

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX090220\
 Data File : VX018214.D
 Acq On : 02 Sep 2020 14:42
 Operator : JC/SP
 Sample : MDL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL02

Manual Integrations
 APPROVED

MMDadoda
 9/3/2020 9:53:51 AM

Quant Time: Sep 03 05:14:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXML090220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 03 04:54:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.84	114	695838	50.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	660630	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	12.06	152	304947	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	264033	47.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.04%
7) Chloroethane-d5	1.70	69	203343	48.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.28%
11) 1,1-Dichloroethene-d2	2.34	63	409599	37.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.92%
21) 2-Butanone-d5	4.53	46	371729	95.63	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.63%
24) Chloroform-d	5.15	84	512337	50.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.16%
26) 1,2-Dichloroethane-d4	6.03	65	364919	47.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.50%
32) Benzene-d6	6.05	84	984651	50.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.34%
36) 1,2-Dichloropropane-d6	7.37	67	316892	51.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.72%
41) Toluene-d8	8.70	98	917272	48.18	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.36%
43) trans-1,3-Dichloropropene-	8.99	79	163171	47.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.82%
47) 2-Hexanone-d5	9.43	63	273384	100.00	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.00%
57) 1,1,2,2-Tetrachloroethane-	11.23	84	397621	47.80	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.60%
64) 1,2-Dichlorobenzene-d4	12.36	152	346185	52.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.52%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	10037	1.696 ug/L	92
3) Chloromethane	1.31	50	9852m	1.817 ug/L	
5) Vinyl chloride	1.39	62	10695m	1.984 ug/L	
6) Bromomethane	1.64	94	7376	2.392 ug/L	95
9) Trichlorofluoromethane	1.92	101	15272	1.707 ug/L	93
10) 1,1,2-Trichloro-1,2,2-trif	2.37	101	11909m	2.448 ug/L	
12) 1,1-Dichloroethene	2.36	96	11939m	2.608 ug/L	
13) Acetone	2.43	43	9176	4.142 ug/L	92
14) Carbon disulfide	2.55	76	28190	1.944 ug/L	98
15) Methyl Acetate	2.75	43	10145m	1.863 ug/L	
16) Methylene chloride	2.84	84	12070	2.326 ug/L	90
17) trans-1,2-Dichloroethene	3.15	96	9203	1.875 ug/L	97
18) Methyl tert-butyl Ether	3.17	73	25556	1.667 ug/L	95
19) 1,1-Dichloroethane	3.67	63	17500	1.902 ug/L	92
20) cis-1,2-Dichloroethene	4.57	96	10315m	1.966 ug/L	
22) 2-Butanone	4.65	43	13164m	3.623 ug/L	
23) Bromochloromethane	4.98	128	5514m	1.877 ug/L	

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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	5.18	83	37555	3.568	ug/L	98
27) 1,2-Dichloroethane	6.17	62	14550	1.825	ug/L	98
29) Cyclohexane	5.55	56	12900	1.774	ug/L #	77
30) 1,1,1-Trichloroethane	5.46	97	17132	1.888	ug/L	97
31) Carbon tetrachloride	5.76	117	15316	1.854	ug/L	98
33) Benzene	6.11	78	36050	1.886	ug/L	100
34) Trichloroethene	7.19	95	9760	1.819	ug/L	91
35) Methylcyclohexane	7.45	83	11552	1.549	ug/L	92
37) 1,2-Dichloropropane	7.49	63	9400	1.857	ug/L	98
38) Bromodichloromethane	7.88	83	13663	1.895	ug/L	98
39) cis-1,3-Dichloropropene	8.42	75	14652	1.856	ug/L	98
40) 4-Methyl-2-pentanone	8.62	43	22602	3.293	ug/L	99
42) Toluene	8.77	91	37488	1.827	ug/L	100
44) trans-1,3-Dichloropropene	9.02	75	13920	1.676	ug/L	98
45) 1,1,2-Trichloroethane	9.20	97	9913	1.951	ug/L	98
46) Tetrachloroethene	9.32	164	7722	1.806	ug/L	86
48) 2-Hexanone	9.47	43	18159	3.273	ug/L #	94
49) Dibromochloromethane	9.57	129	11034	1.772	ug/L	94
50) 1,2-Dibromoethane	9.65	107	11341m	2.108	ug/L	
51) Chlorobenzene	10.12	112	24061	1.722	ug/L	97
52) Ethylbenzene	10.23	91	36871	1.612	ug/L	99
53) m,p-Xylene	10.34	106	13746	1.573	ug/L	97
54) o-xylene	10.68	106	13151	1.577	ug/L	83
55) Styrene	10.70	104	20727	1.439	ug/L	94
56) Isopropylbenzene	11.01	105	31329	1.404	ug/L	97
58) 1,1,1,2,2-Tetrachloroethane	11.25	83	14833	1.988	ug/L #	90
59) 1,2,3-Trichloropropane	11.28	75	10841	1.676	ug/L	100
61) Bromoform	10.84	173	7926	1.833	ug/L	99
62) 1,3-Dichlorobenzene	12.01	146	18191	1.816	ug/L	94
63) 1,4-Dichlorobenzene	12.08	146	18286	1.793	ug/L	93
65) 1,2-Dichlorobenzene	12.38	146	18618	1.930	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.98	75	3104	1.720	ug/L #	82
67) 1,3,5-Trichlorobenzene	13.15	180	11551	1.767	ug/L	99
68) 1,2,4-trichlorobenzene	13.63	180	9818	1.628	ug/L	88
69) Naphthalene	13.82	128	26508	1.390	ug/L #	93
70) 1,2,3-Trichlorobenzene	14.01	180	9752	1.617	ug/L	94

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

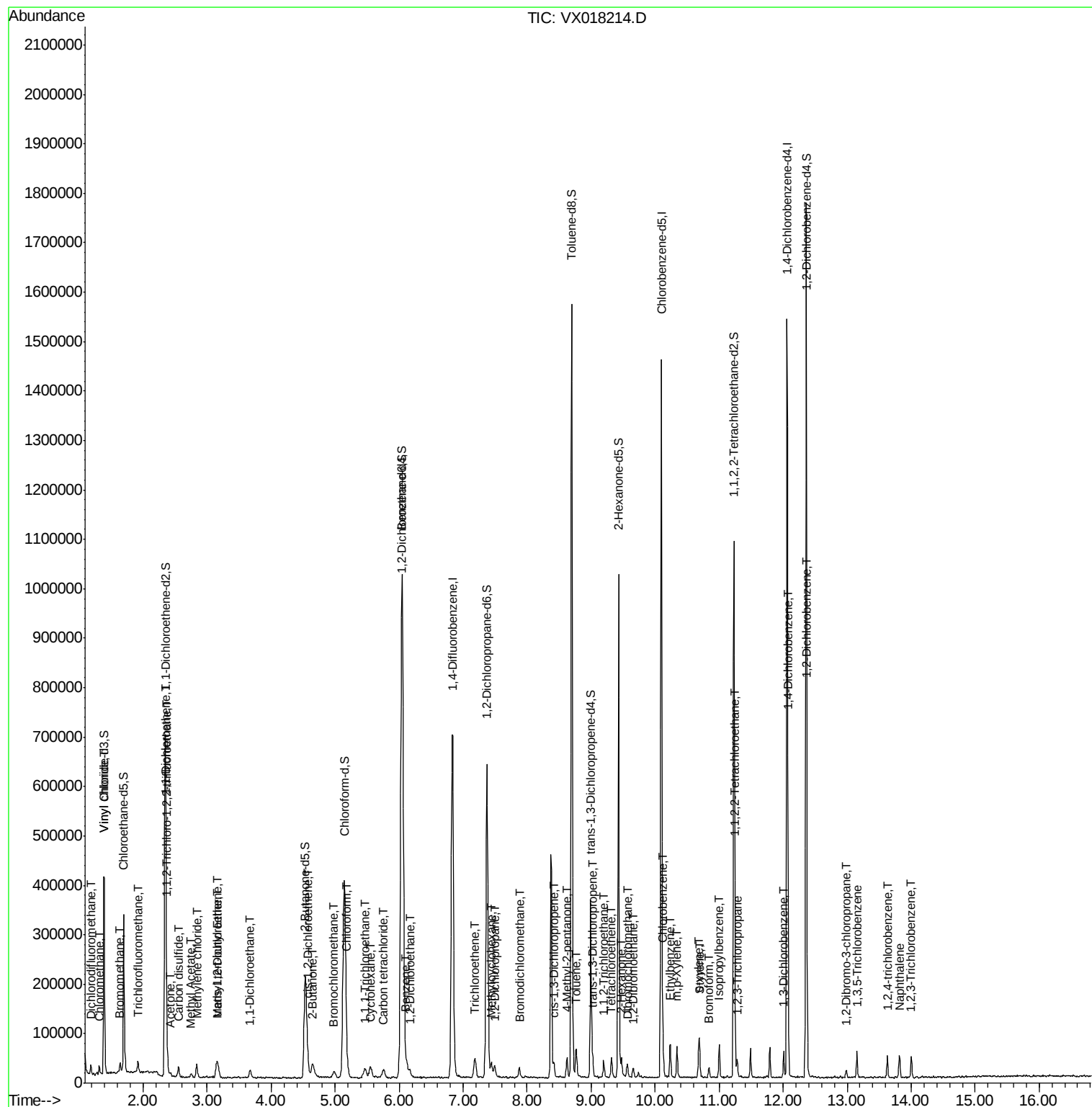
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX090220\
Data File : VX018214.D
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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 12 Sample Multiplier: 1

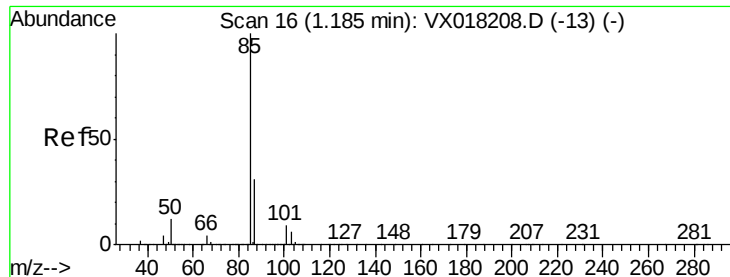
Instrument :
MSVOA_X
ClientSampleId :
MDL02

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Quant Time: Sep 03 05:14:42 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\SOMXLM090220WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Sep 03 04:54:32 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 1.696 ug/L

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX018214.D

Acq: 02 Sep 2020 14:42

Instrument :

MSVOA_X

ClientSampleId :

MDL02

Tot Ion: 85 Resp: 10037

Ion Ratio Lower Upper

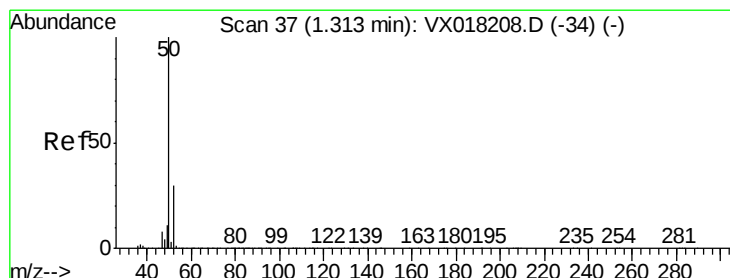
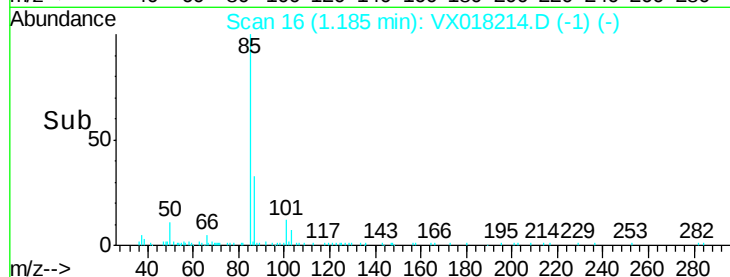
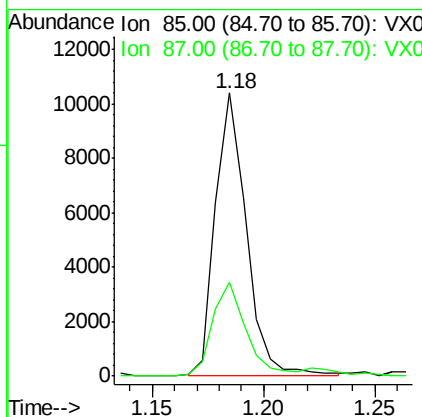
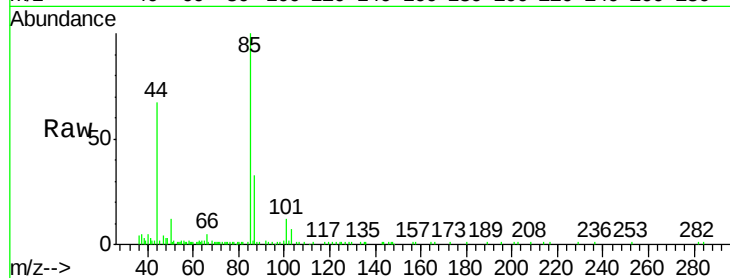
85 100

87 36.1 25.2 37.8

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#3

Chloromethane

Concen: 1.817 ug/L m

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX018214.D

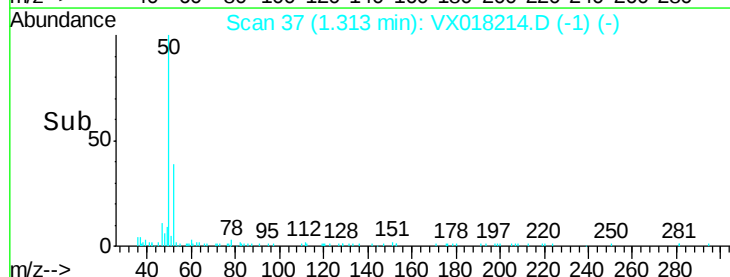
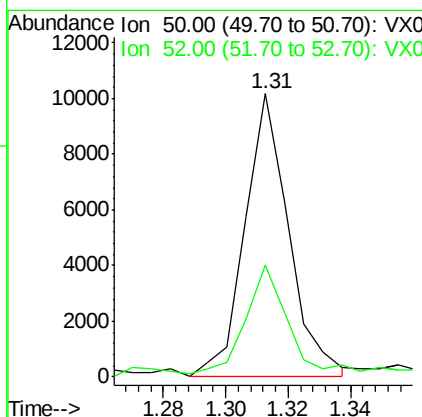
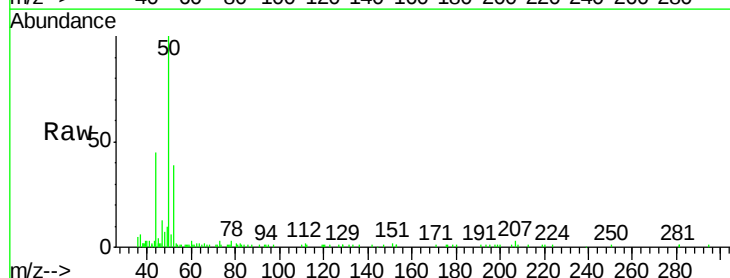
Acq: 02 Sep 2020 14:42

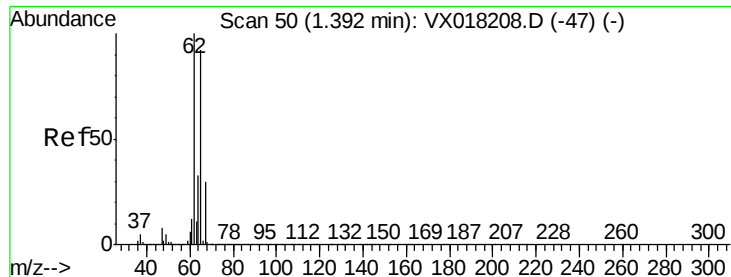
Tgt Ion: 50 Resp: 9852

Ion Ratio Lower Upper

50 100

52 39.4 21.0 39.0#





#5

Vinyl chloride

Concen: 1.984 ug/L m

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX018214.D

Acq: 02 Sep 2020 14:42

Instrument :

MSVOA_X

ClientSampleId :

MDL02

Tot Ion: 62 Resp: 10695

Ion Ratio Lower Upper

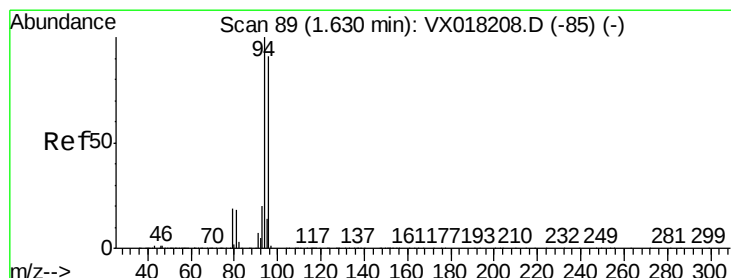
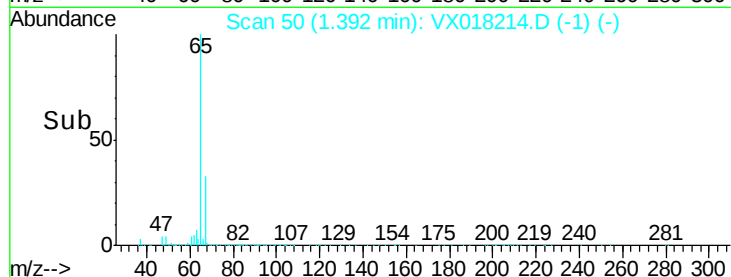
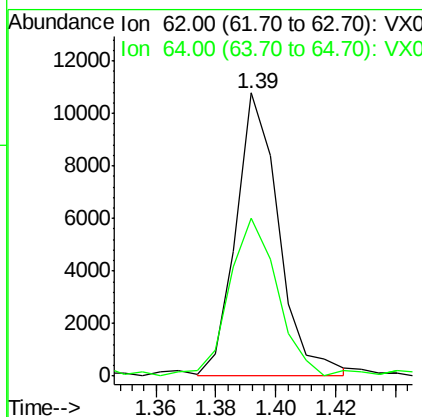
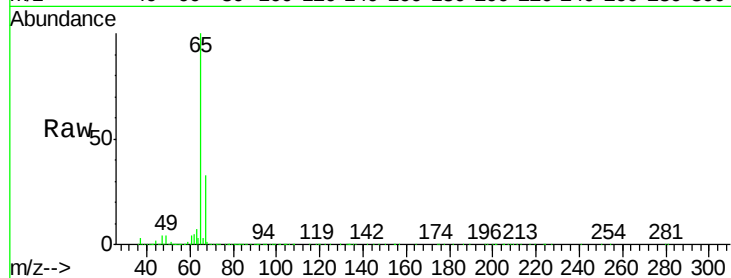
62 100

64 55.8 23.2 43.2#

Manual Integrations
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#6

Bromomethane

Concen: 2.392 ug/L

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX018214.D

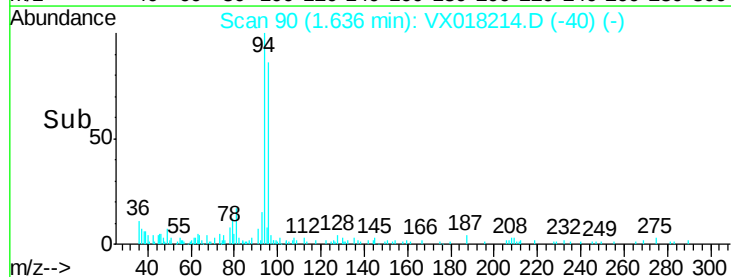
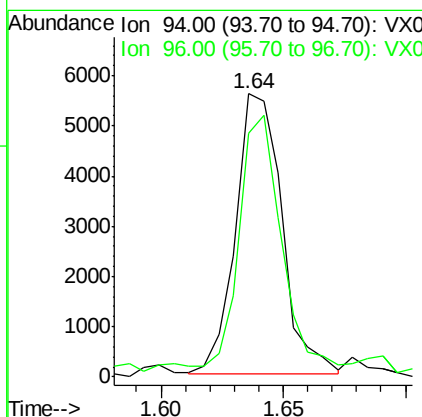
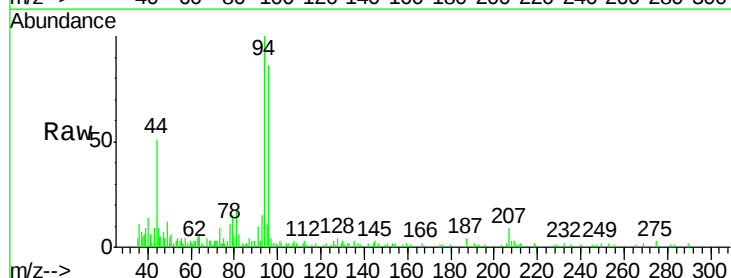
Acq: 02 Sep 2020 14:42

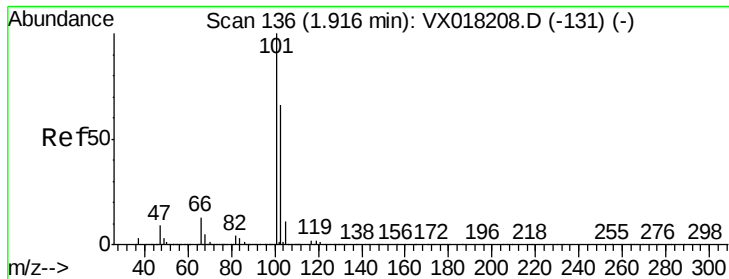
Tgt Ion: 94 Resp: 7376

Ion Ratio Lower Upper

94 100

96 86.3 63.9 118.7





#9

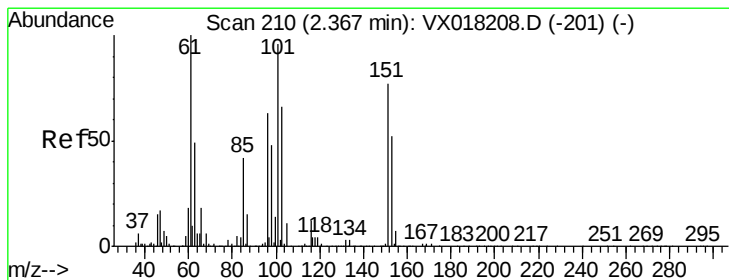
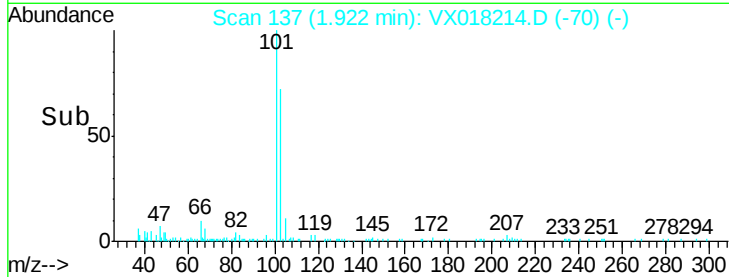
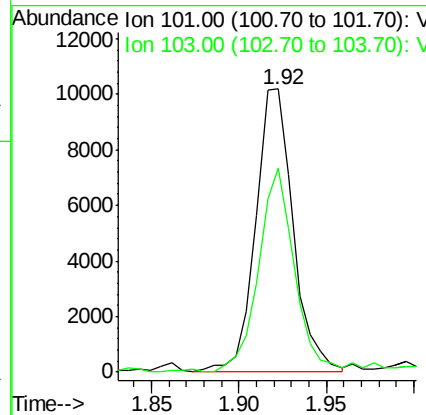
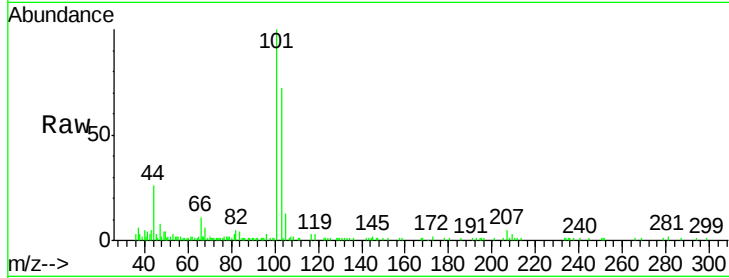
Trichlorofluoromethane
Concen: 1.707 ug/L
RT: 1.92 min Scan# 137
Delta R.T. 0.01 min
Lab File: VX018214.D
Acq: 02 Sep 2020 14:42

Instrument :
MSVOA_X
ClientSampleId :
MDL02

Tot Ion	Ratio	Resp	Lower	Upper
101	100	15272		
103	69.6	51.4	77.2	

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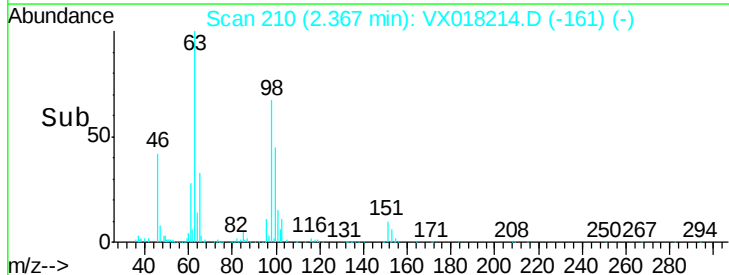
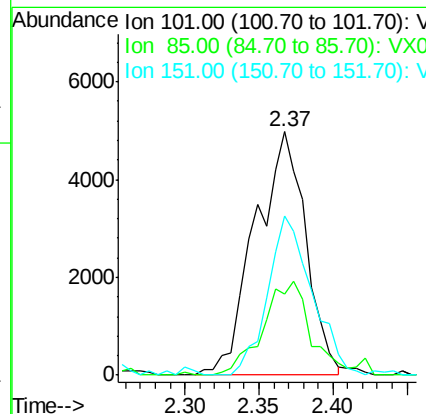
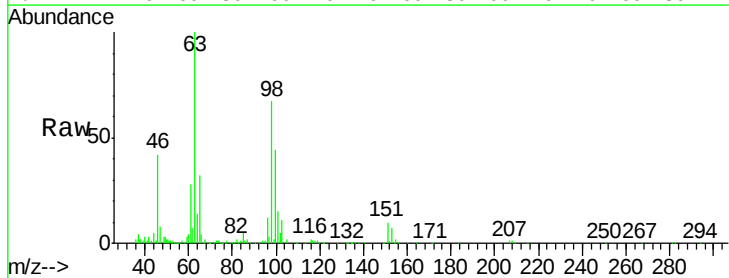
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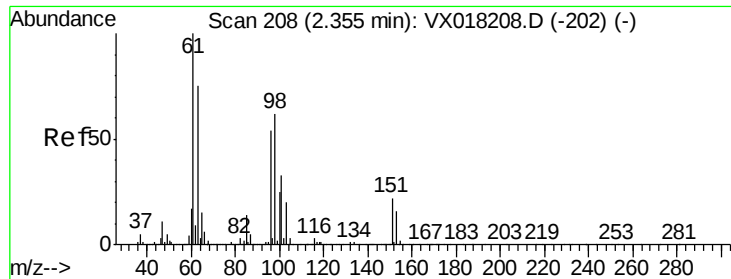


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.448 ug/L m
RT: 2.37 min Scan# 210
Delta R.T. 0.00 min
Lab File: VX018214.D
Acq: 02 Sep 2020 14:42

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	11909		
85	36.1	35.8	53.6	
151	57.1	61.6	92.4	





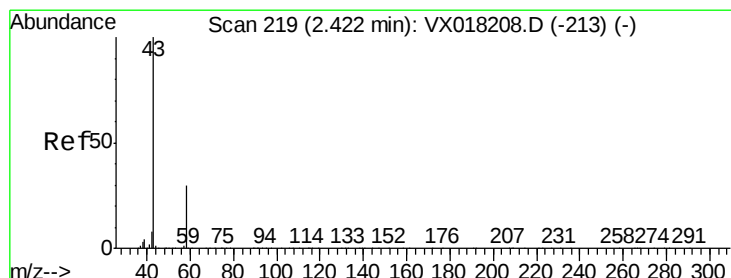
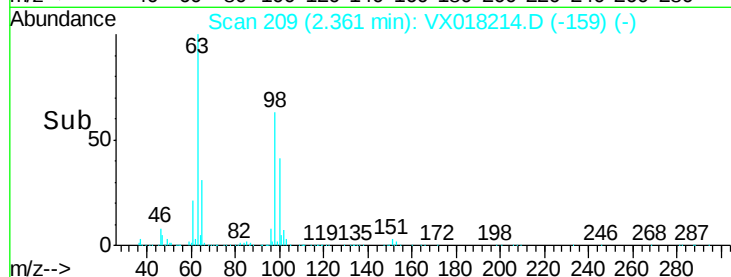
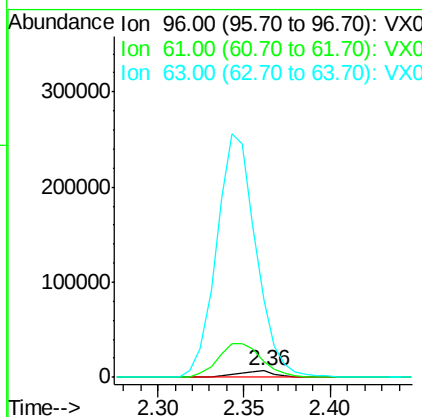
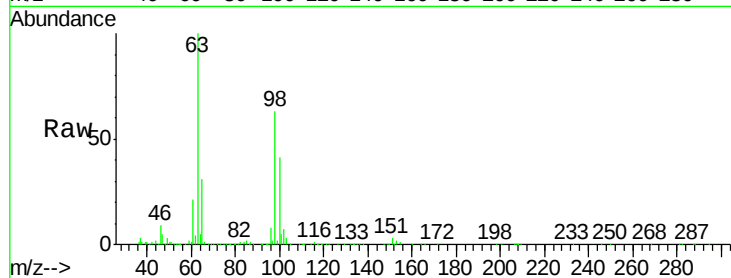
#12
 1,1-Dichloroethene
 Concen: 2.608 ug/L m
 RT: 2.36 min Scan# 209
 Delta R.T. 0.01 min
 Lab File: VX018214.D
 Acq: 02 Sep 2020 14:42

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL02

Tot Ion: 96 Resp: 11939
 Ion Ratio Lower Upper
 96 100
 61 261.5 130.5 242.5#
 63 1243.0 103.0 191.2

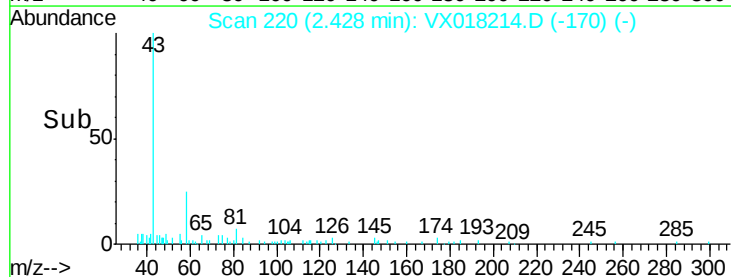
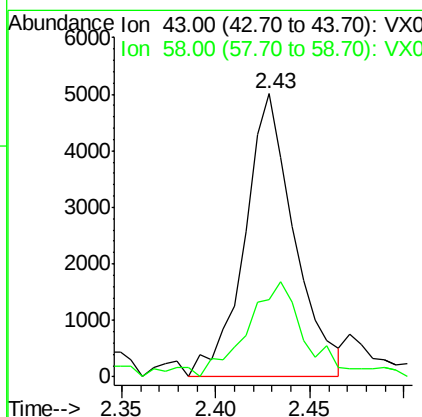
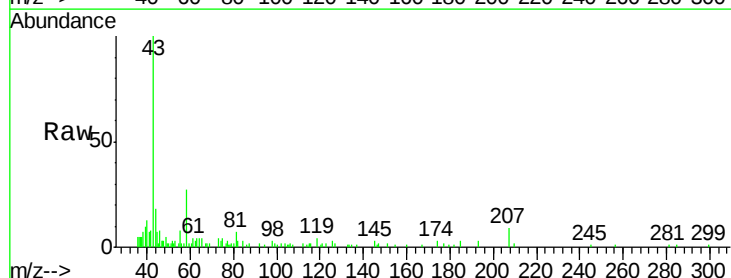
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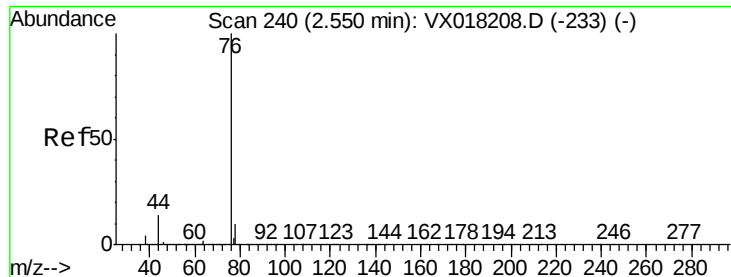
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#13
 Acetone
 Concen: 4.142 ug/L
 RT: 2.43 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VX018214.D
 Acq: 02 Sep 2020 14:42

Tgt Ion: 43 Resp: 9176
 Ion Ratio Lower Upper
 43 100
 58 34.1 0.0 59.2





#14

Carbon disulfide

Concen: 1.944 ug/L

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX018214.D

Acq: 02 Sep 2020 14:42

Instrument :

MSVOA_X

ClientSampleId :

MDL02

Tot Ion: 76 Resp: 28190

Ion Ratio Lower Upper

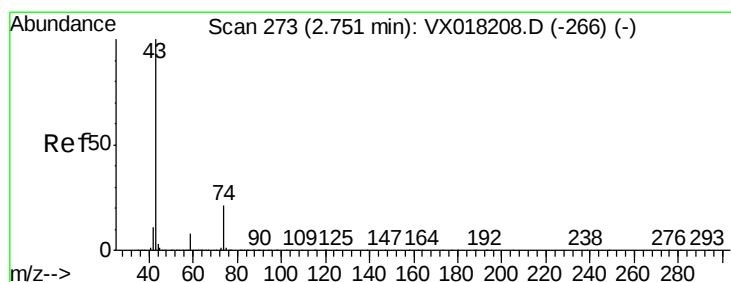
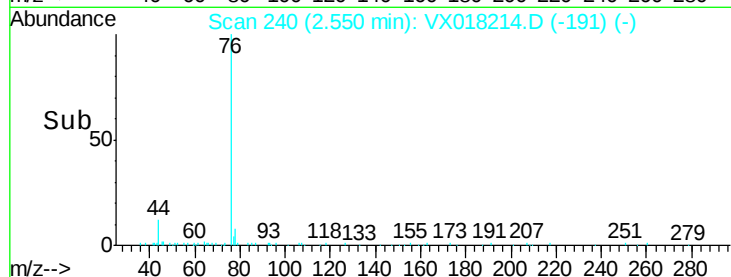
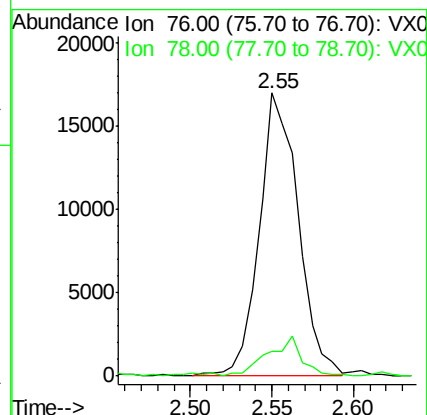
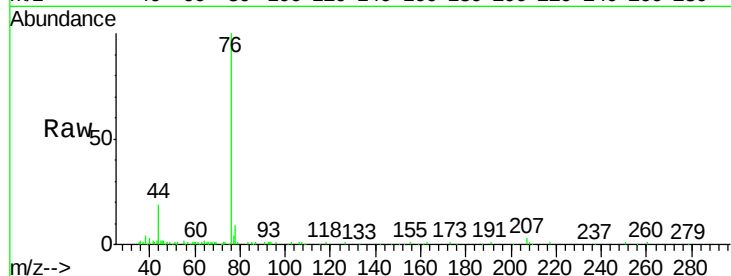
76 100

78 8.8 7.7 11.5

Manual Integrations
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#15

Methyl Acetate

Concen: 1.863 ug/L m

RT: 2.75 min Scan# 273

Delta R.T. 0.00 min

Lab File: VX018214.D

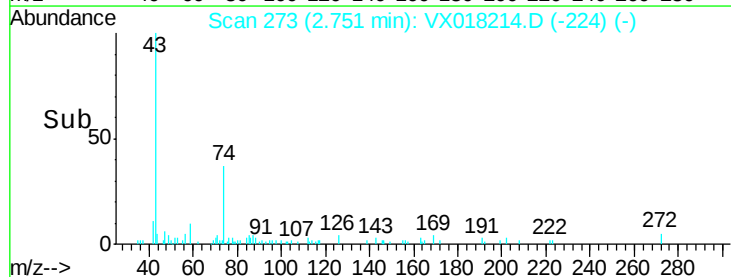
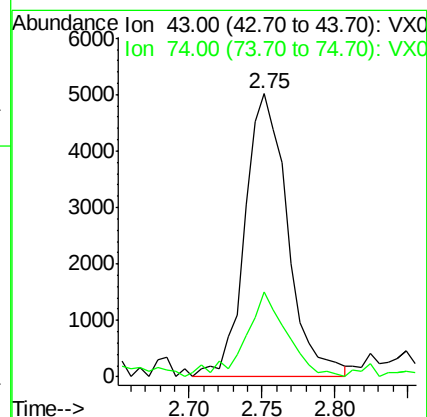
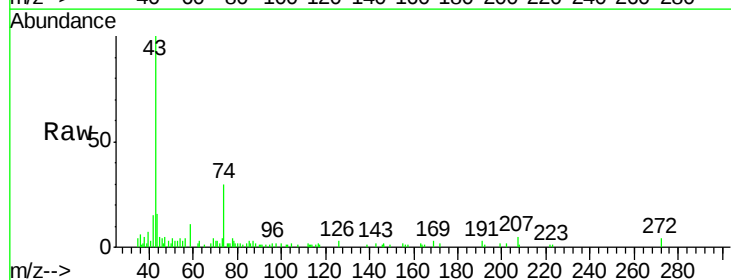
Acq: 02 Sep 2020 14:42

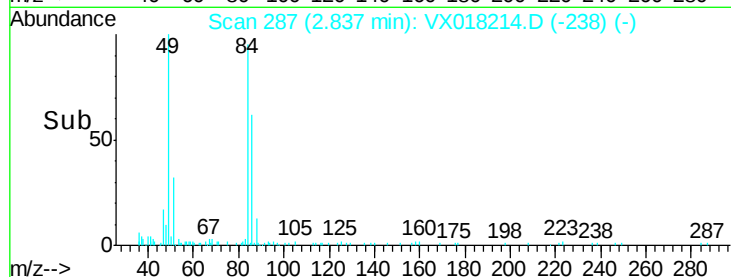
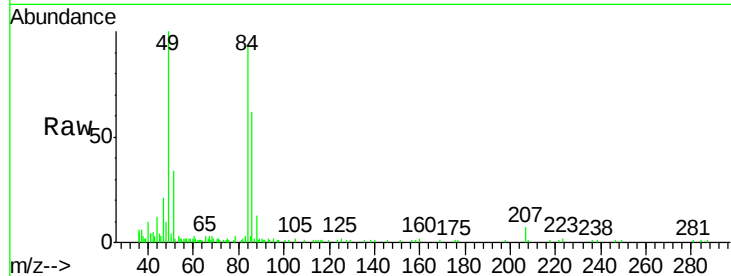
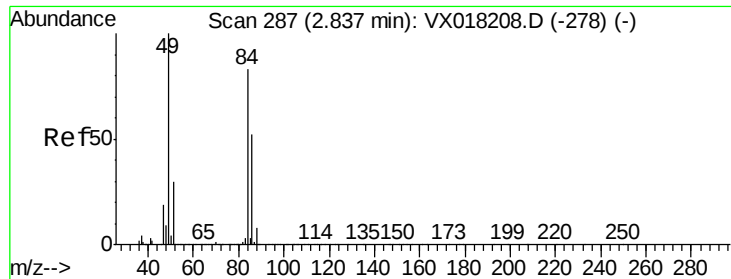
Tgt Ion: 43 Resp: 10145

Ion Ratio Lower Upper

43 100

74 0.6 17.8 26.8#





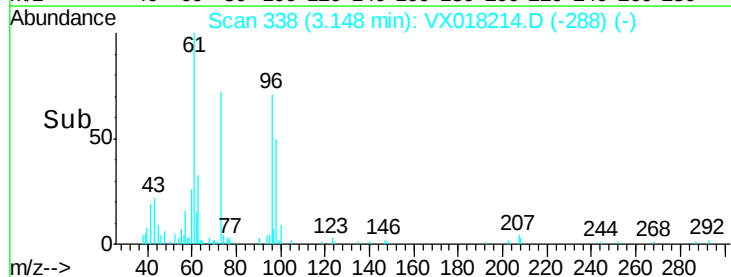
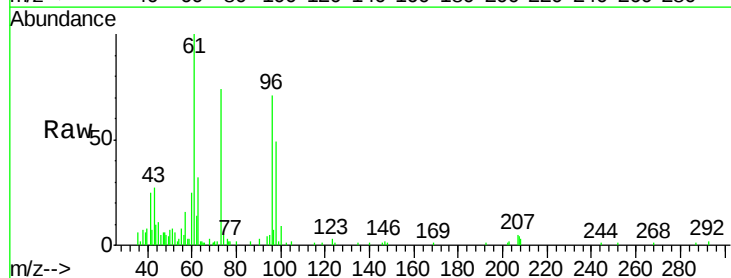
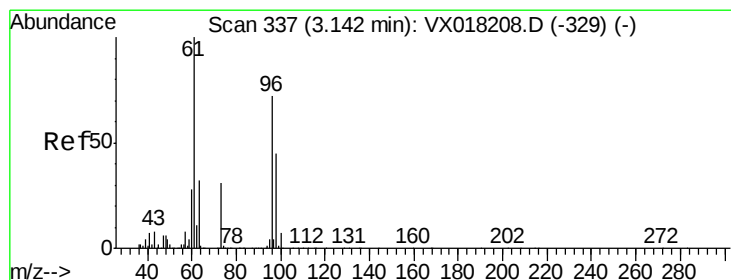
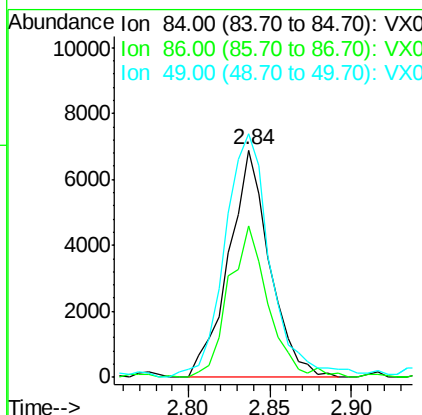
#16
Methylene chloride
Concen: 2.326 ug/L
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX018214.D
Acq: 02 Sep 2020 14:42

Tot Ion:	84	Resp:	12070
Ion	Ratio	Lower	Upper
84	100		
86	66.8	43.6	81.0
49	107.2	84.5	156.9

Instrument :
MSVOA_X
ClientSampleId :
MDL02

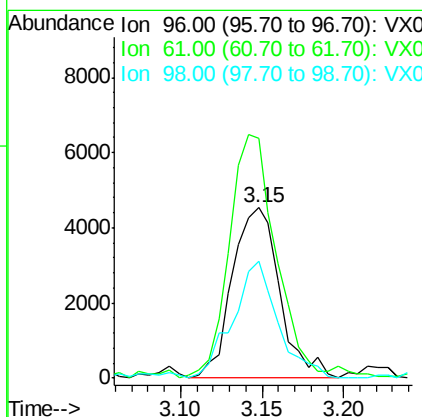
Manual Integrations
APPROVED

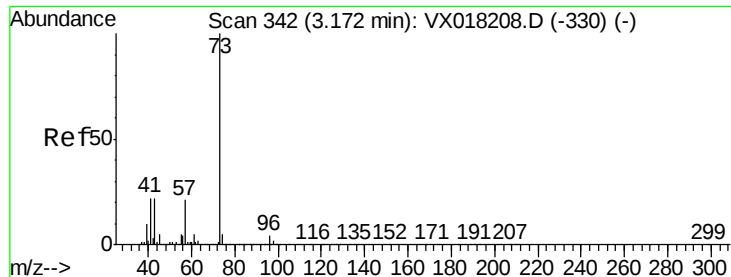
MMDadoda
9/3/2020 9:53:51 AM



#17
trans-1,2-Dichloroethene
Concen: 1.875 ug/L
RT: 3.15 min Scan# 338
Delta R.T. 0.01 min
Lab File: VX018214.D
Acq: 02 Sep 2020 14:42

Tgt Ion:	96	Resp:	9203
Ion	Ratio	Lower	Upper
96	100		
61	140.4	97.1	180.3
98	68.3	43.9	81.5





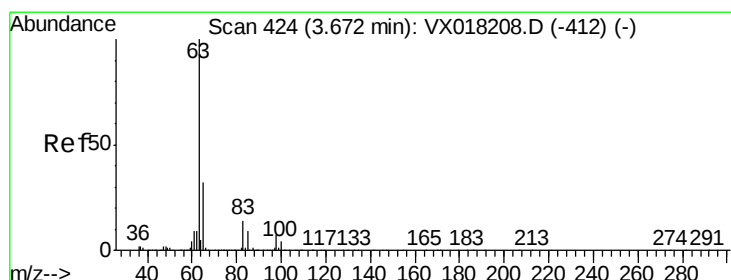
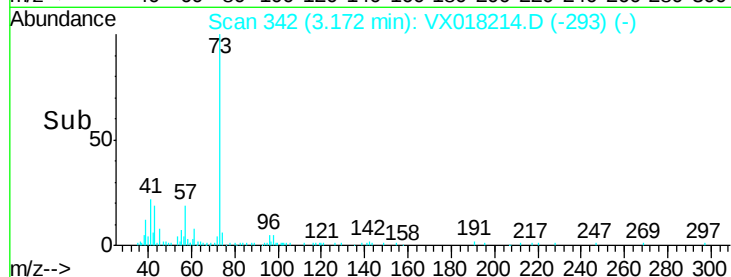
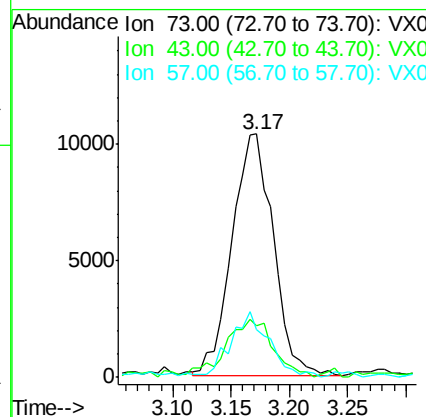
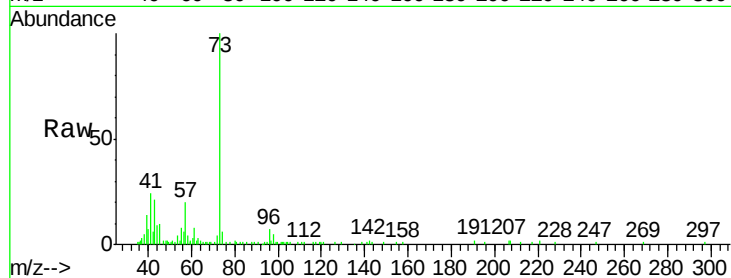
#18
Methvl tert-butvl Ether
Concen: 1.667 ug/L
RT: 3.17 min Scan# 342
Delta R.T. 0.00 min
Lab File: VX018214.D
Acq: 02 Sep 2020 14:42

Instrument :
MSVOA_X
ClientSampleId :
MDL02

Tot Ion:	73	Resp:	25556
Ion	Ratio	Lower	Upper
73	100		
43	25.1	17.4	26.2
57	23.1	17.1	25.7

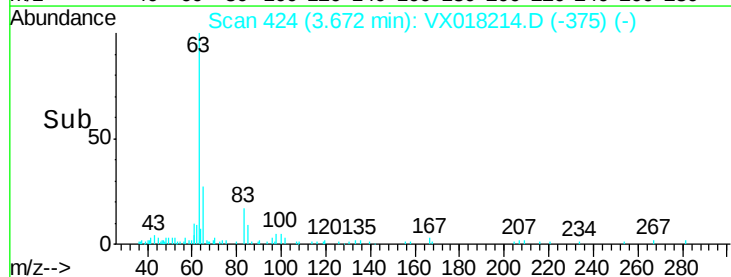
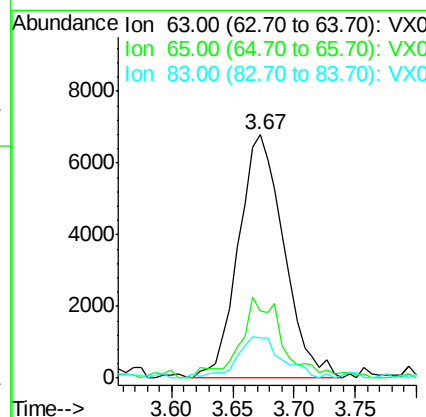
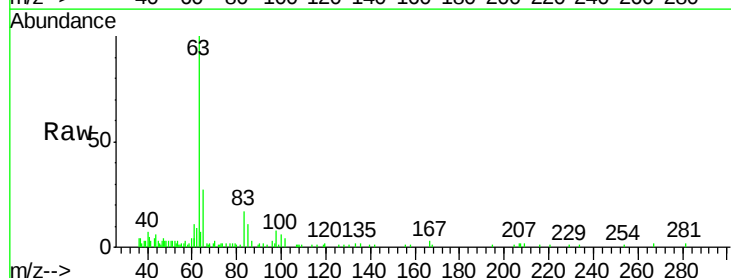
Manual Integrations
APPROVED

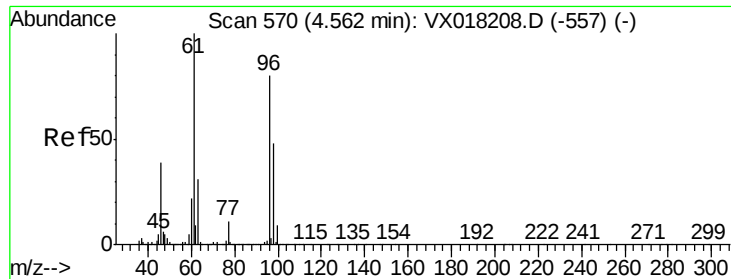
MMDadoda
9/3/2020 9:53:51 AM



#19
1,1-Dichloroethane
Concen: 1.902 ug/L
RT: 3.67 min Scan# 424
Delta R.T. 0.00 min
Lab File: VX018214.D
Acq: 02 Sep 2020 14:42

Tgt Ion:	63	Resp:	17500
Ion	Ratio	Lower	Upper
63	100		
65	27.4	22.7	42.3
83	16.6	9.7	18.1





#20

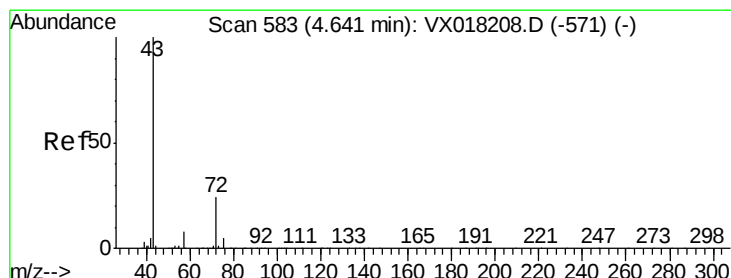
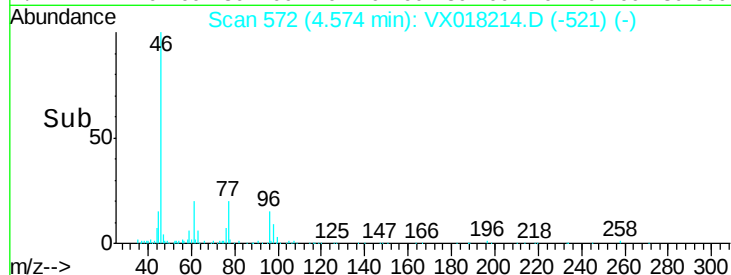
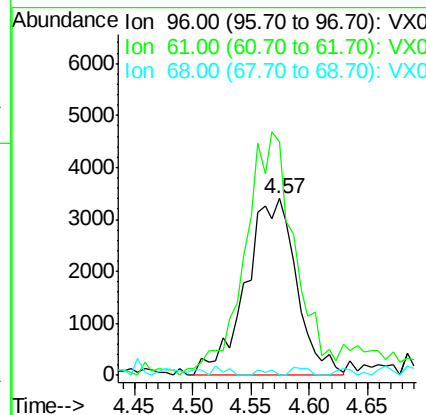
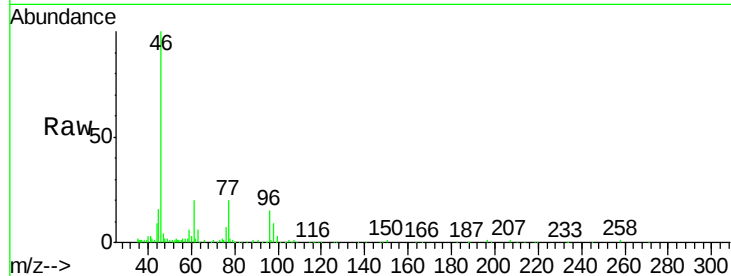
cis-1,2-Dichloroethene
Concen: 1.966 ug/L m
RT: 4.57 min Scan# 572
Delta R.T. 0.01 min
Lab File: VX018214.D
Acq: 02 Sep 2020 14:42

Instrument :
MSVOA_X
ClientSampleId :
MDL02

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.0	88.0	163.4
68	0.0	0.1	0.1#

Manual Integrations
APPROVED

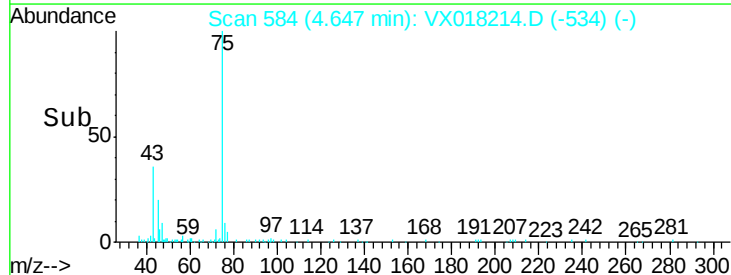
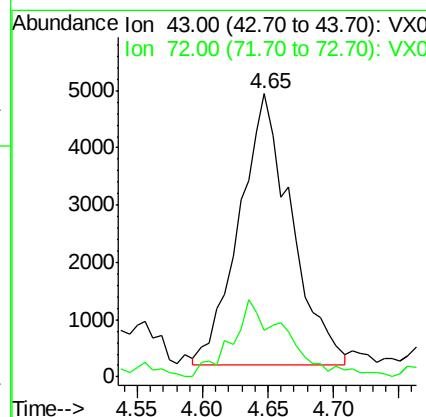
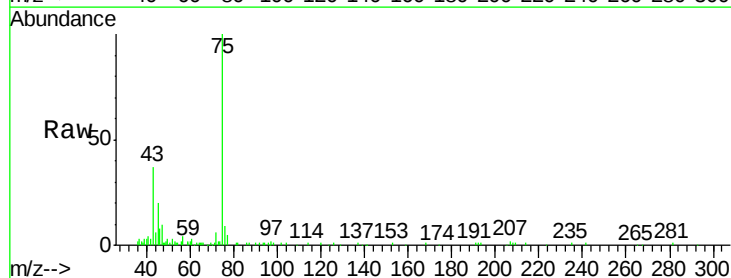
MMDadoda
9/3/2020 9:53:51 AM

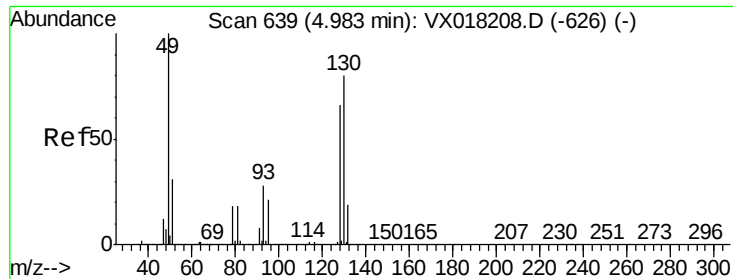


#22

2-Butanone
Concen: 3.623 ug/L m
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX018214.D
Acq: 02 Sep 2020 14:42

Tgt Ion	Ratio	Lower	Upper
43	100		
72	2.4	12.7	38.1#





#23

Bromochloromethane

Concen: 1.877 ug/L m

RT: 4.98 min Scan# 638

Delta R.T. -0.01 min

Lab File: VX018214.D

Acq: 02 Sep 2020 14:42

Instrument :

MSVOA_X

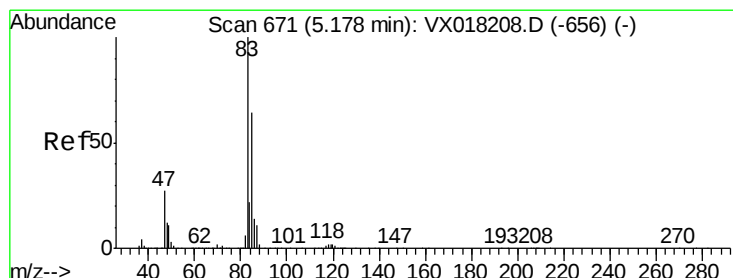
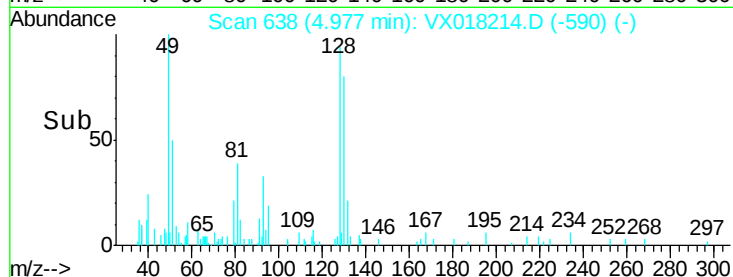
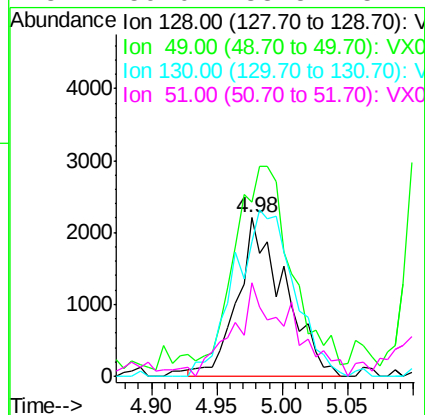
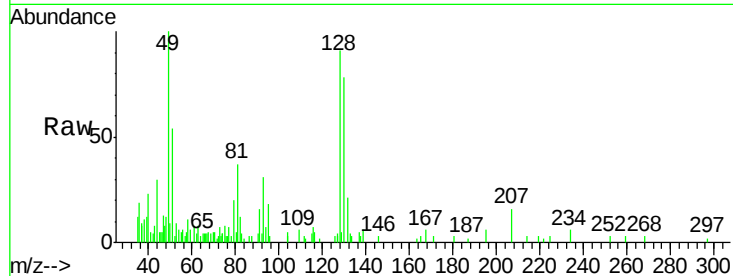
ClientSampleId :

MDL02

Tot Ion:	128	Resp:	5514
Ion	Ratio	Lower	Upper
128	100		
49	109.9	106.8	198.4
130	85.2	85.3	158.5#
51	59.0	38.5	57.7#

Manual Integrations
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#25

Chloroform

Concen: 3.568 ug/L

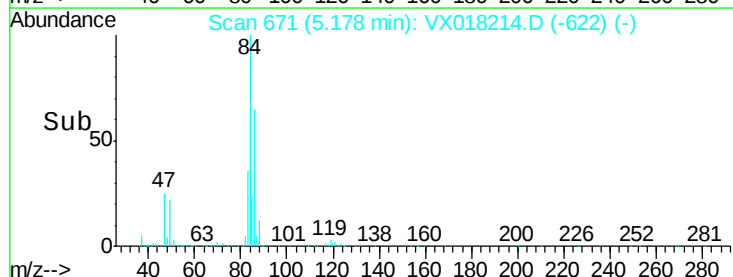
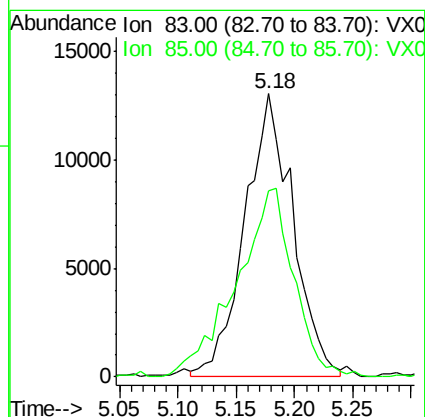
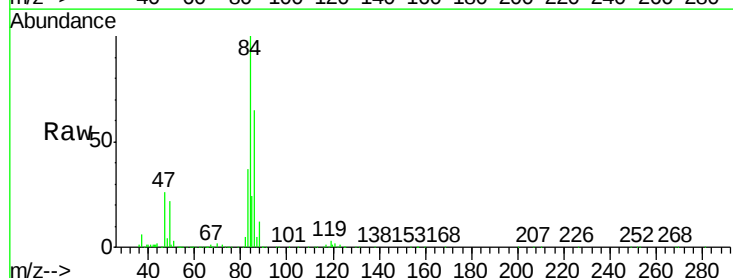
RT: 5.18 min Scan# 671

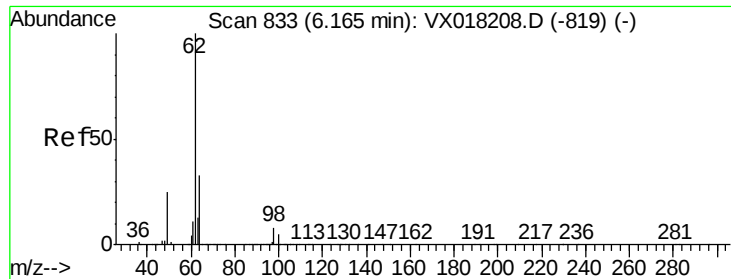
Delta R.T. 0.00 min

Lab File: VX018214.D

Acq: 02 Sep 2020 14:42

Tgt Ion:	83	Resp:	37555
Ion	Ratio	Lower	Upper
83	100		
85	65.7	44.7	83.1





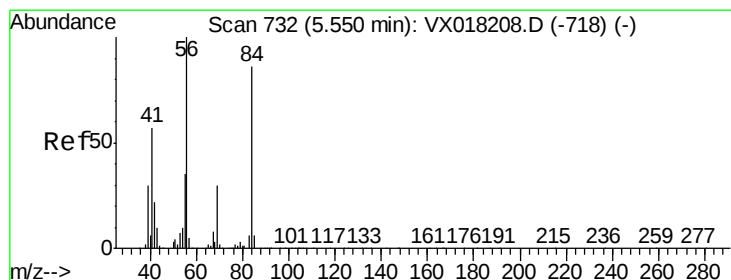
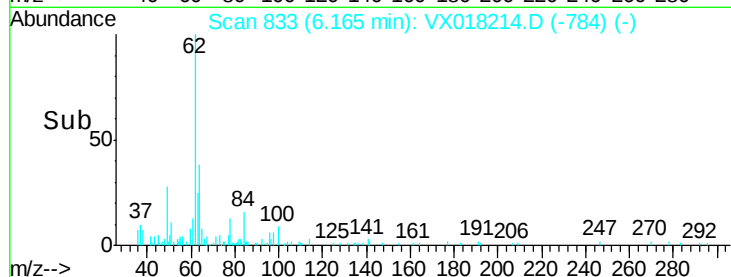
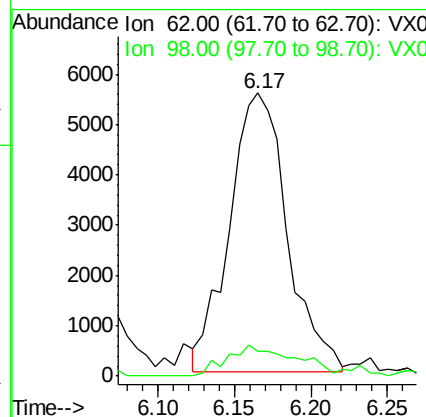
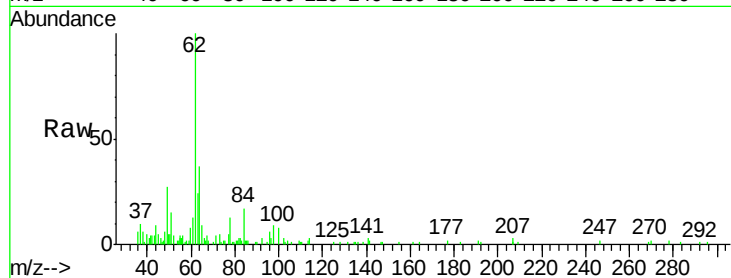
#27
 1,2-Dichloroethane
 Concen: 1.825 ug/L
 RT: 6.17 min Scan# 833
 Delta R.T. 0.00 min
 Lab File: VX018214.D
 Acq: 02 Sep 2020 14:42

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL02

Tot Ion	Ratio	Resp	Lower	Upper
62	100	14550		
98	8.9	6.6	9.8	

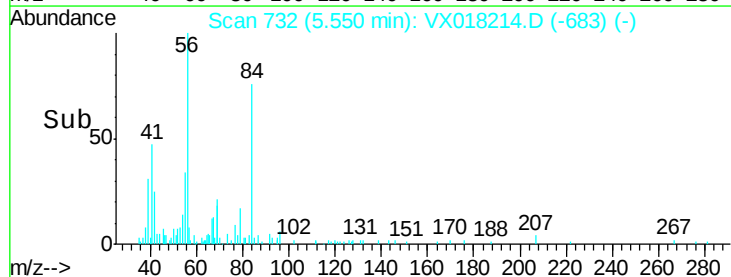
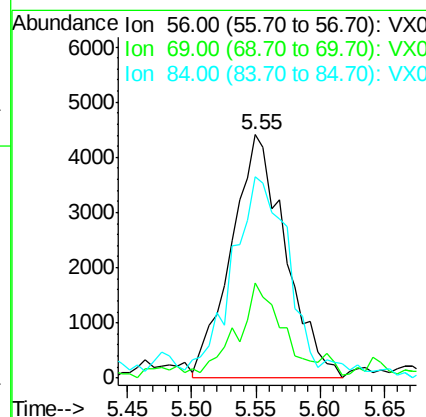
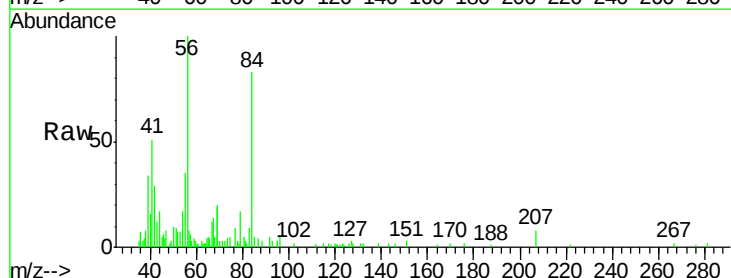
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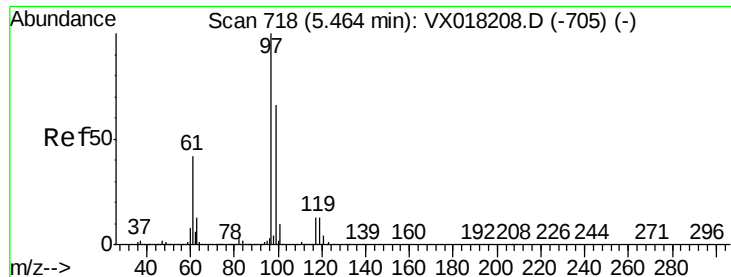
MMDadoda
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#29
 Cyclohexane
 Concen: 1.774 ug/L
 RT: 5.55 min Scan# 732
 Delta R.T. 0.00 min
 Lab File: VX018214.D
 Acq: 02 Sep 2020 14:42

Tgt Ion	Ratio	Resp	Lower	Upper
56	100	12900		
69	22.8	25.4	38.2#	
84	63.3	69.8	104.8#	





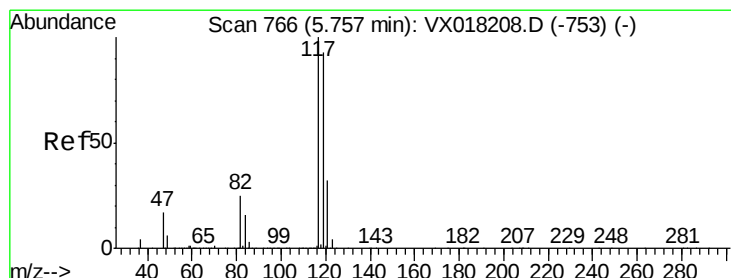
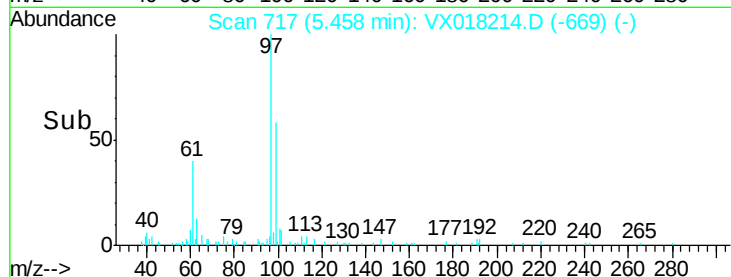
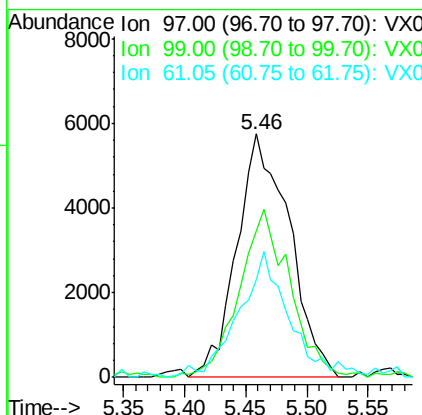
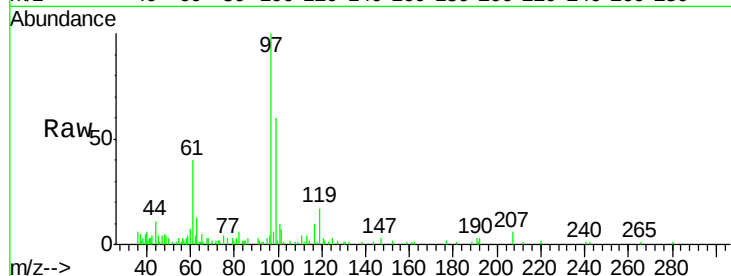
#30
 1,1,1-Trichloroethane
 Concen: 1.888 ug/L
 RT: 5.46 min Scan# 717
 Delta R.T. -0.01 min
 Lab File: VX018214.D
 Acq: 02 Sep 2020 14:42

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL02

Tot Ion:	97	Resp:	17132
Ion Ratio	Lower	Upper	
97	100		
99	66.1	51.7	77.5
61	45.5	33.8	50.6

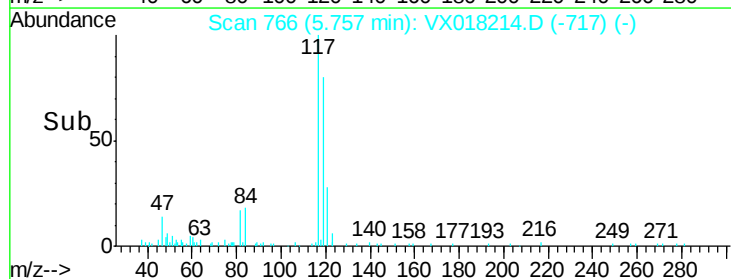
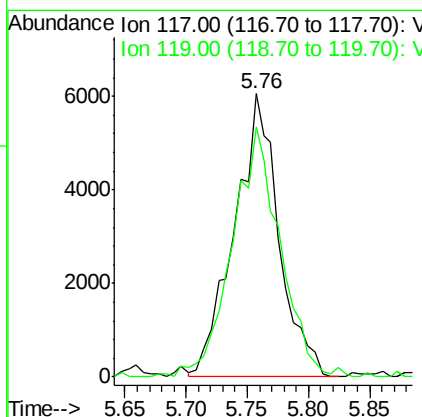
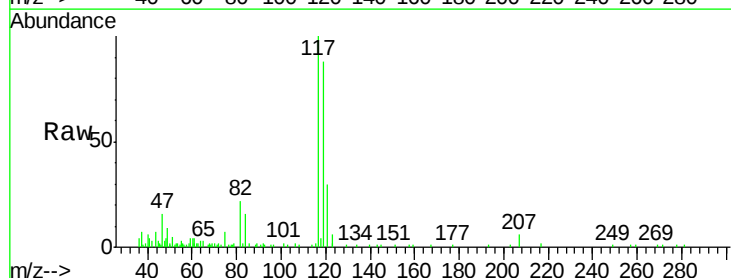
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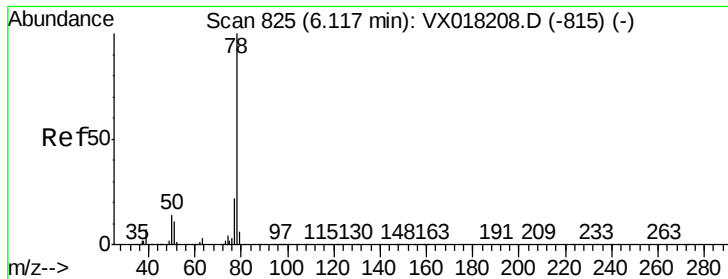
MMDadoda
 9/3/2020 9:53:51 AM



#31
 Carbon tetrachloride
 Concen: 1.854 ug/L
 RT: 5.76 min Scan# 766
 Delta R.T. 0.00 min
 Lab File: VX018214.D
 Acq: 02 Sep 2020 14:42

Tgt Ion:	117	Resp:	15316
Ion Ratio	Lower	Upper	
117	100		
119	94.1	76.8	115.2





#33

Benzene

Concen: 1.886 ug/L

RT: 6.11 min Scan# 824

Delta R.T. -0.01 min

Lab File: VX018214.D

Acq: 02 Sep 2020 14:42

Instrument :

MSVOA_X

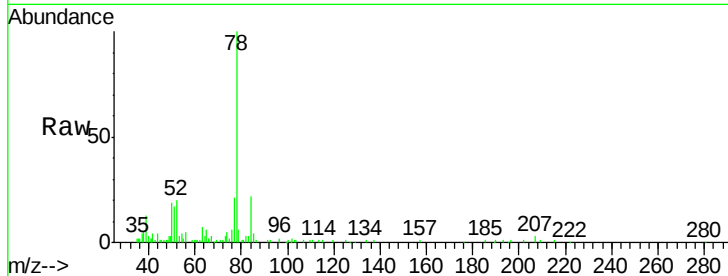
ClientSampleId :

MDL02

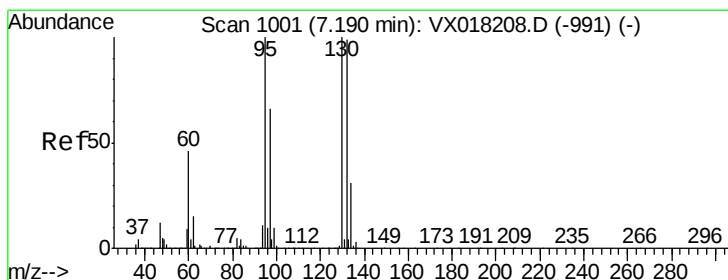
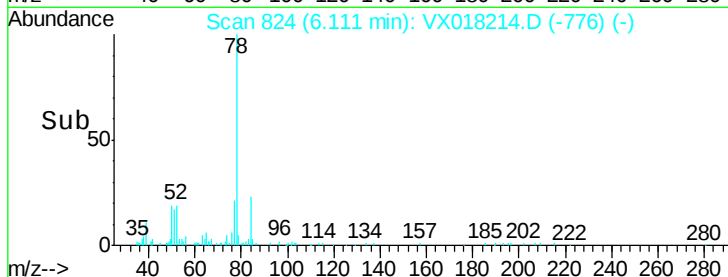
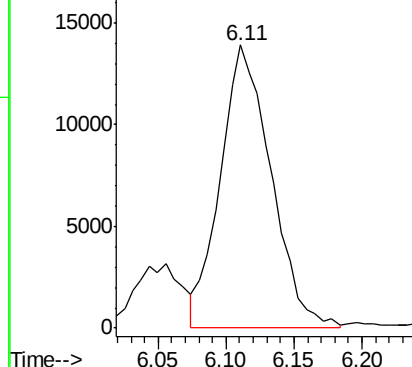
Tgt Ion: 78 Resp: 36050

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Abundance Ion 78.00 (77.70 to 78.70): VX0



#34

Trichloroethene

Concen: 1.819 ug/L

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX018214.D

Acq: 02 Sep 2020 14:42

Tgt Ion: 95 Resp: 9760

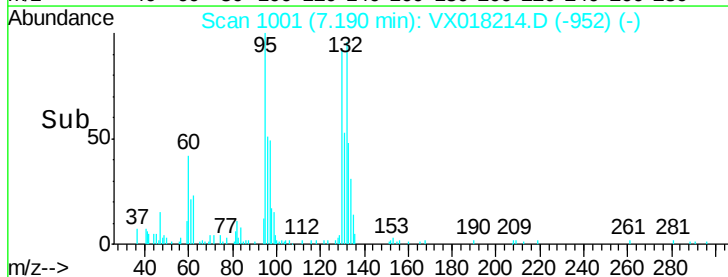
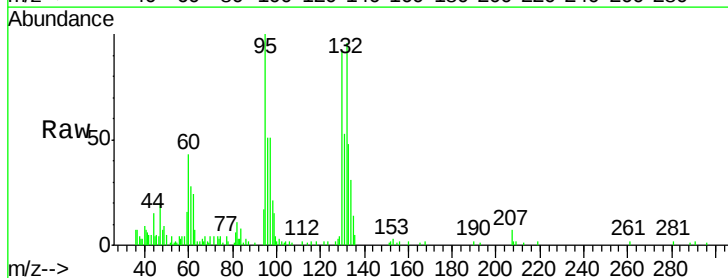
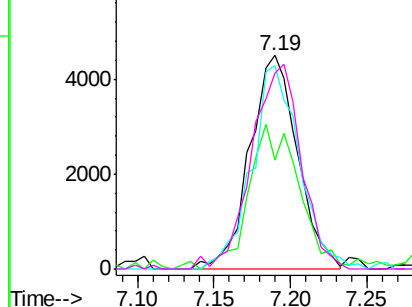
Ion	Ratio	Lower	Upper
95	100		
97	51.2	46.2	85.8
132	95.5	69.2	128.4
130	91.9	70.1	130.3

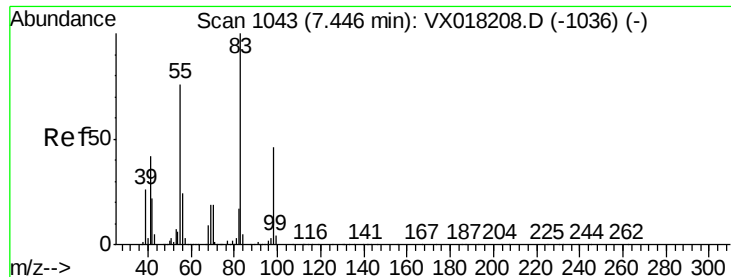
Abundance Ion 95.00 (94.70 to 95.70): VX0

Ion 97.00 (96.70 to 97.70): VX0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V





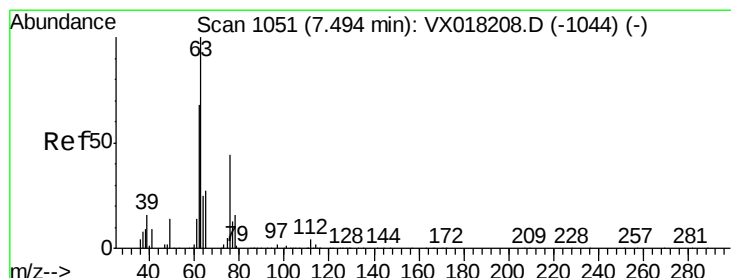
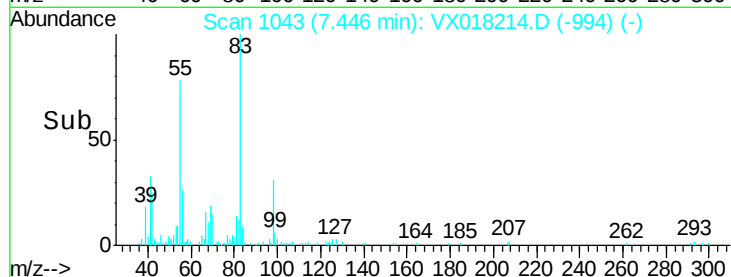
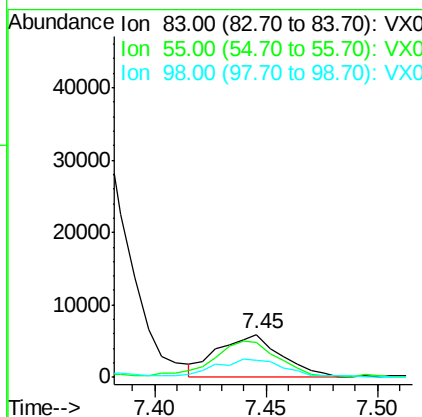
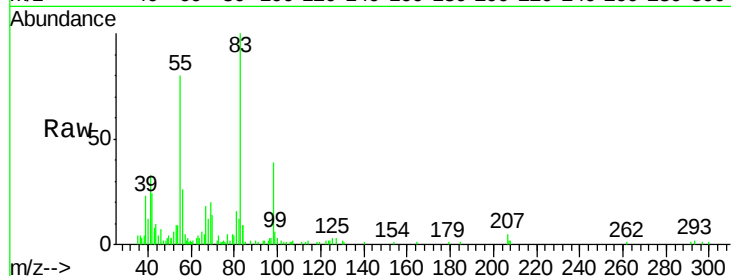
#35
Methylcyclohexane
Concen: 1.549 ug/L
RT: 7.45 min Scan# 1043
Delta R.T. 0.00 min
Lab File: VX018214.D
Acq: 02 Sep 2020 14:42

Instrument :
MSVOA_X
ClientSampleId :
MDL02

Tot Ion	Ratio	Resp	Lower	Upper
83	100	11552		
55	84.8	62.6	94.0	
98	40.8	37.1	55.7	

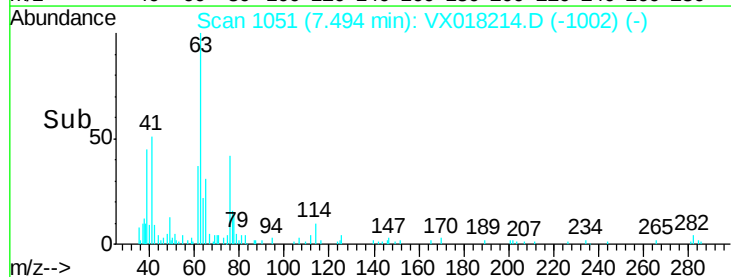
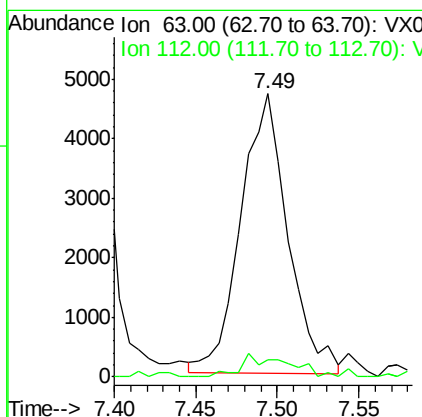
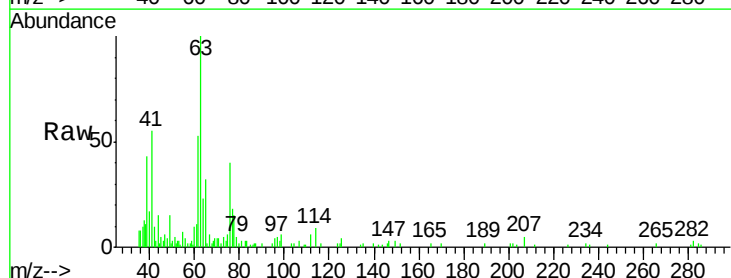
Manual Integrations
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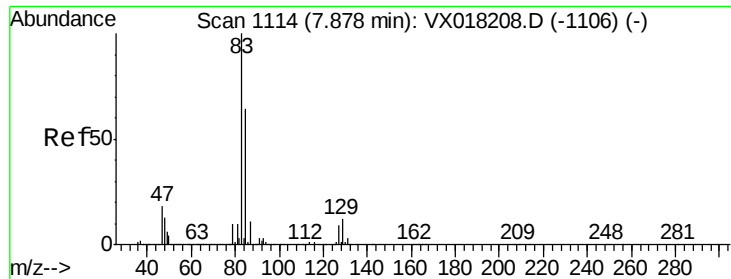
MMDadoda
9/3/2020 9:53:51 AM



#37
1,2-Dichloropropane
Concen: 1.857 ug/L
RT: 7.49 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VX018214.D
Acq: 02 Sep 2020 14:42

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	9400		
112	3.7	3.6	5.4	





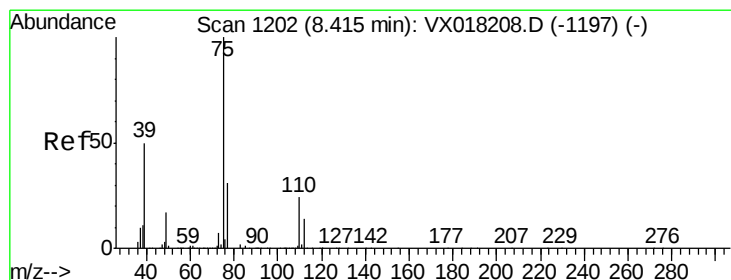
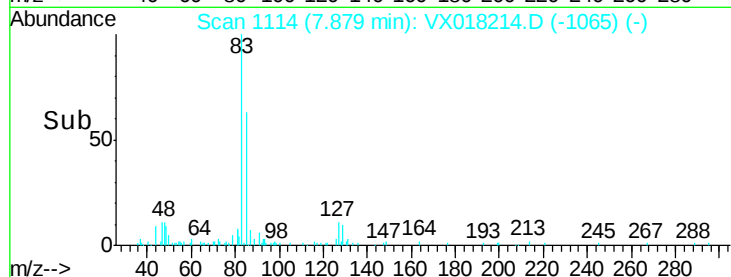
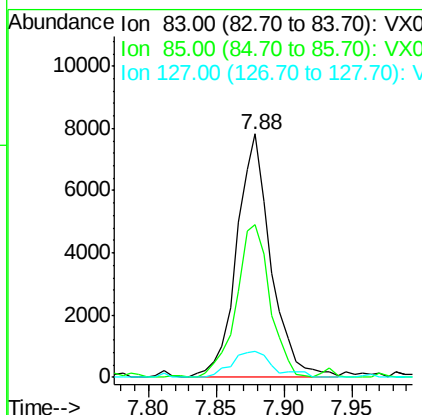
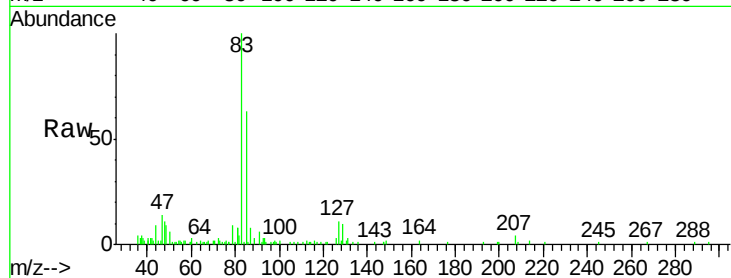
#38
 Bromodichloromethane
 Concen: 1.895 ug/L
 RT: 7.88 min Scan# 1114
 Delta R.T. 0.00 min
 Lab File: VX018214.D
 Acq: 02 Sep 2020 14:42

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL02

Tot Ion	Ratio	Lower	Upper
83	100		
85	62.6	44.5	82.7
127	10.7	7.4	11.2

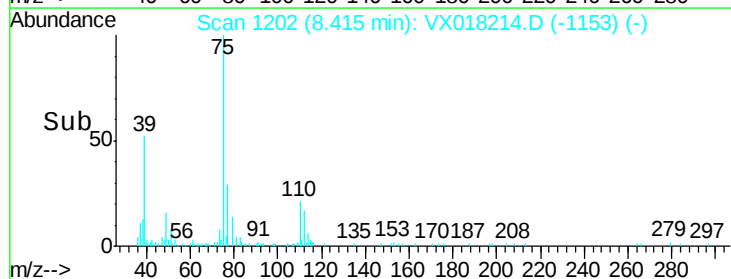
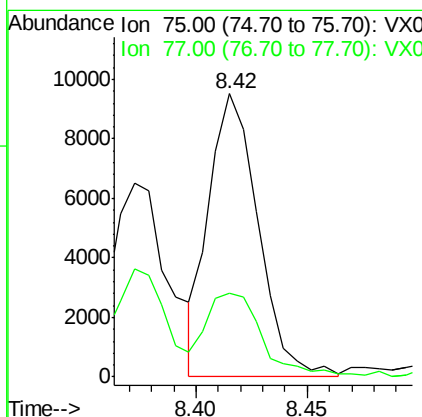
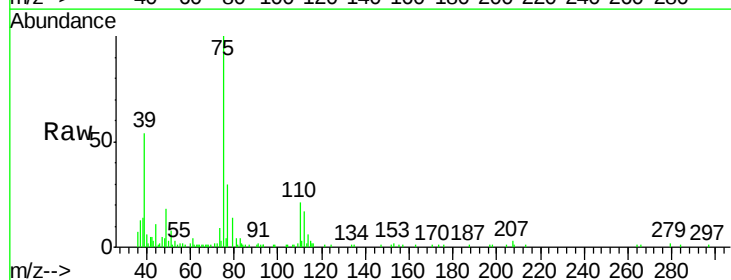
Manual Integrations
 APPROVED

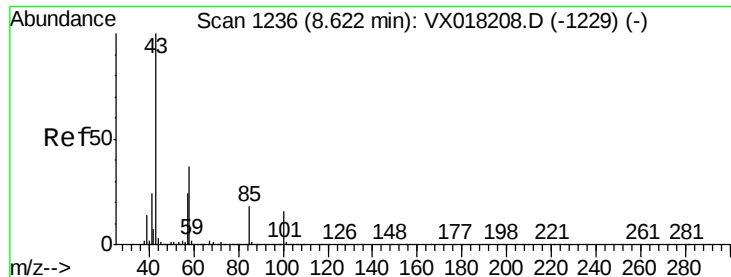
MMDadoda
 9/3/2020 9:53:51 AM



#39
 cis-1,3-Dichloropropene
 Concen: 1.856 ug/L
 RT: 8.42 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VX018214.D
 Acq: 02 Sep 2020 14:42

Tgt Ion	Ratio	Lower	Upper
75	100		
77	29.8	21.7	40.3





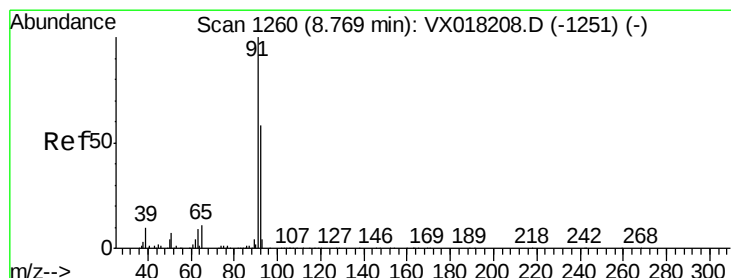
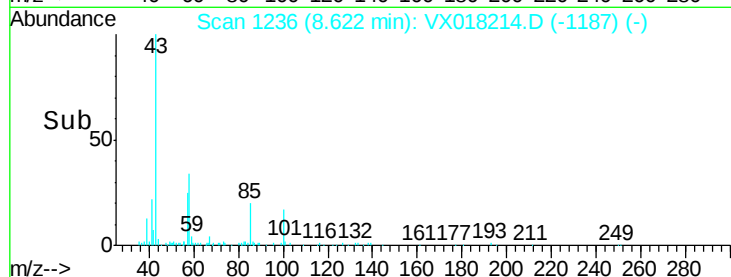
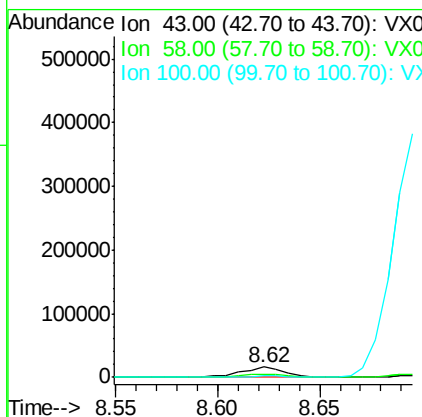
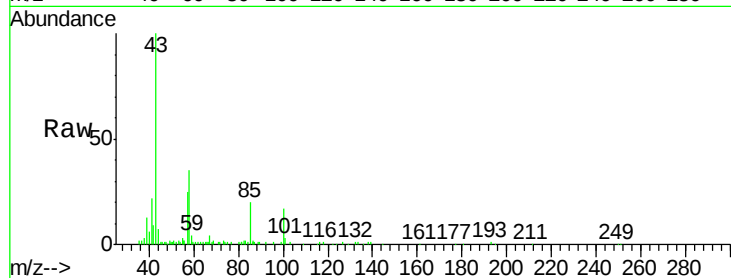
#40
4-Methyl-2-pentanone
Concen: 3.293 ug/L
RT: 8.62 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VX018214.D
Acq: 02 Sep 2020 14:42

Instrument :
MSVOA_X
ClientSampleId :
MDL02

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.3	30.3	45.5
100	16.4	11.9	17.9

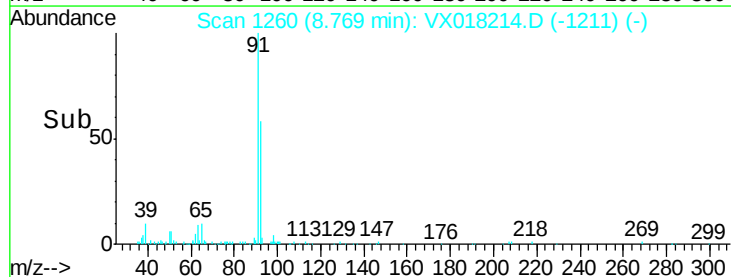
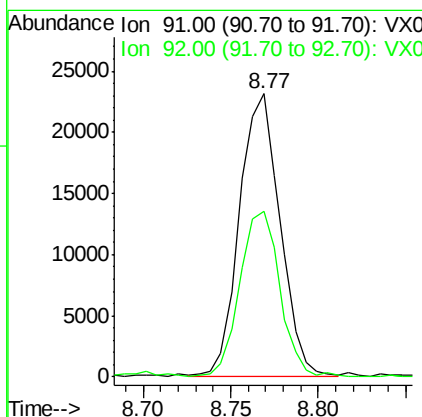
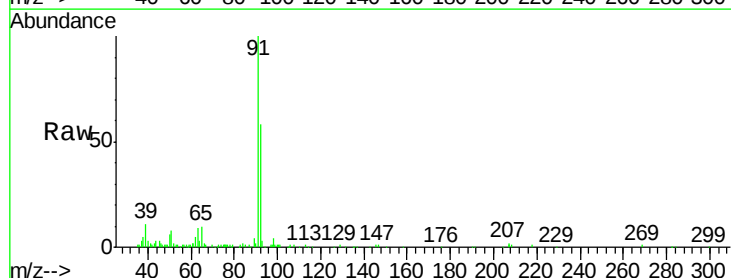
Manual Integrations
APPROVED

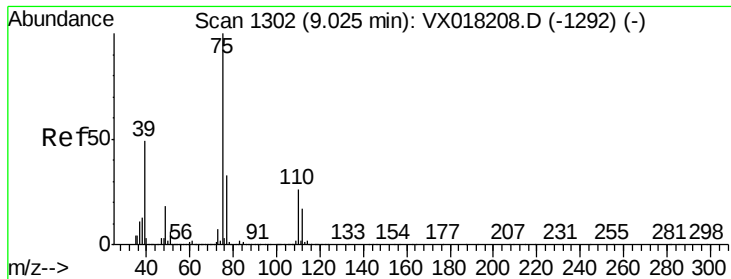
MMDadoda
9/3/2020 9:53:51 AM



#42
Toluene
Concen: 1.827 ug/L
RT: 8.77 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VX018214.D
Acq: 02 Sep 2020 14:42

Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.4	40.9	75.9





#44

trans-1,3-Dichloropropene

Concen: 1.676 ug/L

RT: 9.02 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VX018214.D

Acq: 02 Sep 2020 14:42

Instrument :

MSVOA_X

ClientSampleId :

MDL02

Tot Ion: 75 Resp: 13920

Ion Ratio Lower Upper

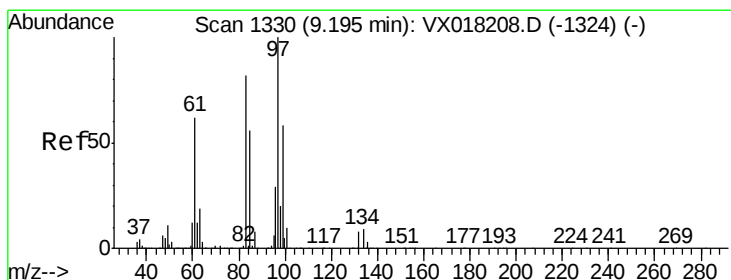
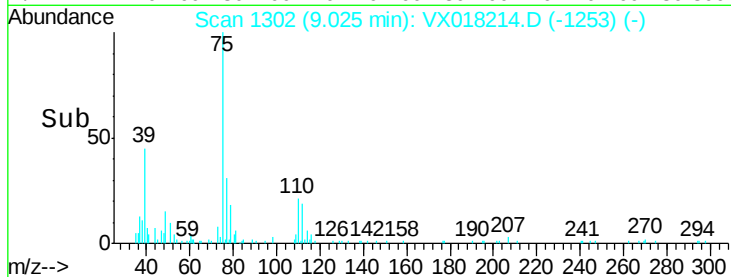
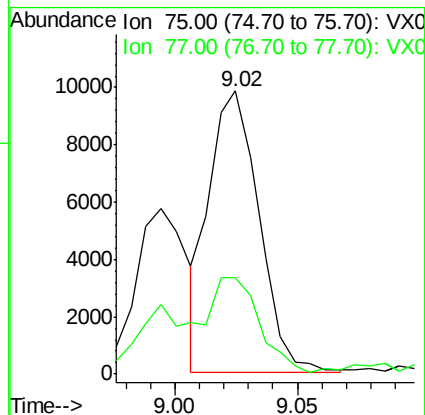
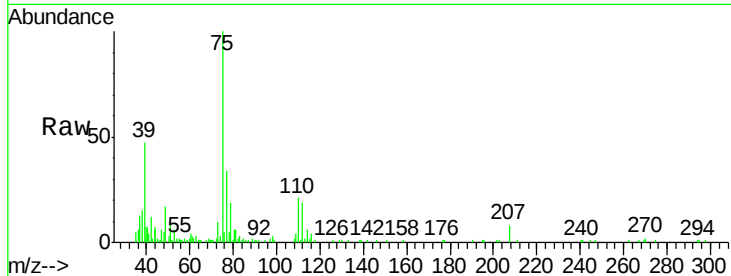
75 100

77 34.0 23.2 43.0

Manual Integrations
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#45

1,1,2-Trichloroethane

Concen: 1.951 ug/L

RT: 9.20 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VX018214.D

Acq: 02 Sep 2020 14:42

Tgt Ion: 97 Resp: 9913

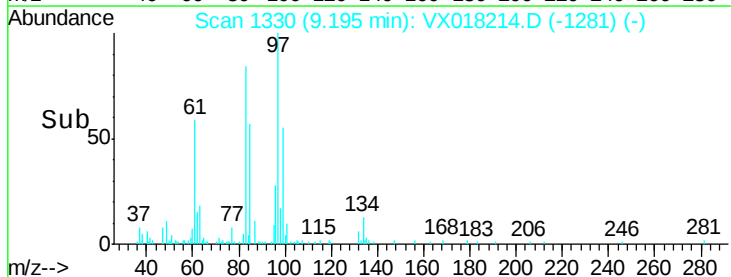
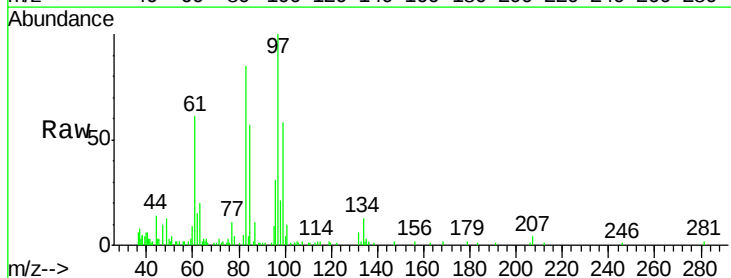
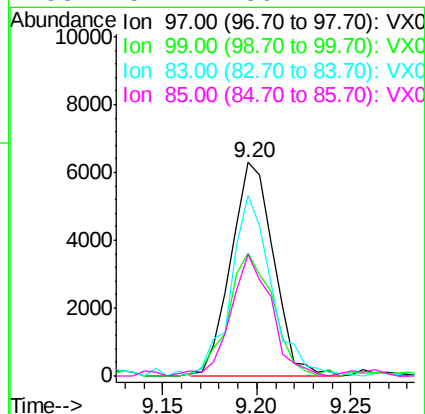
Ion Ratio Lower Upper

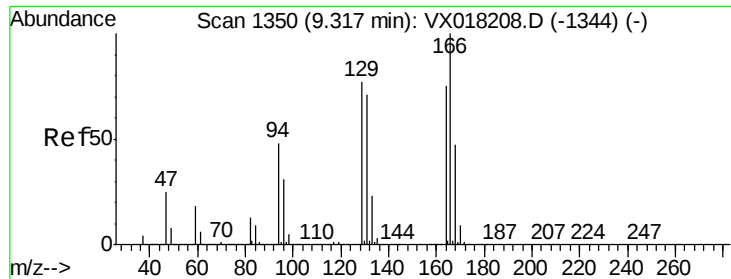
97 100

99 57.7 40.3 74.9

83 84.6 57.7 107.1

85 57.2 39.1 72.7





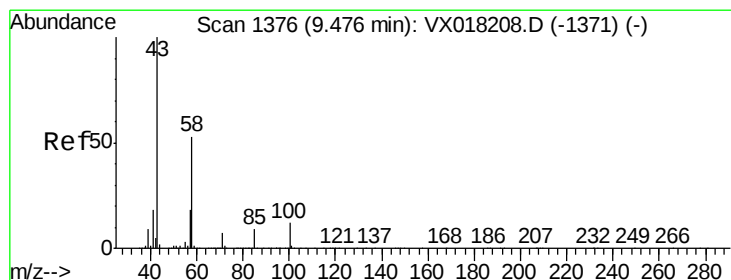
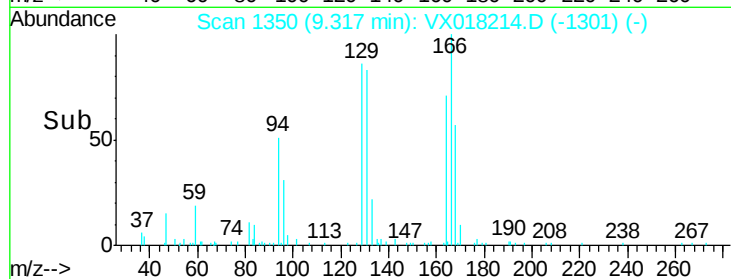
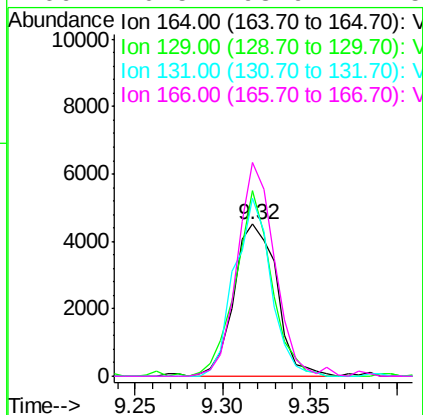
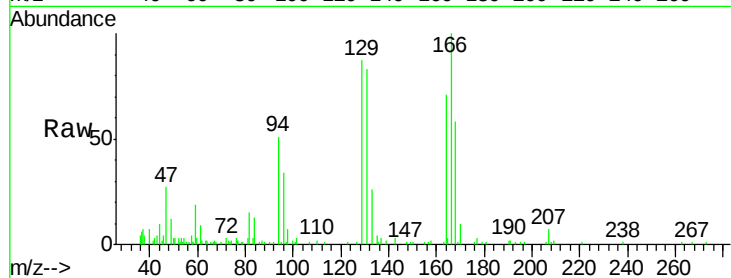
#46
Tetrachloroethene
Concen: 1.806 ug/L
RT: 9.32 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VX018214.D
Acq: 02 Sep 2020 14:42

Instrument :
MSVOA_X
ClientSampled :
MDL02

Tot Ion	Ratio	Lower	Upper
164	100		
129	122.0	72.0	133.6
131	116.8	66.8	124.2
166	140.5	93.9	174.5

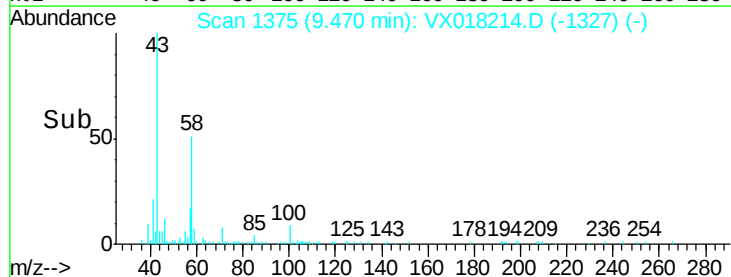
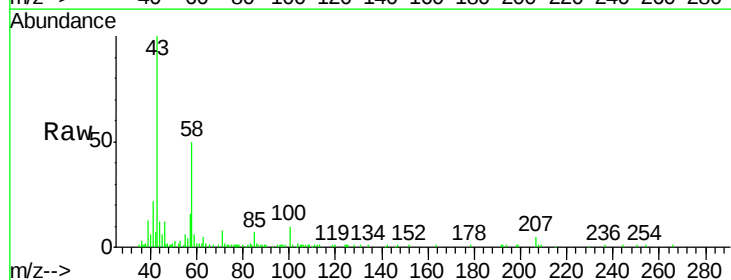
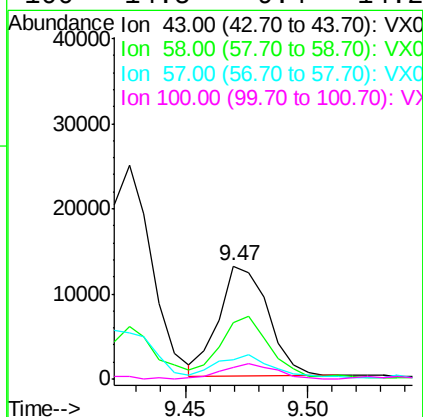
Manual Integrations
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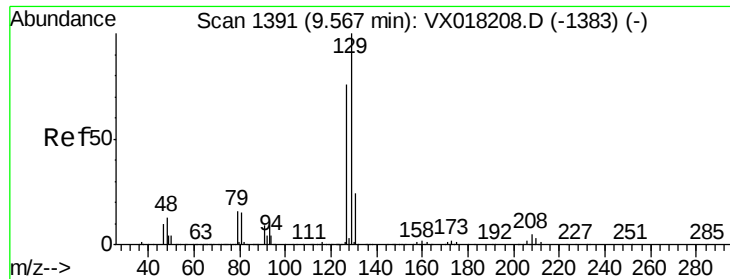
MMDadoda
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#48
2-Hexanone
Concen: 3.273 ug/L
RT: 9.47 min Scan# 1375
Delta R.T. -0.01 min
Lab File: VX018214.D
Acq: 02 Sep 2020 14:42

Tgt Ion	Ratio	Lower	Upper
43	100		
58	55.7	41.8	62.8
57	23.7	15.2	22.8#
100	14.5	9.4	14.2#





#49

Dibromochloromethane

Concen: 1.772 ug/L

RT: 9.57 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX018214.D

Acq: 02 Sep 2020 14:42

Instrument :

MSVOA_X

ClientSampleId :

MDL02

Tot Ion:129 Resp: 11034

Ion Ratio Lower Upper

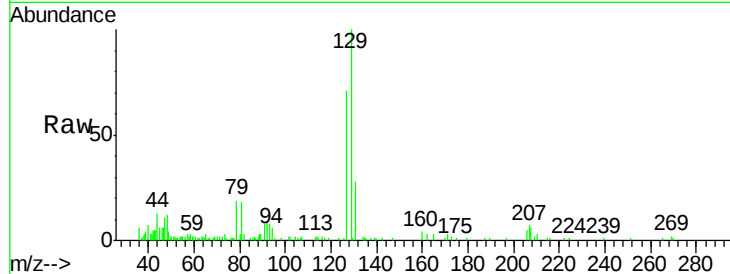
129 100

127 70.6 53.1 98.5

Manual Integrations
APPROVED

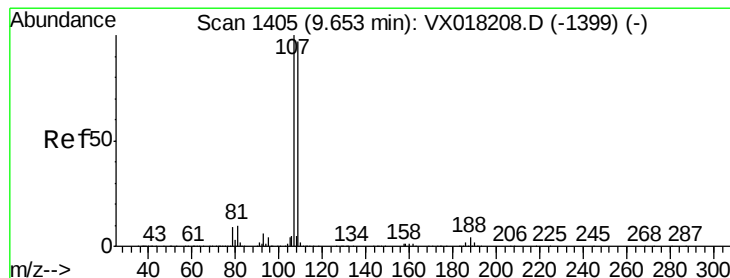
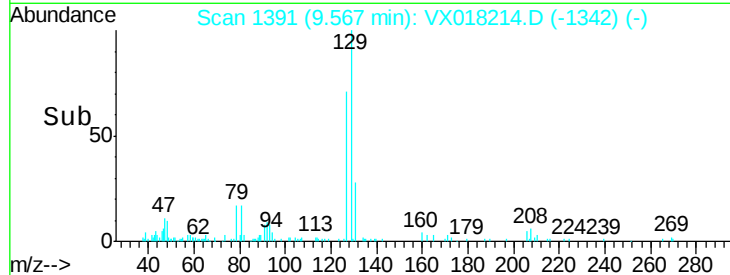
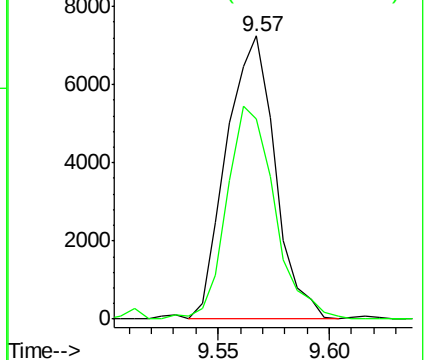
MMDadoda

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#50

1,2-Dibromoethane

Concen: 2.108 ug/L m

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX018214.D

Acq: 02 Sep 2020 14:42

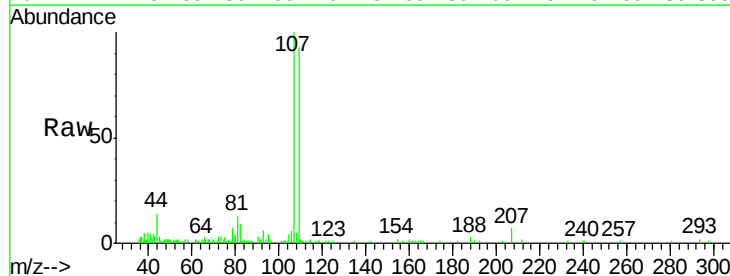
Tgt Ion:107 Resp: 11341

Ion Ratio Lower Upper

107 100

109 92.6 68.0 126.2

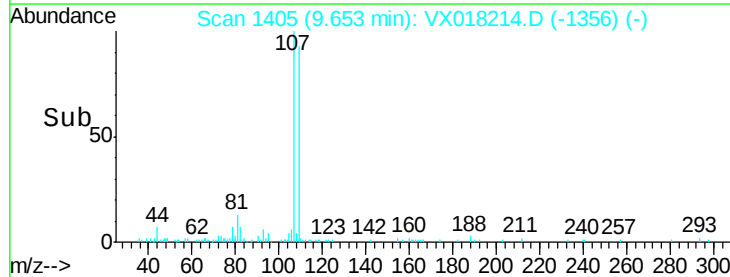
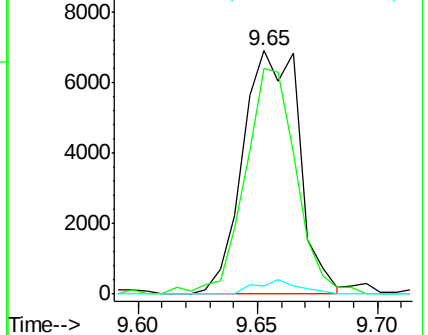
188 3.3 2.8 4.2

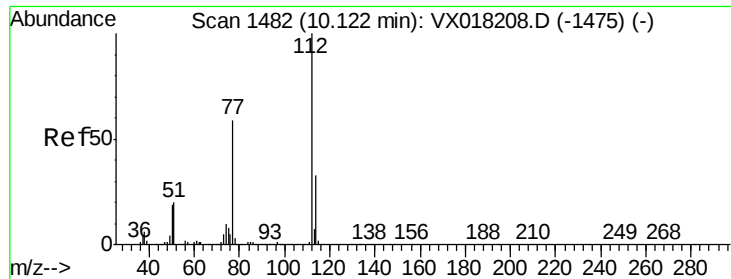


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V





#51

Chlorobenzene

Concen: 1.722 ug/L

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX018214.D

Acq: 02 Sep 2020 14:42

Instrument :

MSVOA_X

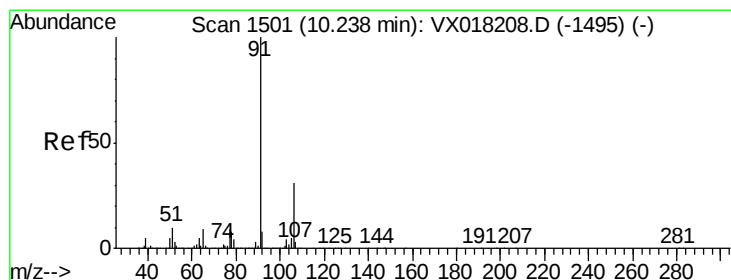
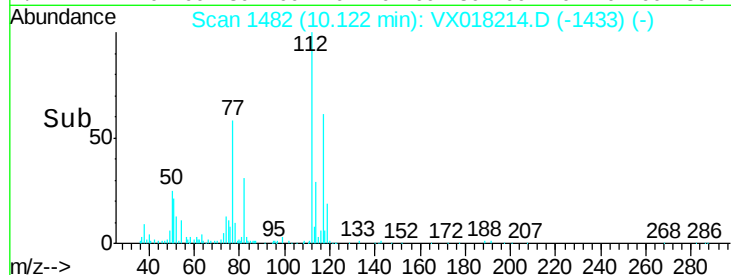
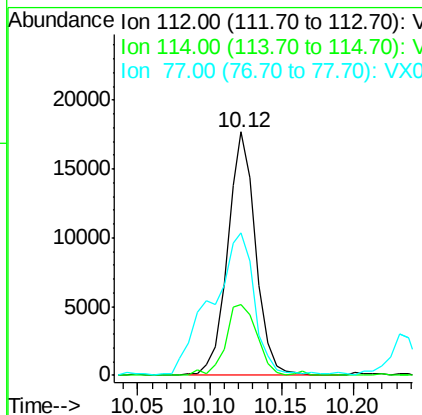
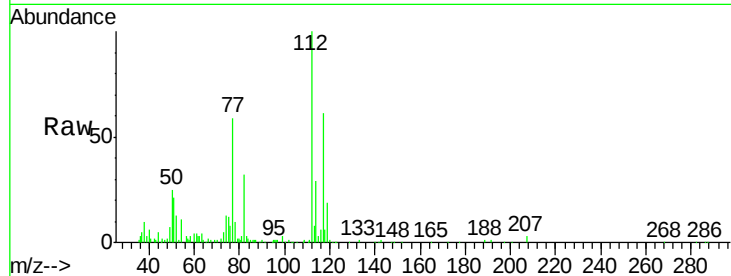
ClientSampleId :

MDL02

Tot Ion:	112	Resp:	24061
Ion Ratio	Lower	Upper	
112	100		
114	29.2	23.2	43.2
77	58.7	47.0	70.6

Manual Integrations
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#52

Ethylbenzene

Concen: 1.612 ug/L

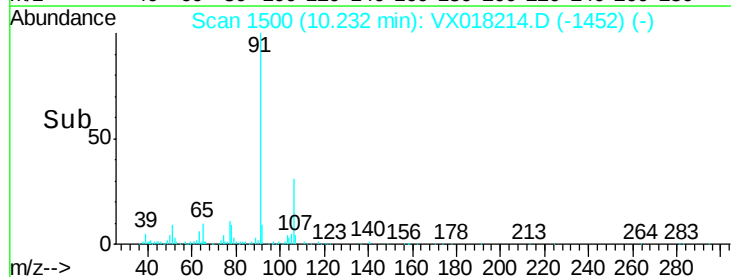
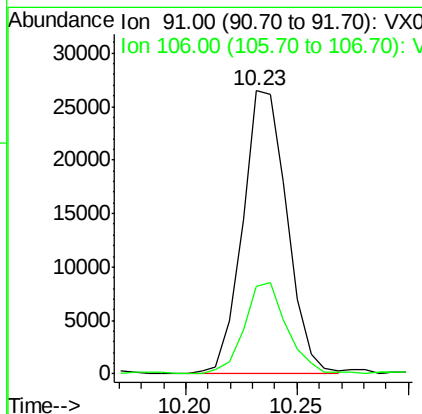
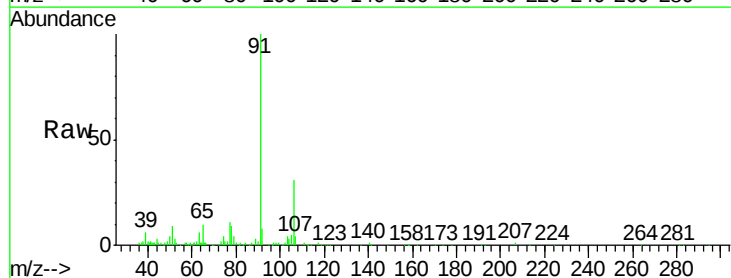
RT: 10.23 min Scan# 1500

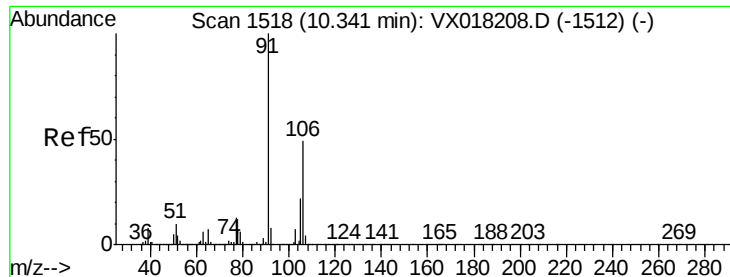
Delta R.T. -0.01 min

Lab File: VX018214.D

Acq: 02 Sep 2020 14:42

Tgt Ion:	91	Resp:	36871
Ion Ratio	Lower	Upper	
91	100		
106	30.8	21.9	40.7





#53

m,p-Xylene

Concen: 1.573 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX018214.D

Acq: 02 Sep 2020 14:42

Instrument :

MSVOA_X

ClientSampled :

MDL02

Tot Ion:106 Resp: 13746

Ion Ratio Lower Upper

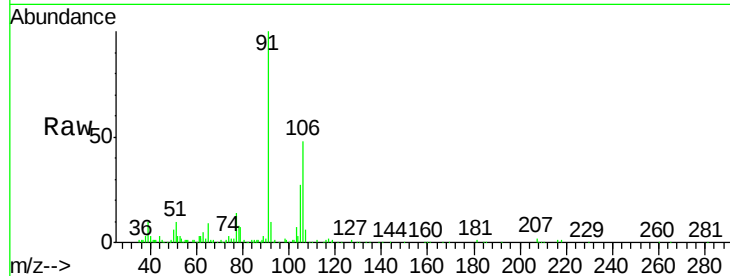
106 100

91 208.0 142.2 264.2

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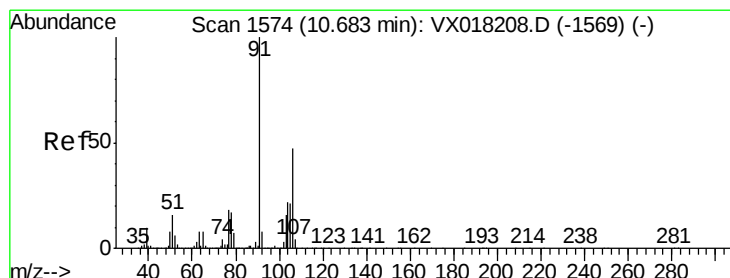
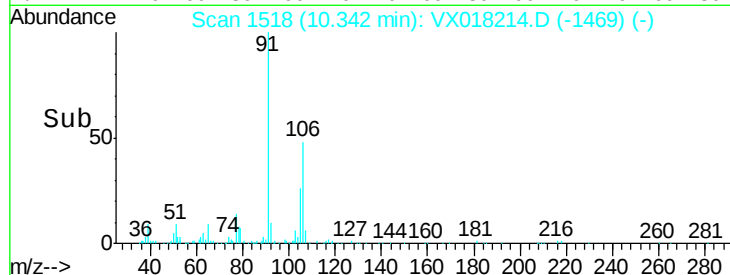
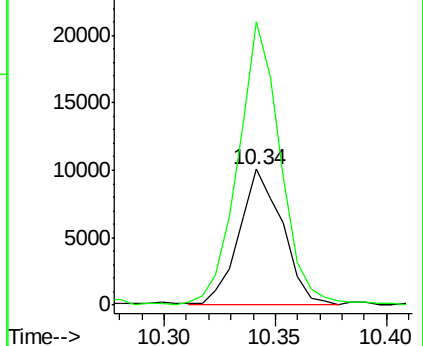
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#54

o-xylene

Concen: 1.577 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VX018214.D

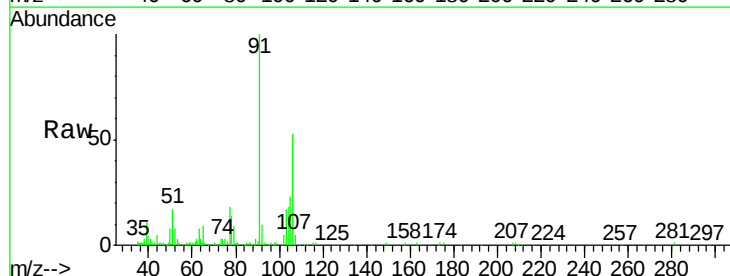
Acq: 02 Sep 2020 14:42

Tgt Ion:106 Resp: 13151

Ion Ratio Lower Upper

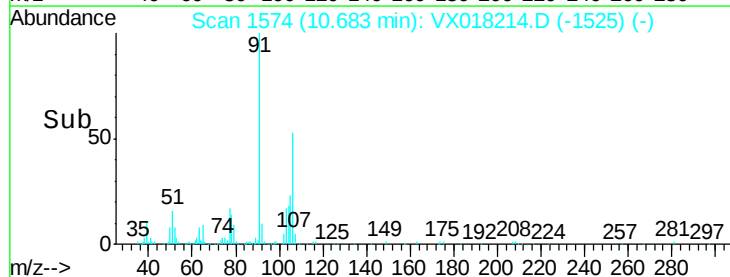
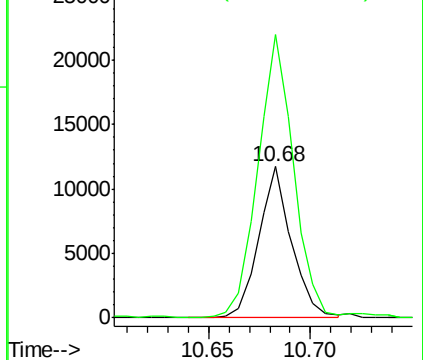
106 100

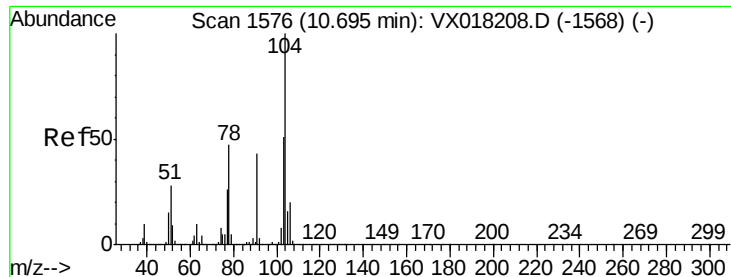
91 187.2 150.3 279.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





#55

Stvrene

Concen: 1.439 ug/L

RT: 10.70 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VX018214.D

Acq: 02 Sep 2020 14:42

Instrument :

MSVOA_X

ClientSampleId :

MDL02

Tot Ion:104 Resp: 20727

Ion Ratio Lower Upper

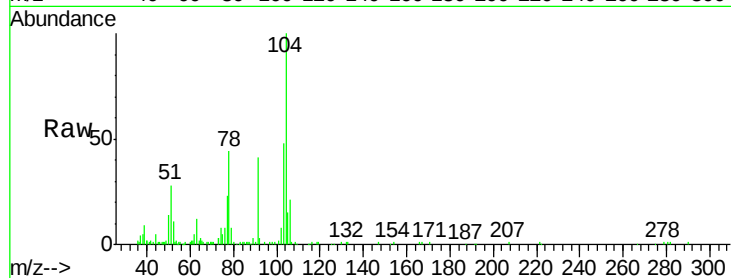
104 100

78 43.5 33.1 61.5

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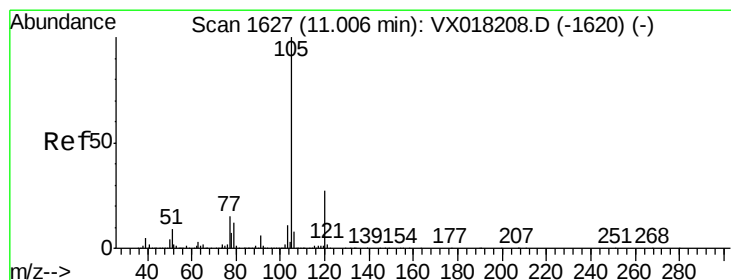
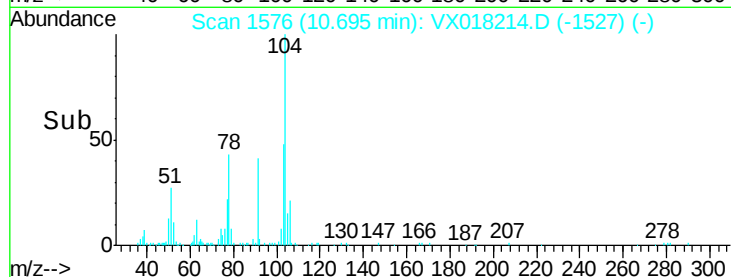
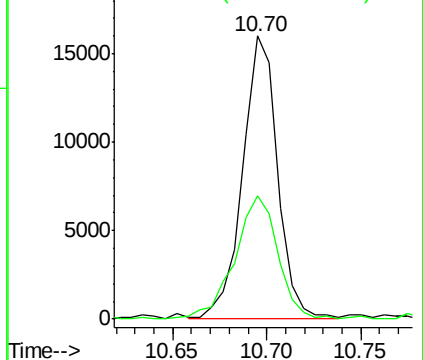
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Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0



#56

Isopropylbenzene

Concen: 1.404 ug/L

RT: 11.01 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX018214.D

Acq: 02 Sep 2020 14:42

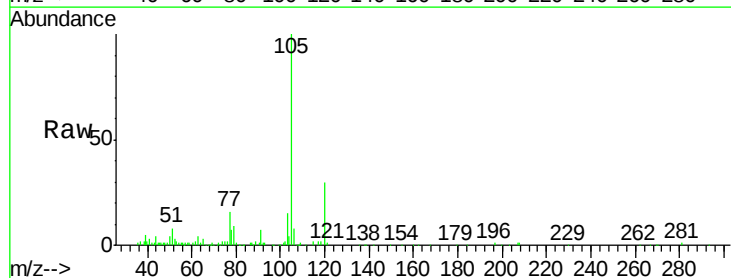
Tgt Ion:105 Resp: 31329

Ion Ratio Lower Upper

105 100

120 28.1 21.3 31.9

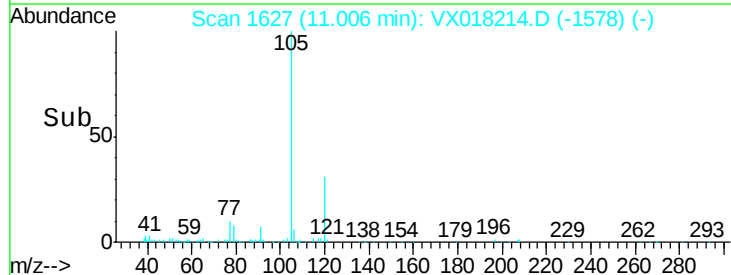
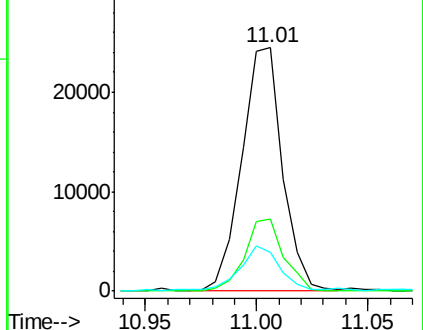
77 16.9 12.7 19.1

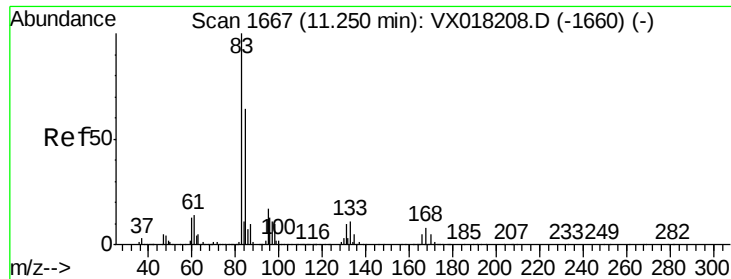


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VX0





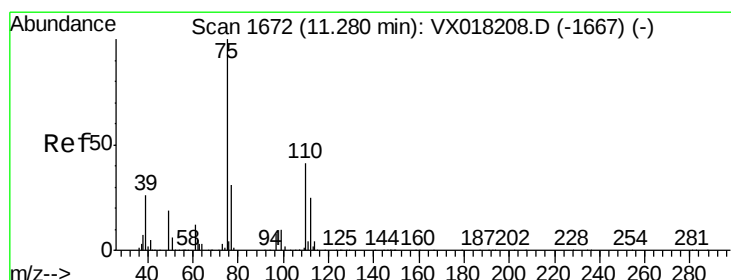
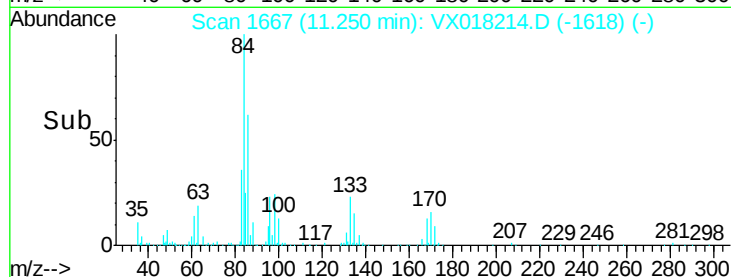
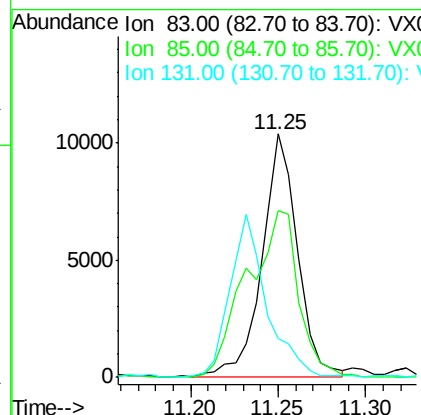
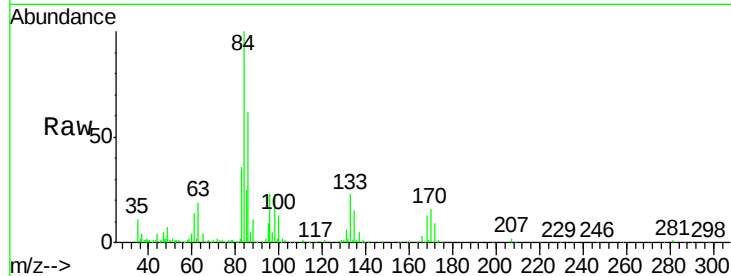
#58
 1,1,2,2-Tetrachloroethane
 Concen: 1.988 ug/L
 RT: 11.25 min Scan# 1667
 Delta R.T. 0.00 min
 Lab File: VX018214.D
 Acq: 02 Sep 2020 14:42

Instrument :
 MSVOA_X
 ClientSampled :
 MDL02

Tot Ion	Ratio	Resp	Lower	Upper
83	100	14833		
85	68.4		44.6	82.8
131	22.1		8.0	12.0#

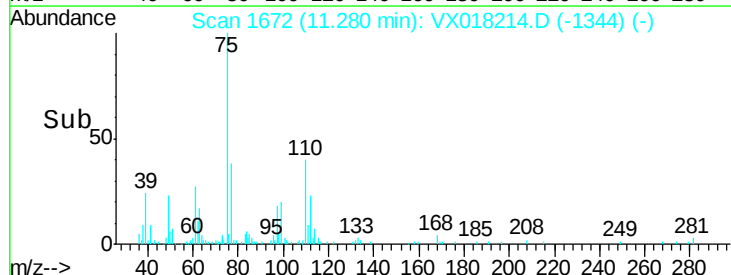
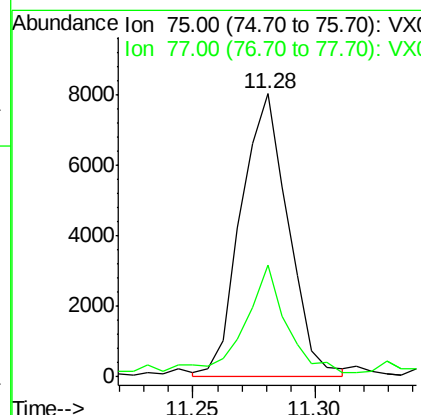
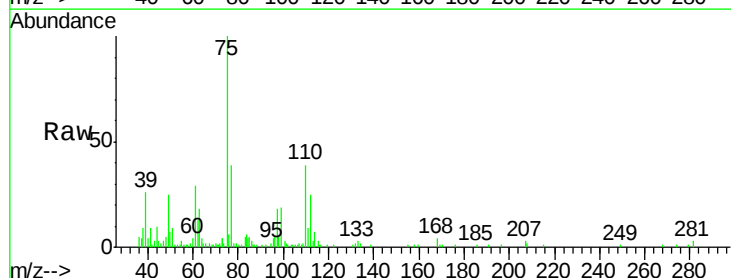
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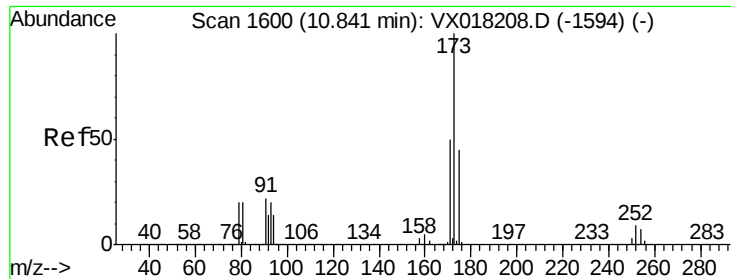
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#59
 1,2,3-Trichloropropane
 Concen: 1.676 ug/L
 RT: 11.28 min Scan# 1672
 Delta R.T. 0.00 min
 Lab File: VX018214.D
 Acq: 02 Sep 2020 14:42

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	10841		
77	32.1		25.8	38.8





#61

Bromoform

Concen: 1.833 ug/L

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX018214.D

Acq: 02 Sep 2020 14:42

Instrument :

MSVOA_X

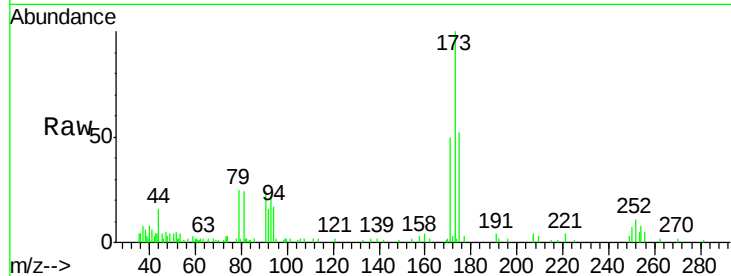
ClientSampleId :

MDL02

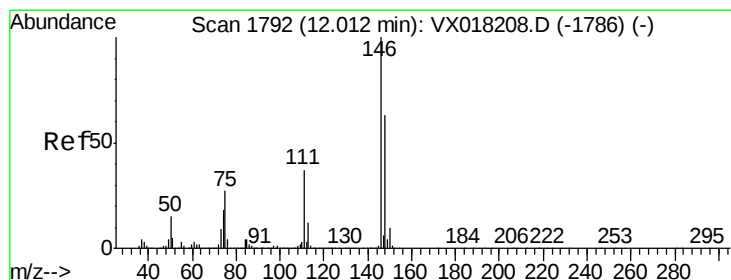
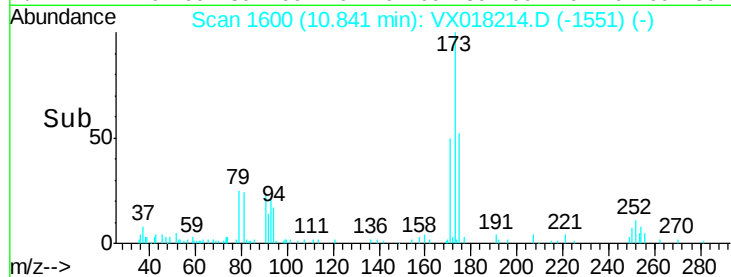
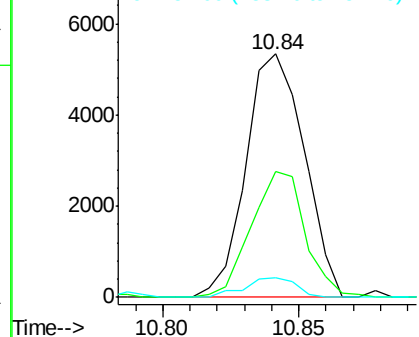
Tot Ion:	173	Resp:	7926
Ion	Ratio	Lower	Upper
173	100		
175	48.1	37.9	56.9
254	7.2	6.6	10.0

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Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#62

1,3-Dichlorobenzene

Concen: 1.816 ug/L

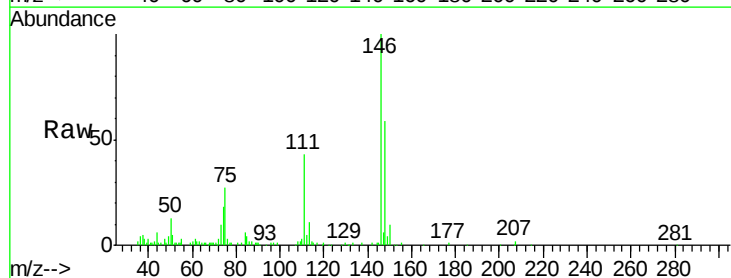
RT: 12.01 min Scan# 1792

Delta R.T. 0.00 min

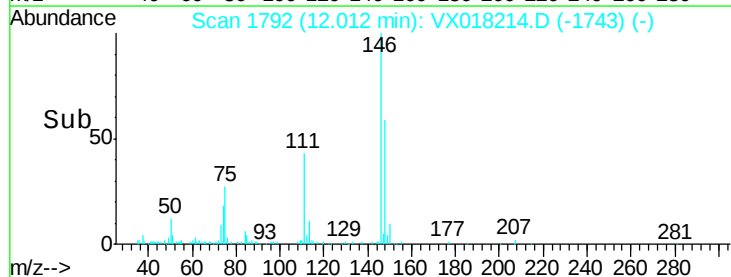
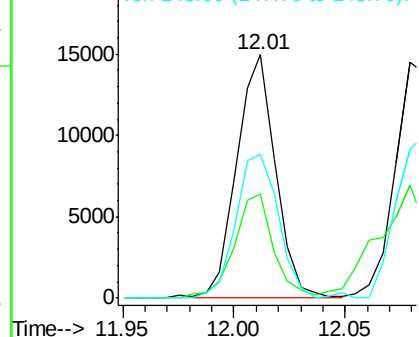
Lab File: VX018214.D

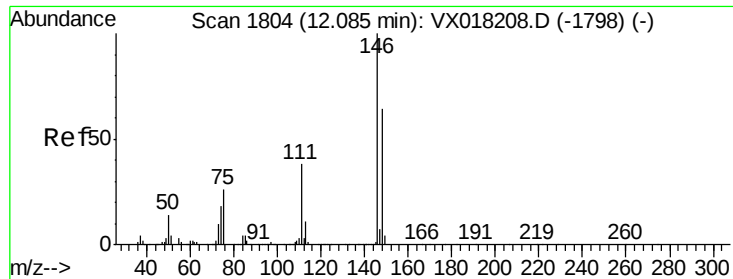
Acq: 02 Sep 2020 14:42

Tgt Ion:	146	Resp:	18191
Ion	Ratio	Lower	Upper
146	100		
111	42.6	26.2	48.6
148	59.2	44.2	82.2



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#63

1,4-Dichlorobenzene

Concen: 1.793 ug/L

RT: 12.08 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VX018214.D

Acq: 02 Sep 2020 14:42

Instrument :

MSVOA_X

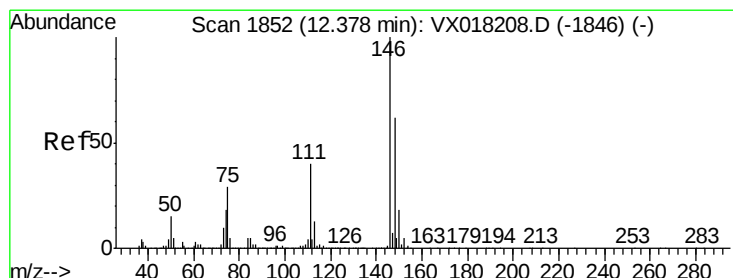
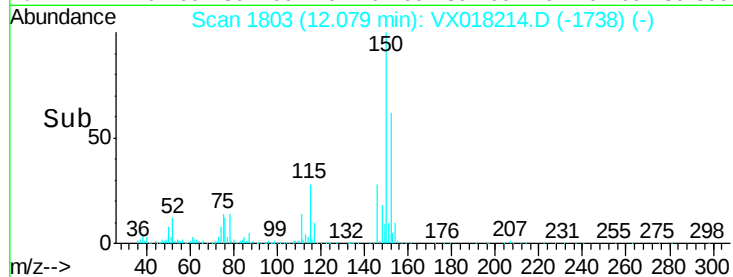
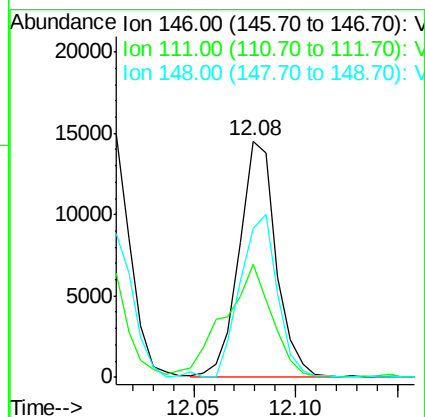
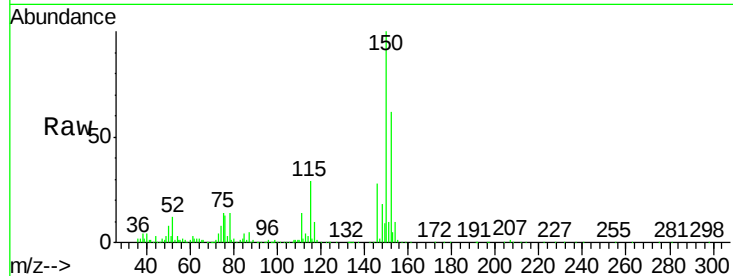
ClientSampleId :

MDL02

Tot Ion:	146	Resp:	18286
Ion Ratio	Lower	Upper	
146	100		
111	47.8	26.5	49.1
148	62.9	44.5	82.7

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#65

1,2-Dichlorobenzene

Concen: 1.930 ug/L

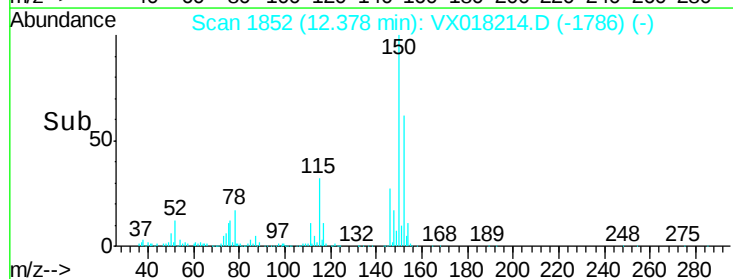
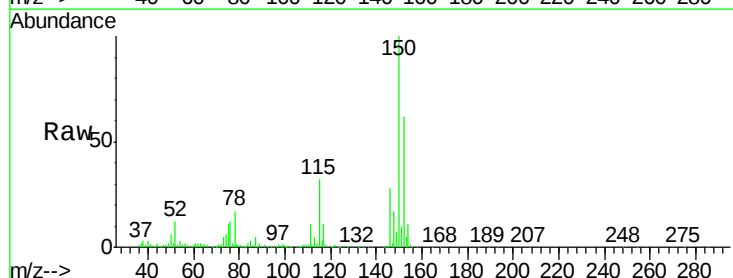
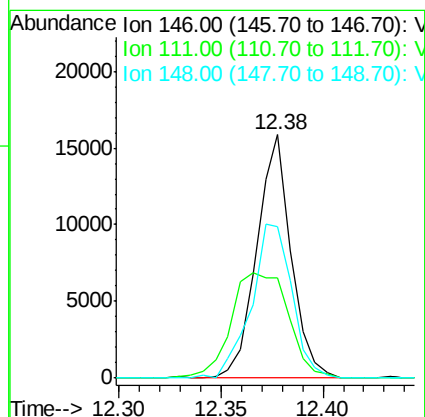
RT: 12.38 min Scan# 1852

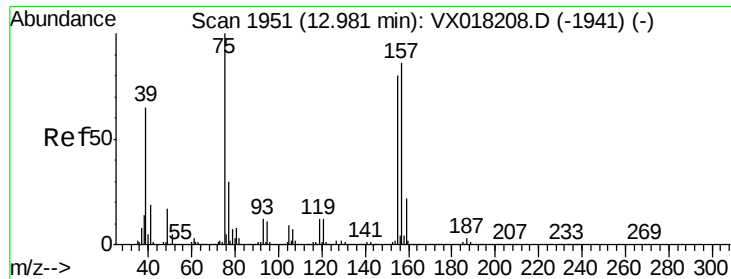
Delta R.T. 0.00 min

Lab File: VX018214.D

Acq: 02 Sep 2020 14:42

Tgt Ion:	146	Resp:	18618
Ion Ratio	Lower	Upper	
146	100		
111	41.1	32.4	48.6
148	62.1	49.7	74.5





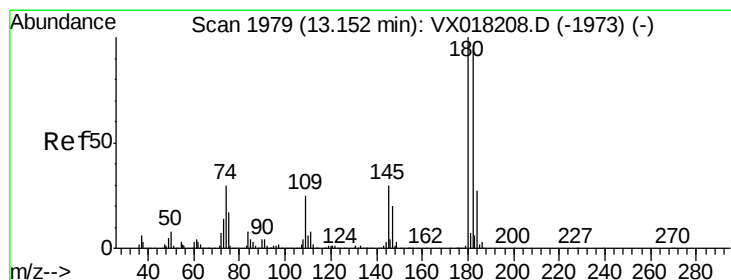
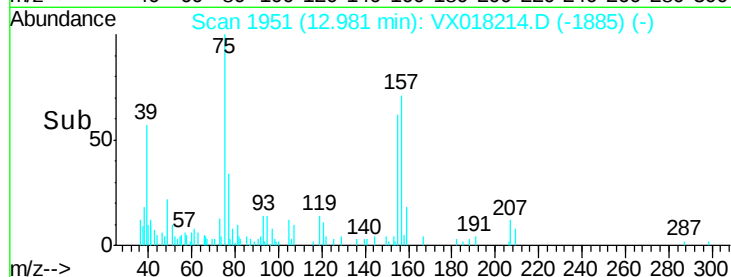
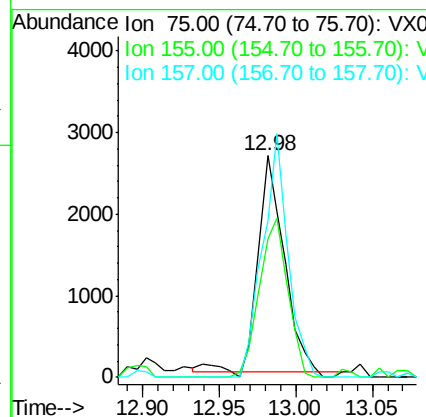
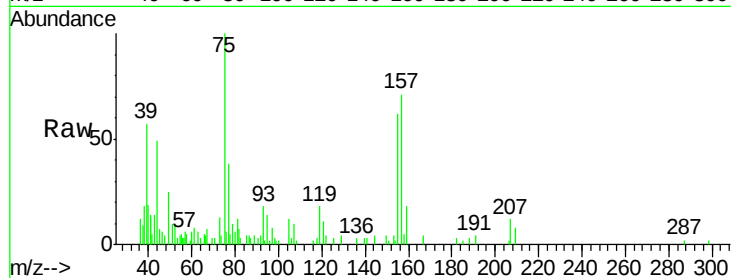
#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.720 ug/L
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX018214.D
 Acq: 02 Sep 2020 14:42

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL02

Tot Ion	Ratio	Lower	Upper
75	100		
155	62.3	63.8	95.8#
157	70.8	68.5	102.7

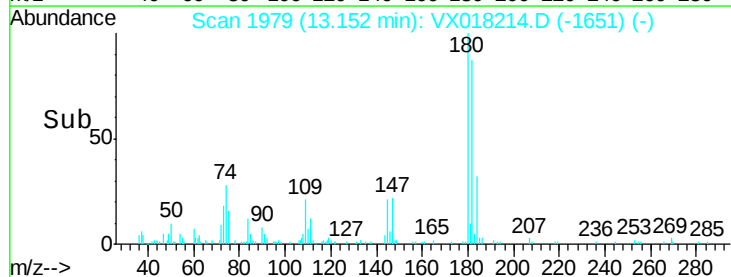
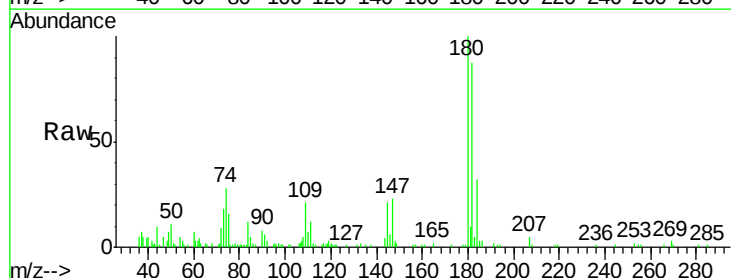
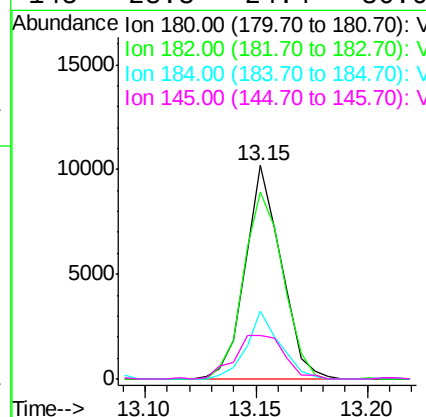
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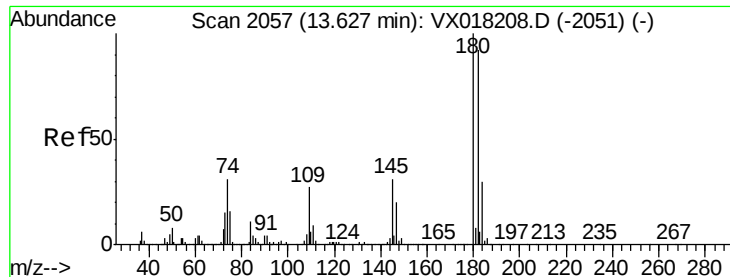
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#67
 1,3,5-Trichlorobenzene
 Concen: 1.767 ug/L
 RT: 13.15 min Scan# 1979
 Delta R.T. 0.00 min
 Lab File: VX018214.D
 Acq: 02 Sep 2020 14:42

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	77.1	115.7
184	29.5	23.8	35.6
145	28.3	24.4	36.6





#68

1,2,4-trichlorobenzene

Concen: 1.628 ug/L

RT: 13.63 min Scan# 2057

Delta R.T. 0.00 min

Lab File: VX018214.D

Acq: 02 Sep 2020 14:42

Instrument :

MSVOA_X

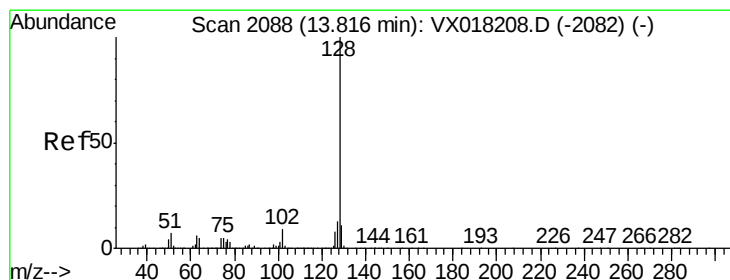
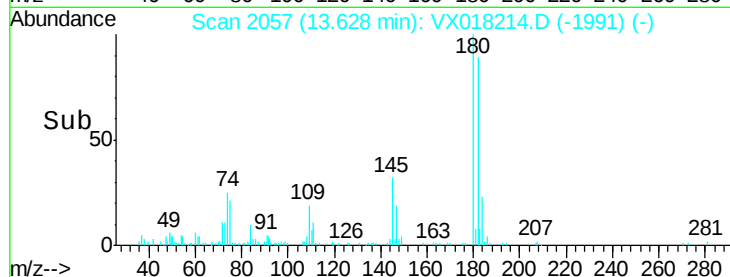
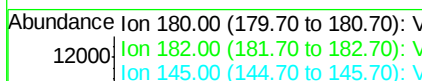
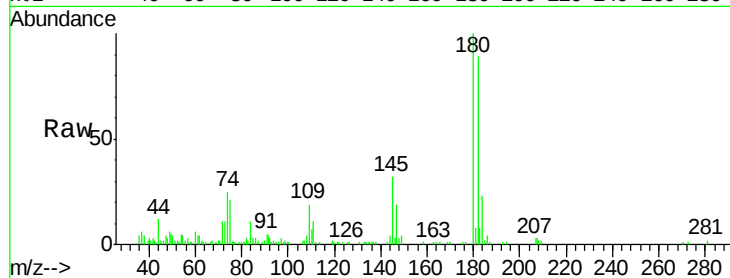
ClientSampleId :

MDL02

Tot Ion:	180	Resp:	9818
Ion Ratio	Lower	Upper	
180	100		
182	105.2	74.1	111.1
145	34.8	25.0	37.4

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#69

Naphthalene

Concen: 1.390 ug/L

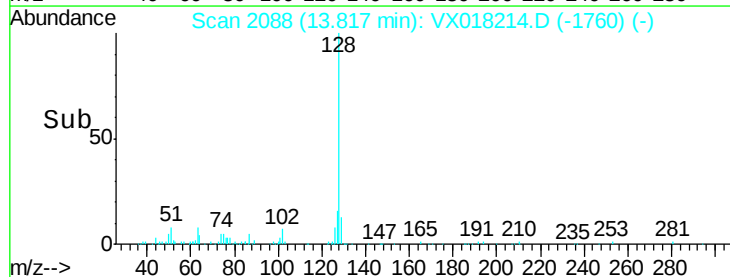
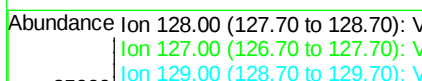
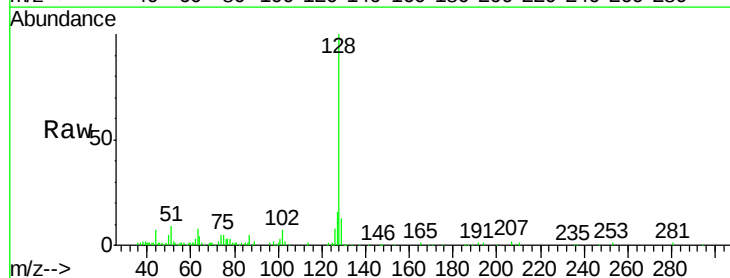
RT: 13.82 min Scan# 2088

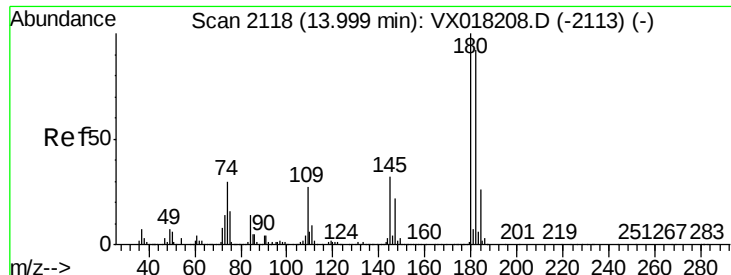
Delta R.T. 0.00 min

Lab File: VX018214.D

Acq: 02 Sep 2020 14:42

Tgt Ion:	128	Resp:	26508
Ion Ratio	Lower	Upper	
128	100		
127	16.1	10.0	15.0#
129	12.7	8.6	12.8





#70
 1,2,3-Trichlorobenzene
 Concen: 1.617 ug/L
 RT: 14.01 min Scan# 2119
 Delta R.T. 0.01 min
 Lab File: VX018214.D
 Acq: 02 Sep 2020 14:42

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL02

Tot Ion	Ratio	Lower	Upper
180	100		
182	101.7	77.0	115.4
145	37.5	27.2	40.8

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