

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071320\
 Data File : VX017357.D
 Acq On : 13 Jul 2020 16:50
 Operator : JC/SP
 Sample : L3216-07 .75PPB LOD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

Manual Integrations
 APPROVED

MMDadoda
 7/14/2020 11:36:03 AM

Quant Time: Jul 14 03:38:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071320W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 14 03:17:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	313297	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	511536	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	475667	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	234955	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	199061	50.62	ug/l	0.00
Spiked Amount			Recovery	=	101.24%	
35) Dibromofluoromethane	5.46	113	162657	47.20	ug/l	0.00
Spiked Amount			Recovery	=	94.40%	
50) Toluene-d8	8.70	98	582497	46.86	ug/l	0.00
Spiked Amount			Recovery	=	93.72%	
62) 4-Bromofluorobenzene	11.12	95	214123	43.37	ug/l	0.00
Spiked Amount			Recovery	=	86.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	2219	0.837	ug/l	84
3) Chloromethane	1.31	50	2907	0.974	ug/l	90
4) Vinyl Chloride	1.39	62	2453	0.831	ug/l	91
5) Bromomethane	1.64	94	2298	1.196	ug/l	83
6) Chloroethane	1.72	64	1611	0.864	ug/l #	84
7) Trichlorofluoromethane	1.92	101	3777	0.758	ug/l	88
8) Diethyl Ether	2.17	74	1762	1.000	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	2.37	101	2600	0.916	ug/l	88
10) Methyl Iodide	2.49	142	2399	0.697	ug/l	92
11) Tert butyl alcohol	3.02	59	2840	4.287	ug/l #	83
12) 1,1-Dichloroethene	2.36	96	2610	0.915	ug/l	85
13) Acrolein	2.28	56	1435	3.951	ug/l #	60
14) Allyl chloride	2.71	41	4160	0.842	ug/l	89
15) Acrylonitrile	3.12	53	7618	4.743	ug/l	94
16) Acetone	2.42	43	6377	4.546	ug/l	97
17) Carbon Disulfide	2.55	76	8419	1.012	ug/l	98
18) Methyl Acetate	2.76	43	3347	0.966	ug/l	94
19) Methyl tert-butyl Ether	3.17	73	7757	0.801	ug/l	99
20) Methylene Chloride	2.84	84	4078	1.191	ug/l	97
21) trans-1,2-Dichloroethene	3.15	96	2966	0.909	ug/l	99
22) Diisopropyl ether	3.83	45	7924	0.842	ug/l #	89
23) Vinyl Acetate	3.79	43	29859	3.608	ug/l	99
24) 1,1-Dichloroethane	3.67	63	4552	0.823	ug/l #	93
25) 2-Butanone	4.65	43	9785	4.392	ug/l #	89
26) 2,2-Dichloropropane	4.55	77	4134	0.803	ug/l	96
27) cis-1,2-Dichloroethene	4.56	96	3436	0.961	ug/l	97
28) Bromochloromethane	4.99	49	2476	0.969	ug/l #	93
29) Tetrahydrofuran	5.10	42	6255	4.337	ug/l	93
30) Chloroform	5.17	83	5481	0.921	ug/l #	70
31) Cyclohexane	5.55	56	3677	0.812	ug/l #	86
32) 1,1,1-Trichloroethane	5.46	97	4627	0.841	ug/l #	43
36) 1,1-Dichloropropene	5.77	75	3927	0.835	ug/l #	67
37) Ethyl Acetate	4.81	43	3644	0.749	ug/l	98
38) Carbon Tetrachloride	5.76	117	3918	0.711	ug/l	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071320\
 Data File : VX017357.D
 Acq On : 13 Jul 2020 16:50
 Operator : JC/SP
 Sample : L3216-07 .75PPB LOD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

Manual Integrations
 APPROVED

MMDadoda
 7/14/2020 11:36:03 AM

Quant Time: Jul 14 03:38:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071320W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 14 03:17:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	4061	0.795	ug/l	95
40) Benzene	6.11	78	10548	0.780	ug/l	99
41) Methacrylonitrile	5.01	41	2493	0.954	ug/l #	72
42) 1,2-Dichloroethane	6.17	62	4602	0.876	ug/l	96
43) Isopropyl Acetate	6.41	43	6344	0.816	ug/l	96
44) Trichloroethene	7.19	130	3436	0.832	ug/l	95
45) 1,2-Dichloropropane	7.49	63	2997	0.866	ug/l	93
46) Dibromomethane	7.63	93	2196	0.880	ug/l	88
47) Bromodichloromethane	7.88	83	3894	0.746	ug/l #	85
48) Methyl methacrylate	7.74	41	2713	0.727	ug/l	99
49) 1,4-Dioxane	7.71	88	1201	15.729	ug/l	93
51) 4-Methyl-2-Pentanone	8.62	43	16447	3.469	ug/l	93
52) Toluene	8.76	92	7195	0.829	ug/l	90
53) t-1,3-Dichloropropene	9.02	75	4281	0.762	ug/l #	89
54) cis-1,3-Dichloropropene	8.42	75	4454	0.743	ug/l	96
55) 1,1,2-Trichloroethane	9.20	97	2967	0.820	ug/l	97
56) Ethyl methacrylate	9.16	69	3018	0.587	ug/l #	70
57) 1,3-Dichloropropane	9.35	76	4743	0.788	ug/l	89
58) 2-Chloroethyl Vinyl ether	8.29	63	8770	3.362	ug/l	97
59) 2-Hexanone	9.48	43	11774	3.290	ug/l	96
60) Dibromochloromethane	9.57	129	3175	0.718	ug/l	95
61) 1,2-Dibromoethane	9.65	107	2974	0.756	ug/l	97
64) Tetrachloroethene	9.32	164	3788	0.920	ug/l	92
65) Chlorobenzene	10.12	112	7825	0.809	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	2906	0.755	ug/l #	66
67) Ethyl Benzene	10.24	91	12451	0.774	ug/l	99
68) m/p-Xylenes	10.34	106	8667	1.416	ug/l	97
69) o-Xylene	10.68	106	4453	0.761	ug/l	94
70) Styrene	10.70	104	6444	0.642	ug/l	95
71) Bromoform	10.84	173	2317	0.713	ug/l #	99
73) Isopropylbenzene	11.00	105	9887	0.671	ug/l	98
74) N-amyl acetate	10.88	43	4390	0.745	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.25	83	4144	0.927	ug/l	93
76) 1,2,3-Trichloropropane	11.28	75	3581m	0.825	ug/l	
77) Bromobenzene	11.24	156	3539	0.844	ug/l	94
78) n-propylbenzene	11.34	91	12913	0.781	ug/l	99
79) 2-Chlorotoluene	11.40	91	8320	0.816	ug/l	96
80) 1,3,5-Trimethylbenzene	11.49	105	8916	0.713	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.05	75	1320m	0.771	ug/l	
82) 4-Chlorotoluene	11.49	91	9175	0.759	ug/l	92
83) tert-Butylbenzene	11.75	119	8852	0.732	ug/l	97
84) 1,2,4-Trimethylbenzene	11.79	105	8363	0.662	ug/l	99
85) sec-Butylbenzene	11.93	105	9121	0.645	ug/l	95
86) p-Isopropyltoluene	12.05	119	9106	0.680	ug/l	87
87) 1,3-Dichlorobenzene	12.01	146	6644	0.885	ug/l	97
88) 1,4-Dichlorobenzene	12.08	146	6658m	0.878	ug/l	
89) n-Butylbenzene	12.37	91	8928	0.782	ug/l	98
90) Hexachloroethane	12.58	117	1979	0.779	ug/l	85
91) 1,2-Dichlorobenzene	12.38	146	5532	0.784	ug/l	91
92) 1,2-Dibromo-3-Chloropropan	12.99	75	987	0.836	ug/l	91

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071320\
Data File : VX017357.D
Acq On : 13 Jul 2020 16:50
Operator : JC/SP
Sample : L3216-07 .75PPB LOD
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

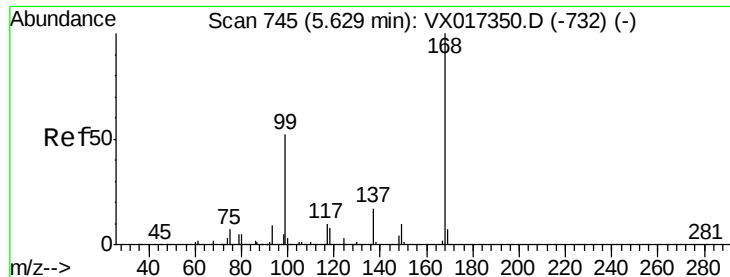
Manual Integrations
APPROVED

MMDadoda
7/14/2020 11:36:03 AM

Quant Time: Jul 14 03:38:53 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071320W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 14 03:17:30 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	4133	0.844	ug/l	90
94) Hexachlorobutadiene	13.76	225	1652	0.828	ug/l	84
95) Naphthalene	13.82	128	10298	0.715	ug/l	96
96) 1,2,3-Trichlorobenzene	14.01	180	3918	0.829	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.00 min

Lab File: VX017357.D

Acq: 13 Jul 2020 16:50

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:168 Resp: 313297

Ion Ratio Lower Upper

168 100

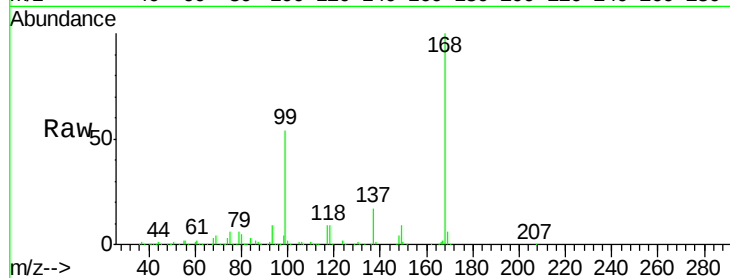
99 53.5 41.6 62.4

Manual Integrations

APPROVED

MMDadoda

7/14/2020 11:36:03 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

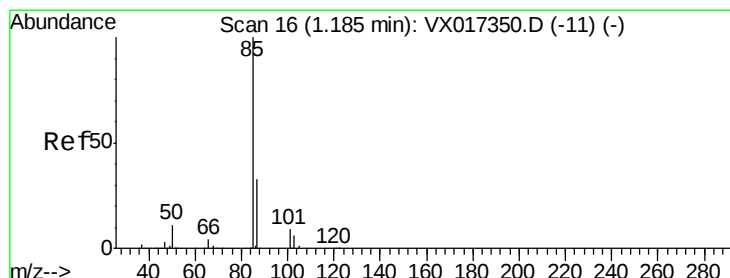
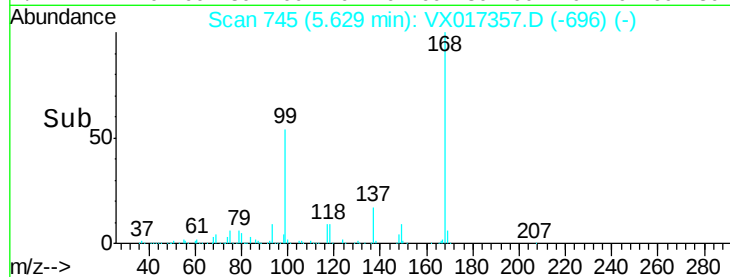
5.63

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.837 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX017357.D

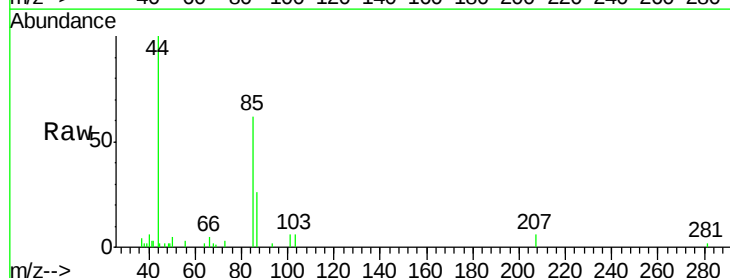
Acq: 13 Jul 2020 16:50

Tgt Ion: 85 Resp: 2219

Ion Ratio Lower Upper

85 100

87 41.6 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

2500

2000

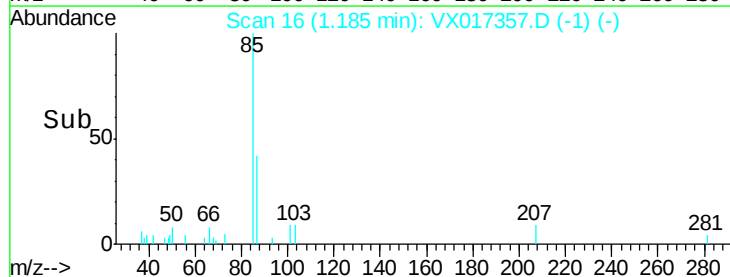
1500

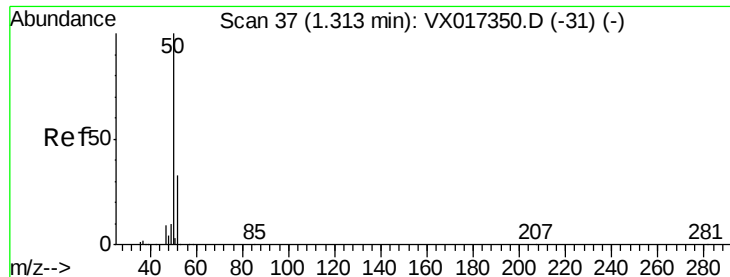
1000

500

0

Time-->





#3

Chloromethane

Concen: 0.974 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX017357.D

Acq: 13 Jul 2020 16:50

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion: 50 Resp: 2907

Ion Ratio Lower Upper

50 100

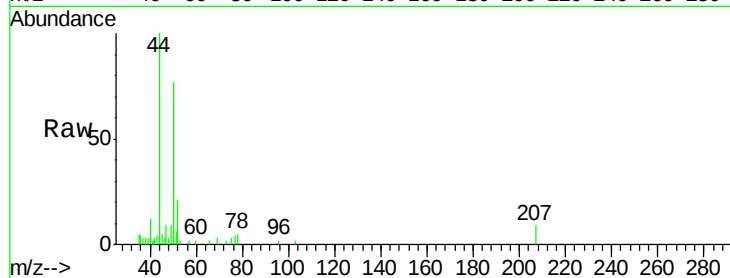
52 27.6 26.7 40.1

Manual Integrations

APPROVED

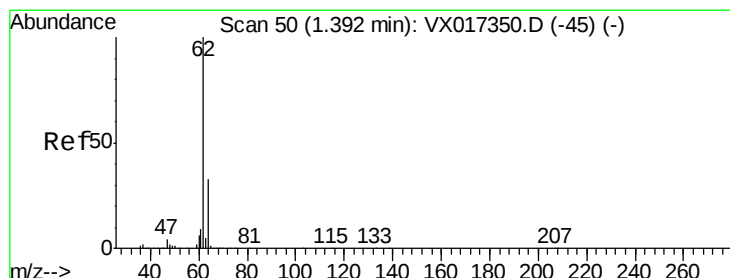
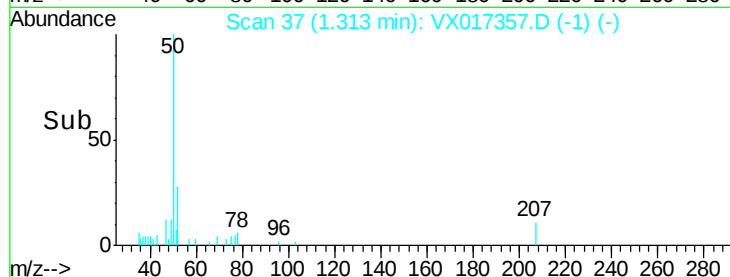
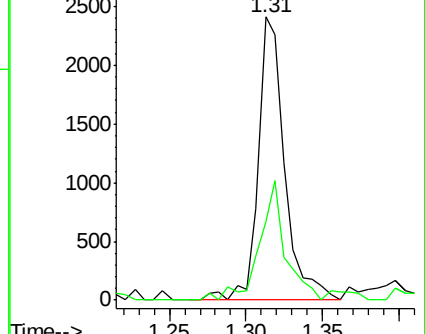
MMDadoda

7/14/2020 11:36:03 AM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 0.831 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX017357.D

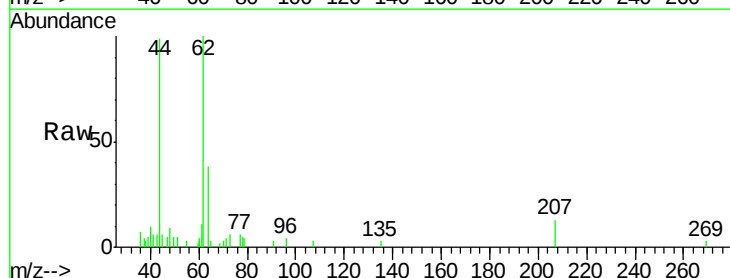
Acq: 13 Jul 2020 16:50

Tgt Ion: 62 Resp: 2453

Ion Ratio Lower Upper

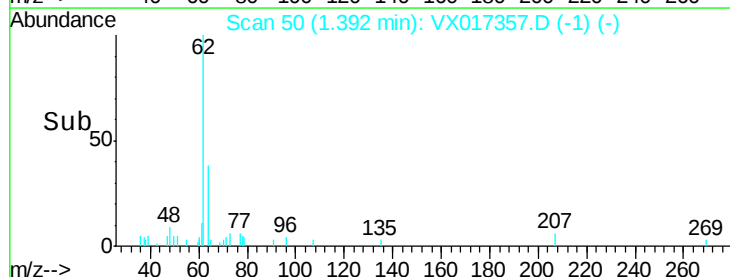
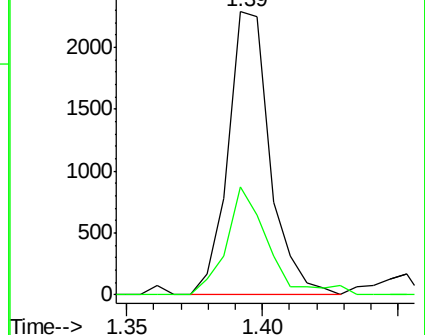
62 100

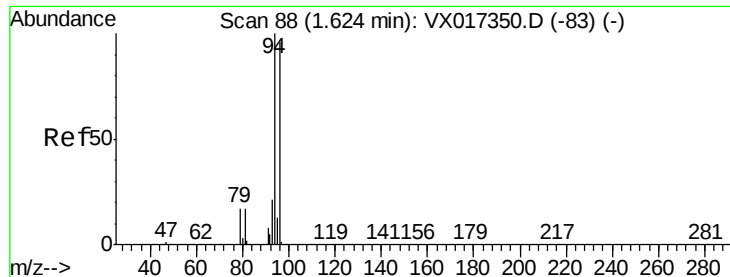
64 38.2 26.3 39.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 1.196 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX017357.D

Acq: 13 Jul 2020 16:50

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion: 94 Resp: 2298

Ion Ratio Lower Upper

94 100

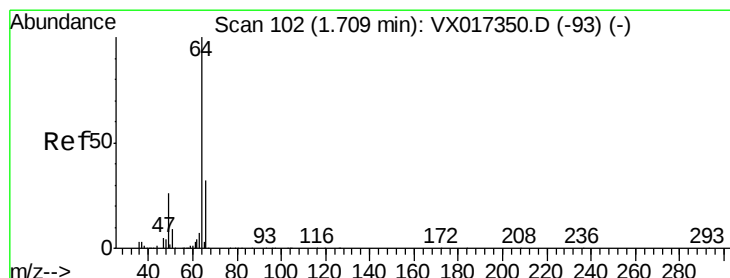
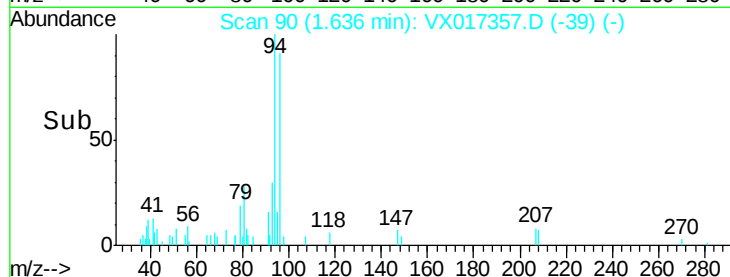
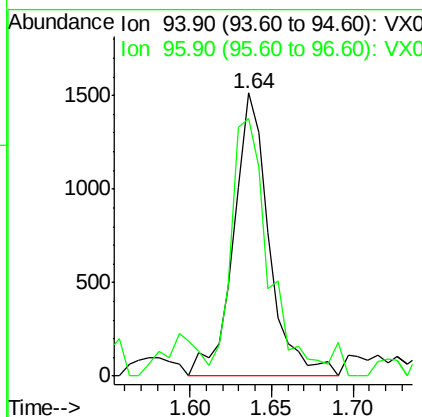
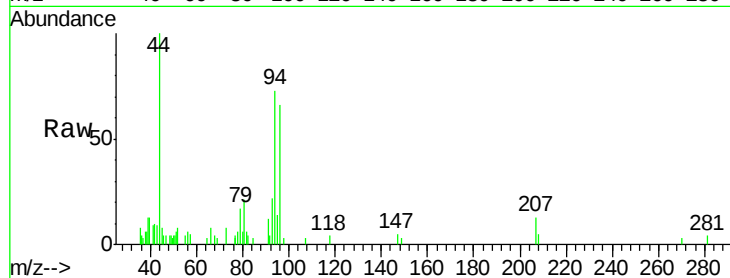
96 79.1 76.6 115.0

Manual Integrations

APPROVED

MMDadoda

7/14/2020 11:36:03 AM



#6

Chloroethane

Concen: 0.864 ug/l

RT: 1.72 min Scan# 103

Delta R.T. 0.01 min

Lab File: VX017357.D

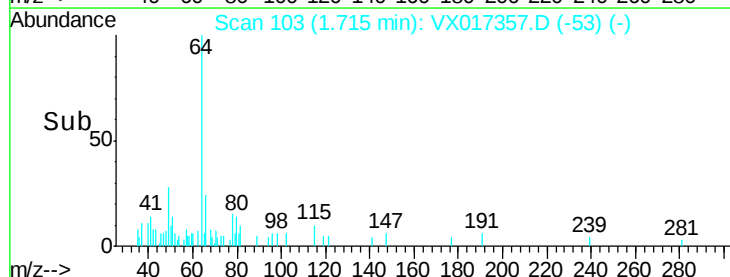
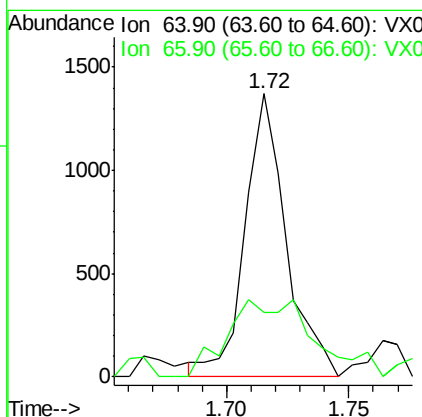
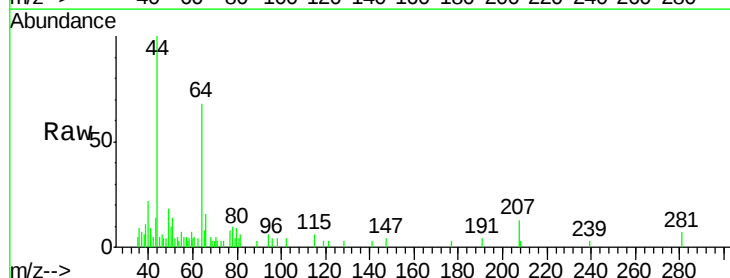
Acq: 13 Jul 2020 16:50

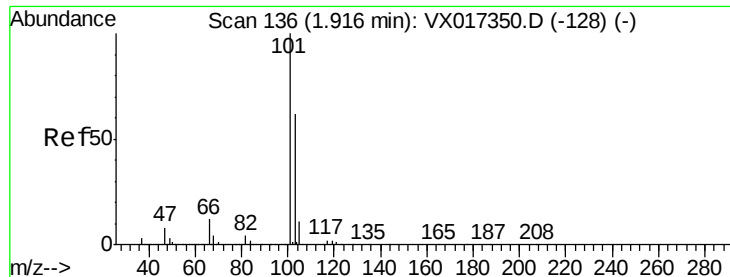
Tgt Ion: 64 Resp: 1611

Ion Ratio Lower Upper

64 100

66 22.9 25.7 38.5#





#7

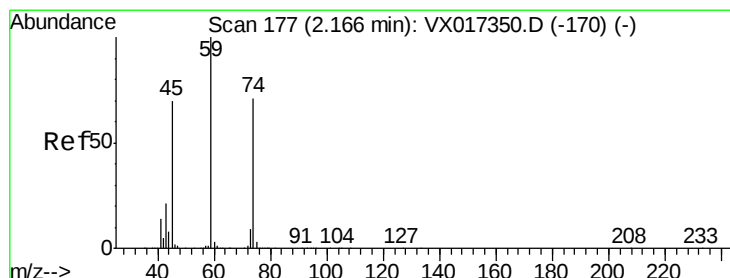
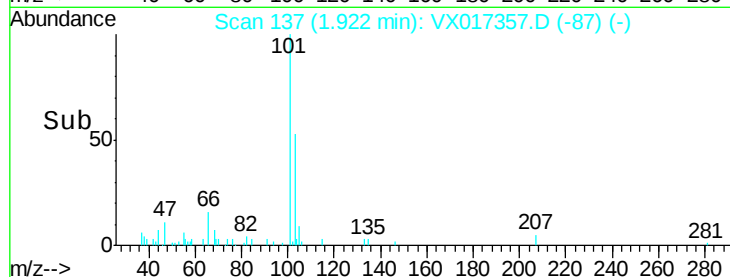
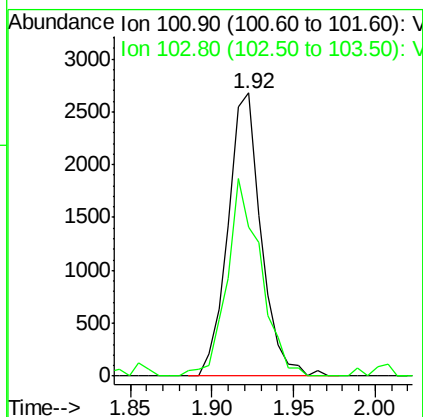
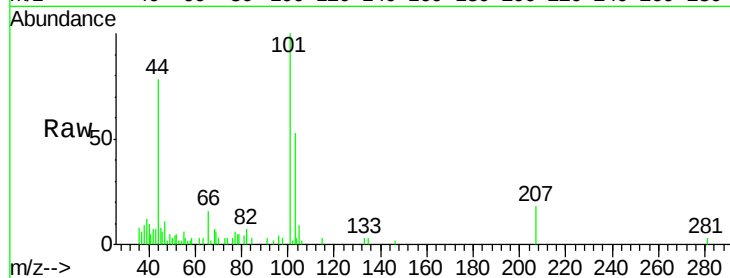
Trichlorofluoromethane
Concen: 0.758 ug/l
RT: 1.92 min Scan# 137
Delta R.T. 0.01 min
Lab File: VX017357.D
Acq: 13 Jul 2020 16:50

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
101	100		
103	52.6	49.6	74.4

Manual Integrations
APPROVED

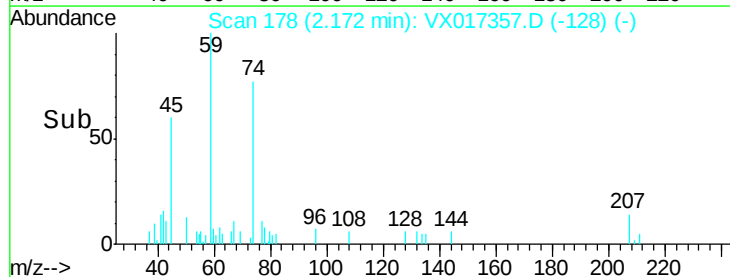
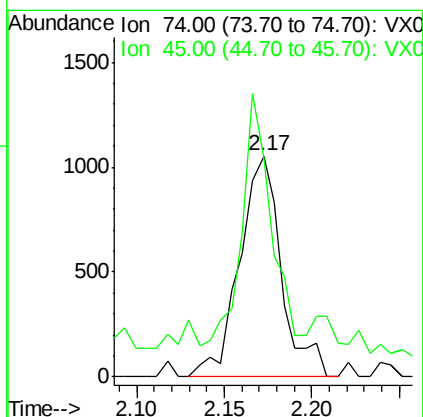
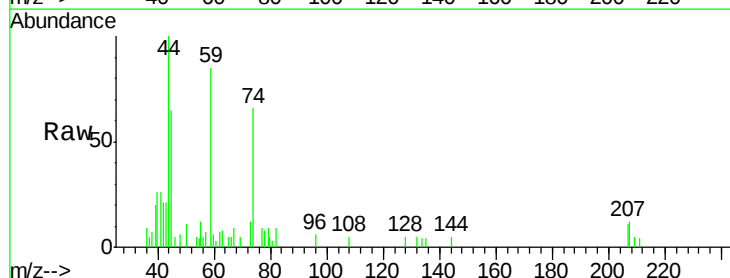
MMDadoda
7/14/2020 11:36:03 AM

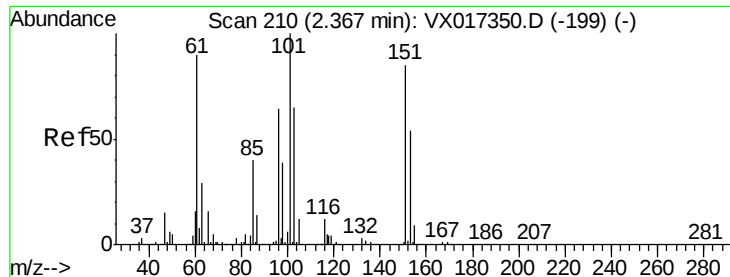


#8

Diethyl Ether
Concen: 1.000 ug/l
RT: 2.17 min Scan# 178
Delta R.T. 0.01 min
Lab File: VX017357.D
Acq: 13 Jul 2020 16:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	80.1	47.2	141.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.916 ug/l

RT: 2.37 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX017357.D

Acq: 13 Jul 2020 16:50

Instrument :

MSVOA_X

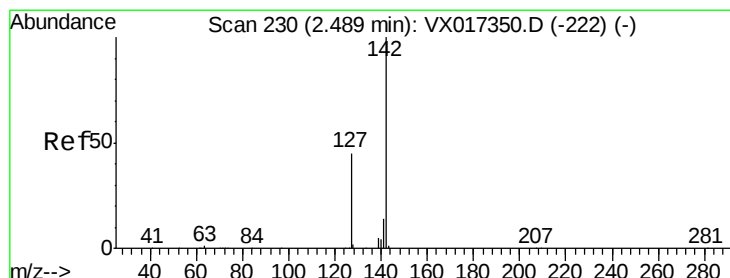
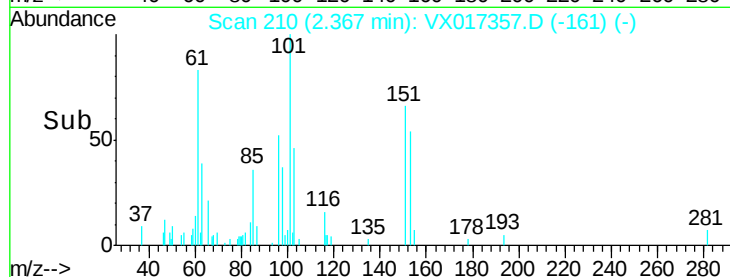
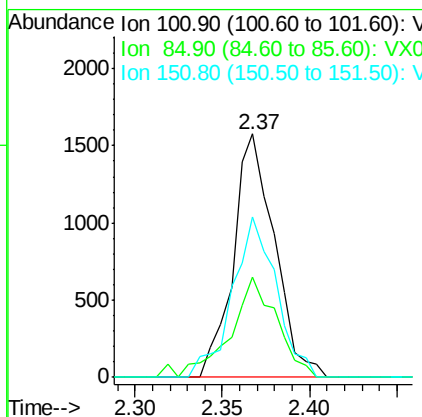
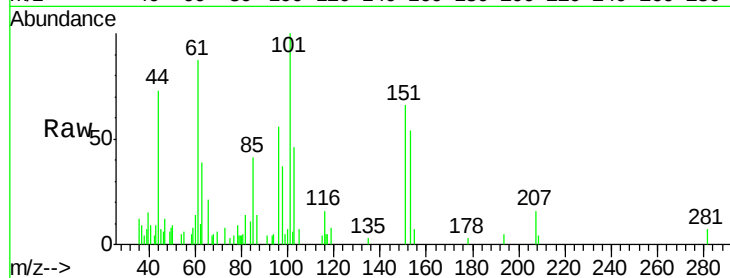
ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:	101	Resp:	2600
Ion Ratio	Lower	Upper	
101	100		
85	47.0	33.7	50.5
151	70.0	66.4	99.6

Manual Integrations
APPROVED

MMDadoda
7/14/2020 11:36:03 AM



#10

Methyl Iodide

Concen: 0.697 ug/l

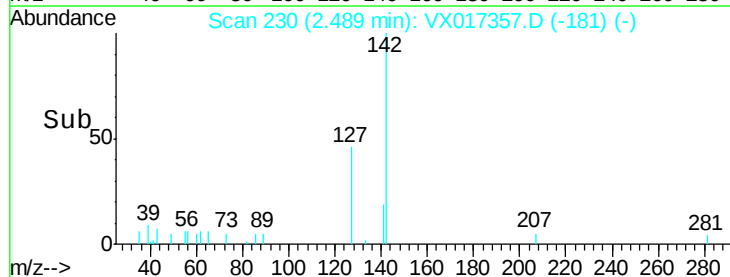
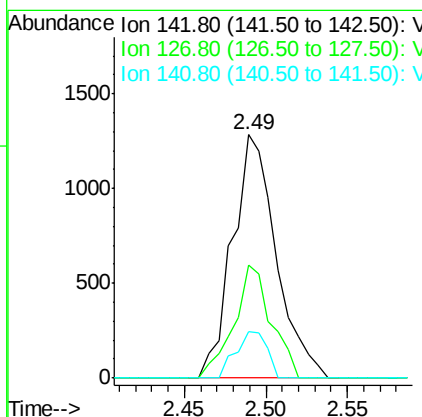
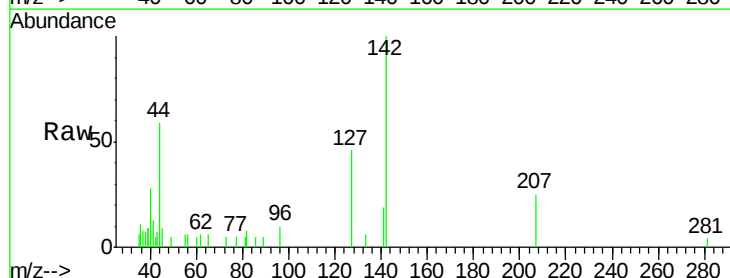
RT: 2.49 min Scan# 230

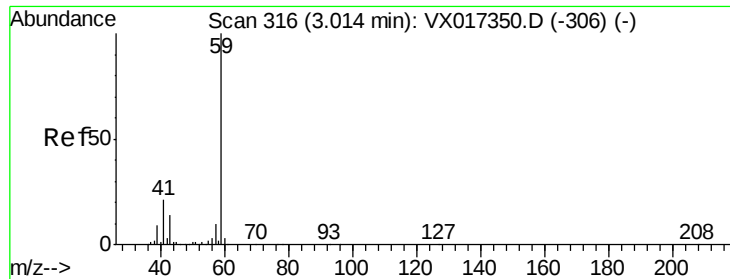
Delta R.T. 0.00 min

Lab File: VX017357.D

Acq: 13 Jul 2020 16:50

Tgt Ion:	142	Resp:	2399
Ion Ratio	Lower	Upper	
142	100		
127	39.4	36.8	55.2
141	13.6	11.4	17.0





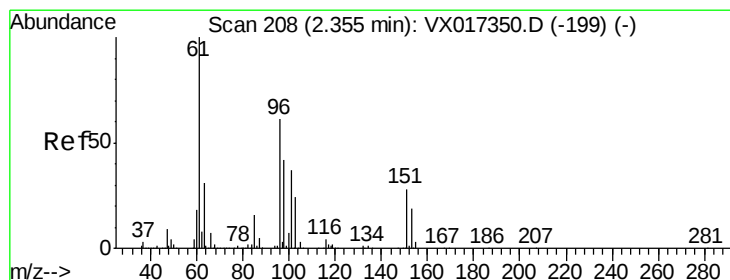
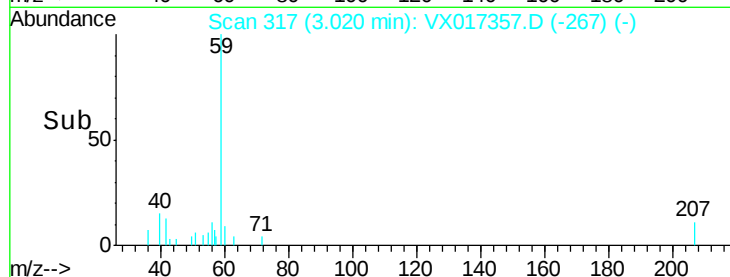
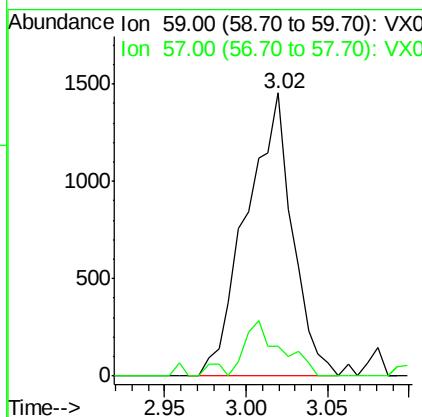
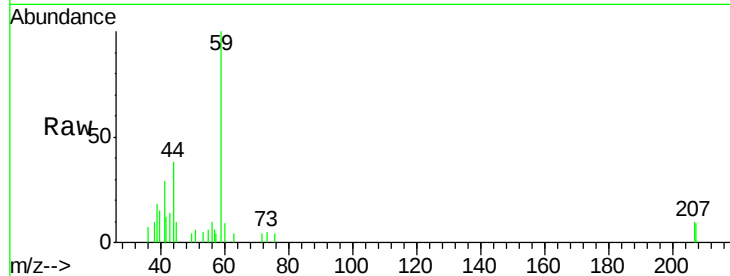
#11
Tert butyl alcohol
Concen: 4.287 ug/l
RT: 3.02 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX017357.D
Acq: 13 Jul 2020 16:50

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
59	100		
57	16.9	8.3	12.5#

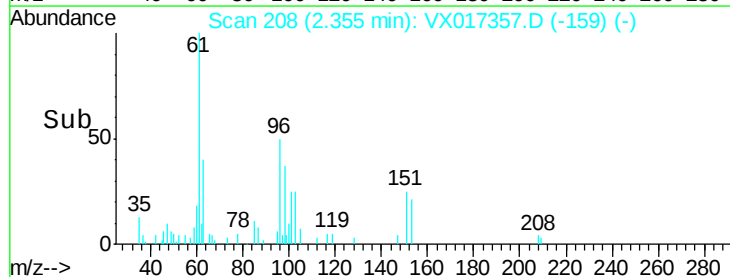
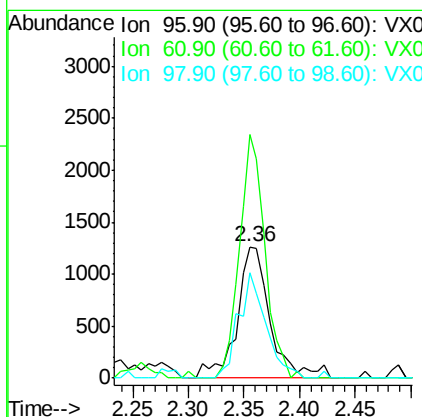
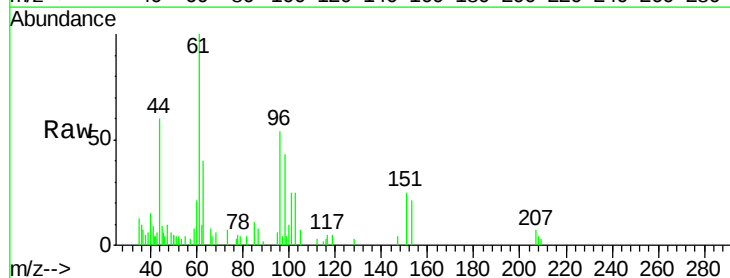
Manual Integrations
APPROVED

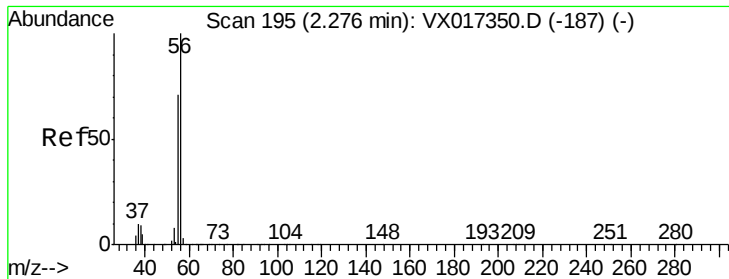
MMDadoda
7/14/2020 11:36:03 AM



#12
1,1-Dichloroethene
Concen: 0.915 ug/l
RT: 2.36 min Scan# 208
Delta R.T. 0.00 min
Lab File: VX017357.D
Acq: 13 Jul 2020 16:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	185.6	131.5	197.3
98	80.6	55.1	82.7





#13

Acrolein

Concen: 3.951 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.00 min

Lab File: VX017357.D

Acq: 13 Jul 2020 16:50

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion: 56 Resp: 1435

Ion Ratio Lower Upper

56 100

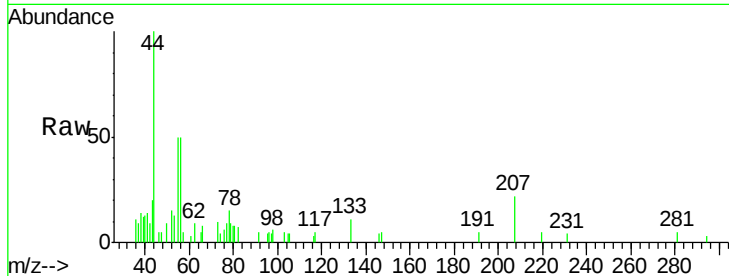
55 104.5 57.1 85.7#

Manual Integrations

APPROVED

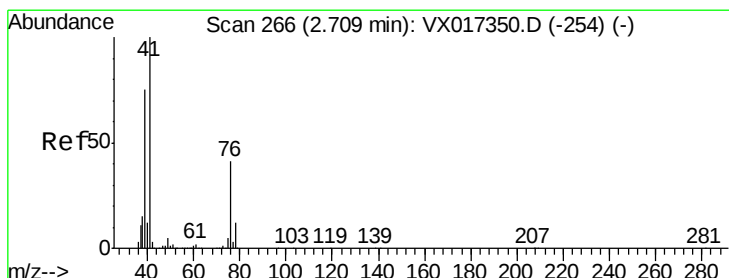
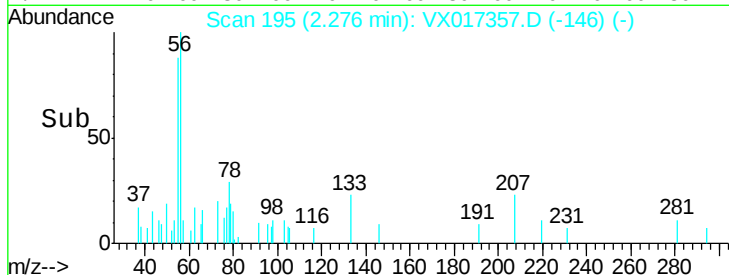
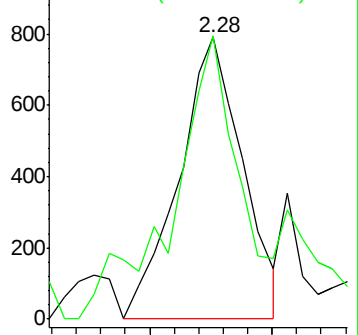
MMDadoda

7/14/2020 11:36:03 AM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 0.842 ug/l

RT: 2.71 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX017357.D

Acq: 13 Jul 2020 16:50

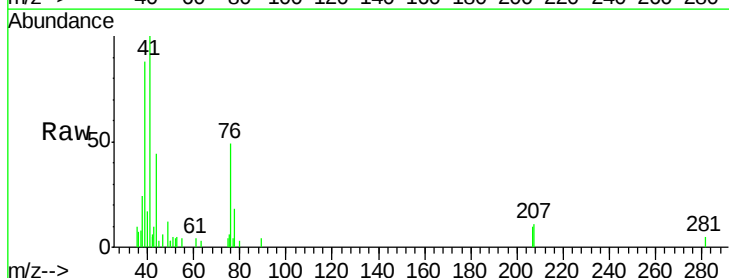
Tgt Ion: 41 Resp: 4160

Ion Ratio Lower Upper

41 100

39 78.8 53.0 79.4

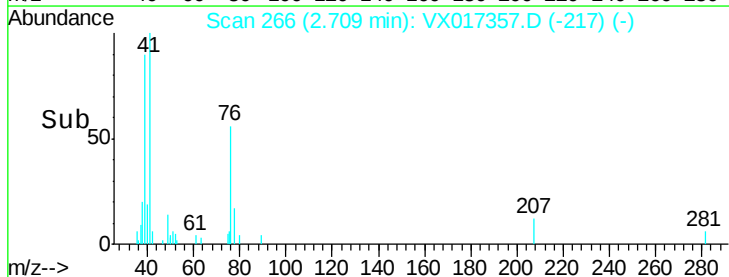
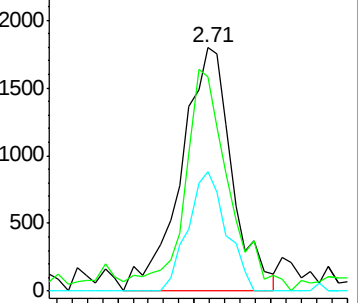
76 36.9 28.2 42.2

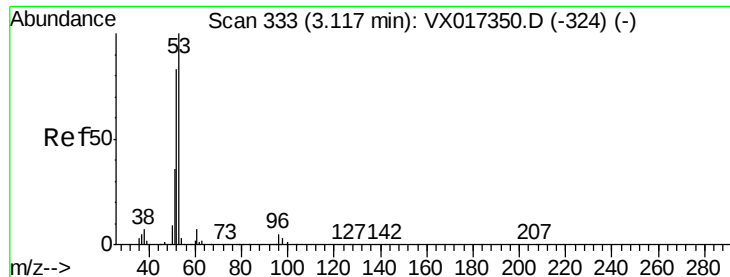


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 4.743 ug/l

RT: 3.12 min Scan# 334

Delta R.T. 0.01 min

Lab File: VX017357.D

Acq: 13 Jul 2020 16:50

Instrument :

MSVOA_X

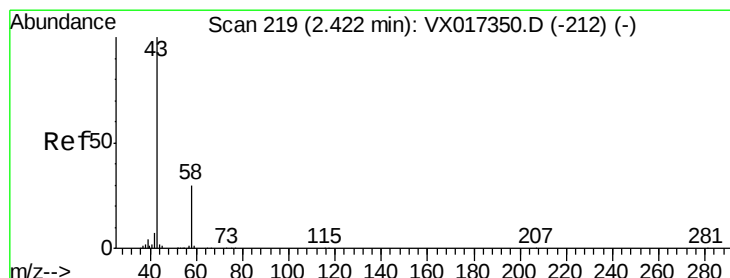
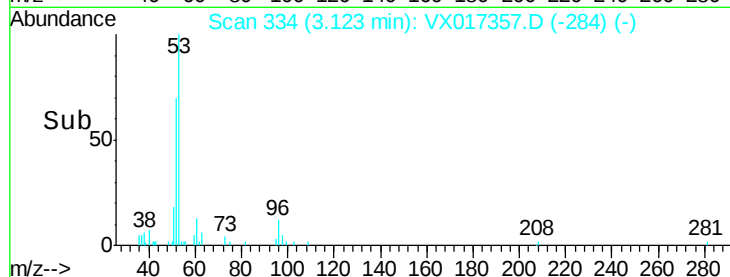
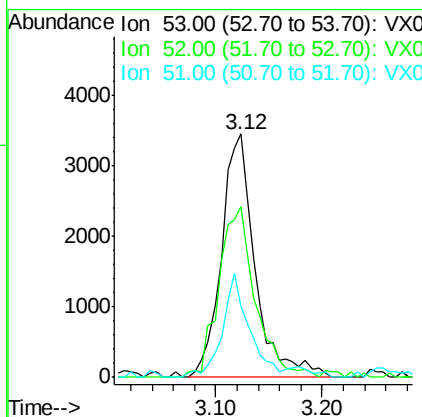
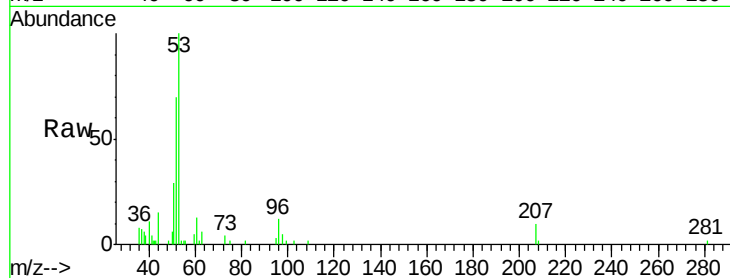
ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:	53	Resp:	7618
Ion	Ratio	Lower	Upper
53	100		
52	75.8	65.8	98.6
51	34.4	29.2	43.8

Manual Integrations
APPROVED

MMDadoda
7/14/2020 11:36:03 AM



#16

Acetone

Concen: 4.546 ug/l

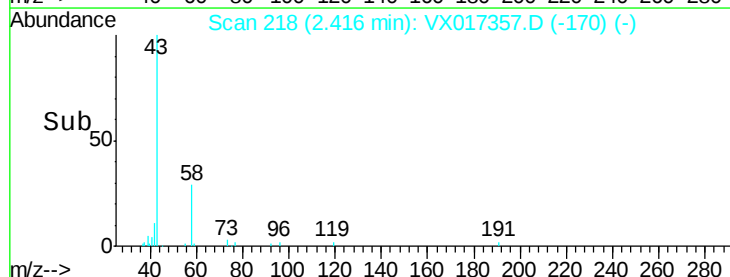
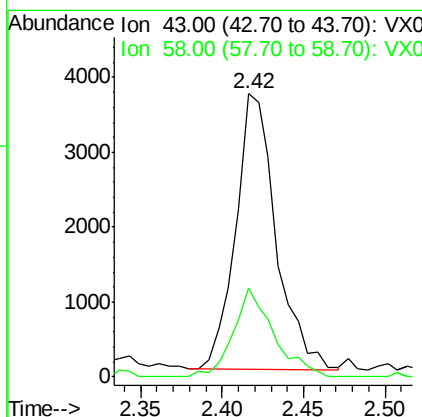
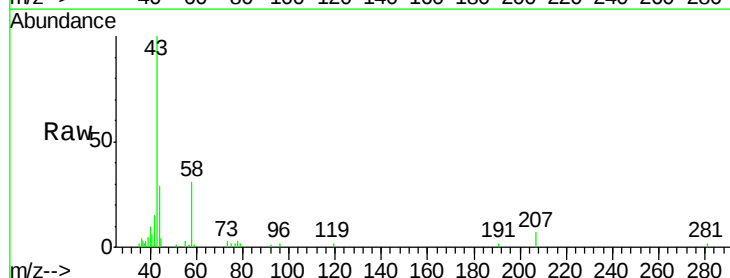
RT: 2.42 min Scan# 218

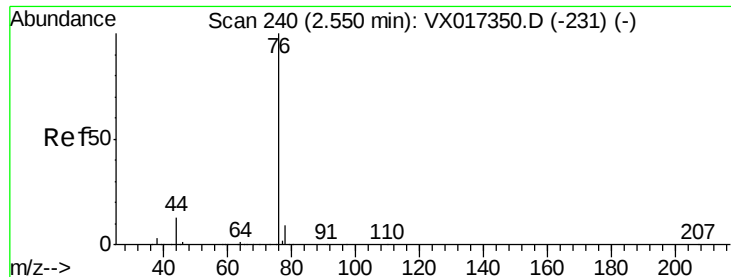
Delta R.T. -0.01 min

Lab File: VX017357.D

Acq: 13 Jul 2020 16:50

Tgt Ion:	43	Resp:	6377
Ion	Ratio	Lower	Upper
43	100		
58	32.1	24.2	36.2





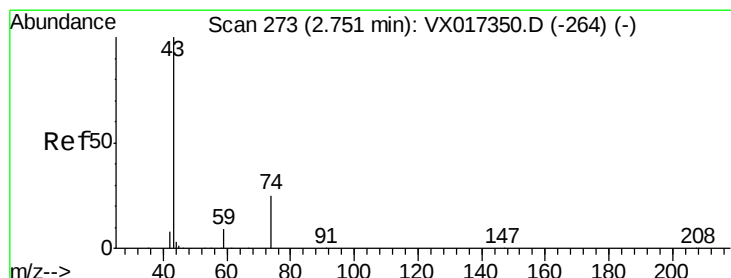
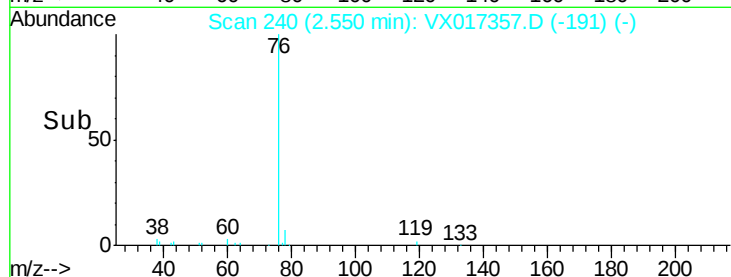
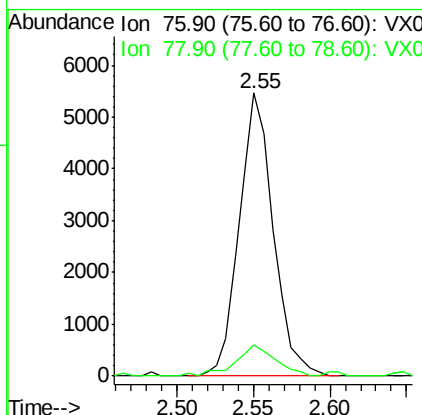
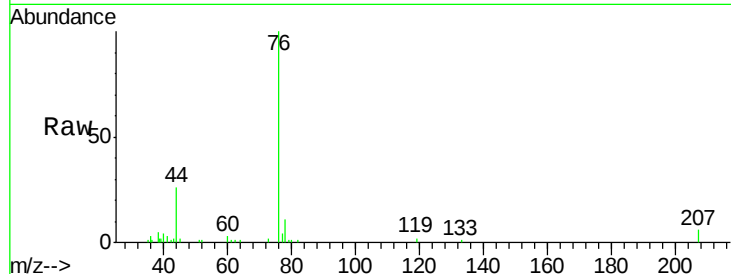
#17
Carbon Disulfide
Concen: 1.012 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VX017357.D
Acq: 13 Jul 2020 16:50

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.3	10.9

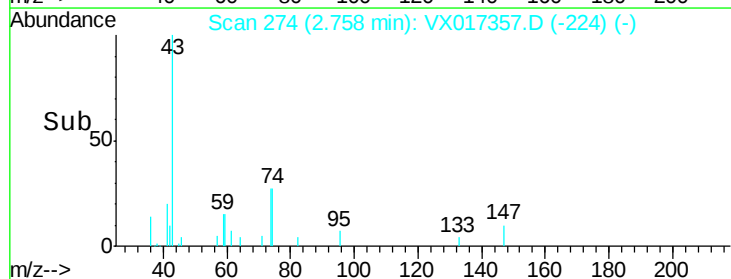
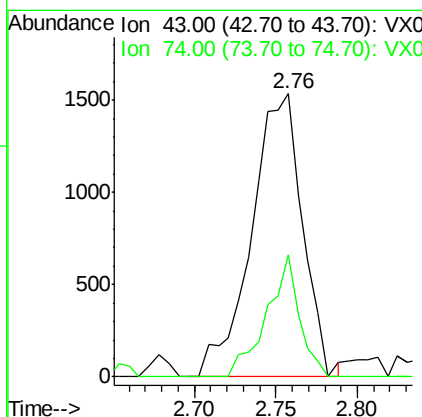
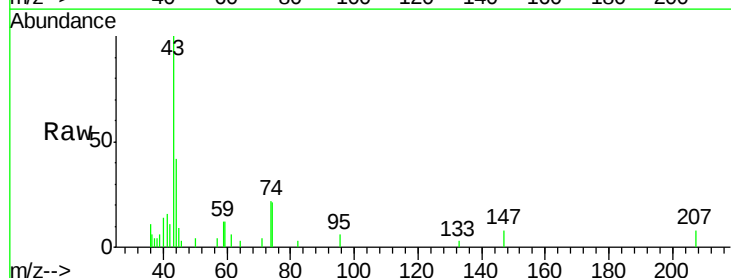
Manual Integrations
APPROVED

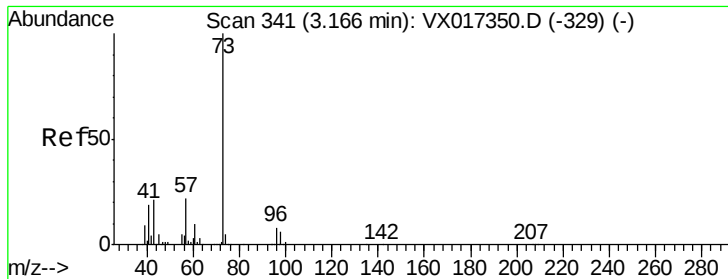
MMDadoda
7/14/2020 11:36:03 AM



#18
Methyl Acetate
Concen: 0.966 ug/l
RT: 2.76 min Scan# 274
Delta R.T. 0.01 min
Lab File: VX017357.D
Acq: 13 Jul 2020 16:50

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.4	19.4	29.2





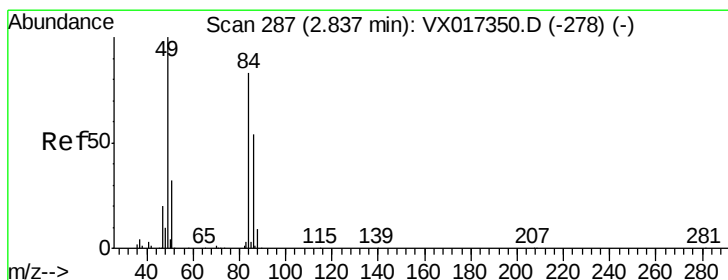
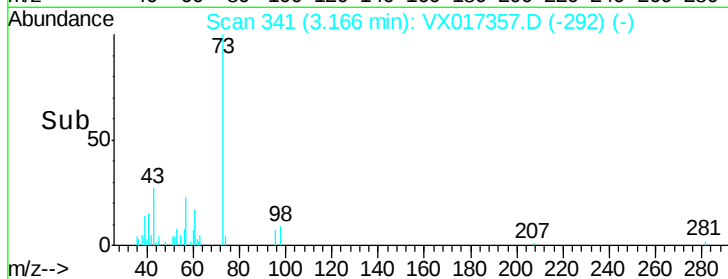
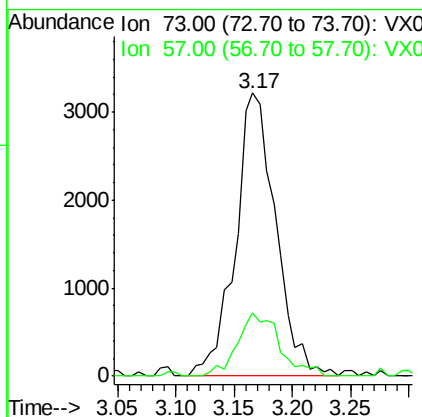
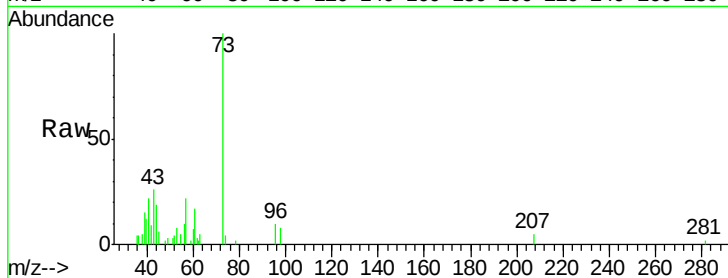
#19
Methvl tert-butvl Ether
Concen: 0.801 ug/l
RT: 3.17 min Scan# 341
Delta R.T. 0.00 min
Lab File: VX017357.D
Acq: 13 Jul 2020 16:50

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.5	17.5	26.3

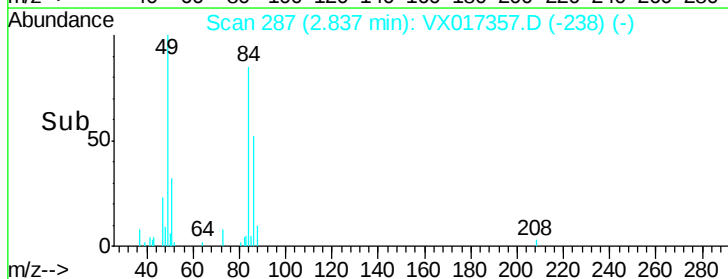
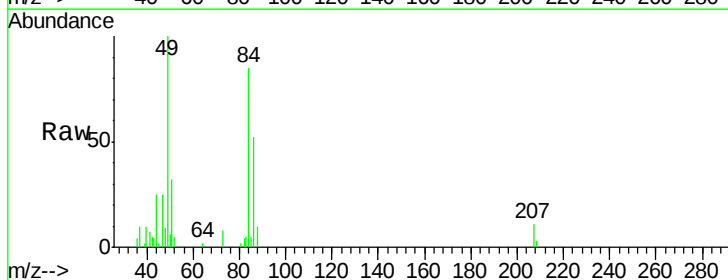
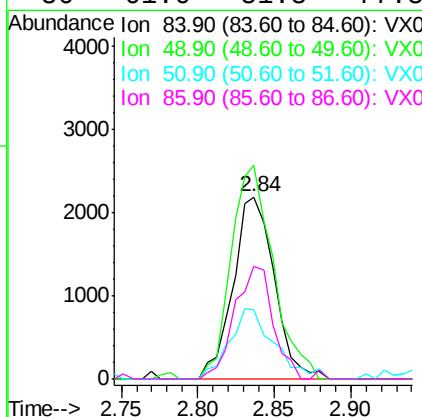
Manual Integrations
APPROVED

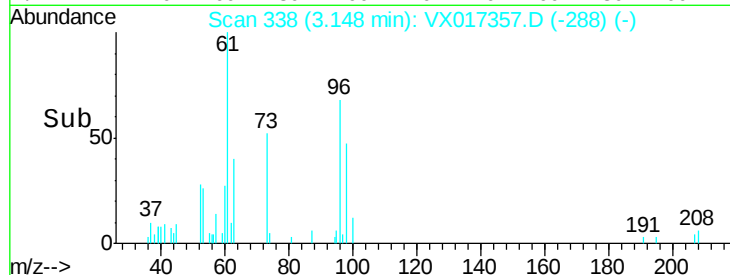
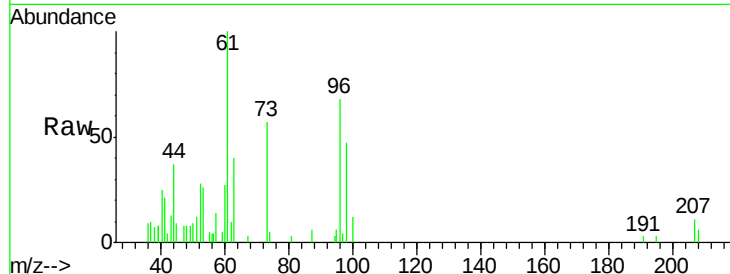
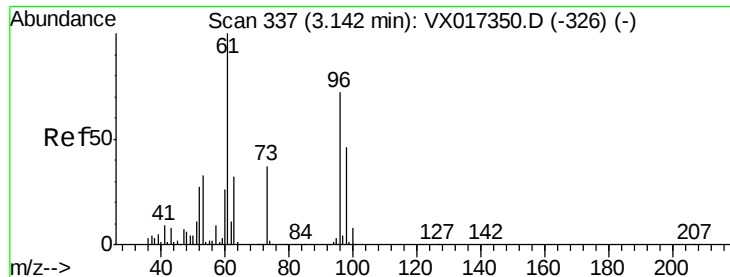
MMDadoda
7/14/2020 11:36:03 AM



#20
Methylene Chloride
Concen: 1.191 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017357.D
Acq: 13 Jul 2020 16:50

Tgt Ion	Ratio	Lower	Upper
84	100		
49	117.4	95.8	143.8
51	38.0	31.0	46.4
86	61.6	51.8	77.8





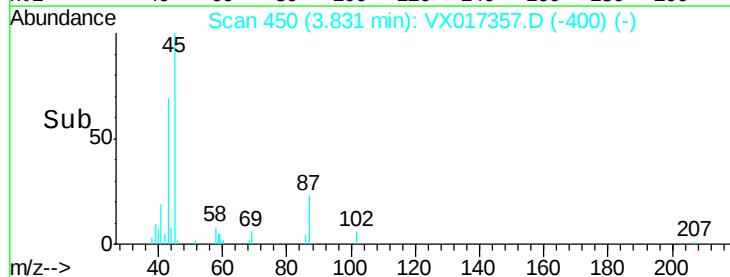
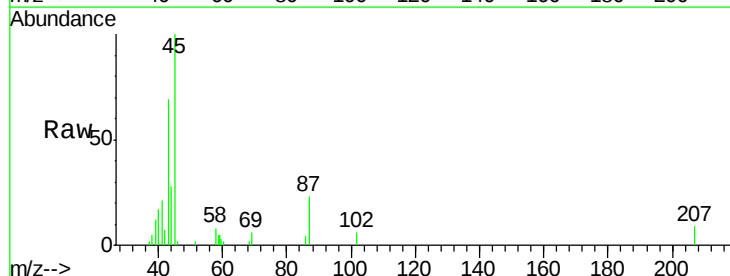
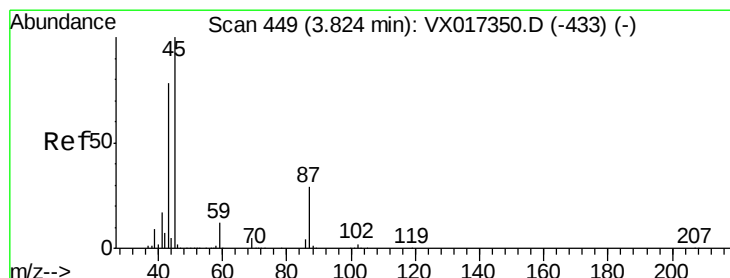
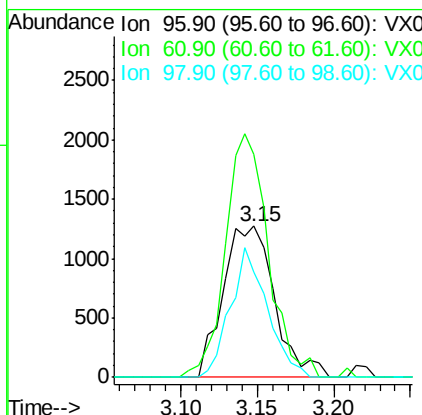
#21
trans-1,2-Dichloroethene
Concen: 0.909 ug/l
RT: 3.15 min Scan# 338
Delta R.T. 0.01 min
Lab File: VX017357.D
Acq: 13 Jul 2020 16:50

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.5	111.1	166.7
98	65.7	51.4	77.0

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

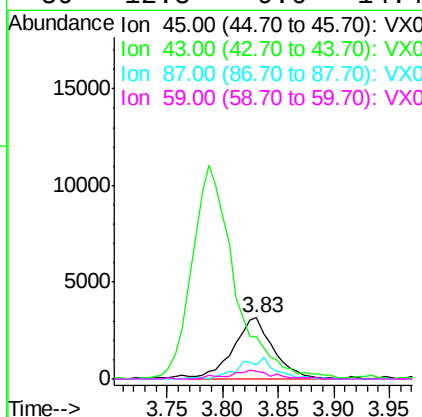
Manual Integrations
APPROVED

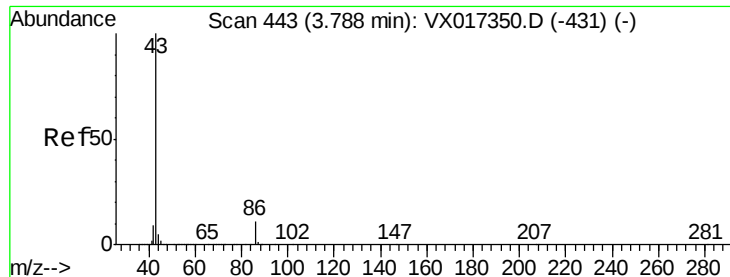
MMDadoda
7/14/2020 11:36:03 AM



#22
Diisopropyl ether
Concen: 0.842 ug/l
RT: 3.83 min Scan# 450
Delta R.T. 0.01 min
Lab File: VX017357.D
Acq: 13 Jul 2020 16:50

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.7	62.2	93.2
87	22.9	23.0	34.6#
59	12.8	9.6	14.4





#23

Vinyl Acetate

Concen: 3.608 ug/l

RT: 3.79 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX017357.D

Acq: 13 Jul 2020 16:50

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion: 43 Resp: 29859

Ion Ratio Lower Upper

43 100

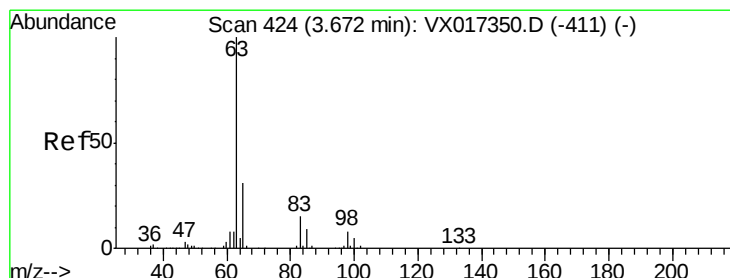
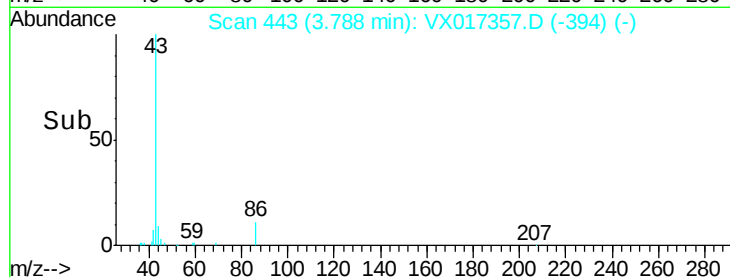
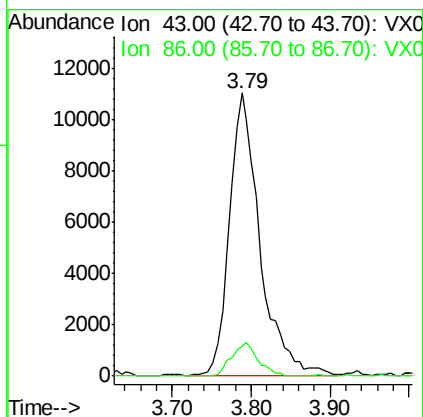
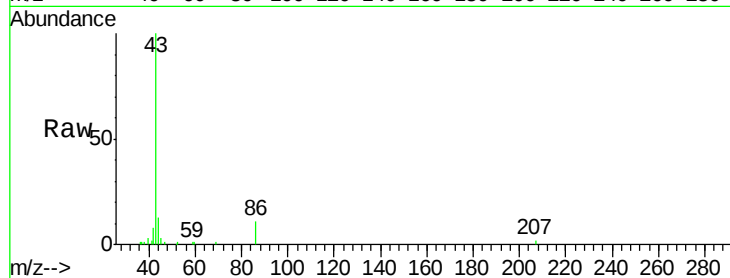
86 10.8 9.0 13.4

Manual Integrations

APPROVED

MMDadoda

7/14/2020 11:36:03 AM



#24

1,1-Dichloroethane

Concen: 0.823 ug/l

RT: 3.67 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX017357.D

Acq: 13 Jul 2020 16:50

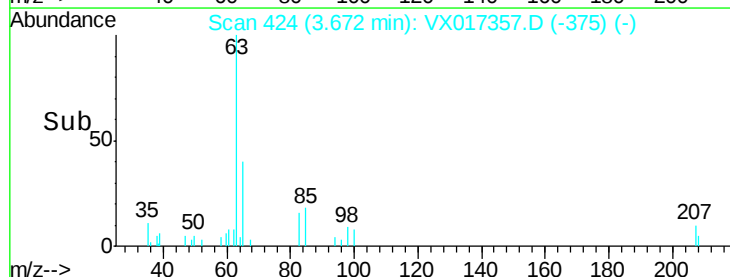
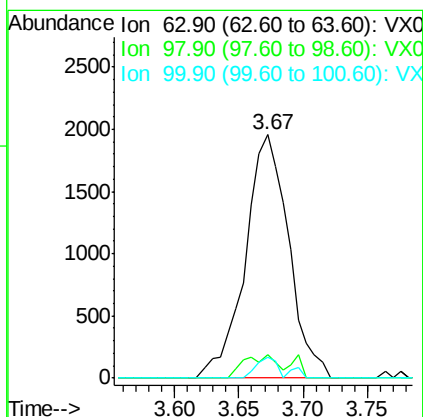
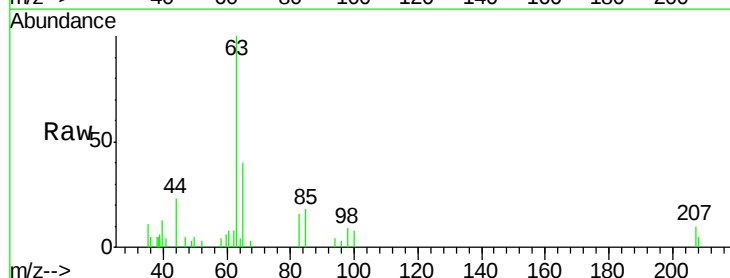
Tgt Ion: 63 Resp: 4552

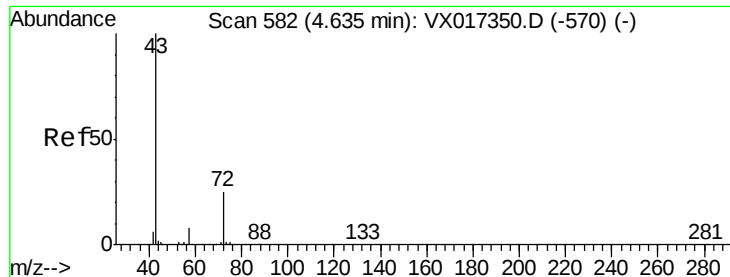
Ion Ratio Lower Upper

63 100

98 9.5 3.9 11.5

100 8.4 2.5 7.5#





#25

2-Butanone

Concen: 4.392 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX017357.D

Acq: 13 Jul 2020 16:50

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion: 43 Resp: 9785

Ion Ratio Lower Upper

43 100

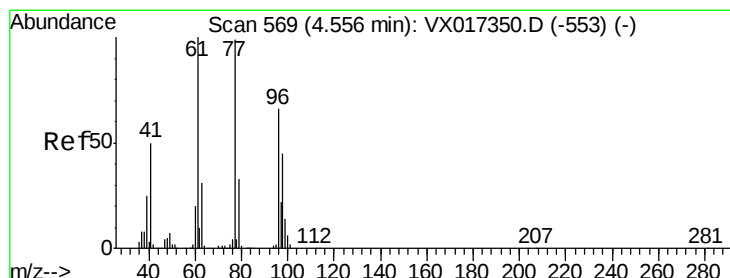
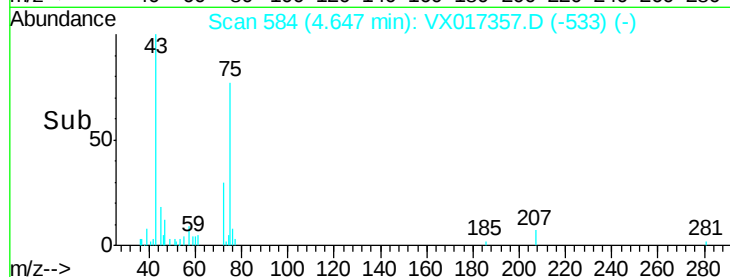
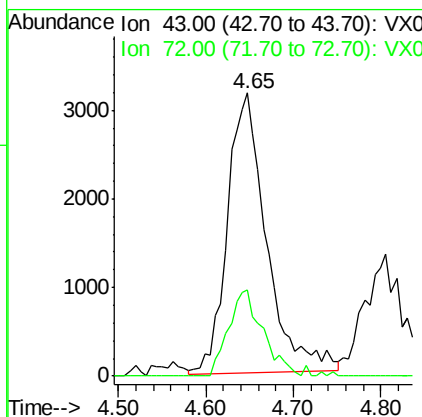
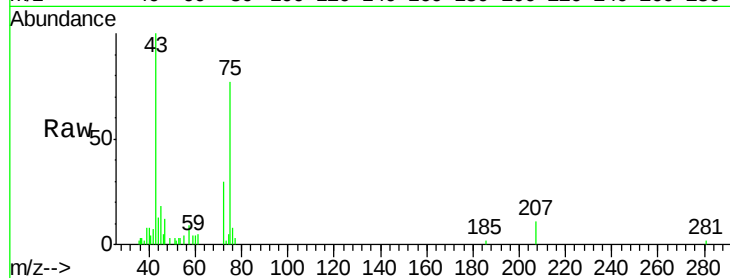
72 31.0 20.4 30.6#

Manual Integrations

APPROVED

MMDadoda

7/14/2020 11:36:03 AM



#26

2,2-Dichloropropane

Concen: 0.803 ug/l

RT: 4.55 min Scan# 568

Delta R.T. -0.01 min

Lab File: VX017357.D

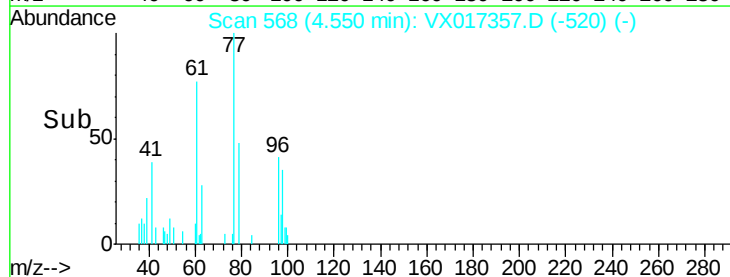
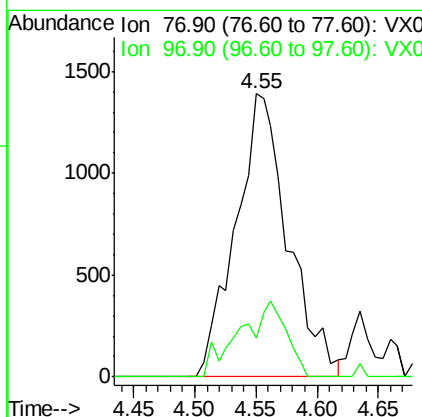
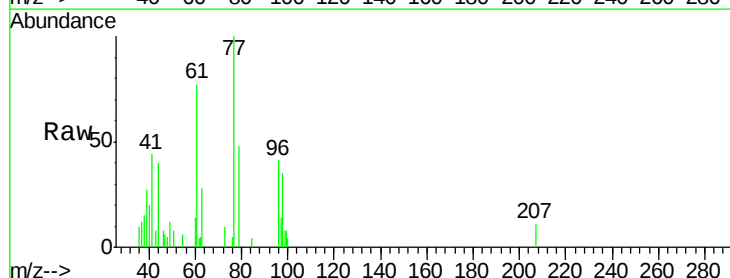
Acq: 13 Jul 2020 16:50

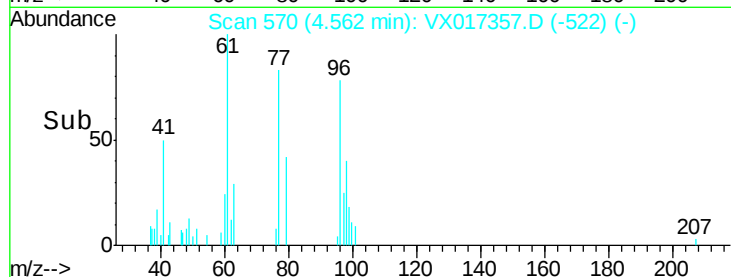
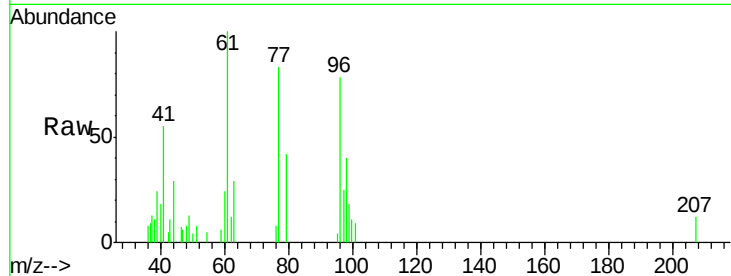
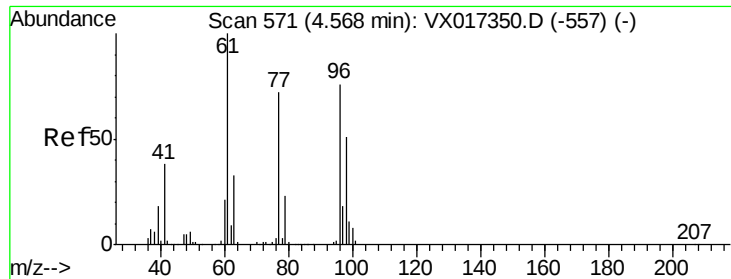
Tgt Ion: 77 Resp: 4134

Ion Ratio Lower Upper

77 100

97 24.0 11.1 33.3





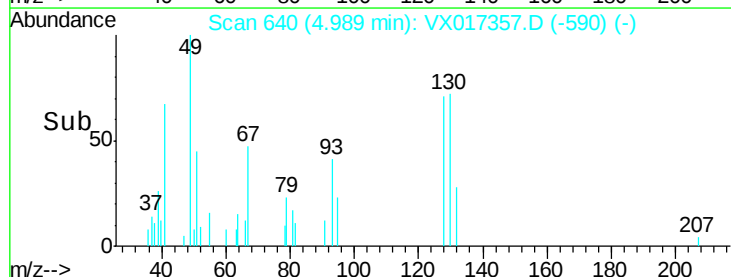
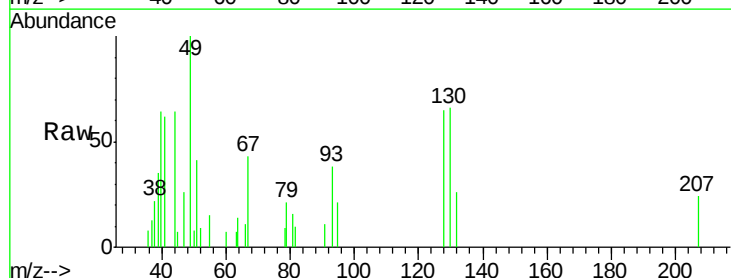
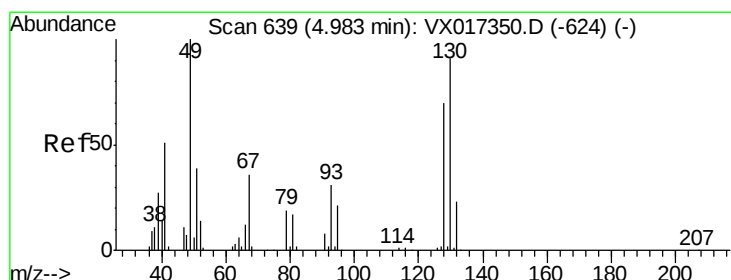
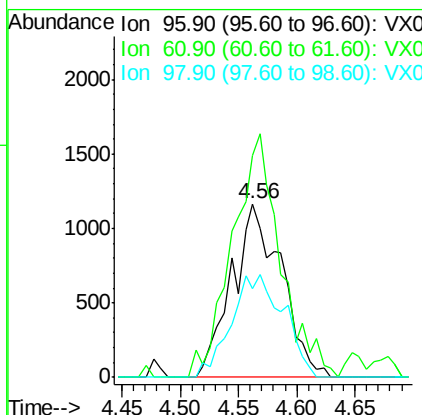
#27
cis-1,2-Dichloroethene
Concen: 0.961 ug/l
RT: 4.56 min Scan# 570
Delta R.T. -0.01 min
Lab File: VX017357.D
Acq: 13 Jul 2020 16:50

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	136.5	0.0	281.2	
98	62.7	0.0	131.4	

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

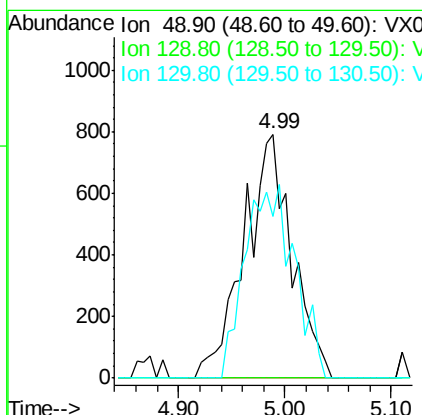
Manual Integrations
APPROVED

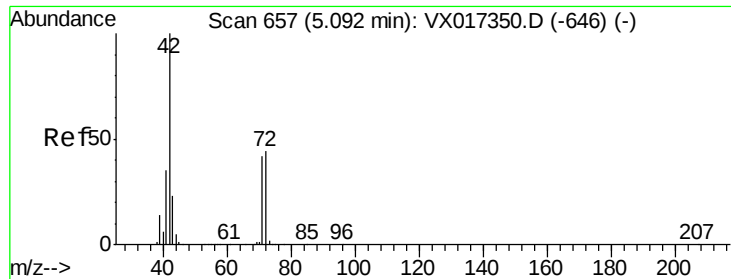
MMDadoda
7/14/2020 11:36:03 AM



#28
Bromochloromethane
Concen: 0.969 ug/l
RT: 4.99 min Scan# 640
Delta R.T. 0.01 min
Lab File: VX017357.D
Acq: 13 Jul 2020 16:50

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.0	0.0	4.8	
130	82.2	71.1	106.7	





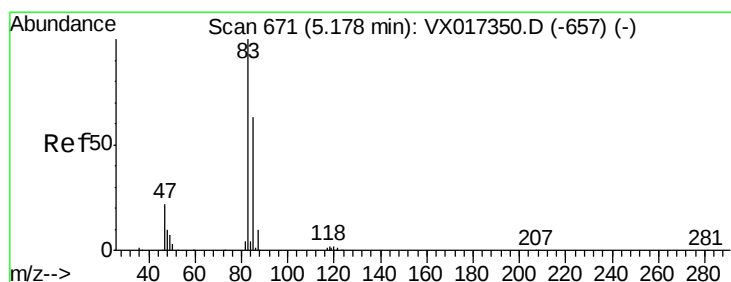
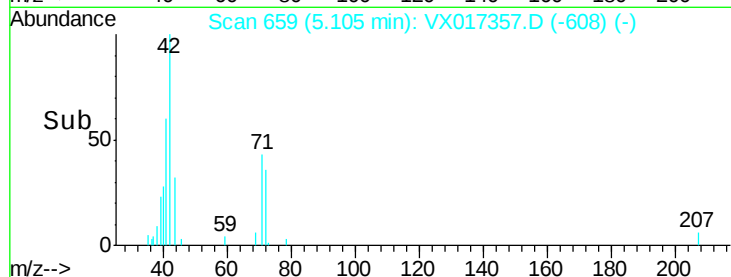
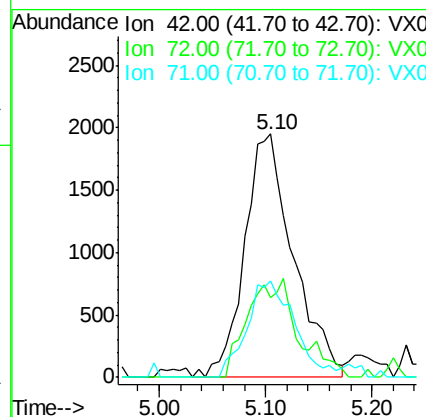
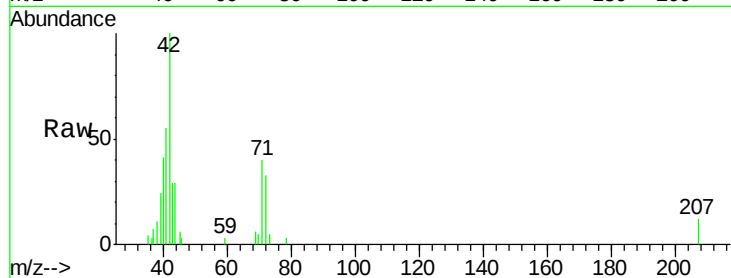
#29
Tetrahydrofuran
Concen: 4.337 ug/l
RT: 5.10 min Scan# 659
Delta R.T. 0.01 min
Lab File: VX017357.D
Acq: 13 Jul 2020 16:50

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion:	42	Resp:	6255
Ion	Ratio	Lower	Upper
42	100		
72	41.7	37.2	55.8
71	38.7	34.4	51.6

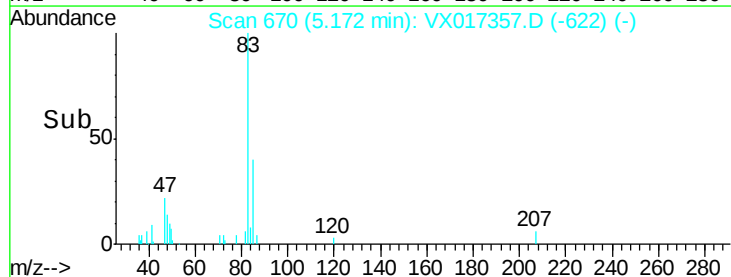
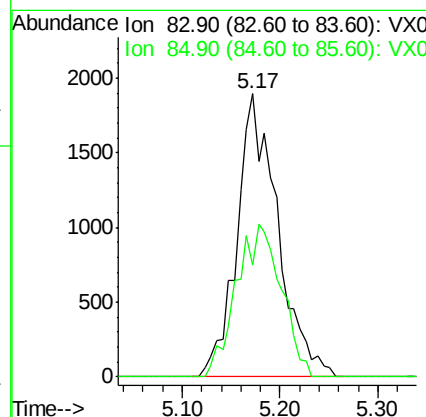
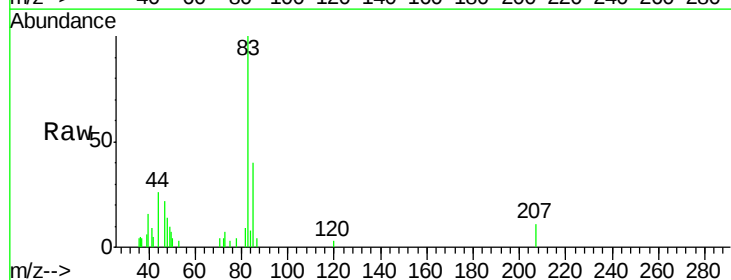
Manual Integrations
APPROVED

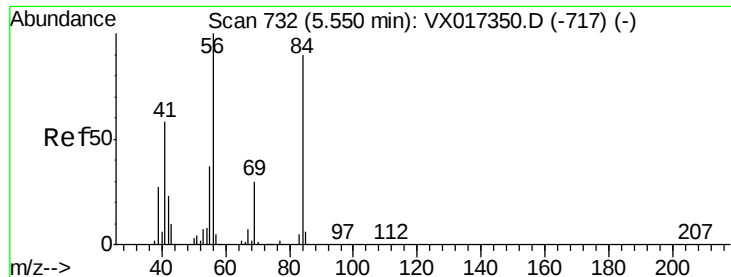
MMDadoda
7/14/2020 11:36:03 AM



#30
Chloroform
Concen: 0.921 ug/l
RT: 5.17 min Scan# 670
Delta R.T. -0.01 min
Lab File: VX017357.D
Acq: 13 Jul 2020 16:50

Tgt Ion:	83	Resp:	5481
Ion	Ratio	Lower	Upper
83	100		
85	39.5	50.2	75.4#





#31

Cyclohexane

Concen: 0.812 ug/l

RT: 5.55 min Scan# 732

Delta R.T. 0.00 min

Lab File: VX017357.D

Acq: 13 Jul 2020 16:50

Instrument :

MSVOA_X

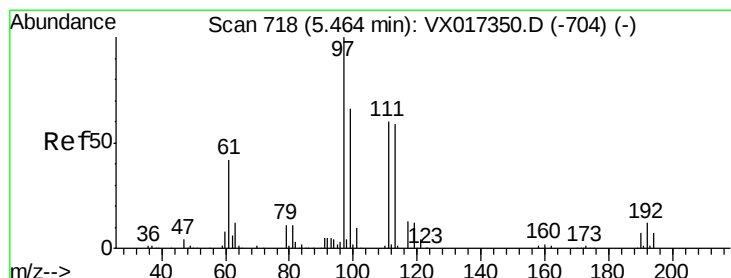
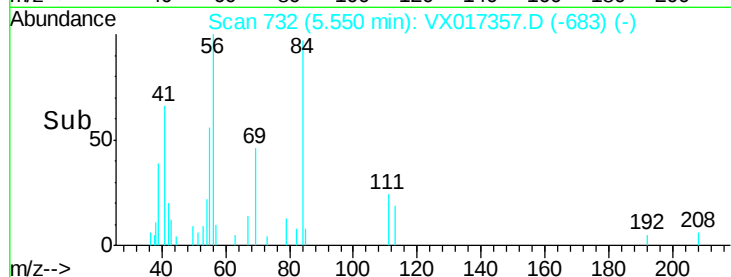
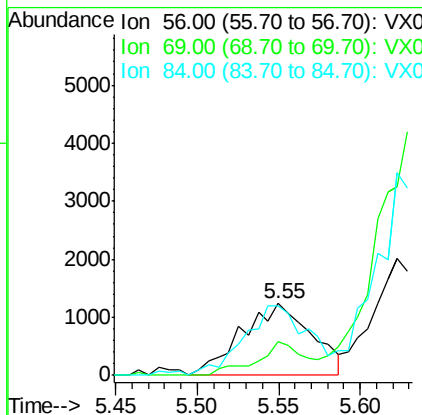
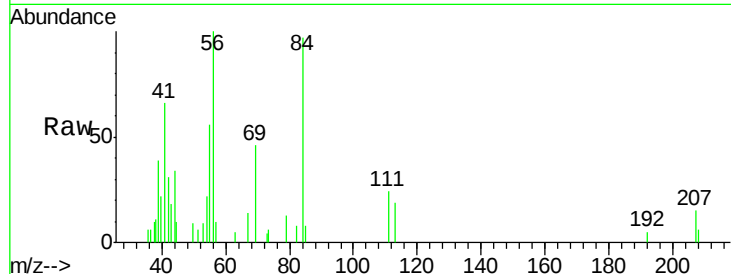
ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:	56	Resp:	3677
Ion	Ratio	Lower	Upper
56	100		
69	46.4	23.7	35.5#
84	96.9	71.8	107.6

Manual Integrations
APPROVED

MMDadoda
7/14/2020 11:36:03 AM



#32

1,1,1-Trichloroethane

Concen: 0.841 ug/l

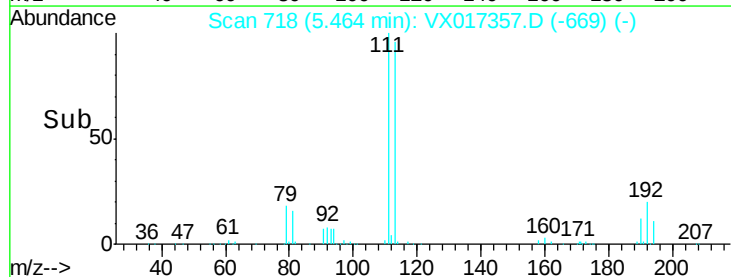
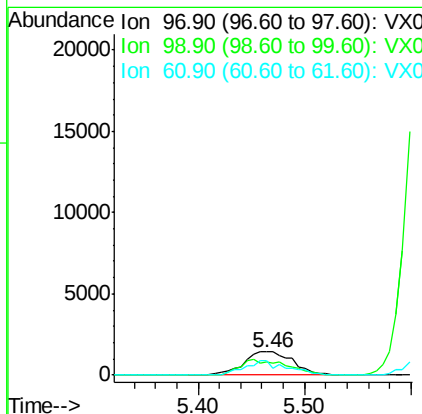
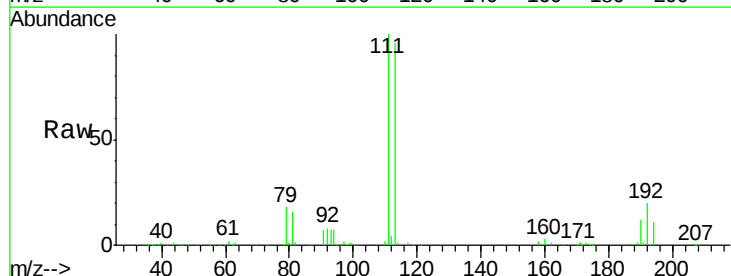
RT: 5.46 min Scan# 718

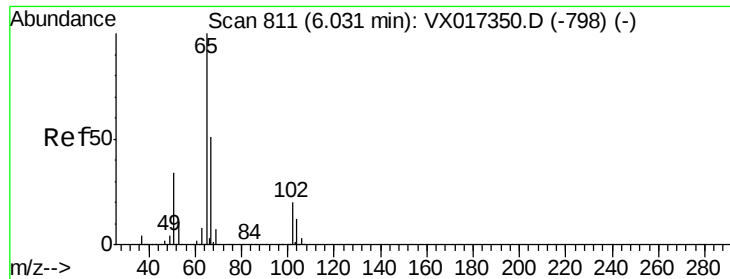
Delta R.T. 0.00 min

Lab File: VX017357.D

Acq: 13 Jul 2020 16:50

Tgt Ion:	97	Resp:	4627
Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.2	76.8#
61	51.9	32.7	49.1#





#33

1,2-Dichloroethane-d4

Concen: 50.624 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX017357.D

Acq: 13 Jul 2020 16:50

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion: 65 Resp: 199061

Ion Ratio Lower Upper

65 100

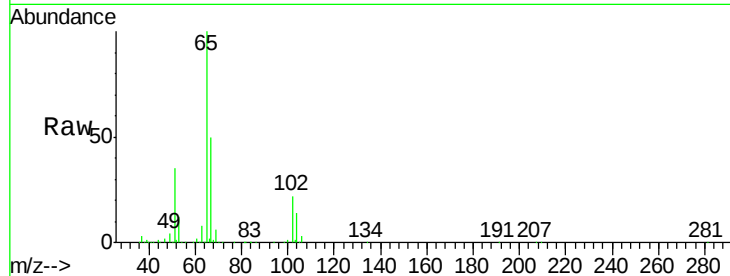
67 51.0 0.0 101.6

Manual Integrations

APPROVED

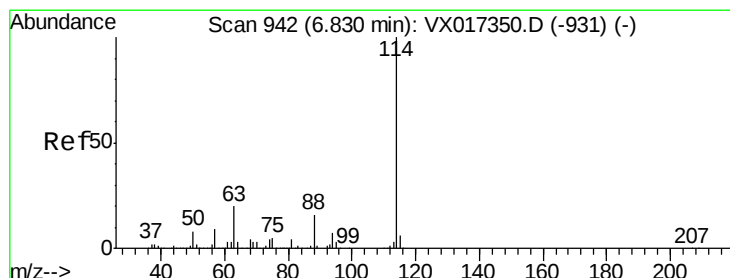
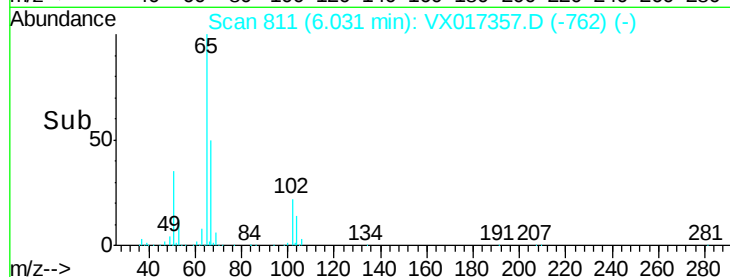
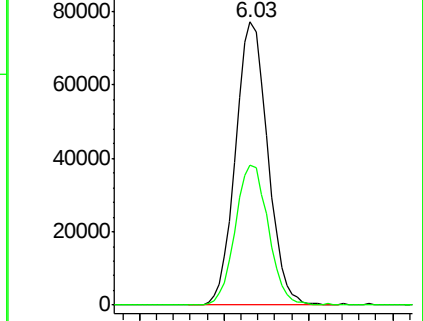
MMDadoda

7/14/2020 11:36:03 AM



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX017357.D

Acq: 13 Jul 2020 16:50

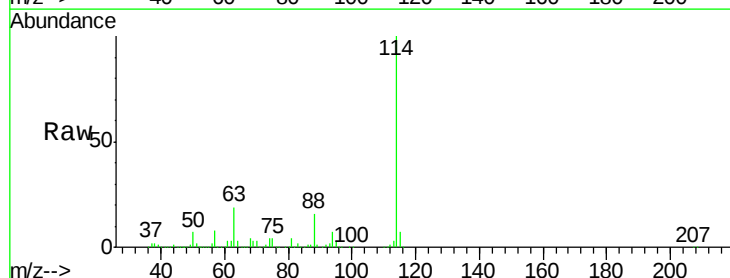
Tgt Ion:114 Resp: 511536

Ion Ratio Lower Upper

114 100

63 19.2 0.0 40.0

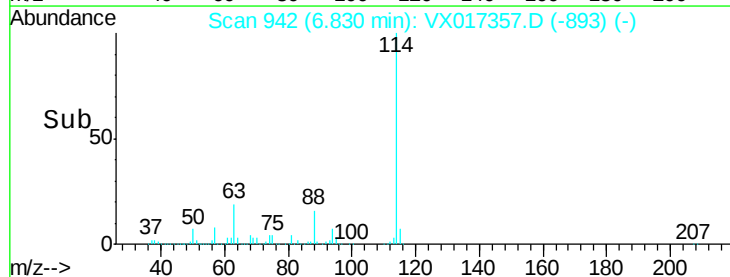
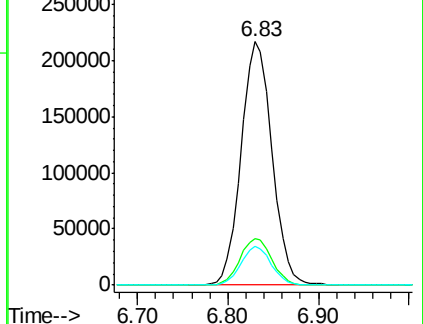
88 16.1 0.0 32.8

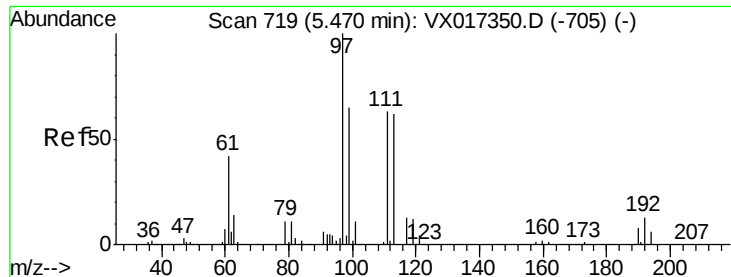


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 47.204 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX017357.D

Acq: 13 Jul 2020 16:50

Instrument :

MSVOA_X

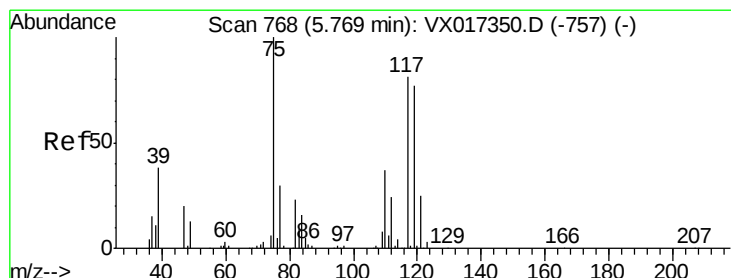
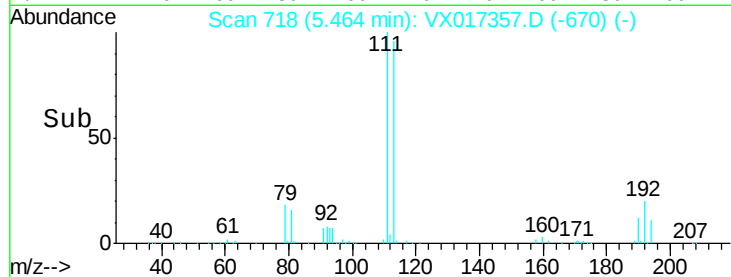
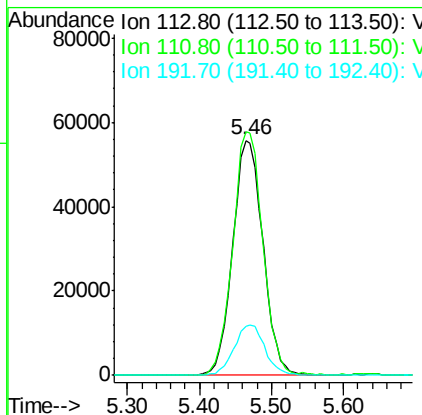
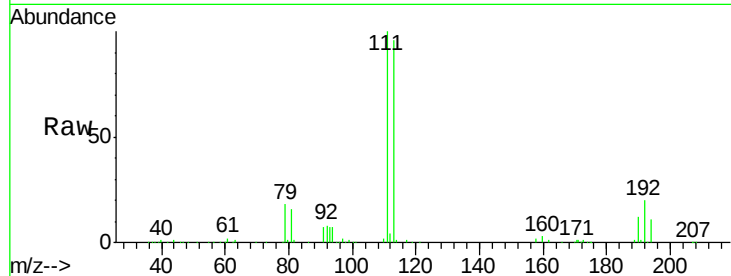
ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:	113	Resp:	162657
Ion Ratio	Lower	Upper	
113	100		
111	103.0	82.4	123.6
192	21.5	17.2	25.8

Manual Integrations
APPROVED

MMDadoda
7/14/2020 11:36:03 AM



#36

1,1-Dichloropropene

Concen: 0.835 ug/l

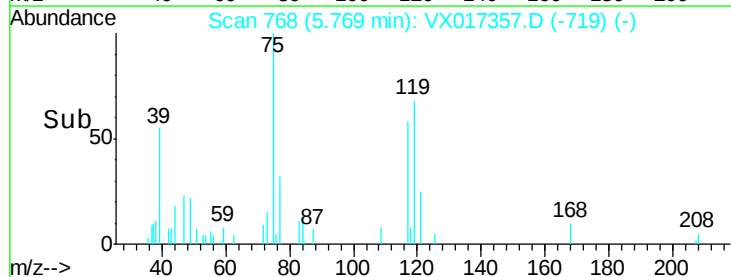
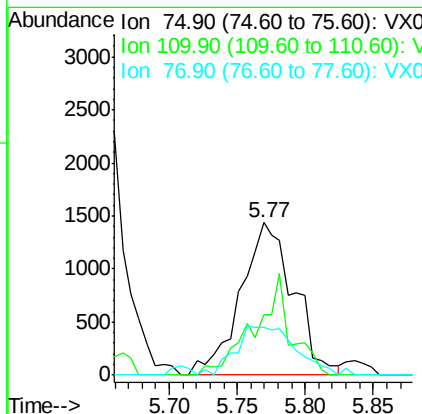
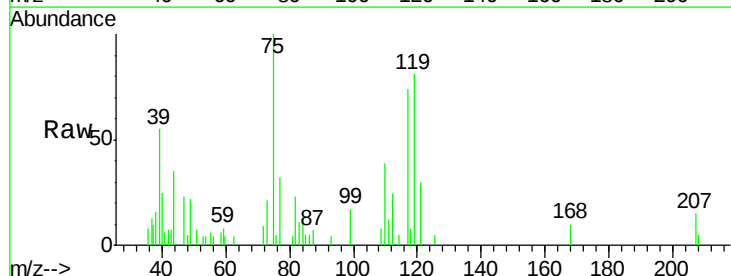
RT: 5.77 min Scan# 768

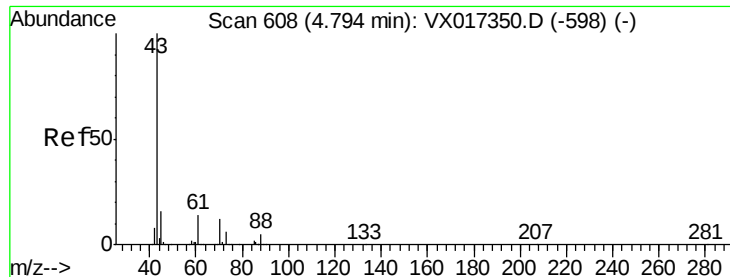
Delta R.T. 0.00 min

Lab File: VX017357.D

Acq: 13 Jul 2020 16:50

Tgt Ion:	75	Resp:	3927
Ion Ratio	Lower	Upper	
75	100		
110	45.4	18.6	55.8
77	0.0	24.9	37.3#





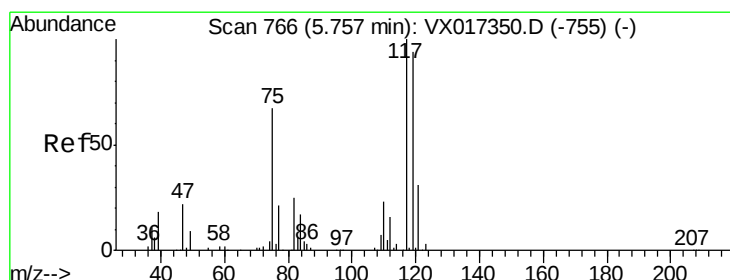
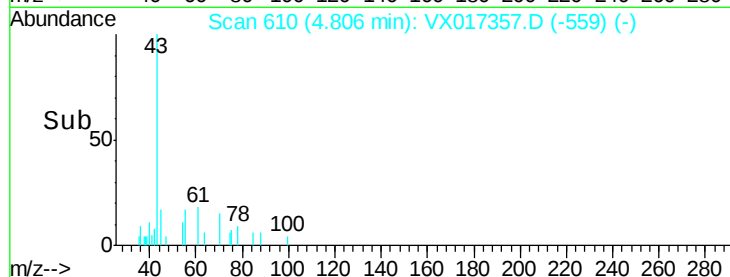
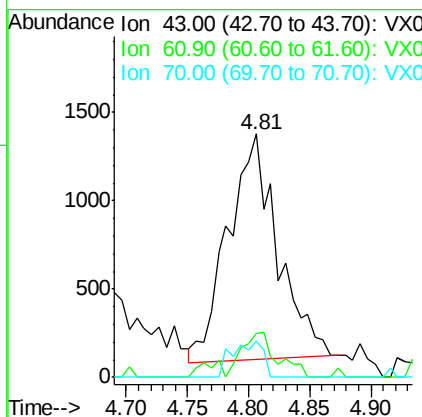
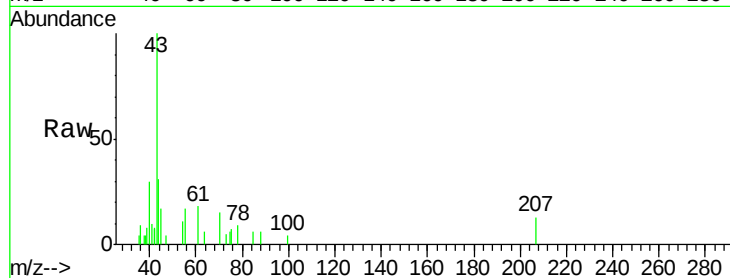
#37
Ethyl Acetate
Concen: 0.749 ug/l
RT: 4.81 min Scan# 610
Delta R.T. 0.01 min
Lab File: VX017357.D
Acq: 13 Jul 2020 16:50

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion:	43	Resp:	3644
Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.7	16.1
70	9.9	9.0	13.6

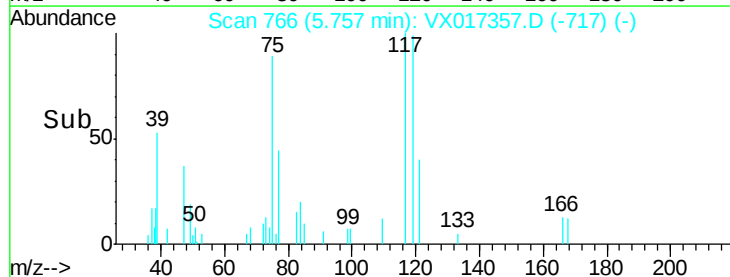
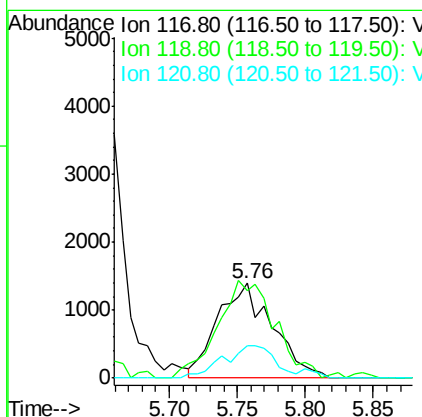
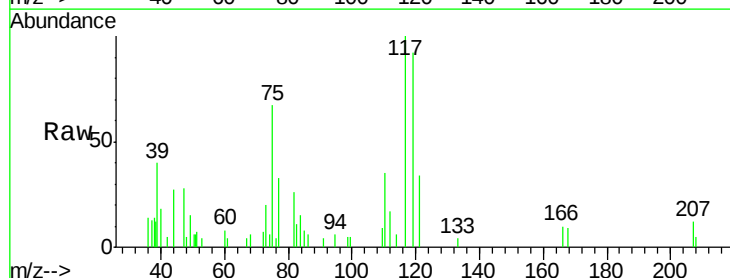
Manual Integrations
APPROVED

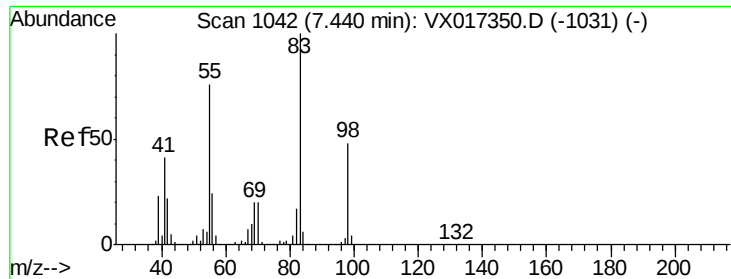
MMDadoda
7/14/2020 11:36:03 AM



#38
Carbon Tetrachloride
Concen: 0.711 ug/l
RT: 5.76 min Scan# 766
Delta R.T. 0.00 min
Lab File: VX017357.D
Acq: 13 Jul 2020 16:50

Tgt Ion:	117	Resp:	3918
Ion	Ratio	Lower	Upper
117	100		
119	85.6	74.7	112.1
121	34.5	24.5	36.7





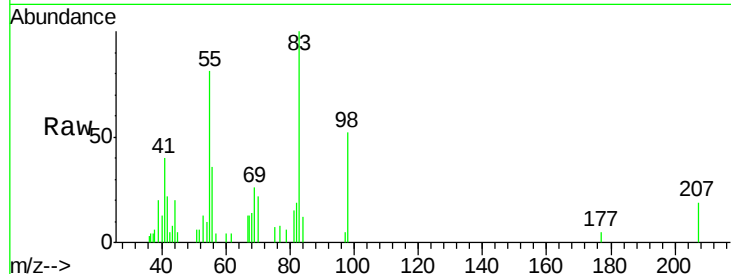
#39
Methvlcvclohexane
Concen: 0.795 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VX017357.D
Acq: 13 Jul 2020 16:50

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

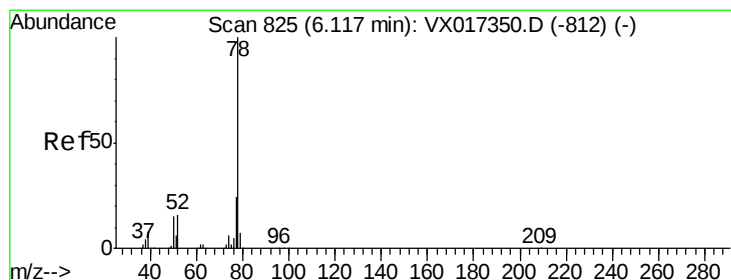
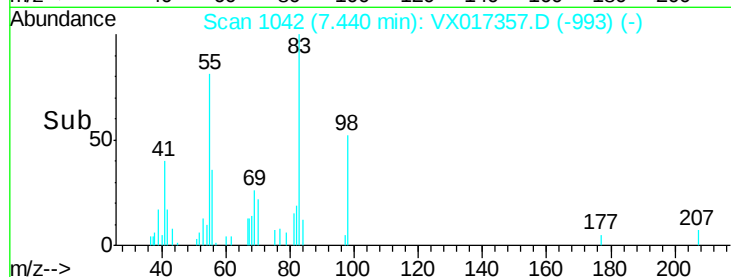
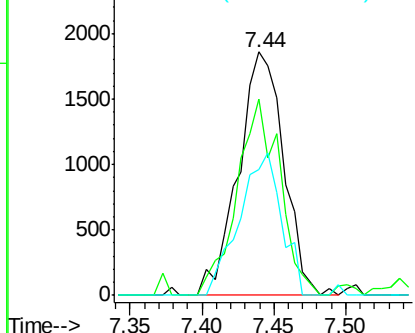
Tot Ion	Ratio	Lower	Upper
83	100		
55	80.7	61.2	91.8
98	51.9	38.1	57.1

Manual Integrations
APPROVED

MMDadoda
7/14/2020 11:36:03 AM

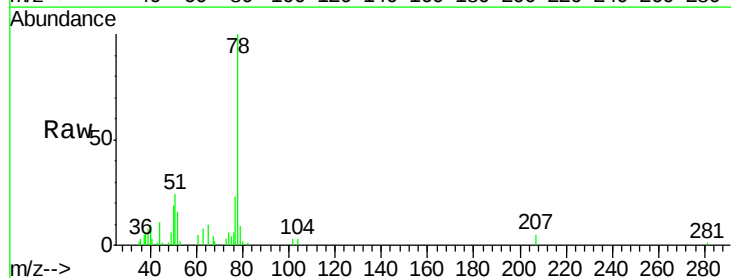


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

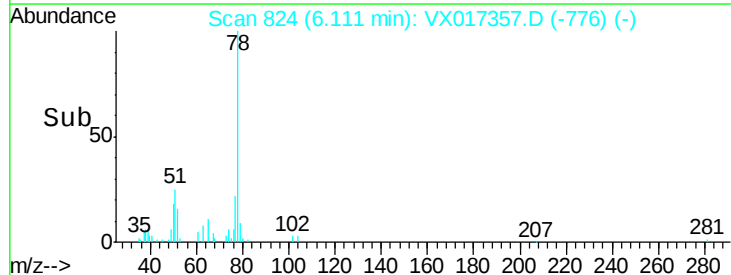
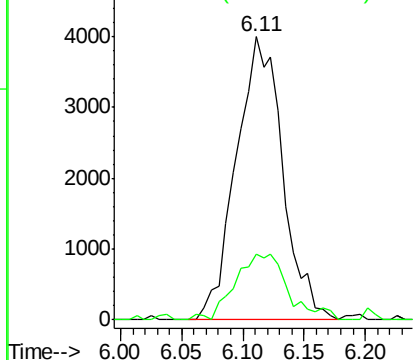


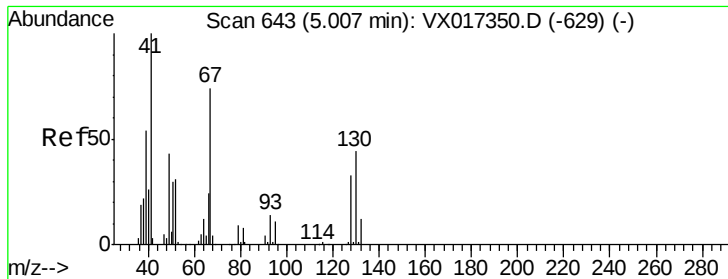
#40
Benzene
Concen: 0.780 ug/l
RT: 6.11 min Scan# 824
Delta R.T. -0.01 min
Lab File: VX017357.D
Acq: 13 Jul 2020 16:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.9	28.3



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0





#41

Methacrylonitrile

Concen: 0.954 ug/l

RT: 5.01 min Scan# 643

Delta R.T. 0.00 min

Lab File: VX017357.D

Acq: 13 Jul 2020 16:50

Instrument :

MSVOA_X

ClientSampleId :

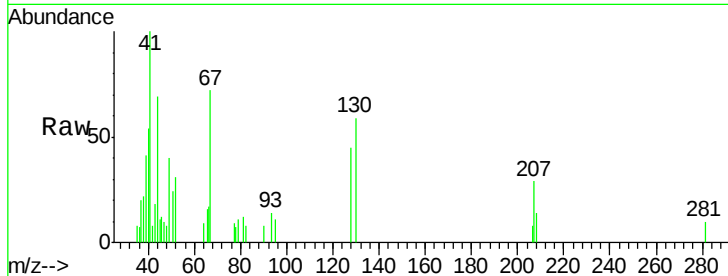
LOD-MDL-WATER-01-QT3-2020

Tot Ion: 41 Resp: 2493

Ion	Ratio	Lower	Upper
41	100		
39	14.5	43.8	65.8#
67	59.7	58.7	88.1
52	27.0	24.9	37.3

Manual Integrations
APPROVED

MMDadoda
7/14/2020 11:36:03 AM

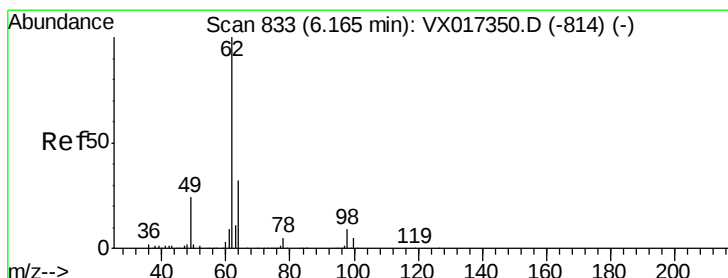
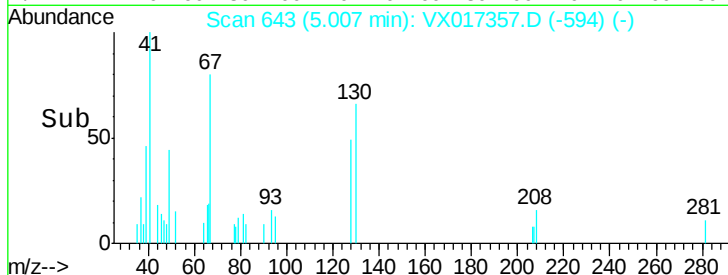
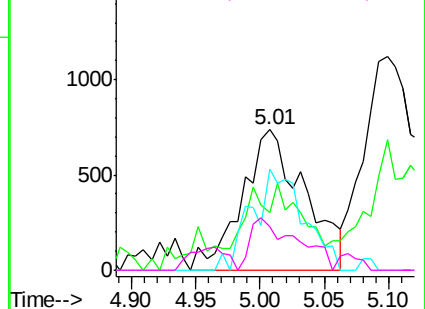


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 0.876 ug/l

RT: 6.17 min Scan# 833

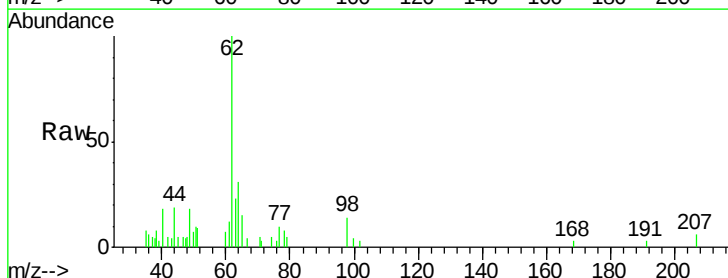
Delta R.T. 0.00 min

Lab File: VX017357.D

Acq: 13 Jul 2020 16:50

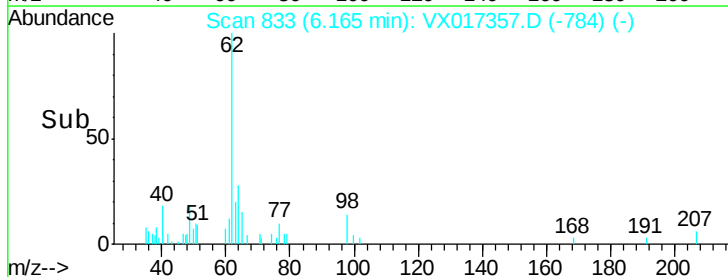
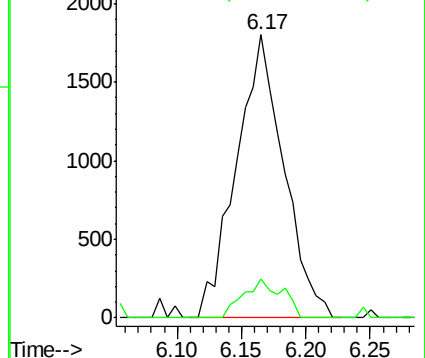
Tgt Ion: 62 Resp: 4602

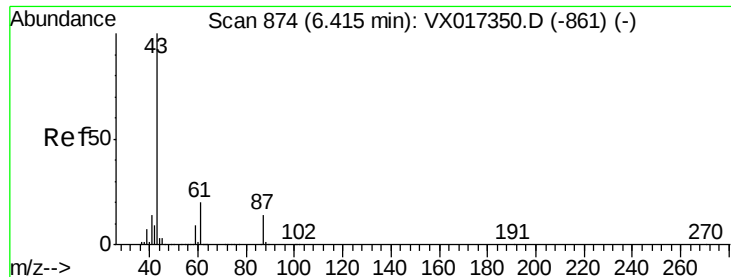
Ion	Ratio	Lower	Upper
62	100		
98	11.2	0.0	19.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

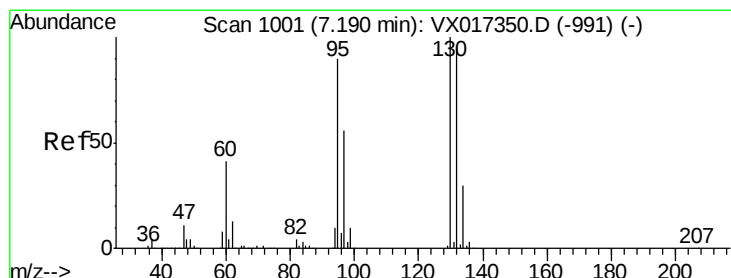
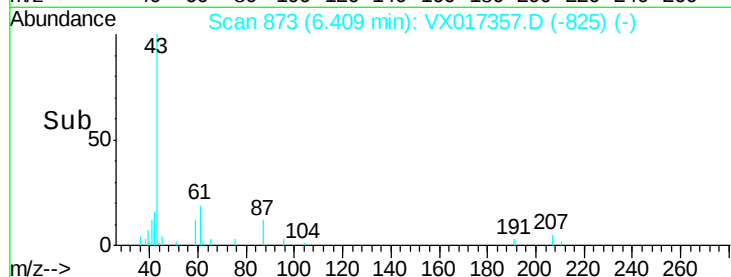
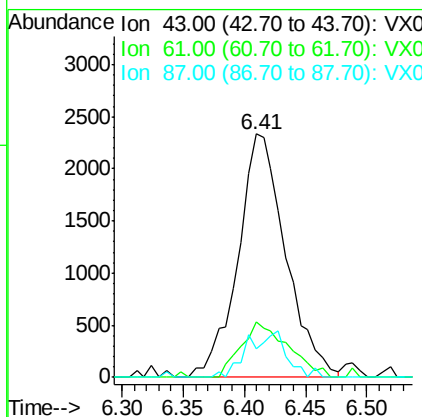
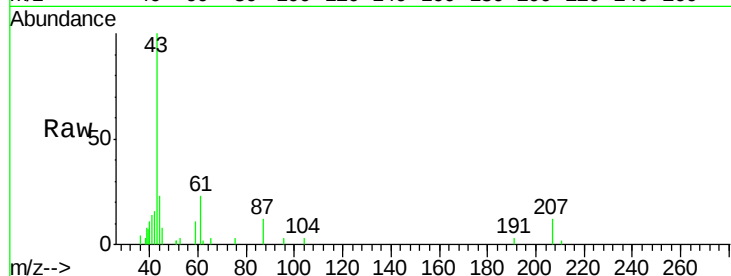
Isopropyl Acetate
 Concen: 0.816 ug/l
 RT: 6.41 min Scan# 873
 Delta R.T. -0.01 min
 Lab File: VX017357.D
 Acq: 13 Jul 2020 16:50

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.4	16.4	24.6
87	15.6	11.2	16.8

Manual Integrations
 APPROVED

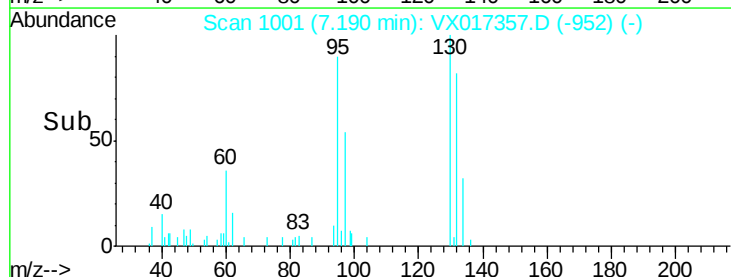
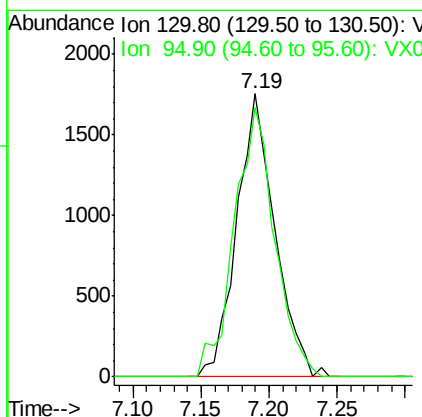
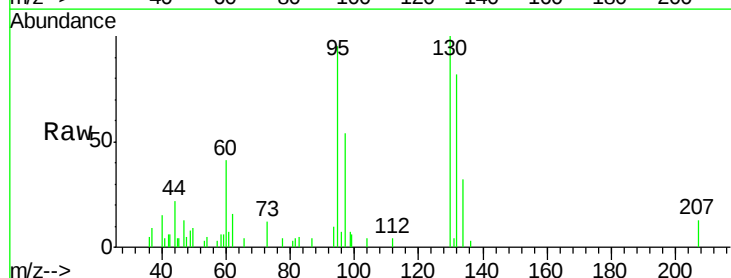
MMDadoda
 7/14/2020 11:36:03 AM

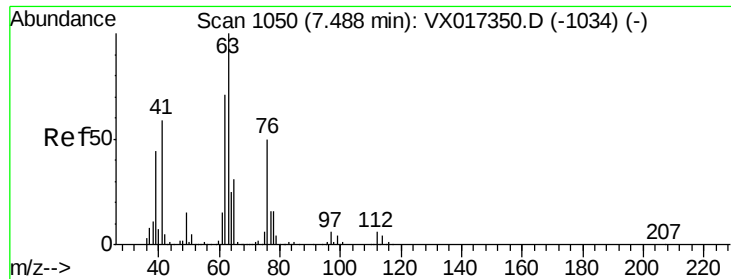


#44

Trichloroethene
 Concen: 0.832 ug/l
 RT: 7.19 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VX017357.D
 Acq: 13 Jul 2020 16:50

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.9	0.0	180.2





#45

1,2-Dichloropropane

Concen: 0.866 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VX017357.D

Acq: 13 Jul 2020 16:50

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion: 63 Resp: 2997

Ion Ratio Lower Upper

63 100

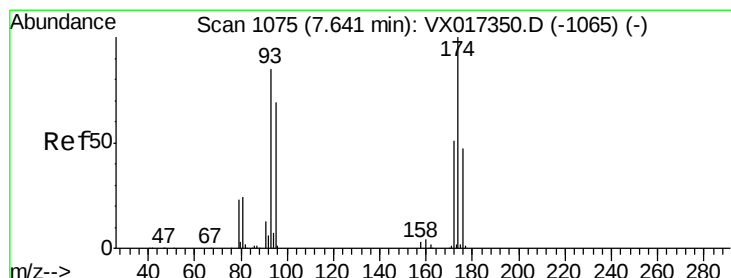
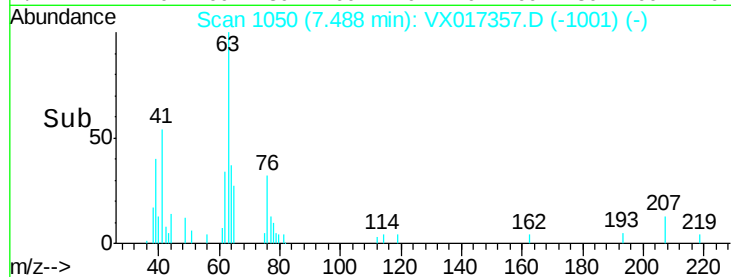
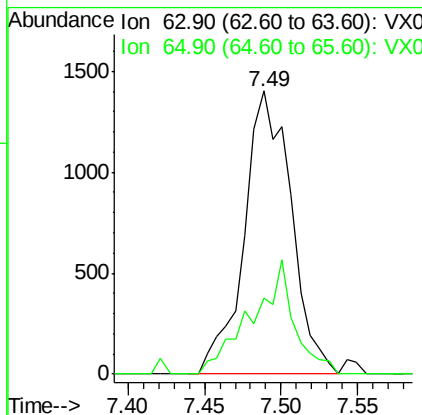
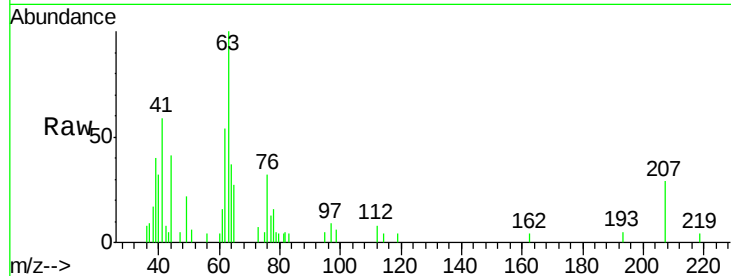
65 26.9 24.5 36.7

Manual Integrations

APPROVED

MMDadoda

7/14/2020 11:36:03 AM



#46

Dibromomethane

Concen: 0.880 ug/l

RT: 7.63 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VX017357.D

Acq: 13 Jul 2020 16:50

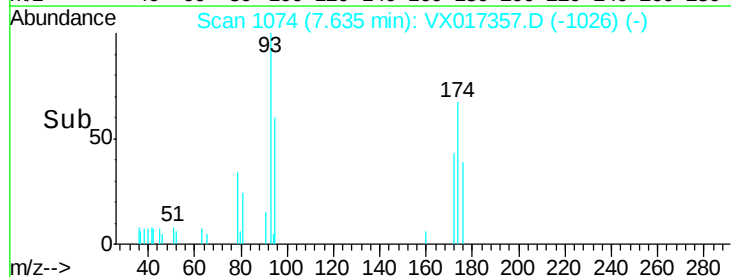
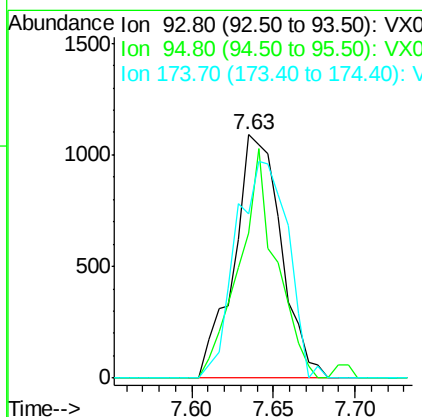
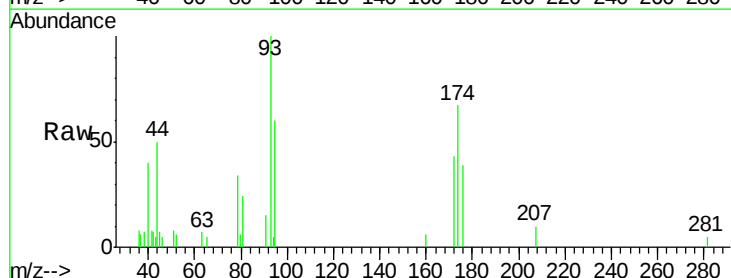
Tgt Ion: 93 Resp: 2196

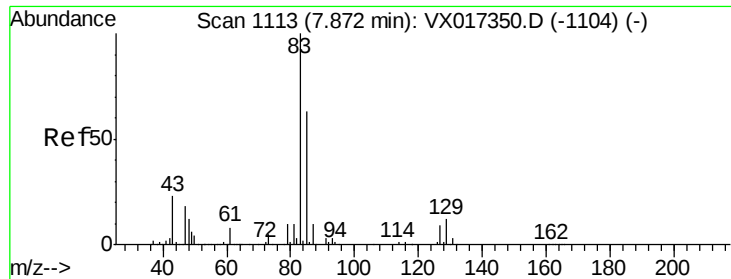
Ion Ratio Lower Upper

93 100

95 74.1 65.4 98.2

174 97.8 91.2 136.8





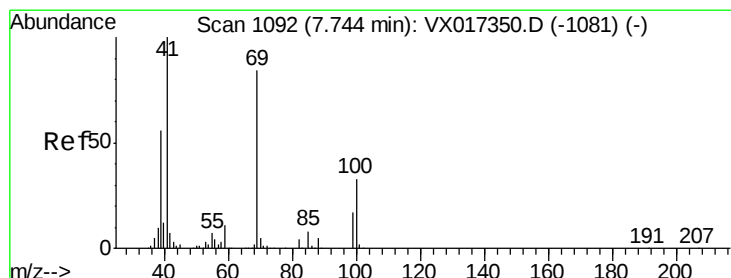
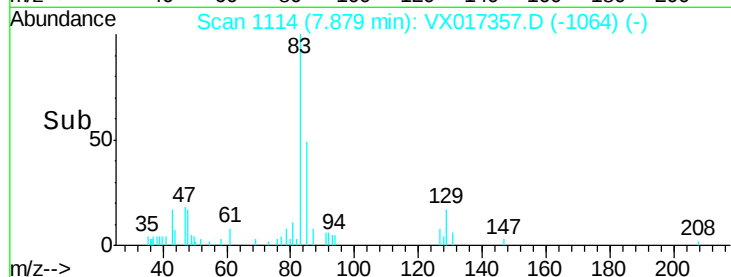
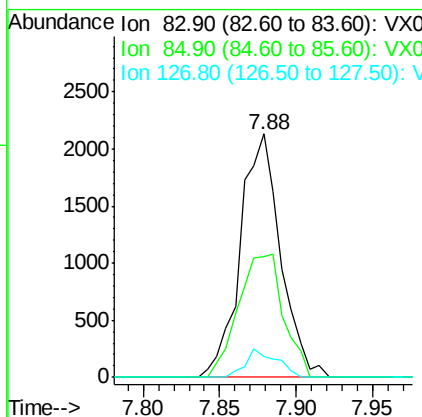
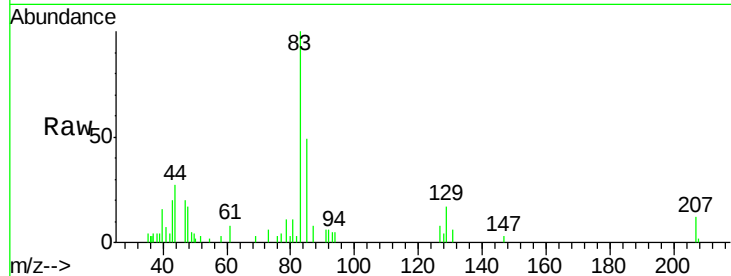
#47
Bromodichloromethane
Concen: 0.746 ug/l
RT: 7.88 min Scan# 1114
Delta R.T. 0.01 min
Lab File: VX017357.D
Acq: 13 Jul 2020 16:50

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
83	100	3894		
85	49.5	50.2	75.4#	
127	8.3	7.1	10.7	

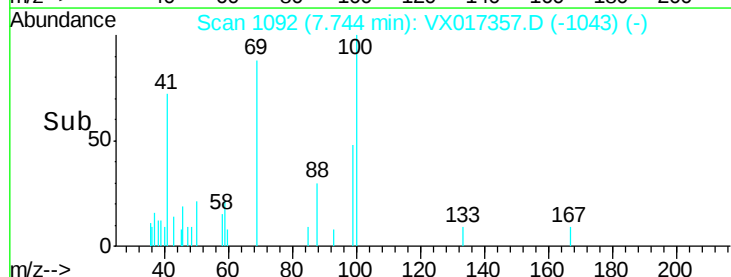
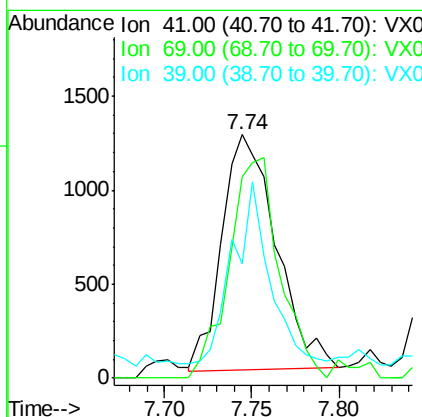
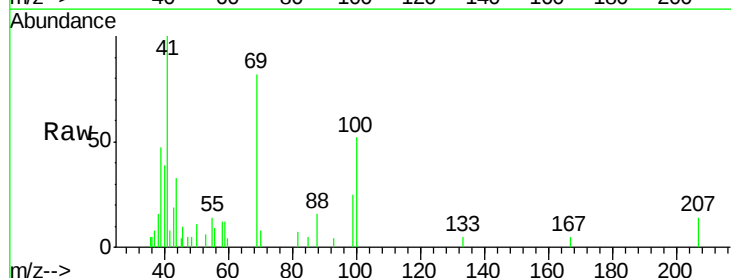
Manual Integrations
APPROVED

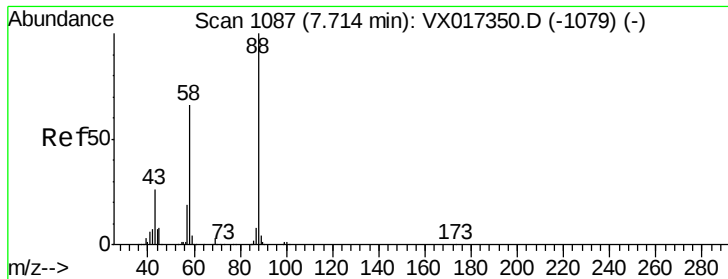
MMDadoda
7/14/2020 11:36:03 AM



#48
Methyl methacrylate
Concen: 0.727 ug/l
RT: 7.74 min Scan# 1092
Delta R.T. 0.00 min
Lab File: VX017357.D
Acq: 13 Jul 2020 16:50

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	2713		
69	86.5	67.8	101.6	
39	56.4	45.1	67.7	





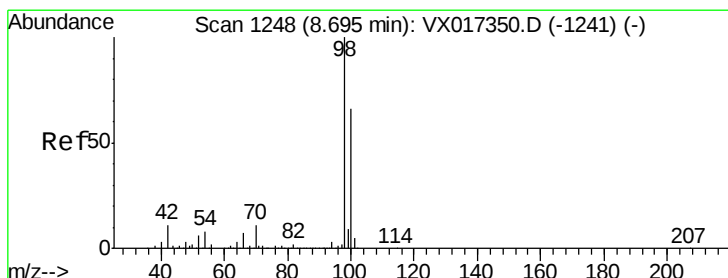
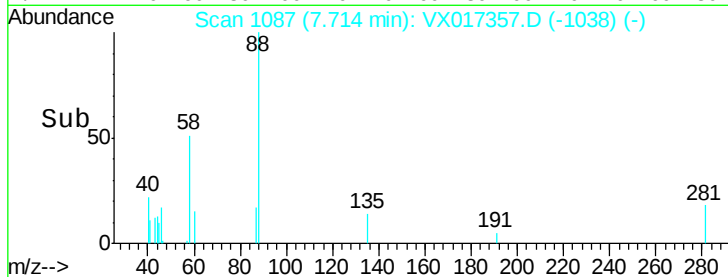
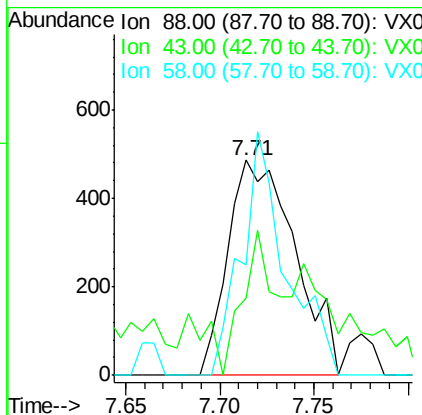
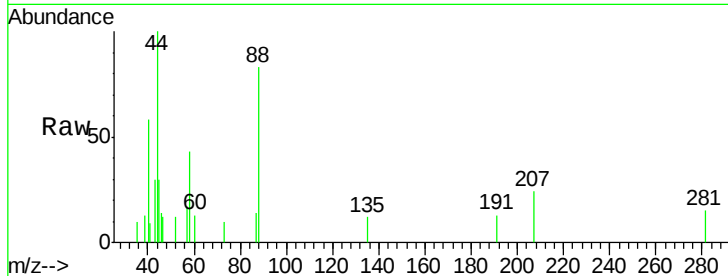
#49
1,4-Dioxane
Concen: 15.729 ug/l
RT: 7.71 min Scan# 1087
Delta R.T. 0.00 min
Lab File: VX017357.D
Acq: 13 Jul 2020 16:50

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.8	25.6	38.4
58	74.9	53.9	80.9

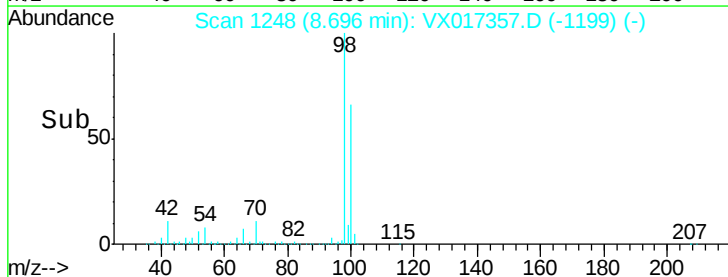
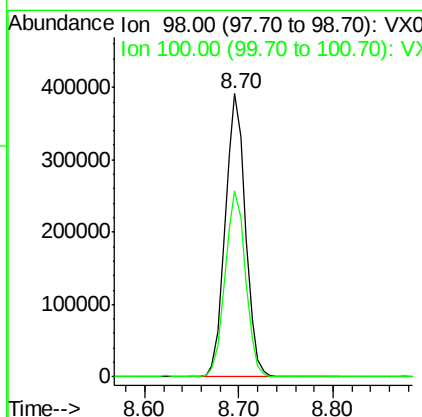
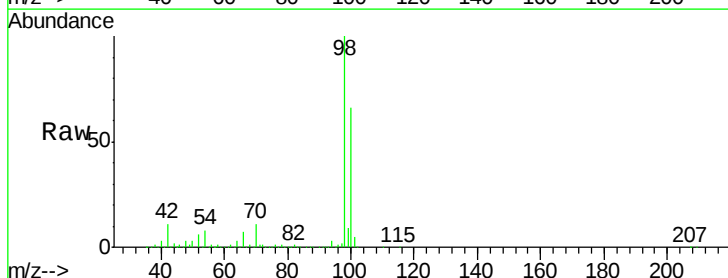
Manual Integrations
APPROVED

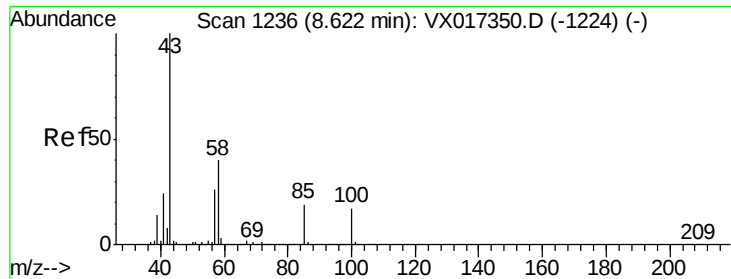
MMDadoda
7/14/2020 11:36:03 AM



#50
Toluene-d8
Concen: 46.864 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX017357.D
Acq: 13 Jul 2020 16:50

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.4	80.2





#51

4-Methyl-2-Pentanone

Concen: 3.469 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VX017357.D

Acq: 13 Jul 2020 16:50

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion: 43 Resp: 16447

Ion Ratio Lower Upper

43 100

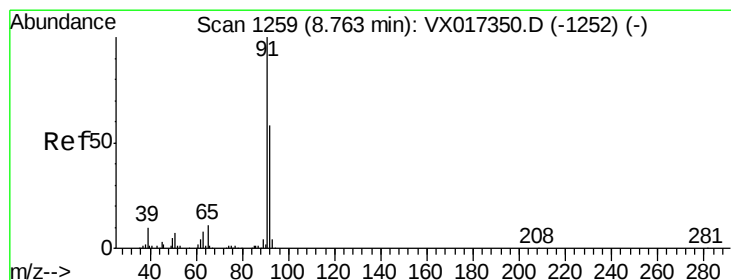
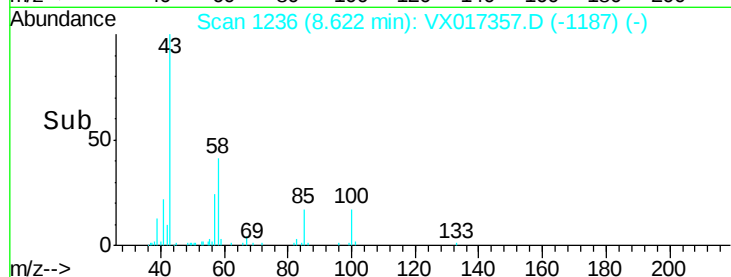
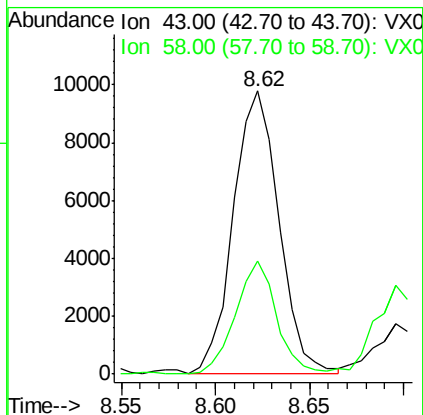
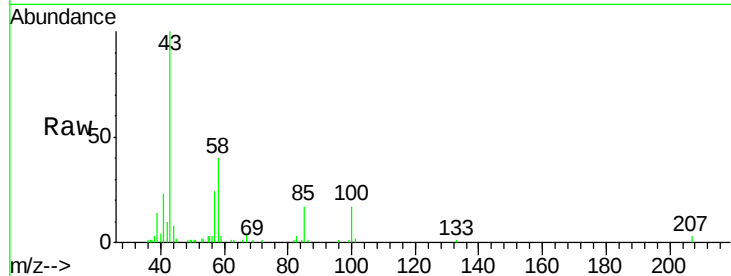
58 35.9 32.2 48.2

Manual Integrations

APPROVED

MMDadoda

7/14/2020 11:36:03 AM



#52

Toluene

Concen: 0.829 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX017357.D

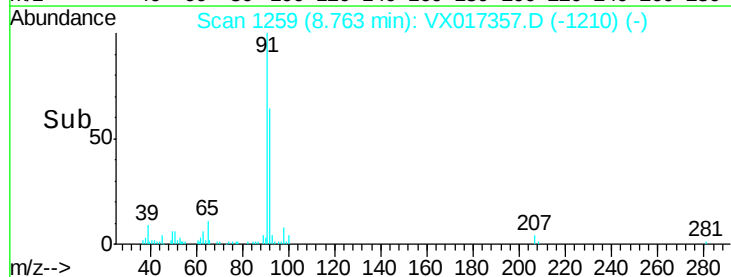
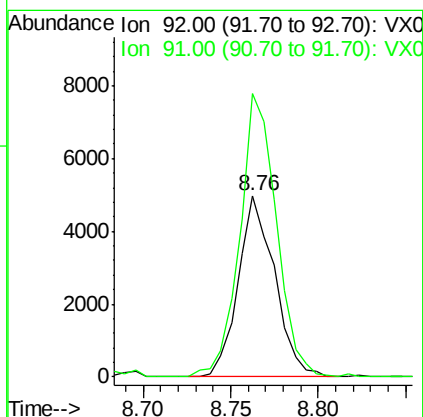
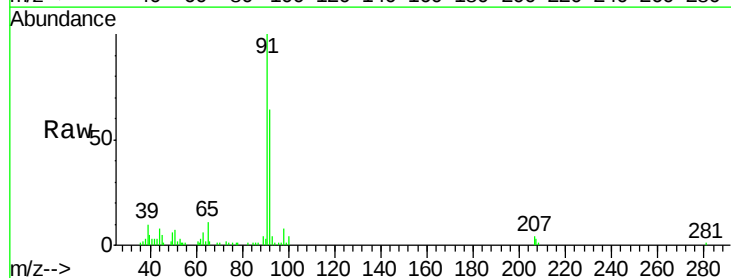
Acq: 13 Jul 2020 16:50

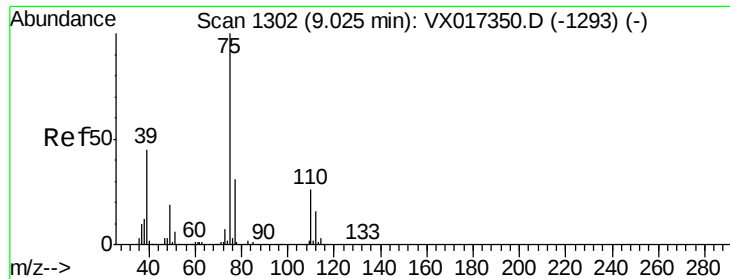
Tgt Ion: 92 Resp: 7195

Ion Ratio Lower Upper

92 100

91 157.3 136.7 205.1





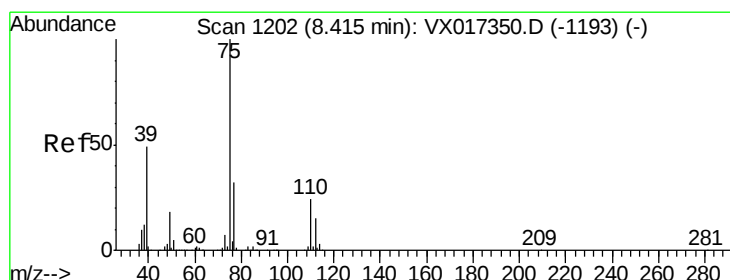
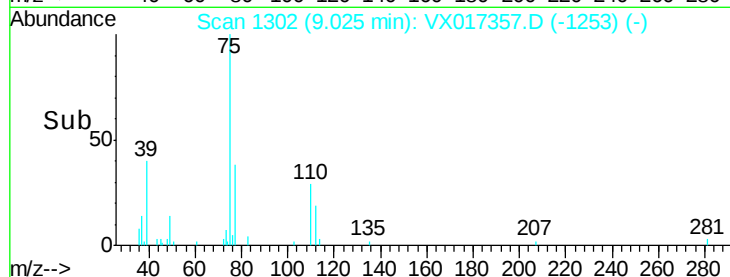
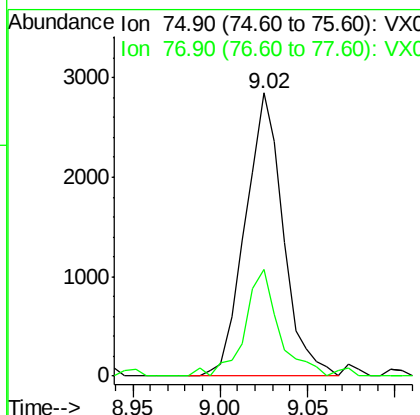
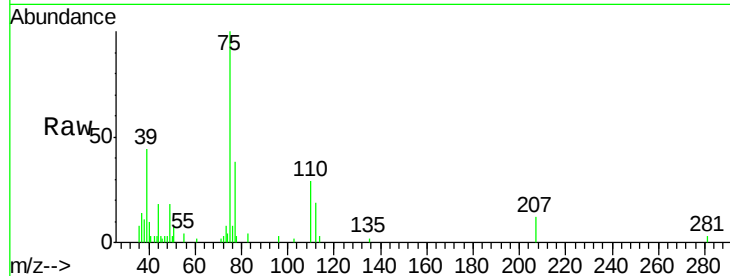
#53
 t-1,3-Dichloropropene
 Concen: 0.762 ug/l
 RT: 9.02 min Scan# 1302
 Delta R.T. 0.00 min
 Lab File: VX017357.D
 Acq: 13 Jul 2020 16:50

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

Tot Ion: 75 Resp: 4281
 Ion Ratio Lower Upper
 75 100
 77 37.6 25.0 37.6#

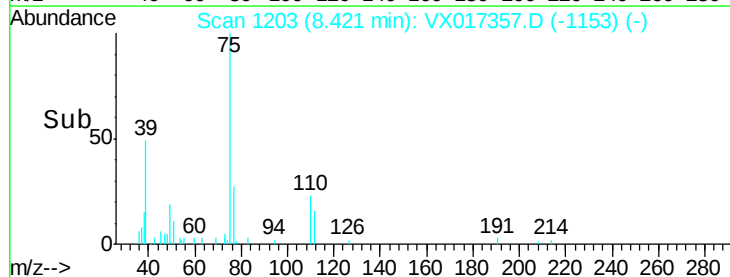
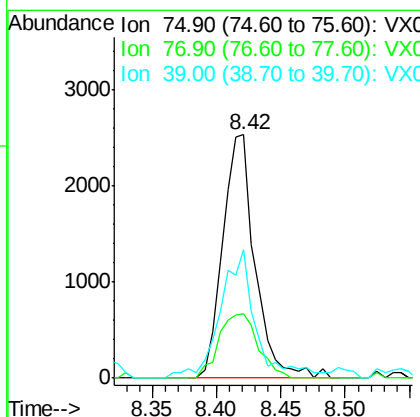
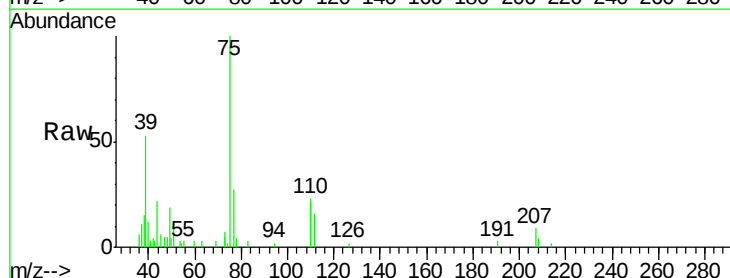
Manual Integrations
 APPROVED

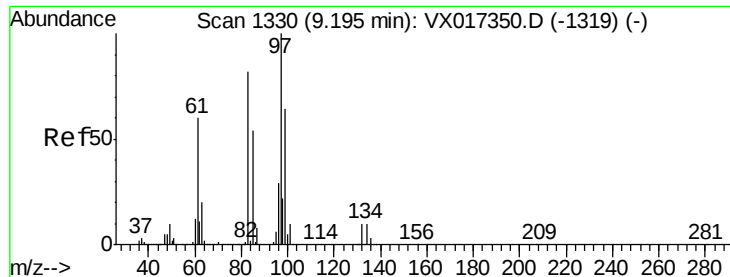
MMDadoda
 7/14/2020 11:36:03 AM



#54
 cis-1,3-Dichloropropene
 Concen: 0.743 ug/l
 RT: 8.42 min Scan# 1203
 Delta R.T. 0.01 min
 Lab File: VX017357.D
 Acq: 13 Jul 2020 16:50

Tgt Ion: 75 Resp: 4454
 Ion Ratio Lower Upper
 75 100
 77 26.6 25.3 37.9
 39 48.9 38.9 58.3





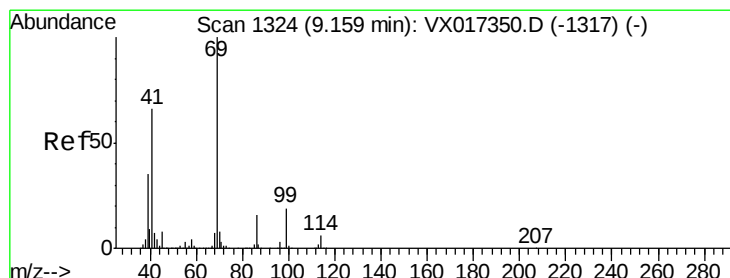
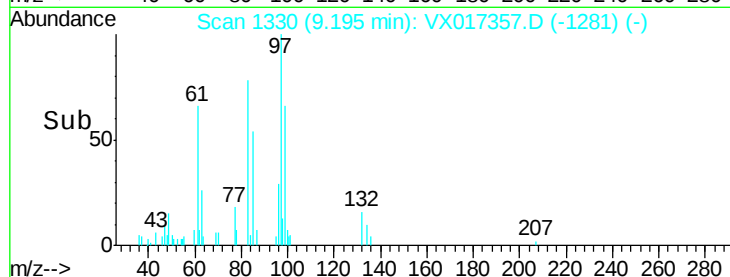
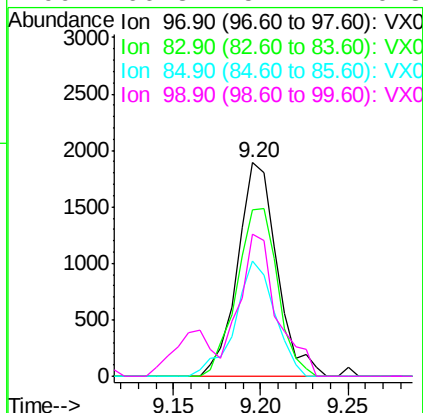
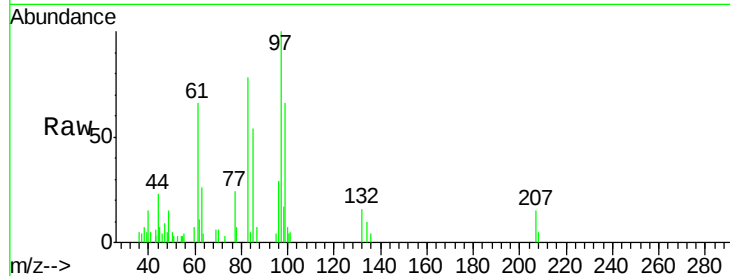
#55
 1,1,2-Trichloroethane
 Concen: 0.820 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VX017357.D
 Acq: 13 Jul 2020 16:50

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2020

Tot Ion:	97	Resp:	2967
Ion	Ratio	Lower	Upper
97	100		
83	77.7	65.8	98.6
85	54.0	42.8	64.2
99	66.3	51.2	76.8

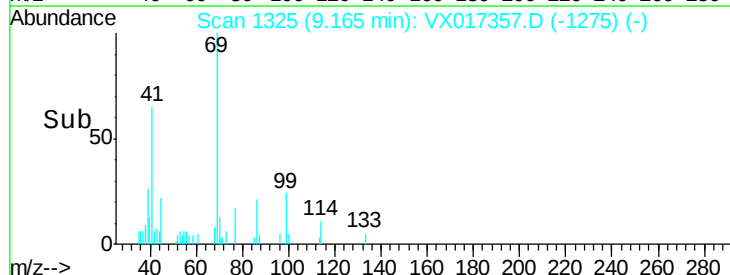
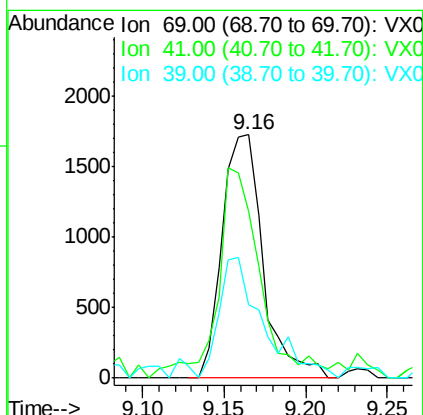
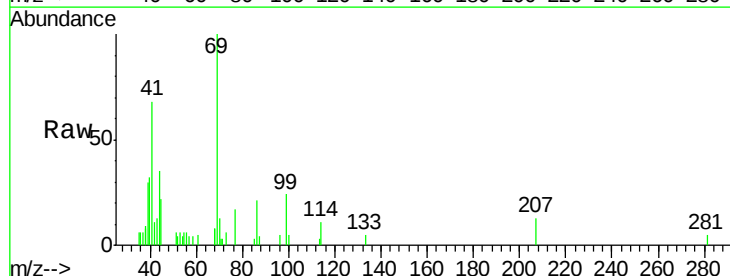
Manual Integrations
 APPROVED

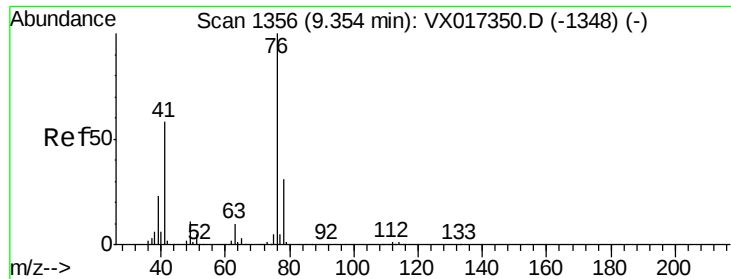
MMDadoda
 7/14/2020 11:36:03 AM



#56
 Ethyl methacrylate
 Concen: 0.587 ug/l
 RT: 9.16 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VX017357.D
 Acq: 13 Jul 2020 16:50

Tgt Ion:	69	Resp:	3018
Ion	Ratio	Lower	Upper
69	100		
41	89.7	52.6	78.8#
39	53.4	28.8	43.2#





#57

1,3-Dichloropropane

Concen: 0.788 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. 0.00 min

Lab File: VX017357.D

Acq: 13 Jul 2020 16:50

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion: 76 Resp: 4743

Ion Ratio Lower Upper

76 100

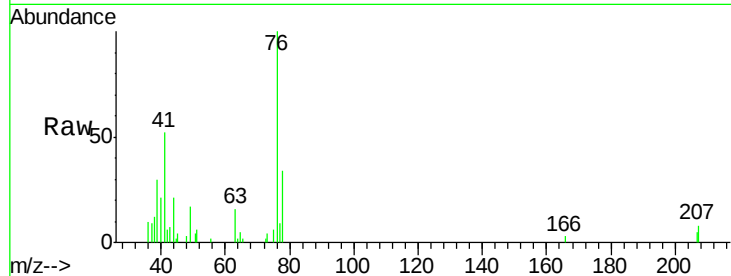
78 38.1 25.8 38.6

Manual Integrations

APPROVED

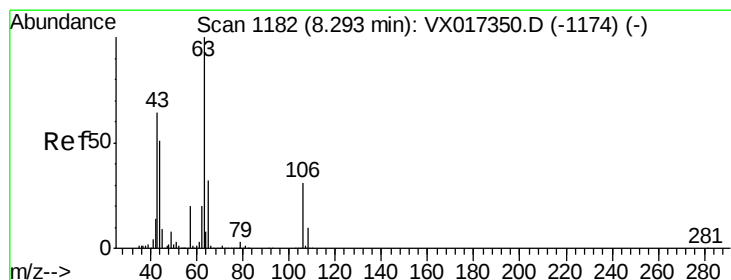
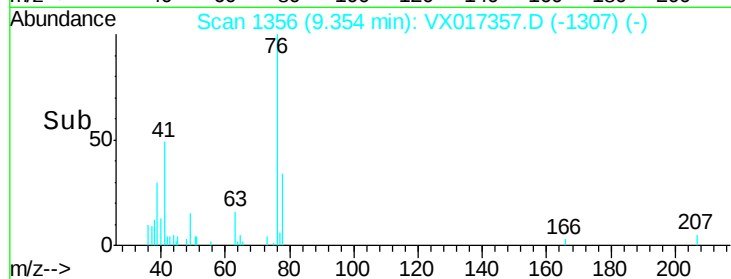
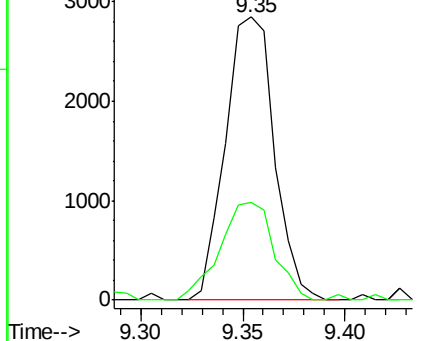
MMDadoda

7/14/2020 11:36:03 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 3.362 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VX017357.D

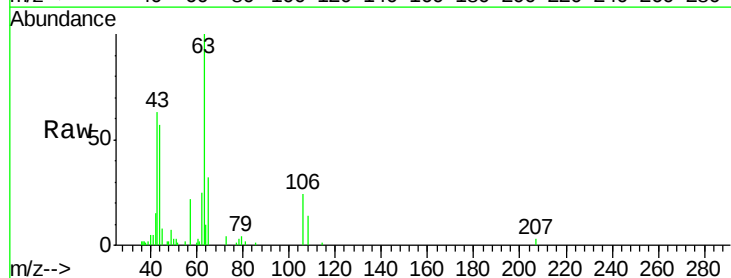
Acq: 13 Jul 2020 16:50

Tgt Ion: 63 Resp: 8770

Ion Ratio Lower Upper

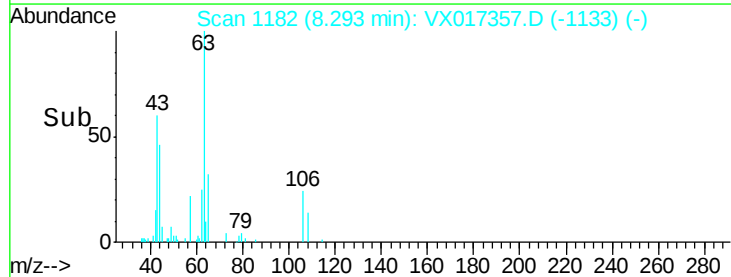
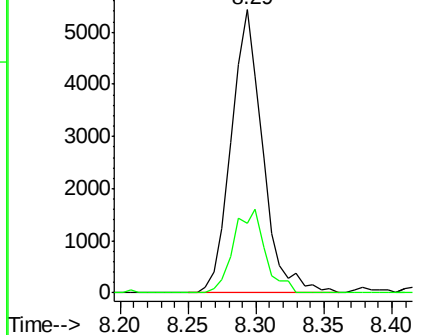
63 100

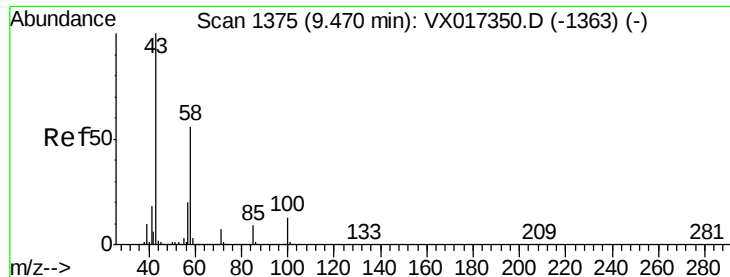
106 29.5 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





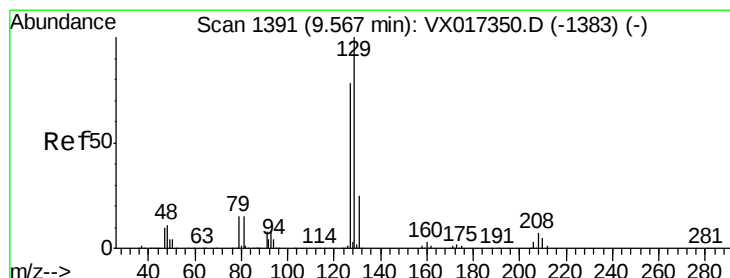
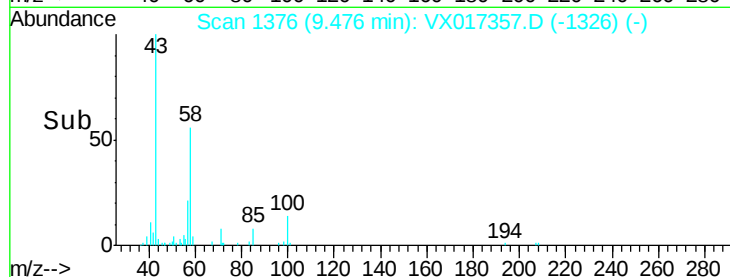
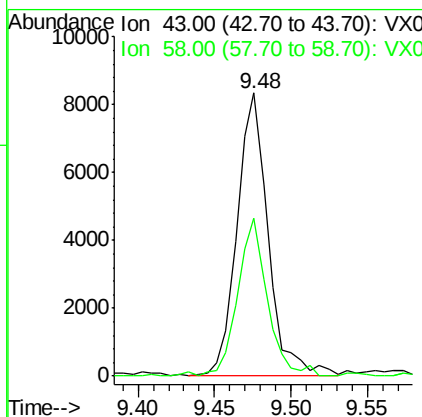
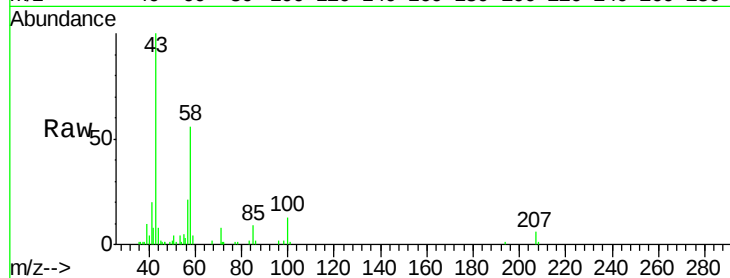
#59
2-Hexanone
Concen: 3.290 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. 0.01 min
Lab File: VX017357.D
Acq: 13 Jul 2020 16:50

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion: 43 Resp: 11774
Ion Ratio Lower Upper
43 100
58 53.0 28.1 84.3

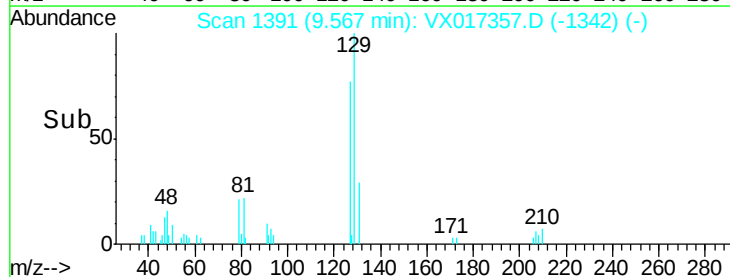
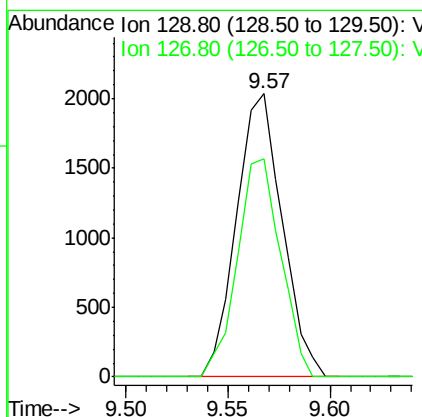
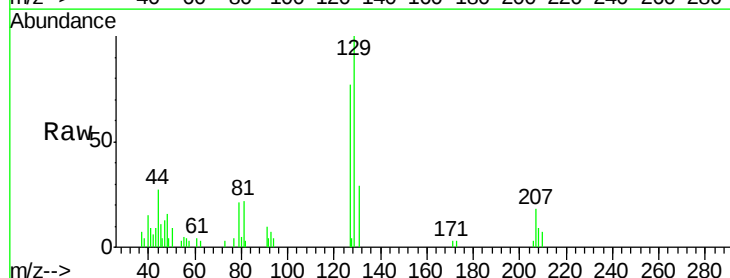
Manual Integrations
APPROVED

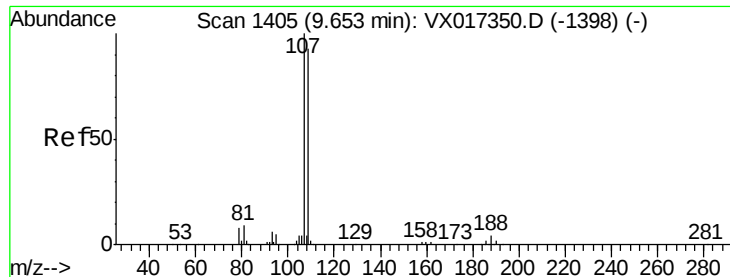
MMDadoda
7/14/2020 11:36:03 AM



#60
Dibromochloromethane
Concen: 0.718 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VX017357.D
Acq: 13 Jul 2020 16:50

Tgt Ion: 129 Resp: 3175
Ion Ratio Lower Upper
129 100
127 73.1 38.9 116.6





#61

1,2-Dibromoethane

Concen: 0.756 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX017357.D

Acq: 13 Jul 2020 16:50

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:107 Resp: 2974

Ion Ratio Lower Upper

107 100

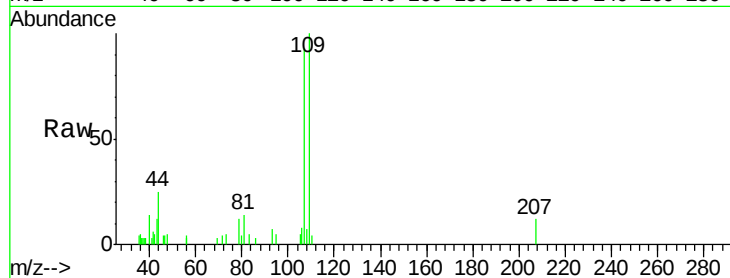
109 97.0 75.0 112.4

Manual Integrations

APPROVED

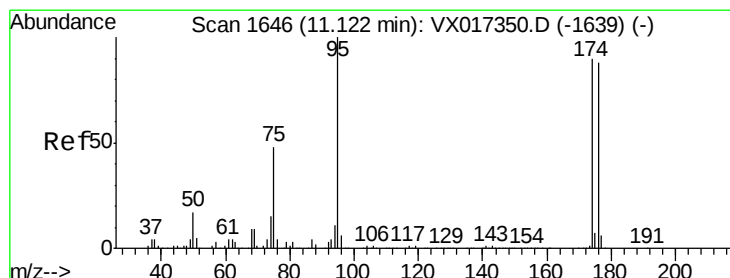
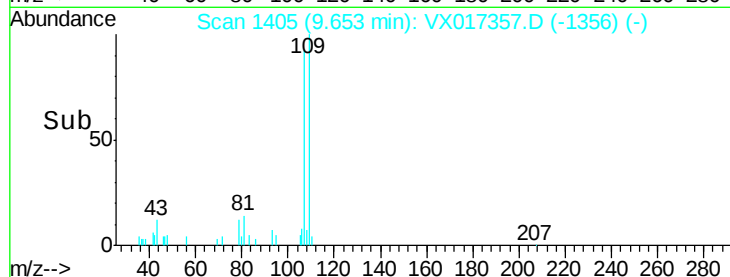
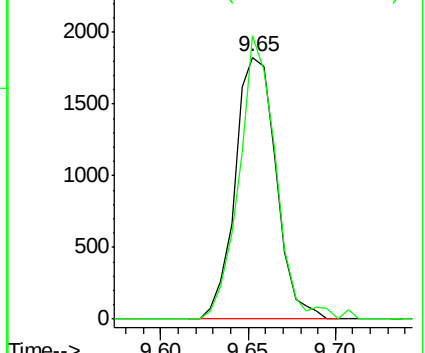
MMDadoda

7/14/2020 11:36:03 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 43.369 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX017357.D

Acq: 13 Jul 2020 16:50

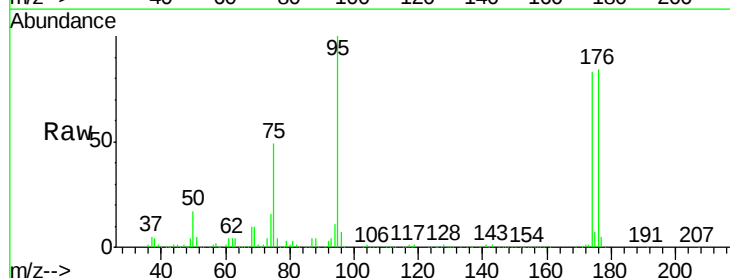
Tgt Ion: 95 Resp: 214123

Ion Ratio Lower Upper

95 100

174 81.7 0.0 175.8

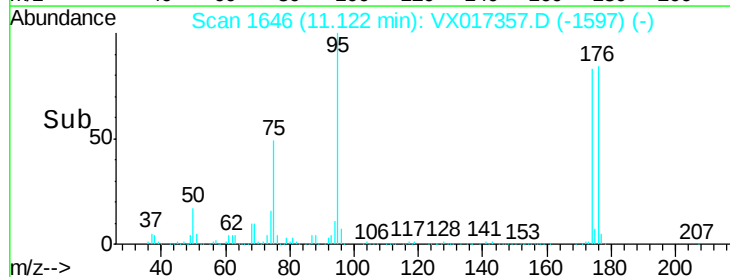
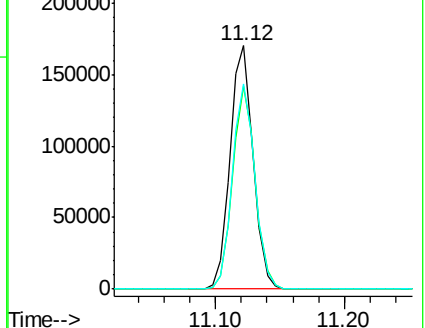
176 82.7 0.0 164.6

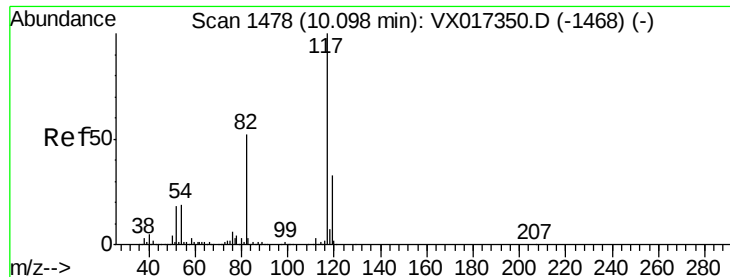


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





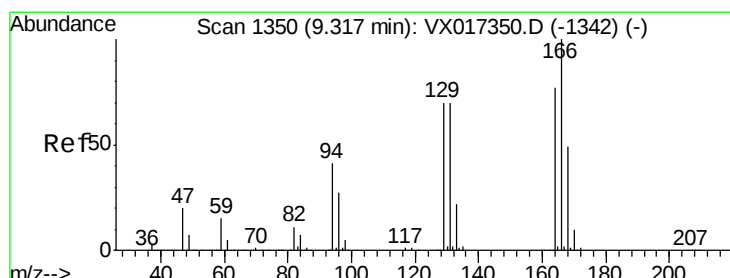
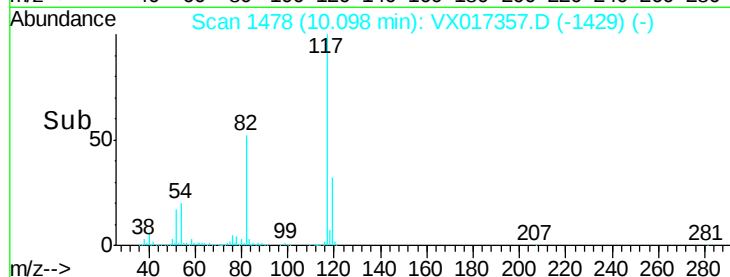
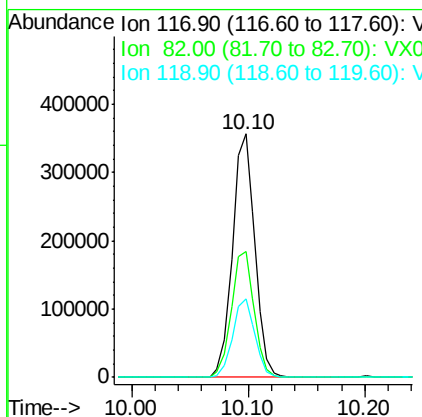
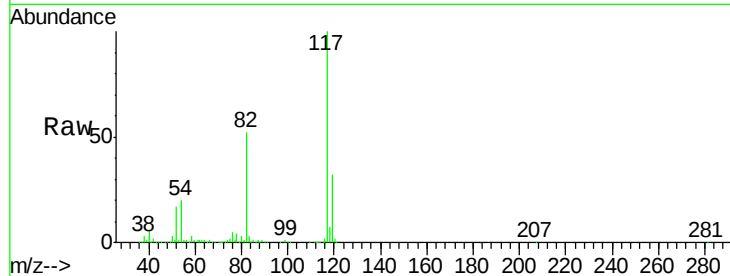
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX017357.D
Acq: 13 Jul 2020 16:50

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.9	42.0	63.0
119	32.3	26.3	39.5

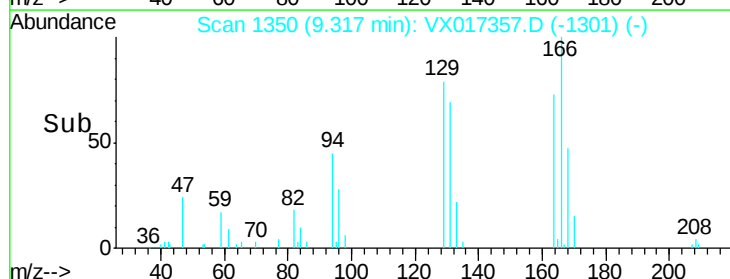
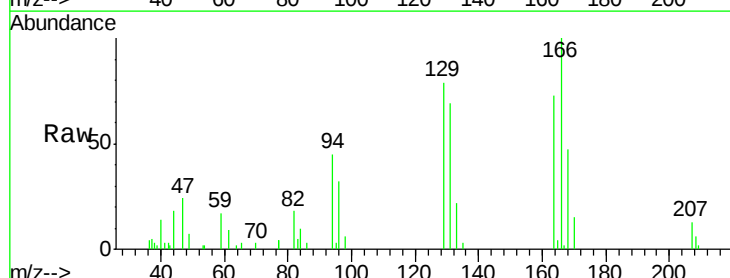
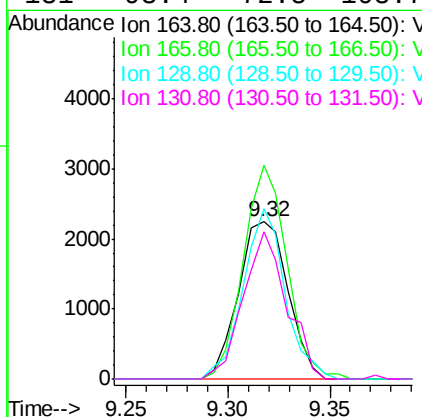
Manual Integrations
APPROVED

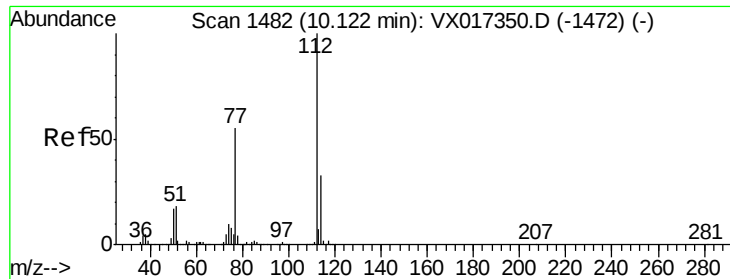
MMDadoda
7/14/2020 11:36:03 AM



#64
Tetrachloroethene
Concen: 0.920 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VX017357.D
Acq: 13 Jul 2020 16:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	136.1	103.9	155.9
129	108.1	72.9	109.3
131	93.4	72.5	108.7





#65

Chlorobenzene

Concen: 0.809 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX017357.D

Acq: 13 Jul 2020 16:50

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:112 Resp: 7825

Ion Ratio Lower Upper

112 100

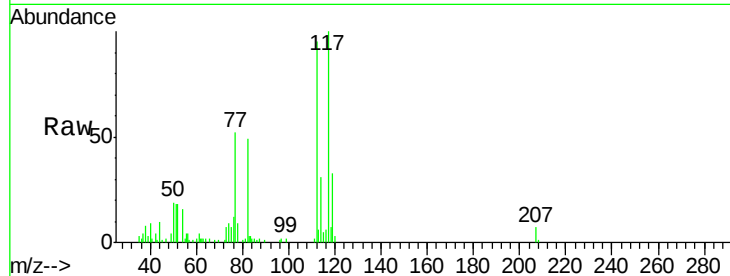
114 32.4 26.0 39.0

Manual Integrations

APPROVED

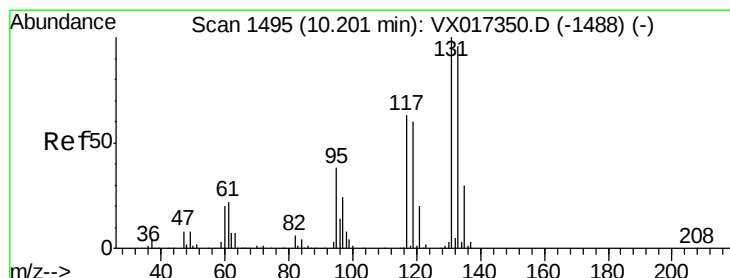
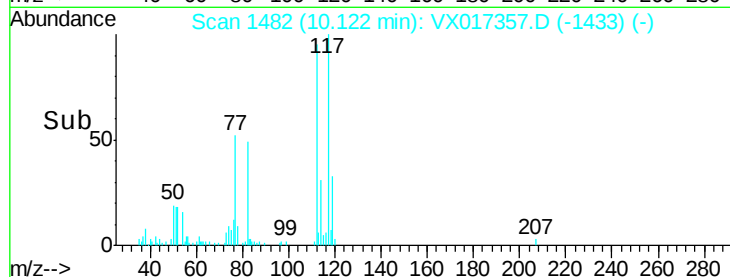
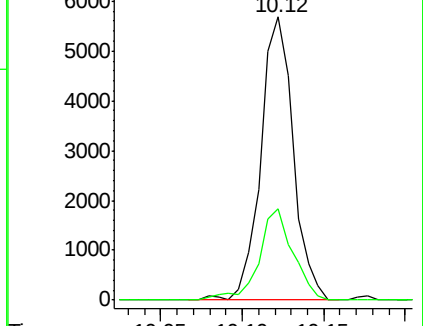
MMDadoda

7/14/2020 11:36:03 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 0.755 ug/l

RT: 10.21 min Scan# 1496

Delta R.T. 0.01 min

Lab File: VX017357.D

Acq: 13 Jul 2020 16:50

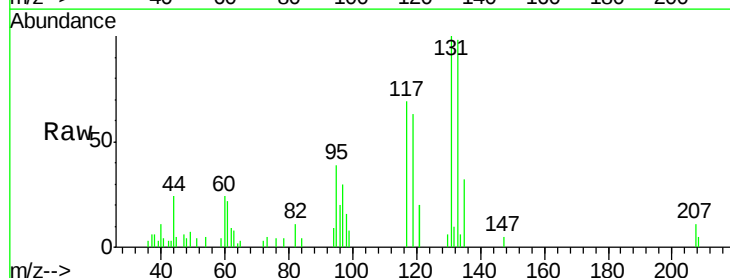
Tgt Ion:131 Resp: 2906

Ion Ratio Lower Upper

131 100

133 101.1 48.4 145.2

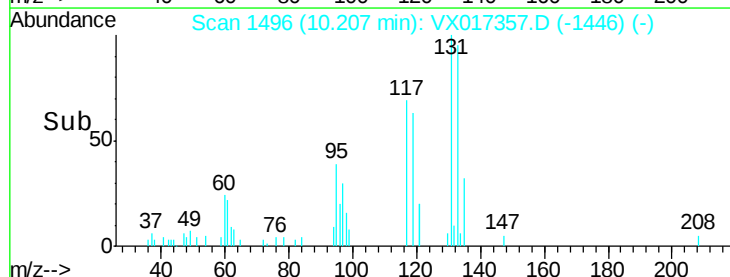
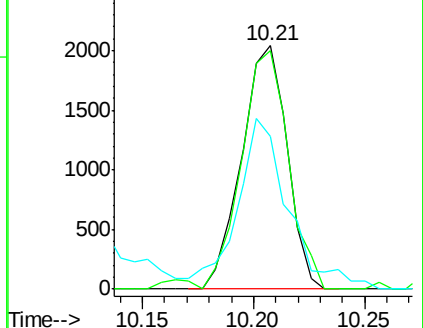
119 0.0 31.2 93.6#

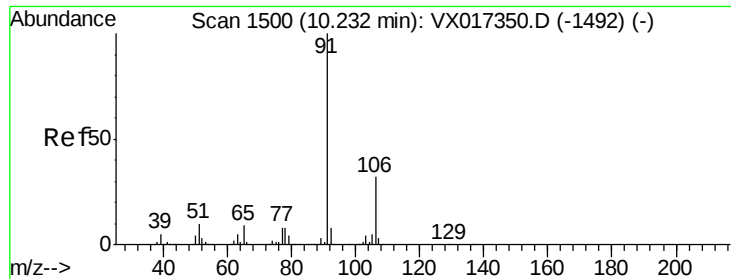


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 0.774 ug/l

RT: 10.24 min Scan# 1501

Delta R.T. 0.01 min

Lab File: VX017357.D

Acq: 13 Jul 2020 16:50

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion: 91 Resp: 12451

Ion Ratio Lower Upper

91 100

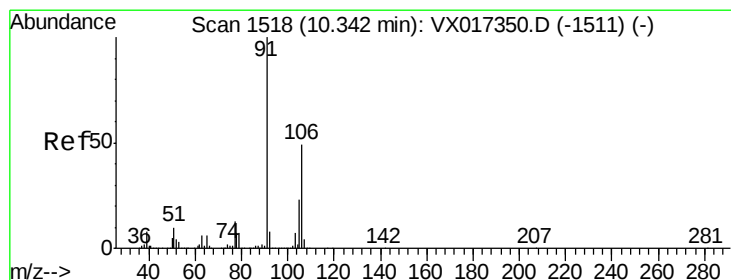
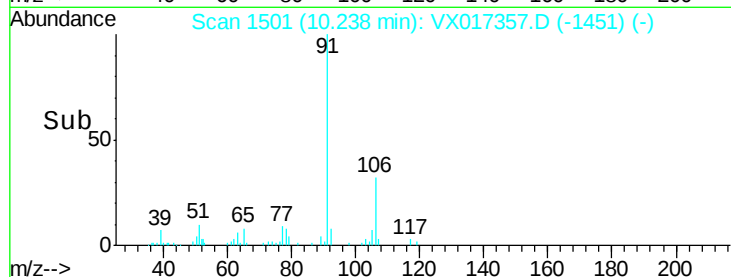
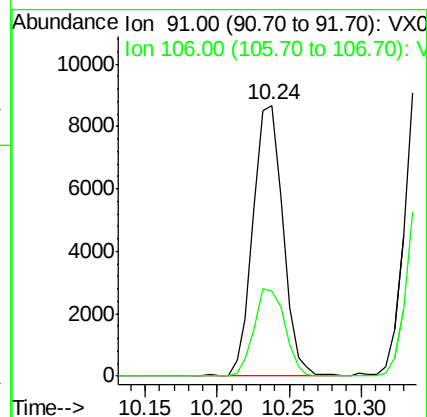
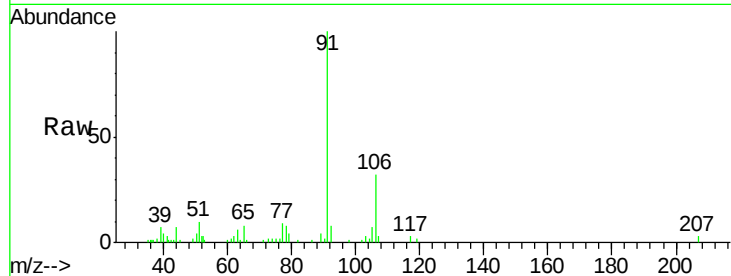
106 31.5 25.7 38.5

Manual Integrations

APPROVED

MMDadoda

7/14/2020 11:36:03 AM



#68

m/p-Xylenes

Concen: 1.416 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX017357.D

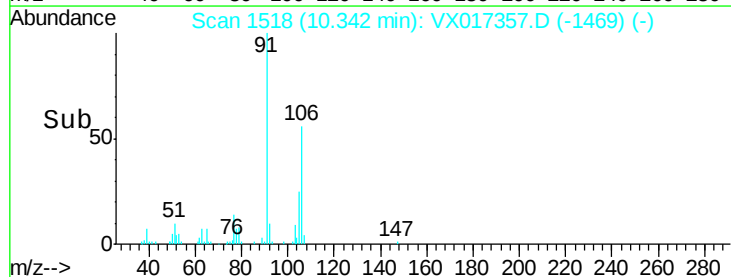
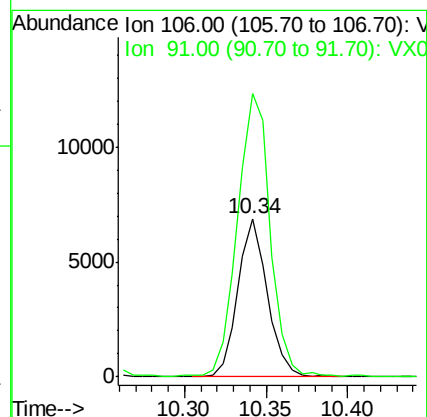
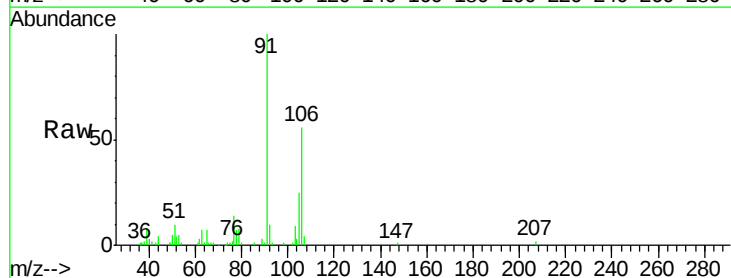
Acq: 13 Jul 2020 16:50

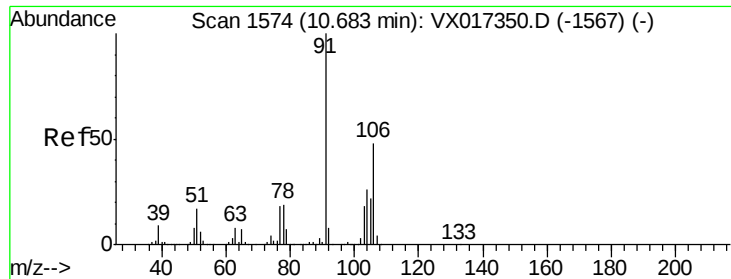
Tgt Ion: 106 Resp: 8667

Ion Ratio Lower Upper

106 100

91 198.4 162.5 243.7





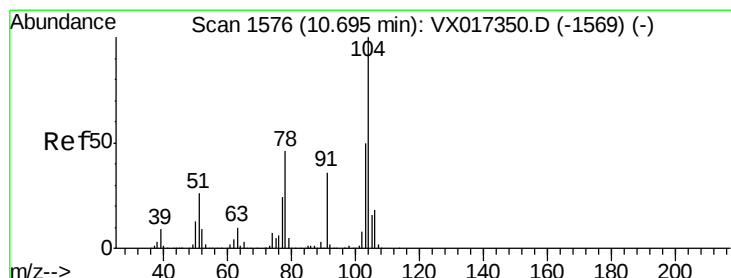
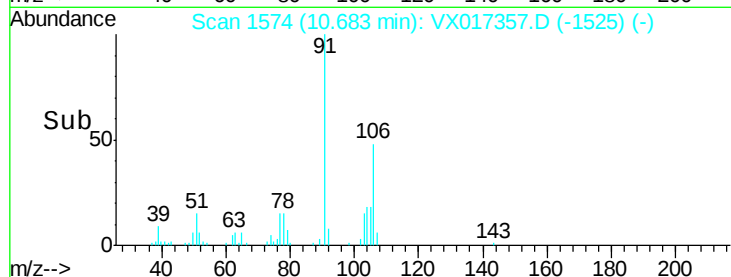
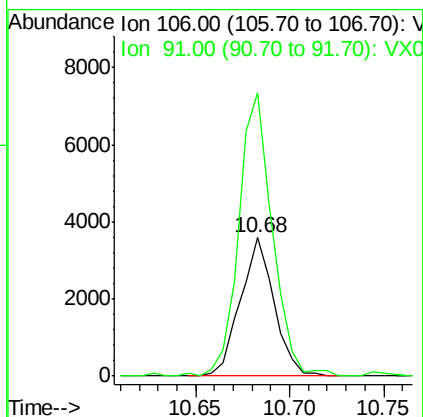
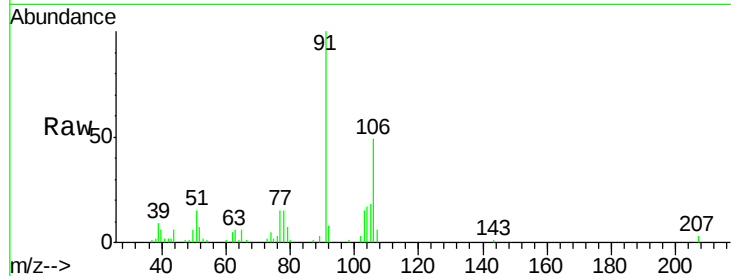
#69
o-Xylene
Concen: 0.761 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX017357.D
Acq: 13 Jul 2020 16:50

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	4453		
91	91	203.2	106.1	318.1	

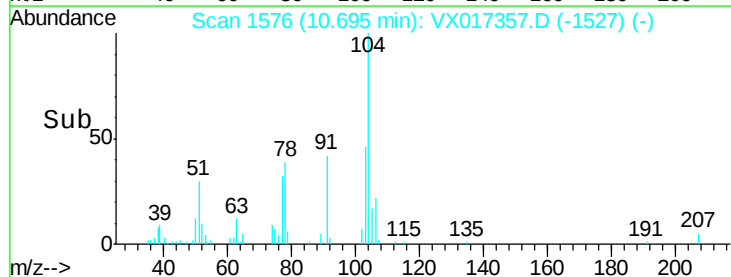
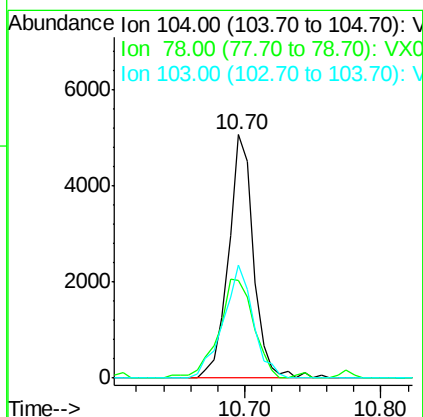
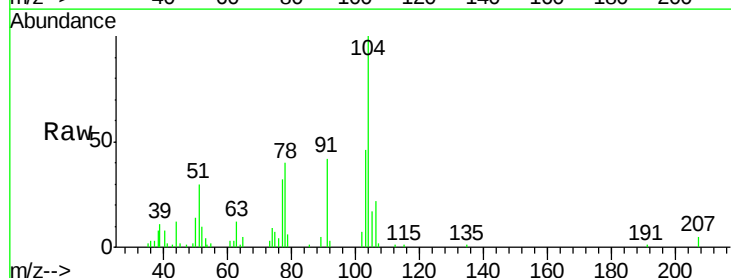
Manual Integrations
APPROVED

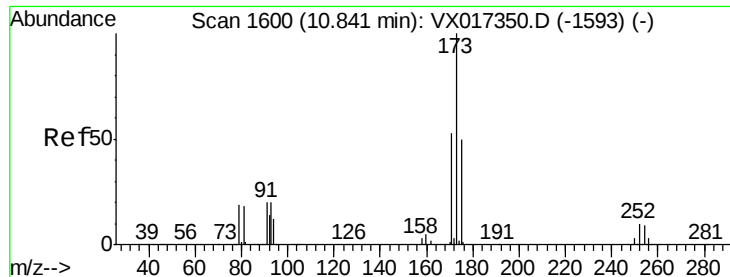
MMDadoda
7/14/2020 11:36:03 AM



#70
Styrene
Concen: 0.642 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX017357.D
Acq: 13 Jul 2020 16:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	6444		
78	78	56.9	40.8	61.2	
103	103	55.8	43.3	64.9	





#71

Bromoform

Concen: 0.713 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX017357.D

Acq: 13 Jul 2020 16:50

Instrument :

MSVOA_X

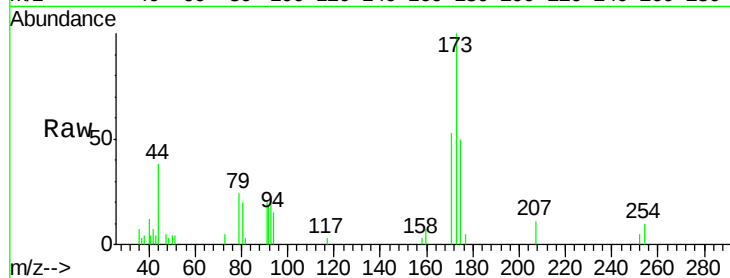
ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

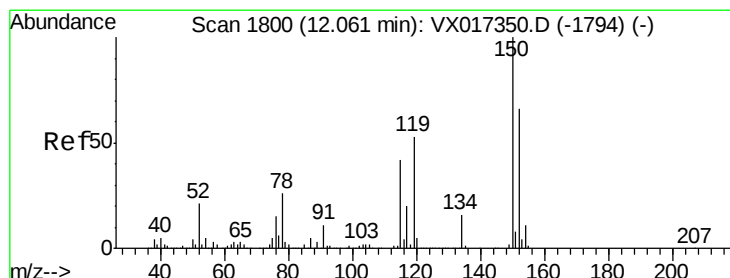
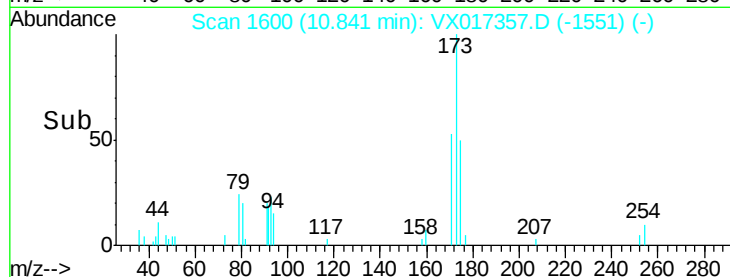
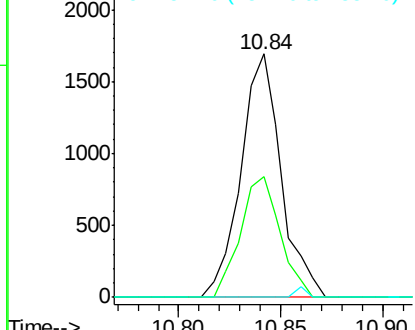
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.7	74.1
254	1.2	0.1	0.1#

Manual Integrations
APPROVED

MMDadoda
7/14/2020 11:36:03 AM



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

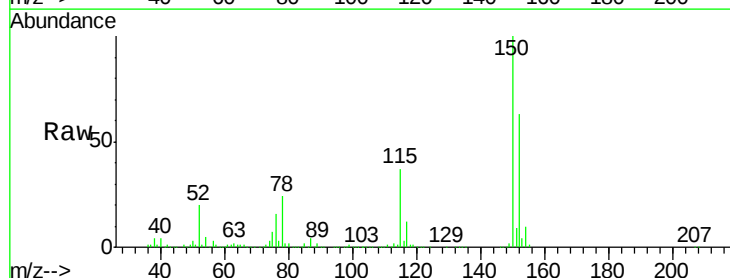
RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

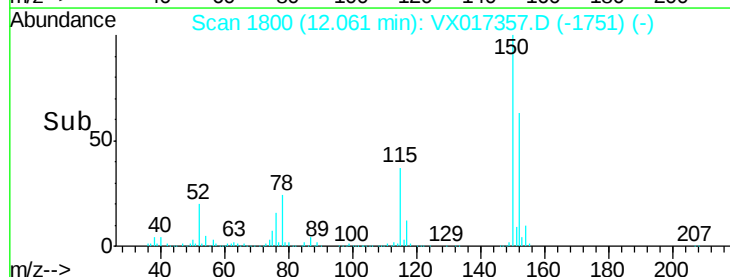
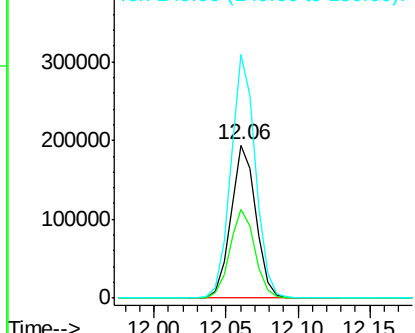
Lab File: VX017357.D

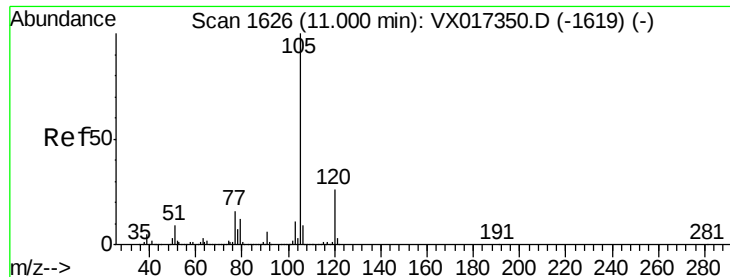
Acq: 13 Jul 2020 16:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.3	39.9	119.7
150	157.1	0.0	343.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





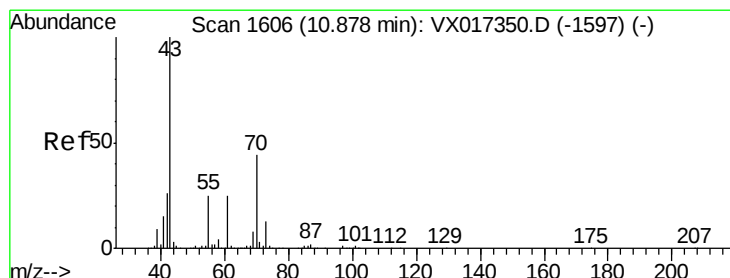
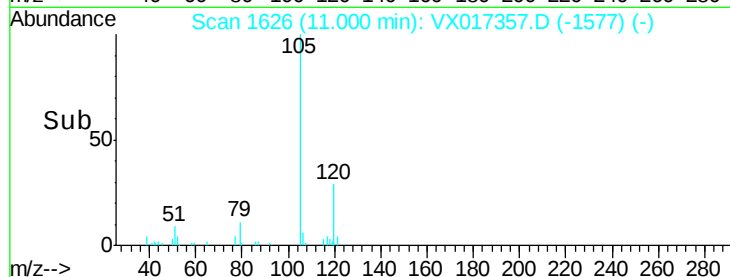
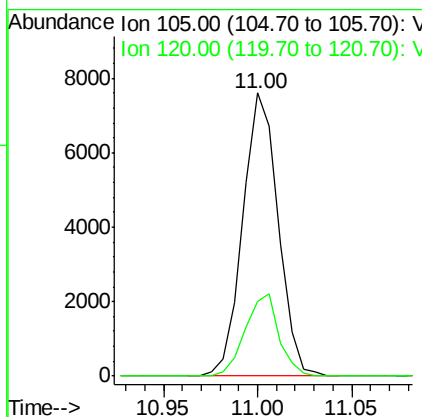
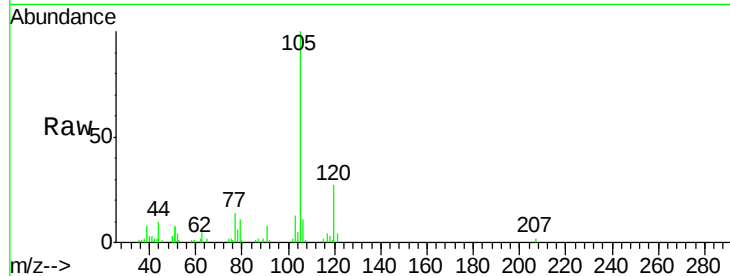
#73
Isopropylbenzene
Concen: 0.671 ug/l
RT: 11.00 min Scan# 1626
Delta R.T. 0.00 min
Lab File: VX017357.D
Acq: 13 Jul 2020 16:50

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.7	13.3	39.8

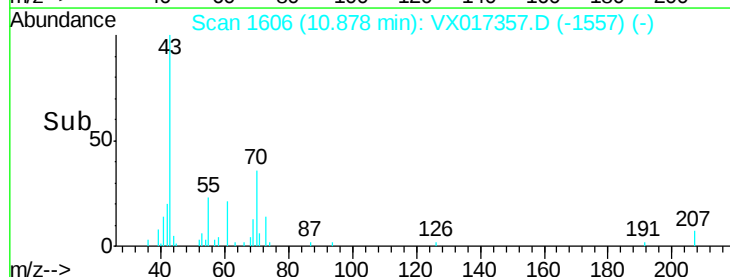
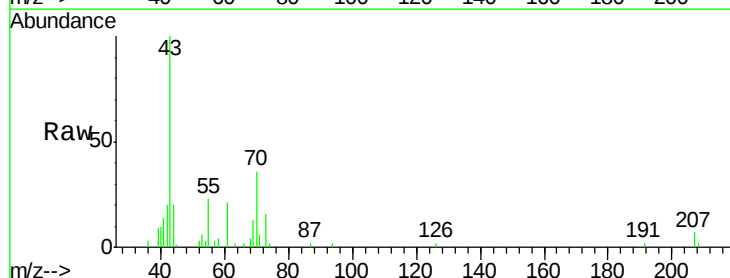
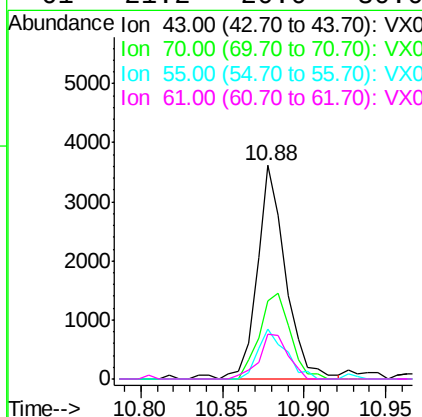
Manual Integrations
APPROVED

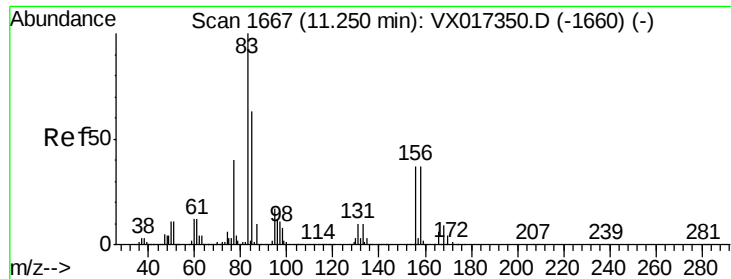
MMDadoda
7/14/2020 11:36:03 AM



#74
N-ethyl acetate
Concen: 0.745 ug/l
RT: 10.88 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VX017357.D
Acq: 13 Jul 2020 16:50

Tgt Ion	Ratio	Lower	Upper
43	100		
70	43.4	35.7	53.5
55	22.7	20.3	30.5
61	21.2	20.0	30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 0.927 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VX017357.D

Acq: 13 Jul 2020 16:50

Instrument :

MSVOA_X

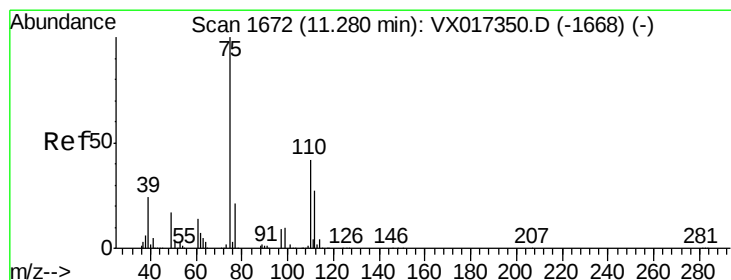
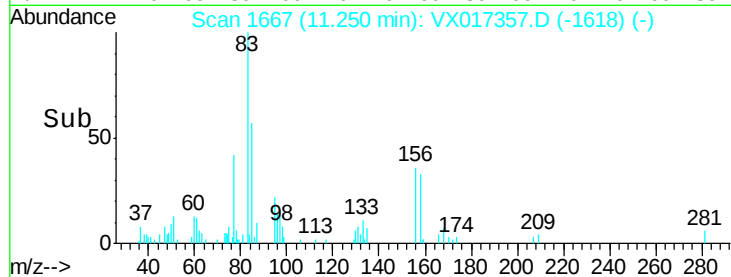
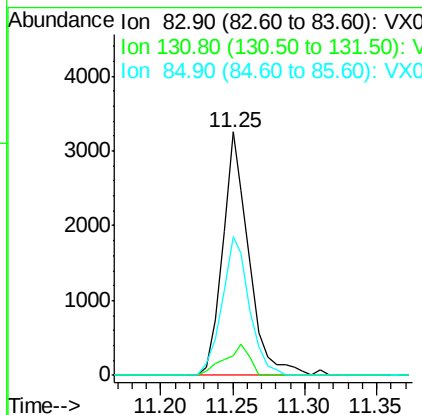
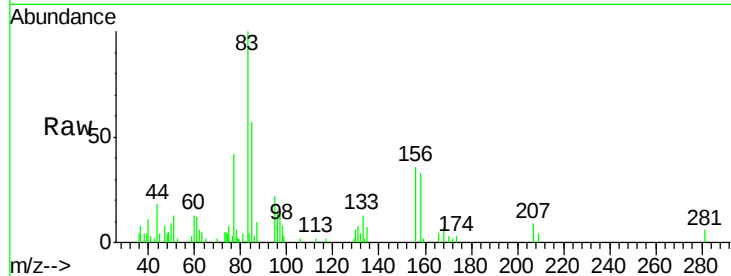
ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:	83	Resp:	4144
Ion Ratio	Lower	Upper	
83	100		
131	12.1	5.5	16.7
85	59.2	32.6	98.0

Manual Integrations
APPROVED

MMDadoda
7/14/2020 11:36:03 AM



#76

1,2,3-Trichloropropane

Concen: 0.825 ug/l m

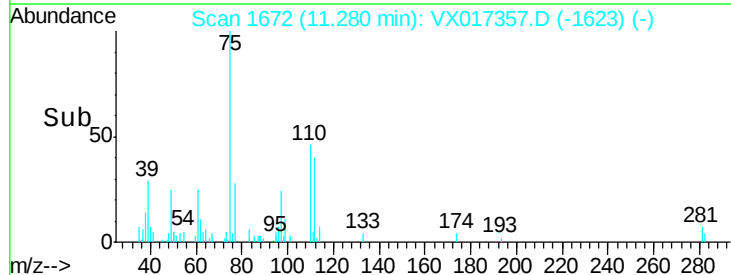
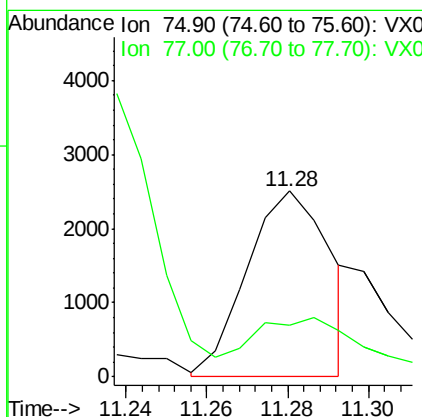
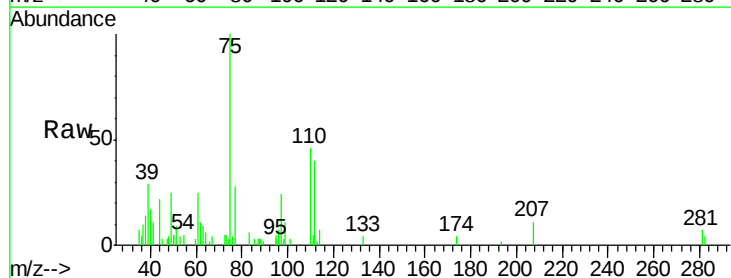
RT: 11.28 min Scan# 1672

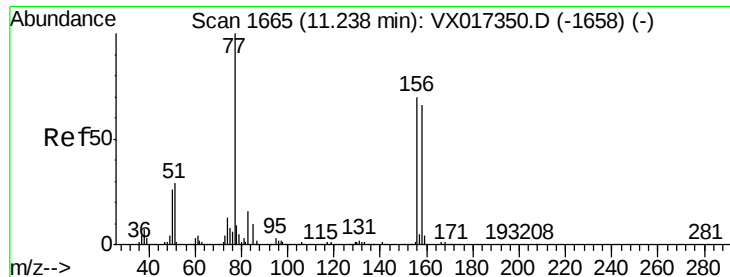
Delta R.T. 0.00 min

Lab File: VX017357.D

Acq: 13 Jul 2020 16:50

Tgt Ion:	75	Resp:	3581
Ion Ratio	Lower	Upper	
75	100		
77	42.7	20.3	60.9





#77

Bromobenzene

Concen: 0.844 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX017357.D

Acq: 13 Jul 2020 16:50

Instrument :

MSVOA_X

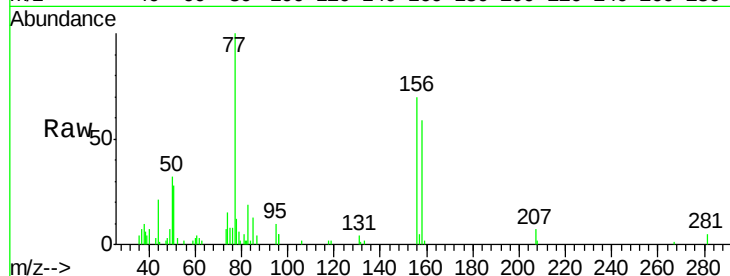
ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

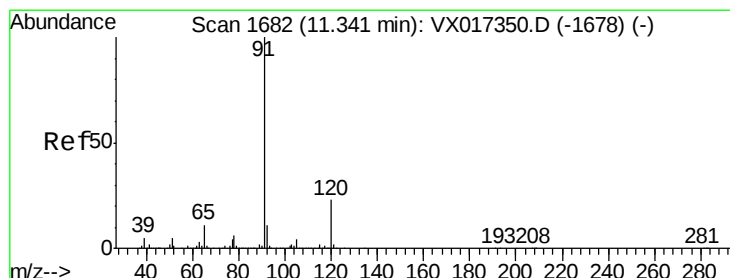
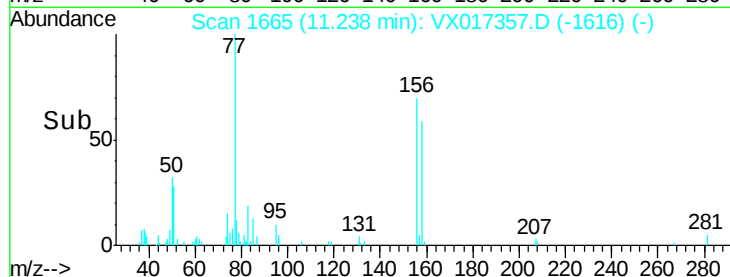
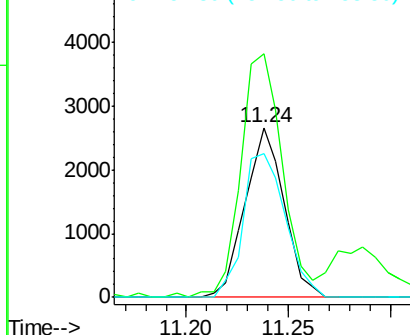
Tot Ion:	156	Resp:	3539
Ion	Ratio	Lower	Upper
156	100		
77	153.8	72.1	216.3
158	91.5	47.4	142.3

Manual Integrations
APPROVED

MMDadoda
7/14/2020 11:36:03 AM



Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VX0
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 0.781 ug/l

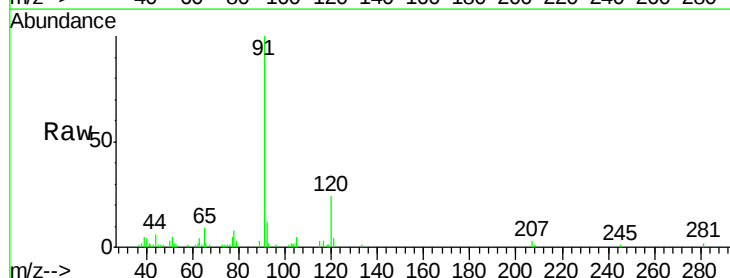
RT: 11.34 min Scan# 1682

Delta R.T. 0.00 min

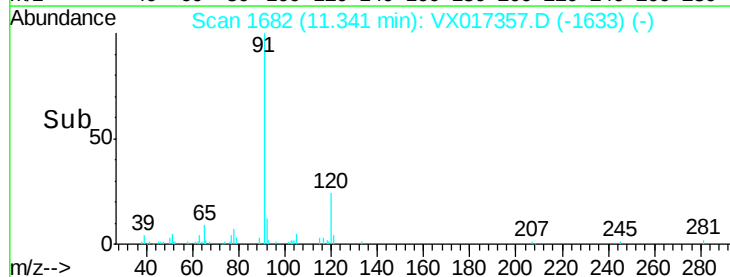
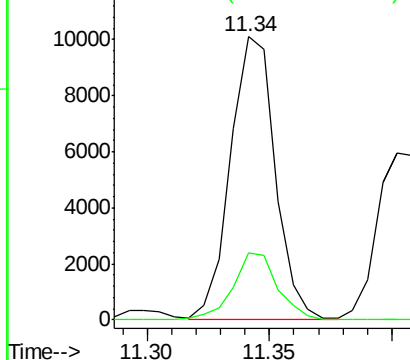
Lab File: VX017357.D

Acq: 13 Jul 2020 16:50

Tgt Ion:	91	Resp:	12913
Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.9	35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 0.816 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VX017357.D

Acq: 13 Jul 2020 16:50

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion: 91 Resp: 8320

Ion Ratio Lower Upper

91 100

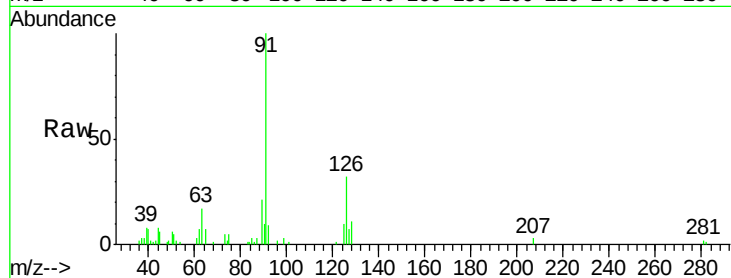
126 32.7 17.4 52.3

Manual Integrations

APPROVED

MMDadoda

7/14/2020 11:36:03 AM



Abundance Ion 91.00 (90.70 to 91.70): VX017350.D (-1687) (-)

Ion 125.90 (125.60 to 126.60): VX017350.D (-1687) (-)

10000

8000

6000

4000

2000

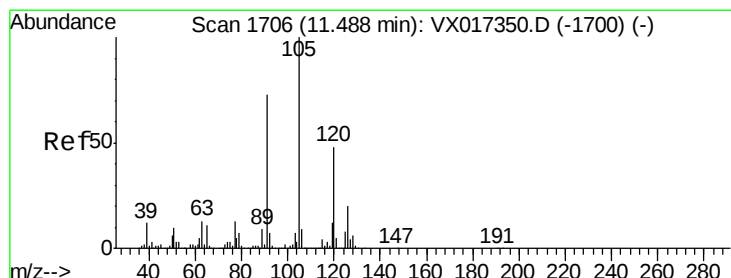
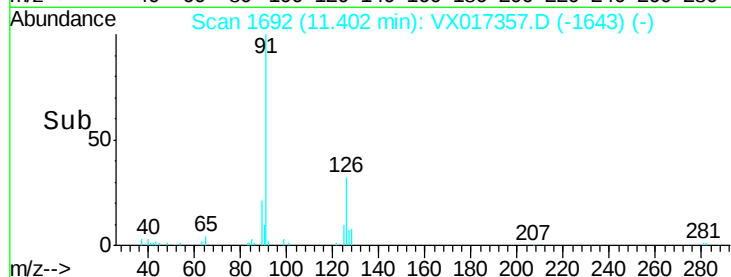
0

11.35

11.40

11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.713 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VX017357.D

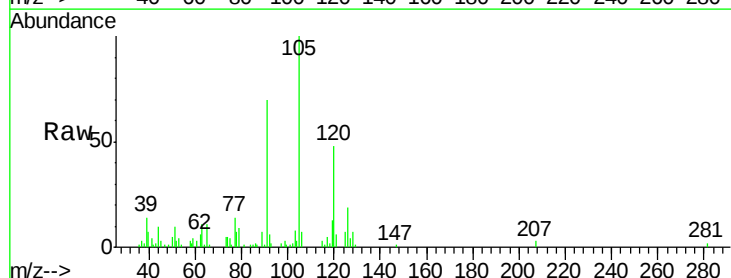
Acq: 13 Jul 2020 16:50

Tgt Ion: 105 Resp: 8916

Ion Ratio Lower Upper

105 100

120 48.9 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): VX017350.D (-1700) (-)

Ion 120.00 (119.70 to 120.70): VX017350.D (-1700) (-)

8000

6000

4000

2000

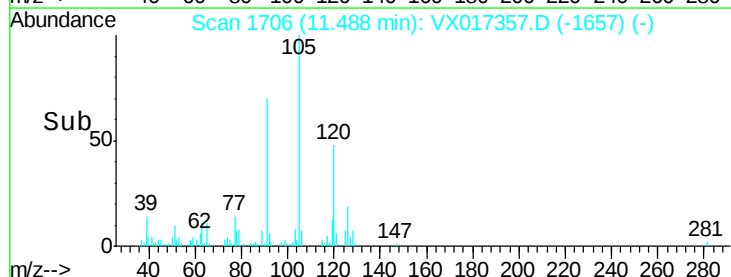
0

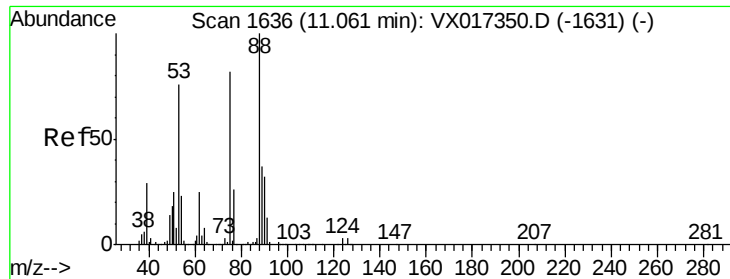
11.45

11.50

11.55

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 0.771 ug/l m

RT: 11.05 min Scan# 1635

Delta R.T. -0.01 min

Lab File: VX017357.D

Acq: 13 Jul 2020 16:50

Instrument :

MSVOA_X

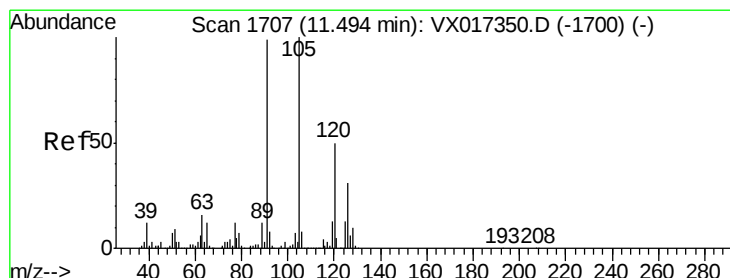
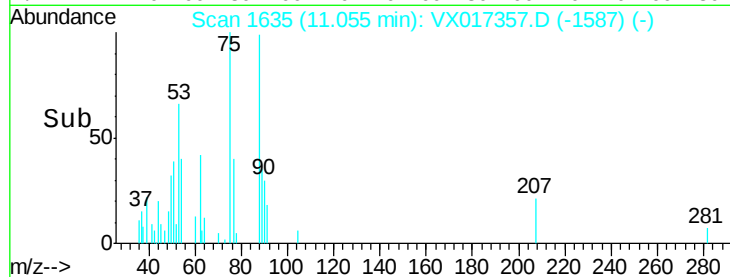
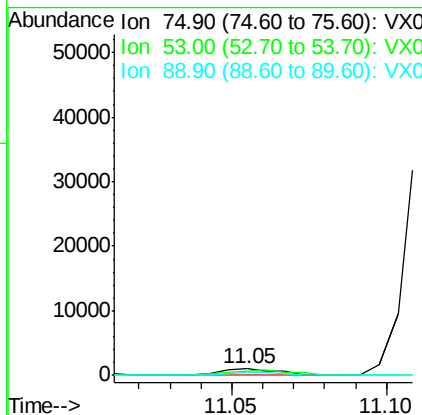
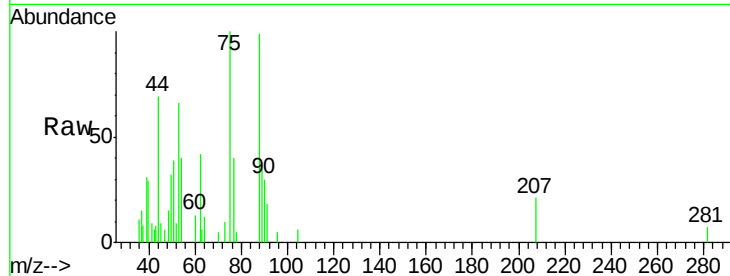
ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
75	100		
53	11.7	76.5	114.7#
89	6.8	38.1	57.1#

Manual Integrations
APPROVED

MMDadoda
7/14/2020 11:36:03 AM



#82

4-Chlorotoluene

Concen: 0.759 ug/l

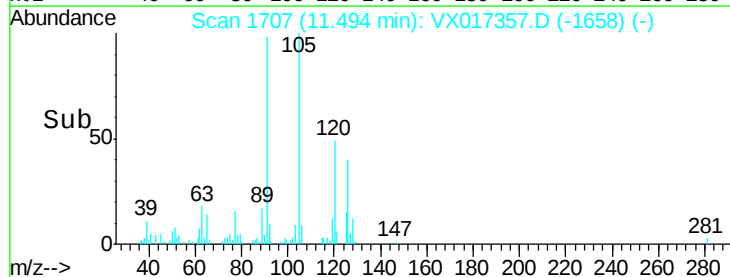
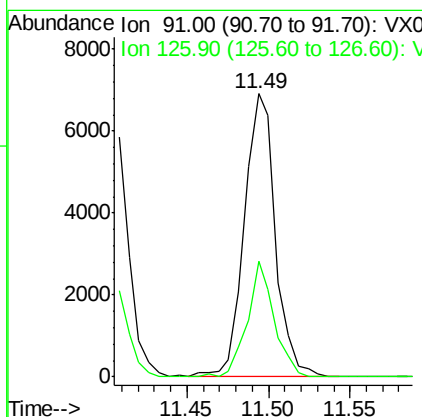
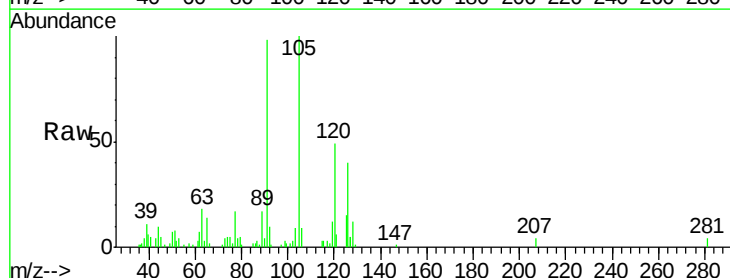
RT: 11.49 min Scan# 1707

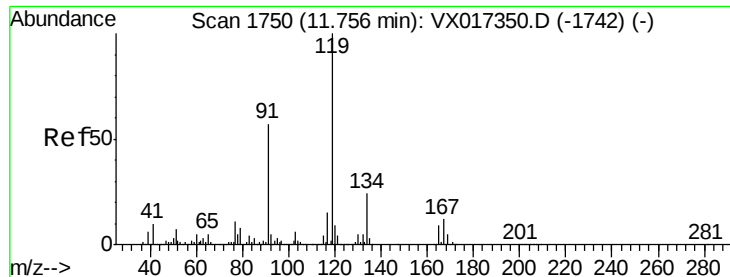
Delta R.T. 0.00 min

Lab File: VX017357.D

Acq: 13 Jul 2020 16:50

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.4	15.4	46.2





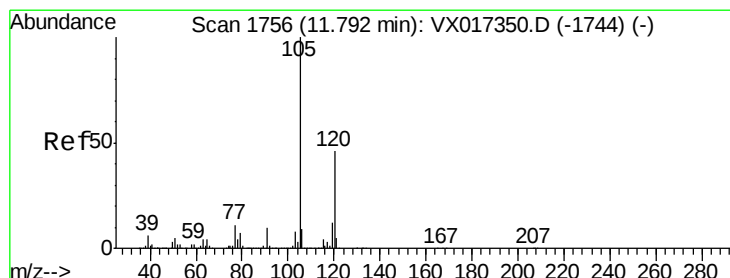
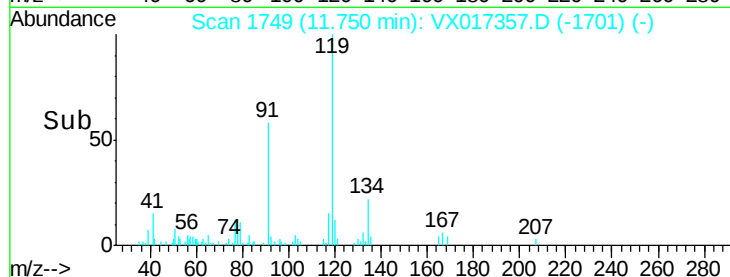
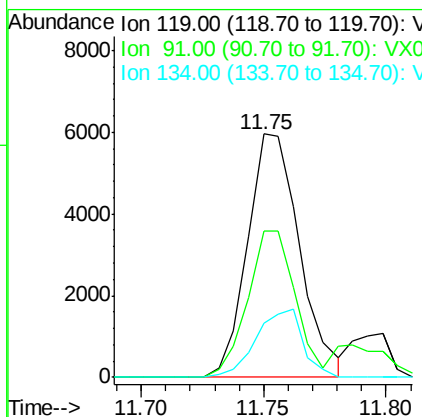
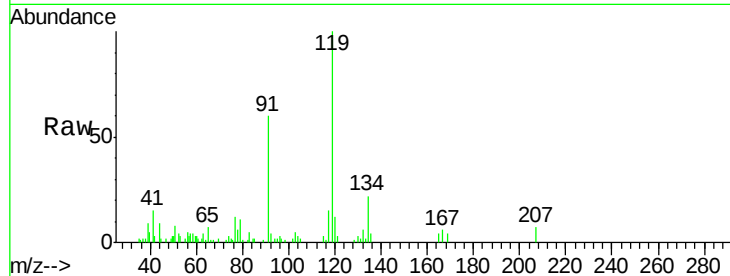
#83
tert-Butylbenzene
Concen: 0.732 ug/l
RT: 11.75 min Scan# 1749
Delta R.T. -0.01 min
Lab File: VX017357.D
Acq: 13 Jul 2020 16:50

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
119	100		
91	55.0	28.5	85.6
134	25.2	11.9	35.9

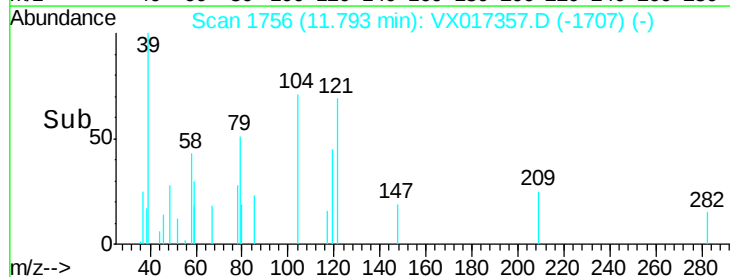
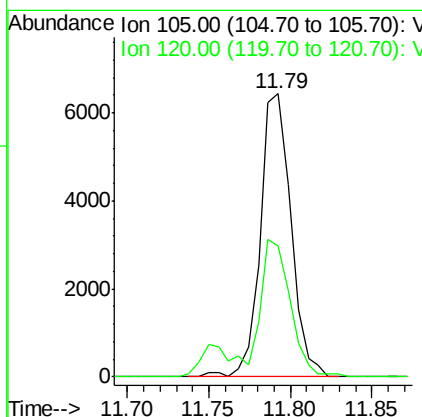
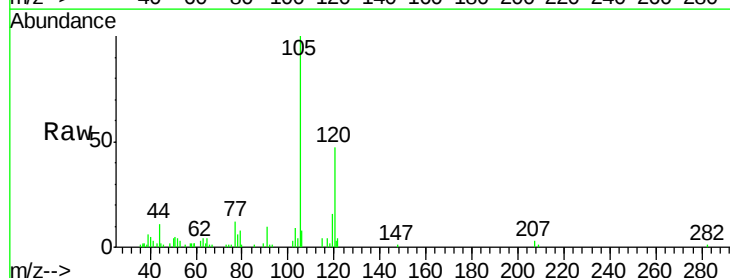
Manual Integrations
APPROVED

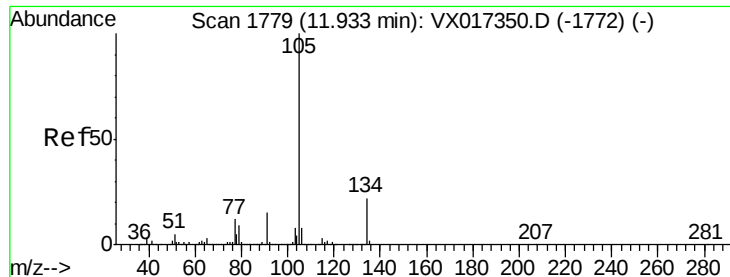
MMDadoda
7/14/2020 11:36:03 AM



#84
1,2,4-Trimethylbenzene
Concen: 0.662 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. 0.00 min
Lab File: VX017357.D
Acq: 13 Jul 2020 16:50

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.2	22.8	68.4





#85

sec-Butylbenzene

Concen: 0.645 ug/l

RT: 11.93 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VX017357.D

Acq: 13 Jul 2020 16:50

Instrument :

MSVOA_X

ClientSampleId :

LOD-MDL-WATER-01-QT3-2020

Tot Ion:105 Resp: 9121

Ion Ratio Lower Upper

105 100

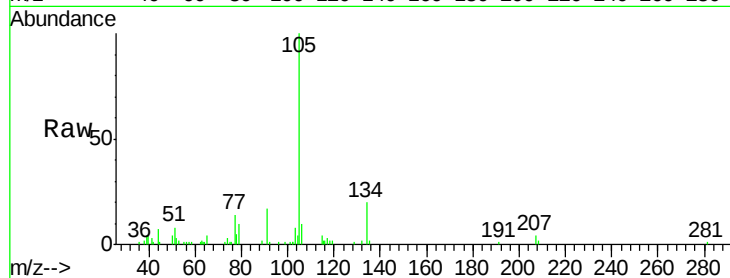
134 23.4 10.5 31.5

Manual Integrations

APPROVED

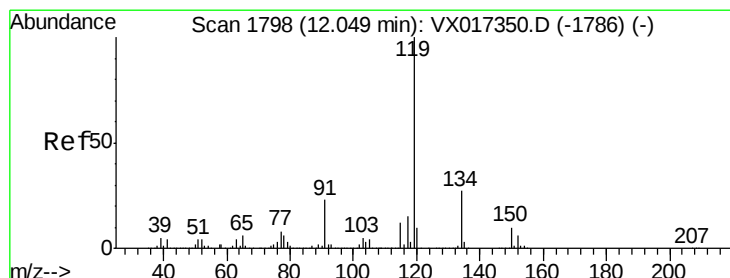
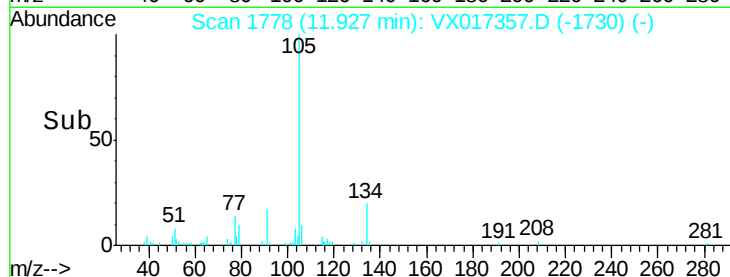
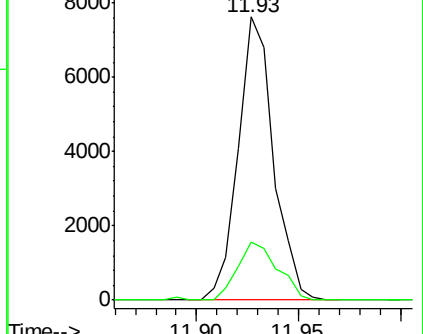
MMDadoda

7/14/2020 11:36:03 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.680 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VX017357.D

Acq: 13 Jul 2020 16:50

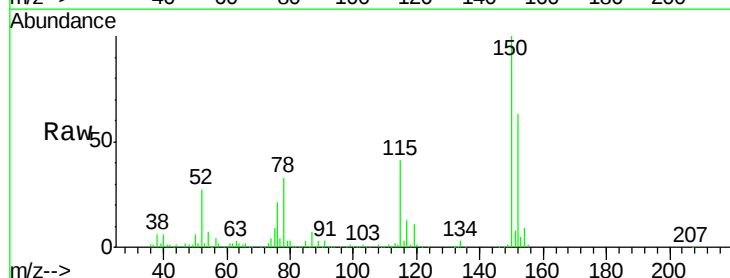
Tgt Ion:119 Resp: 9106

Ion Ratio Lower Upper

119 100

134 31.7 13.5 40.5

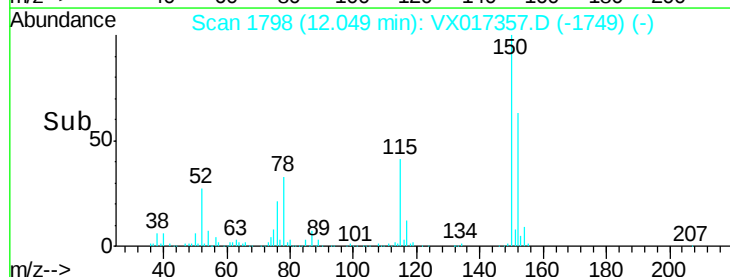
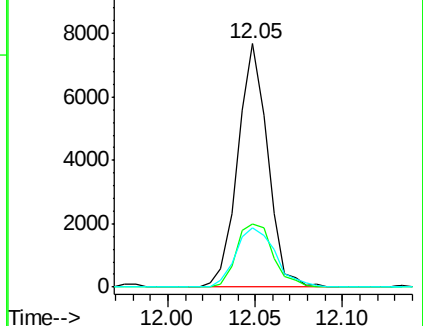
91 32.3 11.8 35.3

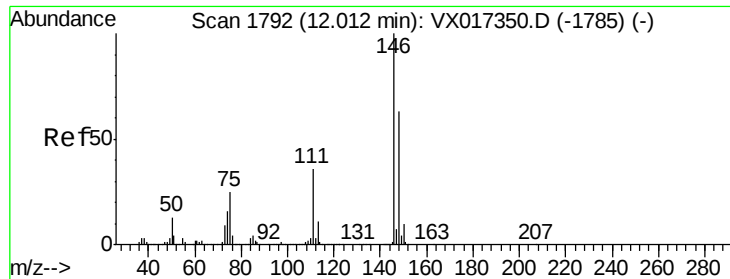


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 0.885 ug/l

RT: 12.01 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX017357.D

Acq: 13 Jul 2020 16:50

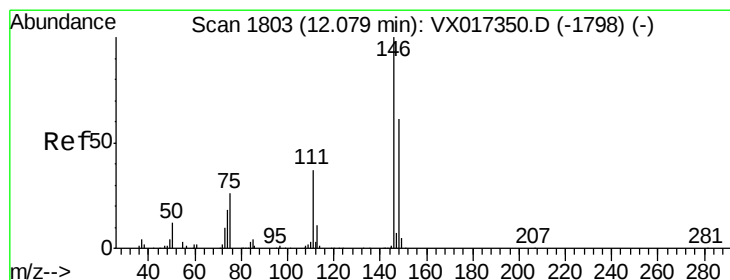
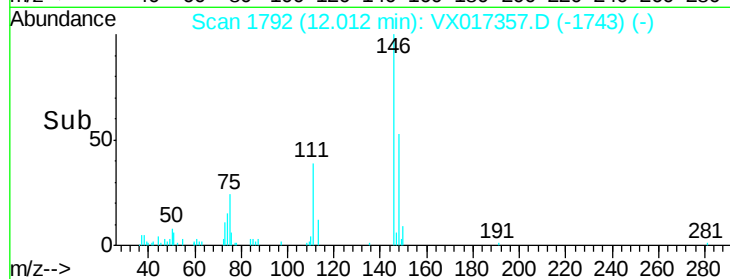
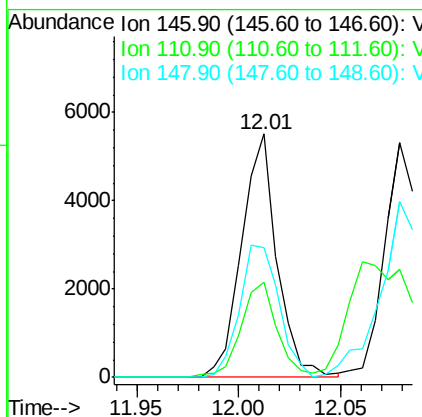
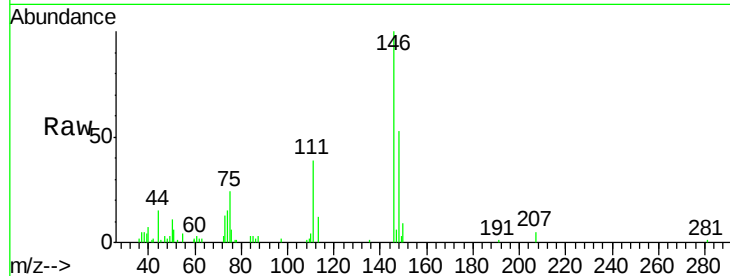
Instrument :
MSVOA_X

ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.2	57.6
148	60.5	31.6	95.0

Manual Integrations
APPROVED

MMDadoda
7/14/2020 11:36:03 AM



#88

1,4-Dichlorobenzene

Concen: 0.878 ug/l m

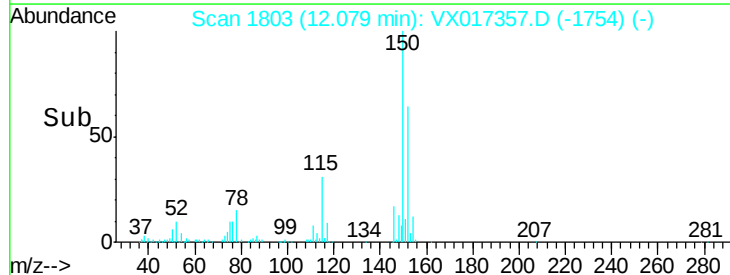
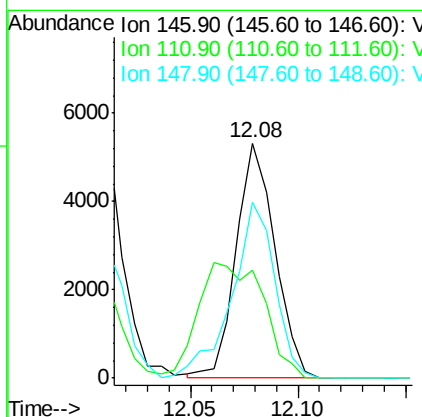
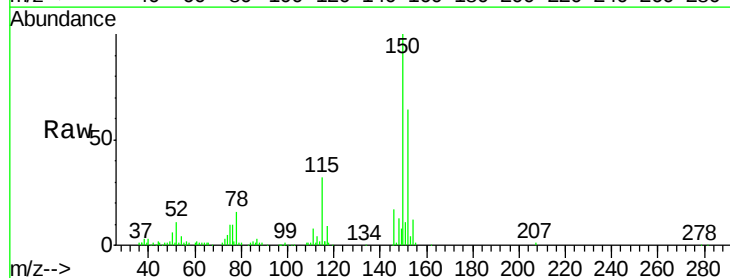
RT: 12.08 min Scan# 1803

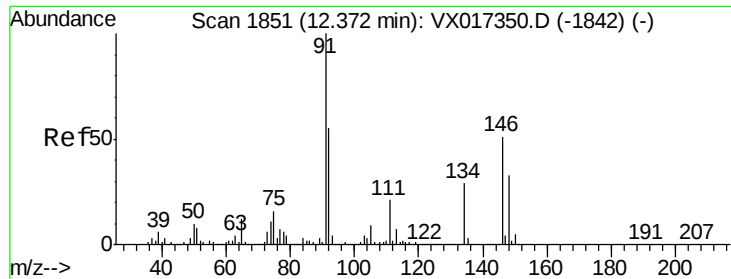
Delta R.T. 0.00 min

Lab File: VX017357.D

Acq: 13 Jul 2020 16:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	18.9	56.9
148	60.4	31.9	95.9





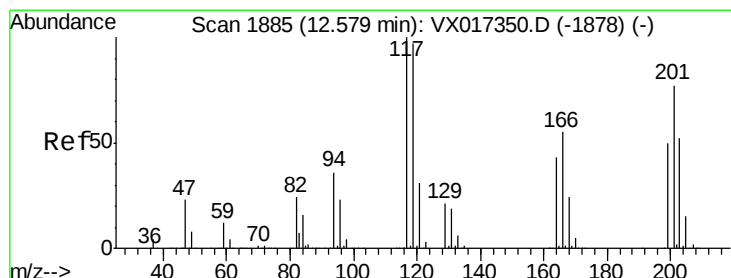
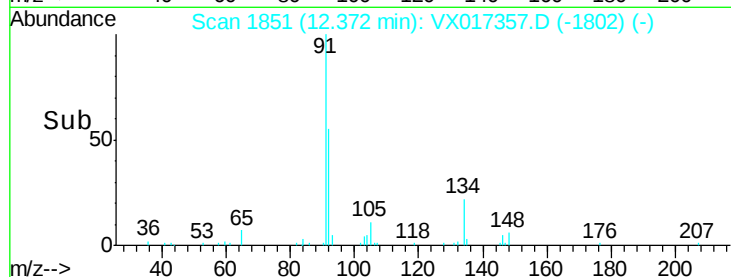
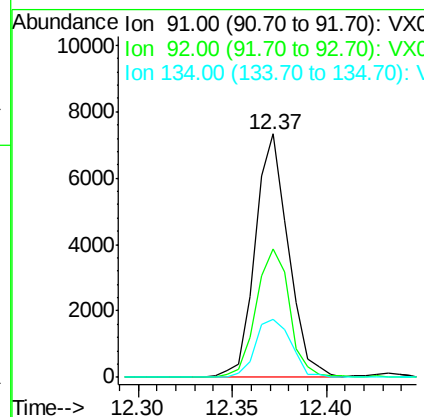
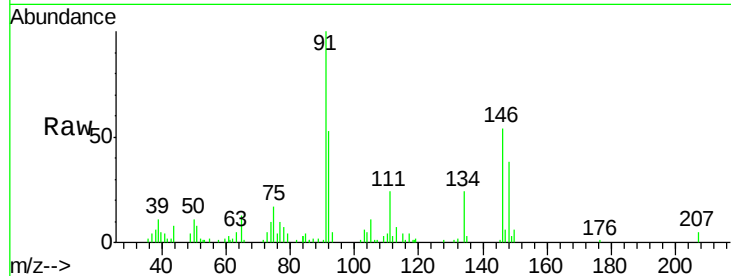
#89
n-Butylbenzene
Concen: 0.782 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX017357.D
Acq: 13 Jul 2020 16:50

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.4	27.0	81.0
134	25.8	14.1	42.2

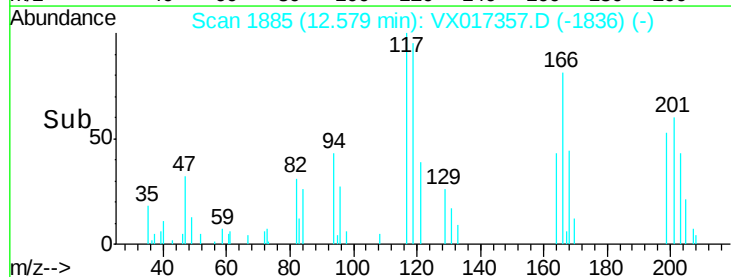
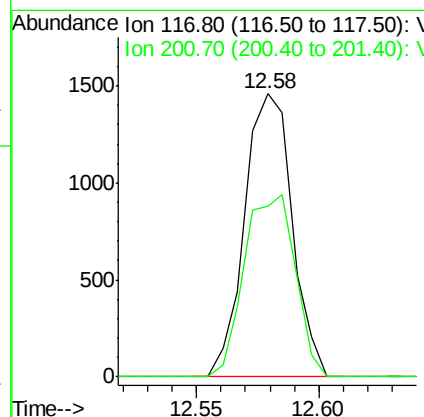
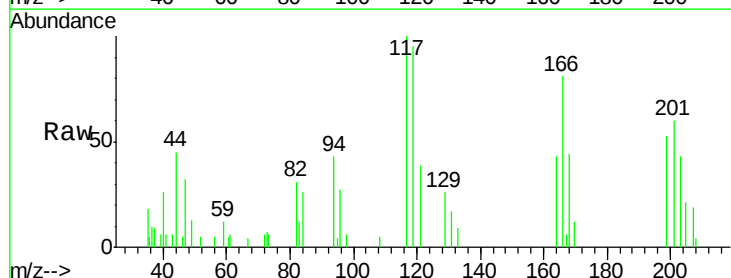
Manual Integrations
APPROVED

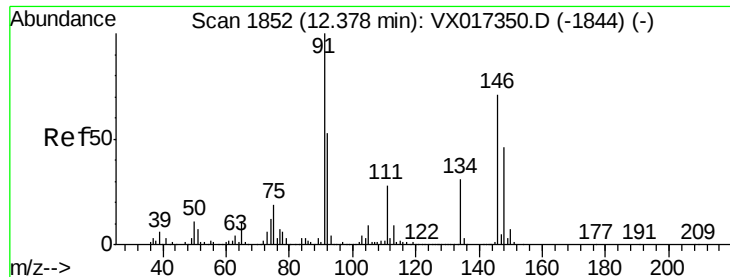
MMDadoda
7/14/2020 11:36:03 AM



#90
Hexachloroethane
Concen: 0.779 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX017357.D
Acq: 13 Jul 2020 16:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.7	41.0	123.0





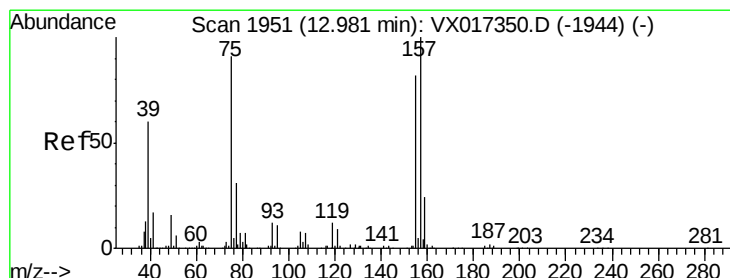
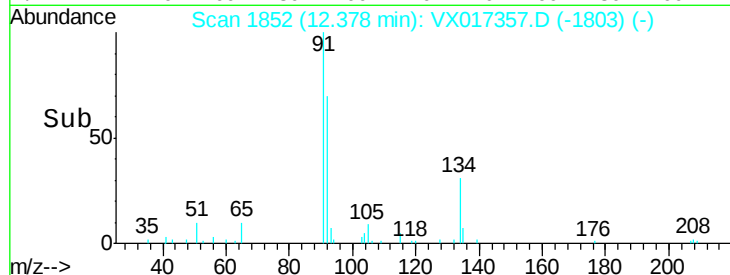
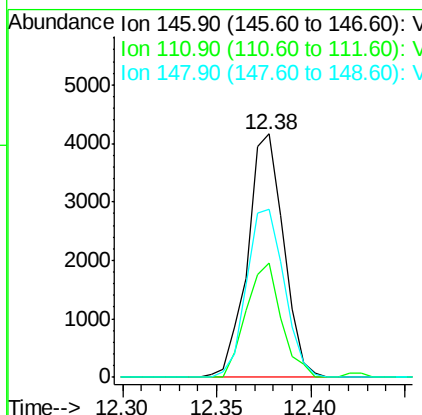
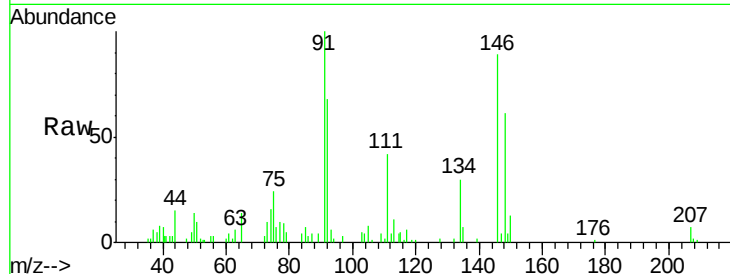
#91
1,2-Dichlorobenzene
Concen: 0.784 ug/l
RT: 12.38 min Scan# 1852
Delta R.T. 0.00 min
Lab File: VX017357.D
Acq: 13 Jul 2020 16:50

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.2	20.3	61.0
148	71.9	32.0	96.0

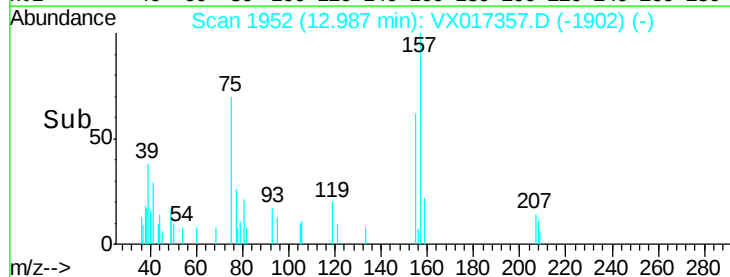
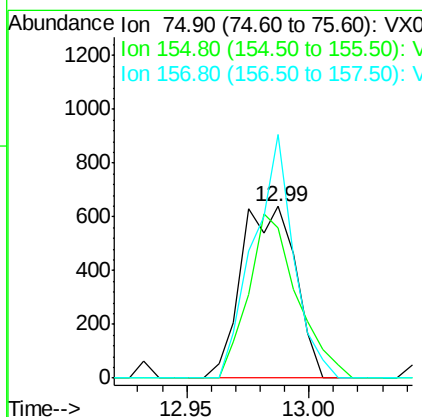
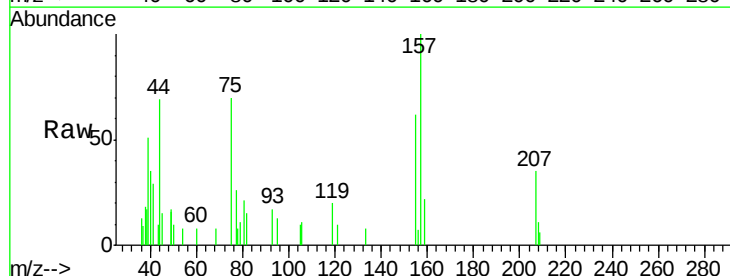
Manual Integrations
APPROVED

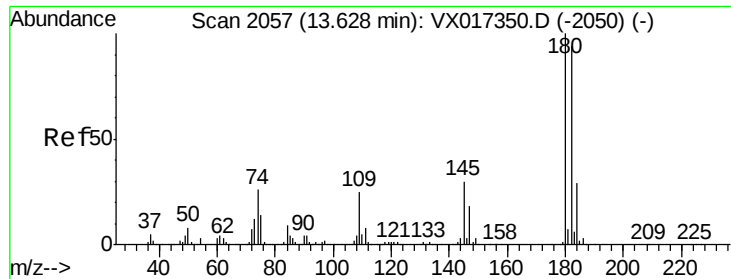
MMDadoda
7/14/2020 11:36:03 AM



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.836 ug/l
RT: 12.99 min Scan# 1952
Delta R.T. 0.01 min
Lab File: VX017357.D
Acq: 13 Jul 2020 16:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.0	46.5	139.3
157	105.3	58.0	173.9





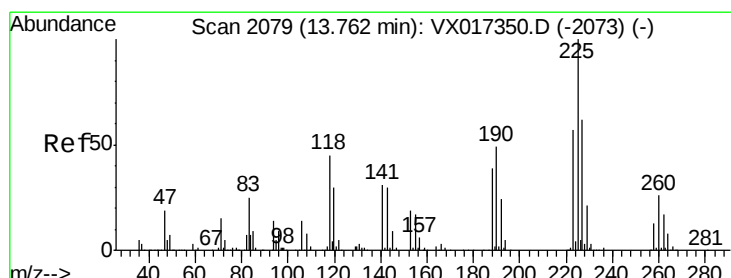
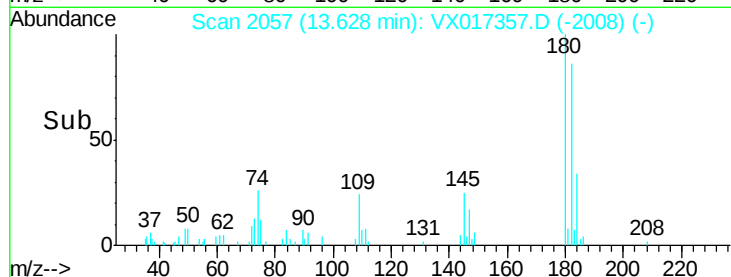
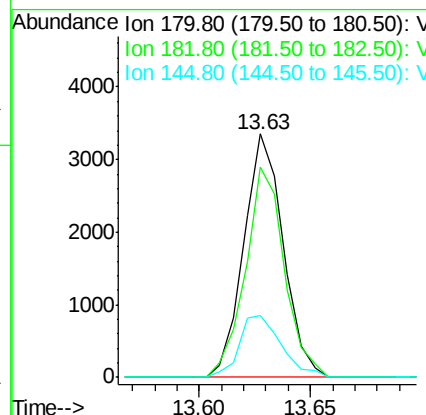
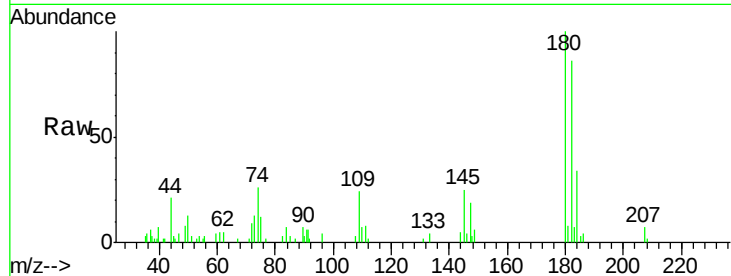
#93
1,2,4-Trichlorobenzene
Concen: 0.844 ug/l
RT: 13.63 min Scan# 2057
Delta R.T. 0.00 min
Lab File: VX017357.D
Acq: 13 Jul 2020 16:50

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
180	100		
182	85.5	48.4	145.0
145	27.3	15.3	45.8

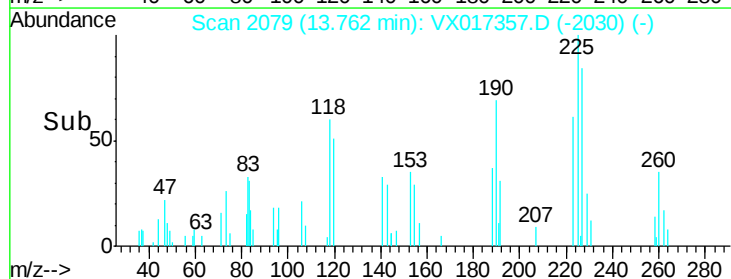
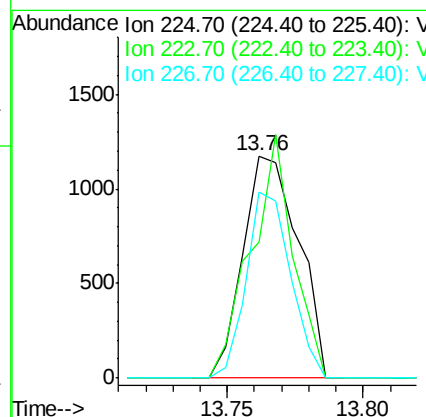
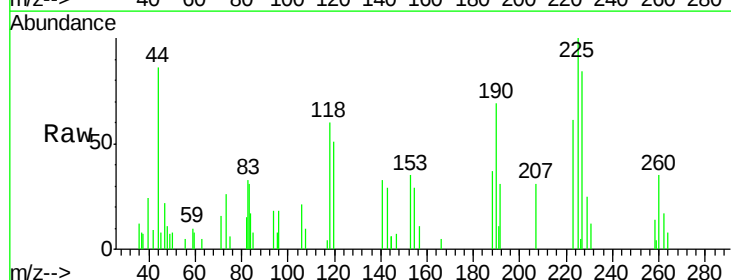
Manual Integrations
APPROVED

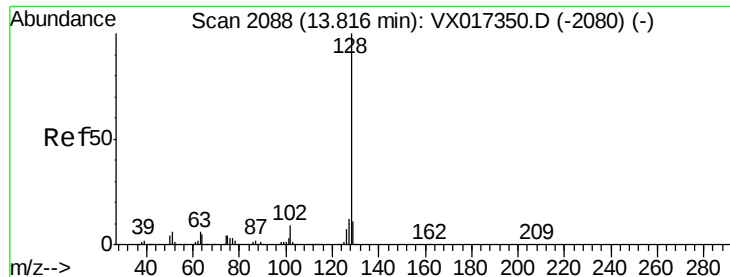
MMDadoda
7/14/2020 11:36:03 AM



#94
Hexachlorobutadiene
Concen: 0.828 ug/l
RT: 13.76 min Scan# 2079
Delta R.T. 0.00 min
Lab File: VX017357.D
Acq: 13 Jul 2020 16:50

Tgt Ion	Ratio	Lower	Upper
225	100		
223	83.7	31.3	93.8
227	67.2	31.6	95.0





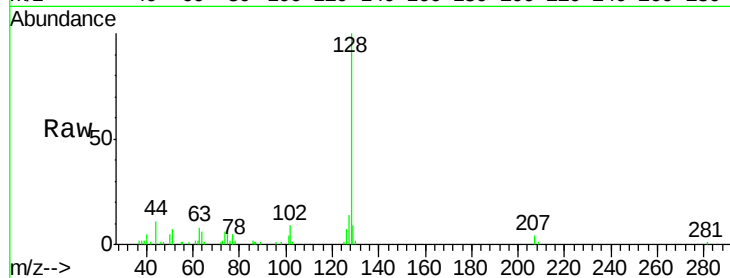
#95
Naphthalene
Concen: 0.715 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX017357.D
Acq: 13 Jul 2020 16:50

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT3-2020

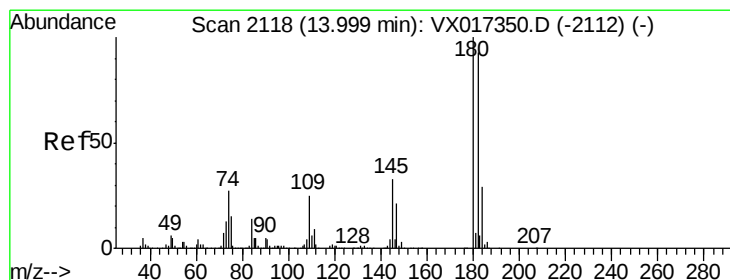
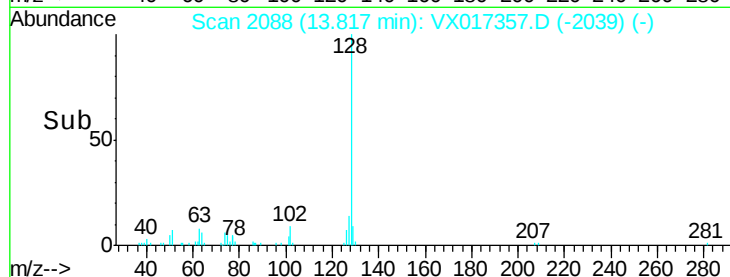
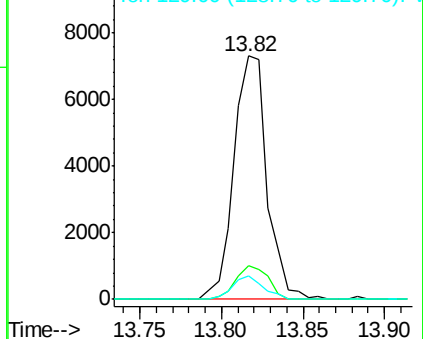
Tot Ion	Ratio	Resp	Lower	Upper
128	100	10298		
127	13.7		10.2	15.4
129	8.9		8.9	13.3

Manual Integrations
APPROVED

MMDadoda
7/14/2020 11:36:03 AM

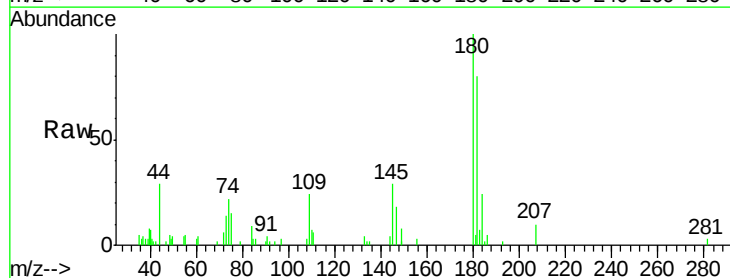


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 0.829 ug/l
RT: 14.01 min Scan# 2119
Delta R.T. 0.01 min
Lab File: VX017357.D
Acq: 13 Jul 2020 16:50

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	3918		
182	92.5		48.8	146.3
145	29.5		16.6	49.7



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

