene	9.02	75	10514	2.311	ug/L	99
45) 1,1,2-Trichloroethane	9.20	97	6644	2.406	ug/L	97
46) Tetrachloroethene	9.31	164	4600	1.974	ug/L	94
48) 2-Hexanone	9.47	43	16292	6.015	ug/L	97
49) Dibromochloromethane	9.56	129	6491	2.149	ug/L	88
50) 1,2-Dibromoethane	9.65	107	6705	2.322	ug/L	99
51) Chlorobenzene	10.12	112	16939	2.213	ug/L	97
52) Ethylbenzene	10.24	91	28308	2.127	ug/L	99
53) m,p-Xylene	10.34	106	10445	2.089	ug/L	91
54) o-Xylene	10.68	106	10272	2.122	ug/L	96
55) Styrene	10.69	104	16541	2.026	ug/L	98
57) 1,1,2,2-Tetrachloroethane	11.25	83	10309	2.724	ug/L #	95
59) Bromoform	10.84	173	4165	2.068	ug/L	97
60) Isopropylbenzene	11.00	105	25077	1.987	ug/L	100
61) 1,2,3-Trichloropropane	11.28	75	8294	2.619	ug/L	98
62) 1,3,5-Trimethylbenzene	11.49	105	20339	1.959	ug/L	98
63) 1,2,4-Trimethylbenzene	11.79	105	20854	2.124	ug/L	99
64) 1,3-Dichlorobenzene	12.01	146	11763	2.159	ug/L	97
65) 1,4-Dichlorobenzene	12.08	146	12756	2.308	ug/L	96
67) 1,2-Dichlorobenzene	12.38	146	12271	2.326	ug/L	93
68) 1,2-Dibromo-3-chloropropan	12.98	75	1788	2.073	ug/L	92
69) 1,3,5-Trichlorobenzene	13.15	180	7730	2.026	ug/L	98
70) 1,2,4-trichlorobenzene	13.63	180	7576	2.154	ug/L	98
71) Naphthalene	13.82	128	23469	2.064	ug/L	99
72) 1,2,3-Trichlorobenzene	14.01	180	7293	2.119	ug/L	98

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

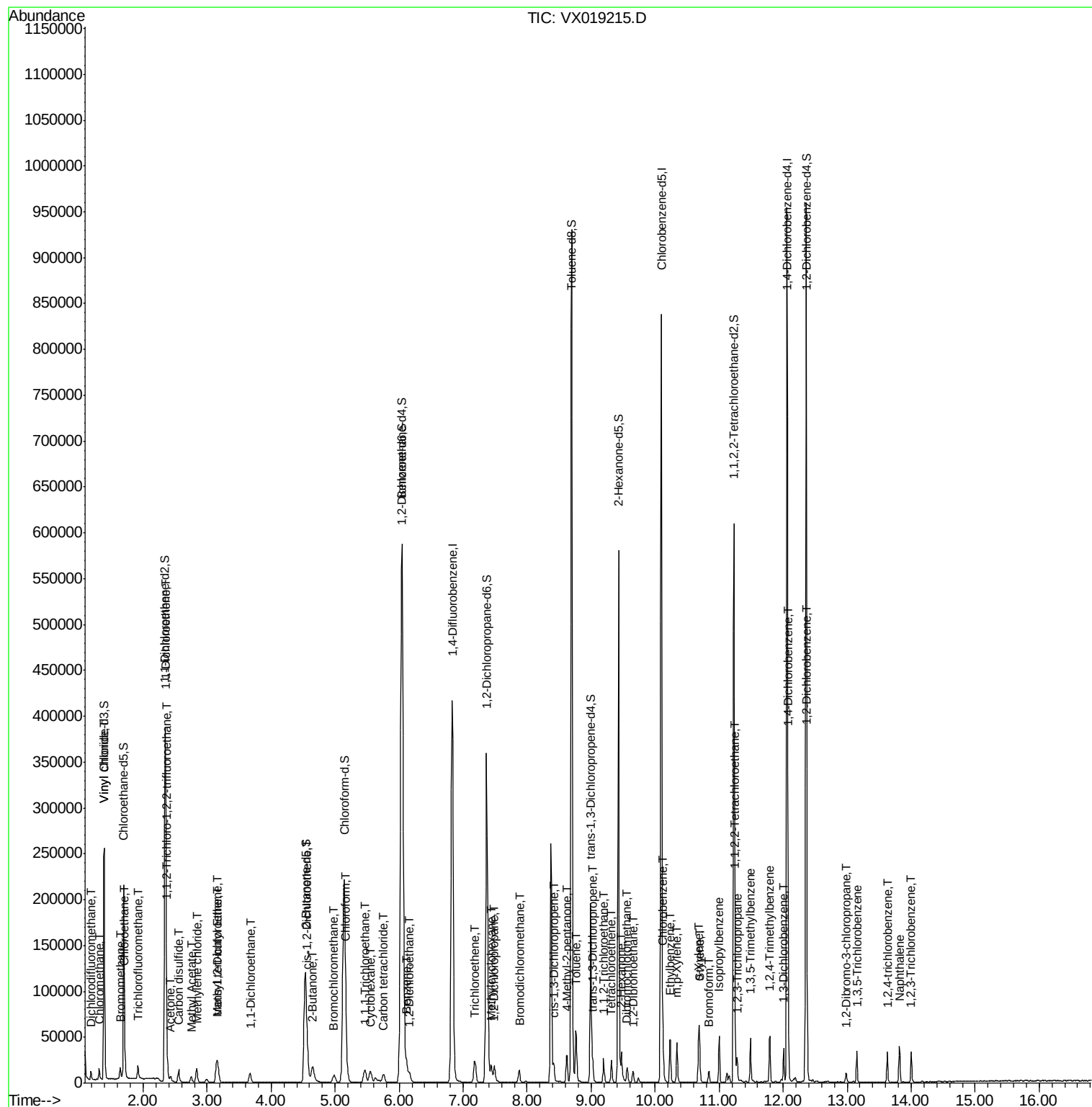
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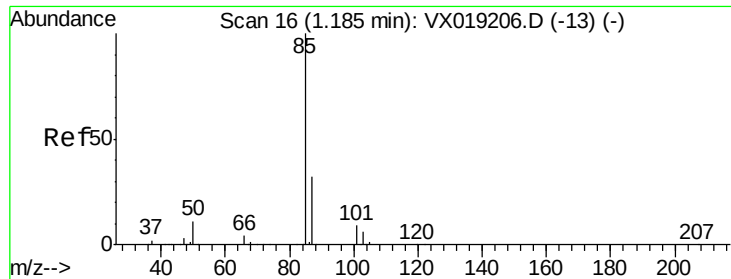
Instrument :
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ClientSampleId :
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#2

Dichlorodifluoromethane

Concen: 1.801 ug/L

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX019215.D

Acq: 02 Nov 2020 16:41

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-02

Tot Ion: 85 Resp: 4807

Ion Ratio Lower Upper

85 100

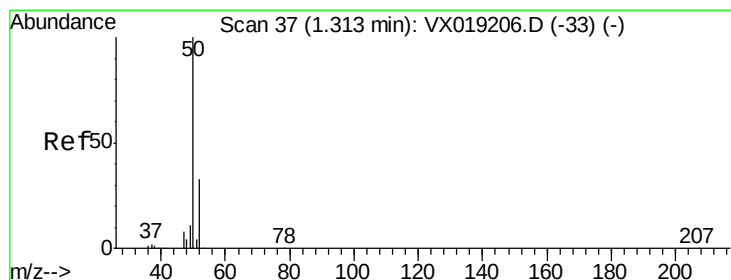
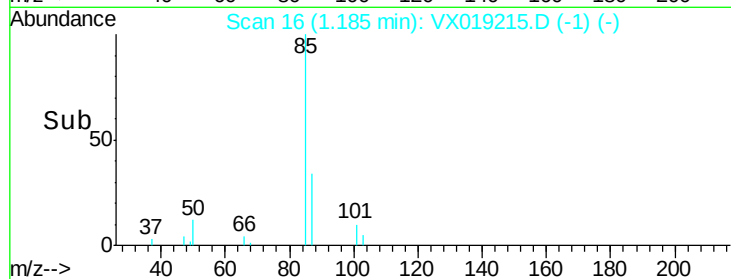
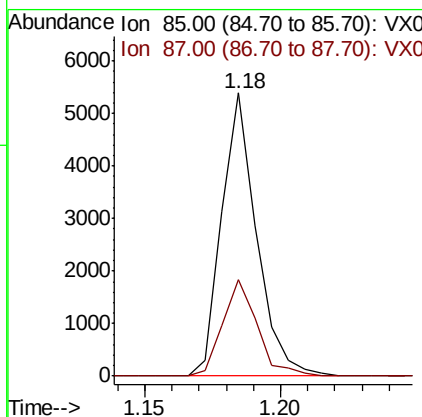
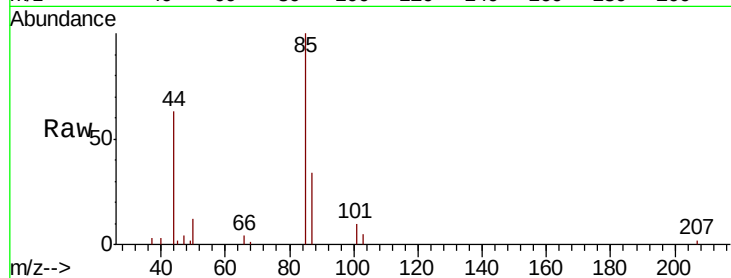
87 33.5 25.8 38.8

Manual Integrations

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#3

Chloromethane

Concen: 2.471 ug/L

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX019215.D

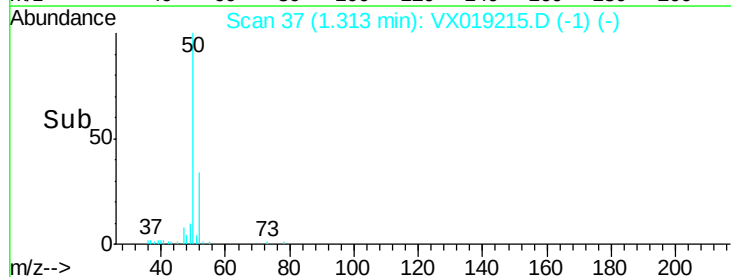
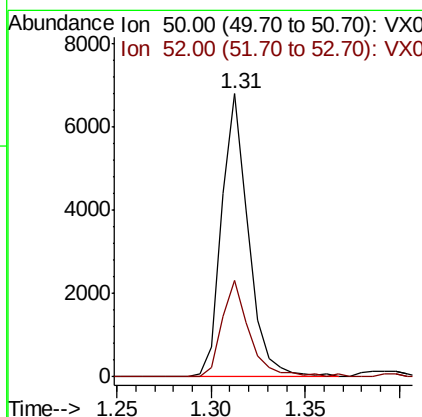
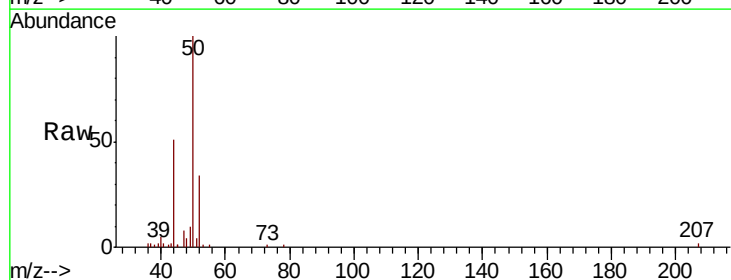
Acq: 02 Nov 2020 16:41

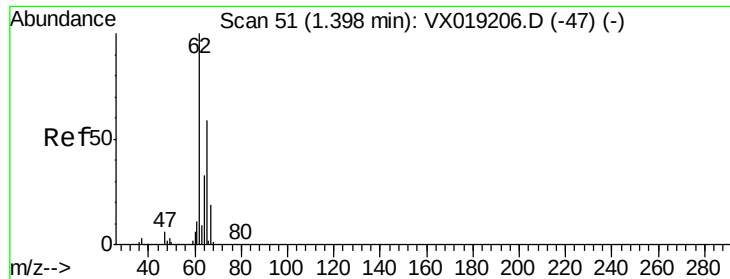
Tgt Ion: 50 Resp: 6699

Ion Ratio Lower Upper

50 100

52 33.9 22.8 42.4





#5

Vinyl chloride

Concen: 2.374 ug/L

RT: 1.39 min Scan# 50

Delta R.T. -0.01 min

Lab File: VX019215.D

Acq: 02 Nov 2020 16:41

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-02

Tot Ion: 62 Resp: 7255

Ion Ratio Lower Upper

62 100

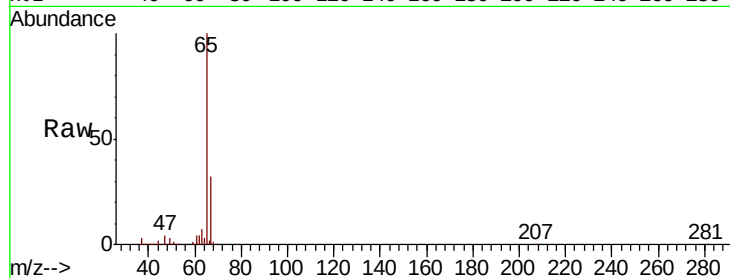
64 58.6 23.4 43.6#

Manual Integrations

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Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0

1.39

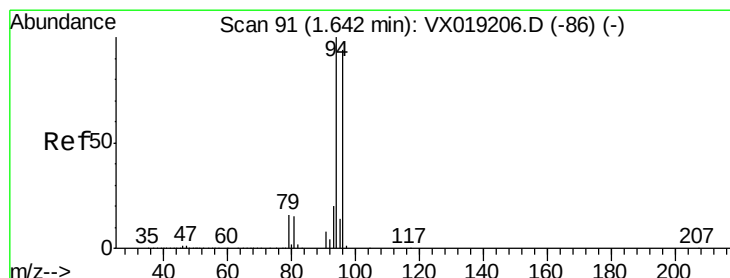
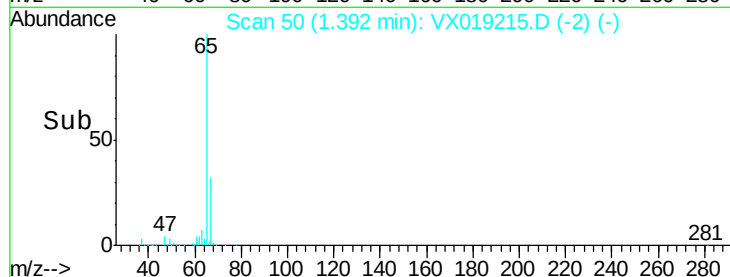
6000

4000

2000

0

Time--> 1.35 1.40 1.45



#6

Bromomethane

Concen: 2.461 ug/L

RT: 1.64 min Scan# 91

Delta R.T. -0.00 min

Lab File: VX019215.D

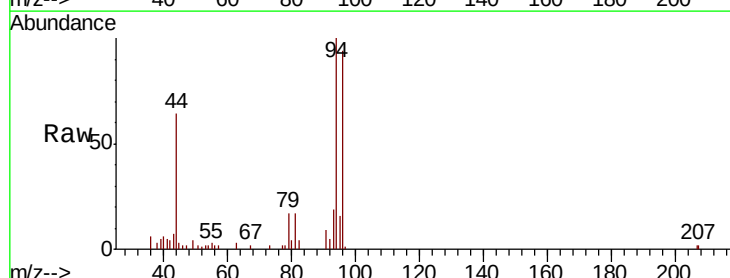
Acq: 02 Nov 2020 16:41

Tgt Ion: 94 Resp: 4971

Ion Ratio Lower Upper

94 100

96 94.0 66.0 122.6



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0

1.64

4000

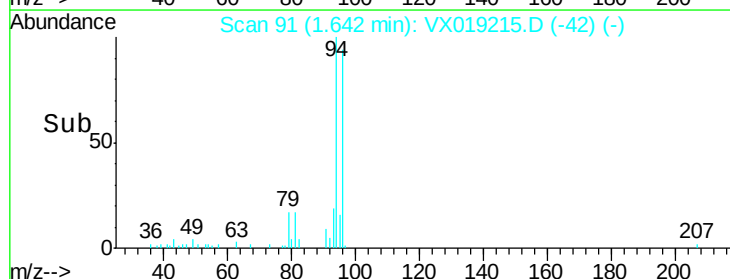
3000

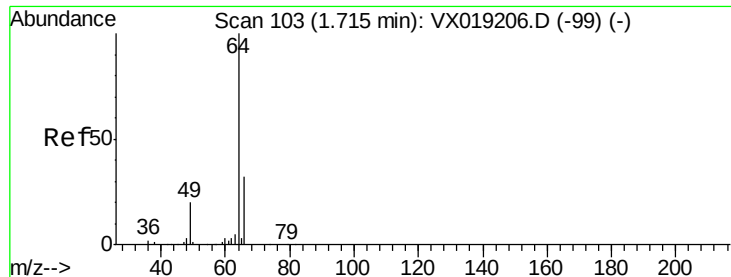
2000

1000

0

Time--> 1.60 1.65 1.70





#8

Chloroethane

Concen: 2.537 ug/L

RT: 1.71 min Scan# 103

Delta R.T. -0.00 min

Lab File: VX019215.D

Acq: 02 Nov 2020 16:41

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-02

Tot Ion: 64 Resp: 4832

Ion Ratio Lower Upper

64 100

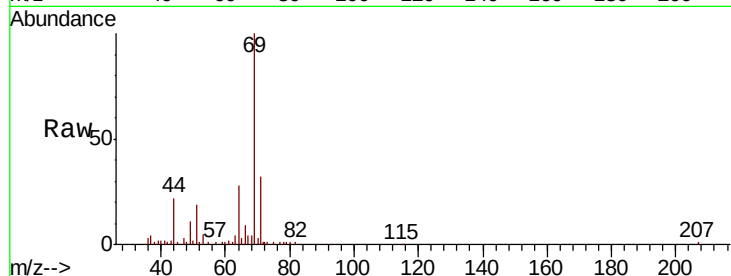
66 31.3 22.5 41.9

Manual Integrations

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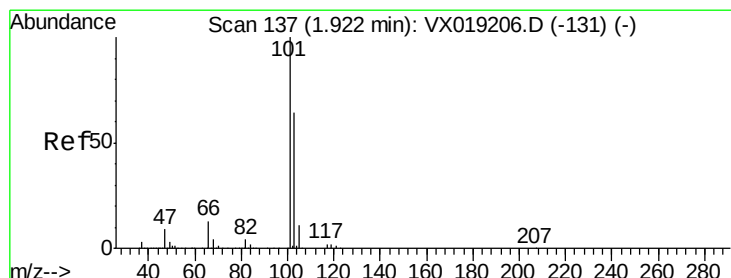
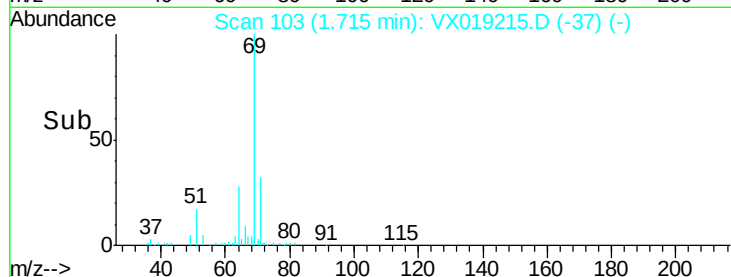
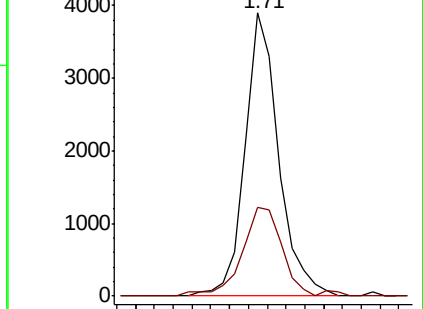
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Abundance Ion 64.00 (63.70 to 64.70): VX019215.D (-37) (-)

Ion 66.00 (65.70 to 66.70): VX019215.D (-37) (-)



#9

Trichlorofluoromethane

Concen: 1.966 ug/L

RT: 1.92 min Scan# 137

Delta R.T. -0.00 min

Lab File: VX019215.D

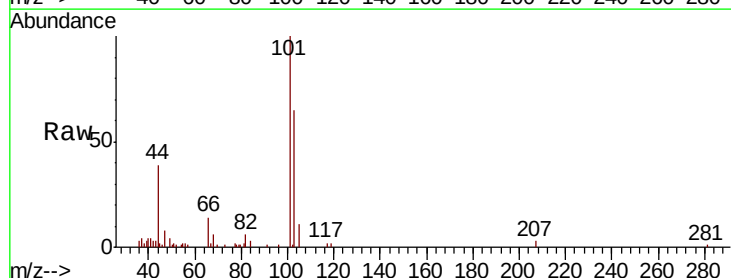
Acq: 02 Nov 2020 16:41

Tgt Ion: 101 Resp: 8916

Ion Ratio Lower Upper

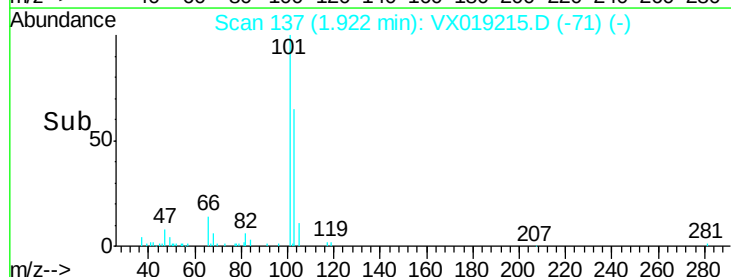
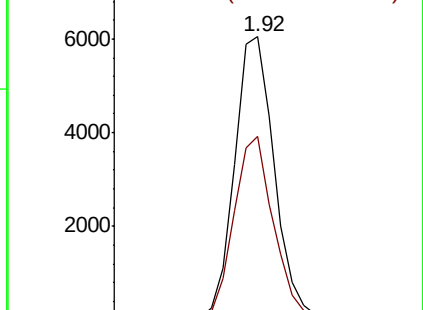
101 100

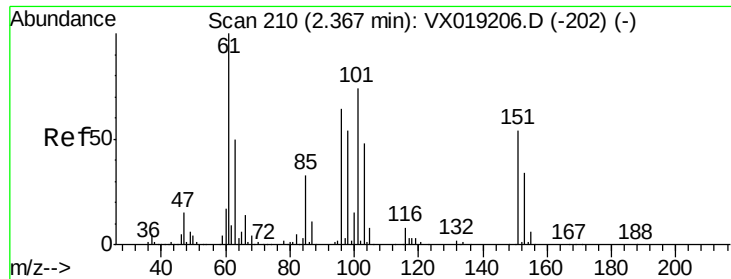
103 64.9 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): VX019215.D (-71) (-)

Ion 103.00 (102.70 to 103.70): VX019215.D (-71) (-)





#10

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

Concen: 2.524 ug/L

RT: 2.37 min Scan# 210

Delta R.T. -0.00 min

Lab File: VX019215.D

Acq: 02 Nov 2020 16:41

Instrument :

MSVOA_X

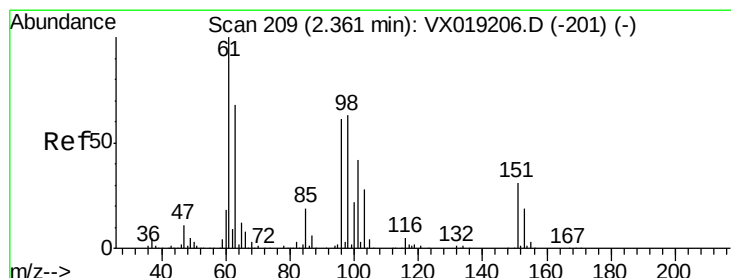
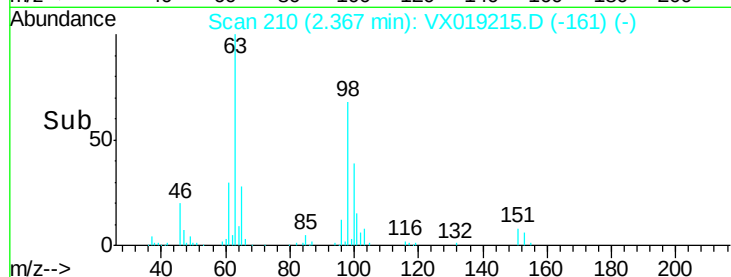
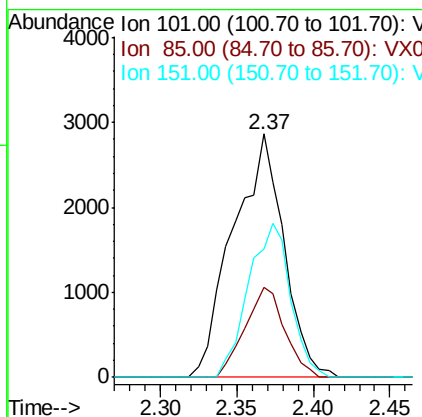
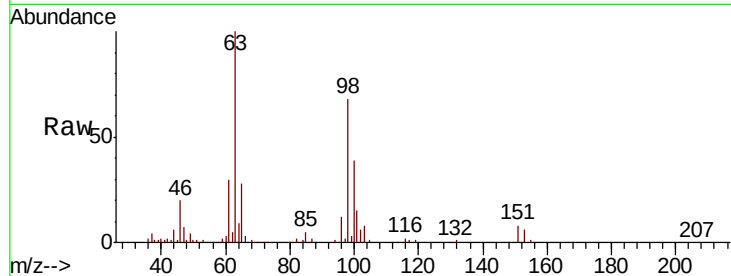
ClientSampleId :

MDL-WATER-02

Tot Ion:	101	Resp:	6601
Ion Ratio	Lower	Upper	
101	100		
85	29.0	35.0	52.4#
151	52.6	59.9	89.9#

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#12

1,1-Dichloroethene

Concen: 2.692 ug/L

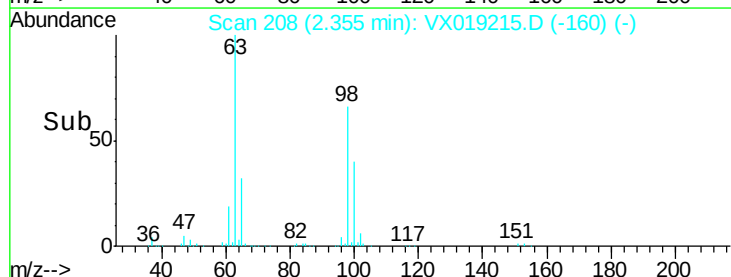
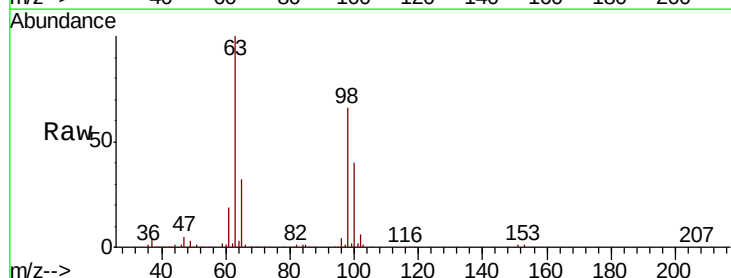
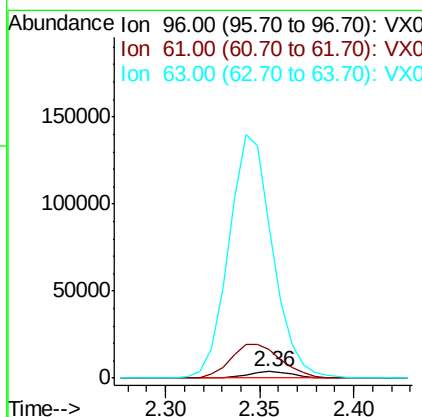
RT: 2.36 min Scan# 208

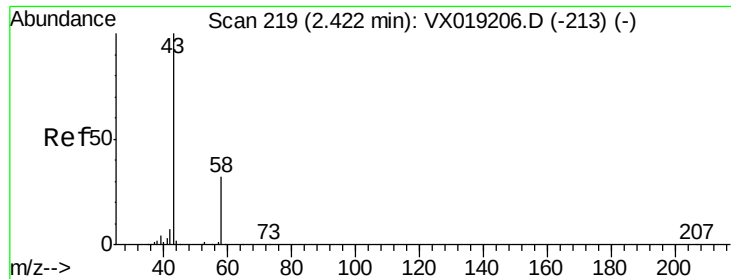
Delta R.T. -0.01 min

Lab File: VX019215.D

Acq: 02 Nov 2020 16:41

Tgt Ion:	96	Resp:	6831
Ion Ratio	Lower	Upper	
96	100		
61	432.6	115.1	213.8#
63	2303.7	78.3	145.5#





#13

Acetone

Concen: 5.314 ug/L

RT: 2.43 min Scan# 220

Delta R.T. 0.01 min

Lab File: VX019215.D

Acq: 02 Nov 2020 16:41

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-02

Tot Ion: 43 Resp: 6074

Ion Ratio Lower Upper

43 100

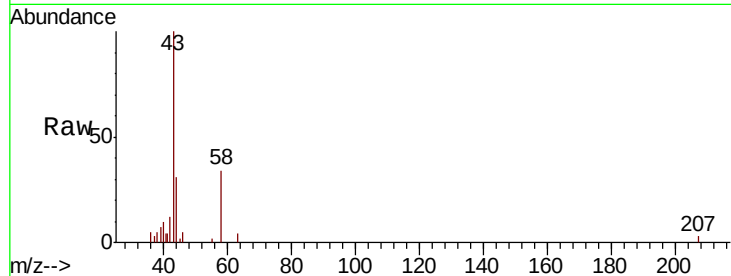
58 33.0 0.0 64.6

Manual Integrations

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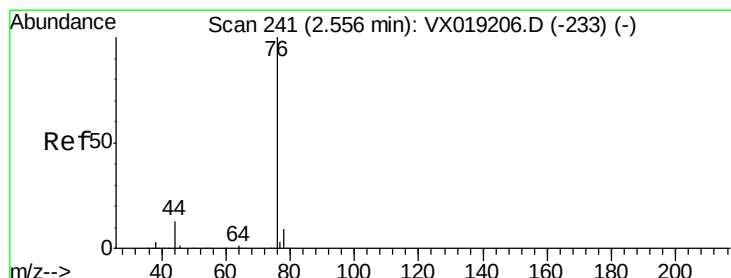
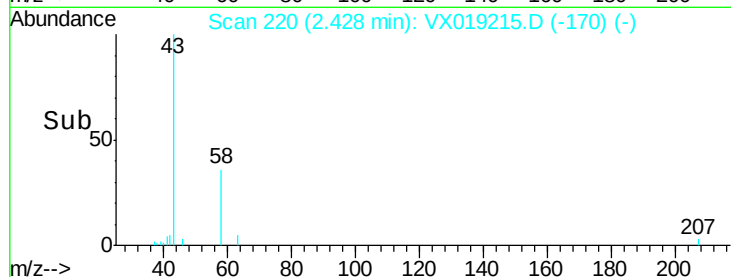
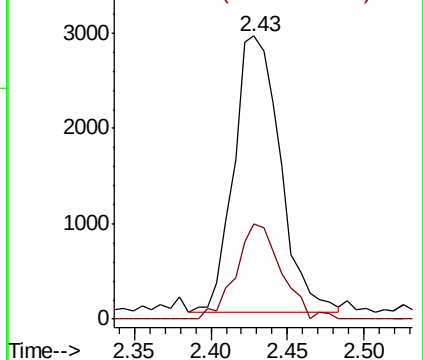
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11/4/2020 10:41:04 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#14

Carbon disulfide

Concen: 2.202 ug/L

RT: 2.56 min Scan# 241

Delta R.T. -0.00 min

Lab File: VX019215.D

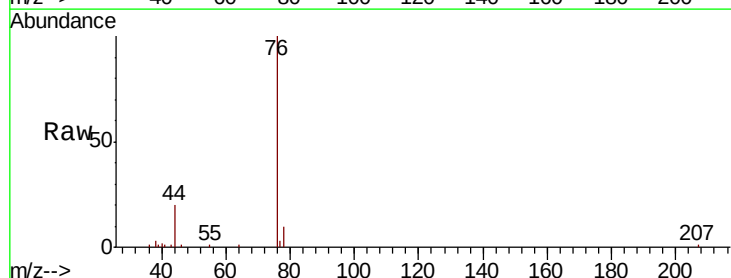
Acq: 02 Nov 2020 16:41

Tgt Ion: 76 Resp: 16864

Ion Ratio Lower Upper

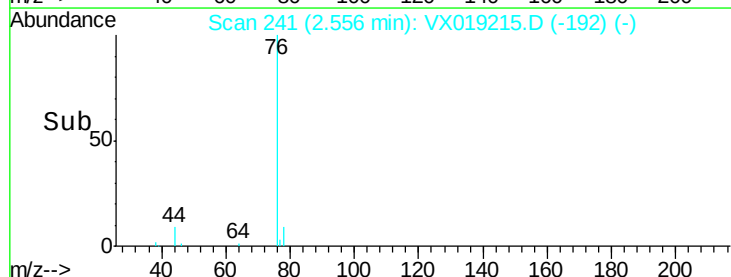
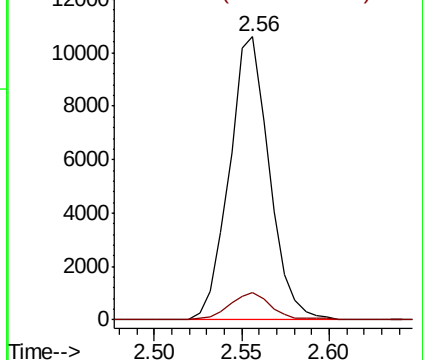
76 100

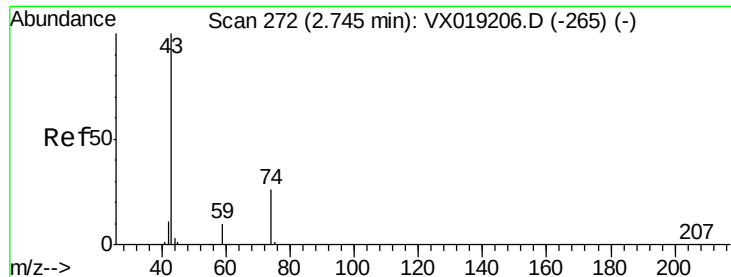
78 9.7 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





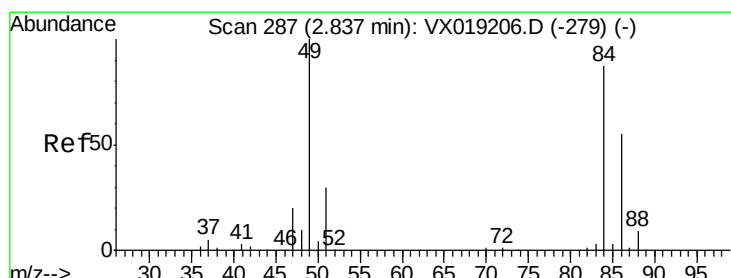
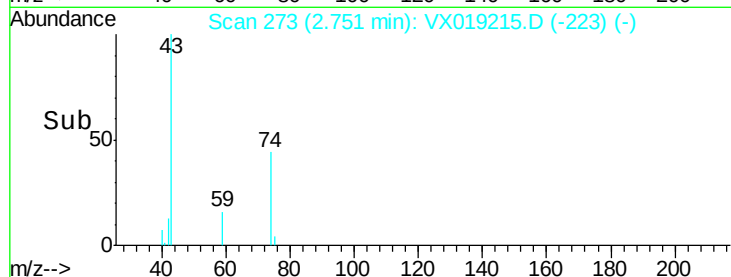
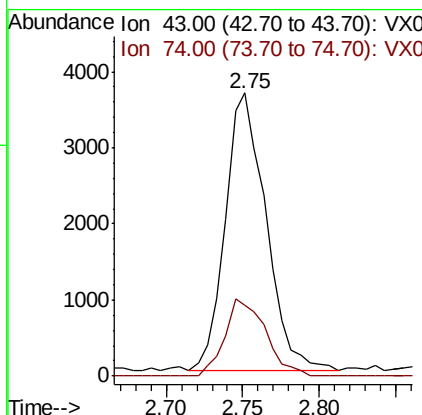
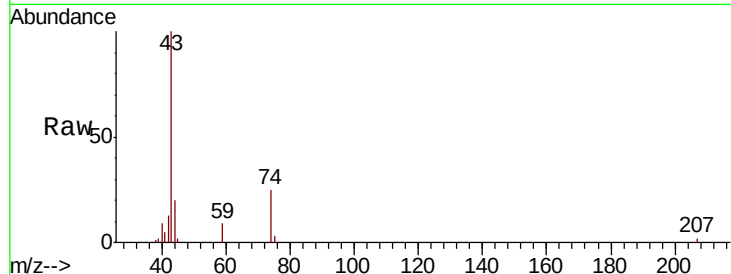
#15
Methyl Acetate
Concen: 2.710 ug/L
RT: 2.75 min Scan# 273
Delta R.T. 0.01 min
Lab File: VX019215.D
Acq: 02 Nov 2020 16:41

Instrument :
MSVOA_X
ClientSampled :
MDL-WATER-02

Tot Ion: 43 Resp: 6759
Ion Ratio Lower Upper
43 100
74 27.7 21.8 32.8

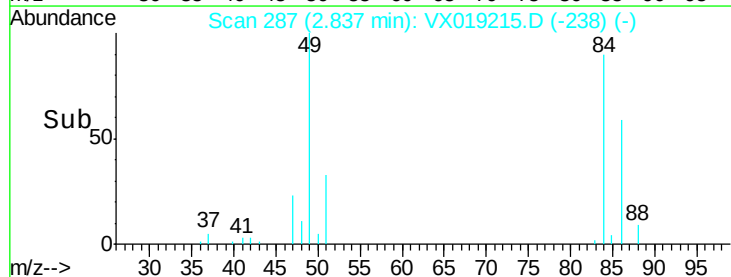
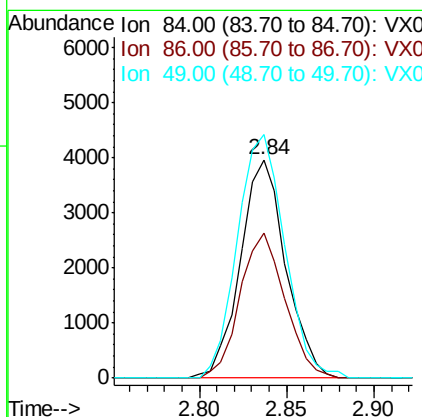
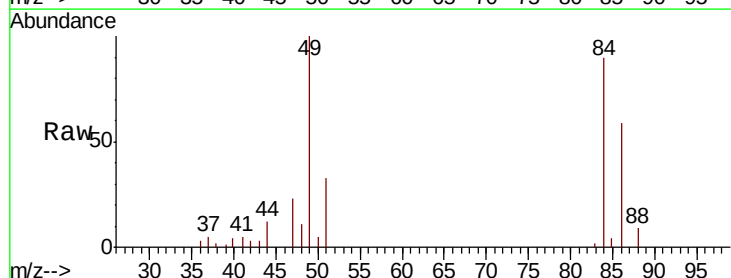
Manual Integrations
APPROVED

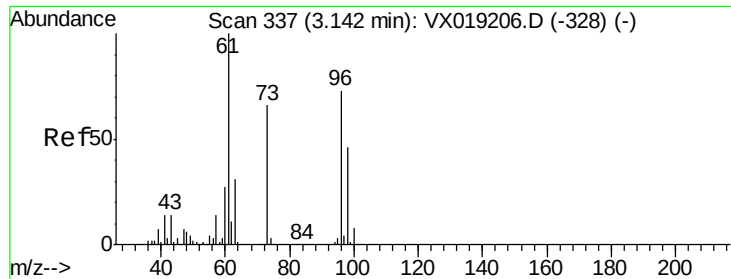
MMDadoda
11/4/2020 10:41:04 AM



#16
Methylene chloride
Concen: 2.526 ug/L
RT: 2.84 min Scan# 287
Delta R.T. -0.00 min
Lab File: VX019215.D
Acq: 02 Nov 2020 16:41

Tgt Ion: 84 Resp: 7148
Ion Ratio Lower Upper
84 100
86 66.3 44.0 81.6
49 111.6 80.6 149.6





#17

trans-1,2-Dichloroethene

Concen: 2.351 ug/L

RT: 3.15 min Scan# 338

Delta R.T. 0.01 min

Lab File: VX019215.D

Acq: 02 Nov 2020 16:41

Instrument :

MSVOA_X

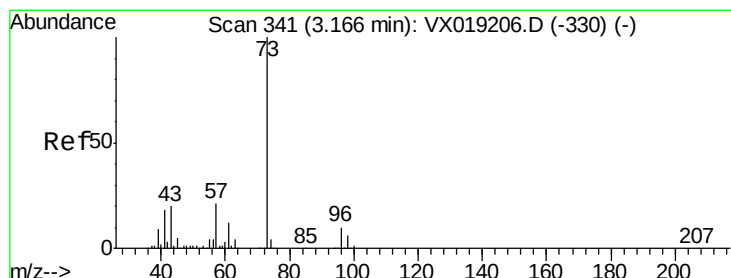
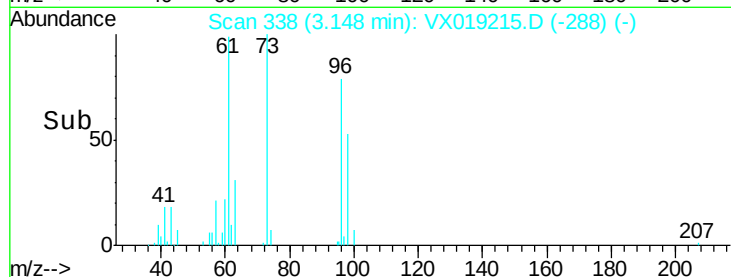
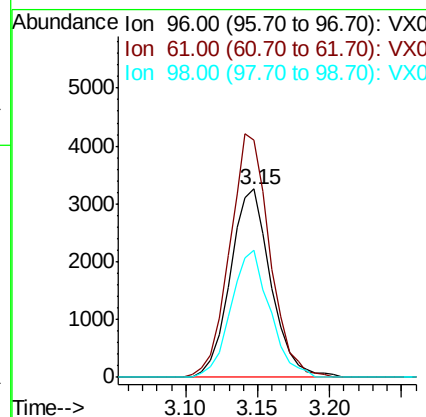
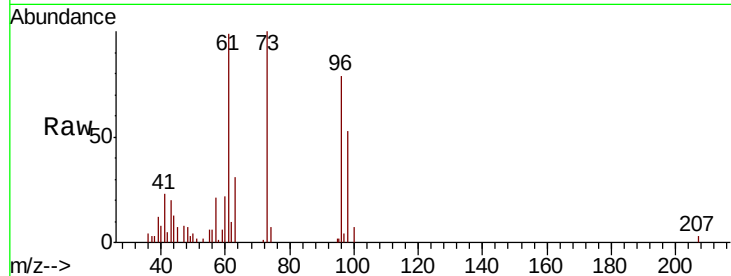
ClientSampleId :

MDL-WATER-02

Tot Ion:	96	Resp:	6414
Ion	Ratio	Lower	Upper
96	100		
61	126.0	95.7	177.7
98	67.4	44.2	82.0

Manual Integrations
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MMDadoda
11/4/2020 10:41:04 AM



#18

Methyl tert-butyl Ether

Concen: 2.418 ug/L

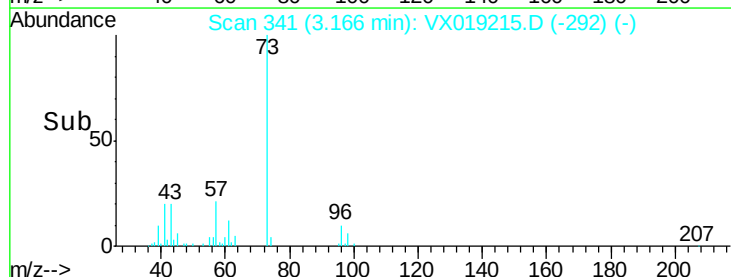
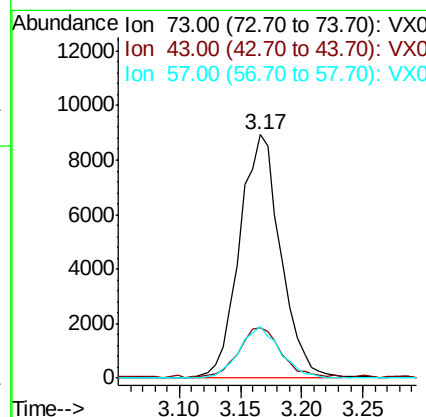
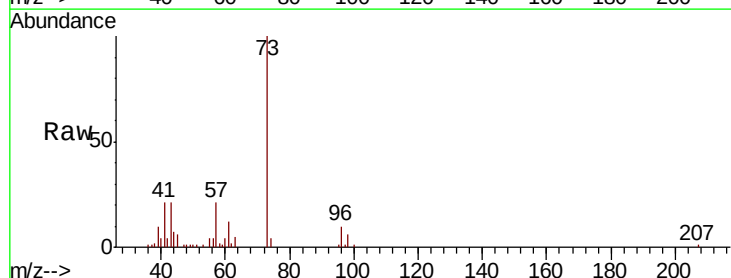
RT: 3.17 min Scan# 341

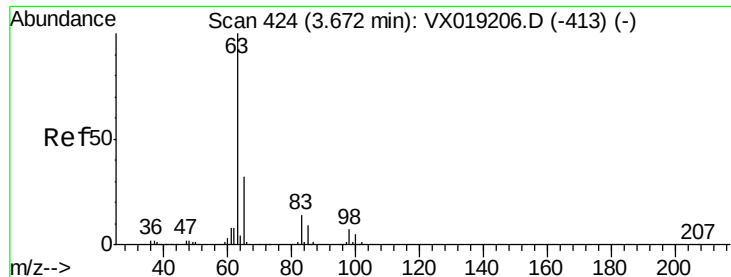
Delta R.T. -0.00 min

Lab File: VX019215.D

Acq: 02 Nov 2020 16:41

Tgt Ion:	73	Resp:	20857
Ion	Ratio	Lower	Upper
73	100		
43	21.8	15.8	23.6
57	20.7	17.0	25.4





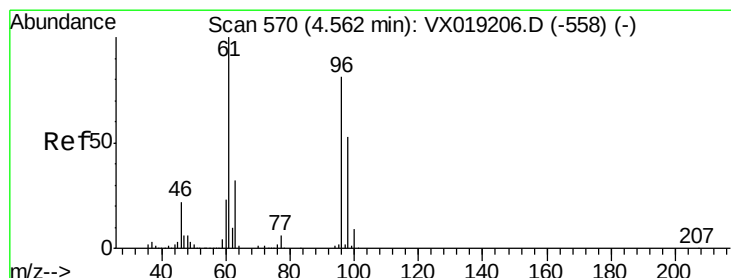
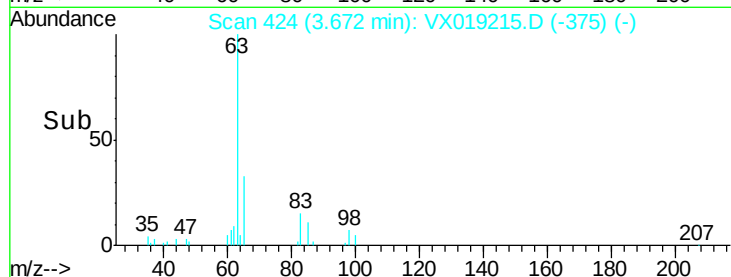
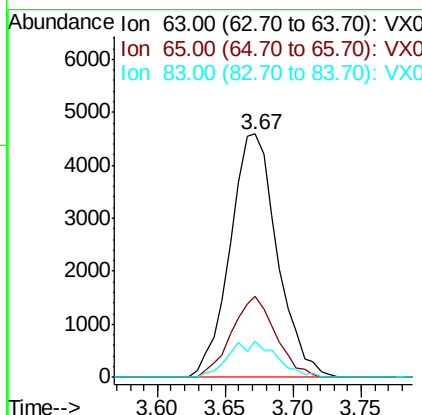
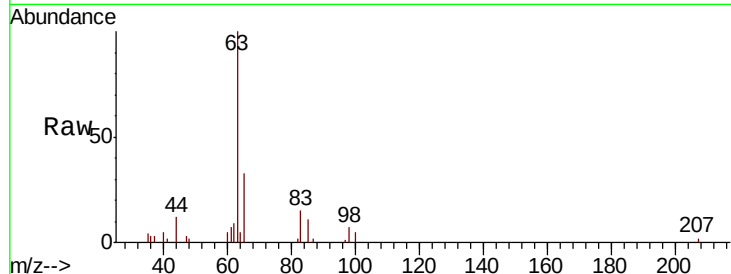
#19
 1,1-Dichloroethane
 Concen: 2.290 ug/L
 RT: 3.67 min Scan# 424
 Delta R.T. -0.00 min
 Lab File: VX019215.D
 Acq: 02 Nov 2020 16:41

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-02

Tot Ion:	63	Resp:	11103
Ion	Ratio	Lower	Upper
63	100		
65	33.5	22.3	41.3
83	15.1	9.7	18.1

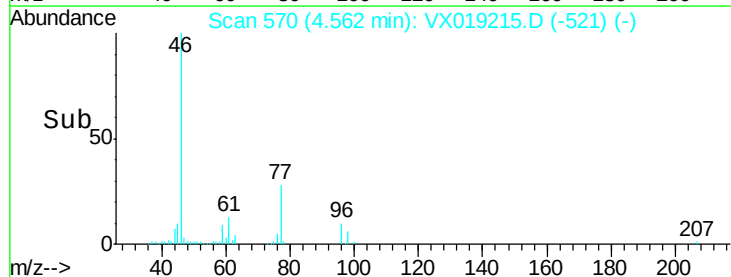
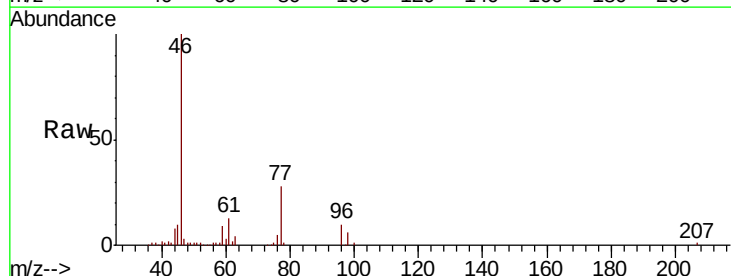
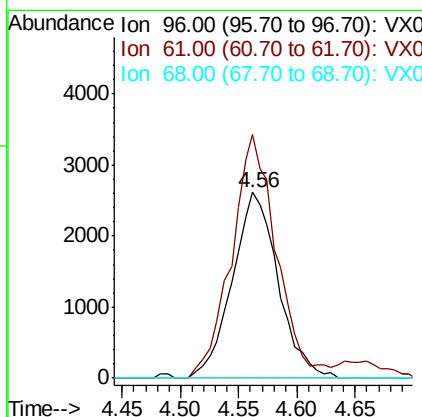
Manual Integrations
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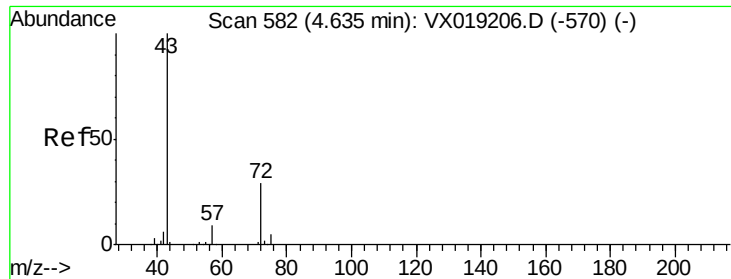
MMDadoda
 11/4/2020 10:41:04 AM



#20
 cis-1,2-Dichloroethene
 Concen: 2.390 ug/L
 RT: 4.56 min Scan# 570
 Delta R.T. -0.00 min
 Lab File: VX019215.D
 Acq: 02 Nov 2020 16:41

Tgt Ion:	96	Resp:	7163
Ion	Ratio	Lower	Upper
96	100		
61	131.0	86.1	159.9
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 5.746 ug/L

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX019215.D

Acq: 02 Nov 2020 16:41

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-02

Tot Ion: 43 Resp: 10373

Ion Ratio Lower Upper

43 100

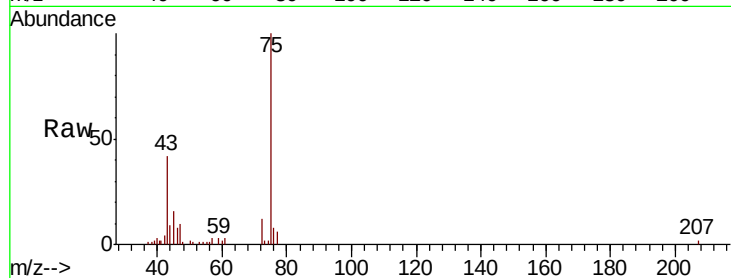
72 25.5 15.0 45.0

Manual Integrations

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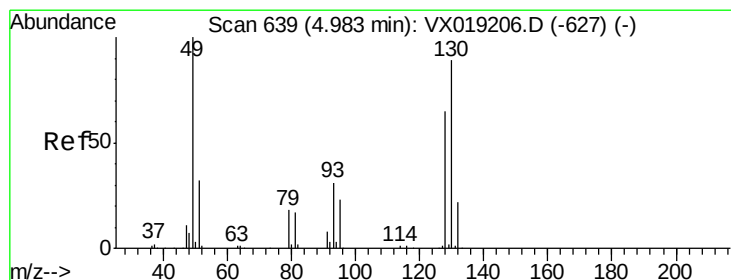
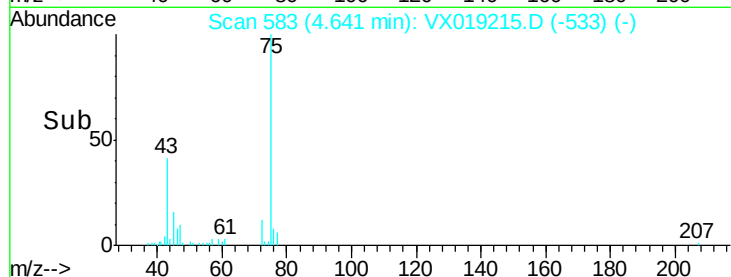
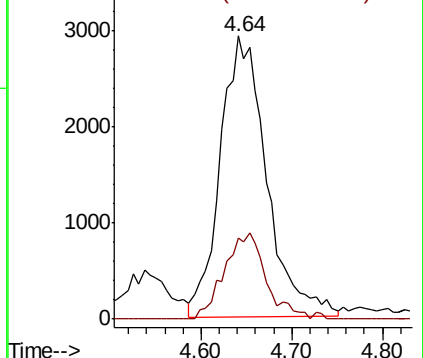
MMDadoda

11/4/2020 10:41:04 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#23

Bromochloromethane

Concen: 2.397 ug/L

RT: 4.98 min Scan# 638

Delta R.T. -0.01 min

Lab File: VX019215.D

Acq: 02 Nov 2020 16:41

Tgt Ion:128 Resp: 3618

Ion Ratio Lower Upper

128 100

49 143.6 108.4 201.4

130 134.6 96.7 179.7

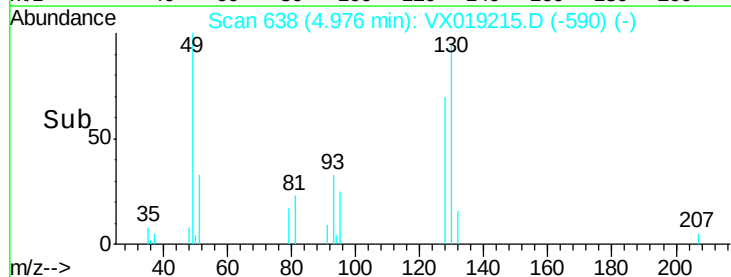
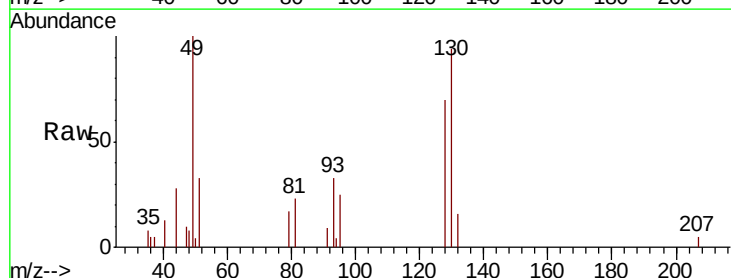
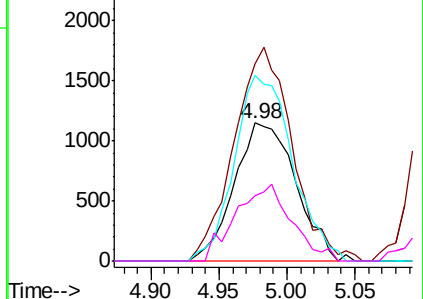
51 47.3 39.9 59.9

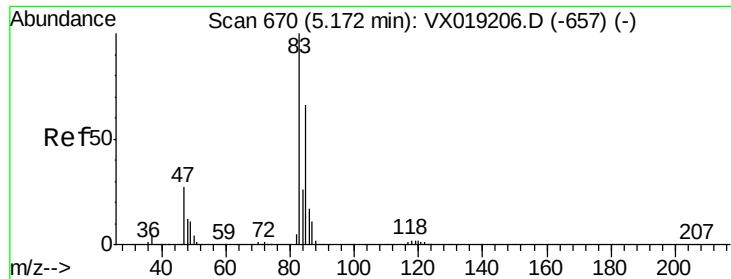
Abundance Ion 128.00 (127.70 to 128.70): V

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





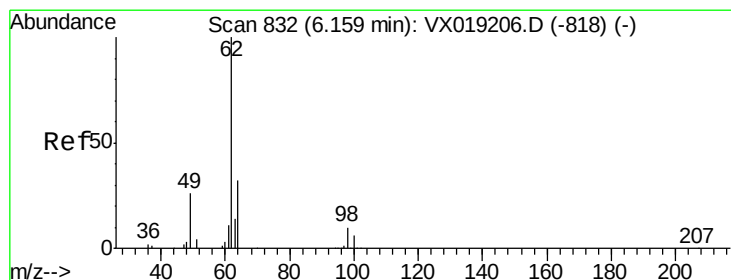
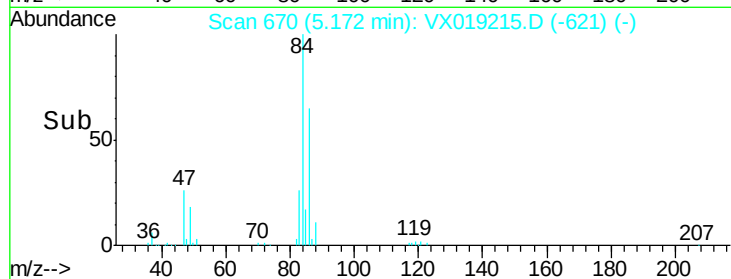
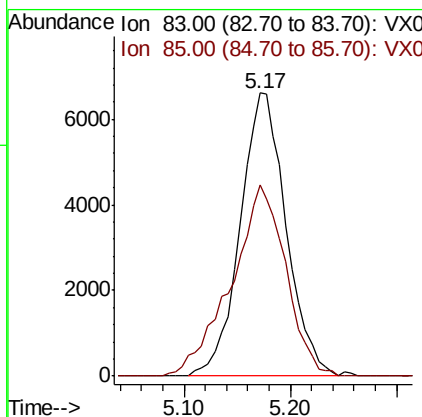
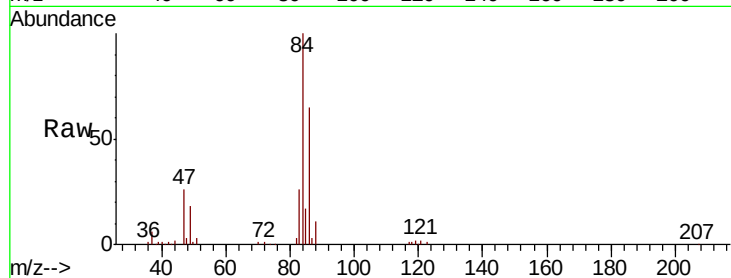
#25
Chloroform
Concen: 3.925 ug/L
RT: 5.17 min Scan# 670
Delta R.T. -0.00 min
Lab File: VX019215.D
Acq: 02 Nov 2020 16:41

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-02

Tot Ion	83	Resp	19972
Ion Ratio	100	Lower	Upper
85	67.5	46.5	86.3

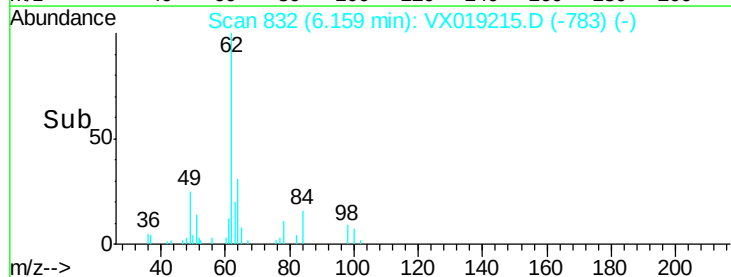
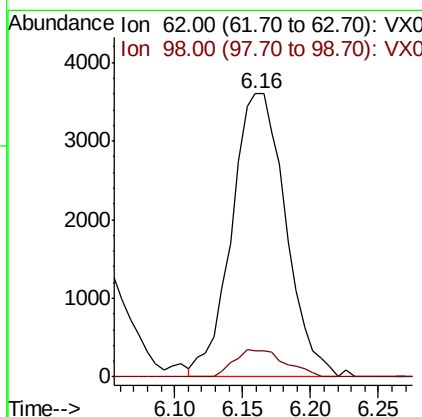
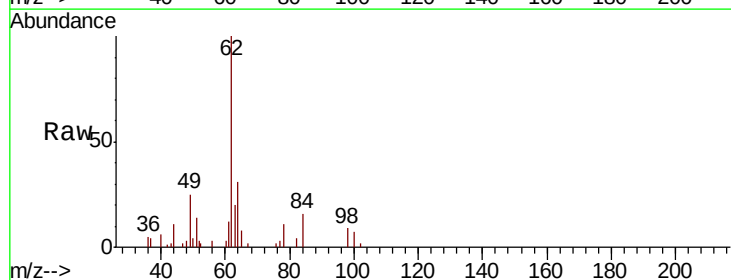
Manual Integrations
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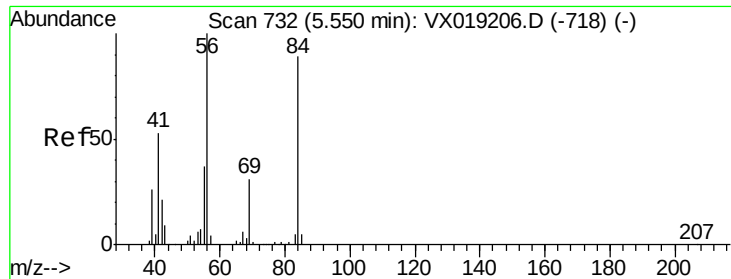
MMDadoda
11/4/2020 10:41:04 AM



#27
1,2-Dichloroethane
Concen: 2.486 ug/L
RT: 6.16 min Scan# 832
Delta R.T. -0.00 min
Lab File: VX019215.D
Acq: 02 Nov 2020 16:41

Tgt Ion	62	Resp	9960
Ion Ratio	100	Lower	Upper
98	9.3	7.6	11.4





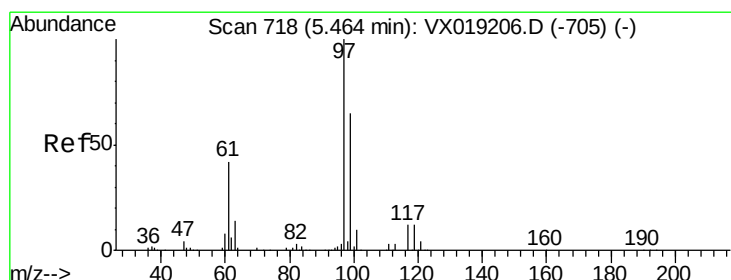
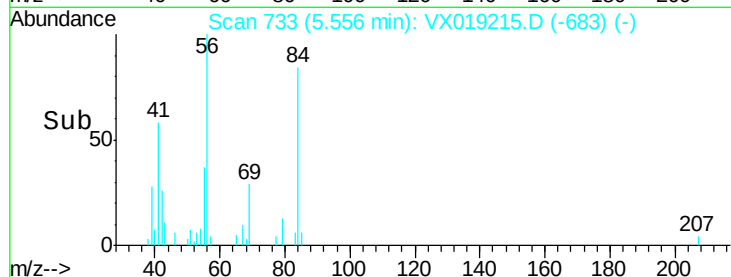
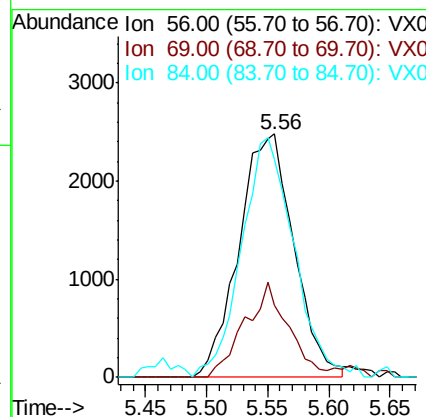
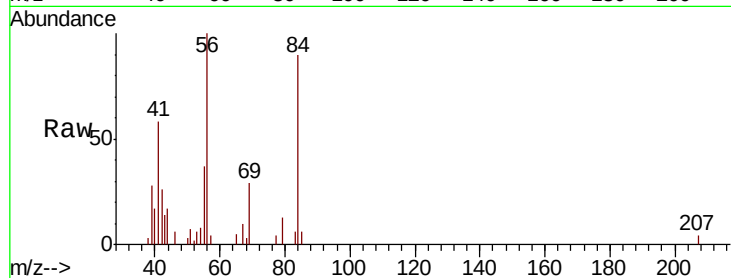
#29
Cyclohexane
Concen: 1.711 ug/L
RT: 5.56 min Scan# 733
Delta R.T. 0.01 min
Lab File: VX019215.D
Acq: 02 Nov 2020 16:41

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-02

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.8	25.2	37.8
84	93.0	73.6	110.4

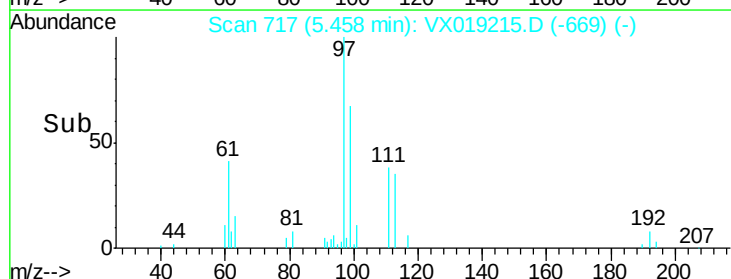
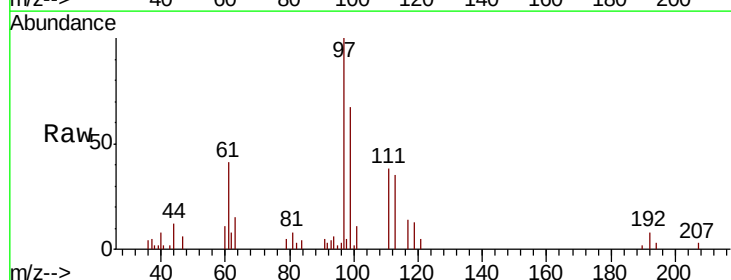
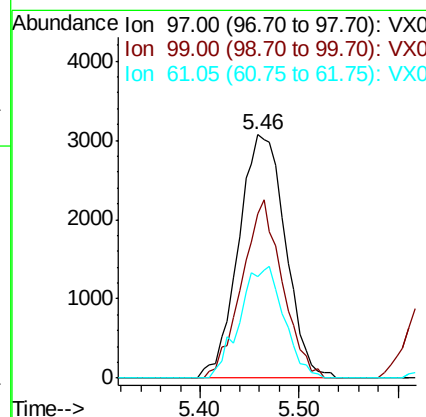
Manual Integrations
APPROVED

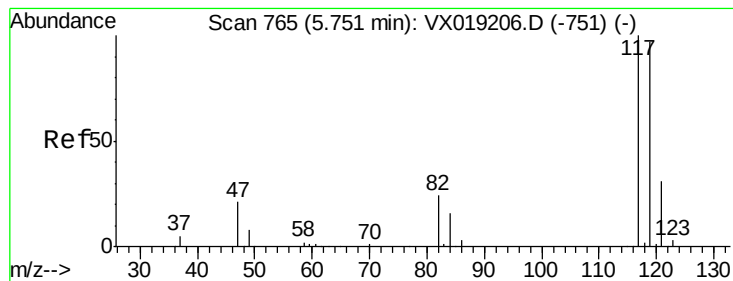
MMDadoda
11/4/2020 10:41:04 AM



#30
1,1,1-Trichloroethane
Concen: 2.124 ug/L m
RT: 5.46 min Scan# 717
Delta R.T. -0.01 min
Lab File: VX019215.D
Acq: 02 Nov 2020 16:41

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.0	76.6
61	20.6	34.8	52.2





#31

Carbon tetrachloride

Concen: 1.893 ug/L

RT: 5.76 min Scan# 766

Delta R.T. 0.01 min

Lab File: VX019215.D

Acq: 02 Nov 2020 16:41

Tot Ion: 117 Resp: 7728

Ion Ratio Lower Upper

117 100

119 97.8 76.9 115.3

Instrument :

MSVOA_X

ClientSampleId :

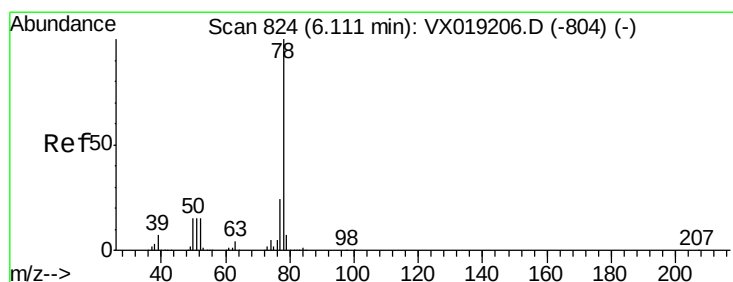
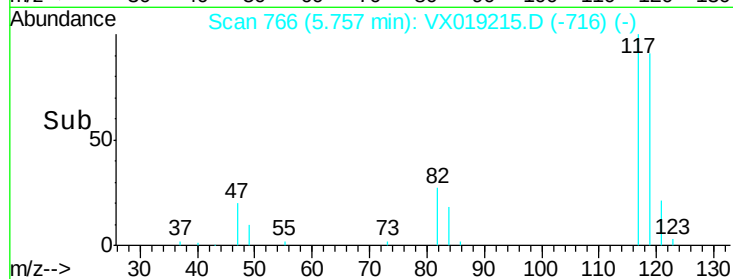
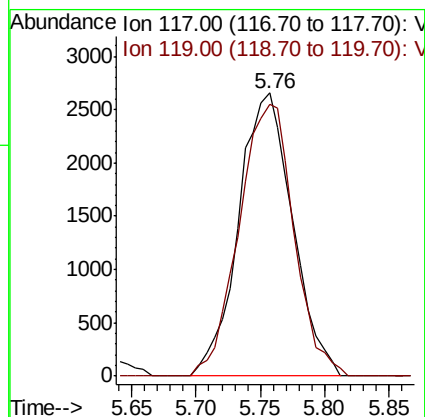
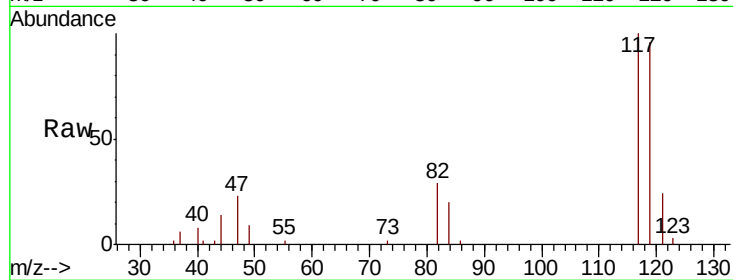
MDL-WATER-02

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11/4/2020 10:41:04 AM



#33

Benzene

Concen: 2.186 ug/L

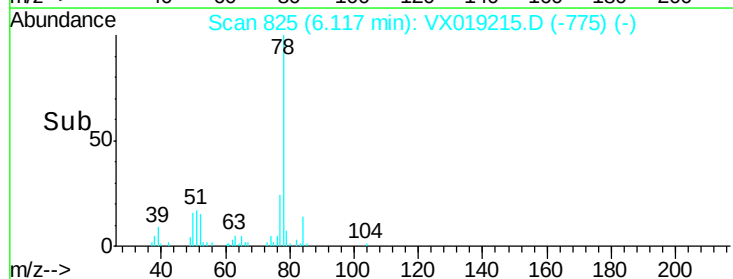
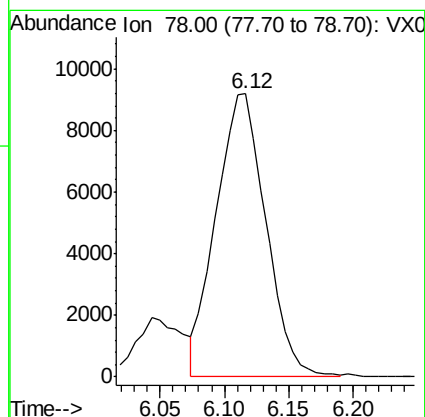
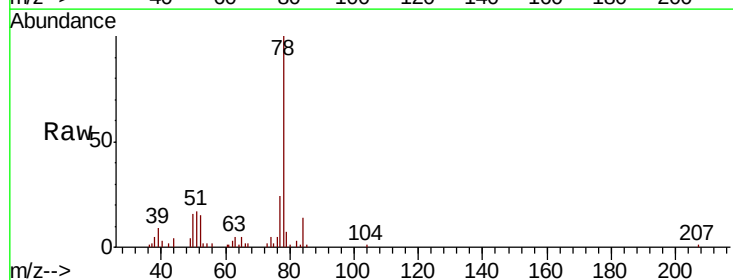
RT: 6.12 min Scan# 825

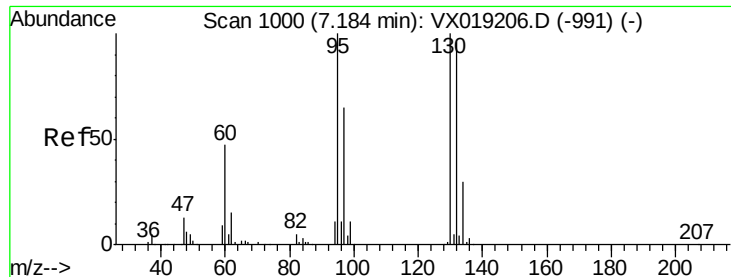
Delta R.T. 0.01 min

Lab File: VX019215.D

Acq: 02 Nov 2020 16:41

Tgt Ion: 78 Resp: 24735





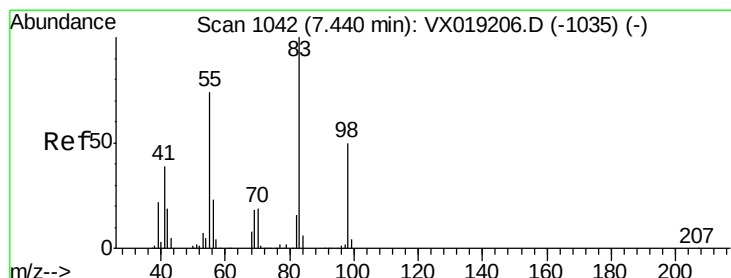
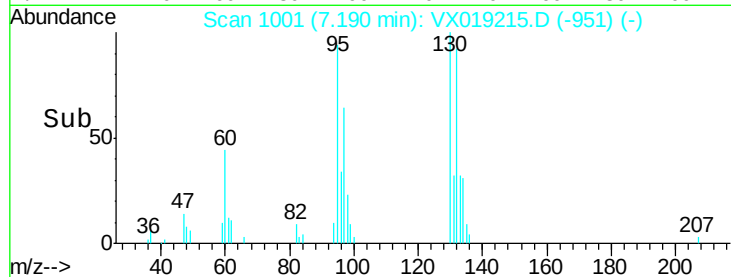
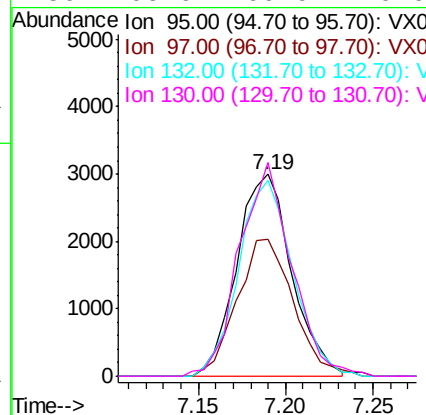
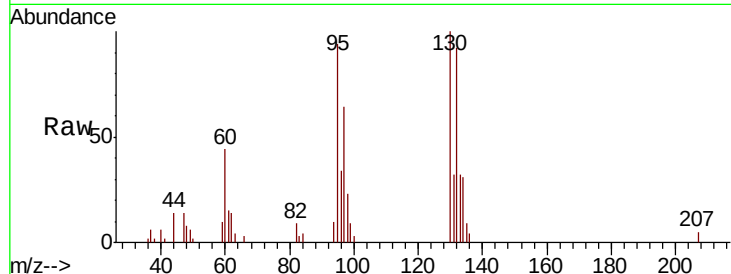
#34
 Trichloroethene
 Concen: 2.122 ug/L
 RT: 7.19 min Scan# 1001
 Delta R.T. 0.01 min
 Lab File: VX019215.D
 Acq: 02 Nov 2020 16:41

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-02

Tot Ion	95	Resp:	6555
Ion	Ratio	Lower	Upper
95	100		
97	68.1	45.1	83.9
132	97.3	67.3	124.9
130	105.9	69.9	129.9

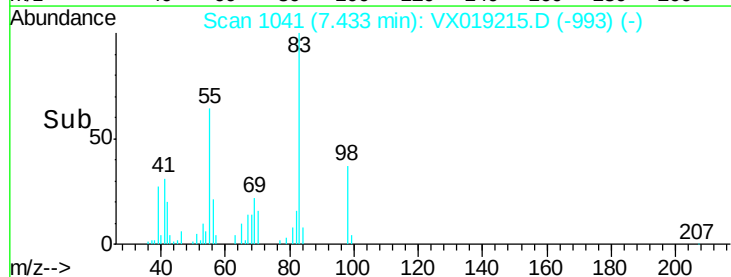
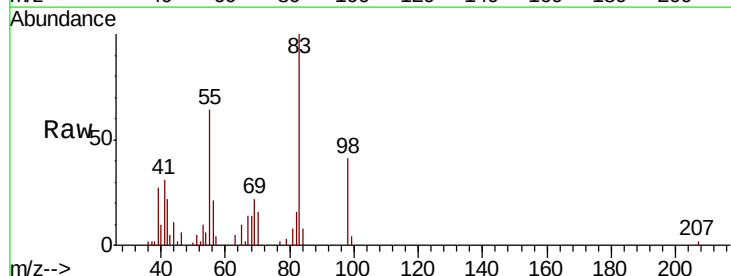
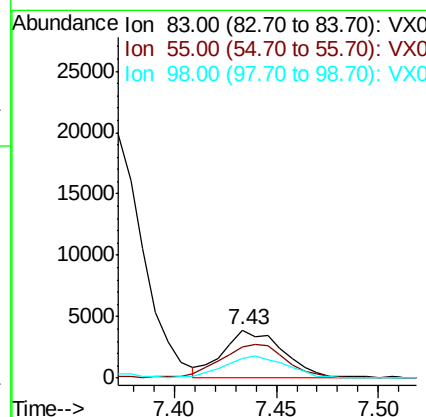
Manual Integrations
 APPROVED

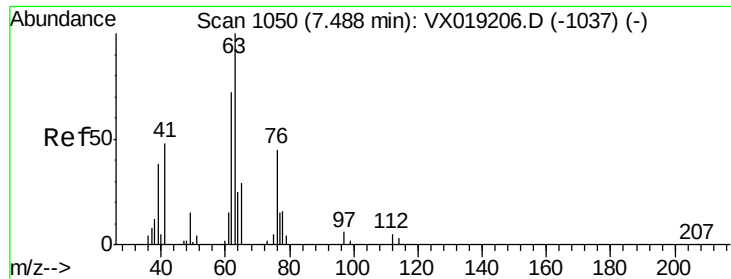
MMDadoda
 11/4/2020 10:41:04 AM



#35
 Methylcyclohexane
 Concen: 1.629 ug/L
 RT: 7.43 min Scan# 1041
 Delta R.T. -0.01 min
 Lab File: VX019215.D
 Acq: 02 Nov 2020 16:41

Tgt Ion	83	Resp:	7964
Ion	Ratio	Lower	Upper
83	100		
55	77.4	58.6	87.8
98	49.0	39.0	58.6





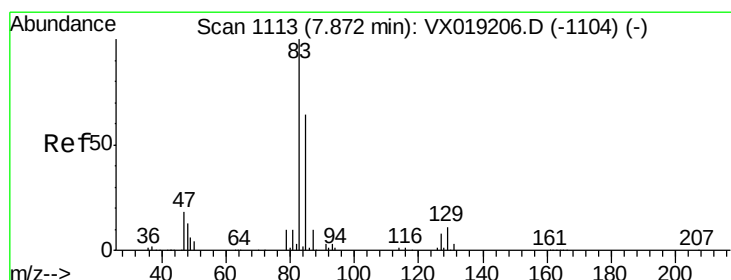
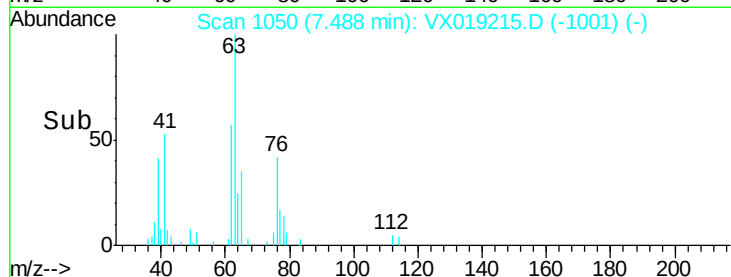
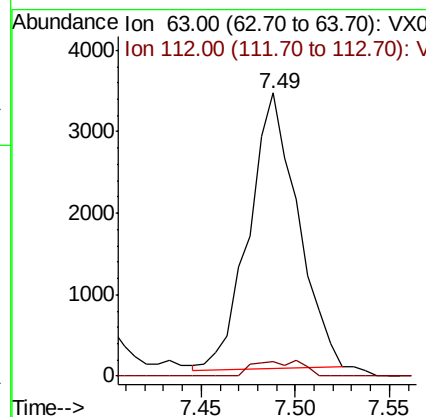
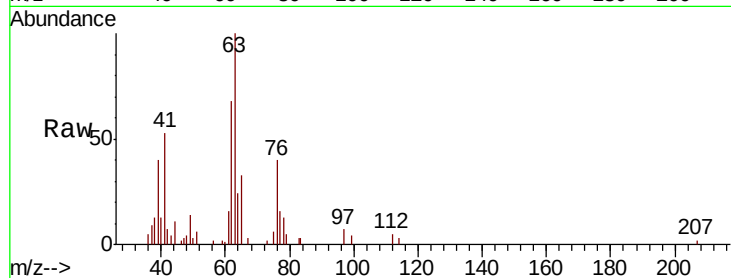
#37
 1,2-Dichloropropane
 Concen: 2.165 ug/L
 RT: 7.49 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VX019215.D
 Acq: 02 Nov 2020 16:41

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-02

Tot Ion	Ratio	Lower	Upper
63	100		
112	3.7	3.8	5.6#

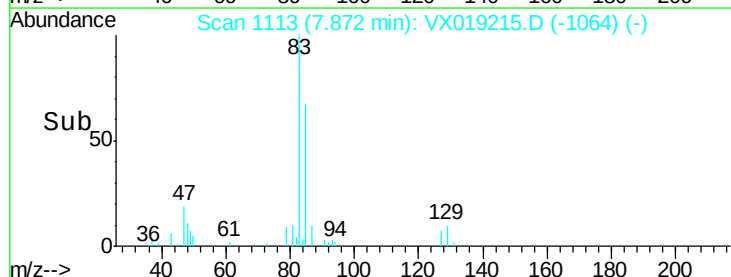
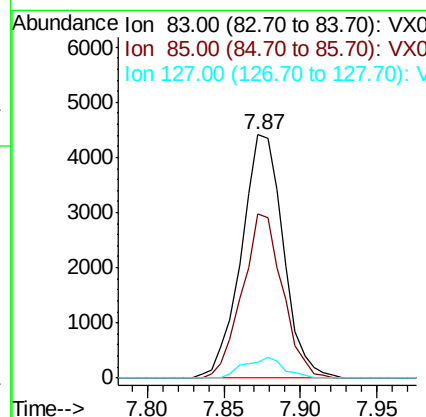
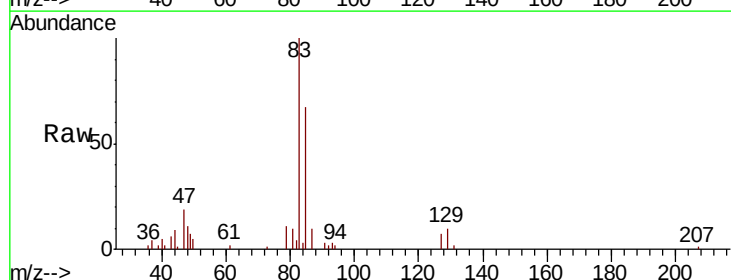
Manual Integrations
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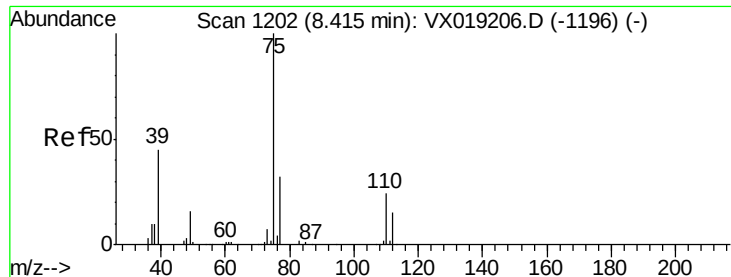
MMDadoda
 11/4/2020 10:41:04 AM



#38
 Bromodichloromethane
 Concen: 2.156 ug/L
 RT: 7.87 min Scan# 1113
 Delta R.T. -0.00 min
 Lab File: VX019215.D
 Acq: 02 Nov 2020 16:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.3	44.6	82.8
127	6.6	6.8	10.2#





#39

cis-1,3-Dichloropropene

Concen: 2.195 ug/L

RT: 8.41 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VX019215.D

Acq: 02 Nov 2020 16:41

Tot Ion: 75 Resp: 10251

Ion Ratio Lower Upper

75 100

77 32.7 22.5 41.7

Instrument :

MSVOA_X

ClientSampled :

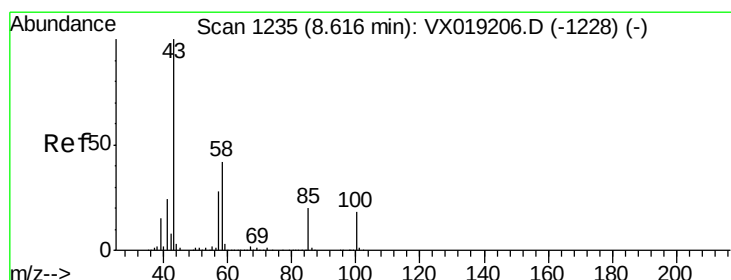
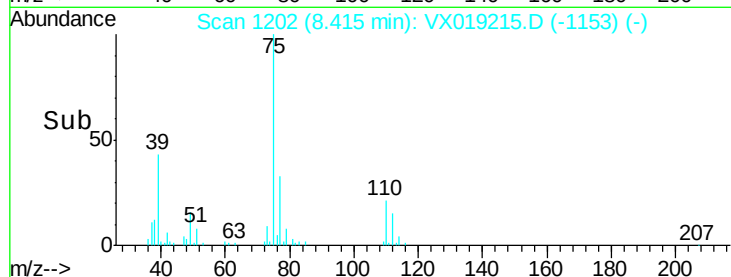
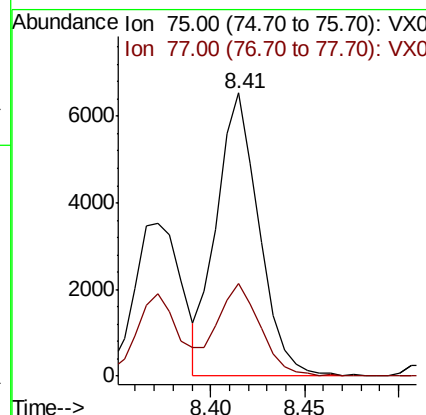
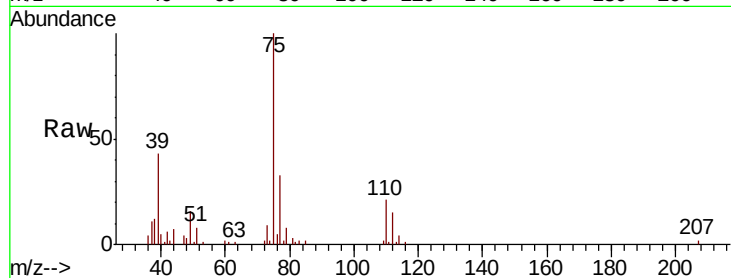
MDL-WATER-02

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#40

4-Methyl-2-pentanone

Concen: 4.972 ug/L

RT: 8.62 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VX019215.D

Acq: 02 Nov 2020 16:41

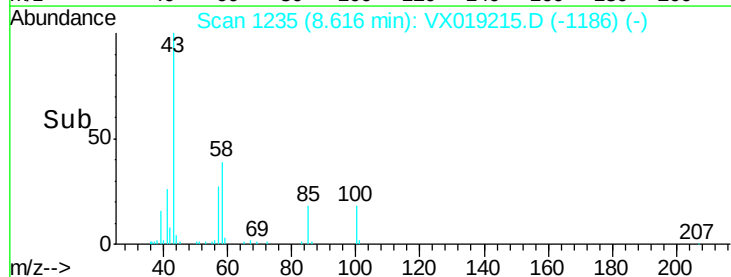
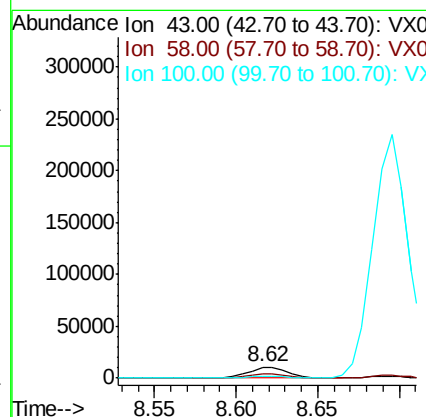
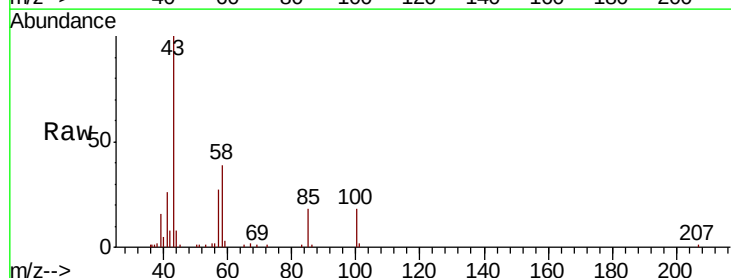
Tgt Ion: 43 Resp: 17092

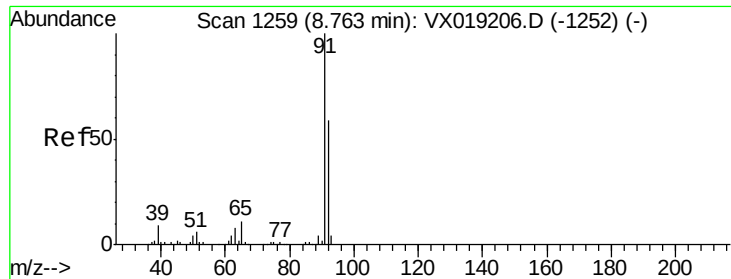
Ion Ratio Lower Upper

43 100

58 42.2 34.1 51.1

100 17.8 14.8 22.2





#42

Toluene

Concen: 2.785 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VX019215.D

Acq: 02 Nov 2020 16:41

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-02

Tot Ion: 91 Resp: 34286

Ion Ratio Lower Upper

91 100

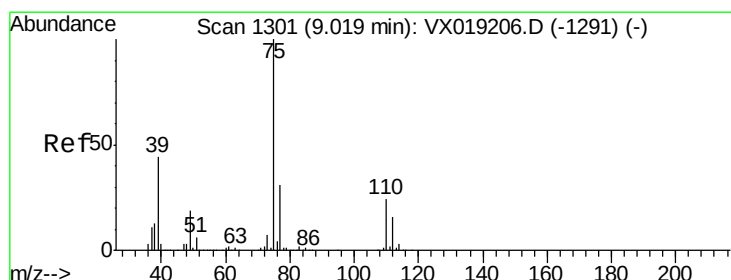
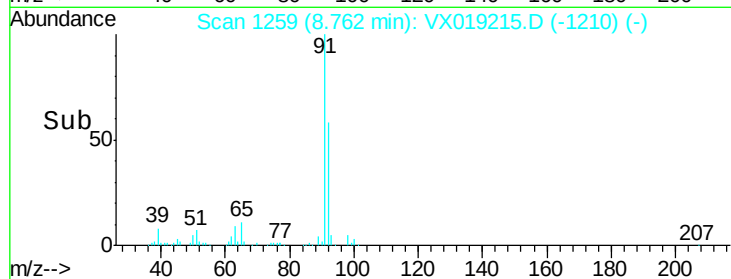
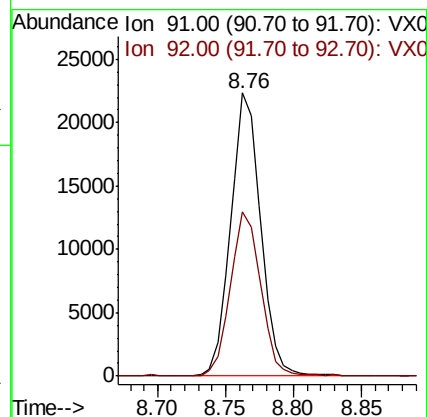
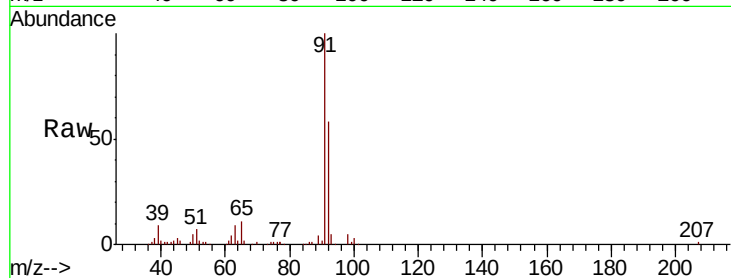
92 57.9 41.2 76.6

Manual Integrations

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MMDadoda

11/4/2020 10:41:04 AM



#44

trans-1,3-Dichloropropene

Concen: 2.311 ug/L

RT: 9.02 min Scan# 1302

Delta R.T. 0.01 min

Lab File: VX019215.D

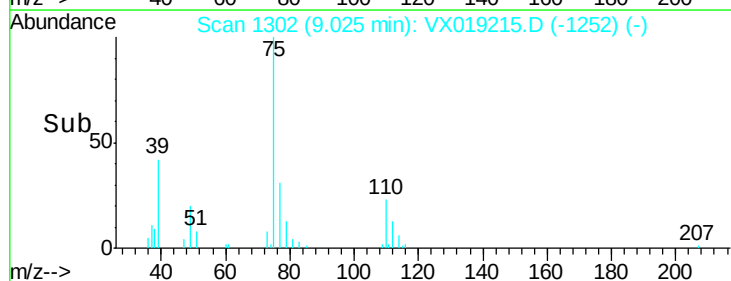
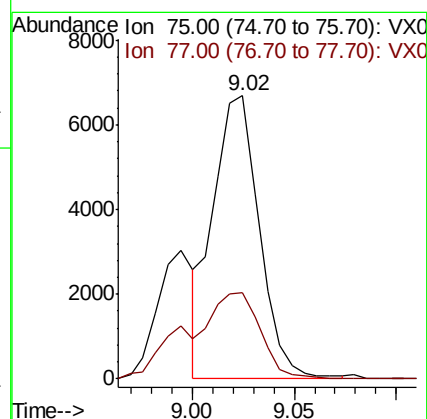
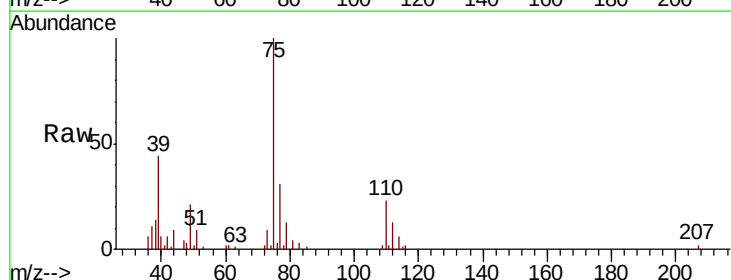
Acq: 02 Nov 2020 16:41

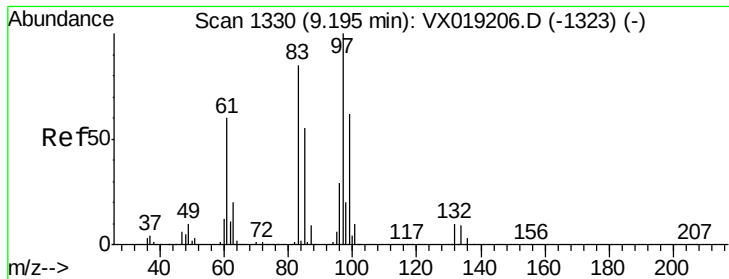
Tgt Ion: 75 Resp: 10514

Ion Ratio Lower Upper

75 100

77 30.6 21.8 40.6





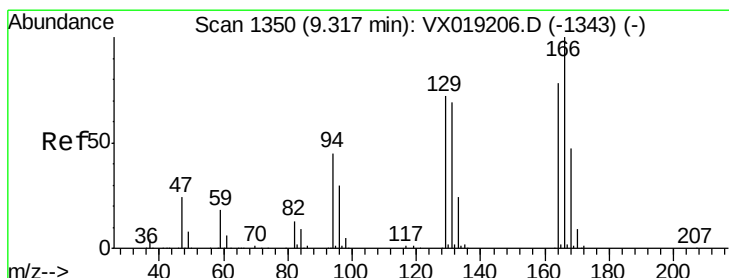
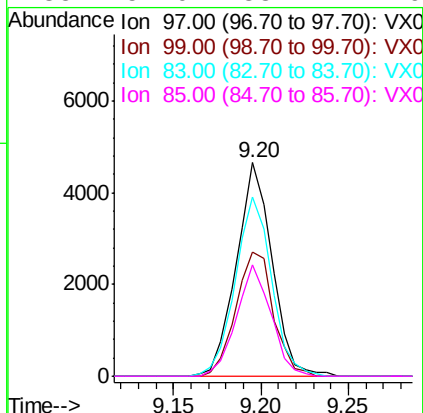
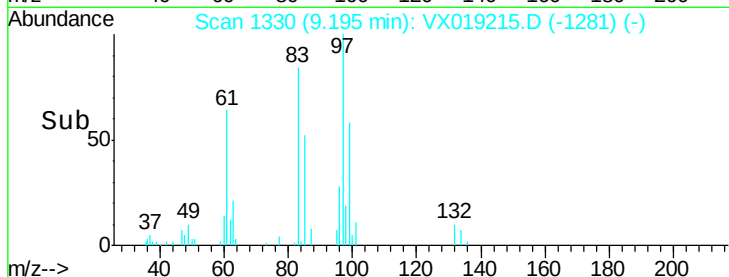
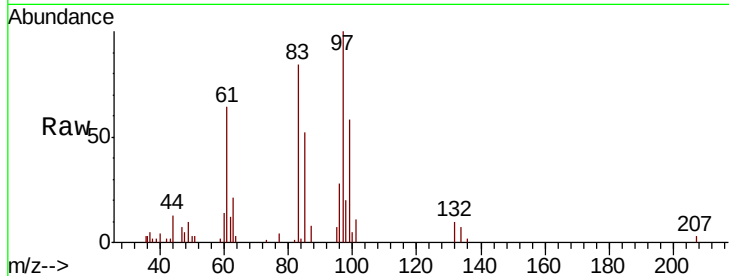
#45
 1,1,2-Trichloroethane
 Concen: 2.406 ug/L
 RT: 9.20 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VX019215.D
 Acq: 02 Nov 2020 16:41

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-02

Tot Ion:	97	Resp:	6644
Ion	Ratio	Lower	Upper
97	100		
99	58.3	43.3	80.3
83	83.9	59.4	110.4
85	52.0	38.7	71.9

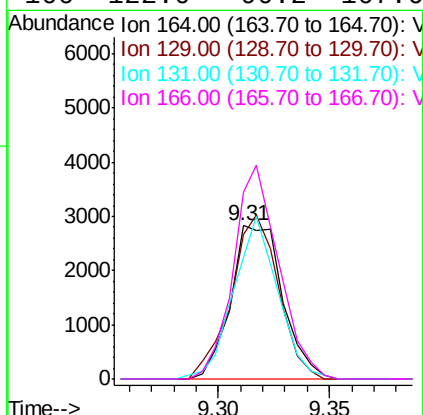
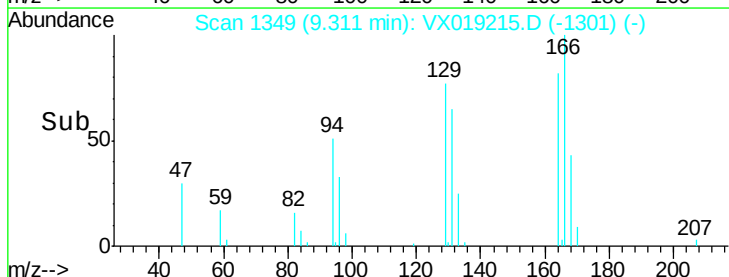
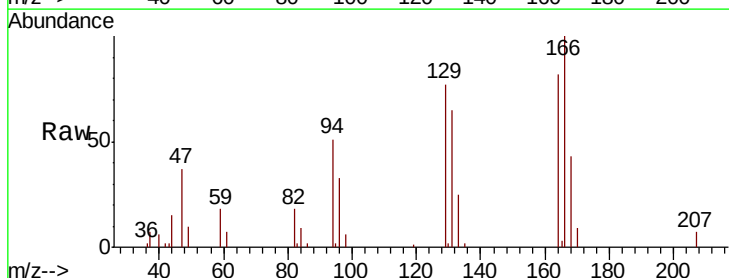
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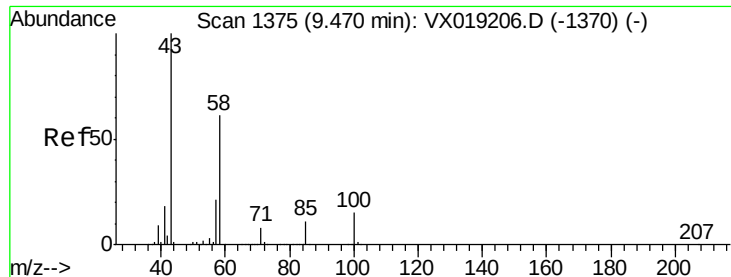
MMDadoda
 11/4/2020 10:41:04 AM



#46
 Tetrachloroethene
 Concen: 1.974 ug/L
 RT: 9.31 min Scan# 1349
 Delta R.T. -0.01 min
 Lab File: VX019215.D
 Acq: 02 Nov 2020 16:41

Tgt Ion:	164	Resp:	4600
Ion	Ratio	Lower	Upper
164	100		
129	94.5	65.2	121.2
131	78.9	62.5	116.1
166	122.0	90.2	167.6





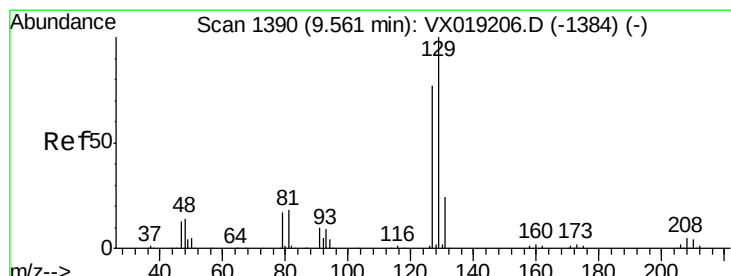
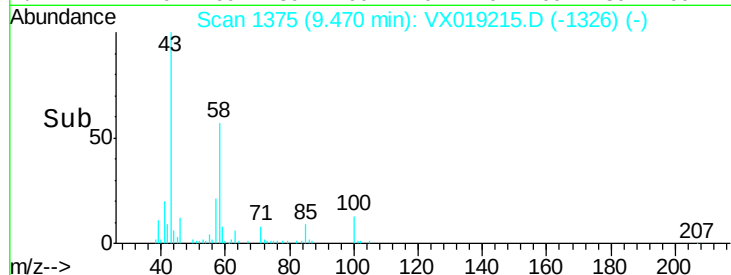
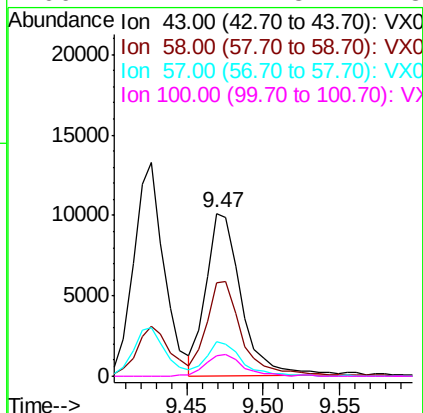
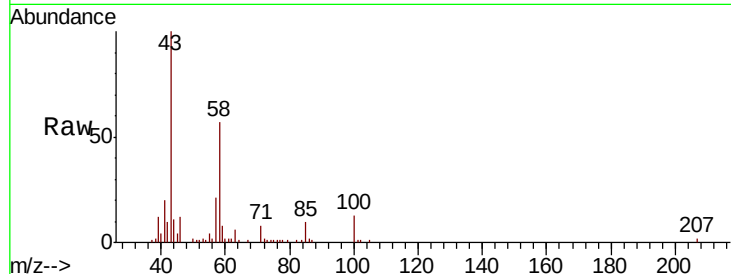
#48
2-Hexanone
Concen: 6.015 ug/L
RT: 9.47 min Scan# 1375
Delta R.T. -0.00 min
Lab File: VX019215.D
Acq: 02 Nov 2020 16:41

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-02

Tot Ion	Ratio	Lower	Upper
43	100		
58	58.4	48.2	72.2
57	19.6	17.1	25.7
100	14.1	11.8	17.8

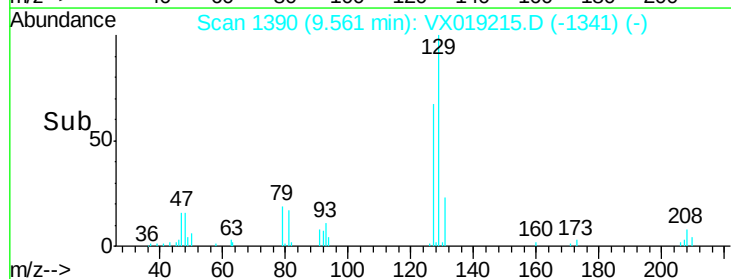
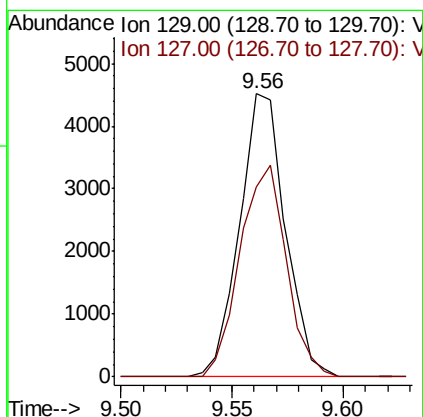
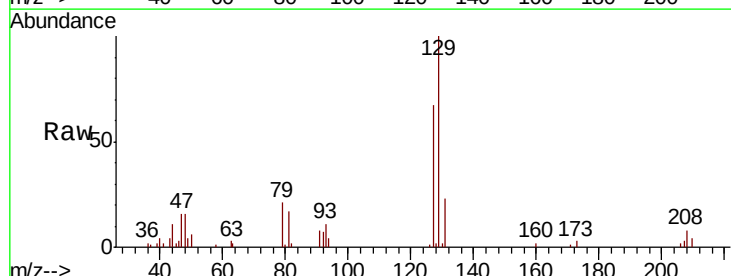
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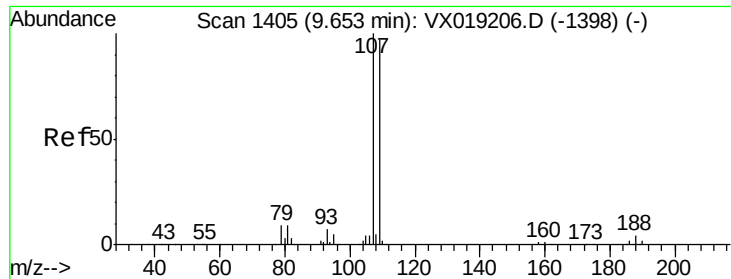
MMDadoda
11/4/2020 10:41:04 AM



#49
Dibromochloromethane
Concen: 2.149 ug/L
RT: 9.56 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VX019215.D
Acq: 02 Nov 2020 16:41

Tgt Ion	Ratio	Lower	Upper
129	100		
127	67.1	54.0	100.2





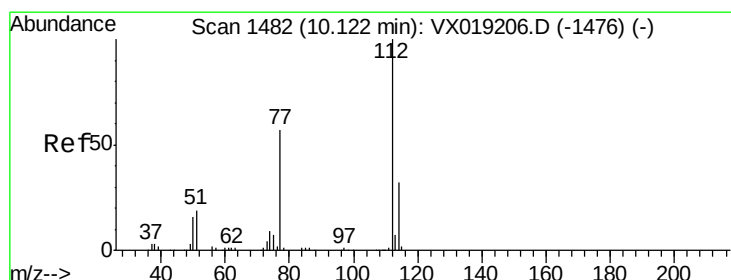
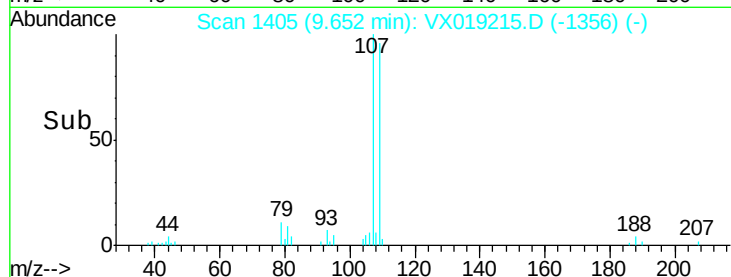
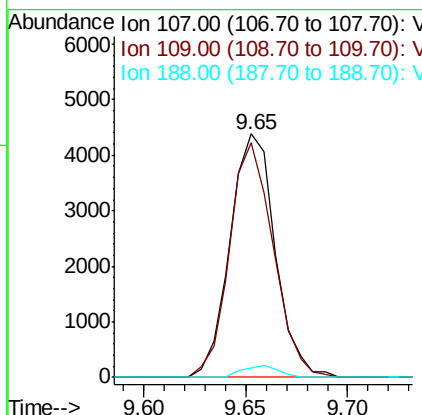
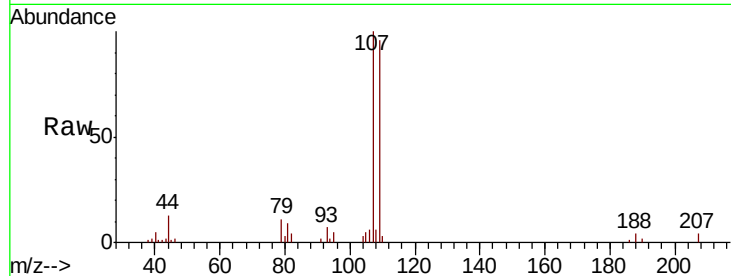
#50
1,2-Dibromoethane
Concen: 2.322 ug/L
RT: 9.65 min Scan# 1405
Delta R.T. -0.00 min
Lab File: VX019215.D
Acq: 02 Nov 2020 16:41

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-02

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.4	68.1	126.5
188	4.0	3.0	4.4

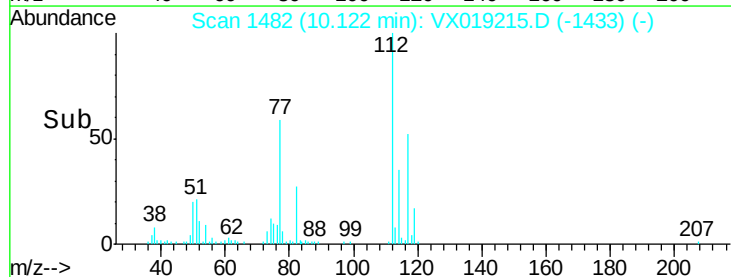
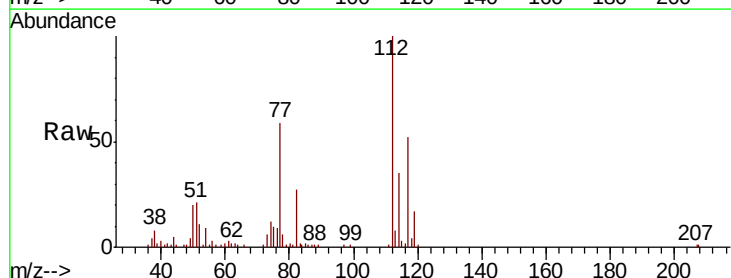
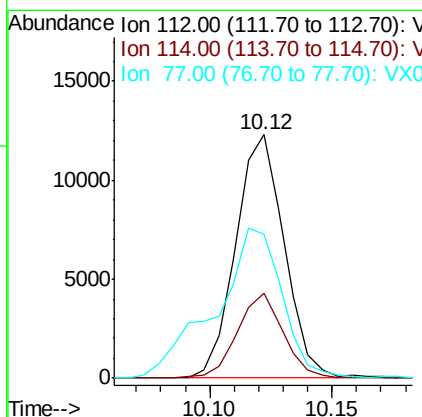
Manual Integrations
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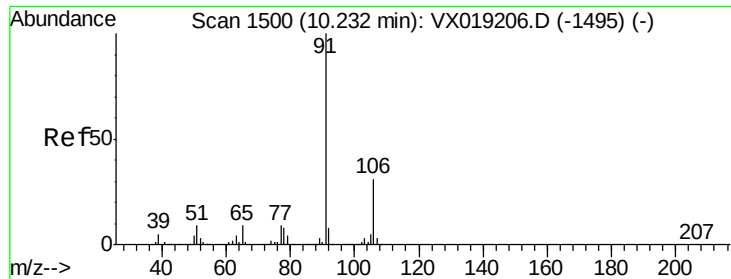
MMDadoda
11/4/2020 10:41:04 AM



#51
Chlorobenzene
Concen: 2.213 ug/L
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX019215.D
Acq: 02 Nov 2020 16:41

Tgt Ion	Ratio	Lower	Upper
112	100		
114	34.9	22.2	41.2
77	59.3	46.2	69.4





#52

Ethylbenzene

Concen: 2.127 ug/L

RT: 10.24 min Scan# 1501

Delta R.T. 0.01 min

Lab File: VX019215.D

Acq: 02 Nov 2020 16:41

Instrument :

MSVOA_X

ClientSampled :

MDL-WATER-02

Tot Ion: 91 Resp: 28308

Ion Ratio Lower Upper

91 100

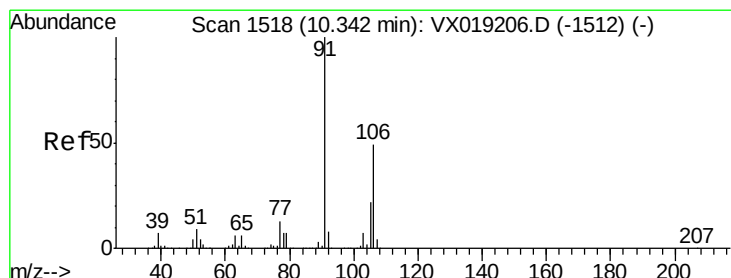
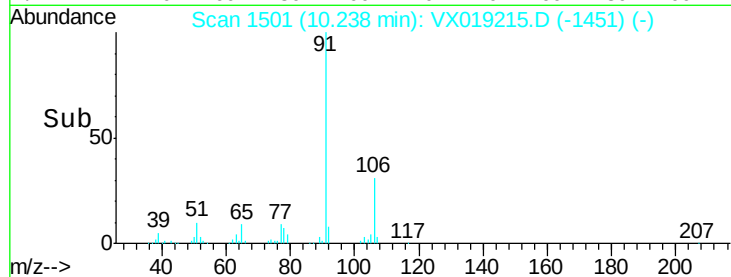
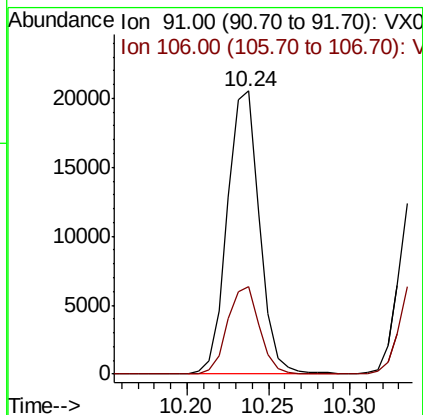
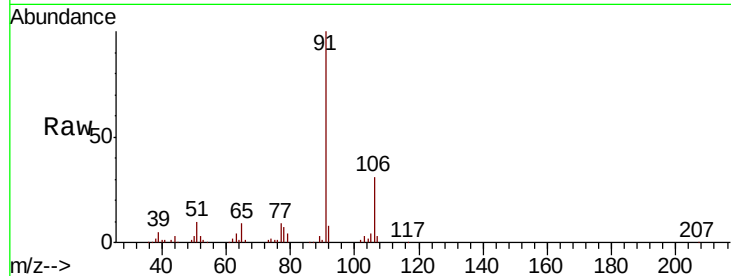
106 31.1 21.5 39.9

Manual Integrations

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MMDadoda

11/4/2020 10:41:04 AM



#53

m,p-Xylene

Concen: 2.089 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX019215.D

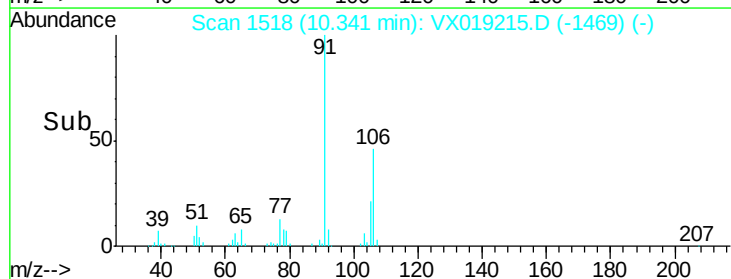
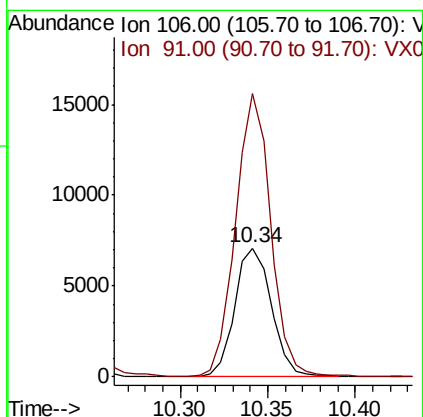
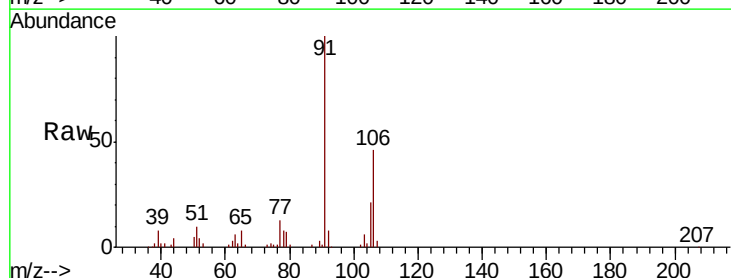
Acq: 02 Nov 2020 16:41

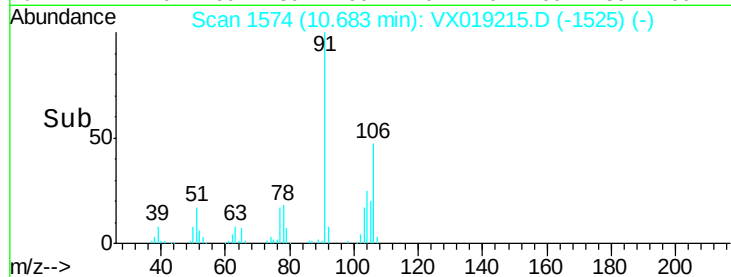
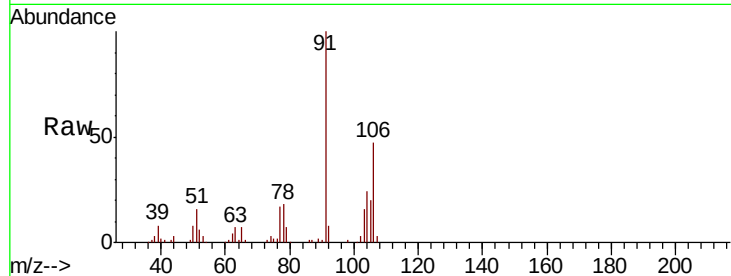
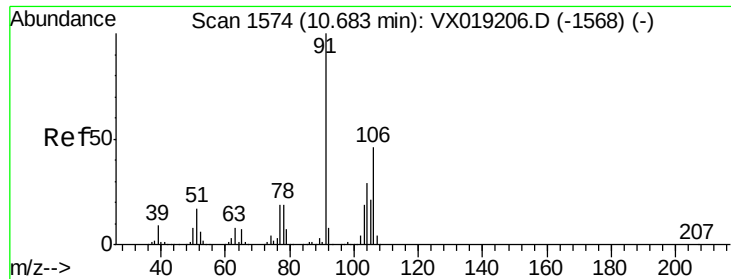
Tgt Ion: 106 Resp: 10445

Ion Ratio Lower Upper

106 100

91 219.4 144.2 267.8





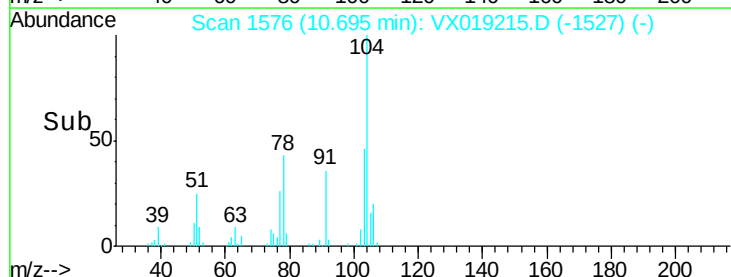
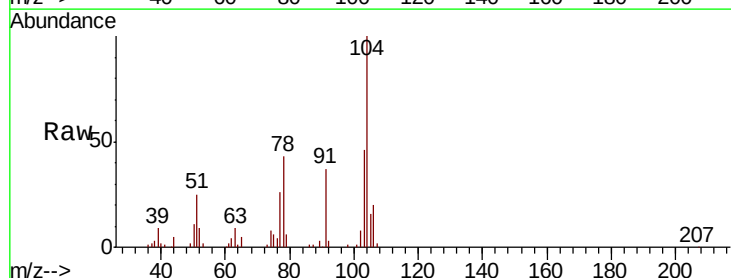
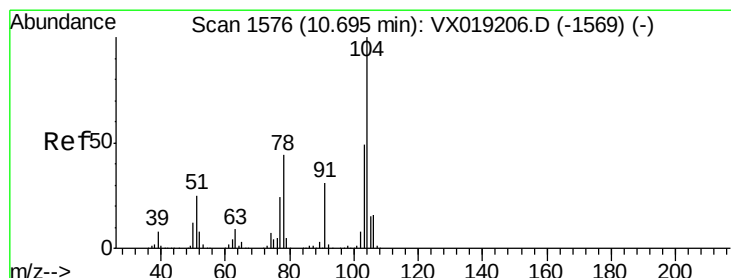
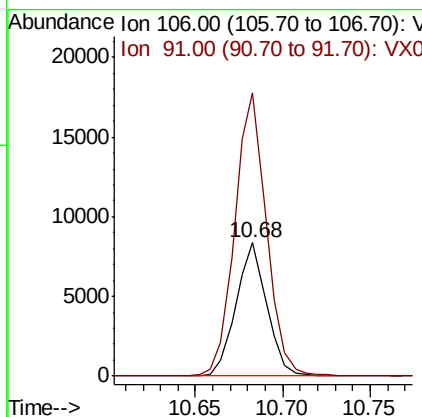
#54
o-Xylene
Concen: 2.122 ug/L
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX019215.D
Acq: 02 Nov 2020 16:41

Tot Ion:106 Resp: 10272
Ion Ratio Lower Upper
106 100
91 212.8 153.3 284.7

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-02

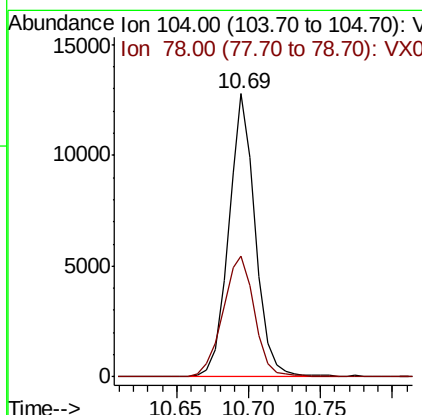
Manual Integrations
APPROVED

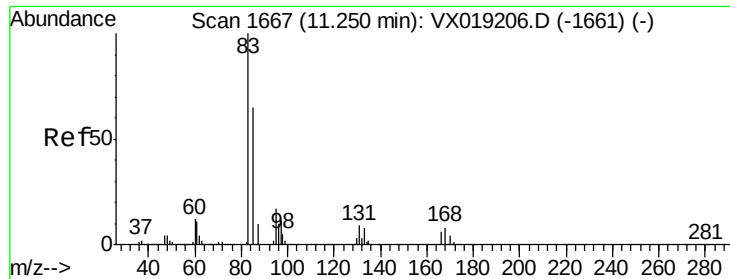
MMDadoda
11/4/2020 10:41:04 AM



#55
Styrene
Concen: 2.026 ug/L
RT: 10.69 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX019215.D
Acq: 02 Nov 2020 16:41

Tgt Ion:104 Resp: 16541
Ion Ratio Lower Upper
104 100
78 42.7 30.9 57.5





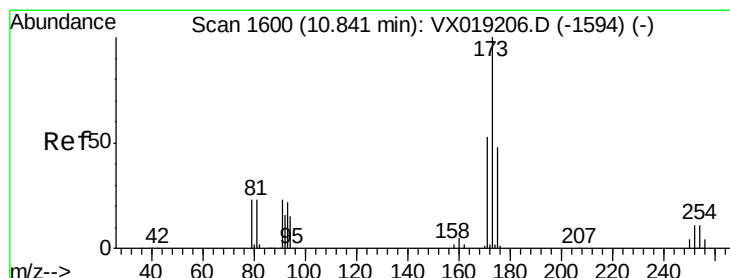
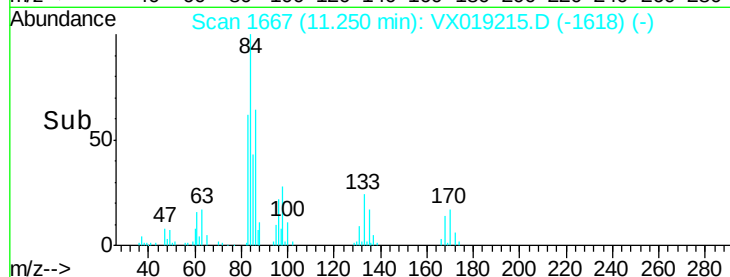
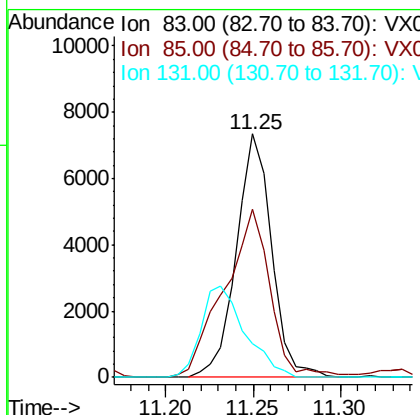
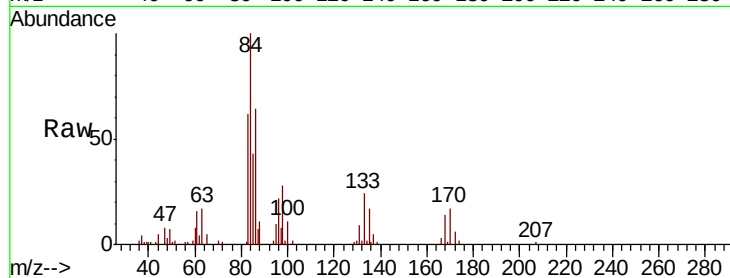
#57
 1,1,2,2-Tetrachloroethane
 Concen: 2.724 ug/L
 RT: 11.25 min Scan# 1667
 Delta R.T. -0.00 min
 Lab File: VX019215.D
 Acq: 02 Nov 2020 16:41

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-02

Tot Ion	Ratio	Lower	Upper
83	100		
85	68.9	45.9	85.3
131	13.8	7.7	11.5

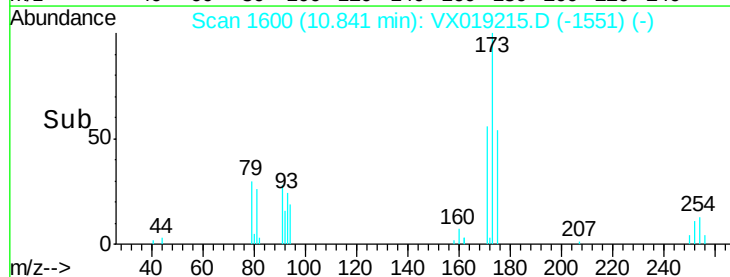
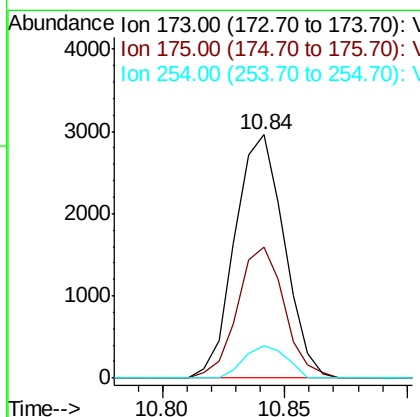
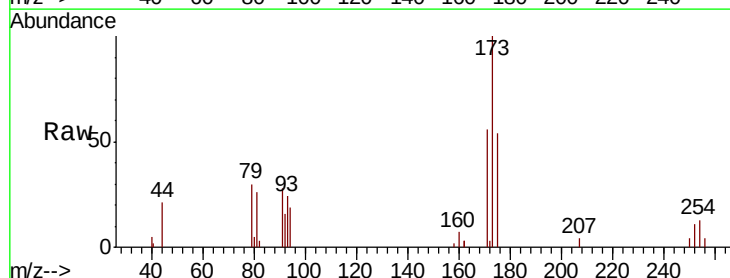
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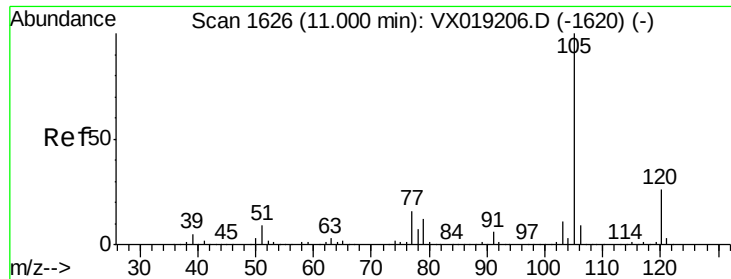
MMDadoda
 11/4/2020 10:41:04 AM



#59
 Bromoform
 Concen: 2.068 ug/L
 RT: 10.84 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VX019215.D
 Acq: 02 Nov 2020 16:41

Tgt Ion	Ratio	Lower	Upper
173	100		
175	51.2	39.7	59.5
254	11.5	8.2	12.4





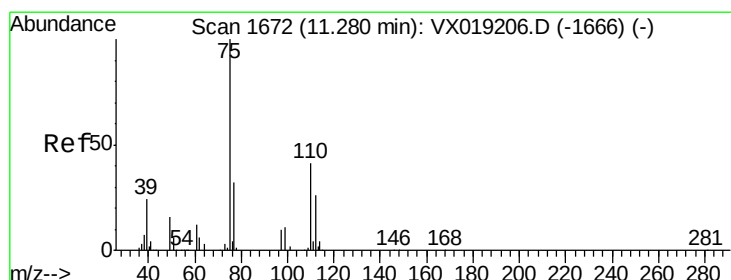
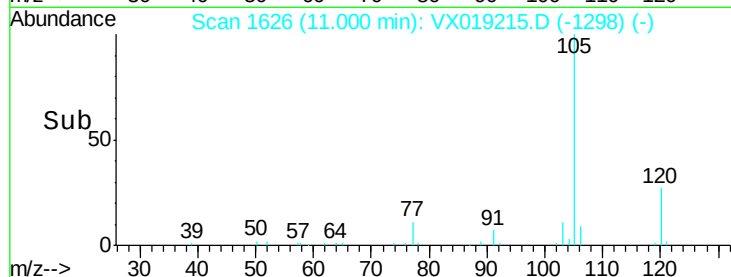
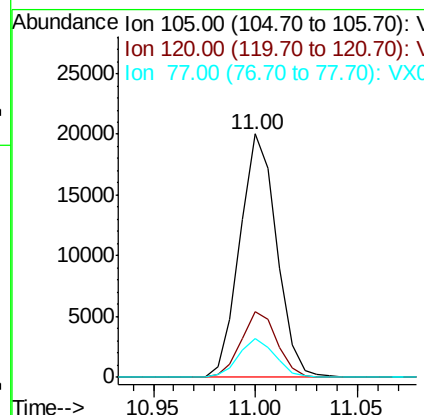
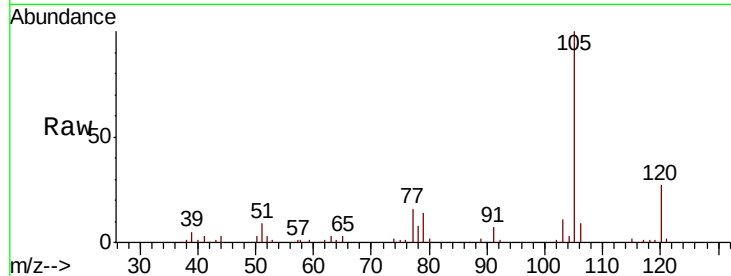
#60
Isopropylbenzene
Concen: 1.987 ug/L
RT: 11.00 min Scan# 1626
Delta R.T. -0.00 min
Lab File: VX019215.D
Acq: 02 Nov 2020 16:41

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-02

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.3	21.1	31.7
77	16.0	12.6	19.0

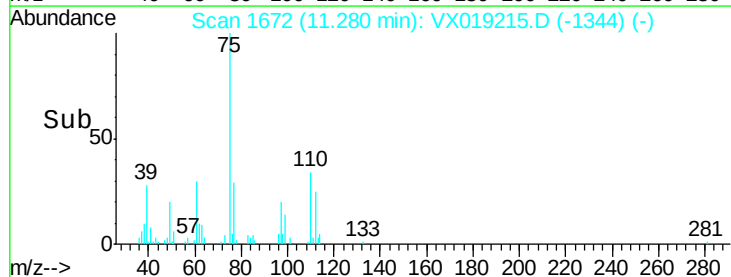
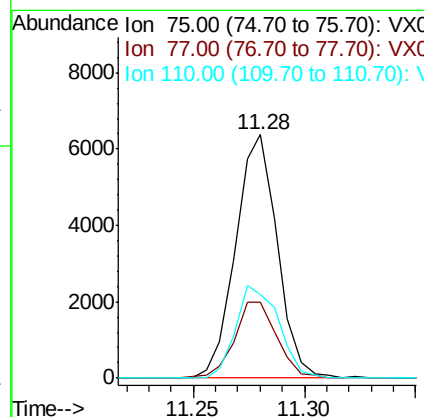
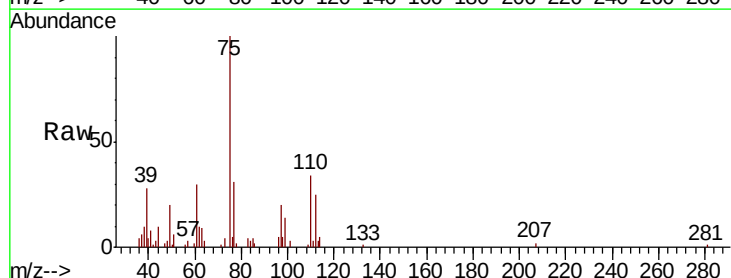
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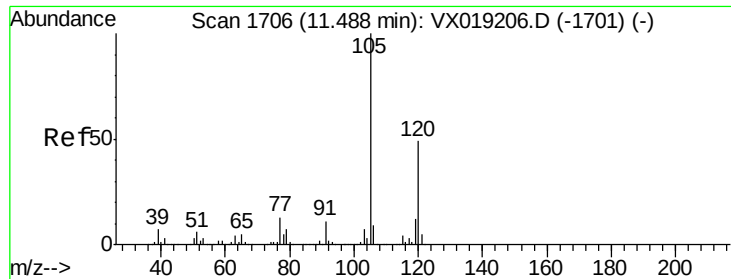
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#61
1,2,3-Trichloropropane
Concen: 2.619 ug/L
RT: 11.28 min Scan# 1672
Delta R.T. -0.00 min
Lab File: VX019215.D
Acq: 02 Nov 2020 16:41

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.4	38.0
110	39.2	32.2	48.2





#62

1,3,5-Trimethylbenzene

Concen: 1.959 ug/L

RT: 11.49 min Scan# 1706

Delta R.T. -0.00 min

Lab File: VX019215.D

Acq: 02 Nov 2020 16:41

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-02

Tot Ion:105 Resp: 20339

Ion Ratio Lower Upper

105 100

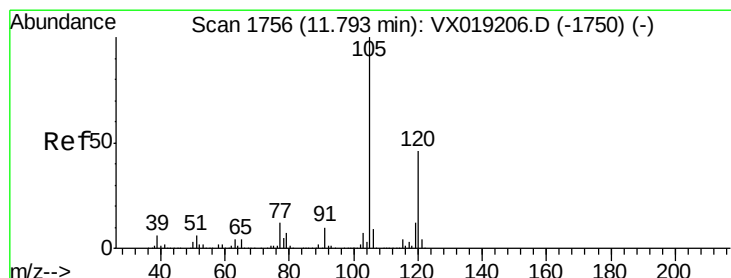
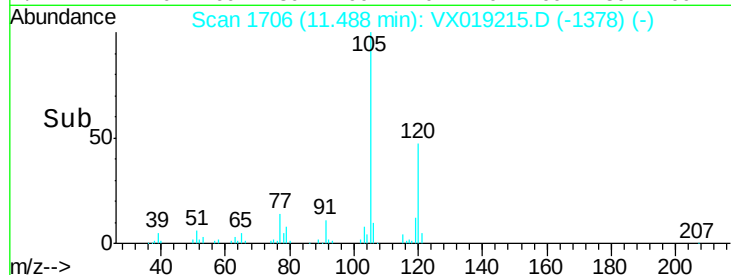
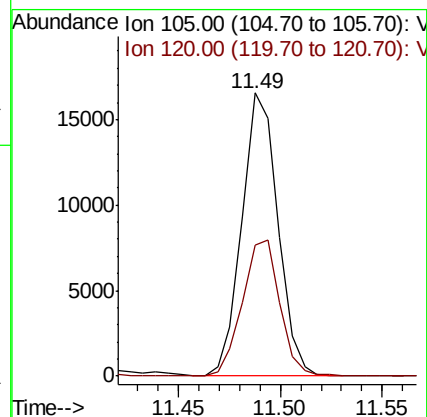
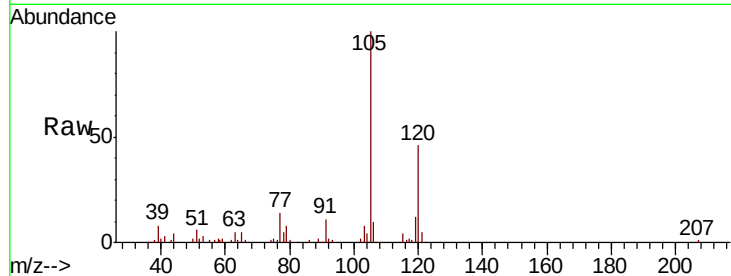
120 50.0 38.8 58.2

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#63

1,2,4-Trimethylbenzene

Concen: 2.124 ug/L

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX019215.D

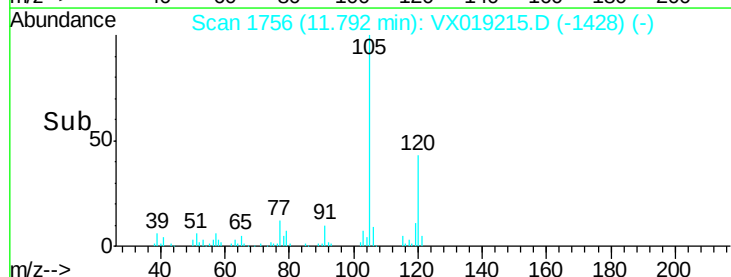
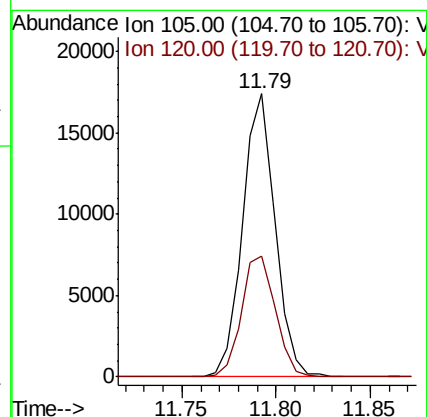
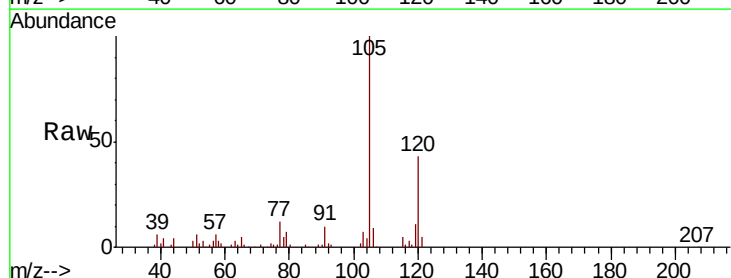
Acq: 02 Nov 2020 16:41

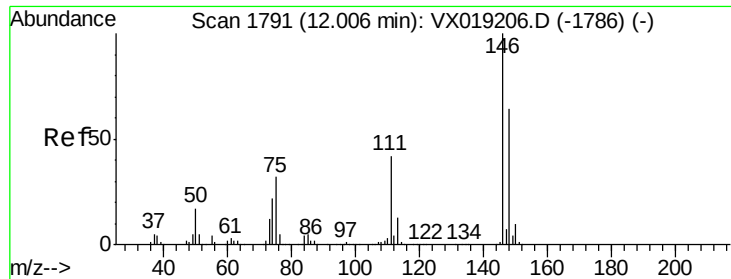
Tgt Ion:105 Resp: 20854

Ion Ratio Lower Upper

105 100

120 44.5 36.0 54.0





#64

1,3-Dichlorobenzene

Concen: 2.159 ug/L

RT: 12.01 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX019215.D

Acq: 02 Nov 2020 16:41

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-02

Tot Ion:146 Resp: 11763

Ion Ratio Lower Upper

146 100

111 38.5 29.7 55.1

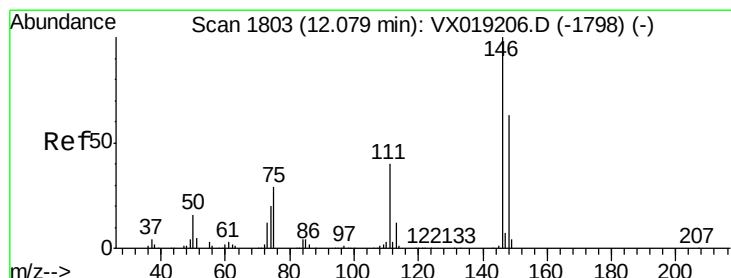
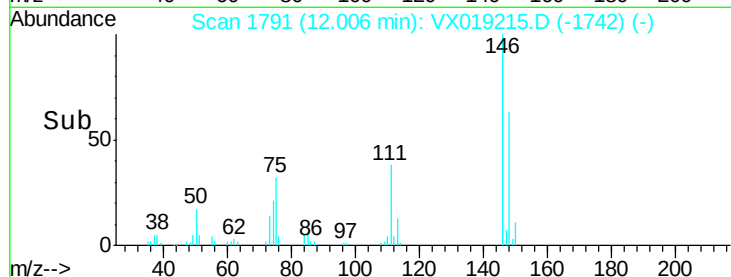
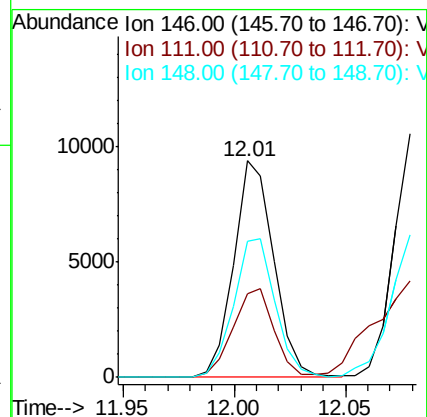
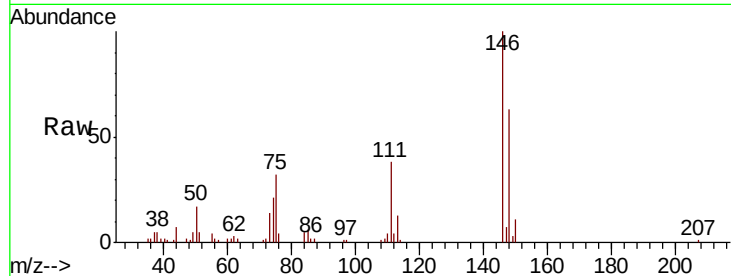
148 63.1 44.5 82.7

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#65

1,4-Dichlorobenzene

Concen: 2.308 ug/L

RT: 12.08 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VX019215.D

Acq: 02 Nov 2020 16:41

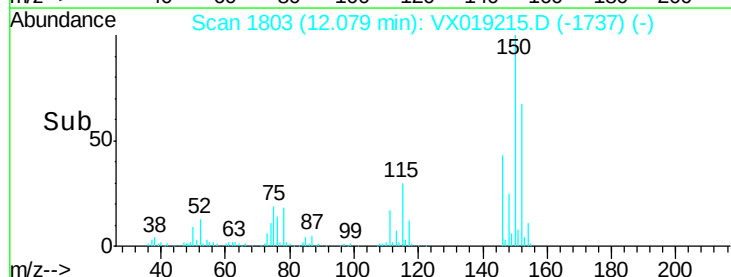
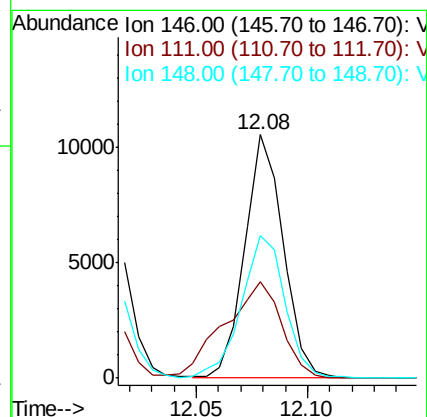
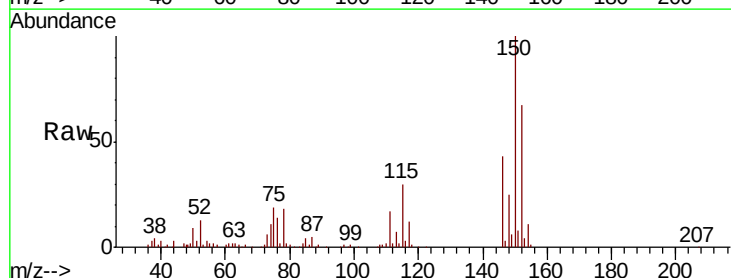
Tgt Ion:146 Resp: 12756

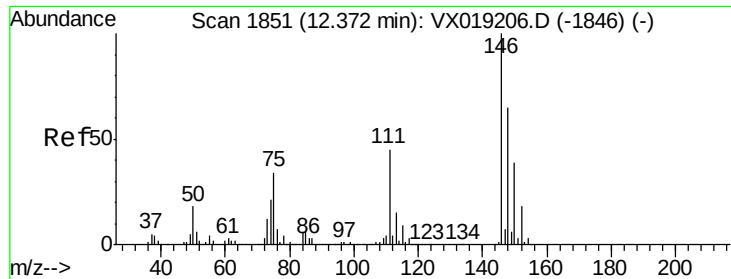
Ion Ratio Lower Upper

146 100

111 39.7 28.1 52.3

148 58.3 43.8 81.4





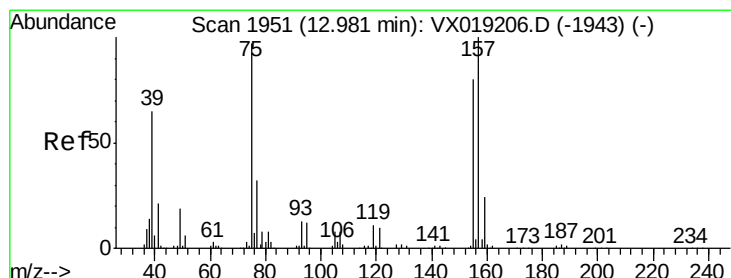
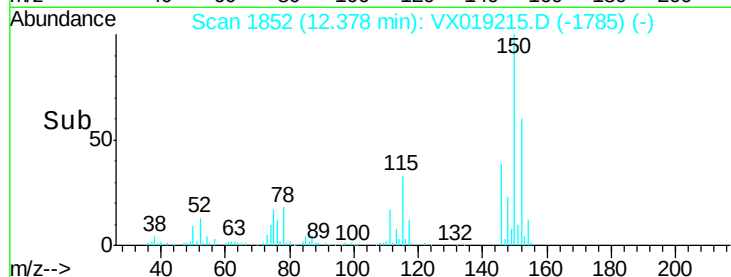
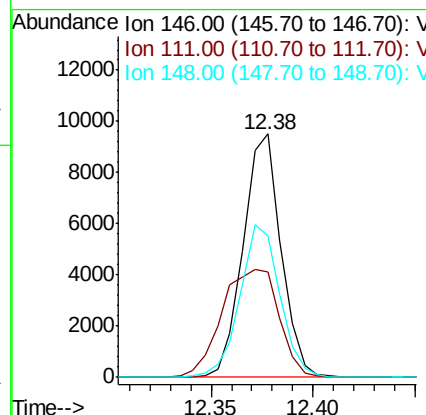
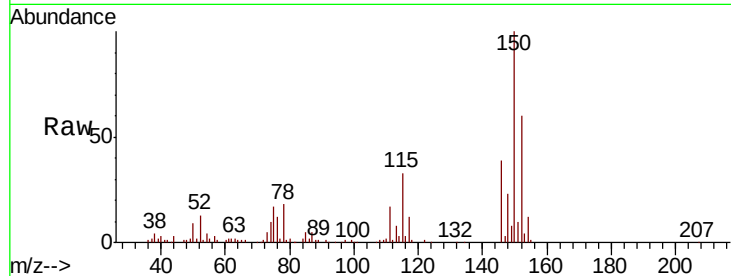
#67
 1,2-Dichlorobenzene
 Concen: 2.326 ug/L
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.01 min
 Lab File: VX019215.D
 Acq: 02 Nov 2020 16:41

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-02

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	35.9	53.9
148	57.9	52.2	78.4

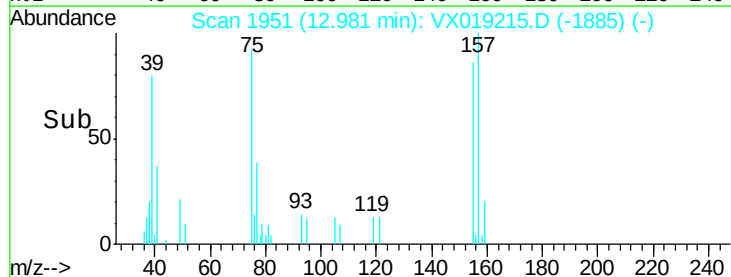
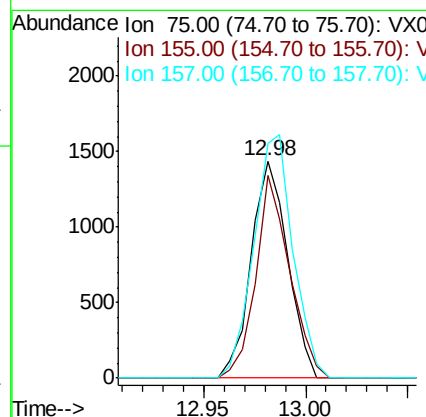
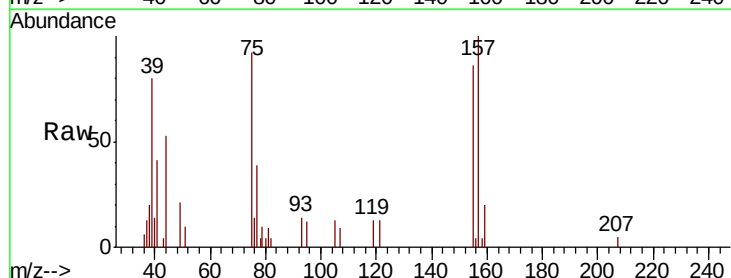
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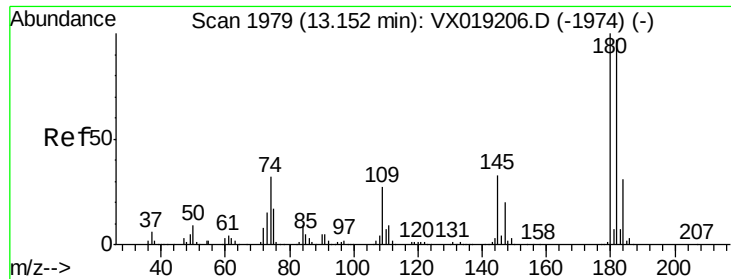
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#68
 1,2-Dibromo-3-chloropropane
 Concen: 2.073 ug/L
 RT: 12.98 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VX019215.D
 Acq: 02 Nov 2020 16:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.5	65.8	98.8
157	108.1	82.6	123.8





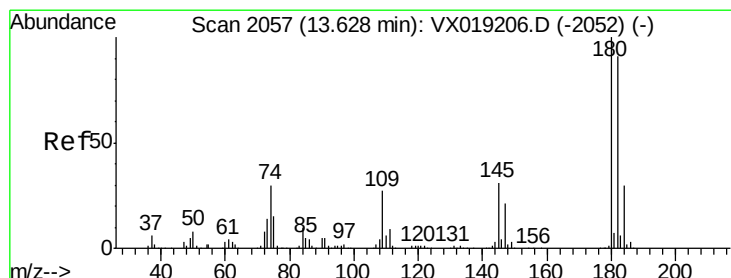
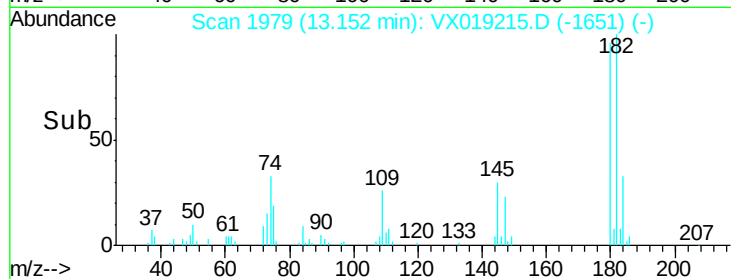
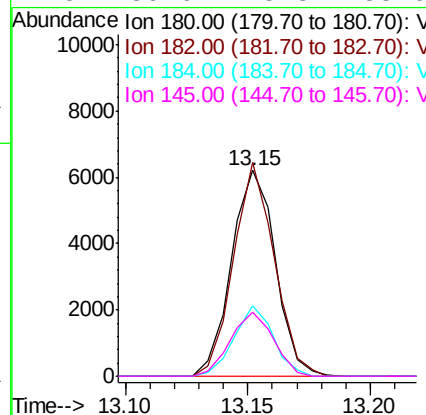
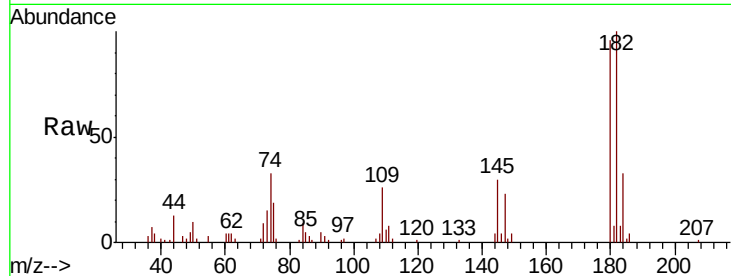
#69
 1,3,5-Trichlorobenzene
 Concen: 2.026 ug/L
 RT: 13.15 min Scan# 1979
 Delta R.T. -0.00 min
 Lab File: VX019215.D
 Acq: 02 Nov 2020 16:41

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-02

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	78.8	118.2
184	30.8	25.2	37.8
145	30.6	25.8	38.6

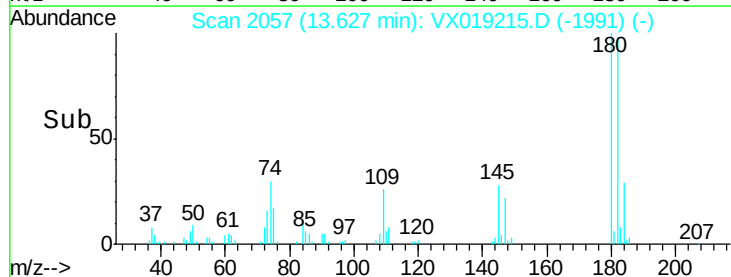
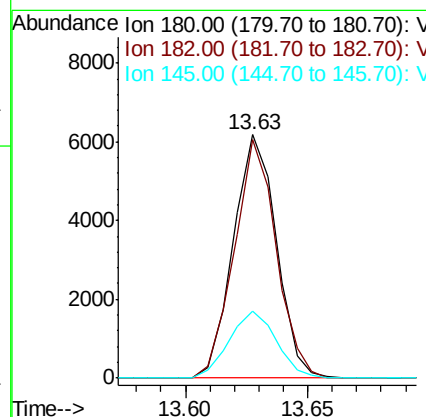
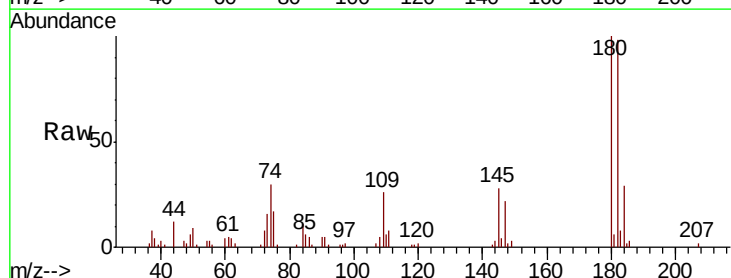
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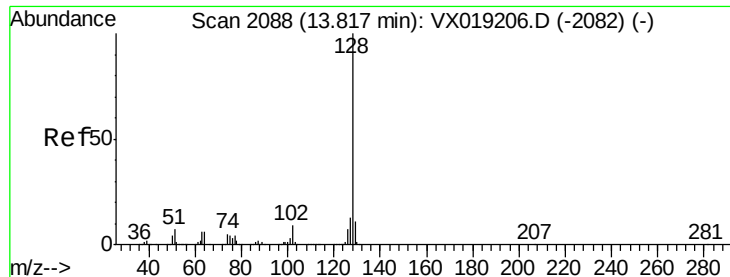
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#70
 1,2,4-trichlorobenzene
 Concen: 2.154 ug/L
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX019215.D
 Acq: 02 Nov 2020 16:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	74.6	111.8
145	30.0	25.4	38.0





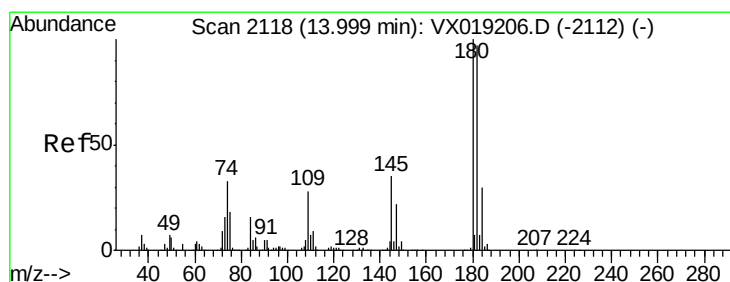
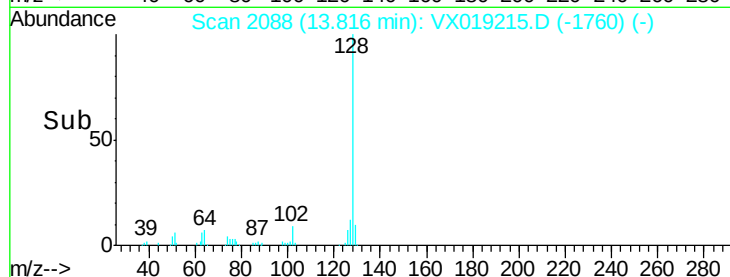
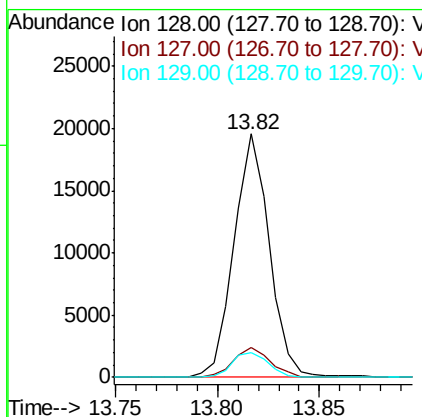
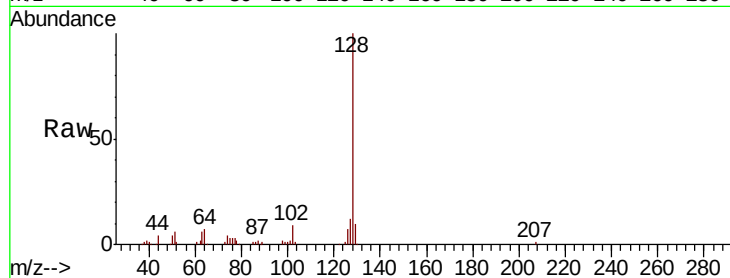
#71
Naphthalene
Concen: 2.064 ug/L
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX019215.D
Acq: 02 Nov 2020 16:41

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-02

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.1	15.1
129	10.6	8.5	12.7

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#72
1,2,3-Trichlorobenzene
Concen: 2.119 ug/L
RT: 14.01 min Scan# 2119
Delta R.T. 0.01 min
Lab File: VX019215.D
Acq: 02 Nov 2020 16:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.0	75.3	112.9
145	33.4	27.1	40.7

