

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX090220\
 Data File : VX018216.D
 Acq On : 02 Sep 2020 15:27
 Operator : JC/SP
 Sample : MDL04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL04

Manual Integrations
 APPROVED

MMDadoda
 9/3/2020 9:54:02 AM

Quant Time: Sep 03 05:20:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXML090220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 03 05:15:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.84	114	656781	50.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	621298	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	12.06	152	287874	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	245040	46.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.46%
7) Chloroethane-d5	1.70	69	193447	48.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.04%
11) 1,1-Dichloroethene-d2	2.34	63	376901	37.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.02%
21) 2-Butanone-d5	4.53	46	337395	91.96	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.96%
24) Chloroform-d	5.14	84	466340	48.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.58%
26) 1,2-Dichloroethane-d4	6.03	65	338715	46.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.92%
32) Benzene-d6	6.05	84	910951	49.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.72%
36) 1,2-Dichloropropane-d6	7.37	67	290212	50.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.04%
41) Toluene-d8	8.70	98	846688	47.29	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.58%
43) trans-1,3-Dichloropropene-	8.99	79	154906	47.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.72%
47) 2-Hexanone-d5	9.43	63	250170	97.30	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.30%
57) 1,1,2,2-Tetrachloroethane-	11.23	84	368000	47.04	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.08%
64) 1,2-Dichlorobenzene-d4	12.36	152	332883	53.23	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.46%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	11524	2.062 ug/L	99
3) Chloromethane	1.31	50	10463	2.044 ug/L	97
5) Vinyl chloride	1.39	62	11188m	2.198 ug/L	
6) Bromomethane	1.64	94	6533	2.245 ug/L	99
8) Chloroethane	1.72	64	6351	2.122 ug/L	100
9) Trichlorofluoromethane	1.92	101	16862	1.996 ug/L	94
10) 1,1,2-Trichloro-1,2,2-trif	2.37	101	12293	2.677 ug/L	87
12) 1,1-Dichloroethene	2.36	96	12061m	2.791 ug/L	
13) Acetone	2.42	43	9024	4.315 ug/L	81
14) Carbon disulfide	2.56	76	28238	2.063 ug/L	96
15) Methyl Acetate	2.75	43	9749m	1.897 ug/L	
16) Methylene chloride	2.84	84	12572	2.567 ug/L	87
17) trans-1,2-Dichloroethene	3.14	96	9444	2.038 ug/L	95
18) Methyl tert-butyl Ether	3.16	73	26403	1.825 ug/L	98
19) 1,1-Dichloroethane	3.67	63	17820	2.052 ug/L	95
20) cis-1,2-Dichloroethene	4.57	96	11047m	2.230 ug/L	
22) 2-Butanone	4.65	43	13006	3.793 ug/L	86

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090220\
 Data File : VX018216.D
 Acq On : 02 Sep 2020 15:27
 Operator : JC/SP
 Sample : MDL04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL04

Manual Integrations
 APPROVED

MMDadoda
 9/3/2020 9:54:02 AM

Quant Time: Sep 03 05:20:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXML090220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 03 05:15:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.98	128	6077	2.192	ug/L	81
25) Chloroform	5.18	83	40322	4.059	ug/L	92
27) 1,2-Dichloroethane	6.17	62	16568	2.201	ug/L	98
29) Cyclohexane	5.55	56	13770m	2.014	ug/L	
30) 1,1,1-Trichloroethane	5.46	97	17582m	2.061	ug/L	
31) Carbon tetrachloride	5.75	117	15260	1.964	ug/L	99
33) Benzene	6.12	78	36012	2.003	ug/L	100
34) Trichloroethene	7.19	95	10773	2.135	ug/L #	88
35) Methylcyclohexane	7.45	83	13306	1.897	ug/L	100
37) 1,2-Dichloropropane	7.49	63	10127	2.127	ug/L #	95
38) Bromodichloromethane	7.88	83	13735	2.026	ug/L	96
39) cis-1,3-Dichloropropene	8.42	75	15168	2.043	ug/L	94
40) 4-Methyl-2-pentanone	8.62	43	23842	3.694	ug/L	96
42) Toluene	8.77	91	36932	1.914	ug/L	96
44) trans-1,3-Dichloropropene	9.02	75	14632	1.874	ug/L	100
45) 1,1,2-Trichloroethane	9.20	97	9513	1.991	ug/L	87
46) Tetrachloroethene	9.32	164	8338	2.073	ug/L	92
48) 2-Hexanone	9.48	43	19703m	3.776	ug/L	
49) Dibromochloromethane	9.57	129	11462	1.957	ug/L	99
50) 1,2-Dibromoethane	9.65	107	10656	2.106	ug/L	97
51) Chlorobenzene	10.12	112	25561	1.945	ug/L	96
52) Ethylbenzene	10.24	91	37709	1.753	ug/L	98
53) m,p-Xylene	10.34	106	14889	1.812	ug/L	85
54) o-xylene	10.68	106	13227	1.686	ug/L	93
55) Styrene	10.70	104	21356	1.576	ug/L	93
56) Isopropylbenzene	11.00	105	34037	1.622	ug/L	99
58) 1,1,2,2-Tetrachloroethane	11.25	83	14991	2.136	ug/L #	86
59) 1,2,3-Trichloropropane	11.28	75	11847	1.948	ug/L	93
61) Bromoform	10.84	173	7467	1.829	ug/L #	38
62) 1,3-Dichlorobenzene	12.01	146	17658	1.868	ug/L	95
63) 1,4-Dichlorobenzene	12.09	146	19494	2.025	ug/L	92
65) 1,2-Dichlorobenzene	12.38	146	20276	2.226	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.98	75	4304	2.527	ug/L	95
67) 1,3,5-Trichlorobenzene	13.15	180	12788	2.073	ug/L	95
68) 1,2,4-trichlorobenzene	13.63	180	10782	1.894	ug/L	98
69) Naphthalene	13.82	128	29843	1.658	ug/L	97
70) 1,2,3-Trichlorobenzene	14.00	180	11668	2.049	ug/L	91

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

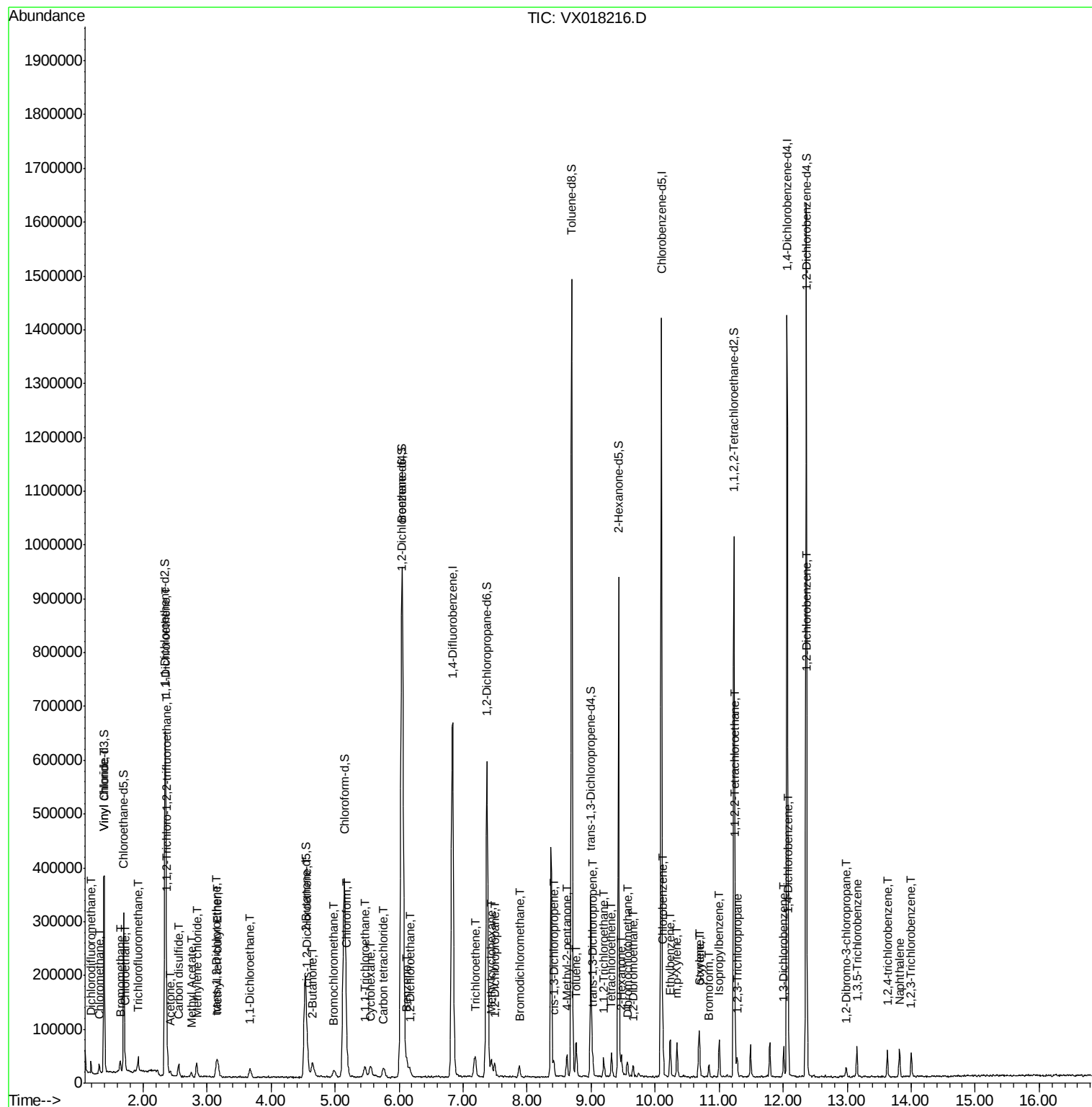
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX090220\
Data File : VX018216.D
Acq On : 02 Sep 2020 15:27
Operator : JC/SP
Sample : MDL04
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 14 Sample Multiplier: 1

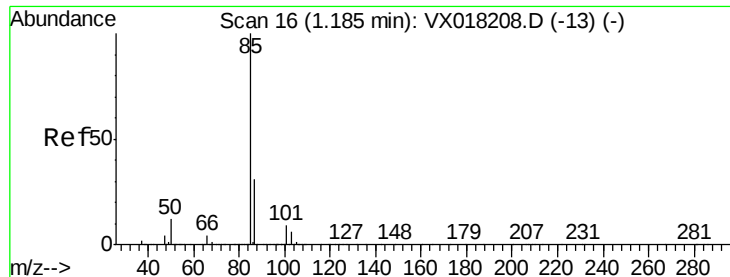
Instrument :
MSVOA_X
ClientSampleId :
MDL04

Manual Integrations
APPROVED

MMDadoda
9/3/2020 9:54:02 AM

Quant Time: Sep 03 05:20:24 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\SOMXLM090220WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Sep 03 05:15:01 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 2.062 ug/L

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX018216.D

Acq: 02 Sep 2020 15:27

Instrument :

MSVOA_X

ClientSampleId :

MDL04

Tot Ion: 85 Resp: 11524

Ion Ratio Lower Upper

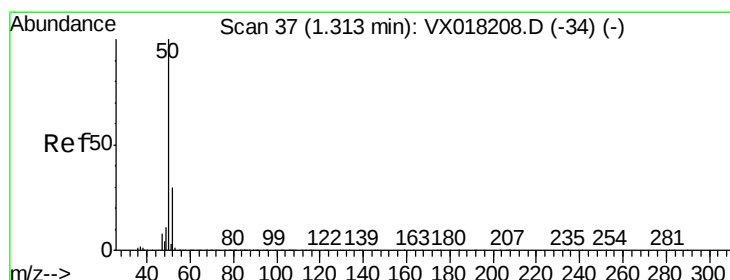
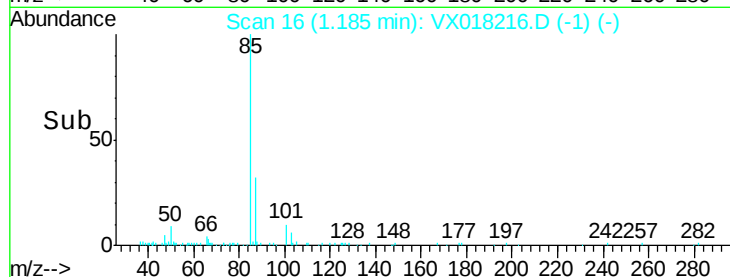
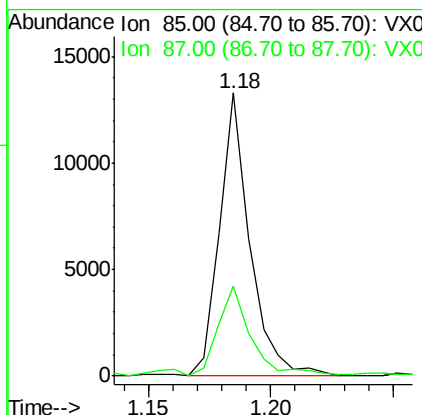
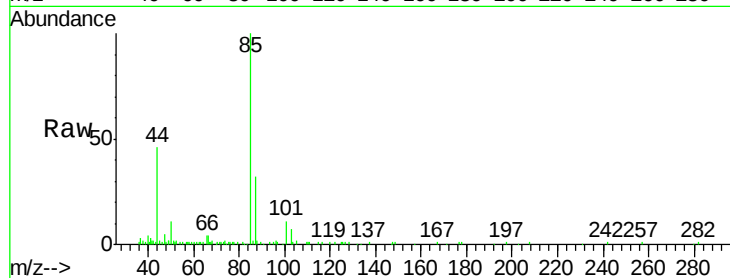
85 100

87 32.2 25.2 37.8

Manual Integrations
APPROVED

MMDadoda

9/3/2020 9:54:02 AM



#3

Chloromethane

Concen: 2.044 ug/L

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX018216.D

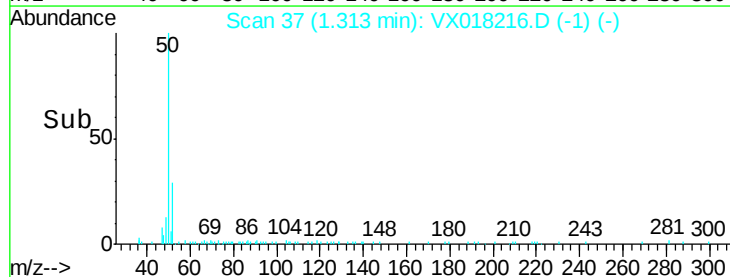
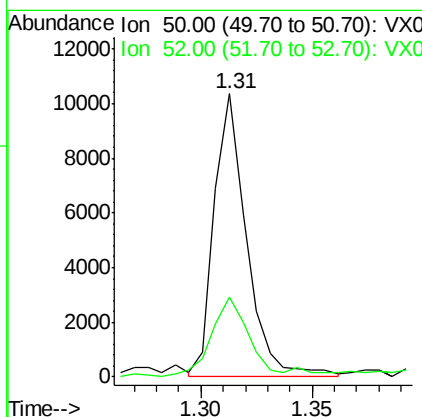
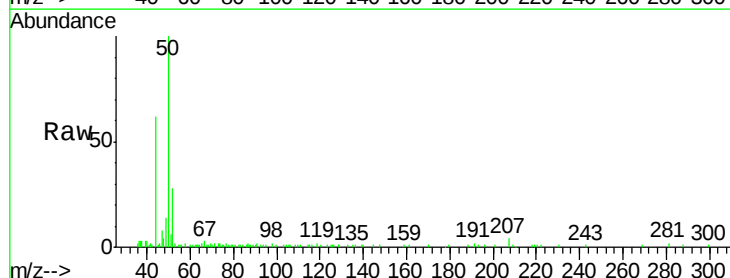
Acq: 02 Sep 2020 15:27

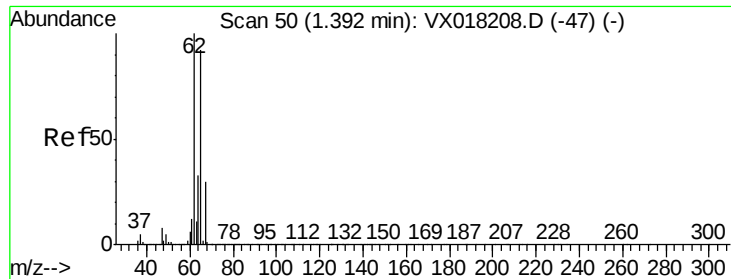
Tgt Ion: 50 Resp: 10463

Ion Ratio Lower Upper

50 100

52 28.4 21.0 39.0





#5

Vinyl chloride

Concen: 2.198 ug/L m

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX018216.D

Acq: 02 Sep 2020 15:27

Instrument :

MSVOA_X

ClientSampleId :

MDL04

Tot Ion: 62 Resp: 11188

Ion Ratio Lower Upper

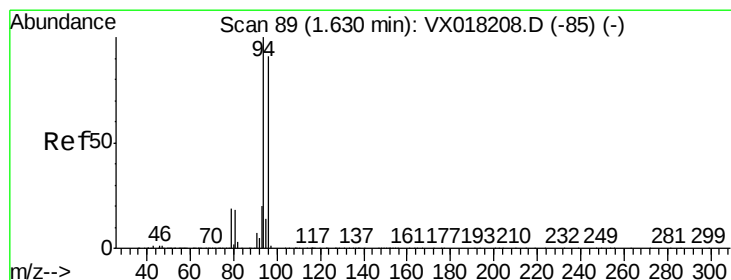
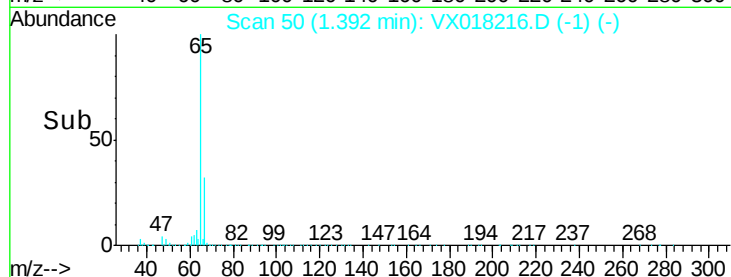
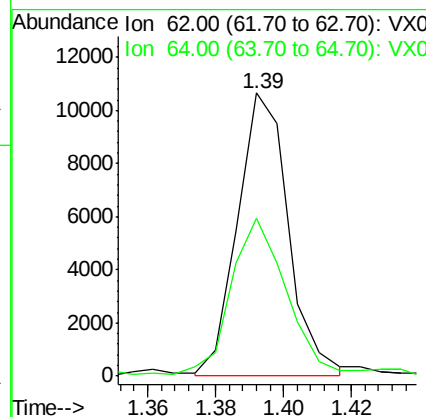
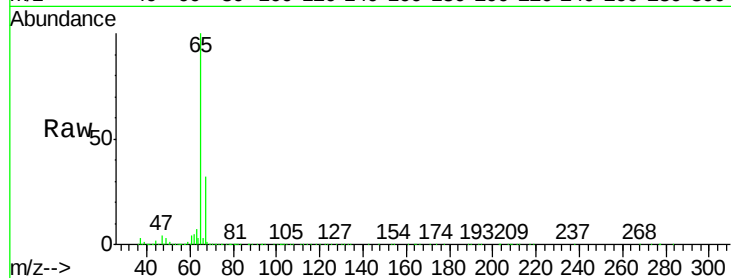
62 100

64 56.0 23.2 43.2#

Manual Integrations
APPROVED

MMDadoda

9/3/2020 9:54:02 AM



#6

Bromomethane

Concen: 2.245 ug/L

RT: 1.64 min Scan# 91

Delta R.T. 0.01 min

Lab File: VX018216.D

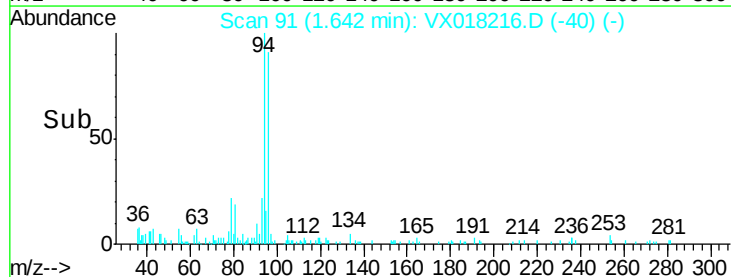
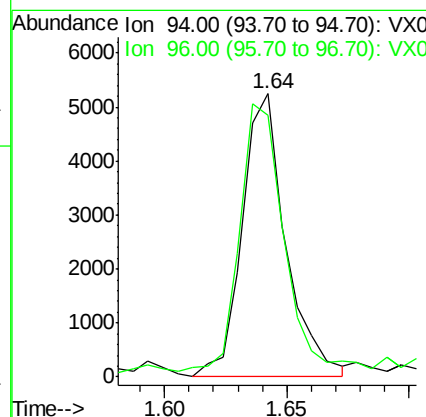
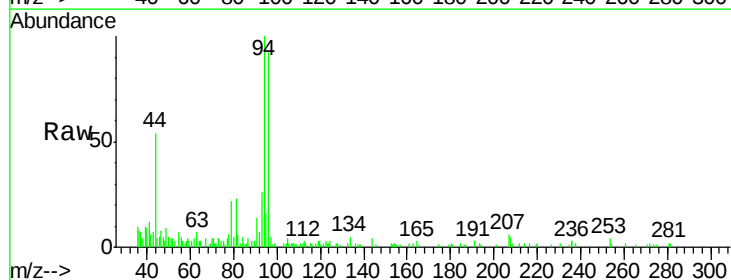
Acq: 02 Sep 2020 15:27

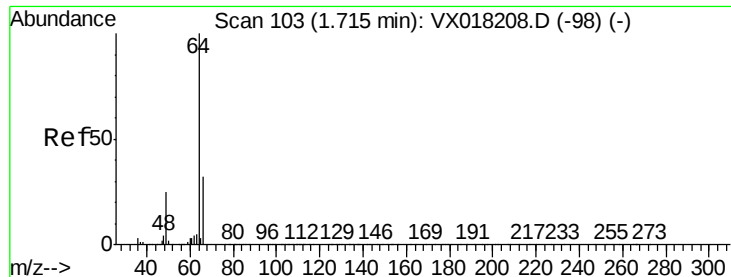
Tgt Ion: 94 Resp: 6533

Ion Ratio Lower Upper

94 100

96 92.4 63.9 118.7





#8

Chloroethane

Concen: 2.122 ug/L

RT: 1.72 min Scan# 104

Delta R.T. 0.01 min

Lab File: VX018216.D

Acq: 02 Sep 2020 15:27

Instrument :

MSVOA_X

ClientSampled :

MDL04

Tot Ion: 64 Resp: 6351

Ion Ratio Lower Upper

64 100

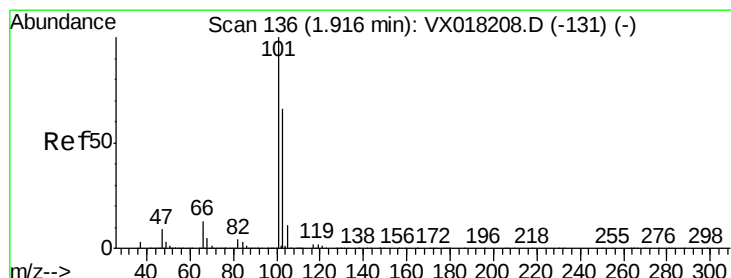
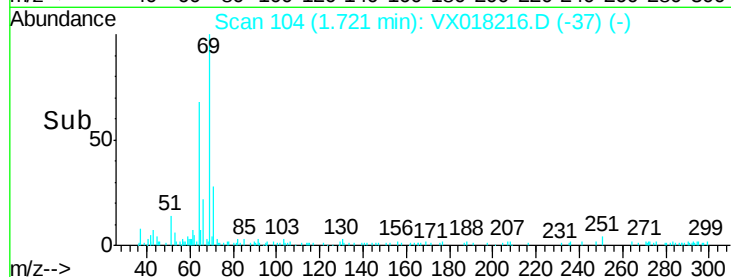
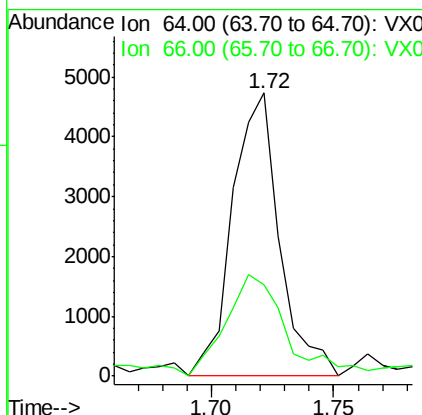
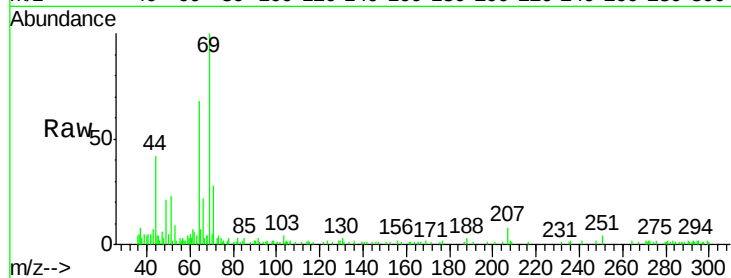
66 32.2 22.5 41.7

Manual Integrations

APPROVED

MMDadoda

9/3/2020 9:54:02 AM



#9

Trichlorofluoromethane

Concen: 1.996 ug/L

RT: 1.92 min Scan# 137

Delta R.T. 0.01 min

Lab File: VX018216.D

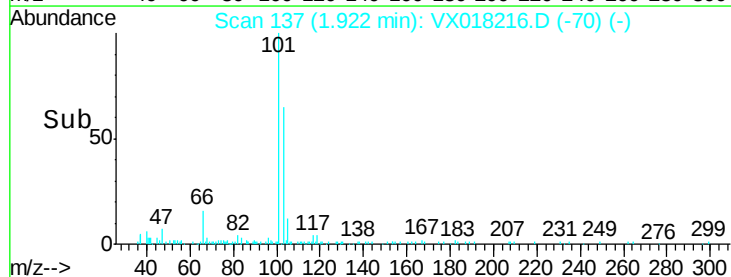
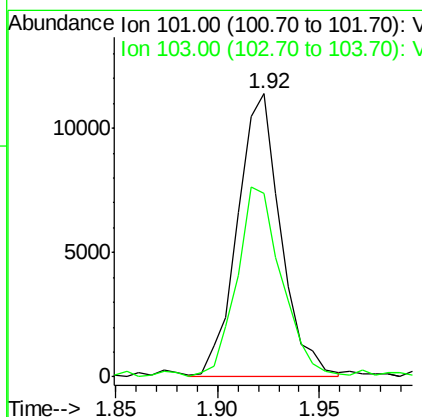
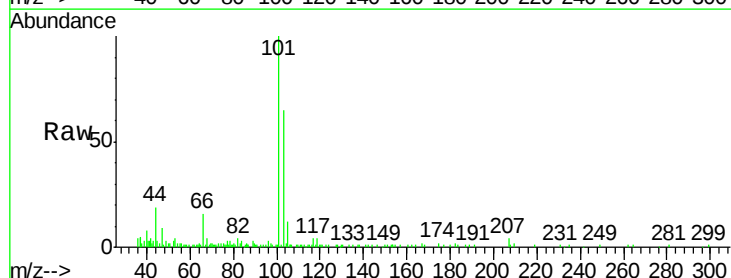
Acq: 02 Sep 2020 15:27

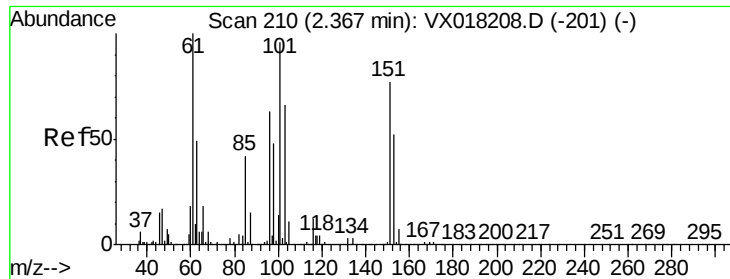
Tgt Ion: 101 Resp: 16862

Ion Ratio Lower Upper

101 100

103 69.4 51.4 77.2





#10

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

Concen: 2.677 ug/L

RT: 2.37 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX018216.D

Acq: 02 Sep 2020 15:27

Instrument :

MSVOA_X

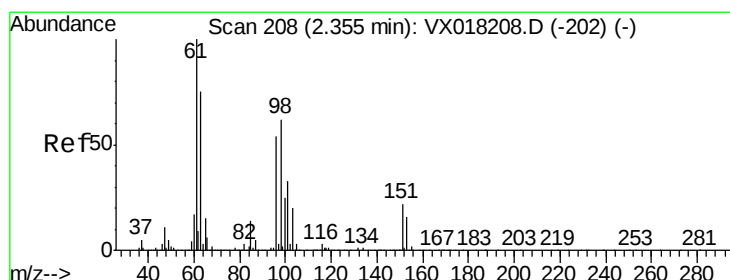
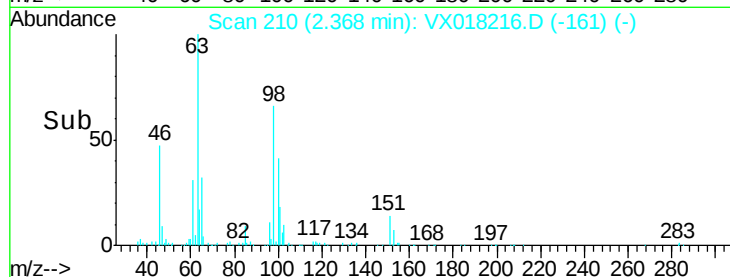
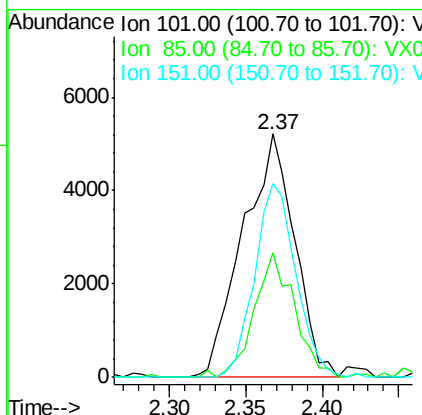
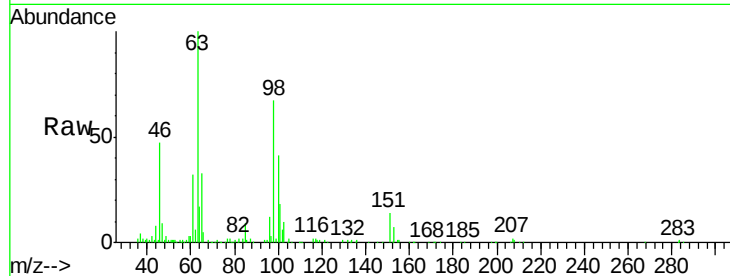
ClientSampleId :

MDL04

Tot Ion:	101	Resp:	12293
Ion Ratio	Lower	Upper	
101	100		
85	39.3	35.8	53.6
151	63.4	61.6	92.4

Manual Integrations
APPROVED

MMDadoda
9/3/2020 9:54:02 AM



#12

1,1-Dichloroethene

Concen: 2.791 ug/L m

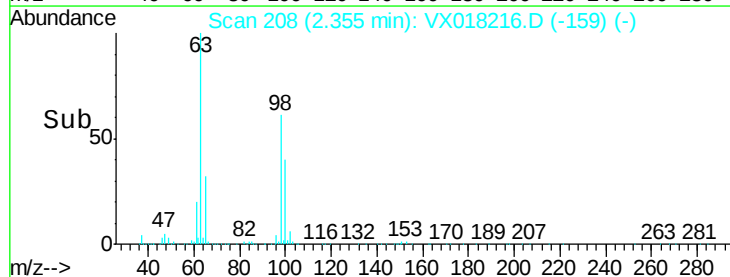
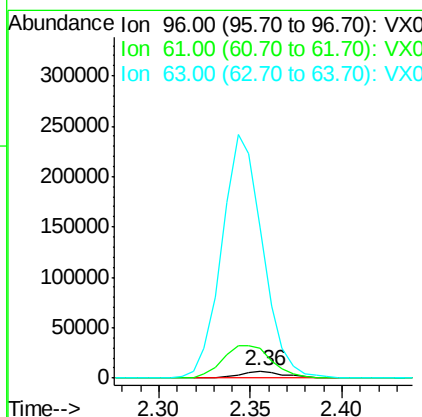
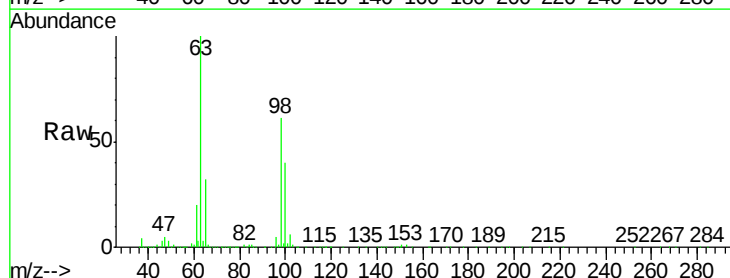
RT: 2.36 min Scan# 208

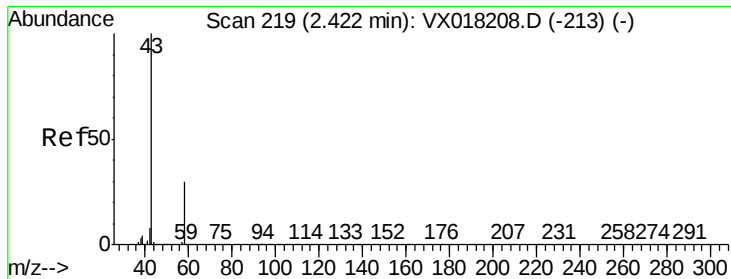
Delta R.T. 0.00 min

Lab File: VX018216.D

Acq: 02 Sep 2020 15:27

Tgt Ion:	96	Resp:	12061
Ion Ratio	Lower	Upper	
96	100		
61	443.7	130.5	242.5#
63	2188.3	103.0	191.2#





#13

Acetone

Concen: 4.315 ug/L

RT: 2.42 min Scan# 219

Delta R.T. 0.00 min

Lab File: VX018216.D

Acq: 02 Sep 2020 15:27

Instrument :

MSVOA_X

ClientSampled :

MDL04

Tot Ion: 43 Resp: 9024

Ion Ratio Lower Upper

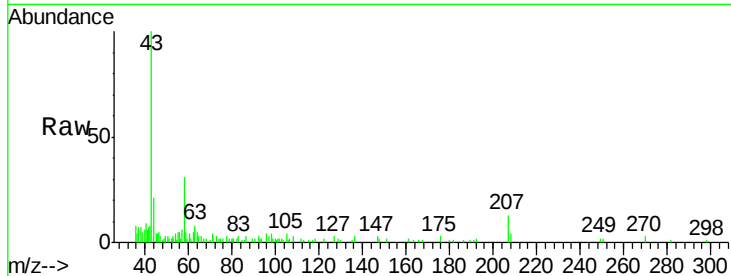
43 100

58 40.0 0.0 59.2

Manual Integrations
APPROVED

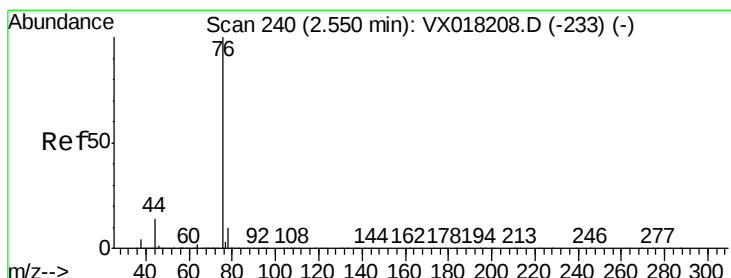
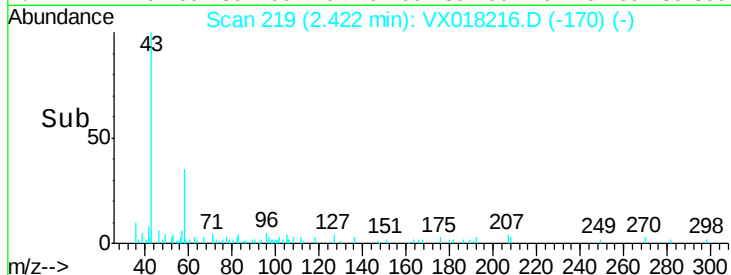
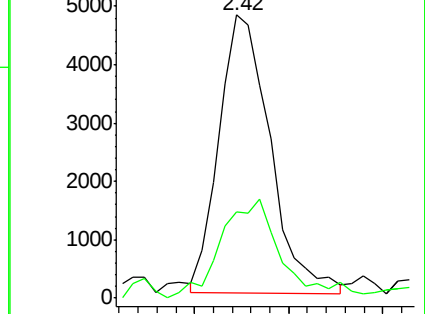
MMDadoda

9/3/2020 9:54:02 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#14

Carbon disulfide

Concen: 2.063 ug/L

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX018216.D

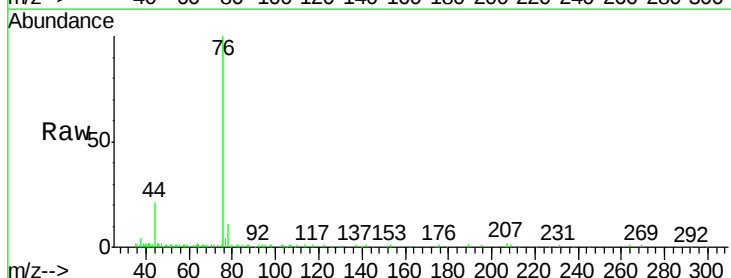
Acq: 02 Sep 2020 15:27

Tgt Ion: 76 Resp: 28238

Ion Ratio Lower Upper

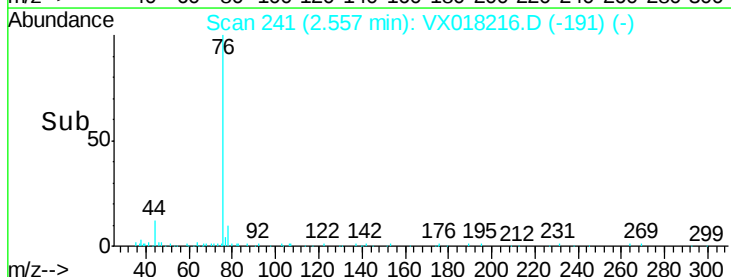
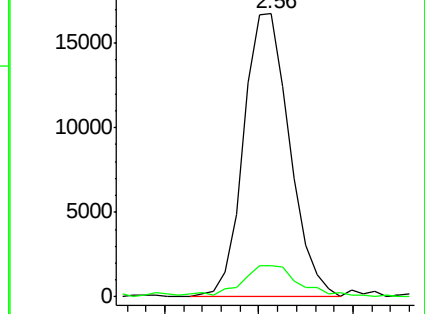
76 100

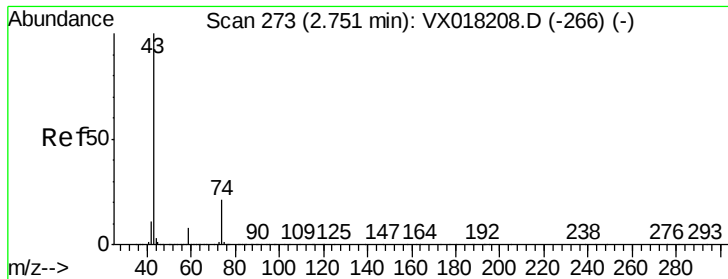
78 11.0 7.7 11.5



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





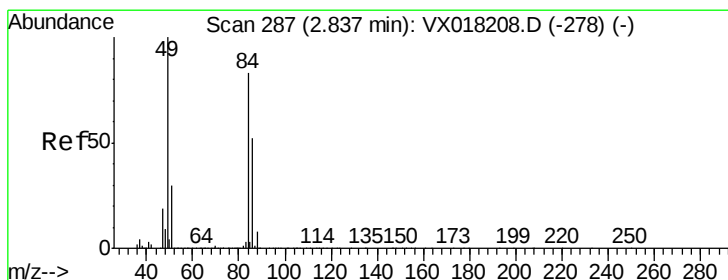
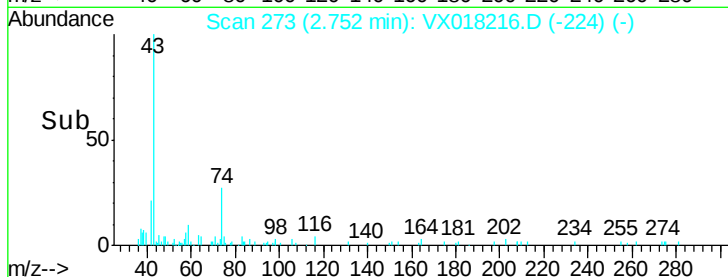
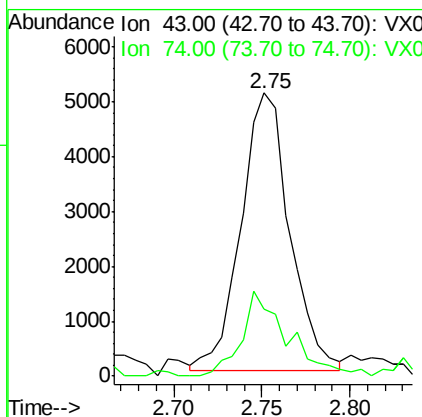
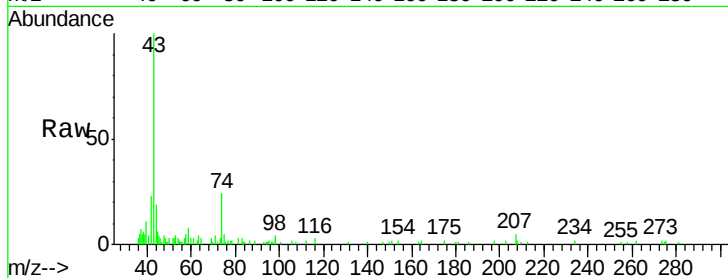
#15
Methyl Acetate
Concen: 1.897 ug/L m
RT: 2.75 min Scan# 273
Delta R.T. 0.00 min
Lab File: VX018216.D
Acq: 02 Sep 2020 15:27

Instrument :
MSVOA_X
ClientSampleId :
MDL04

Tot Ion	Ratio	Lower	Upper
43	100		
74	0.7	17.8	26.8#

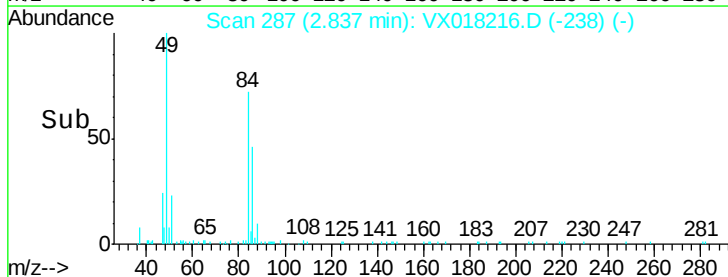
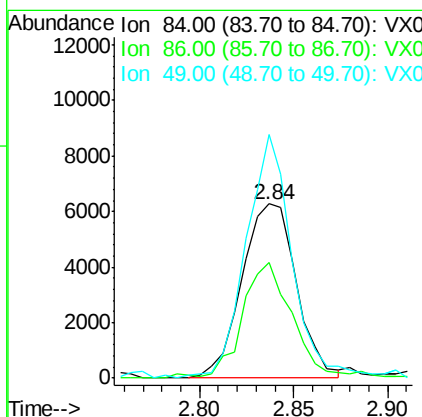
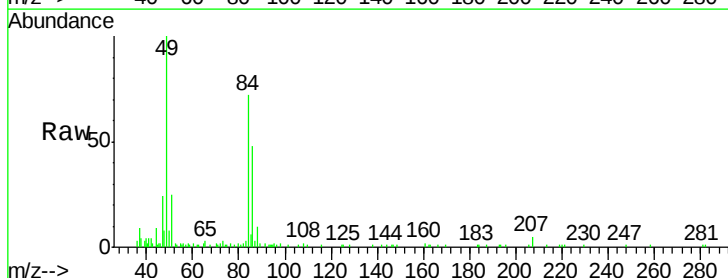
Manual Integrations
APPROVED

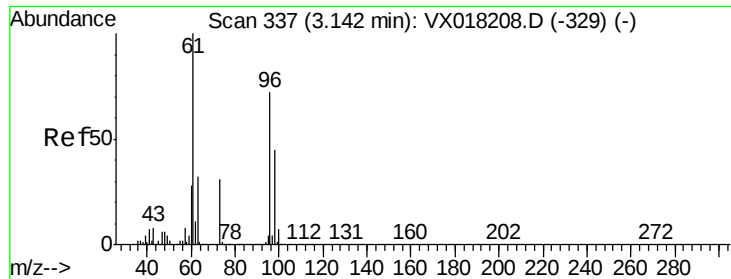
MMDadoda
9/3/2020 9:54:02 AM



#16
Methylene chloride
Concen: 2.567 ug/L
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX018216.D
Acq: 02 Sep 2020 15:27

Tgt Ion	Ratio	Lower	Upper
84	100		
86	66.3	43.6	81.0
49	139.6	84.5	156.9





#17

trans-1,2-Dichloroethene

Concen: 2.038 ug/L

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX018216.D

Acq: 02 Sep 2020 15:27

Instrument :

MSVOA_X

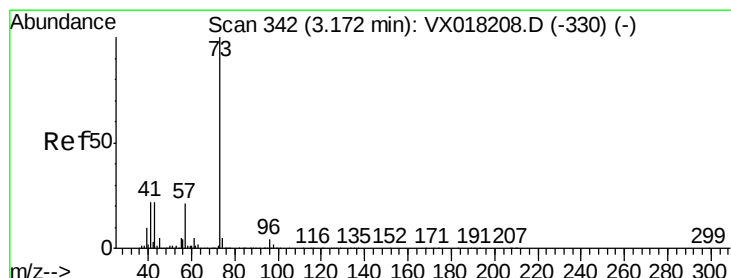
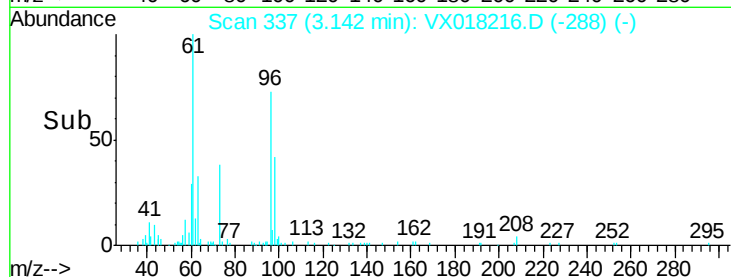
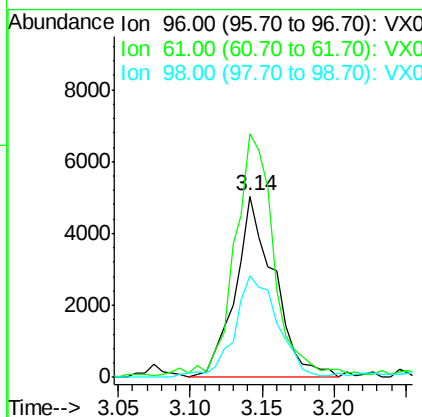
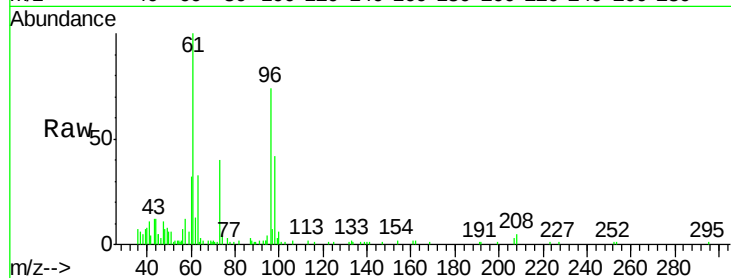
ClientSampleId :

MDL04

Tot Ion:	96	Resp:	9444
Ion	Ratio	Lower	Upper
96	100		
61	134.3	97.1	180.3
98	55.9	43.9	81.5

Manual Integrations
APPROVED

MMDadoda
9/3/2020 9:54:02 AM



#18

Methyl tert-butyl Ether

Concen: 1.825 ug/L

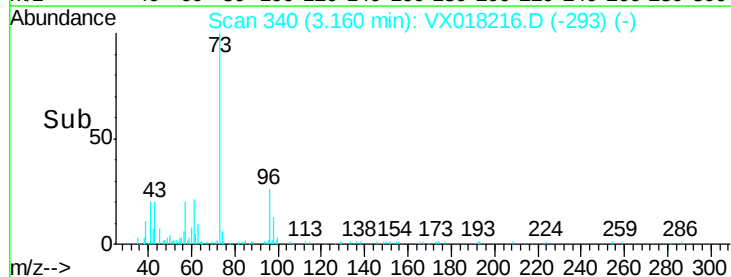
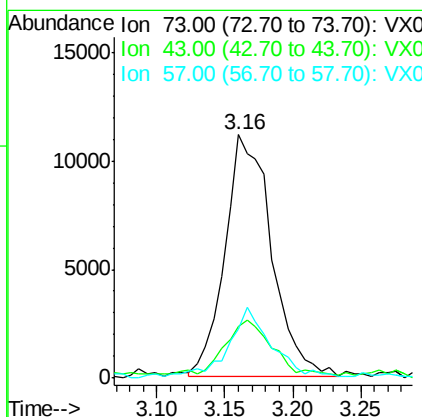
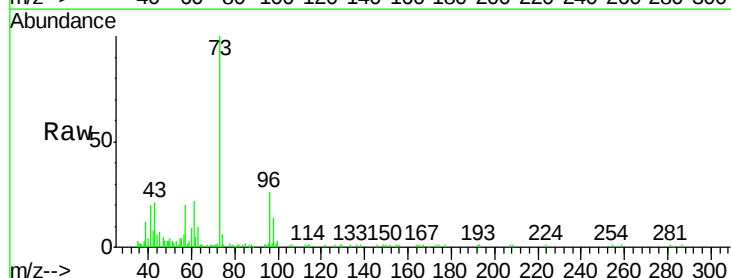
RT: 3.16 min Scan# 340

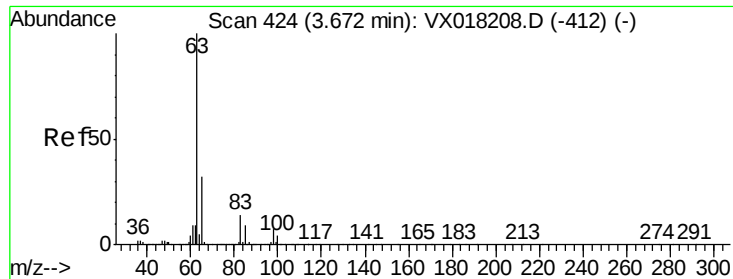
Delta R.T. -0.01 min

Lab File: VX018216.D

Acq: 02 Sep 2020 15:27

Tgt Ion:	73	Resp:	26403
Ion	Ratio	Lower	Upper
73	100		
43	23.1	17.4	26.2
57	21.6	17.1	25.7





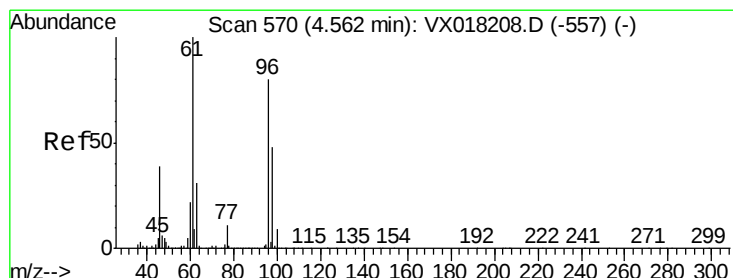
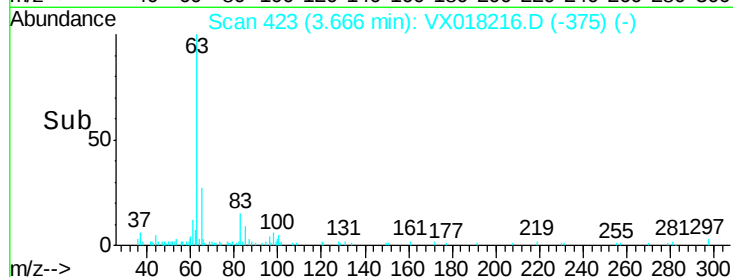
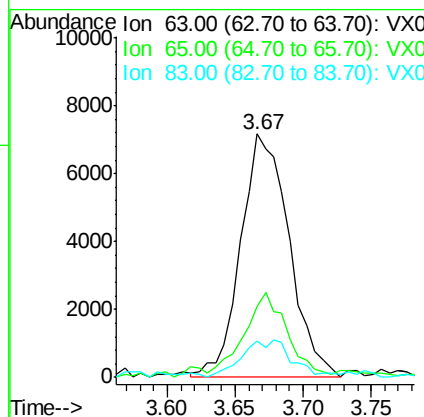
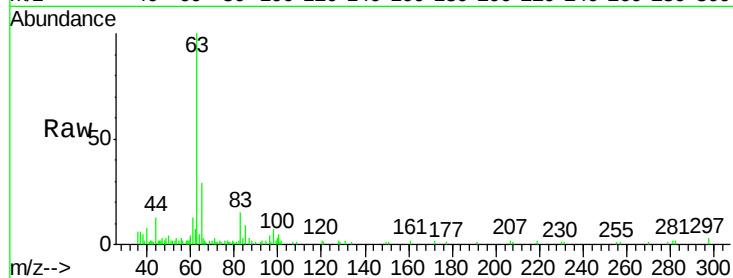
#19
1,1-Dichloroethane
Concen: 2.052 ug/L
RT: 3.67 min Scan# 423
Delta R.T. -0.01 min
Lab File: VX018216.D
Acq: 02 Sep 2020 15:27

Instrument :
MSVOA_X
ClientSampleId :
MDL04

Tot Ion	Ion	Ratio	Resp	Lower	Upper
63	100		17820		
65	29.2	22.7	42.3		
83	15.1	9.7	18.1		

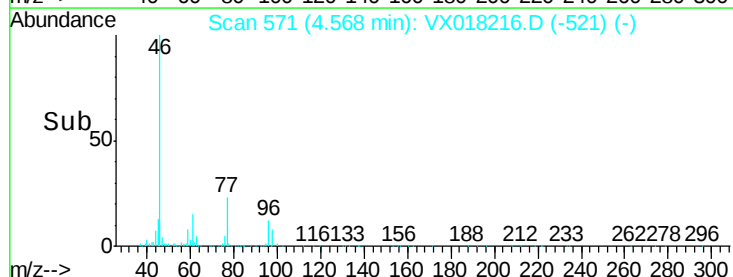
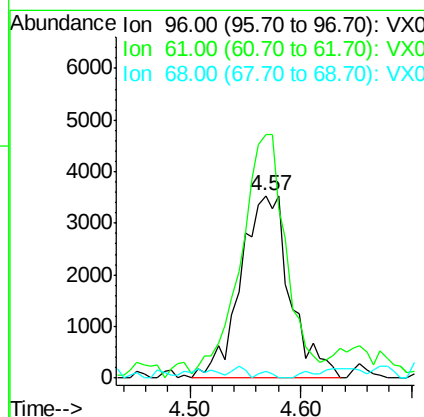
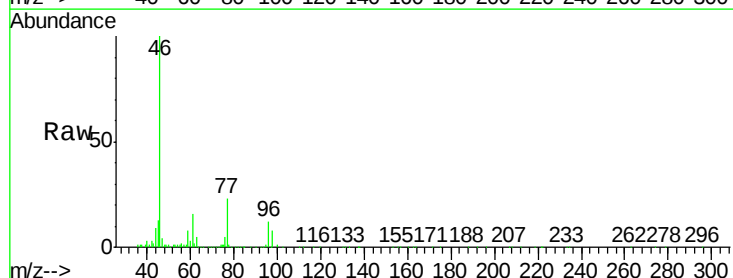
Manual Integrations
APPROVED

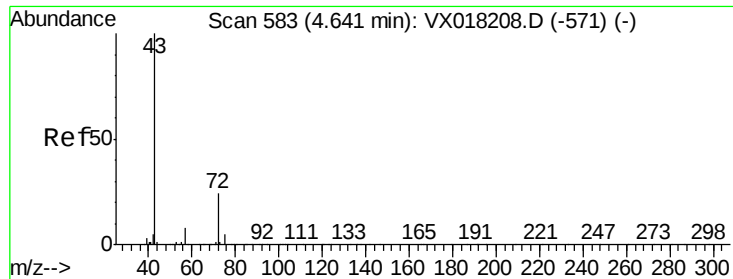
MMDadoda
9/3/2020 9:54:02 AM



#20
cis-1,2-Dichloroethene
Concen: 2.230 ug/L m
RT: 4.57 min Scan# 571
Delta R.T. 0.01 min
Lab File: VX018216.D
Acq: 02 Sep 2020 15:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	100		11047		
61	133.2	88.0	163.4		
68	3.5	0.1	0.1#		





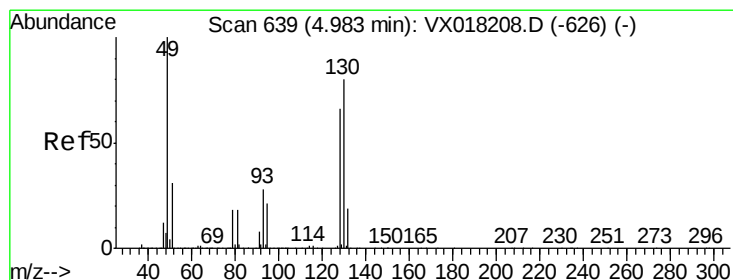
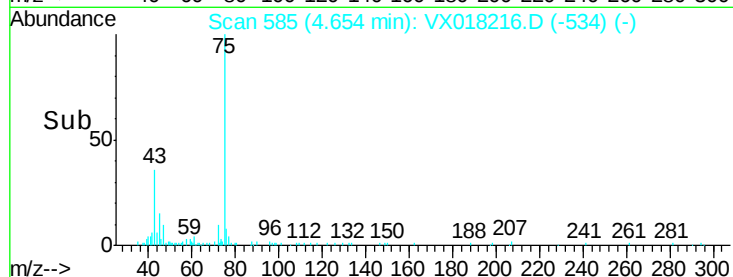
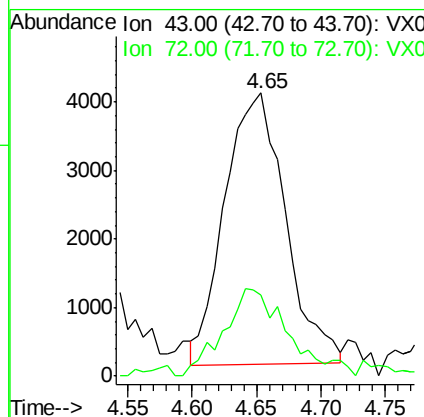
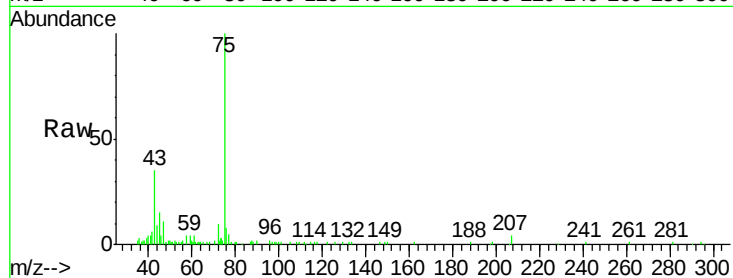
#22
2-Butanone
Concen: 3.793 ug/L
RT: 4.65 min Scan# 585
Delta R.T. 0.01 min
Lab File: VX018216.D
Acq: 02 Sep 2020 15:27

Instrument :
MSVOA_X
ClientSampleId :
MDL04

Tot Ion: 43 Resp: 13006
Ion Ratio Lower Upper
43 100
72 32.5 12.7 38.1

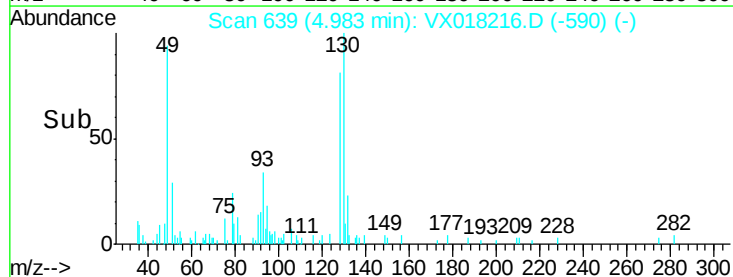
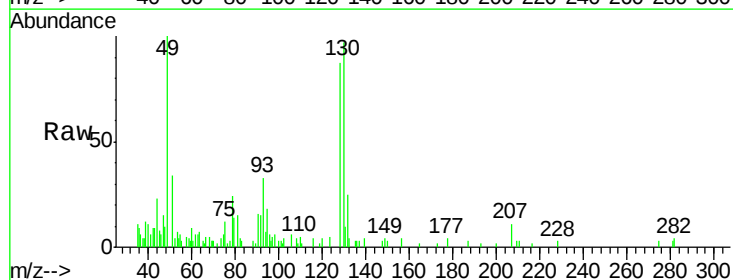
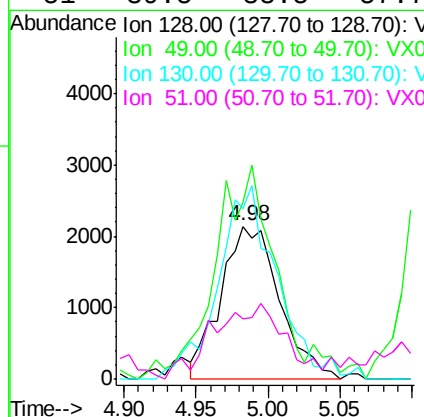
Manual Integrations
APPROVED

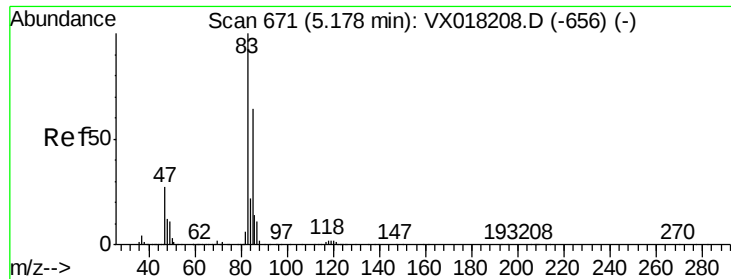
MMDadoda
9/3/2020 9:54:02 AM



#23
Bromochloromethane
Concen: 2.192 ug/L
RT: 4.98 min Scan# 639
Delta R.T. 0.00 min
Lab File: VX018216.D
Acq: 02 Sep 2020 15:27

Tgt Ion: 128 Resp: 6077
Ion Ratio Lower Upper
128 100
49 115.4 106.8 198.4
130 111.5 85.3 158.5
51 39.5 38.5 57.7





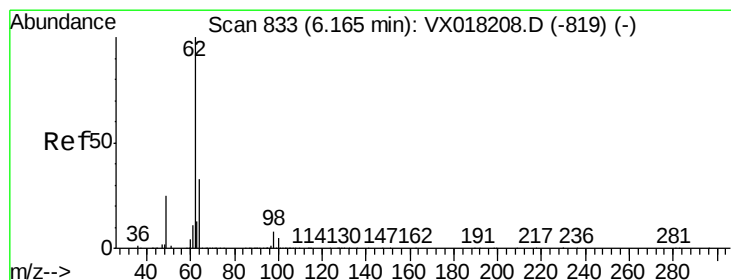
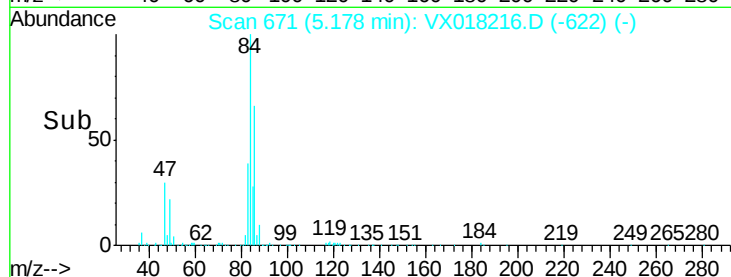
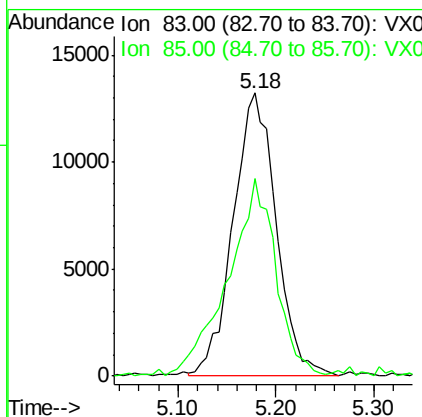
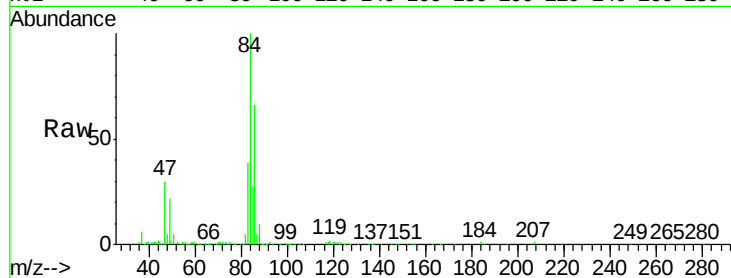
#25
Chloroform
Concen: 4.059 ug/L
RT: 5.18 min Scan# 671
Delta R.T. 0.00 min
Lab File: VX018216.D
Acq: 02 Sep 2020 15:27

Instrument :
MSVOA_X
ClientSampleId :
MDL04

Tot Ion	Ratio	Lower	Upper
83	100		
85	69.9	44.7	83.1

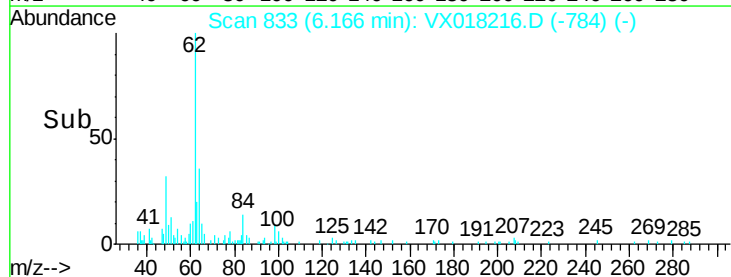
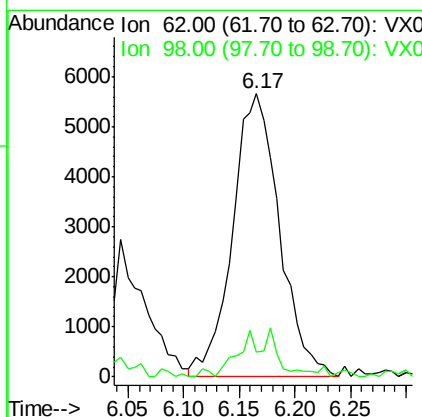
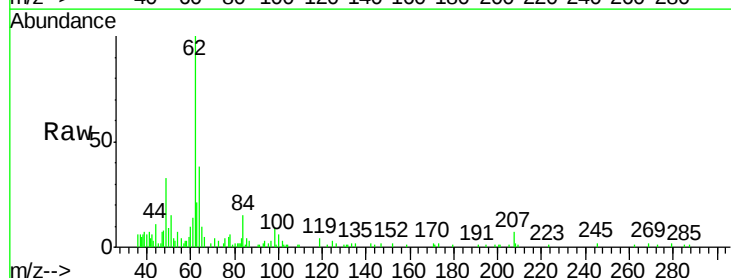
Manual Integrations
APPROVED

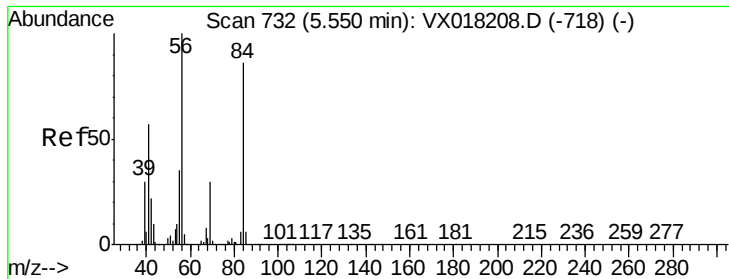
MMDadoda
9/3/2020 9:54:02 AM



#27
1,2-Dichloroethane
Concen: 2.201 ug/L
RT: 6.17 min Scan# 833
Delta R.T. 0.00 min
Lab File: VX018216.D
Acq: 02 Sep 2020 15:27

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.7	6.6	9.8





#29

Cyclohexane

Concen: 2.014 ug/L m

RT: 5.55 min Scan# 732

Delta R.T. 0.00 min

Lab File: VX018216.D

Acq: 02 Sep 2020 15:27

Instrument :

MSVOA_X

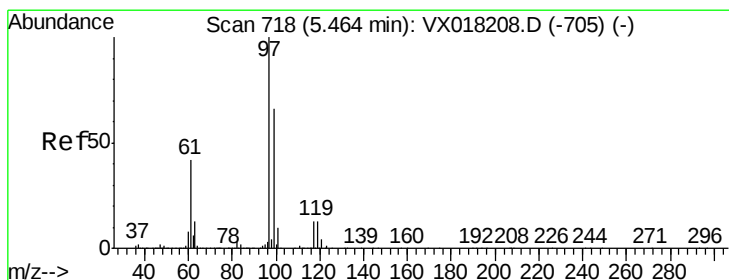
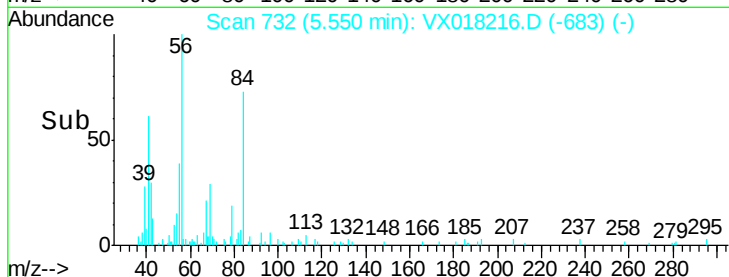
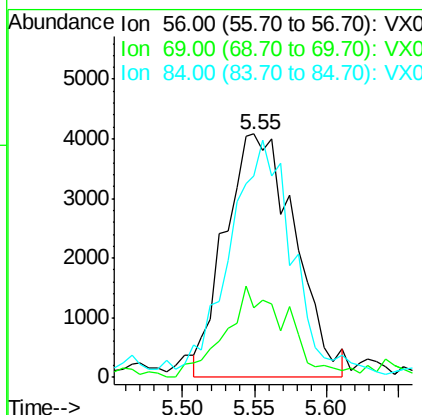
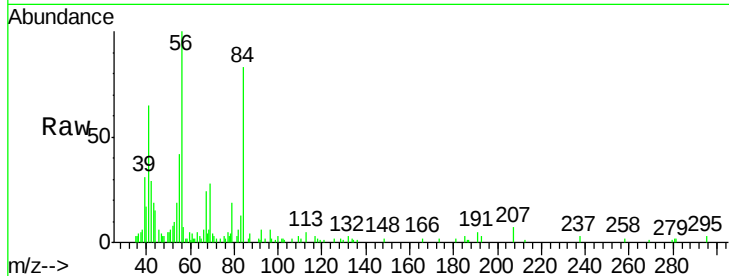
ClientSampled :

MDL04

Tot Ion:	56	Resp:	13770
Ion Ratio	Lower	Upper	
56	100		
69	16.7	25.4	38.2#
84	79.2	69.8	104.8

Manual Integrations
APPROVED

MMDadoda
9/3/2020 9:54:02 AM



#30

1,1,1-Trichloroethane

Concen: 2.061 ug/L m

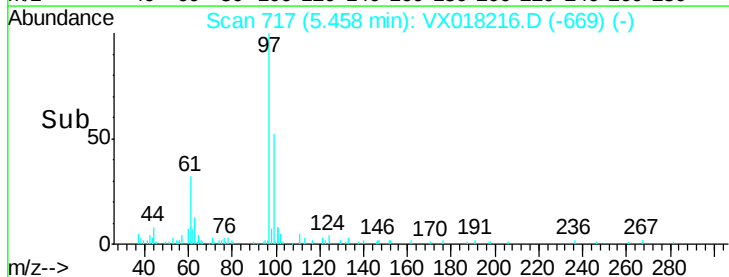
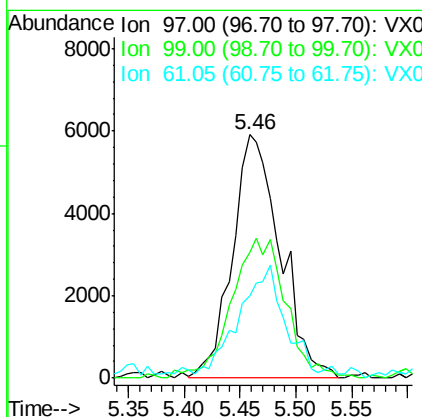
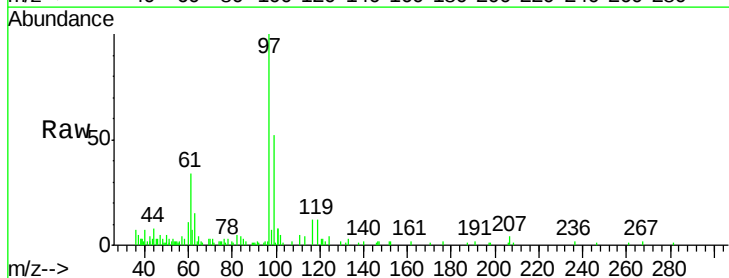
RT: 5.46 min Scan# 717

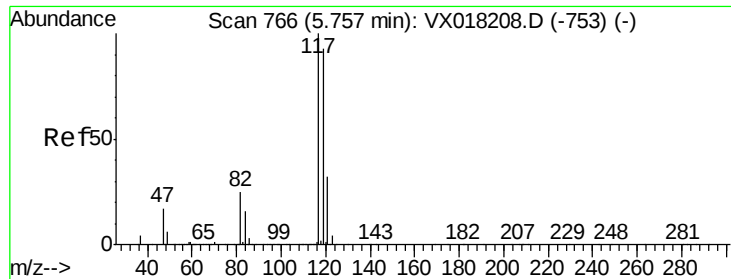
Delta R.T. -0.01 min

Lab File: VX018216.D

Acq: 02 Sep 2020 15:27

Tgt Ion:	97	Resp:	17582
Ion Ratio	Lower	Upper	
97	100		
99	35.8	51.7	77.5#
61	38.3	33.8	50.6





#31

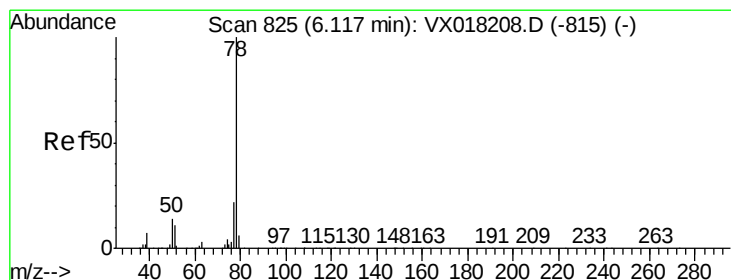
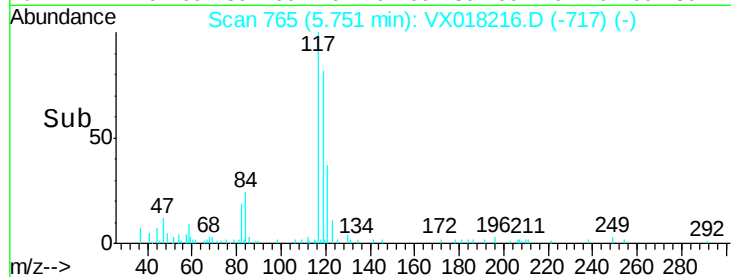
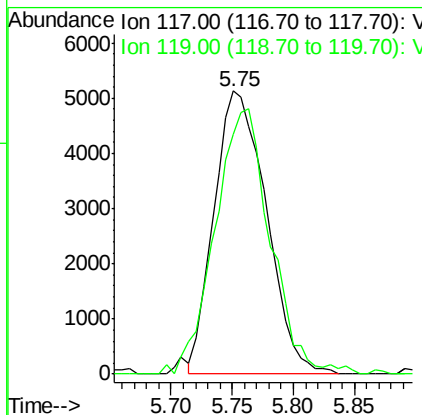
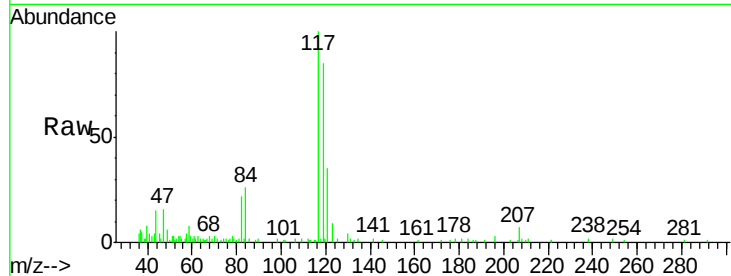
Carbon tetrachloride
Concen: 1.964 ug/L
RT: 5.75 min Scan# 765
Delta R.T. -0.01 min
Lab File: VX018216.D
Acq: 02 Sep 2020 15:27

Instrument :
MSVOA_X
ClientSampleId :
MDL04

Tot Ion	Ion	Ratio	Lower	Upper
117	100			
119	97.4	76.8	115.2	

Manual Integrations
APPROVED

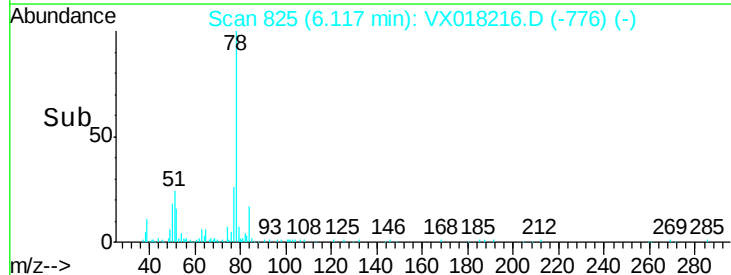
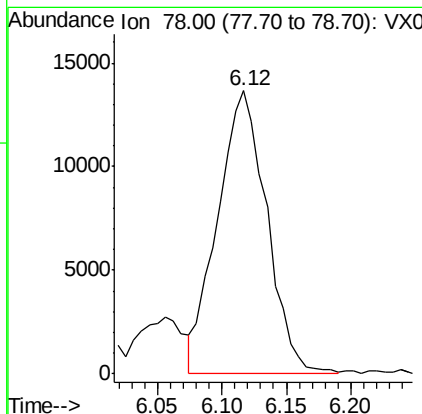
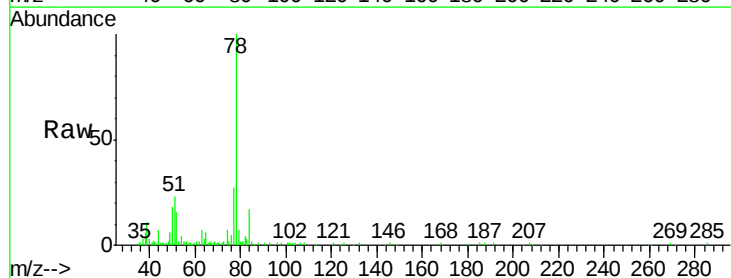
MMDadoda
9/3/2020 9:54:02 AM

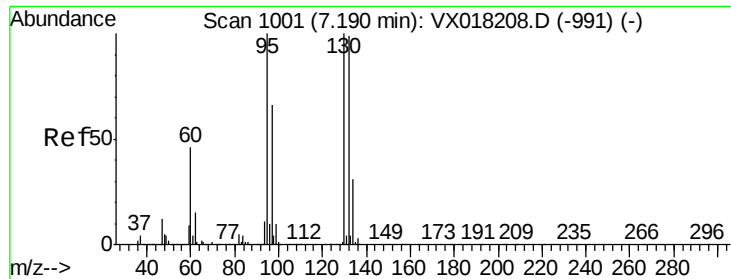


#33

Benzene
Concen: 2.003 ug/L
RT: 6.12 min Scan# 825
Delta R.T. 0.00 min
Lab File: VX018216.D
Acq: 02 Sep 2020 15:27

Tgt Ion: 78 Resp: 36012





#34

Trichloroethene

Concen: 2.135 ug/L

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX018216.D

Acq: 02 Sep 2020 15:27

Instrument :

MSVOA_X

ClientSampleId :

MDL04

Tot Ion: 95 Resp: 10773

Ion Ratio Lower Upper

95 100

97 89.2 46.2 85.8#

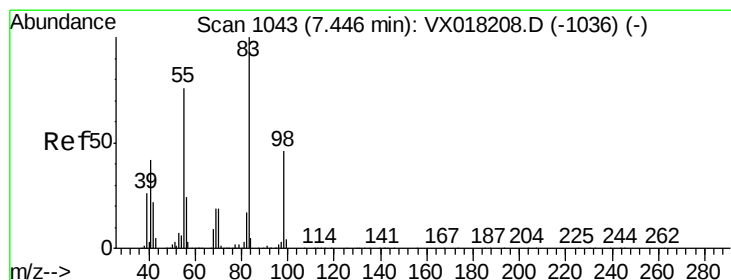
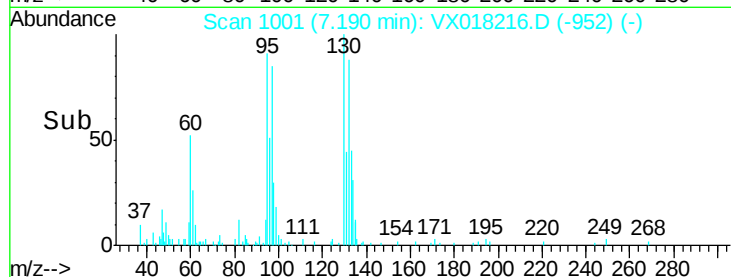
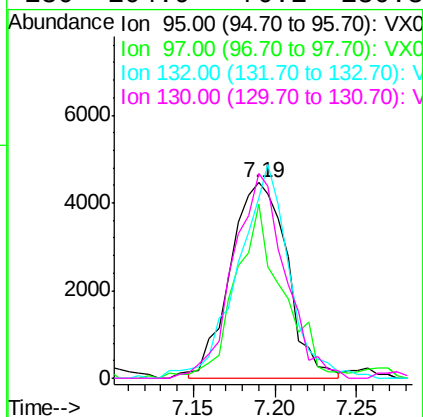
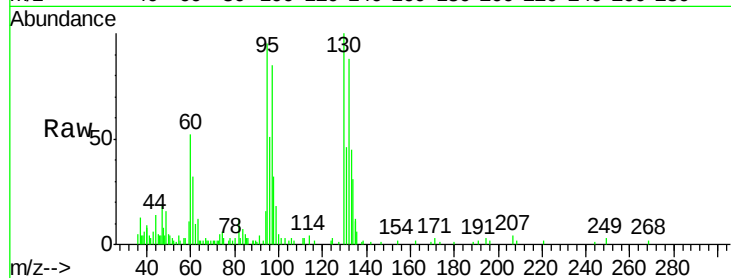
132 92.2 69.2 128.4

130 104.9 70.1 130.3

Manual Integrations
APPROVED

MMDadoda

9/3/2020 9:54:02 AM



#35

Methylcyclohexane

Concen: 1.897 ug/L

RT: 7.45 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX018216.D

Acq: 02 Sep 2020 15:27

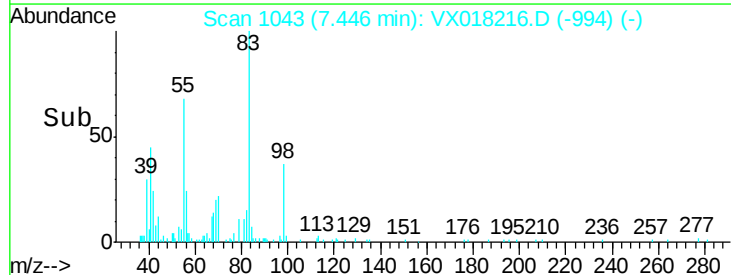
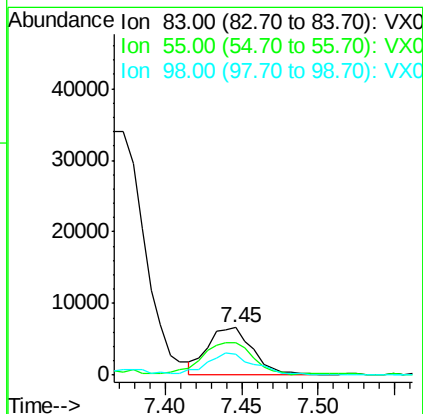
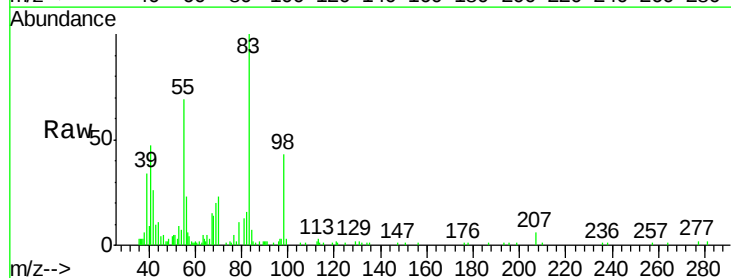
Tgt Ion: 83 Resp: 13306

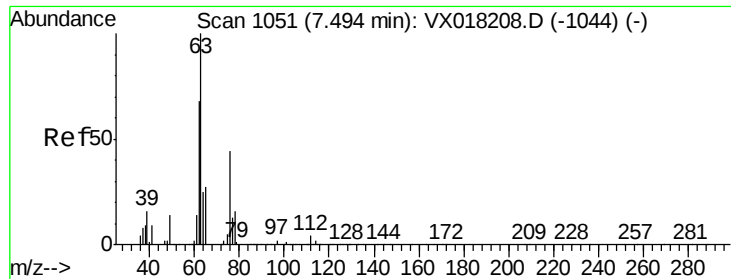
Ion Ratio Lower Upper

83 100

55 78.8 62.6 94.0

98 46.3 37.1 55.7





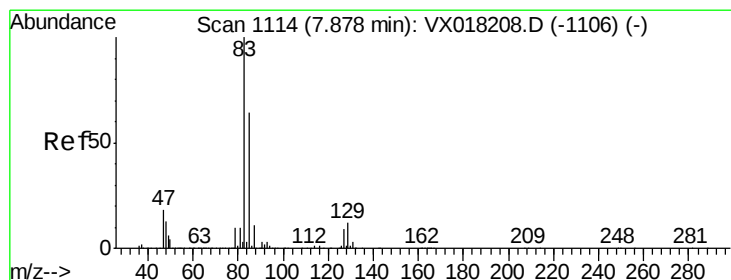
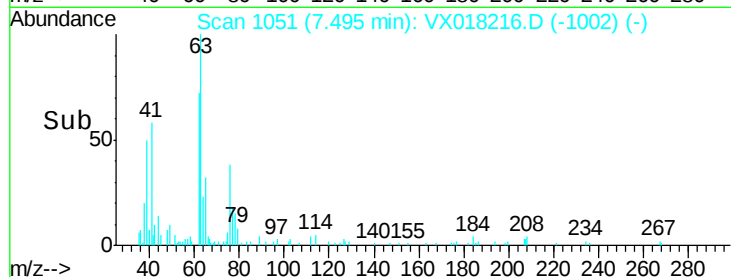
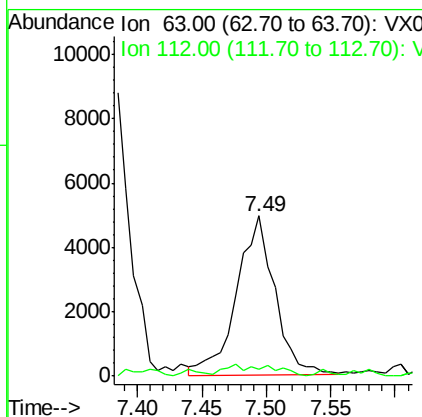
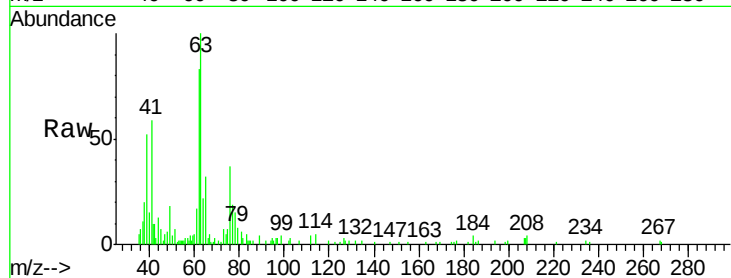
#37
 1,2-Dichloropropane
 Concen: 2.127 ug/L
 RT: 7.49 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VX018216.D
 Acq: 02 Sep 2020 15:27

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL04

Tot Ion	Ratio	Lower	Upper
63	100		
112	2.7	3.6	5.4#

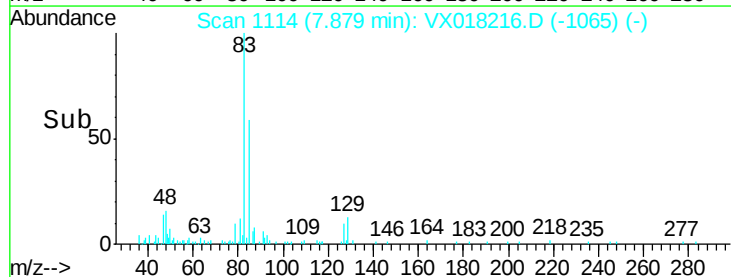
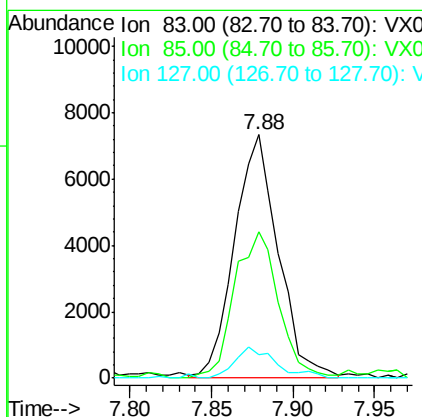
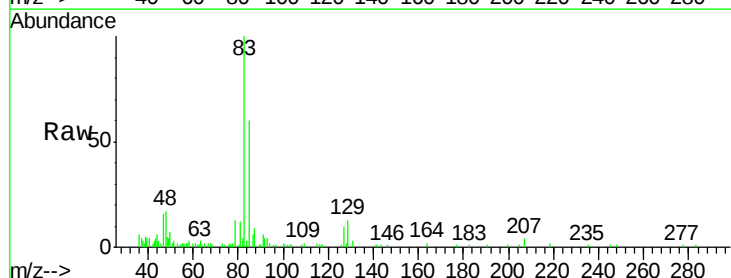
Manual Integrations
 APPROVED

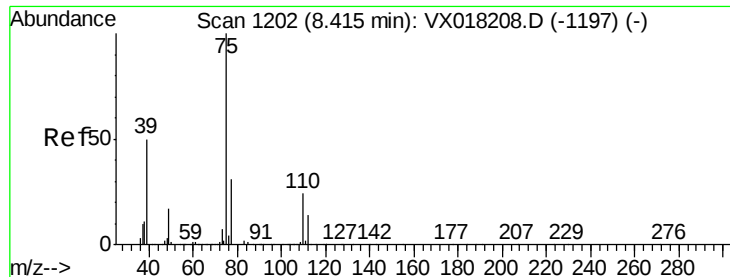
MMDadoda
 9/3/2020 9:54:02 AM



#38
 Bromodichloromethane
 Concen: 2.026 ug/L
 RT: 7.88 min Scan# 1114
 Delta R.T. 0.00 min
 Lab File: VX018216.D
 Acq: 02 Sep 2020 15:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.4	44.5	82.7
127	9.7	7.4	11.2





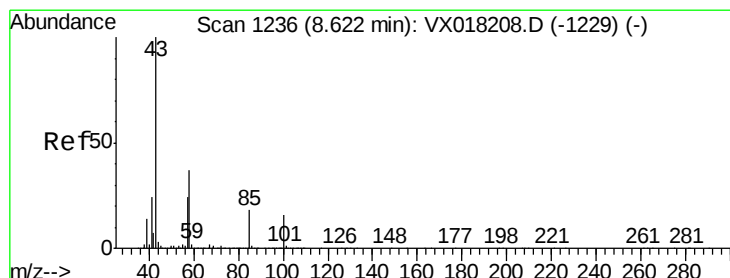
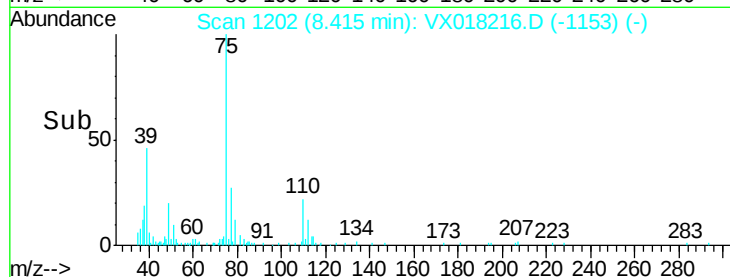
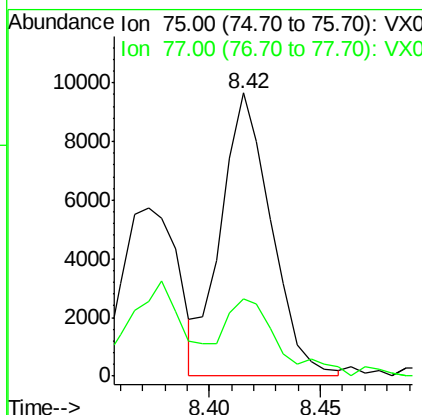
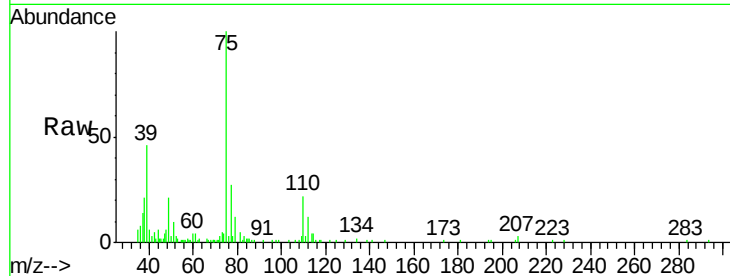
#39
 cis-1,3-Dichloropropene
 Concen: 2.043 ug/L
 RT: 8.42 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VX018216.D
 Acq: 02 Sep 2020 15:27

Instrument :
 MSVOA_X
 ClientSampled :
 MDL04

Tot Ion: 75 Resp: 15168
 Ion Ratio Lower Upper
 75 100
 77 27.5 21.7 40.3

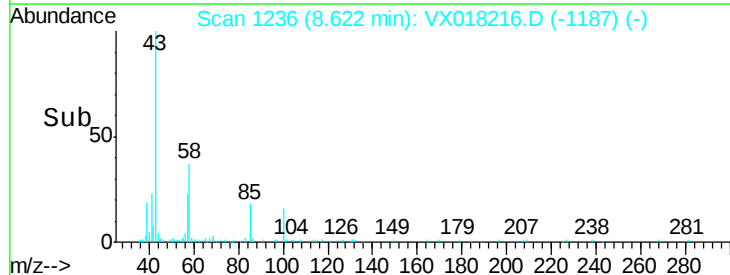
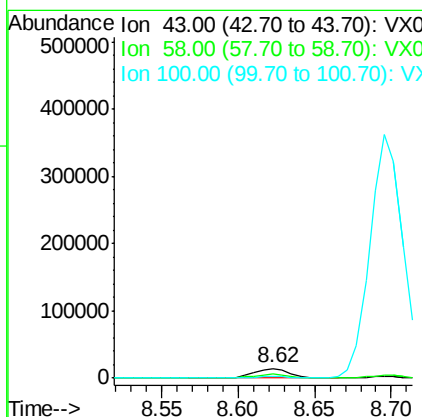
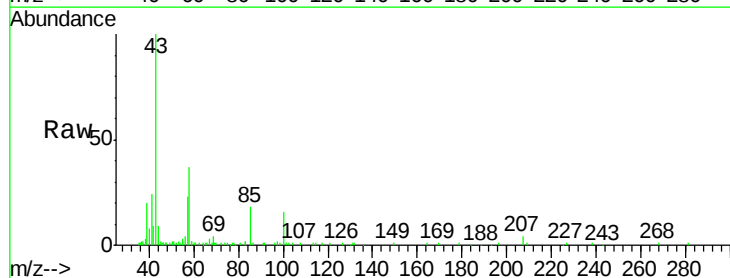
Manual Integrations
 APPROVED

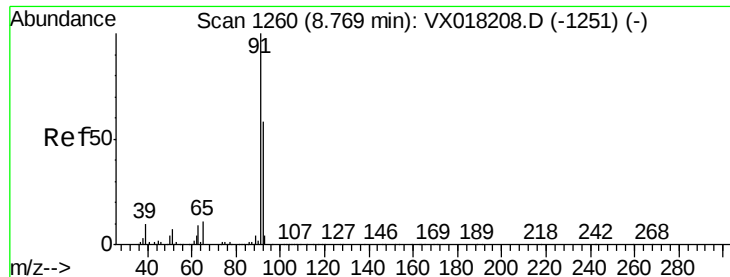
MMDadoda
 9/3/2020 9:54:02 AM



#40
 4-Methyl-2-pentanone
 Concen: 3.694 ug/L
 RT: 8.62 min Scan# 1236
 Delta R.T. 0.00 min
 Lab File: VX018216.D
 Acq: 02 Sep 2020 15:27

Tgt Ion: 43 Resp: 23842
 Ion Ratio Lower Upper
 43 100
 58 40.3 30.3 45.5
 100 15.8 11.9 17.9





#42

Toluene

Concen: 1.914 ug/L

RT: 8.77 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VX018216.D

Acq: 02 Sep 2020 15:27

Instrument :

MSVOA_X

ClientSampled :

MDL04

Tot Ion: 91 Resp: 36932

Ion Ratio Lower Upper

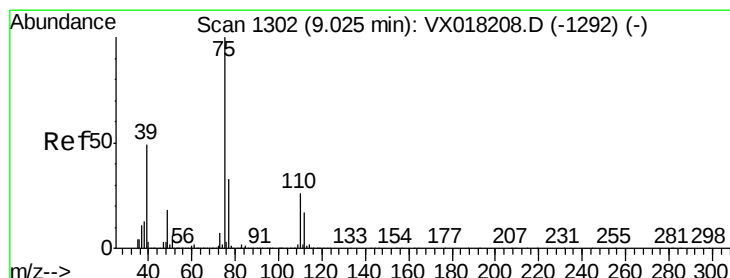
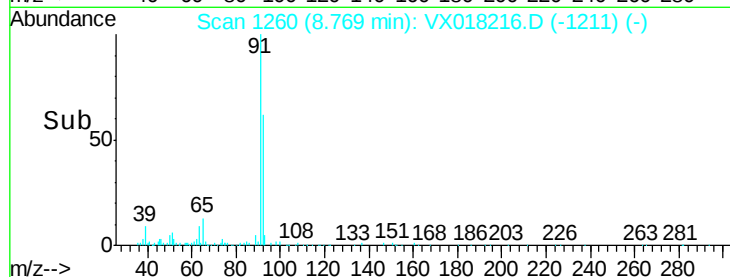
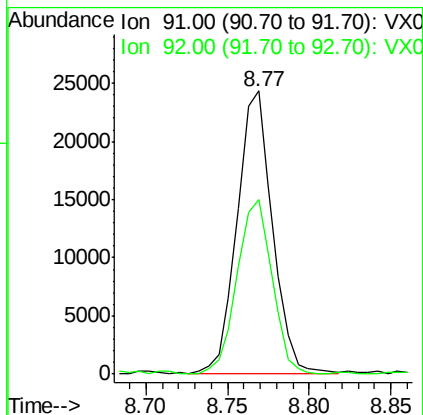
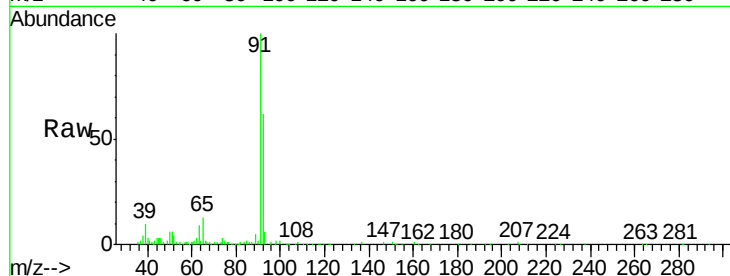
91 100

92 61.6 40.9 75.9

Manual Integrations
APPROVED

MMDadoda

9/3/2020 9:54:02 AM



#44

trans-1,3-Dichloropropene

Concen: 1.874 ug/L

RT: 9.02 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VX018216.D

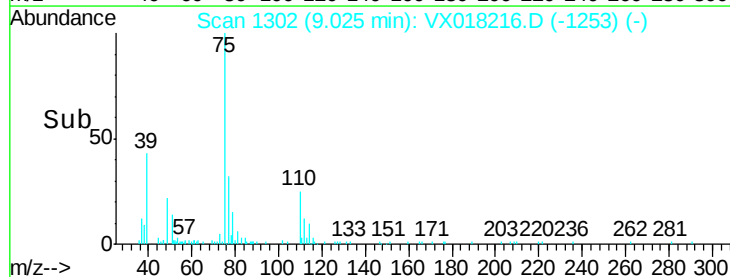
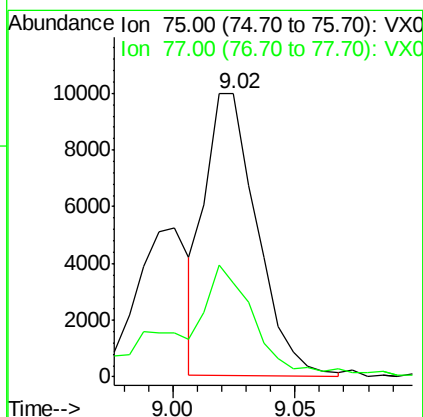
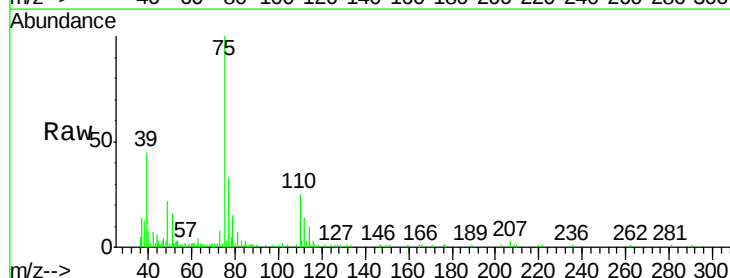
Acq: 02 Sep 2020 15:27

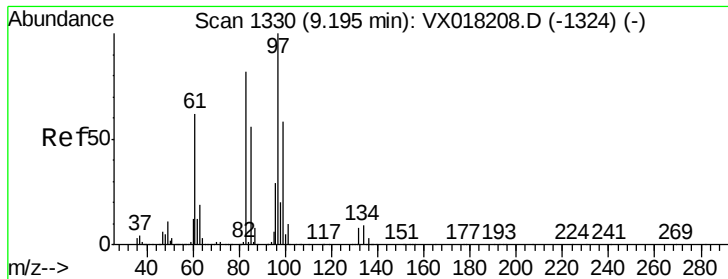
Tgt Ion: 75 Resp: 14632

Ion Ratio Lower Upper

75 100

77 33.3 23.2 43.0





#45

1,1,2-Trichloroethane

Concen: 1.991 ug/L

RT: 9.20 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VX018216.D

Acq: 02 Sep 2020 15:27

Instrument :

MSVOA_X

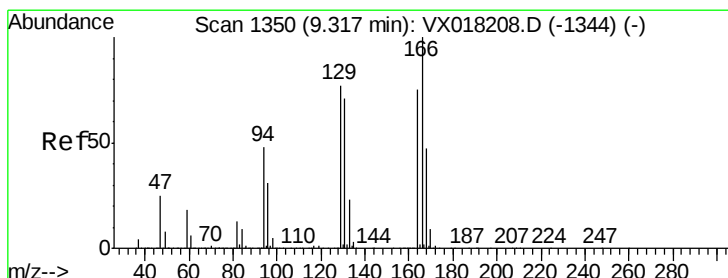
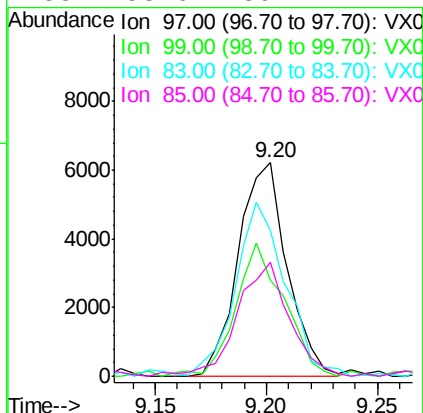
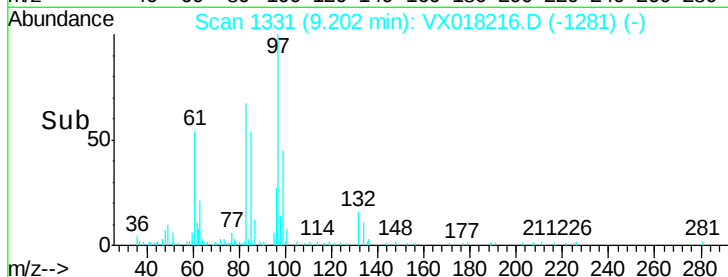
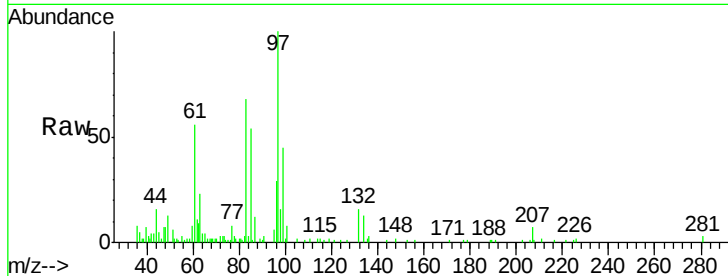
ClientSampleId :

MDL04

Tot Ion:	97	Resp:	9513
Ion	Ratio	Lower	Upper
97	100		
99	44.8	40.3	74.9
83	68.1	57.7	107.1
85	53.6	39.1	72.7

Manual Integrations
APPROVED

MMDadoda
9/3/2020 9:54:02 AM



#46

Tetrachloroethene

Concen: 2.073 ug/L

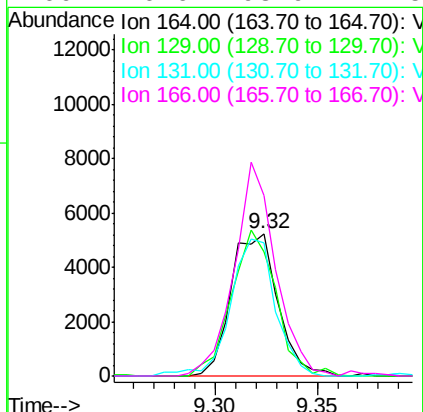
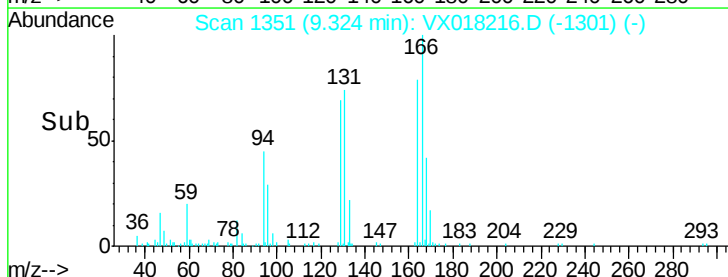
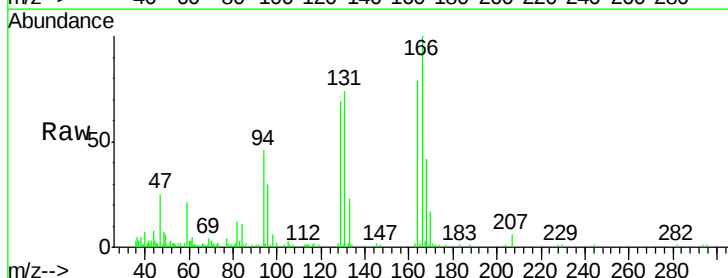
RT: 9.32 min Scan# 1351

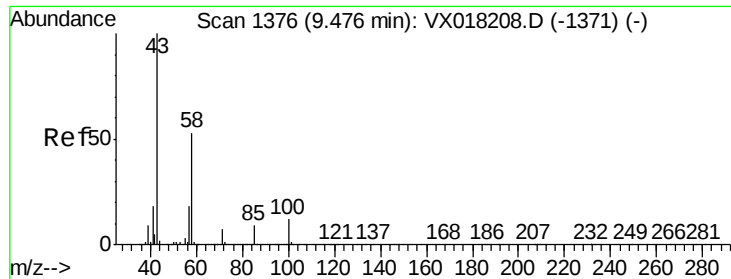
Delta R.T. 0.01 min

Lab File: VX018216.D

Acq: 02 Sep 2020 15:27

Tgt Ion:	164	Resp:	8338
Ion	Ratio	Lower	Upper
164	100		
129	87.4	72.0	133.6
131	93.8	66.8	124.2
166	126.6	93.9	174.5





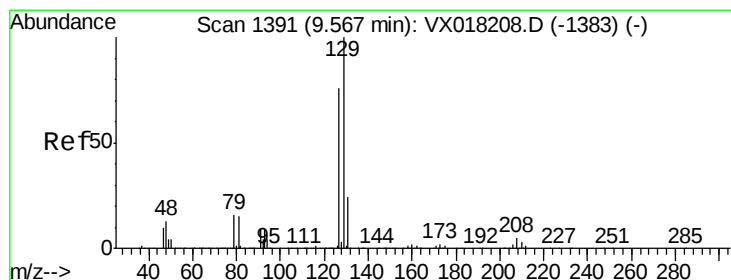
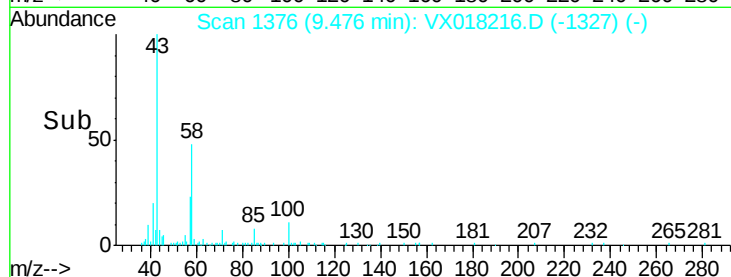
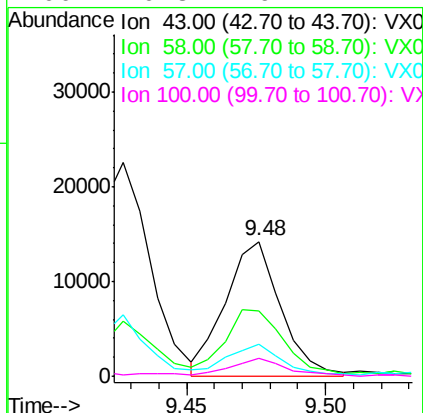
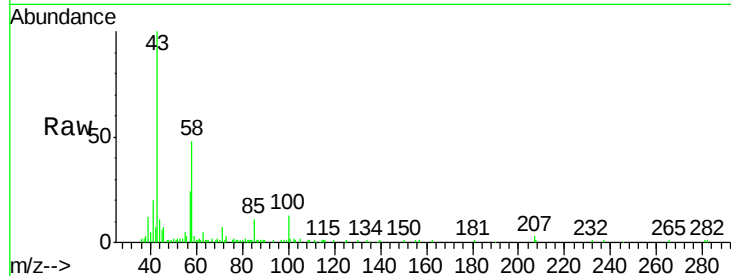
#48
2-Hexanone
Concen: 3.776 ug/L m
RT: 9.48 min Scan# 1376
Delta R.T. 0.00 min
Lab File: VX018216.D
Acq: 02 Sep 2020 15:27

Instrument :
MSVOA_X
ClientSampleId :
MDL04

Tot Ion	Ratio	Lower	Upper
43	100		
58	1.4	41.8	62.8#
57	0.5	15.2	22.8#
100	0.3	9.4	14.2#

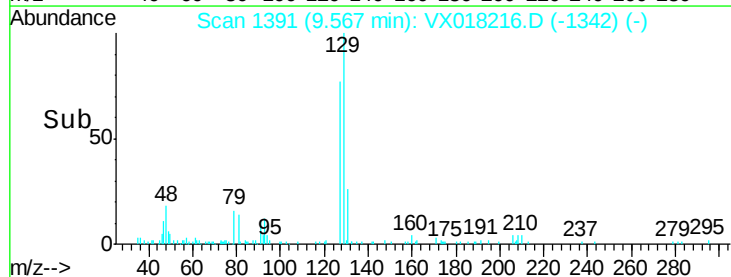
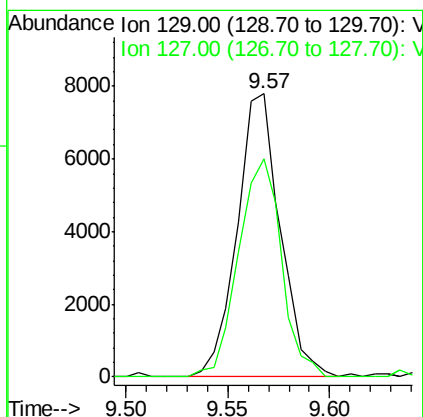
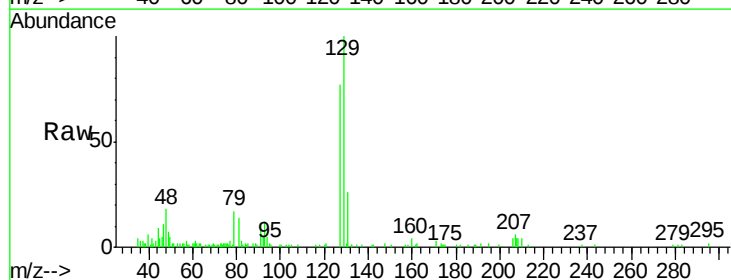
Manual Integrations
APPROVED

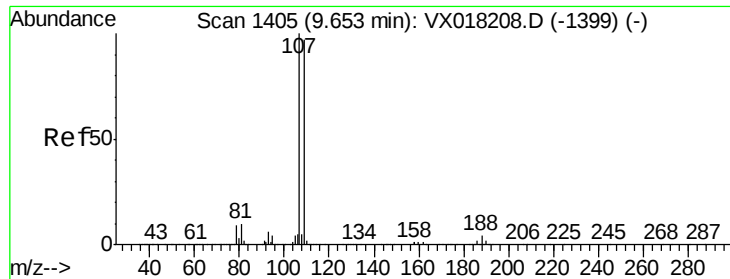
MMDadoda
9/3/2020 9:54:02 AM



#49
Dibromochloromethane
Concen: 1.957 ug/L
RT: 9.57 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VX018216.D
Acq: 02 Sep 2020 15:27

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.0	53.1	98.5





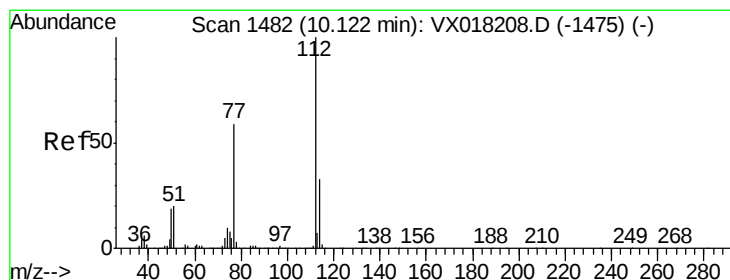
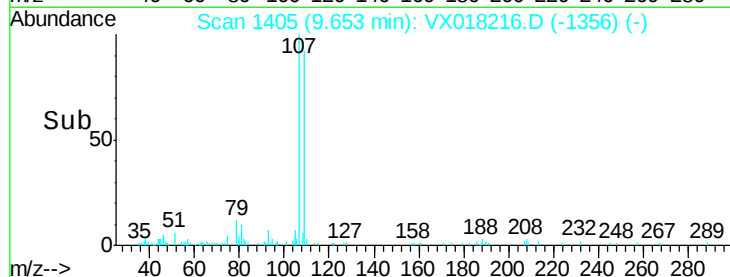
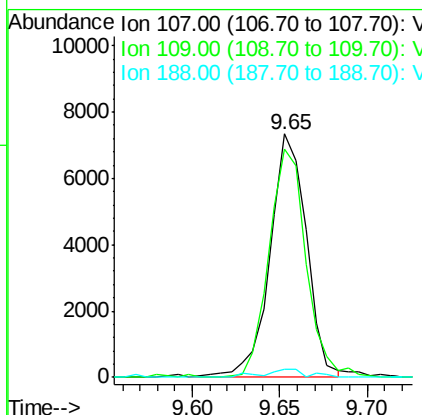
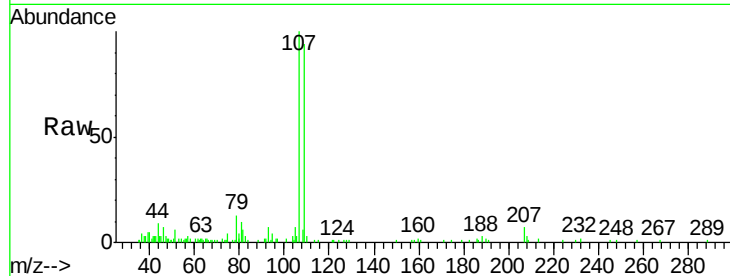
#50
1,2-Dibromoethane
Concen: 2.106 ug/L
RT: 9.65 min Scan# 1405
Delta R.T. 0.00 min
Lab File: VX018216.D
Acq: 02 Sep 2020 15:27

Instrument :
MSVOA_X
ClientSampled :
MDL04

Tot Ion:	107	Resp:	10656
Ion Ratio	Lower	Upper	
107	100		
109	93.6	68.0	126.2
188	3.3	2.8	4.2

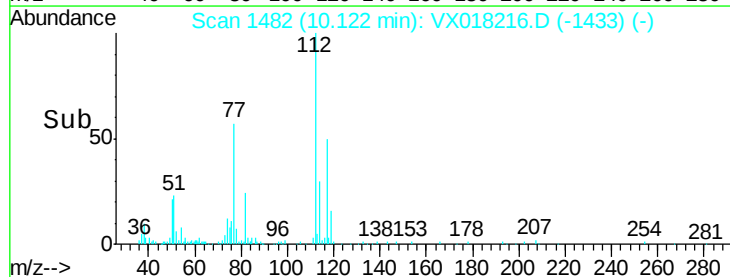
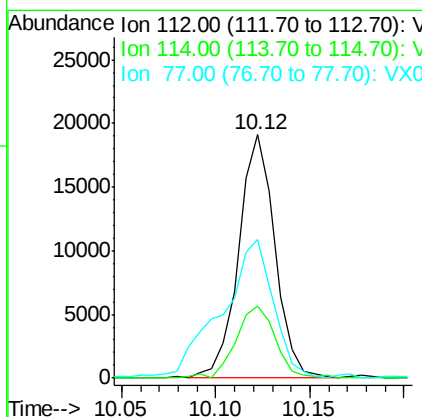
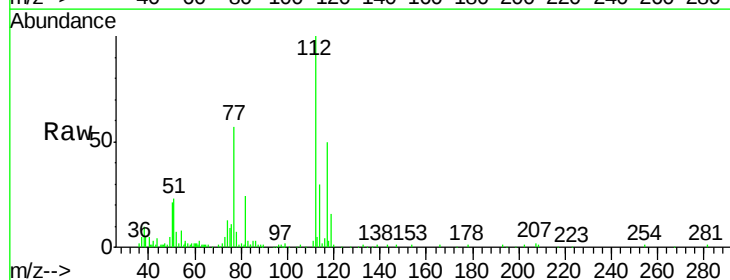
Manual Integrations
APPROVED

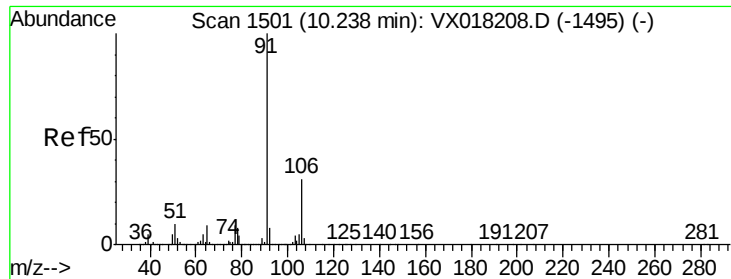
MMDadoda
9/3/2020 9:54:02 AM



#51
Chlorobenzene
Concen: 1.945 ug/L
RT: 10.12 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VX018216.D
Acq: 02 Sep 2020 15:27

Tgt Ion:	112	Resp:	25561
Ion Ratio	Lower	Upper	
112	100		
114	29.8	23.2	43.2
77	56.7	47.0	70.6





#52

Ethylbenzene

Concen: 1.753 ug/L

RT: 10.24 min Scan# 1501

Delta R.T. 0.00 min

Lab File: VX018216.D

Acq: 02 Sep 2020 15:27

Instrument :

MSVOA_X

ClientSampleId :

MDL04

Tot Ion: 91 Resp: 37709

Ion Ratio Lower Upper

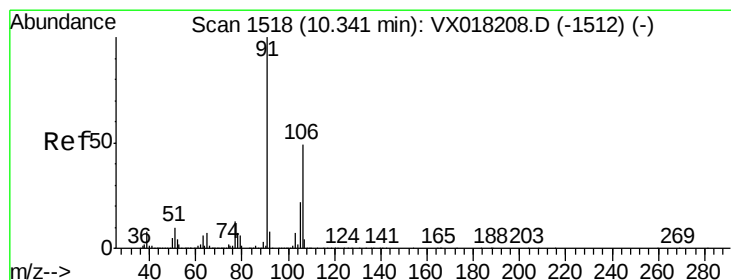
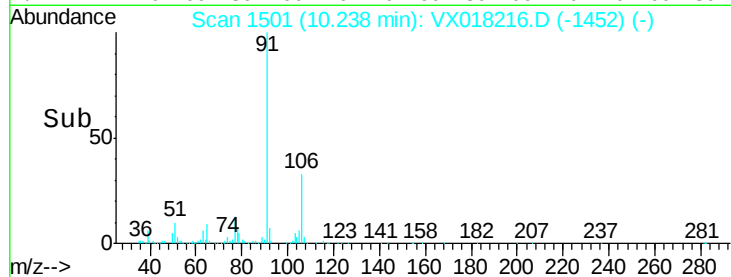
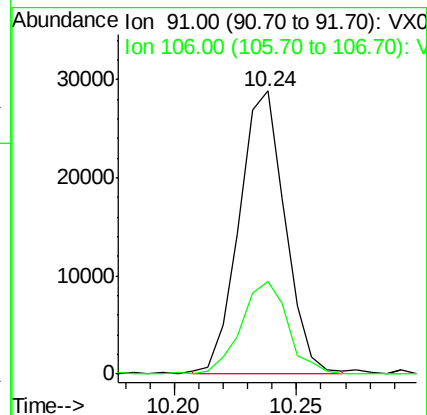
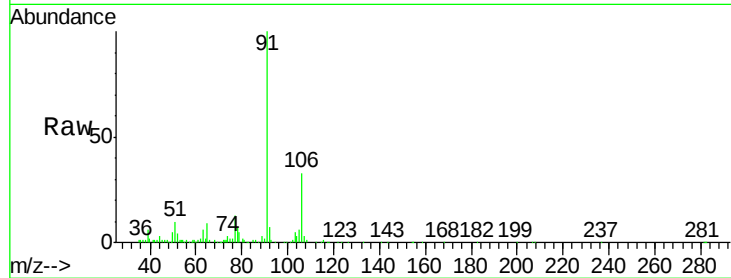
91 100

106 32.5 21.9 40.7

Manual Integrations
APPROVED

MMDadoda

9/3/2020 9:54:02 AM



#53

m,p-Xylene

Concen: 1.812 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX018216.D

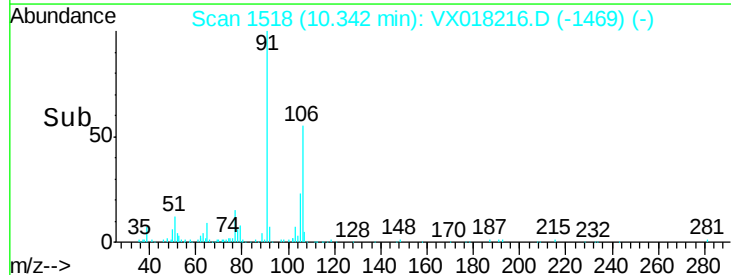
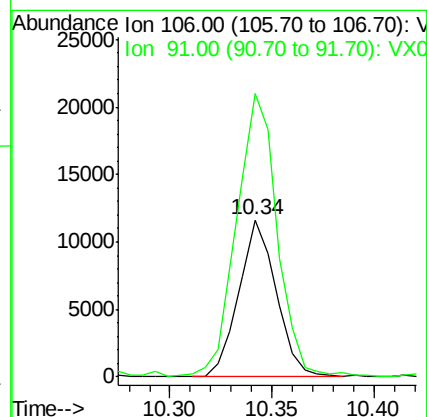
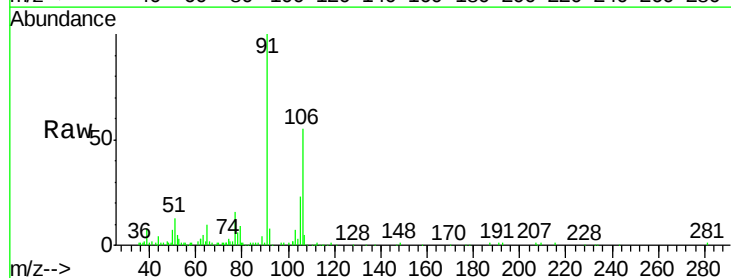
Acq: 02 Sep 2020 15:27

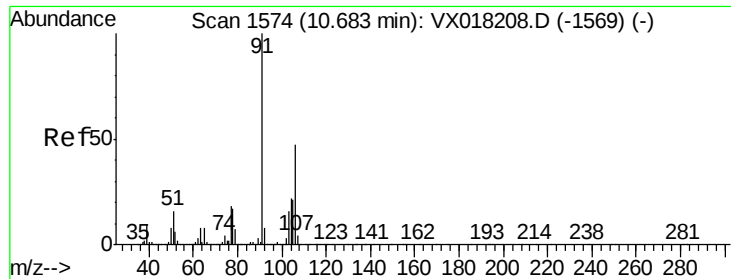
Tgt Ion: 106 Resp: 14889

Ion Ratio Lower Upper

106 100

91 180.5 142.2 264.2





#54

o-xylene

Concen: 1.686 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VX018216.D

Acq: 02 Sep 2020 15:27

Instrument :

MSVOA_X

ClientSampled :

MDL04

Tot Ion:106 Resp: 13227

Ion Ratio Lower Upper

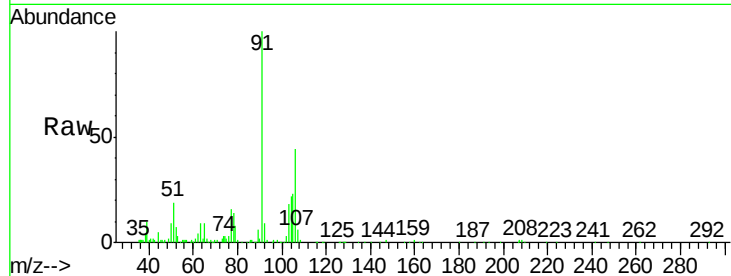
106 100

91 225.5 150.3 279.1

Manual Integrations
APPROVED

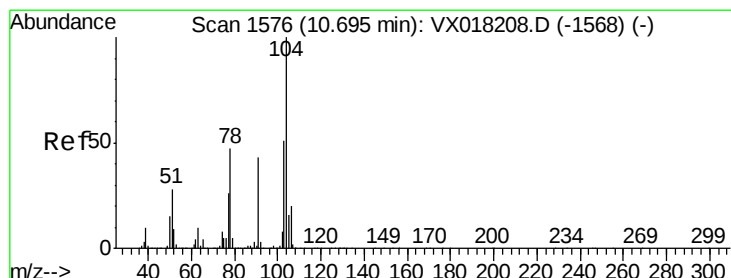
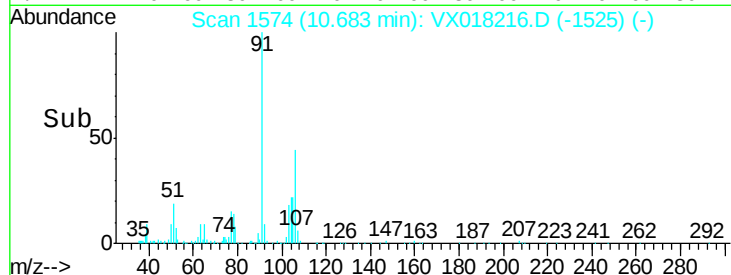
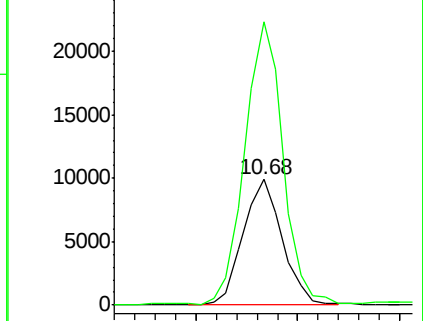
MMDadoda

9/3/2020 9:54:02 AM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#55

Styrene

Concen: 1.576 ug/L

RT: 10.70 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VX018216.D

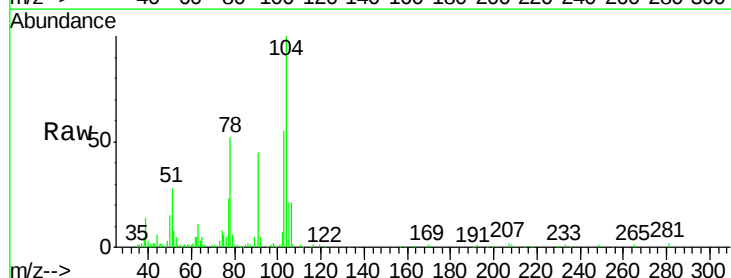
Acq: 02 Sep 2020 15:27

Tgt Ion:104 Resp: 21356

Ion Ratio Lower Upper

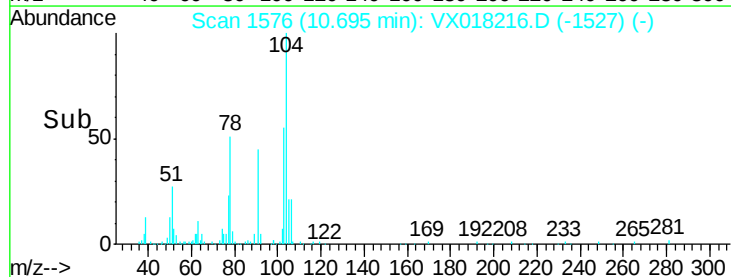
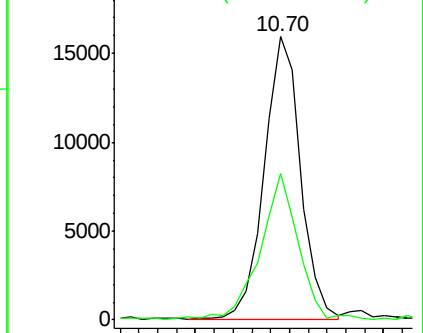
104 100

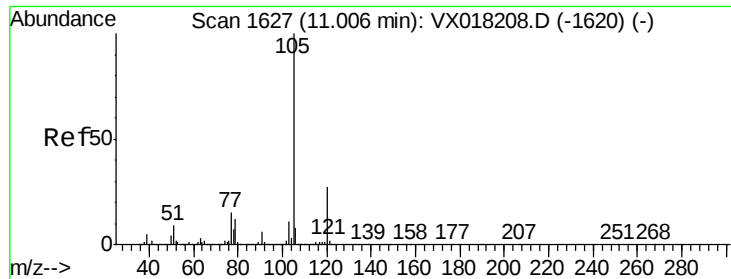
78 51.8 33.1 61.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0





#56

Isopropylbenzene

Concen: 1.622 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. -0.01 min

Lab File: VX018216.D

Acq: 02 Sep 2020 15:27

Instrument :

MSVOA_X

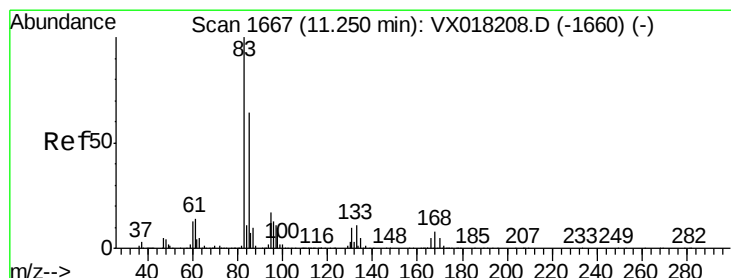
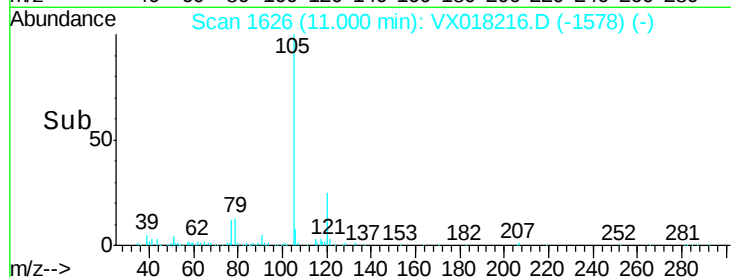
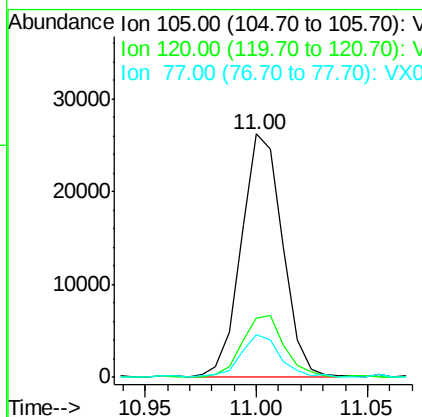
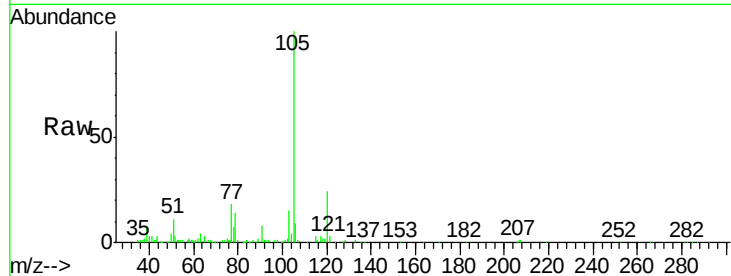
ClientSampleId :

MDL04

Tot Ion:	105	Resp:	34037
Ion Ratio	Lower	Upper	
105	100		
120	25.9	21.3	31.9
77	15.9	12.7	19.1

Manual Integrations
APPROVED

MMDadoda
9/3/2020 9:54:02 AM



#58

1,1,2,2-Tetrachloroethane

Concen: 2.136 ug/L

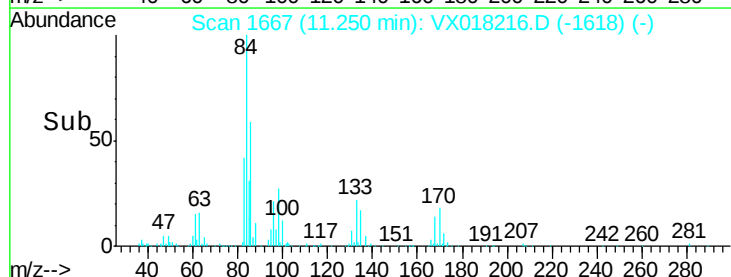
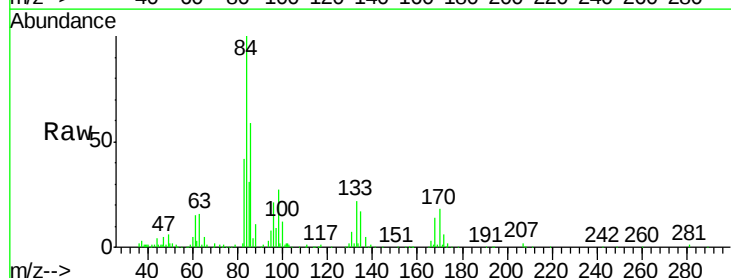
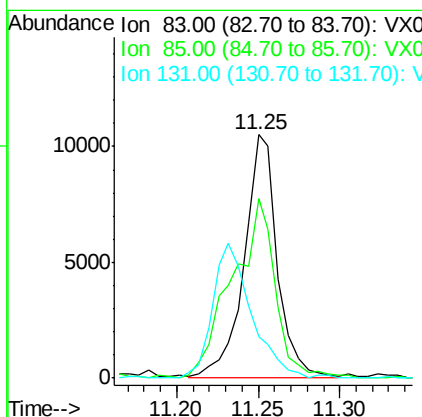
RT: 11.25 min Scan# 1667

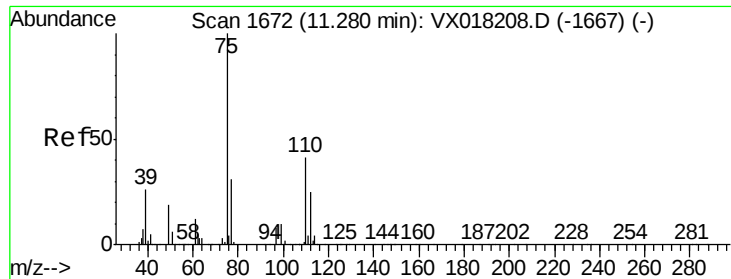
Delta R.T. 0.00 min

Lab File: VX018216.D

Acq: 02 Sep 2020 15:27

Tgt Ion:	83	Resp:	14991
Ion Ratio	Lower	Upper	
83	100		
85	73.5	44.6	82.8
131	17.2	8.0	12.0#





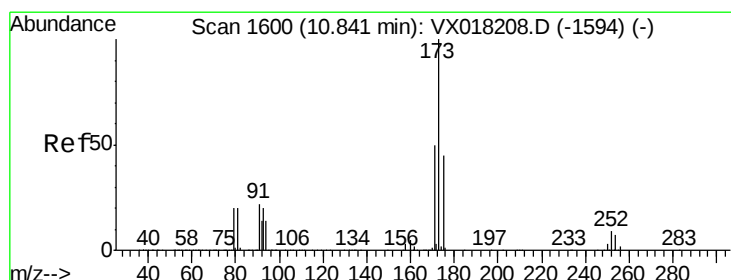
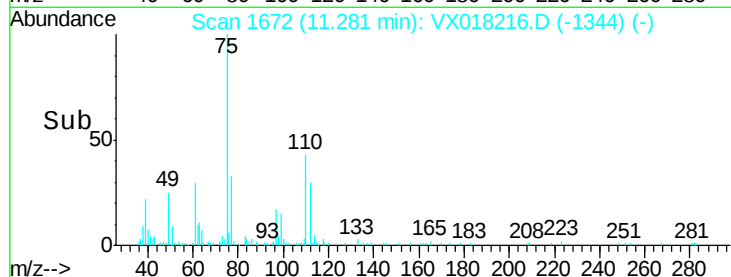
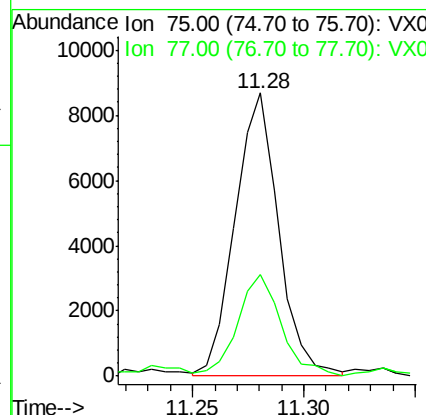
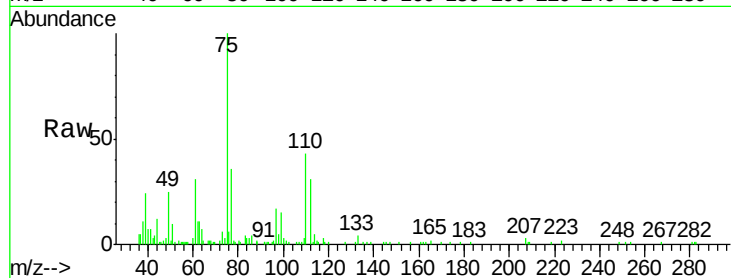
#59
1,2,3-Trichloropropane
Concen: 1.948 ug/L
RT: 11.28 min Scan# 1672
Delta R.T. 0.00 min
Lab File: VX018216.D
Acq: 02 Sep 2020 15:27

Instrument :
MSVOA_X
ClientSampleId :
MDL04

Tot Ion: 75 Resp: 11847
Ion Ratio Lower Upper
75 100
77 36.0 25.8 38.8

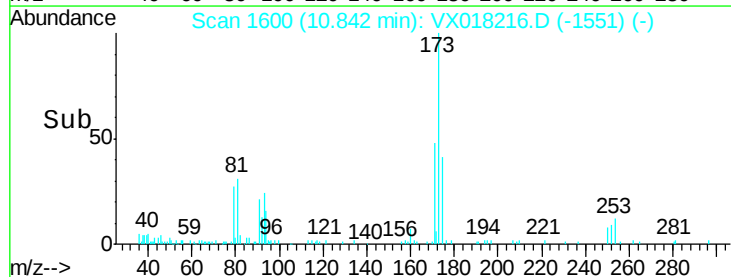
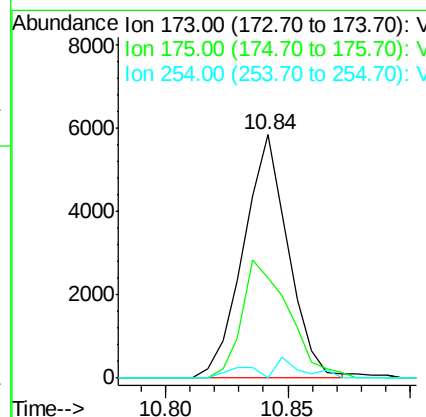
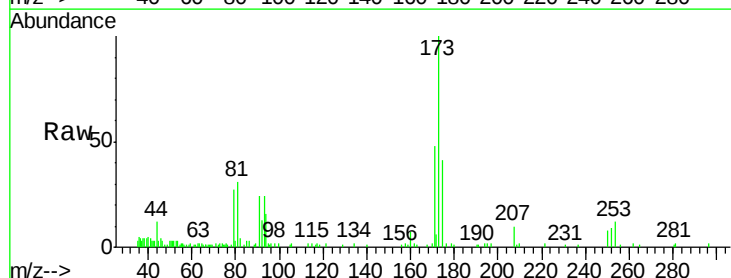
Manual Integrations
APPROVED

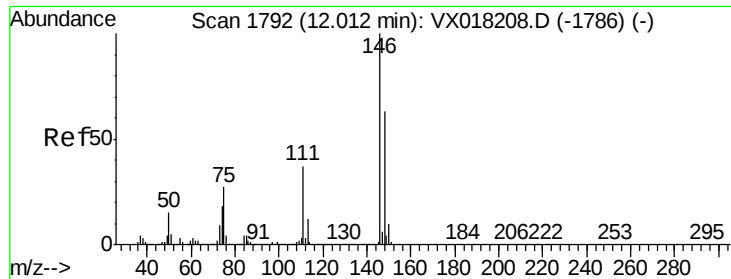
MMDadoda
9/3/2020 9:54:02 AM



#61
Bromoform
Concen: 1.829 ug/L
RT: 10.84 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VX018216.D
Acq: 02 Sep 2020 15:27

Tgt Ion: 173 Resp: 7467
Ion Ratio Lower Upper
173 100
175 0.0 37.9 56.9#
254 4.0 6.6 10.0#





#62

1,3-Dichlorobenzene

Concen: 1.868 ug/L

RT: 12.01 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX018216.D

Acq: 02 Sep 2020 15:27

Instrument :

MSVOA_X

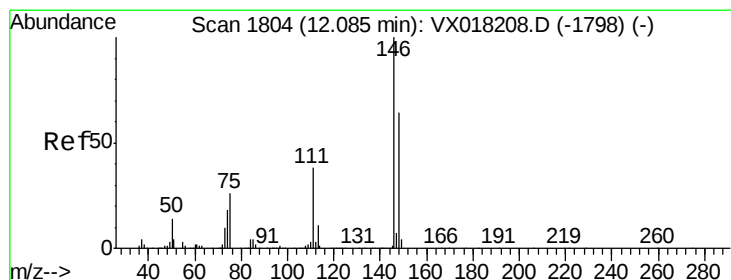
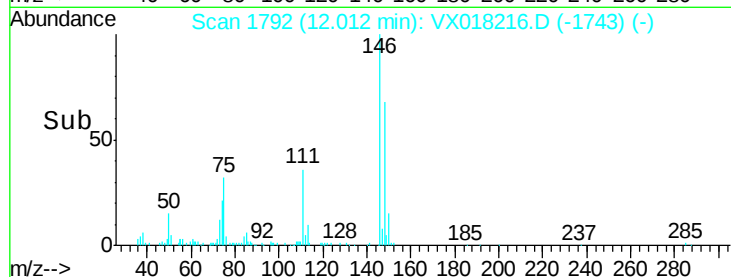
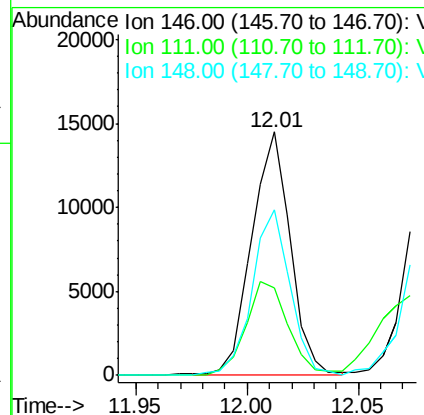
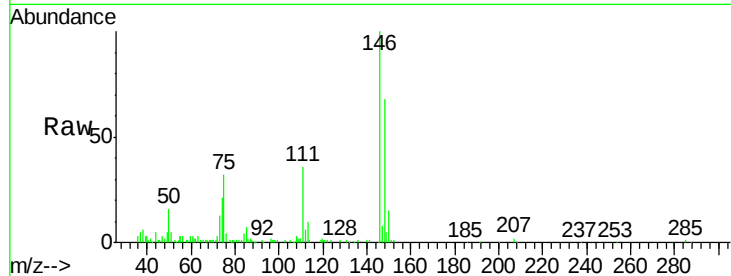
ClientSampled :

MDL04

Tot Ion:	146	Resp:	17658
Ion Ratio	Lower	Upper	
146	100		
111	36.1	26.2	48.6
148	68.1	44.2	82.2

Manual Integrations
APPROVED

MMDadoda
9/3/2020 9:54:02 AM



#63

1,4-Dichlorobenzene

Concen: 2.025 ug/L

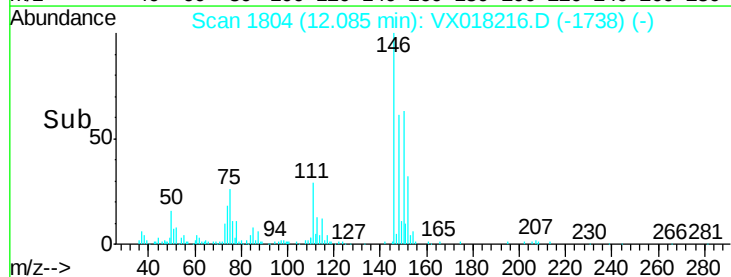
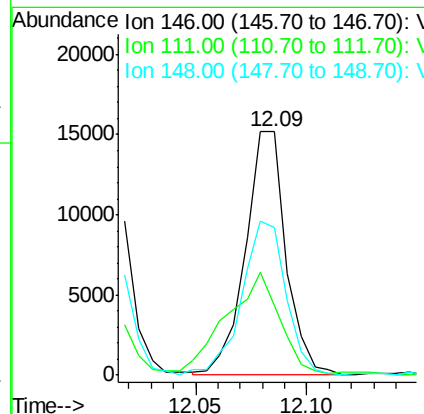
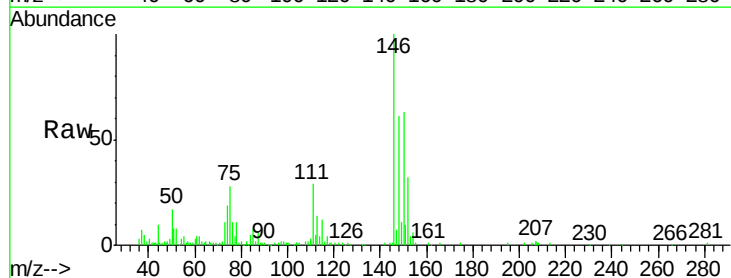
RT: 12.09 min Scan# 1804

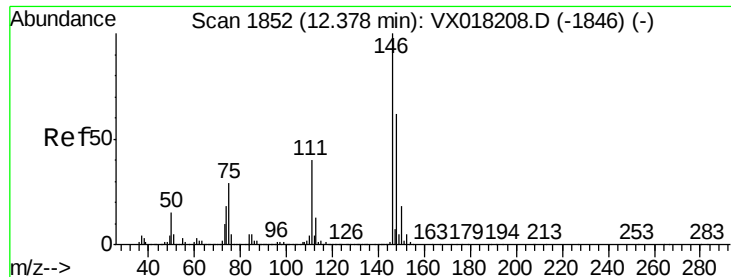
Delta R.T. 0.00 min

Lab File: VX018216.D

Acq: 02 Sep 2020 15:27

Tgt Ion:	146	Resp:	19494
Ion Ratio	Lower	Upper	
146	100		
111	28.6	26.5	49.1
148	60.7	44.5	82.7





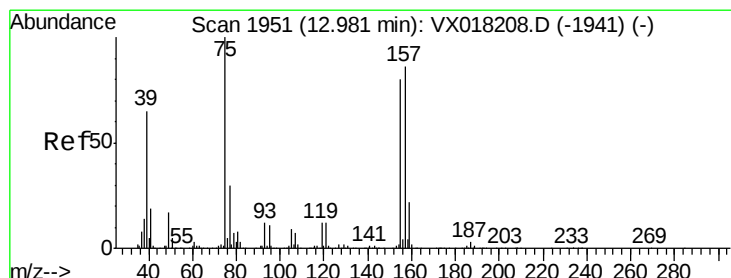
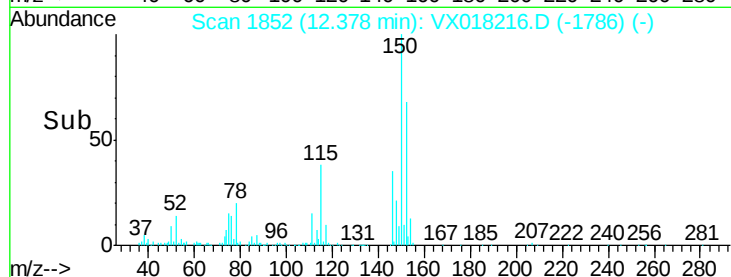
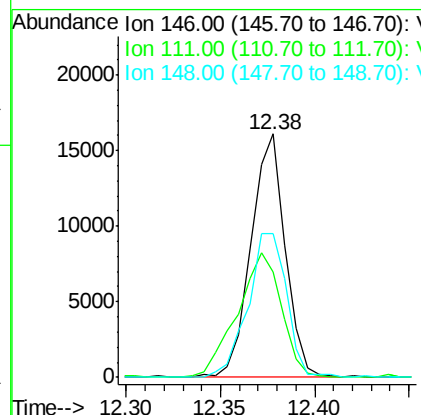
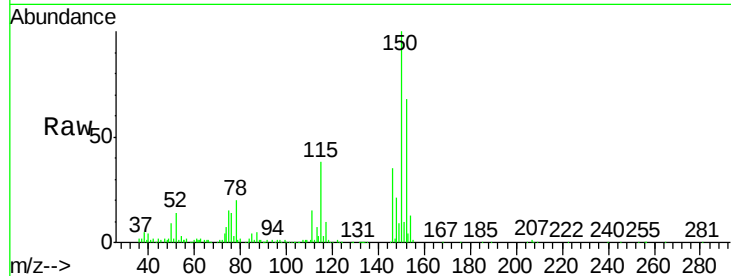
#65
 1,2-Dichlorobenzene
 Concen: 2.226 ug/L
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VX018216.D
 Acq: 02 Sep 2020 15:27

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL04

Tot Ion:	146	Resp:	20276
Ion Ratio	Lower	Upper	
146	100		
111	43.5	32.4	48.6
148	59.2	49.7	74.5

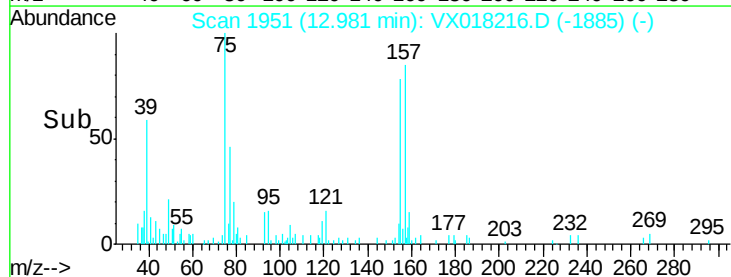
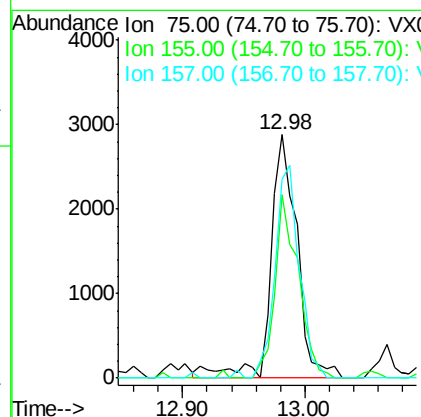
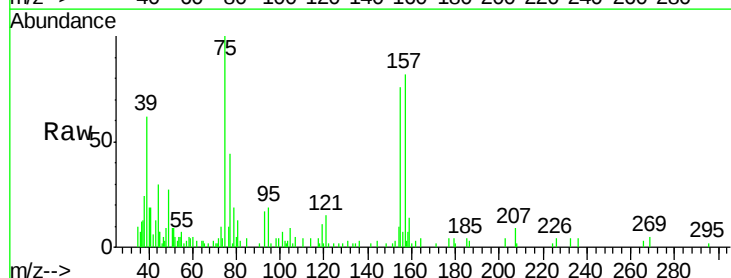
Manual Integrations
 APPROVED

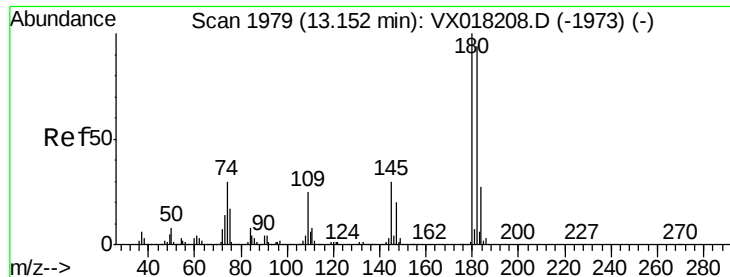
MMDadoda
 9/3/2020 9:54:02 AM



#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.527 ug/L
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX018216.D
 Acq: 02 Sep 2020 15:27

Tgt Ion:	75	Resp:	4304
Ion Ratio	Lower	Upper	
75	100		
155	75.5	63.8	95.8
157	81.6	68.5	102.7





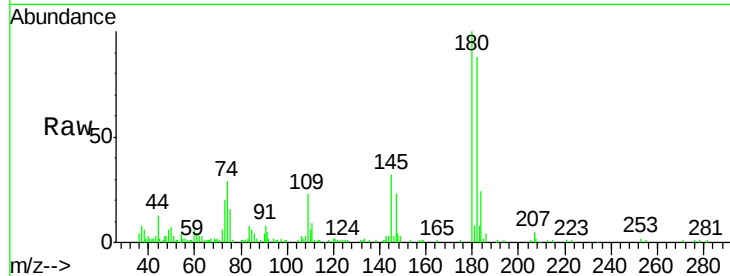
#67
 1,3,5-Trichlorobenzene
 Concen: 2.073 ug/L
 RT: 13.15 min Scan# 1979
 Delta R.T. 0.00 min
 Lab File: VX018216.D
 Acq: 02 Sep 2020 15:27

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL04

Tot Ion	Ratio	Resp	Lower	Upper
180	100	12788		
182	90.3		77.1	115.7
184	31.2		23.8	35.6
145	32.0		24.4	36.6

Manual Integrations
 APPROVED

MMDadoda
 9/3/2020 9:54:02 AM



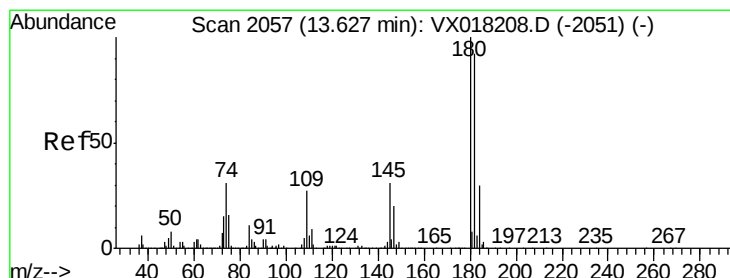
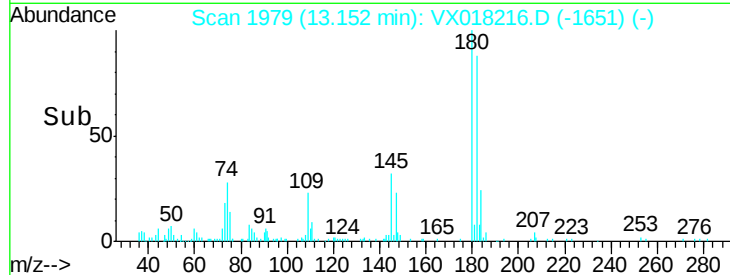
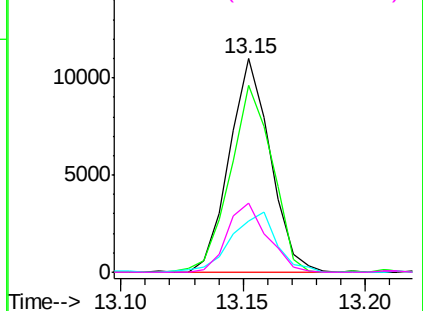
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

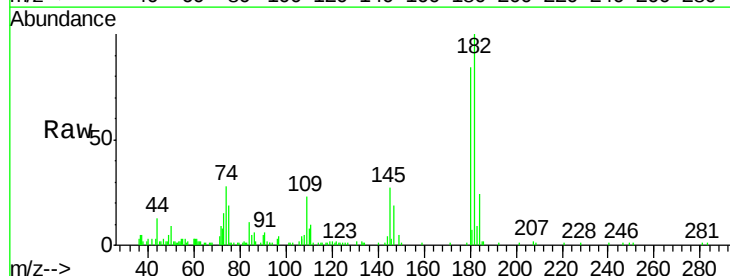
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 1.894 ug/L
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX018216.D
 Acq: 02 Sep 2020 15:27

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	10782		
182	95.0		74.1	111.1
145	32.4		25.0	37.4

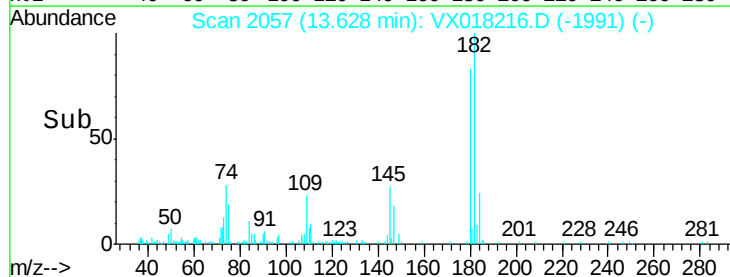
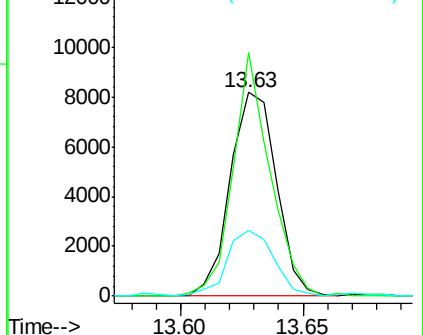


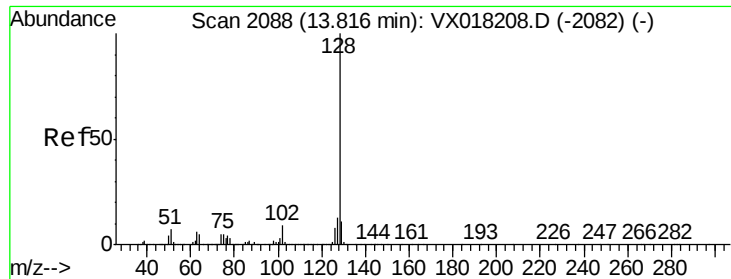
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 1.658 ug/L

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX018216.D

Acq: 02 Sep 2020 15:27

Instrument :

MSVOA_X

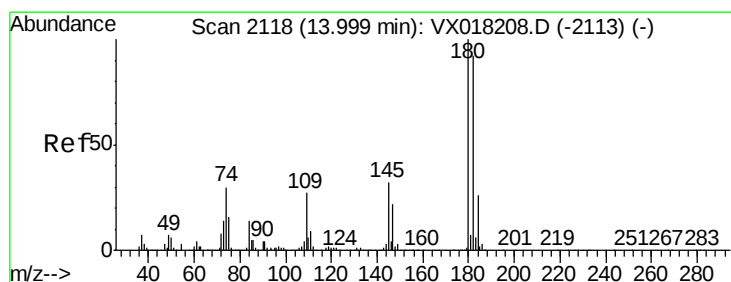
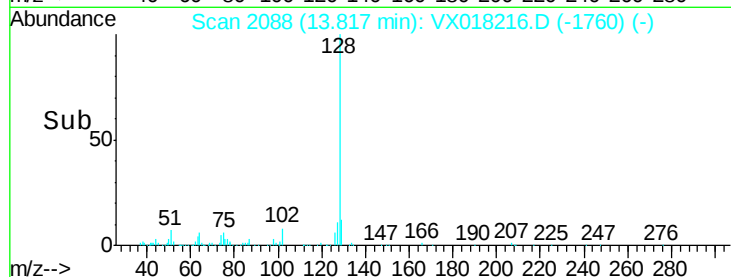
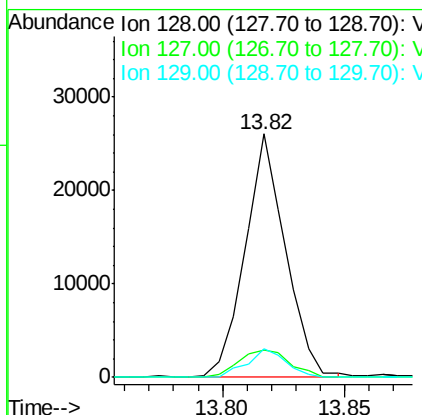
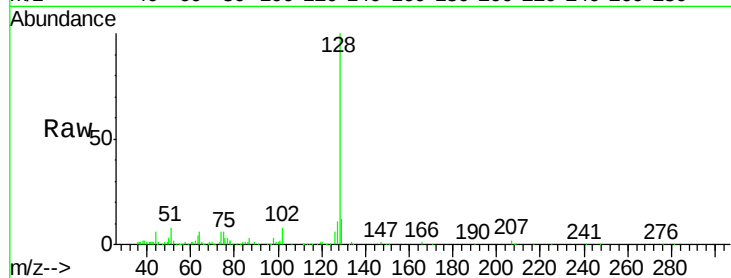
ClientSampleId :

MDL04

Tot Ion:	128	Resp:	29843
Ion Ratio	Lower	Upper	
128	100		
127	14.4	10.0	15.0
129	11.3	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/3/2020 9:54:02 AM



#70

1,2,3-Trichlorobenzene

Concen: 2.049 ug/L

RT: 14.00 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VX018216.D

Acq: 02 Sep 2020 15:27

Tgt Ion:	180	Resp:	11668
Ion Ratio	Lower	Upper	
180	100		
182	85.6	77.0	115.4
145	31.1	27.2	40.8

