

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX092320\
 Data File : VX018556.D
 Acq On : 23 Sep 2020 23:37
 Operator : JC/SP
 Sample : L4083-15MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE109D3-20200917MSD

Manual Integrations
 APPROVED

MMDadoda
 9/24/2020 1:39:39 PM

Quant Time: Sep 24 01:57:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 17 12:17:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	428984	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	678648	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	644918	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	348044	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	279302	46.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.04%	
35) Dibromofluoromethane	5.47	113	217038	46.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.52%	
50) Toluene-d8	8.70	98	763954	44.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.64%	
62) 4-Bromofluorobenzene	11.12	95	294407	43.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	196860	48.402	ug/l	96
3) Chloromethane	1.31	50	217865	45.756	ug/l	97
4) Vinyl Chloride	1.39	62	227678	45.167	ug/l	98
5) Bromomethane	1.64	94	157703	50.973	ug/l	99
6) Chloroethane	1.72	64	133974	46.438	ug/l	100
7) Trichlorofluoromethane	1.92	101	393214	51.348	ug/l	96
8) Diethyl Ether	2.17	74	122856	45.726	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	203646	49.407	ug/l	99
10) Methyl Iodide	2.50	142	246452	48.488	ug/l	94
11) Tert butyl alcohol	3.05	59	210093	198.967	ug/l	99
12) 1,1-Dichloroethene	2.36	96	198631	47.812	ug/l	93
13) Acrolein	2.28	56	201696	301.672	ug/l	96
14) Allyl chloride	2.71	41	347982	43.224	ug/l	95
15) Acrylonitrile	3.12	53	555631	220.536	ug/l	99
16) Acetone	2.43	43	483222	208.206	ug/l	97
17) Carbon Disulfide	2.55	76	557573	44.939	ug/l	99
18) Methyl Acetate	2.75	43	245111	42.625	ug/l	99
19) Methyl tert-butyl Ether	3.17	73	720578	49.410	ug/l	98
20) Methylene Chloride	2.84	84	227137	44.356	ug/l	95
21) trans-1,2-Dichloroethene	3.14	96	215285	44.589	ug/l	97
22) Diisopropyl ether	3.82	45	711149	46.994	ug/l	100
23) Vinyl Acetate	3.79	43	2968605	221.384	ug/l	100
24) 1,1-Dichloroethane	3.67	63	405089	46.417	ug/l	98
25) 2-Butanone	4.64	43	761121	210.590	ug/l	100
26) 2,2-Dichloropropane	4.55	77	333723	41.387	ug/l	100
27) cis-1,2-Dichloroethene	4.57	96	247895	45.807	ug/l	100
28) Bromochloromethane	4.98	49	184419	45.158	ug/l	99
29) Tetrahydrofuran	5.10	42	496682	218.035	ug/l	98
30) Chloroform	5.18	83	432339	48.825	ug/l	98
31) Cyclohexane	5.55	56	327912	44.650	ug/l	97
32) 1,1,1-Trichloroethane	5.46	97	406890	48.981	ug/l	98
36) 1,1-Dichloropropene	5.77	75	308790	46.879	ug/l	99
37) Ethyl Acetate	4.79	43	298755	42.473	ug/l	99
38) Carbon Tetrachloride	5.76	117	377014	51.680	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	331548	44.802	ug/l	99
40) Benzene	6.11	78	874390	46.320	ug/l	99
41) Methacrylonitrile	5.01	41	172743	44.197	ug/l	98
42) 1,2-Dichloroethane	6.17	62	366070	49.846	ug/l	99
43) Isopropyl Acetate	6.42	43	509590	43.658	ug/l	100
44) Trichloroethene	7.19	130	569422	104.199	ug/l	100
45) 1,2-Dichloropropane	7.49	63	236093	45.566	ug/l	100
46) Dibromomethane	7.64	93	167200	46.970	ug/l	98
47) Bromodichloromethane	7.88	83	356481	49.690	ug/l	96
48) Methyl methacrylate	7.75	41	257675	45.354	ug/l	97
49) 1,4-Dioxane	7.76	88	67531	719.367	ug/l	97
51) 4-Methyl-2-Pentanone	8.62	43	1593034	229.216	ug/l	99
52) Toluene	8.77	92	561277	47.249	ug/l	97
53) t-1,3-Dichloropropene	9.02	75	380901	46.726	ug/l	98
54) cis-1,3-Dichloropropene	8.42	75	380322	45.287	ug/l	95
55) 1,1,2-Trichloroethane	9.20	97	236077	47.894	ug/l	98
56) Ethyl methacrylate	9.16	69	343873	47.049	ug/l	98
57) 1,3-Dichloropropane	9.35	76	391948	47.327	ug/l	100
59) 2-Hexanone	9.48	43	1192883	225.661	ug/l	99
60) Dibromochloromethane	9.57	129	288685	49.116	ug/l	99
61) 1,2-Dibromoethane	9.65	107	254036	48.438	ug/l	99
64) Tetrachloroethene	9.32	164	241716	47.607	ug/l	95
65) Chlorobenzene	10.12	112	625742	47.120	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	258216	48.471	ug/l	98
67) Ethyl Benzene	10.24	91	1097236	47.735	ug/l	98
68) m/p-Xylenes	10.34	106	822684	94.614	ug/l	97
69) o-Xylene	10.68	106	396943	48.209	ug/l	96
70) Stvrene	10.70	104	676638	47.594	ug/l	97
71) Bromoform	10.84	173	202687	45.315	ug/l #	95
73) Isopropylbenzene	11.00	105	1088505	46.816	ug/l	99
74) N-amyl acetate	10.88	43	427599	40.850	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.25	83	347645	45.173	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	320985m	43.887	ug/l	
77) Bromobenzene	11.24	156	284694	44.378	ug/l	96
78) n-propylbenzene	11.34	91	1250121	45.934	ug/l	99
79) 2-Chlorotoluene	11.40	91	741756	45.026	ug/l	98
80) 1,3,5-Trimethylbenzene	11.49	105	925988	46.569	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.06	75	116257	40.731	ug/l	94
82) 4-Chlorotoluene	11.49	91	889395	45.418	ug/l	100
83) tert-Butylbenzene	11.76	119	899274	46.580	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	934224	46.652	ug/l	97
85) sec-Butylbenzene	11.93	105	1040616	45.682	ug/l	99
86) p-Isopropyltoluene	12.05	119	961526	45.928	ug/l	98
87) 1,3-Dichlorobenzene	12.01	146	513375	44.507	ug/l	99
88) 1,4-Dichlorobenzene	12.08	146	524796	44.872	ug/l	99
89) n-Butylbenzene	12.37	91	844524	43.575	ug/l	99
90) Hexachloroethane	12.58	117	184853	44.228	ug/l	93
91) 1,2-Dichlorobenzene	12.38	146	512667	47.487	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.98	75	83645	44.772	ug/l	97
93) 1,2,4-Trichlorobenzene	13.63	180	322779	42.958	ug/l	96

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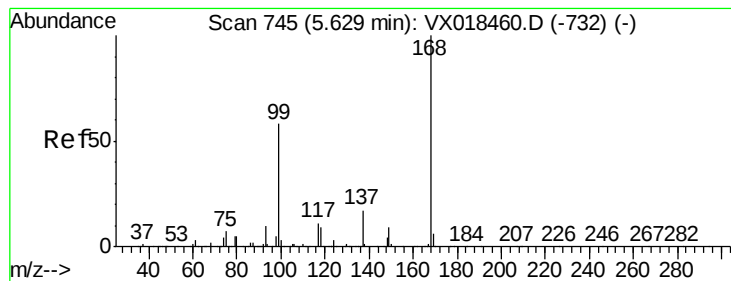
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Thu Sep 17 12:17:36 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.77	225	143807	45.609	ug/l	97
95) Naphthalene	13.82	128	1049317	46.242	ug/l	100
96) 1,2,3-Trichlorobenzene	14.00	180	328200	45.705	ug/l	99

(#) = 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: VX018556.D

Acq: 23 Sep 2020 23:37

Instrument :

MSVOA_X

ClientSampleId :

RE109D3-20200917MSD

Tot Ion:168 Resp: 428984

Ion Ratio Lower Upper

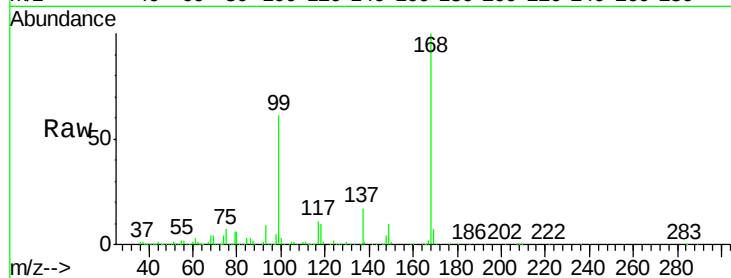
168 100

99 61.0 46.5 69.7

Manual Integrations
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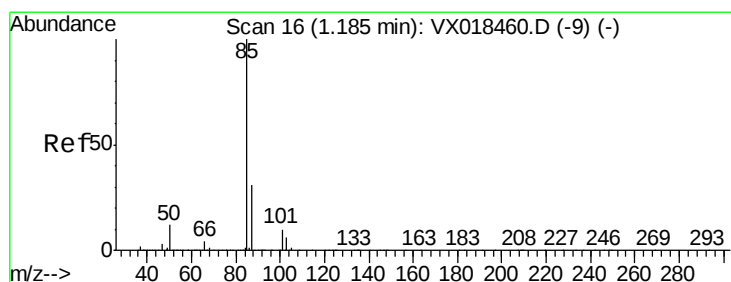
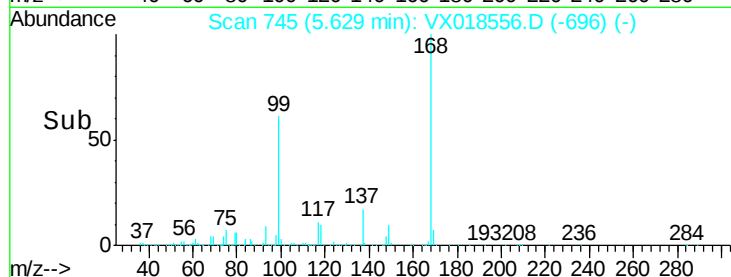
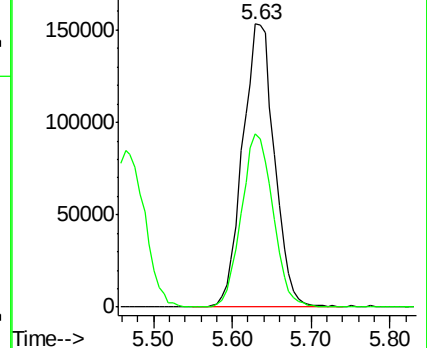
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 48.402 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX018556.D

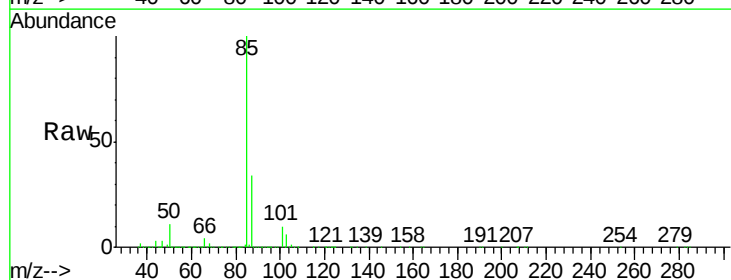
Acq: 23 Sep 2020 23:37

Tgt Ion: 85 Resp: 196860

Ion Ratio Lower Upper

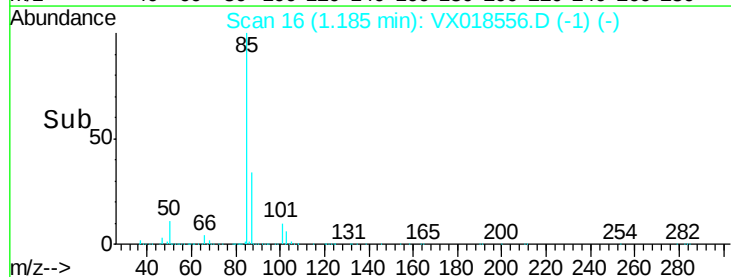
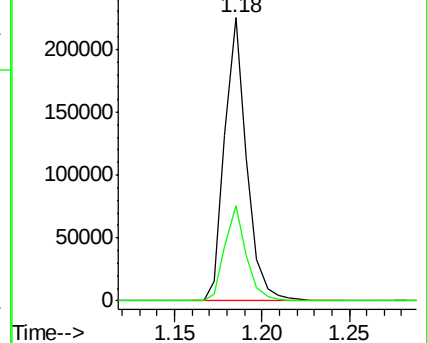
85 100

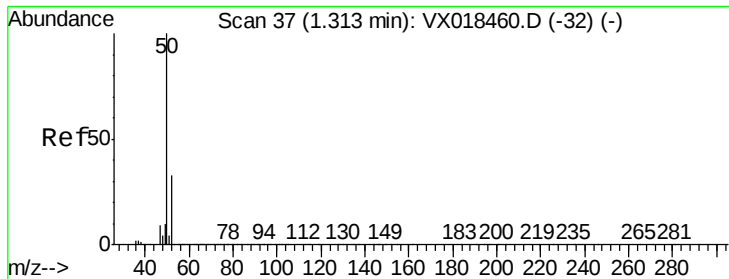
87 33.8 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 45.756 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX018556.D

Acq: 23 Sep 2020 23:37

Instrument :

MSVOA_X

ClientSampleId :

RE109D3-20200917MSD

Tot Ion: 50 Resp: 217865

Ion Ratio Lower Upper

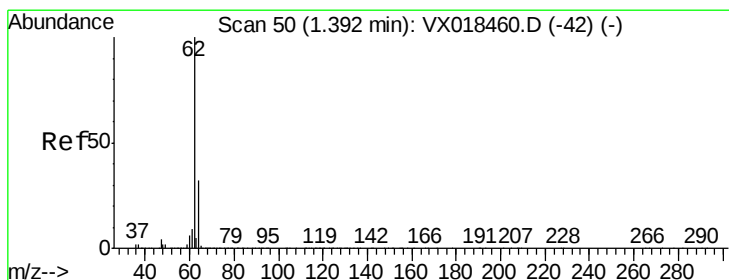
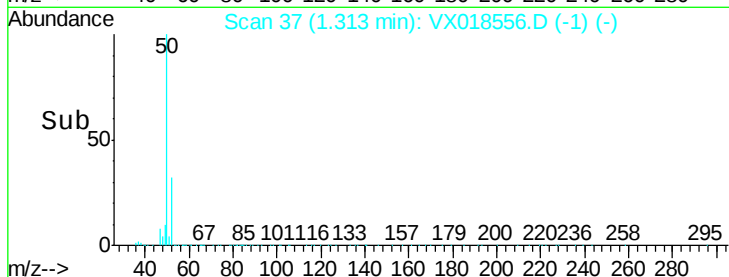
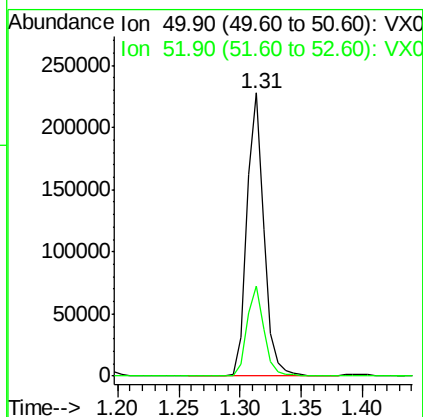
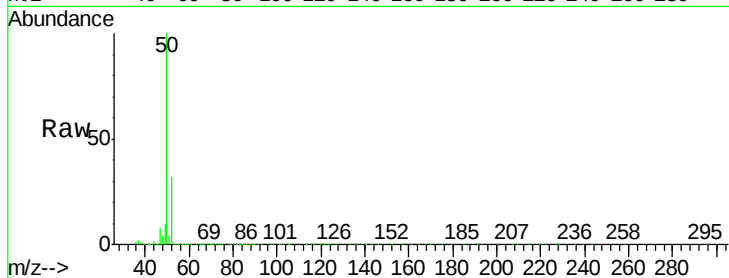
50 100

52 31.6 26.6 40.0

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#4

Vinyl Chloride

Concen: 45.167 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX018556.D

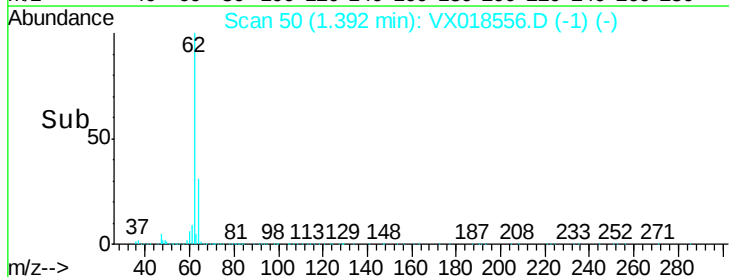
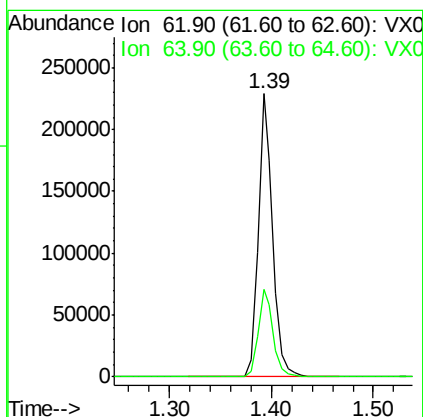
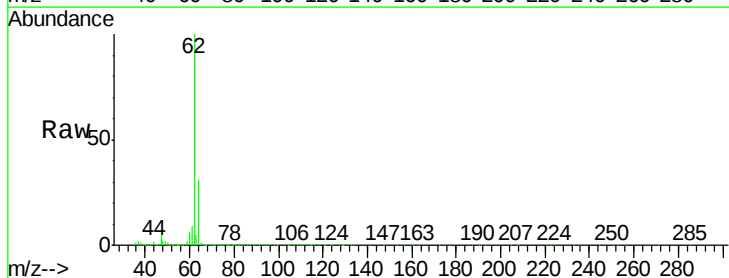
Acq: 23 Sep 2020 23:37

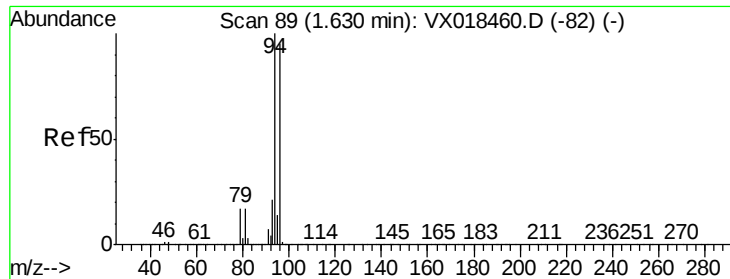
Tgt Ion: 62 Resp: 227678

Ion Ratio Lower Upper

62 100

64 31.1 25.7 38.5





#5

Bromomethane

Concen: 50.973 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.01 min

Lab File: VX018556.D

Acq: 23 Sep 2020 23:37

Instrument :

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ClientSampleId :

RE109D3-20200917MSD

Tot Ion: 94 Resp: 157703

Ion Ratio Lower Upper

94 100

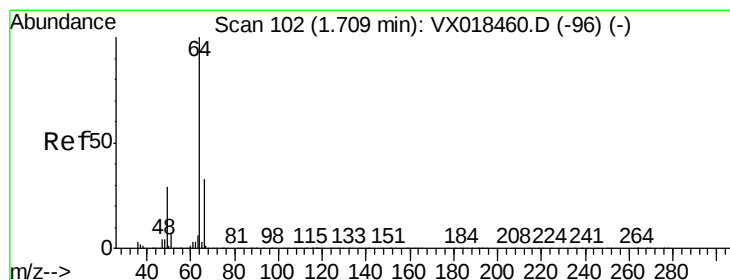
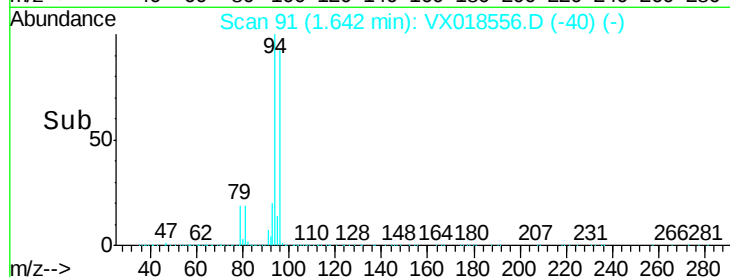
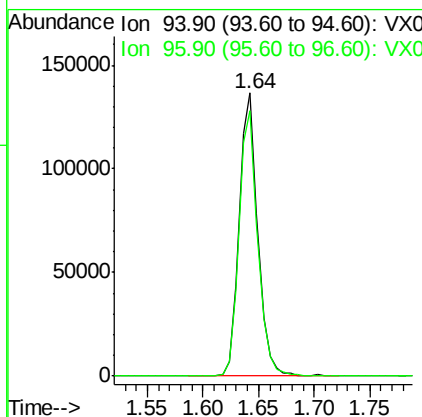
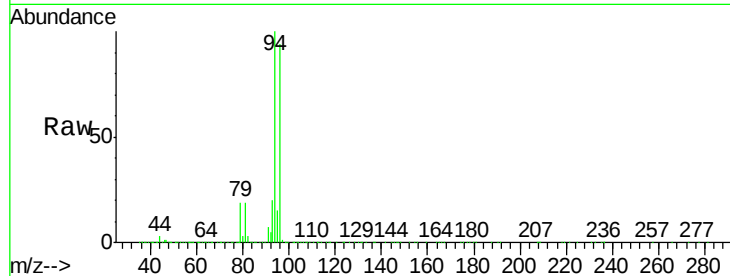
96 93.5 75.5 113.3

Manual Integrations

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#6

Chloroethane

Concen: 46.438 ug/l

RT: 1.72 min Scan# 103

Delta R.T. 0.01 min

Lab File: VX018556.D

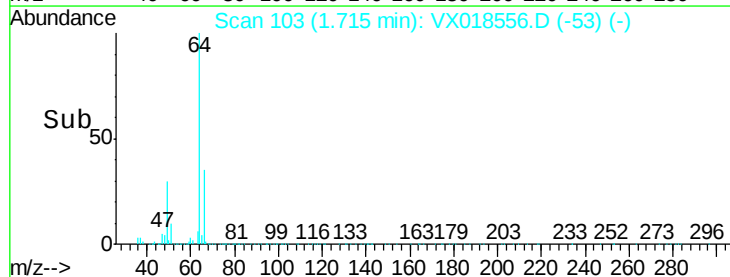
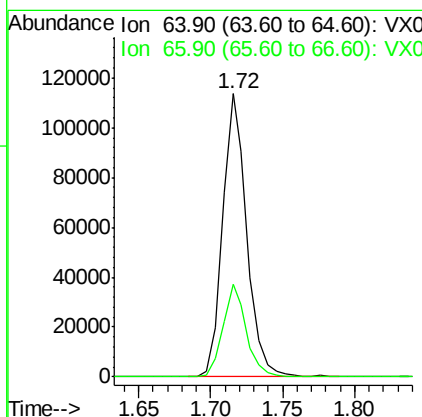
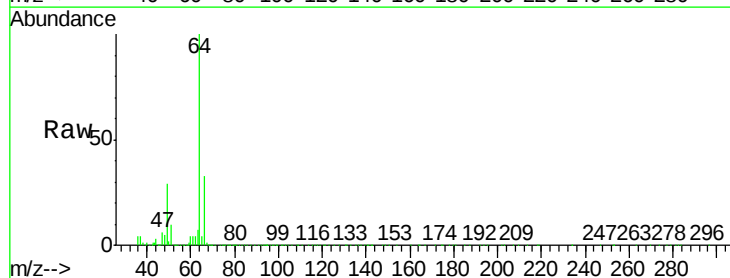
Acq: 23 Sep 2020 23:37

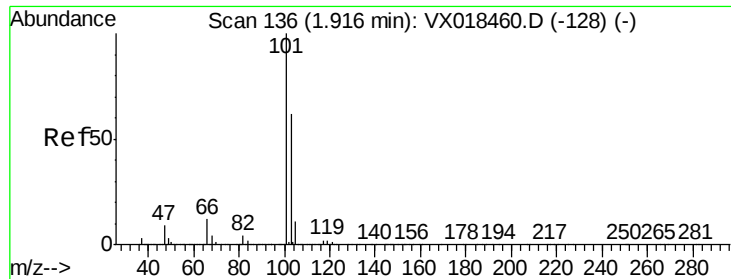
Tgt Ion: 64 Resp: 133974

Ion Ratio Lower Upper

64 100

66 32.8 26.2 39.4





#7

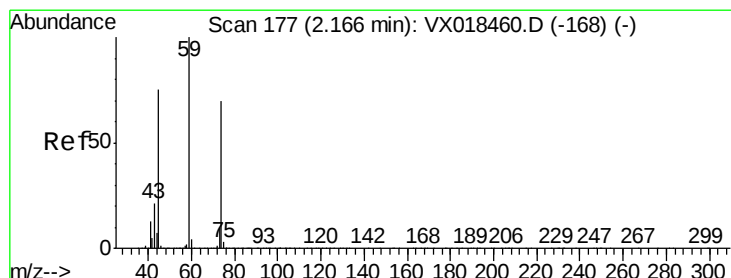
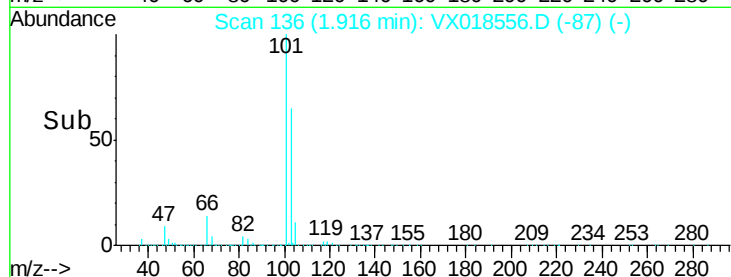
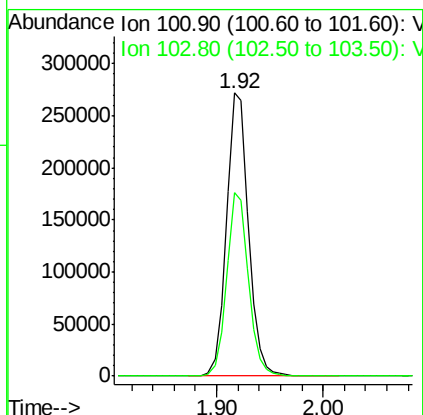
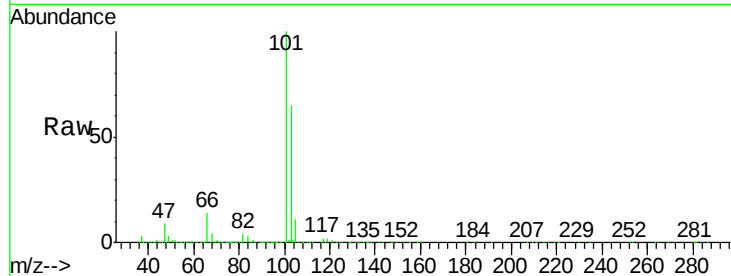
Trichlorofluoromethane
Concen: 51.348 ug/l
RT: 1.92 min Scan# 136
Delta R.T. 0.00 min
Lab File: VX018556.D
Acq: 23 Sep 2020 23:37

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RE109D3-20200917MSD

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	49.6	74.4

Manual Integrations
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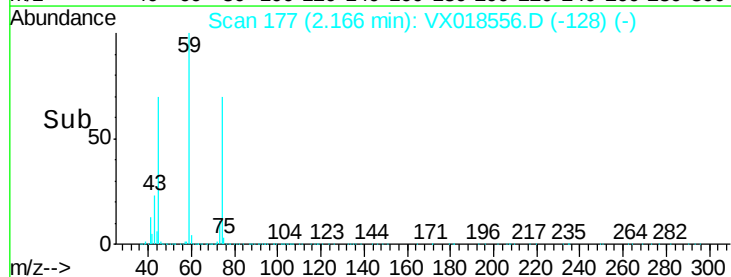
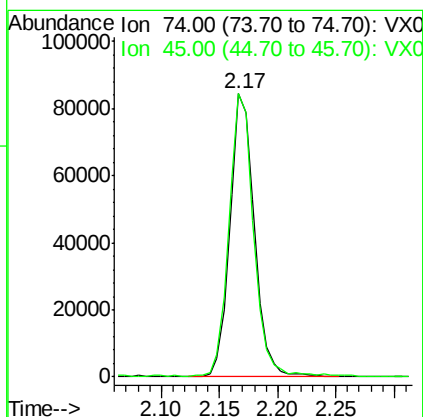
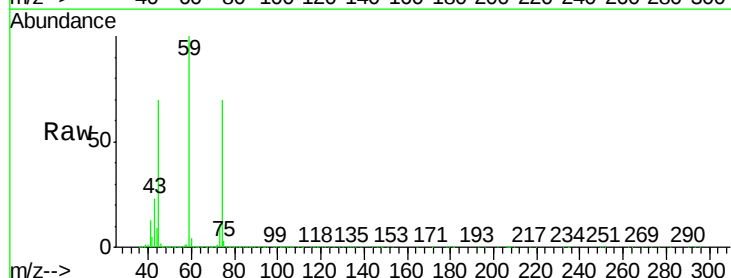
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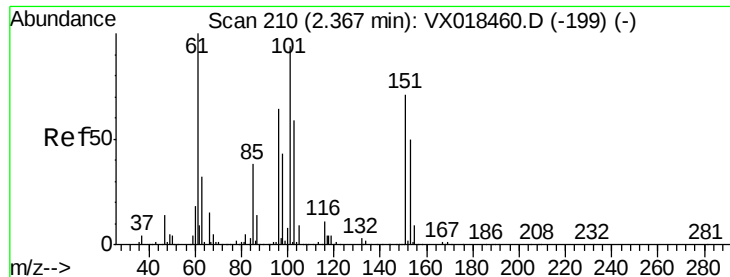


#8

Diethyl Ether
Concen: 45.726 ug/l
RT: 2.17 min Scan# 177
Delta R.T. 0.00 min
Lab File: VX018556.D
Acq: 23 Sep 2020 23:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.1	50.7	152.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.407 ug/l

RT: 2.37 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX018556.D

Acq: 23 Sep 2020 23:37

Instrument :

MSVOA_X

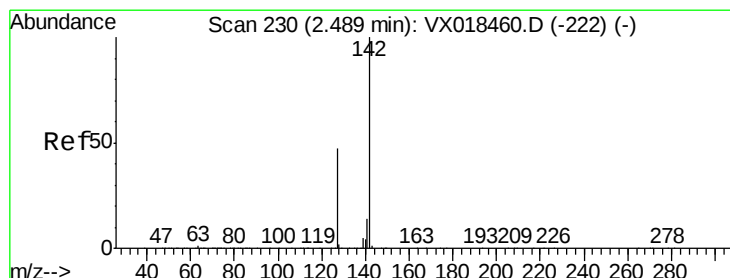
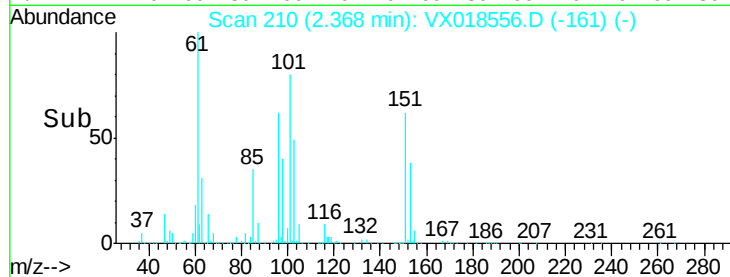
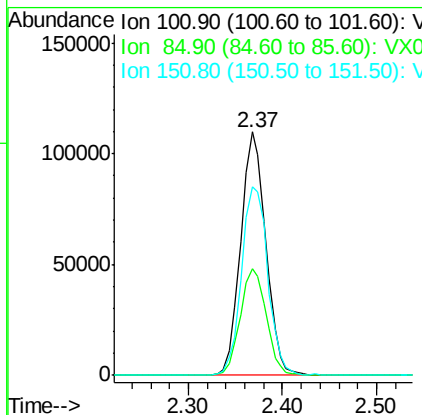
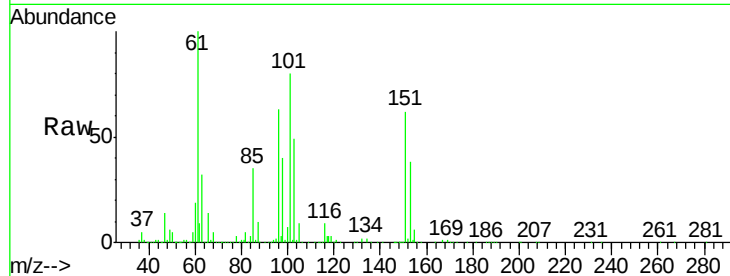
ClientSampleId :

RE109D3-20200917MSD

Tot Ion:	101	Resp:	203646
Ion Ratio	Lower	Upper	
101	100		
85	45.6	34.7	52.1
151	81.2	64.9	97.3

Manual Integrations
APPROVED

MMDadoda
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#10

Methyl Iodide

Concen: 48.488 ug/l

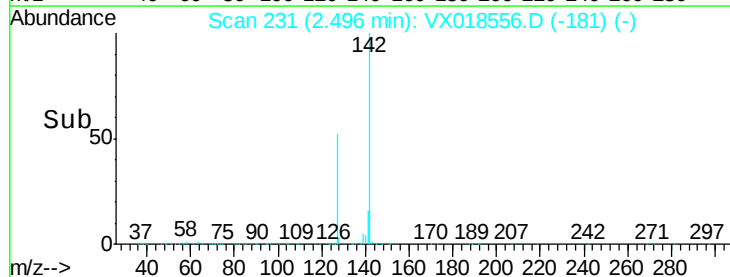
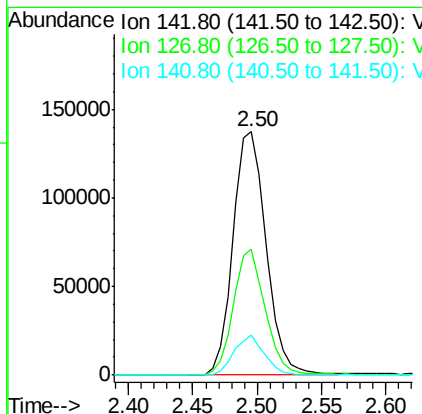
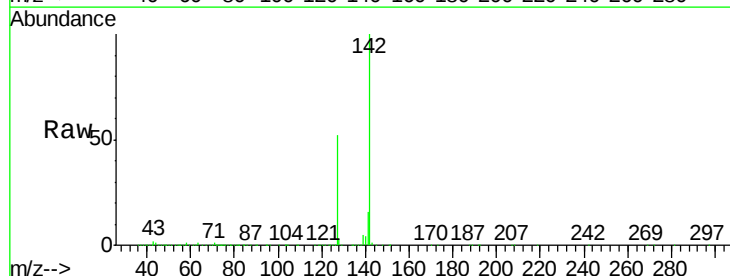
RT: 2.50 min Scan# 231

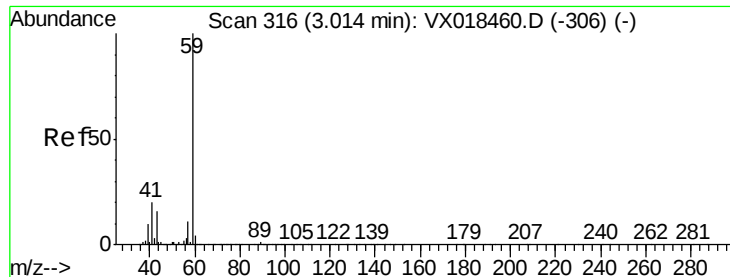
Delta R.T. 0.01 min

Lab File: VX018556.D

Acq: 23 Sep 2020 23:37

Tgt Ion:	142	Resp:	246452
Ion Ratio	Lower	Upper	
142	100		
127	49.8	36.0	54.0
141	15.4	11.9	17.9





#11

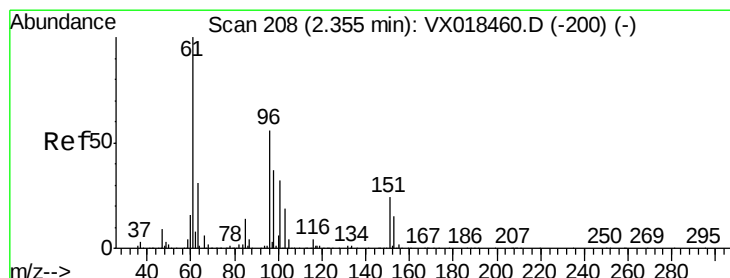
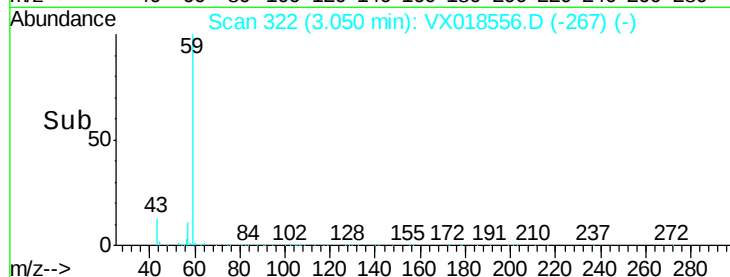
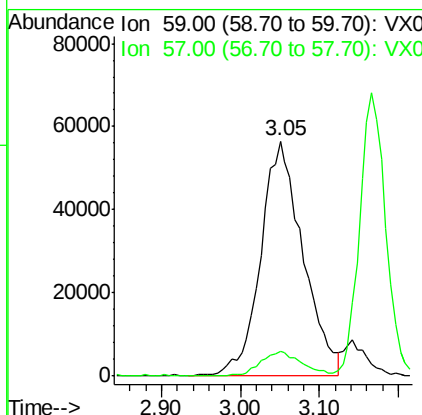
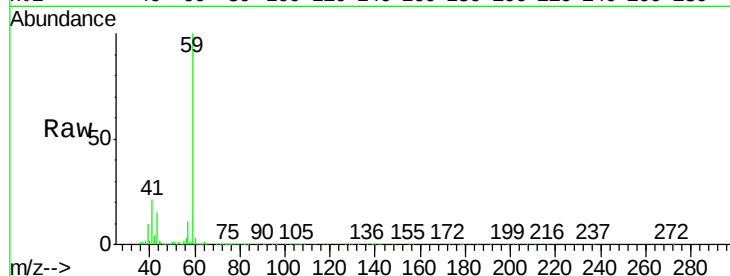
Tert butyl alcohol
Concen: 198.967 ug/l
RT: 3.05 min Scan# 322
Delta R.T. 0.04 min
Lab File: VX018556.D
Acq: 23 Sep 2020 23:37

Instrument :
MSVOA_X
ClientSampleId :
RE109D3-20200917MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.2	12.4

Manual Integrations
APPROVED

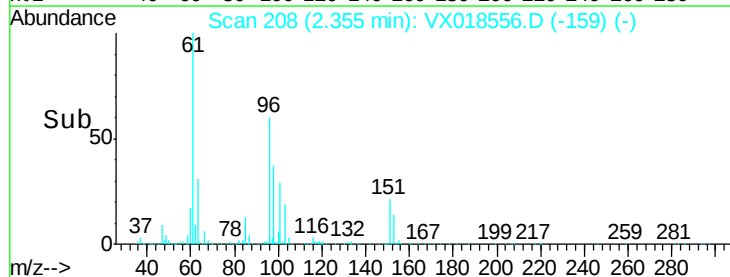
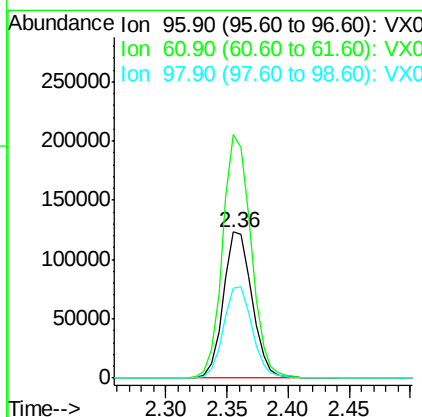
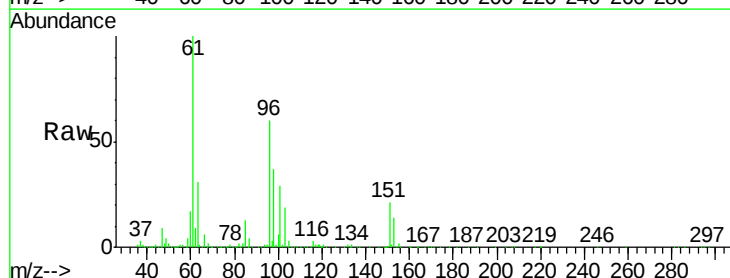
MMDadoda
9/24/2020 1:39:39 PM

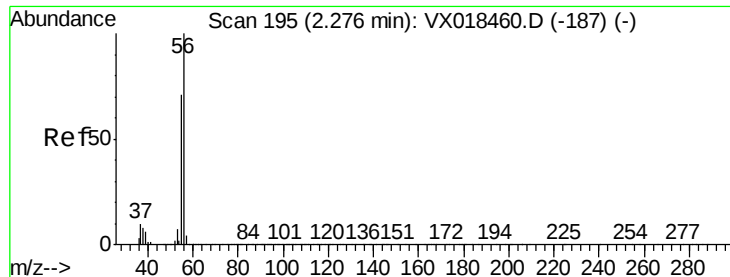


#12

1,1-Dichloroethene
Concen: 47.812 ug/l
RT: 2.36 min Scan# 208
Delta R.T. 0.00 min
Lab File: VX018556.D
Acq: 23 Sep 2020 23:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.0	142.2	213.4
98	61.8	52.4	78.6





#13

Acrolein

Concen: 301.672 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.00 min

Lab File: VX018556.D

Acq: 23 Sep 2020 23:37

Instrument :

MSVOA_X

ClientSampleId :

RE109D3-20200917MSD

Tot Ion: 56 Resp: 201696

Ion Ratio Lower Upper

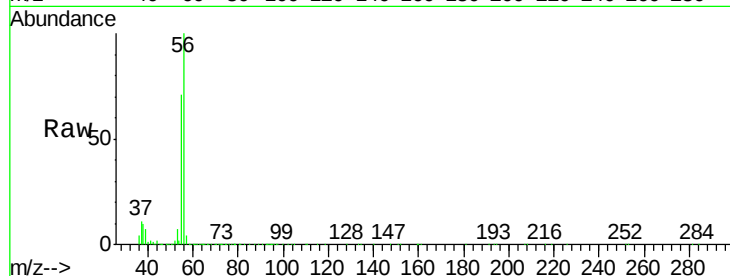
56 100

55 69.8 58.2 87.4

Manual Integrations
APPROVED

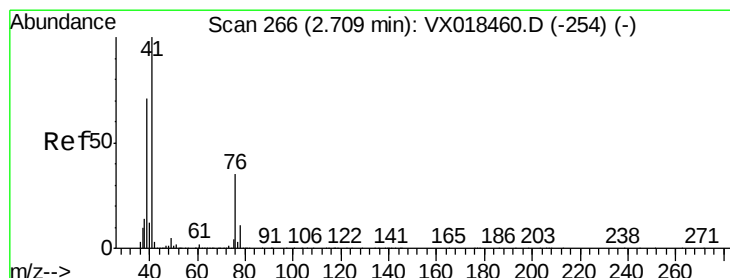
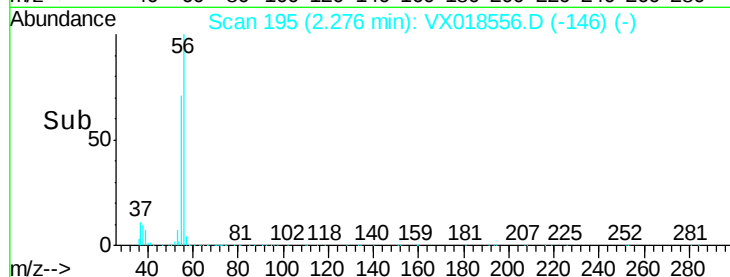
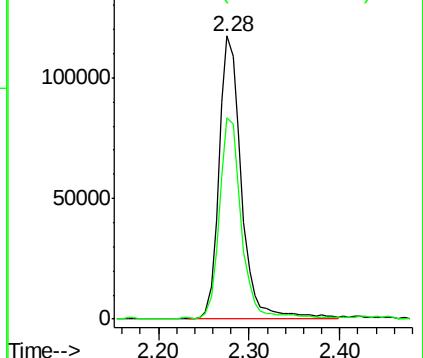
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 43.224 ug/l

RT: 2.71 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX018556.D

Acq: 23 Sep 2020 23:37

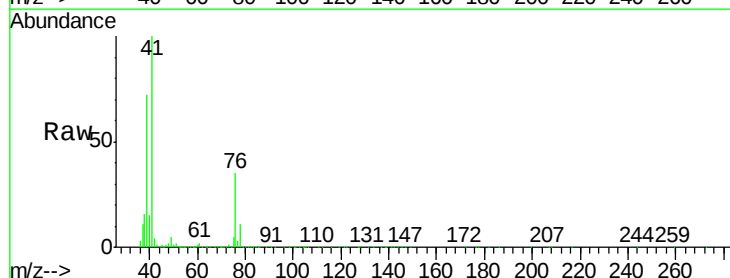
Tgt Ion: 41 Resp: 347982

Ion Ratio Lower Upper

41 100

39 69.1 51.1 76.7

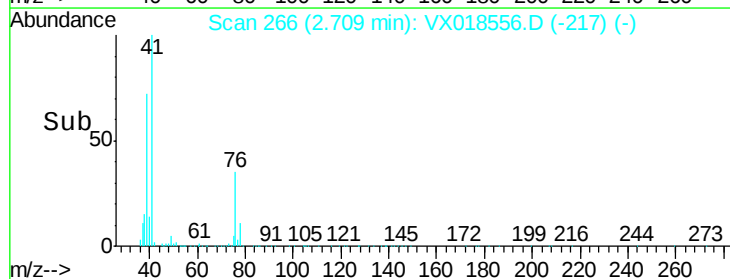
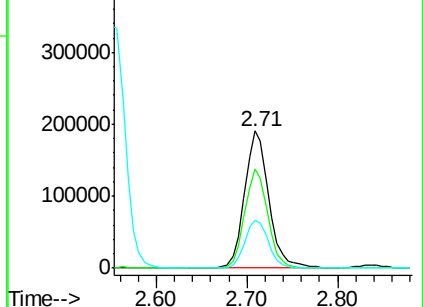
76 33.7 26.0 39.0

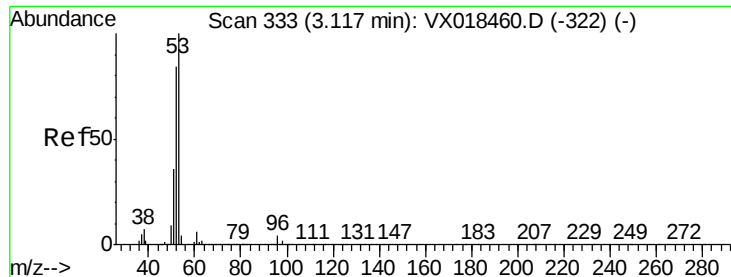


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 220.536 ug/l

RT: 3.12 min Scan# 334

Delta R.T. 0.01 min

Lab File: VX018556.D

Acq: 23 Sep 2020 23:37

Instrument :

MSVOA_X

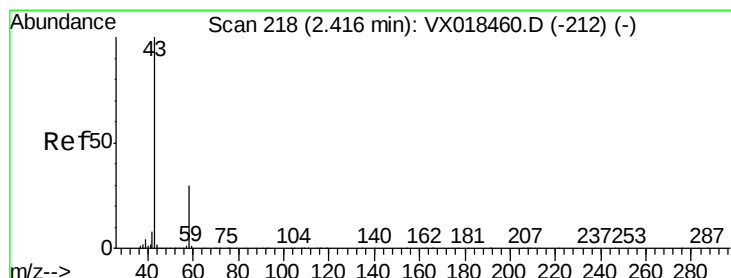
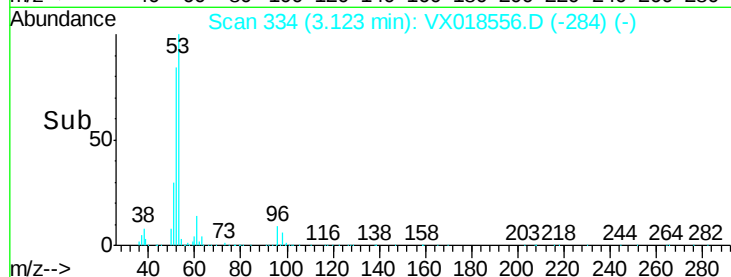
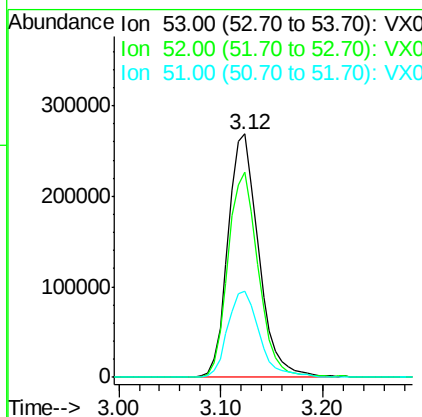
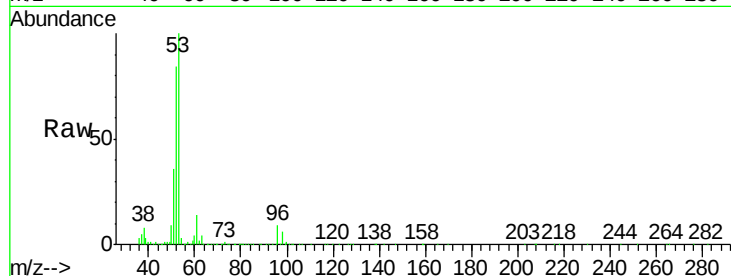
ClientSampleId :

RE109D3-20200917MSD

Tot Ion:	53	Resp:	555631
Ion Ratio	Lower	Upper	
53	100		
52	84.1	65.8	98.8
51	36.6	29.2	43.8

Manual Integrations
APPROVED

MMDadoda
9/24/2020 1:39:39 PM



#16

Acetone

Concen: 208.206 ug/l

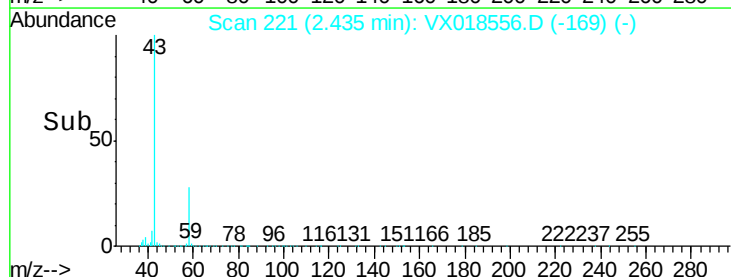
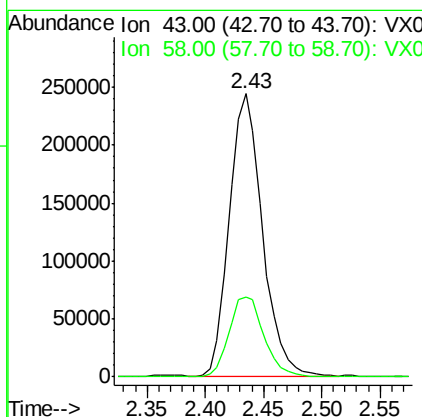
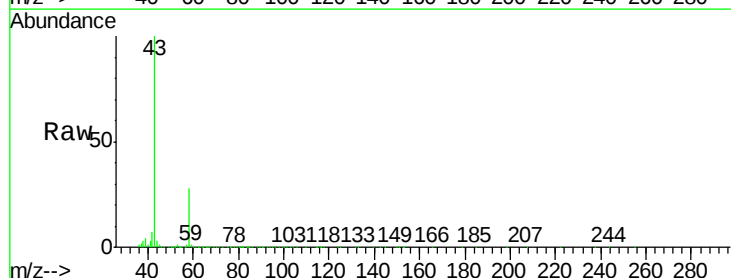
RT: 2.43 min Scan# 221

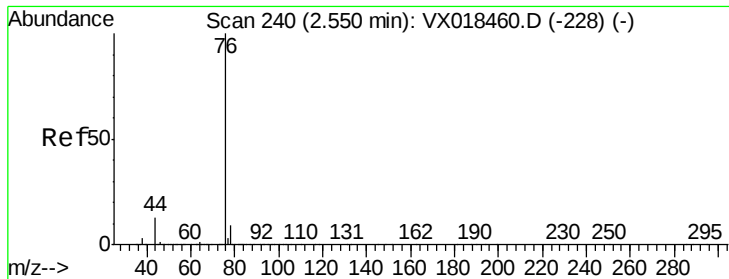
Delta R.T. 0.02 min

Lab File: VX018556.D

Acq: 23 Sep 2020 23:37

Tgt Ion:	43	Resp:	483222
Ion Ratio	Lower	Upper	
43	100		
58	28.3	24.0	36.0





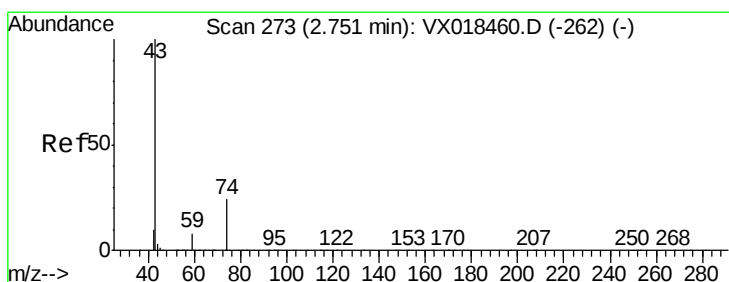
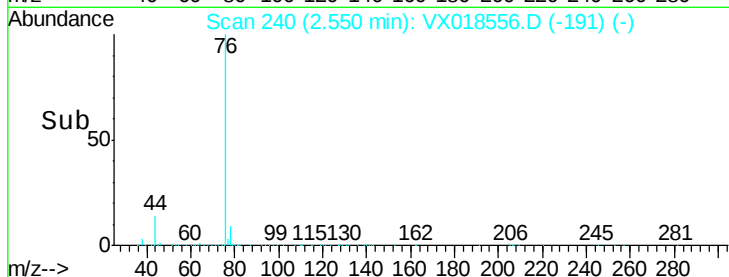
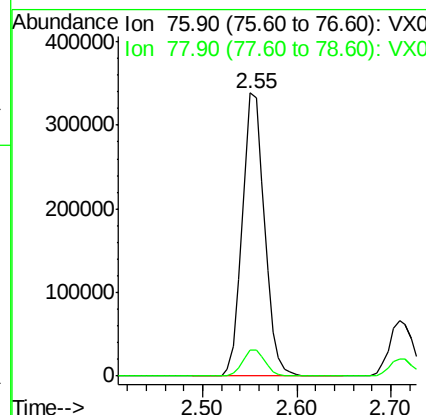
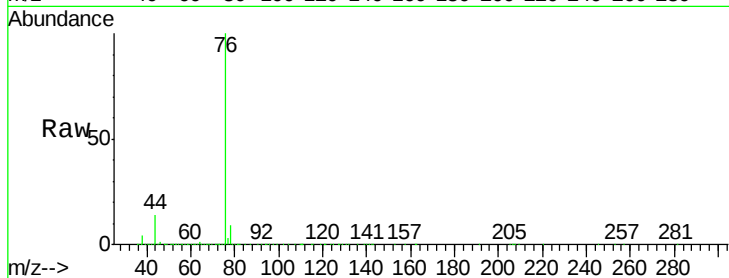
#17
Carbon Disulfide
Concen: 44.939 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VX018556.D
Acq: 23 Sep 2020 23:37

Instrument :
MSVOA_X
ClientSampleId :
RE109D3-20200917MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.0	10.4

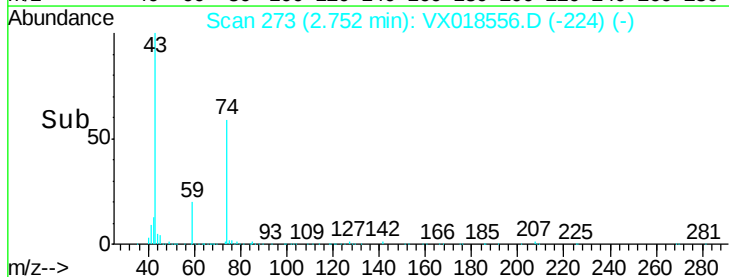
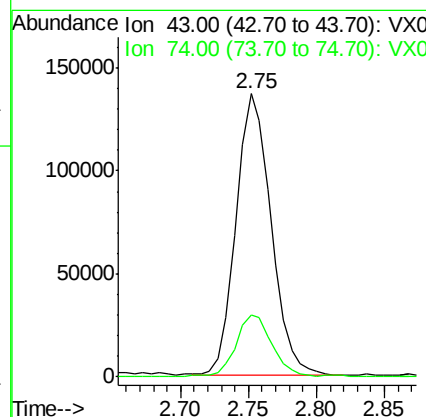
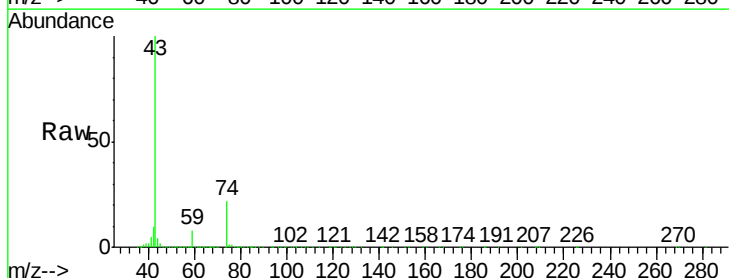
Manual Integrations
APPROVED

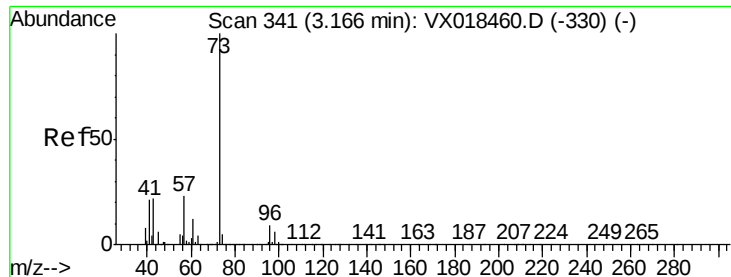
MMDadoda
9/24/2020 1:39:39 PM



#18
Methyl Acetate
Concen: 42.625 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.00 min
Lab File: VX018556.D
Acq: 23 Sep 2020 23:37

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.2	18.3	27.5





#19

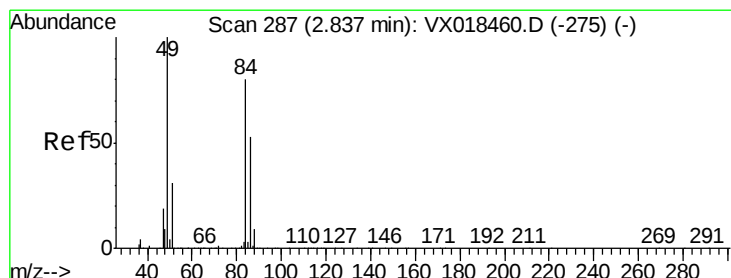
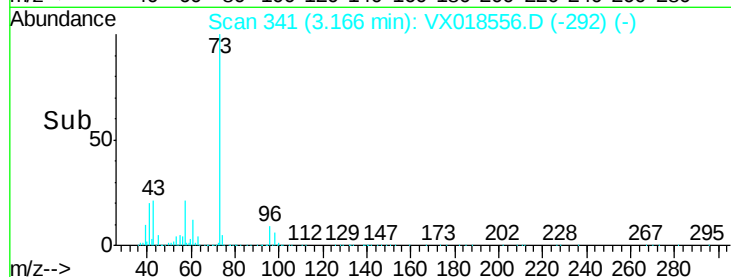
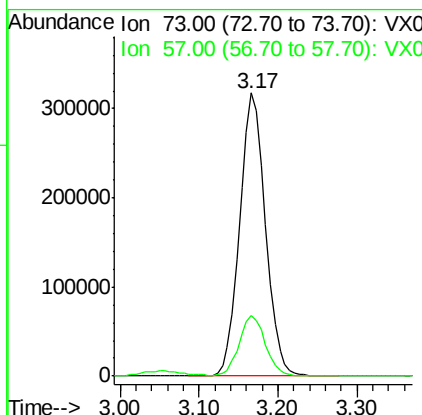
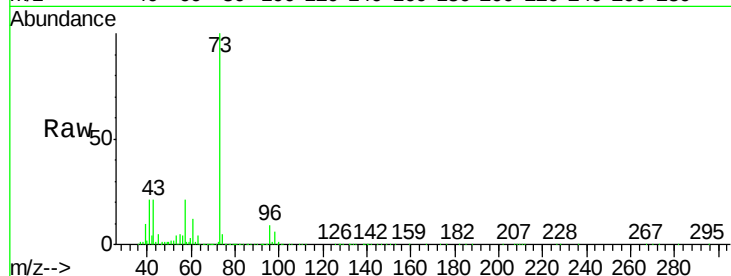
Methyl tert-butyl Ether
Concen: 49.410 ug/l
RT: 3.17 min Scan# 341
Delta R.T. 0.00 min
Lab File: VX018556.D
Acq: 23 Sep 2020 23:37

Instrument :
MSVOA_X
ClientSampleId :
RE109D3-20200917MSD

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.4	18.0	27.0

Manual Integrations
APPROVED

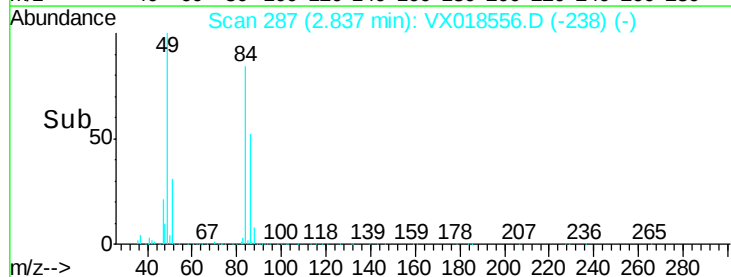
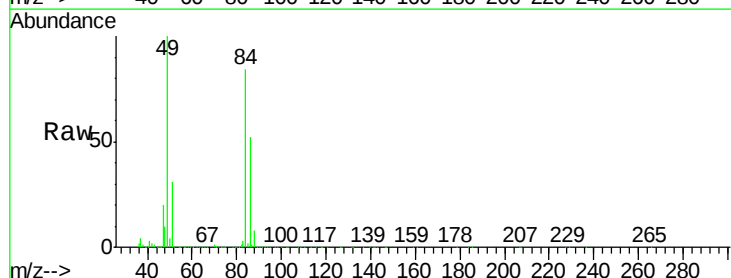
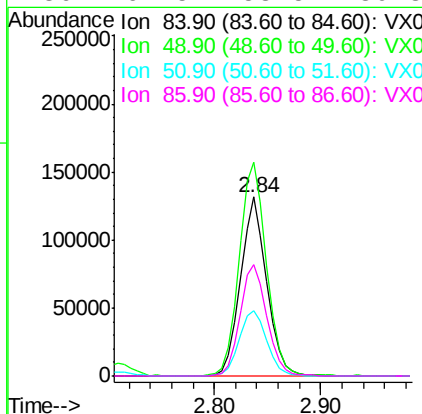
MMDadoda
9/24/2020 1:39:39 PM

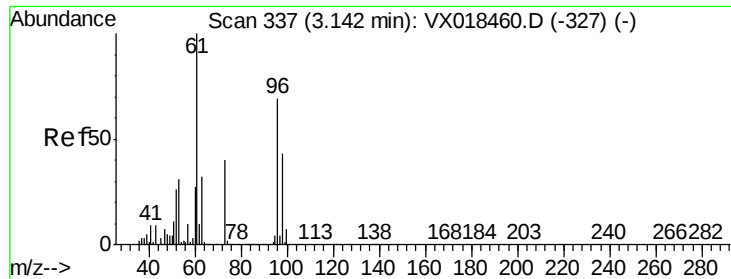


#20

Methylene Chloride
Concen: 44.356 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX018556.D
Acq: 23 Sep 2020 23:37

Tgt Ion	Ratio	Lower	Upper
84	100		
49	119.5	100.6	151.0
51	36.5	30.9	46.3
86	62.5	53.5	80.3





#21

trans-1,2-Dichloroethene

Concen: 44.589 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX018556.D

Acq: 23 Sep 2020 23:37

Instrument :

MSVOA_X

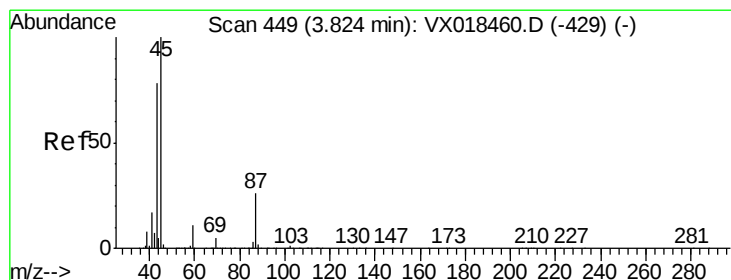
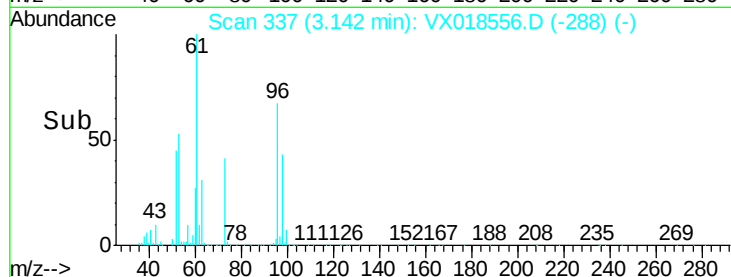
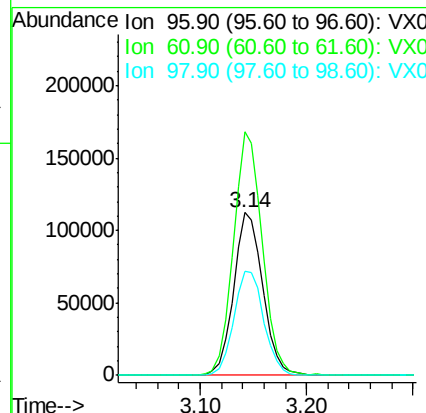
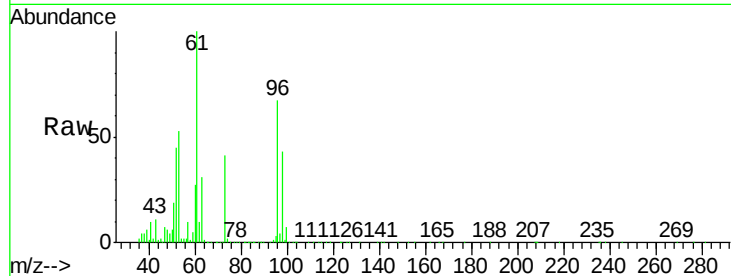
ClientSampleId :

RE109D3-20200917MSD

Tot Ion:	96	Resp:	215285
Ion Ratio	Lower	Upper	
96	100		
61	149.6	115.6	173.4
98	64.2	50.2	75.4

Manual Integrations
APPROVED

MMDadoda
9/24/2020 1:39:39 PM



#22

Diisopropyl ether

Concen: 46.994 ug/l

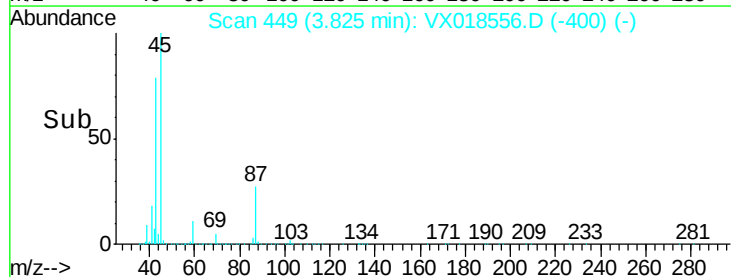
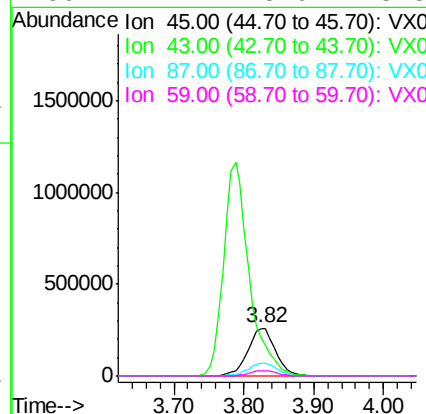
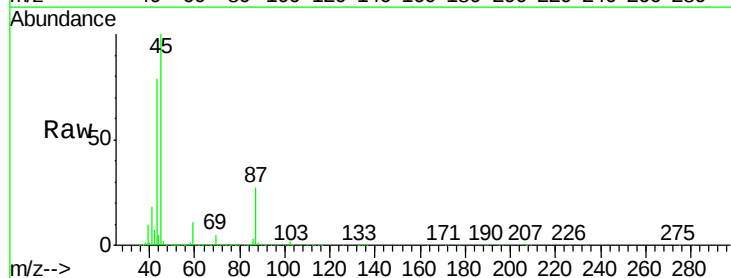
RT: 3.82 min Scan# 449

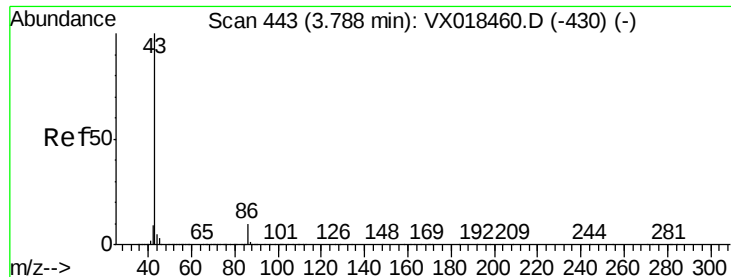
Delta R.T. 0.00 min

Lab File: VX018556.D

Acq: 23 Sep 2020 23:37

Tgt Ion:	45	Resp:	711149
Ion Ratio	Lower	Upper	
45	100		
43	78.5	62.4	93.6
87	26.7	21.2	31.8
59	11.1	8.9	13.3





#23

Vinyl Acetate

Concen: 221.384 ug/l

RT: 3.79 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX018556.D

Acq: 23 Sep 2020 23:37

Instrument :

MSVOA_X

ClientSampleId :

RE109D3-20200917MSD

Tot Ion: 43 Resp: 2968605

Ion Ratio Lower Upper

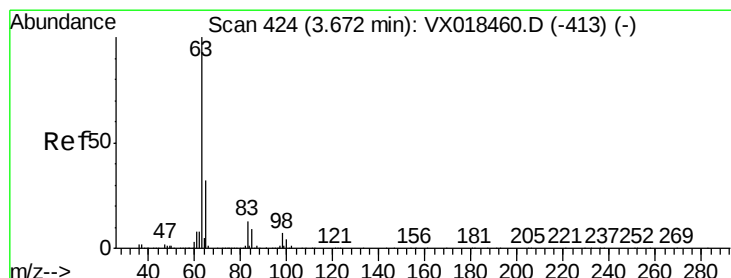
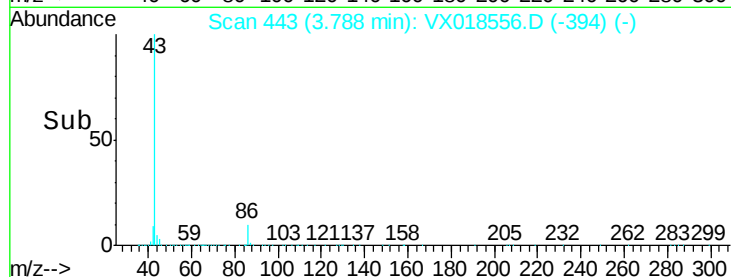
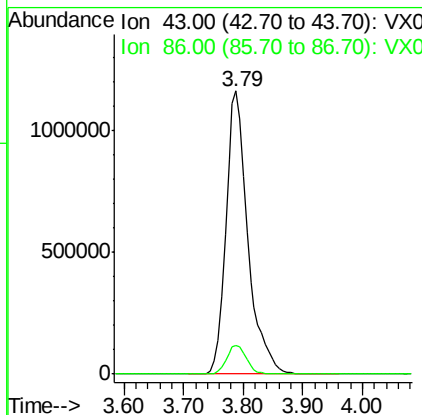
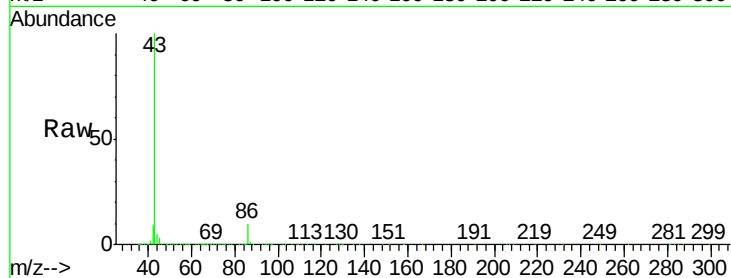
43 100

86 10.2 8.1 12.1

Manual Integrations
APPROVED

MMDadoda

9/24/2020 1:39:39 PM



#24

1,1-Dichloroethane

Concen: 46.417 ug/l

RT: 3.67 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX018556.D

Acq: 23 Sep 2020 23:37

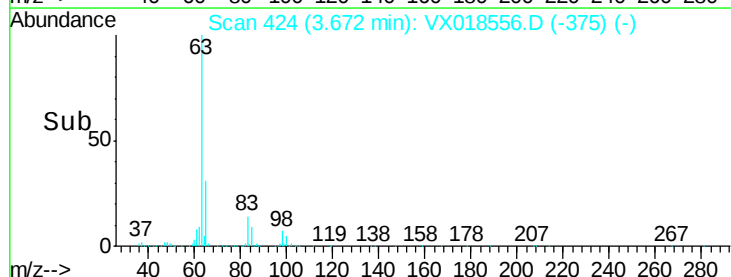
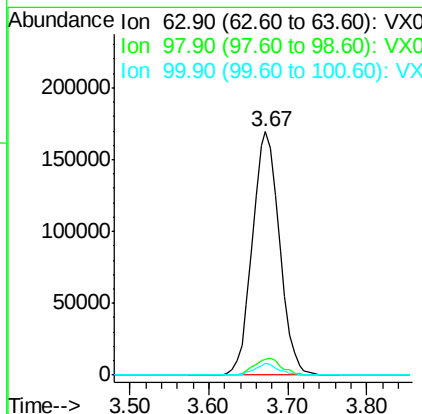
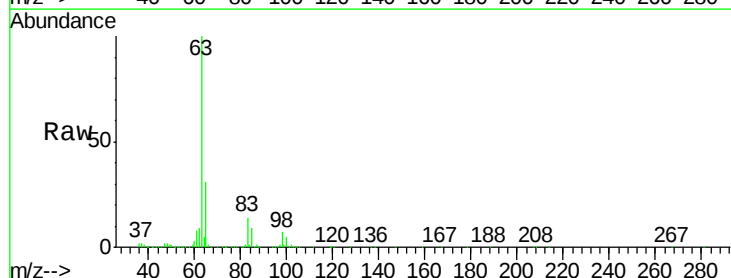
Tgt Ion: 63 Resp: 405089

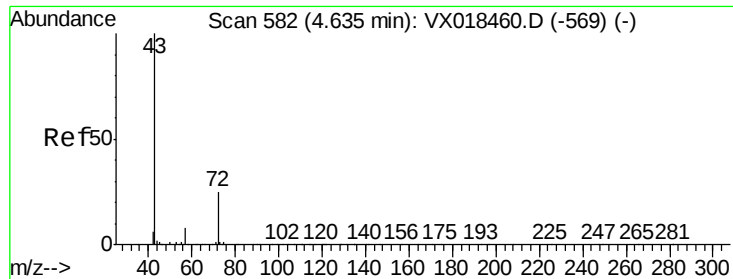
Ion Ratio Lower Upper

63 100

98 6.5 3.5 10.6

100 4.7 1.9 5.7





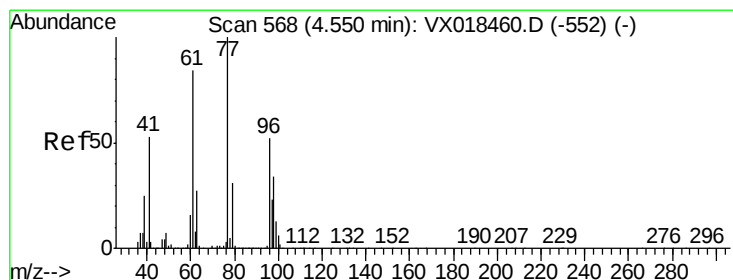
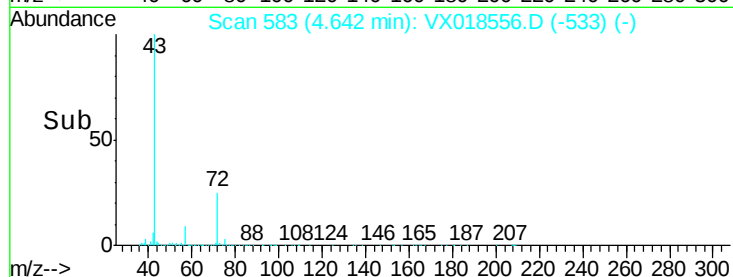
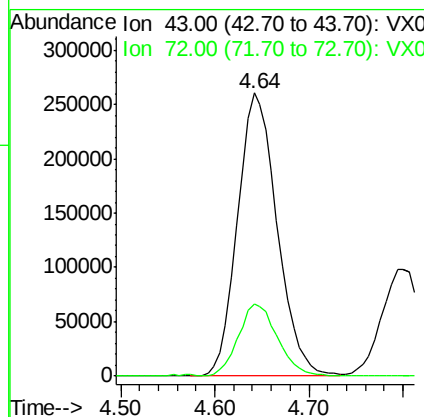
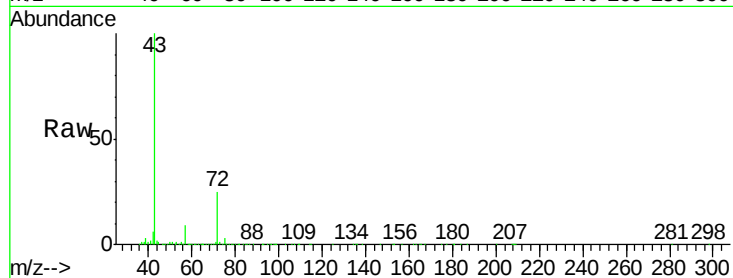
#25
2-Butanone
Concen: 210.590 ug/l
RT: 4.64 min Scan# 583
Delta R.T. 0.01 min
Lab File: VX018556.D
Acq: 23 Sep 2020 23:37

Instrument :
MSVOA_X
ClientSampleId :
RE109D3-20200917MSD

Tot Ion	Ratio	Lower	Upper
43	100		
72	25.1	20.2	30.4

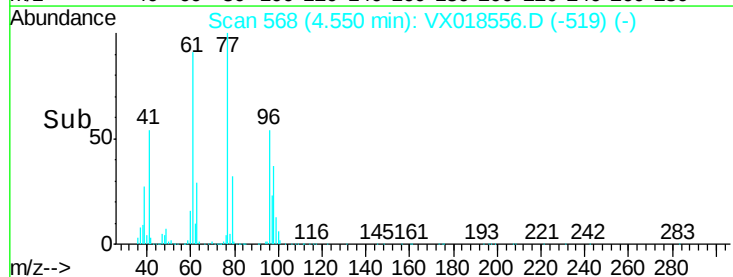
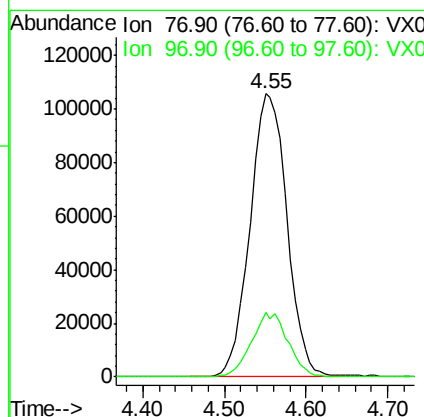
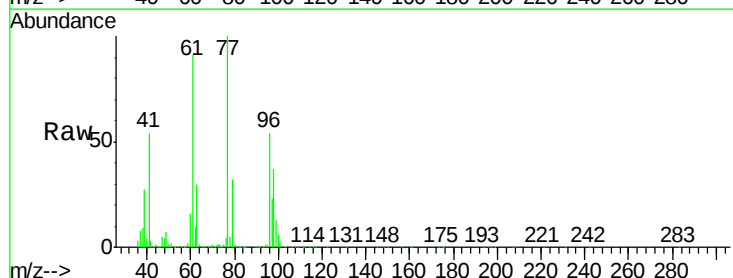
Manual Integrations
APPROVED

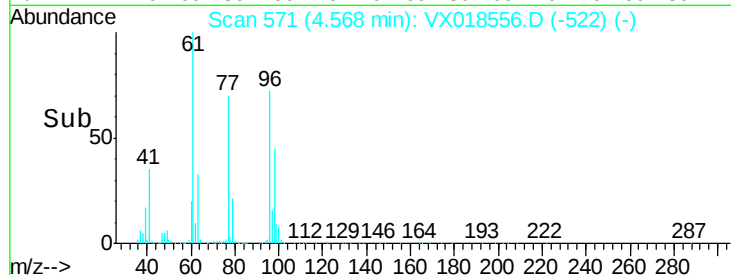
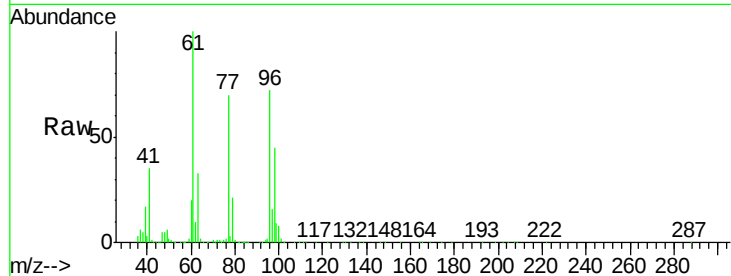
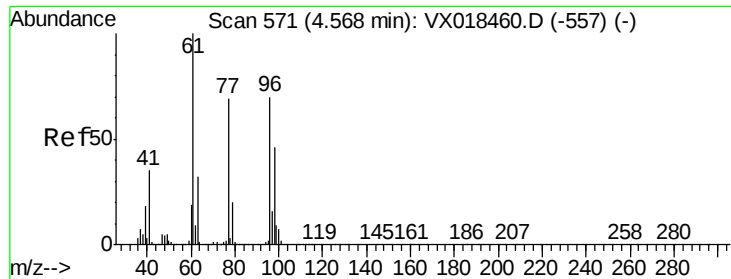
MMDadoda
9/24/2020 1:39:39 PM



#26
2,2-Dichloropropane
Concen: 41.387 ug/l
RT: 4.55 min Scan# 568
Delta R.T. 0.00 min
Lab File: VX018556.D
Acq: 23 Sep 2020 23:37

Tgt Ion	Ratio	Lower	Upper
77	100		
97	22.5	11.2	33.5





#27

cis-1,2-Dichloroethene

Concen: 45.807 ug/l

RT: 4.57 min Scan# 571

Delta R.T. 0.00 min

Lab File: VX018556.D

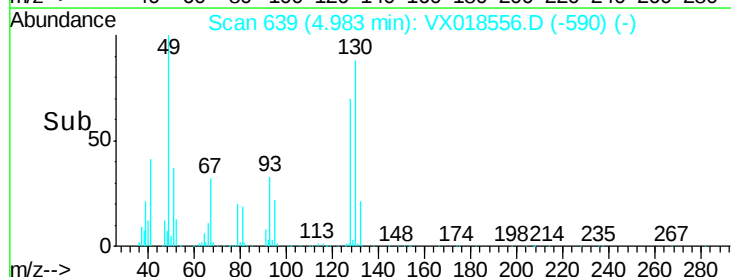
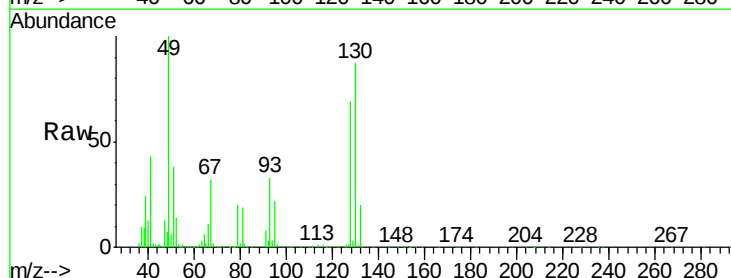
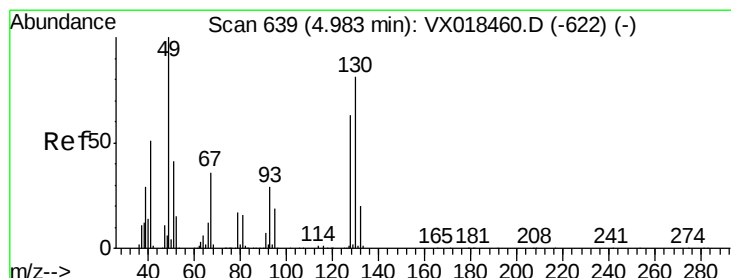
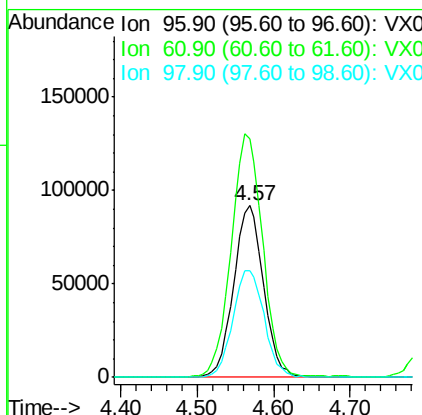
Acq: 23 Sep 2020 23:37

Tot Ion	Ratio	Resp	Lower	Upper
96	100	247895		
61	149.5	0.0	300.0	
98	65.2	0.0	130.4	

Instrument :
MSVOA_X
ClientSampleId :
RE109D3-20200917MSD

Manual Integrations
APPROVED

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#28

Bromochloromethane

Concen: 45.158 ug/l

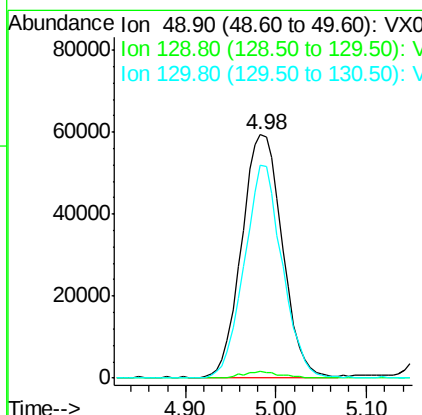
RT: 4.98 min Scan# 639

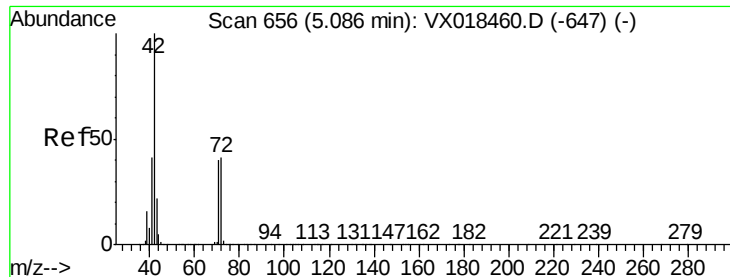
Delta R.T. 0.00 min

Lab File: VX018556.D

Acq: 23 Sep 2020 23:37

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	184419		
129	2.4	0.0	4.6	
130	81.8	65.0	97.4	





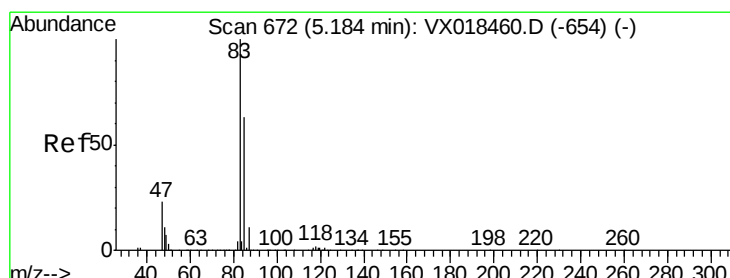
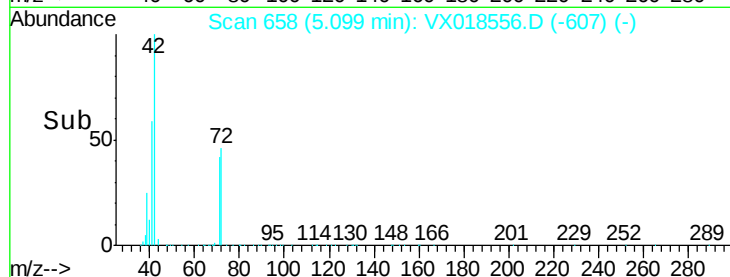
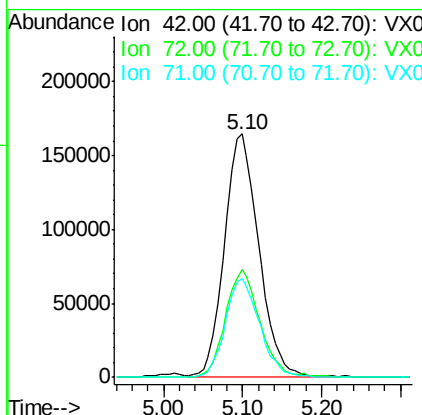
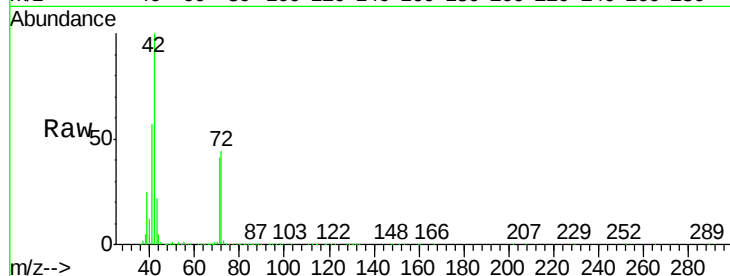
#29
Tetrahydrofuran
Concen: 218.035 ug/l
RT: 5.10 min Scan# 658
Delta R.T. 0.01 min
Lab File: VX018556.D
Acq: 23 Sep 2020 23:37

Instrument :
MSVOA_X
ClientSampleId :
RE109D3-20200917MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.0	34.3	51.5
71	40.5	32.1	48.1

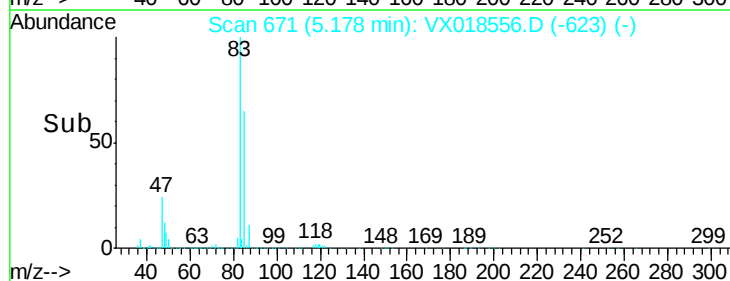
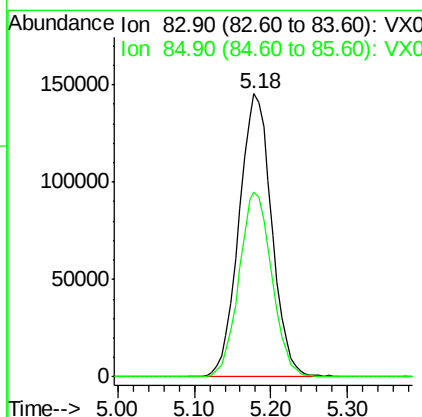
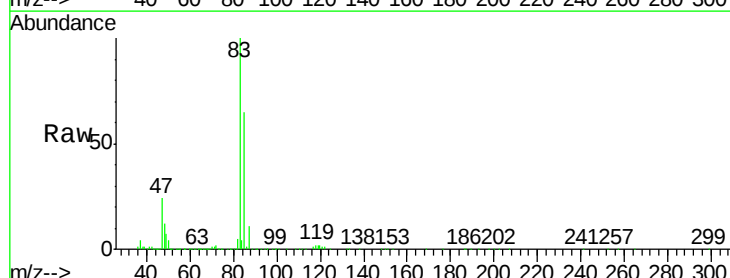
Manual Integrations
APPROVED

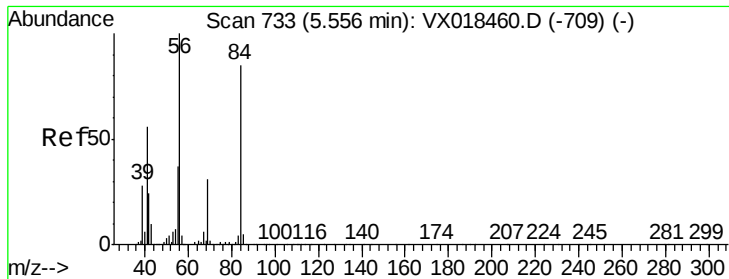
MMDadoda
9/24/2020 1:39:39 PM



#30
Chloroform
Concen: 48.825 ug/l
RT: 5.18 min Scan# 671
Delta R.T. -0.01 min
Lab File: VX018556.D
Acq: 23 Sep 2020 23:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	50.6	76.0





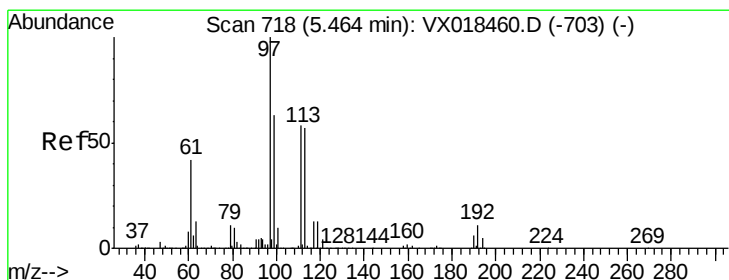
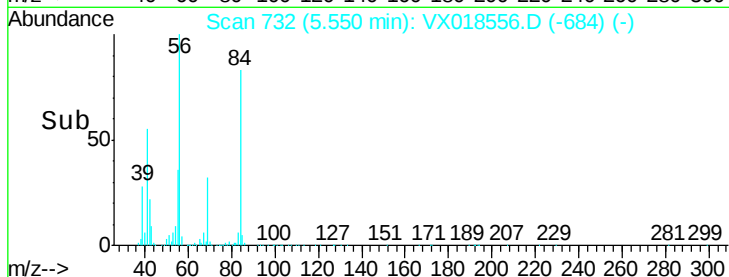
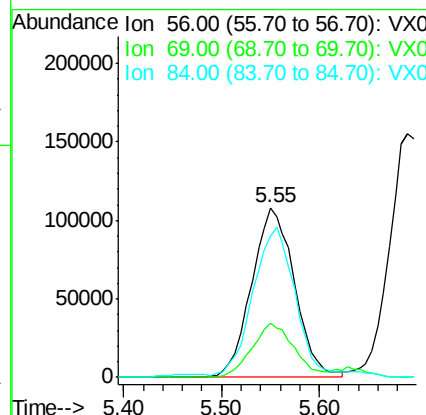
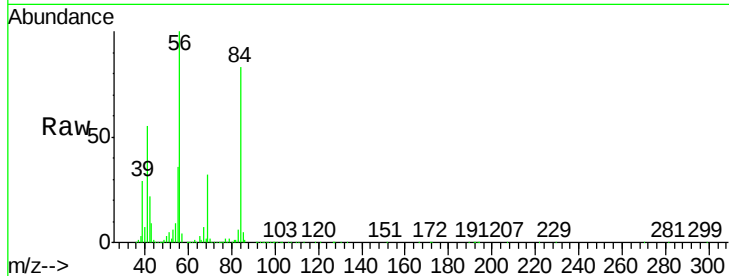
#31
Cvclohexane
Concen: 44.650 ug/l
RT: 5.55 min Scan# 732
Delta R.T. -0.01 min
Lab File: VX018556.D
Acq: 23 Sep 2020 23:37

Instrument :
MSVOA_X
ClientSampleId :
RE109D3-20200917MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.1	24.8	37.2
84	81.9	67.6	101.4

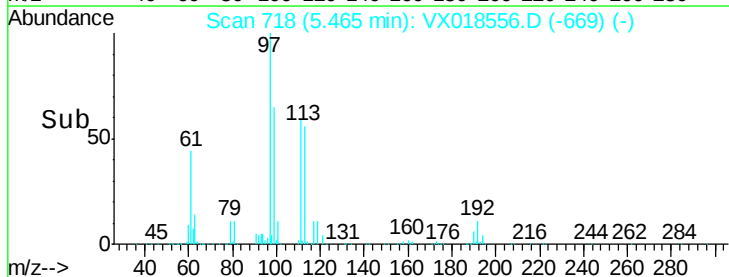
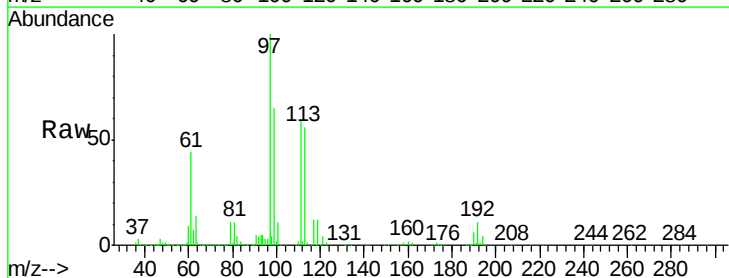
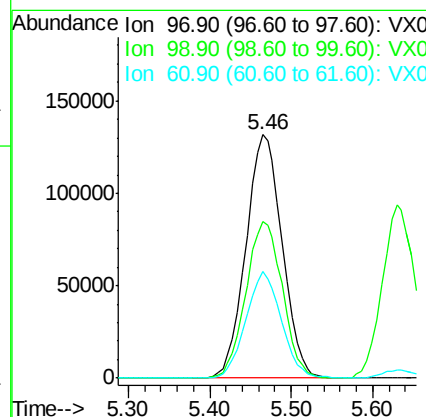
Manual Integrations
APPROVED

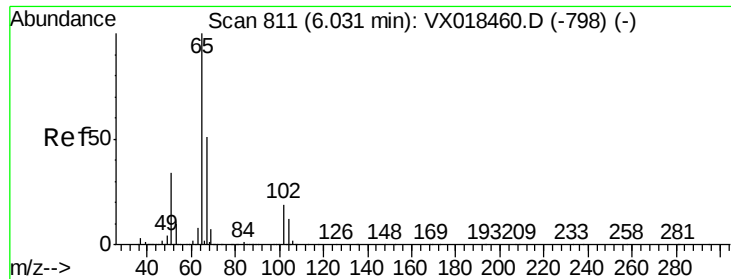
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#32
1,1,1-Trichloroethane
Concen: 48.981 ug/l
RT: 5.46 min Scan# 718
Delta R.T. 0.00 min
Lab File: VX018556.D
Acq: 23 Sep 2020 23:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	50.5	75.7
61	42.7	33.4	50.2





#33

1,2-Dichloroethane-d4

Concen: 46.024 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX018556.D

Acq: 23 Sep 2020 23:37

Instrument :

MSVOA_X

ClientSampleId :

RE109D3-20200917MSD

Tot Ion: 65 Resp: 279302

Ion Ratio Lower Upper

65 100

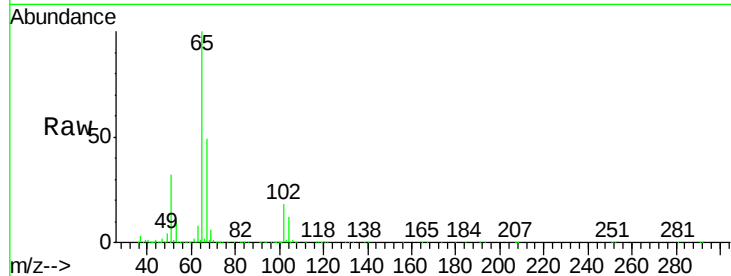
67 50.4 0.0 105.6

Manual Integrations

APPROVED

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.03

120000

100000

80000

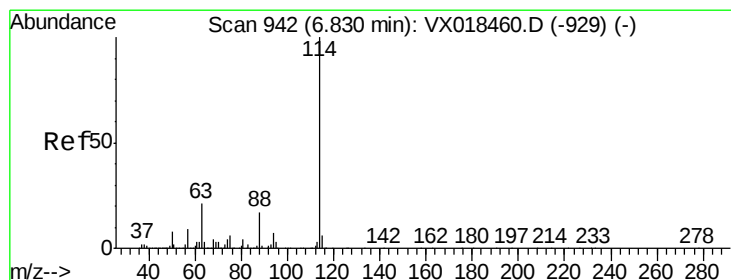
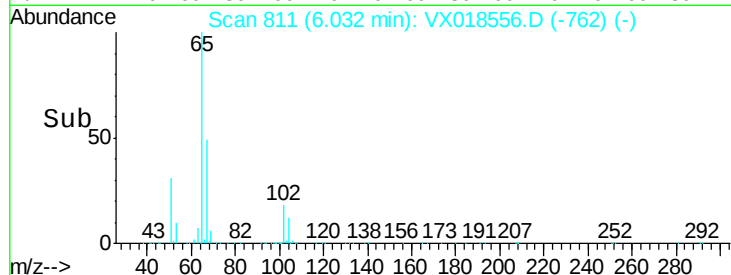
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX018556.D

Acq: 23 Sep 2020 23:37

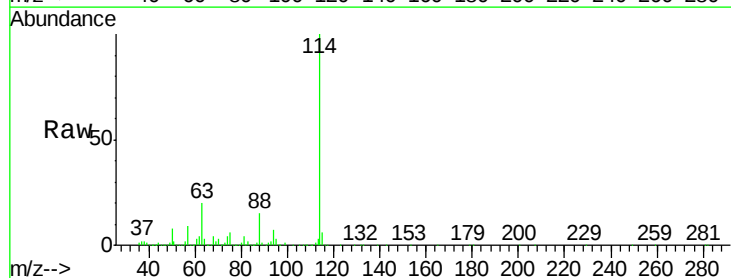
Tgt Ion: 114 Resp: 678648

Ion Ratio Lower Upper

114 100

63 20.2 0.0 42.8

88 15.3 0.0 33.6



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

400000

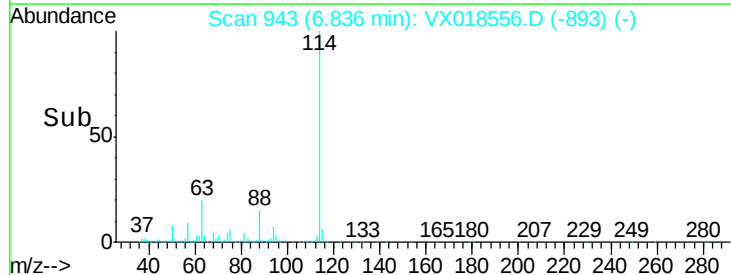
300000

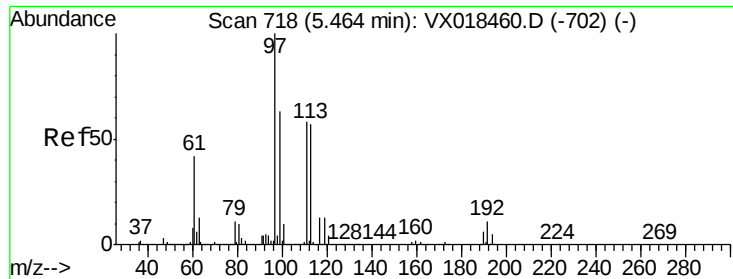
200000

100000

0

Time-->





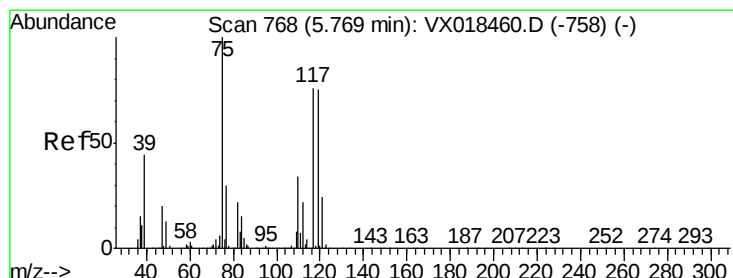
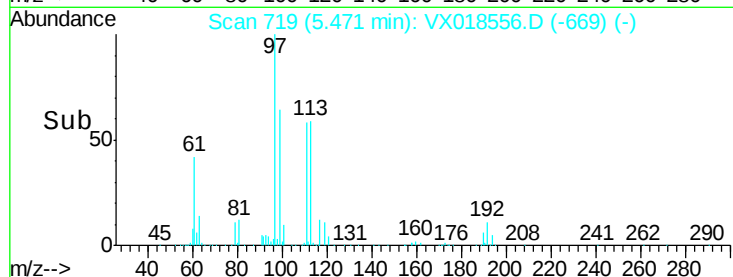
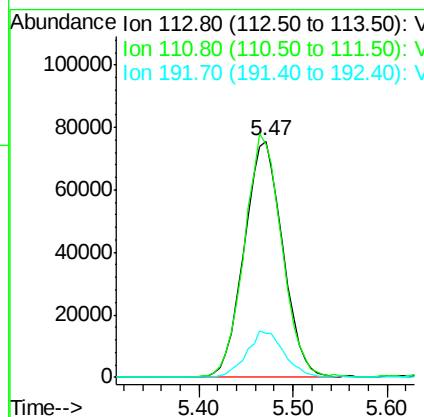
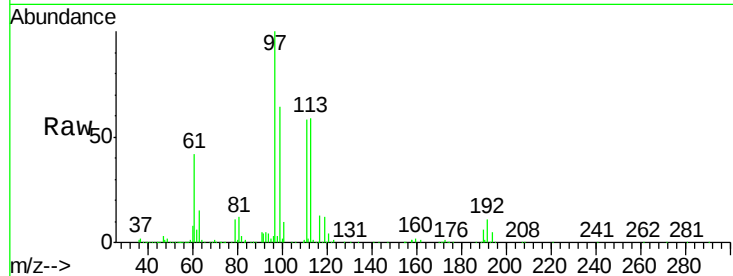
#35
 Dibromofluoromethane
 Concen: 46.261 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. 0.01 min
 Lab File: VX018556.D
 Acq: 23 Sep 2020 23:37

Instrument :
 MSVOA_X
 ClientSampleId :
 RE109D3-20200917MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100	217038		
111	100.6	81.4	122.2	
192	19.2	16.6	24.8	

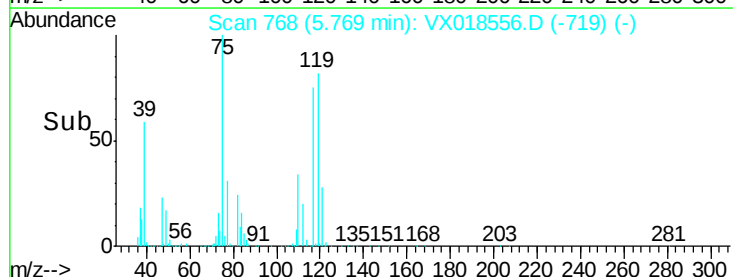
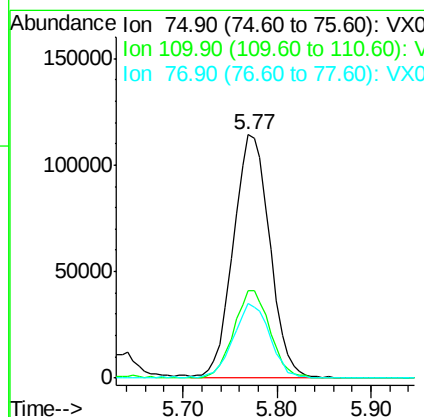
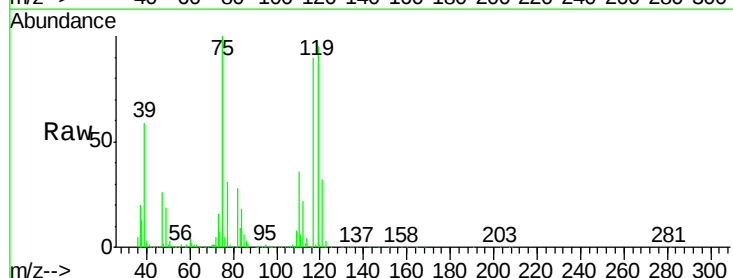
Manual Integrations
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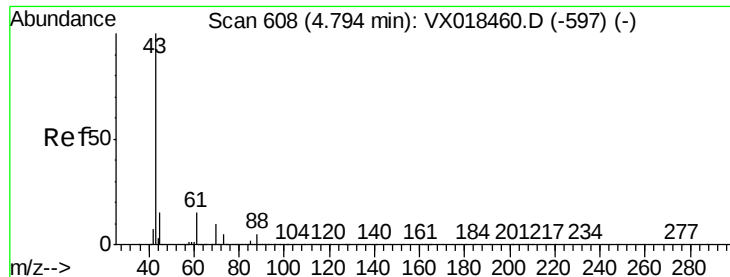
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 46.879 ug/l
 RT: 5.77 min Scan# 768
 Delta R.T. 0.00 min
 Lab File: VX018556.D
 Acq: 23 Sep 2020 23:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	308790		
110	35.9	17.6	52.8	
77	31.0	25.0	37.6	





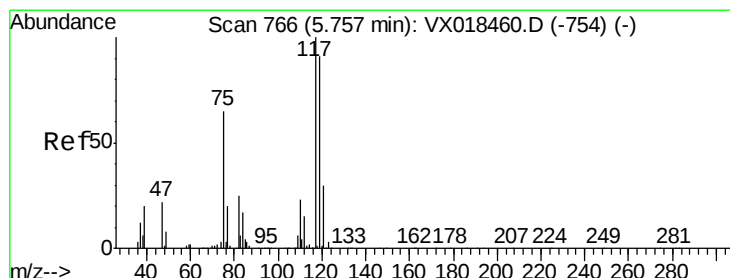
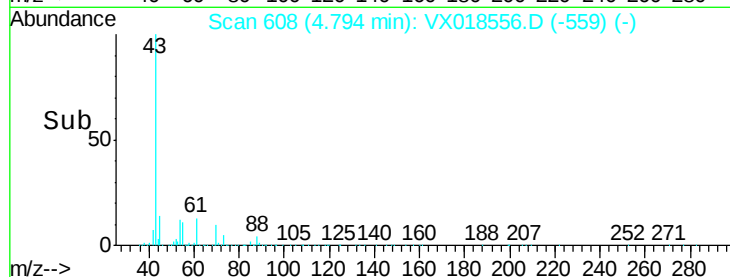
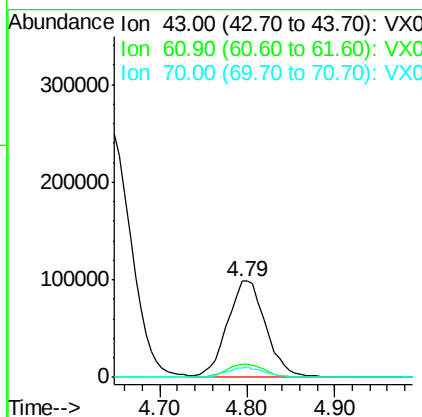
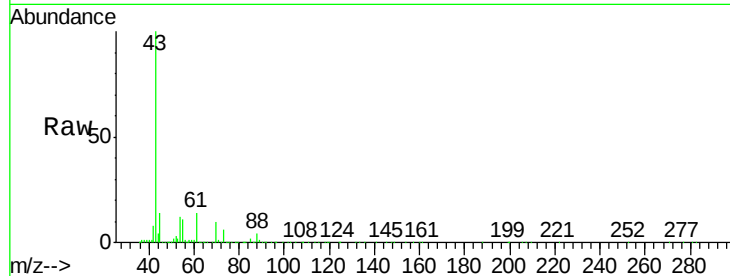
#37
Ethyl Acetate
Concen: 42.473 ug/l
RT: 4.79 min Scan# 608
Delta R.T. 0.00 min
Lab File: VX018556.D
Acq: 23 Sep 2020 23:37

Instrument :
MSVOA_X
ClientSampleId :
RE109D3-20200917MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.9	16.3
70	10.8	8.3	12.5

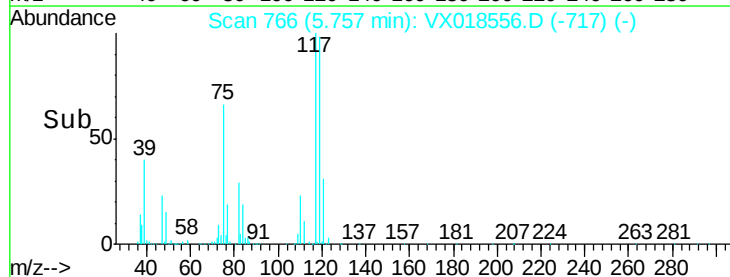
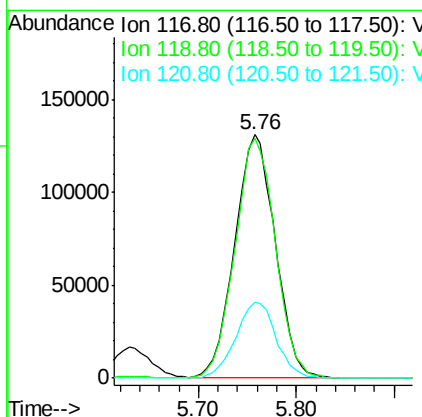
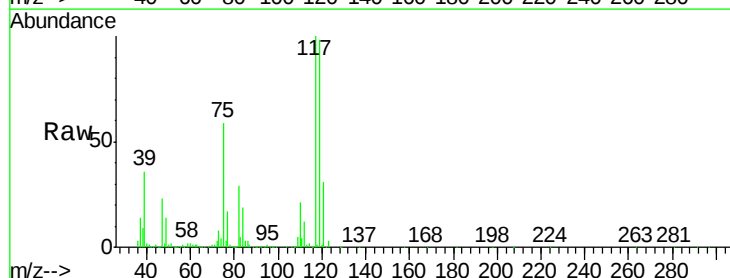
Manual Integrations
APPROVED

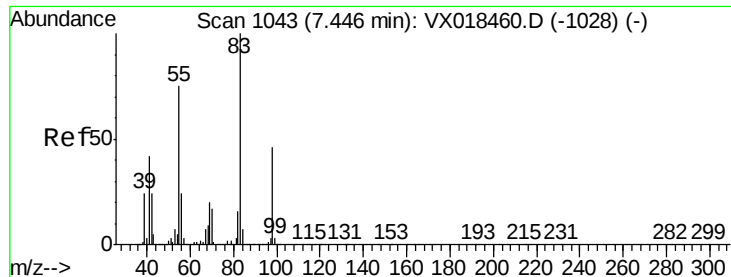
MMDadoda
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#38
Carbon Tetrachloride
Concen: 51.680 ug/l
RT: 5.76 min Scan# 766
Delta R.T. 0.00 min
Lab File: VX018556.D
Acq: 23 Sep 2020 23:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.2	72.3	108.5
121	31.2	23.8	35.8





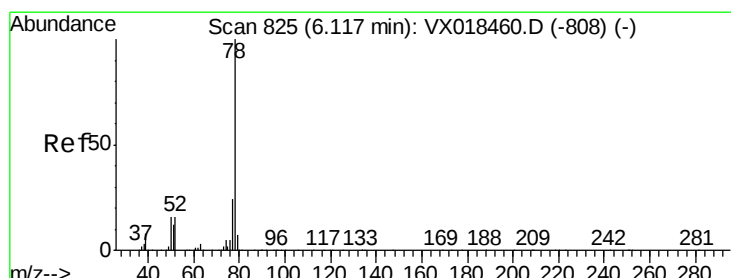
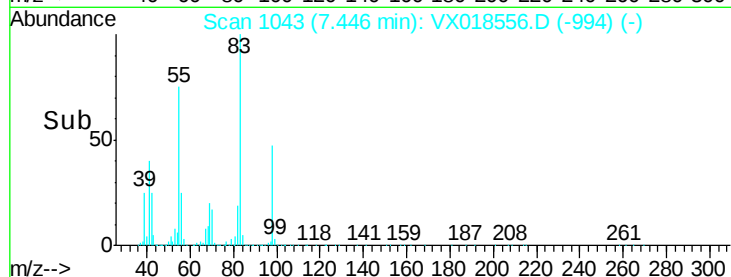
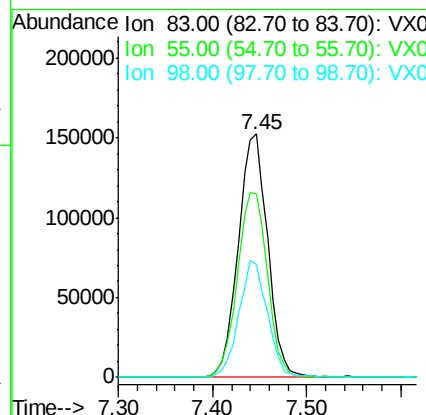
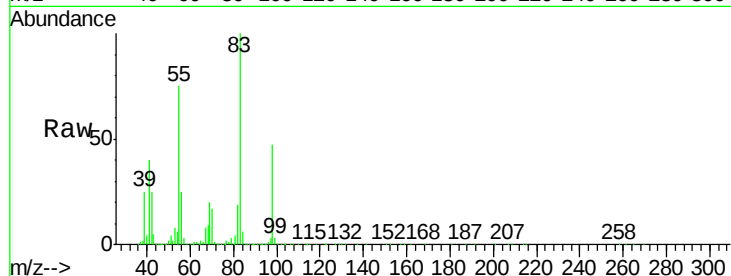
#39
Methvlcvclohexane
Concen: 44.802 ug/l
RT: 7.45 min Scan# 1043
Delta R.T. 0.00 min
Lab File: VX018556.D
Acq: 23 Sep 2020 23:37

Instrument :
MSVOA_X
ClientSampleId :
RE109D3-20200917MSD

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	75.3	60.2	90.4	
98	46.6	36.4	54.6	

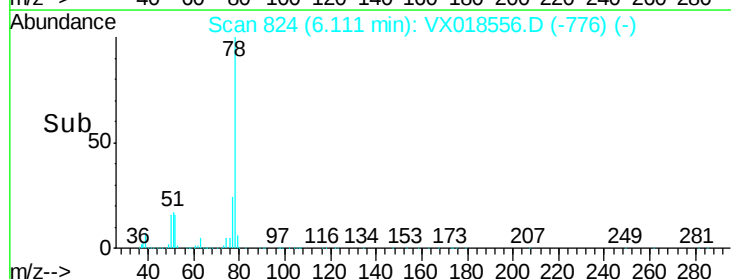
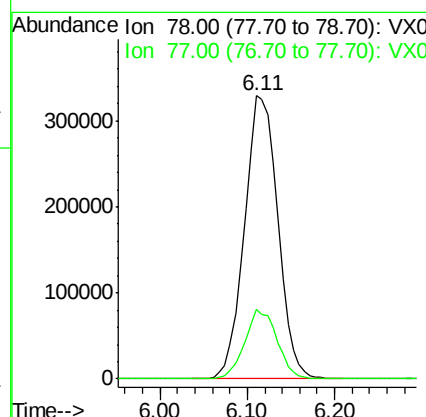
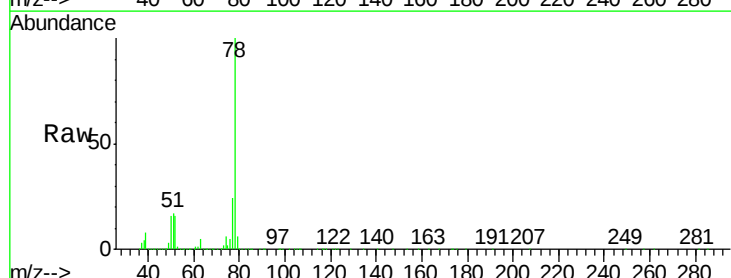
Manual Integrations
APPROVED

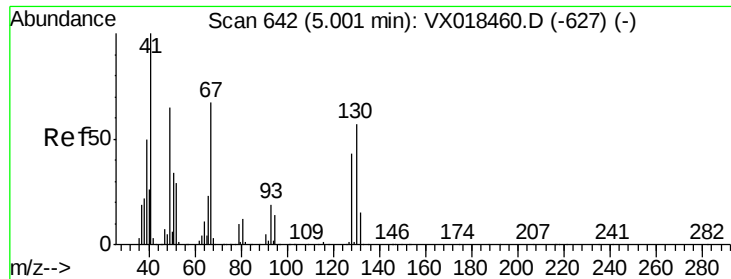
MMDadoda
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#40
Benzene
Concen: 46.320 ug/l
RT: 6.11 min Scan# 824
Delta R.T. -0.01 min
Lab File: VX018556.D
Acq: 23 Sep 2020 23:37

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.4	19.0	28.4	





#41

Methacrylonitrile

Concen: 44.197 ug/l

RT: 5.01 min Scan# 643

Delta R.T. 0.01 min

Lab File: VX018556.D

Acq: 23 Sep 2020 23:37

Instrument :

MSVOA_X

ClientSampleId :

RE109D3-20200917MSD

Tot Ion: 41 Resp: 172743

Ion Ratio Lower Upper

41 100

39 55.7 45.3 67.9

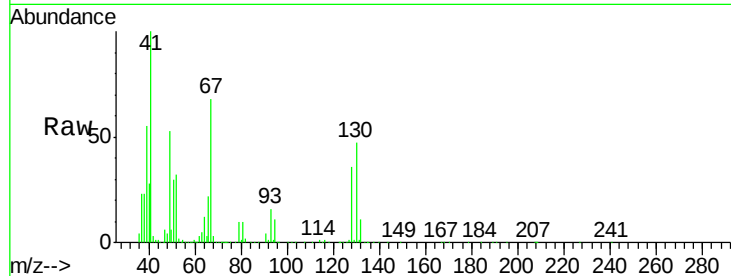
67 71.7 56.7 85.1

52 32.0 23.4 35.0

Manual Integrations
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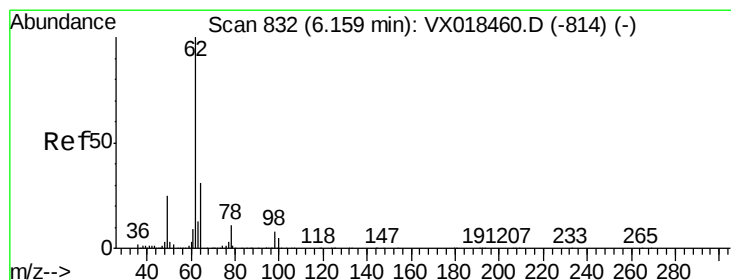
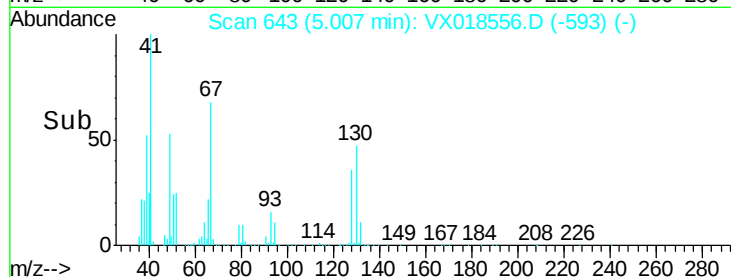
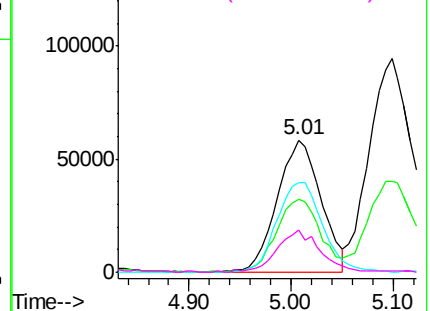


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 49.846 ug/l

RT: 6.17 min Scan# 833

Delta R.T. 0.01 min

Lab File: VX018556.D

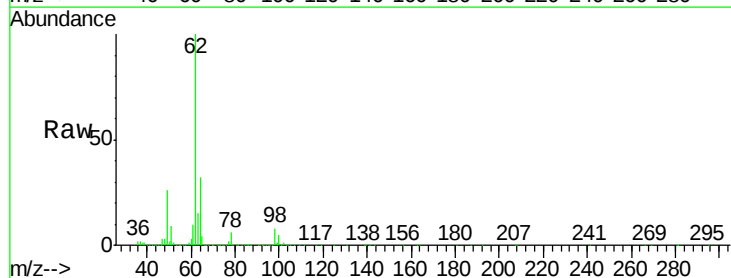
Acq: 23 Sep 2020 23:37

Tgt Ion: 62 Resp: 366070

Ion Ratio Lower Upper

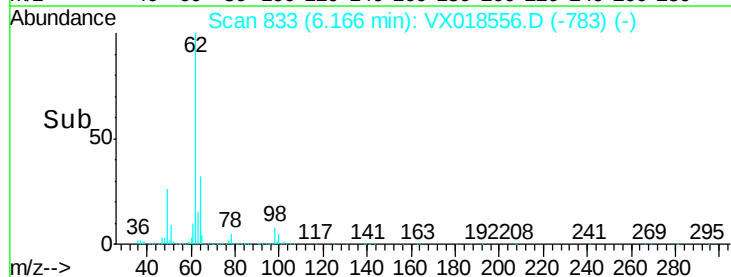
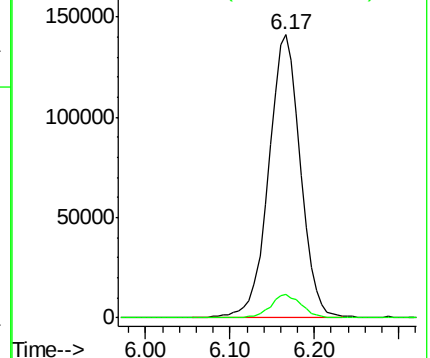
62 100

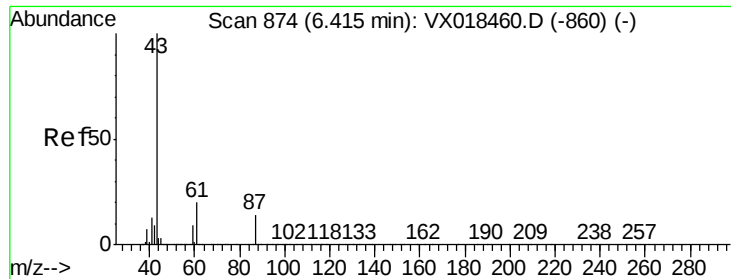
98 8.1 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

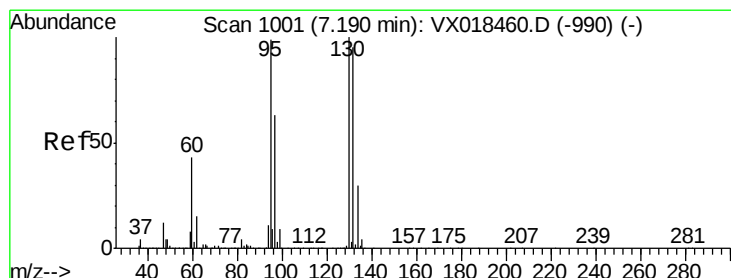
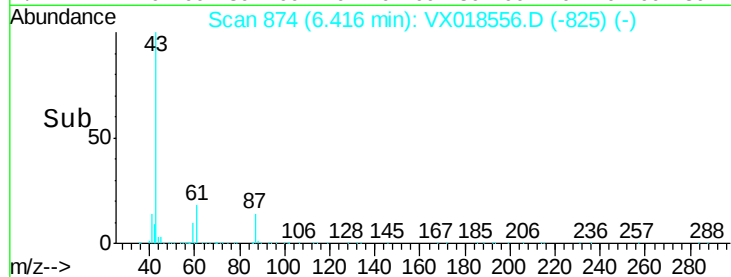
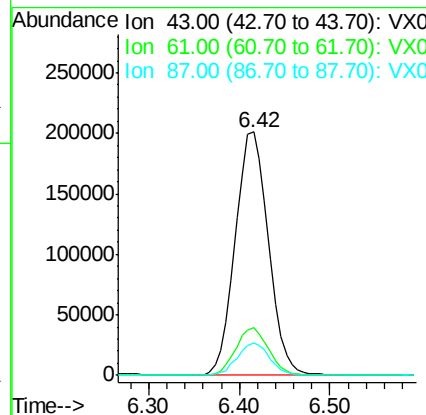
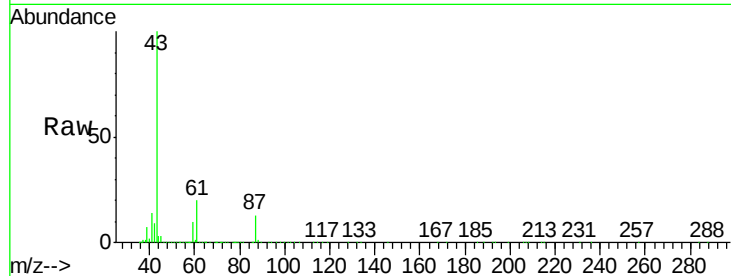
Isopropyl Acetate
 Concen: 43.658 ug/l
 RT: 6.42 min Scan# 874
 Delta R.T. 0.00 min
 Lab File: VX018556.D
 Acq: 23 Sep 2020 23:37

Instrument :
 MSVOA_X
 ClientSampleId :
 RE109D3-20200917MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.6	15.7	23.5
87	13.2	10.4	15.6

Manual Integrations
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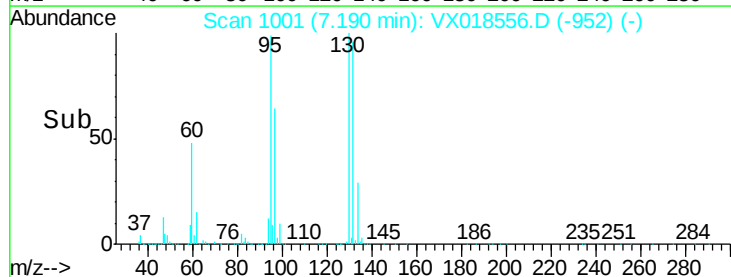
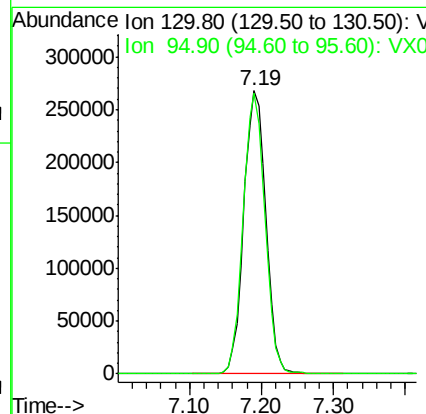
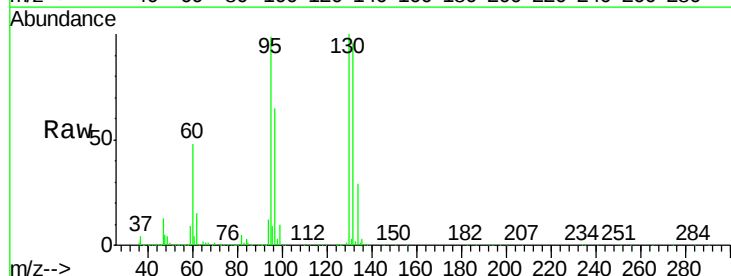
MMDadoda
 9/24/2020 1:39:39 PM

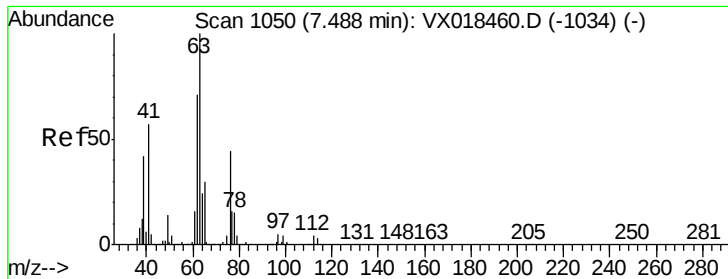


#44

Trichloroethene
 Concen: 104.199 ug/l
 RT: 7.19 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VX018556.D
 Acq: 23 Sep 2020 23:37

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.1	0.0	197.4





#45

1,2-Dichloropropane

Concen: 45.566 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VX018556.D

Acq: 23 Sep 2020 23:37

Instrument :

MSVOA_X

ClientSampleId :

RE109D3-20200917MSD

Tot Ion: 63 Resp: 236093

Ion Ratio Lower Upper

63 100

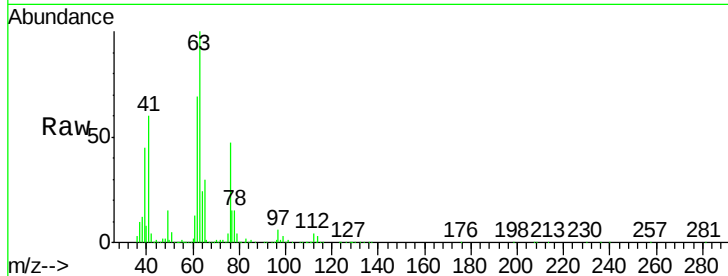
65 30.1 24.1 36.1

Manual Integrations

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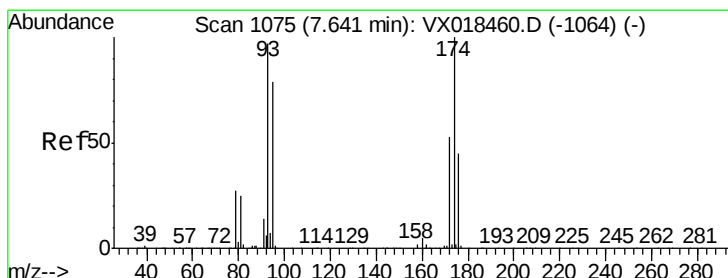
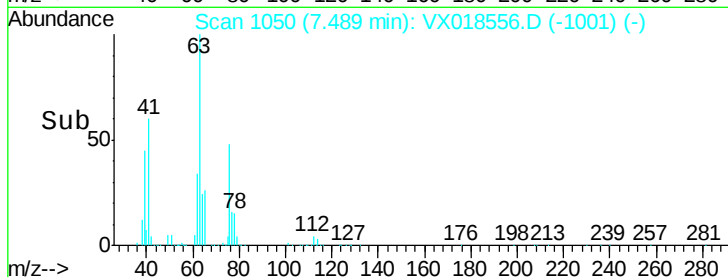
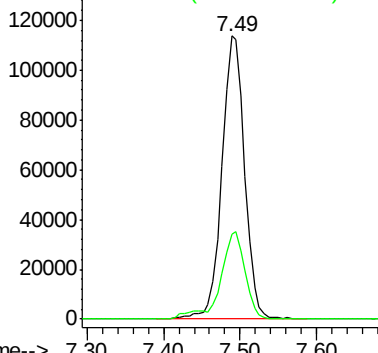
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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 46.970 ug/l

RT: 7.64 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VX018556.D

Acq: 23 Sep 2020 23:37

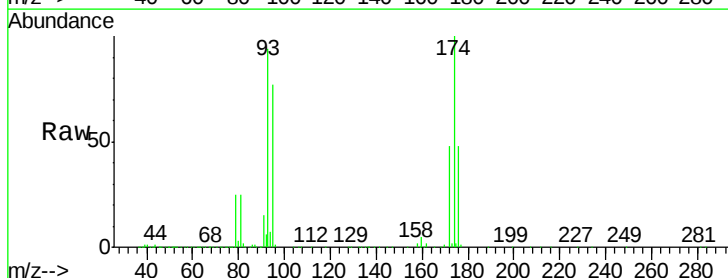
Tgt Ion: 93 Resp: 167200

Ion Ratio Lower Upper

93 100

95 83.3 65.0 97.4

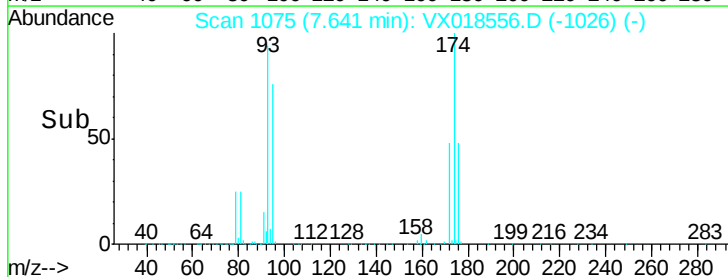
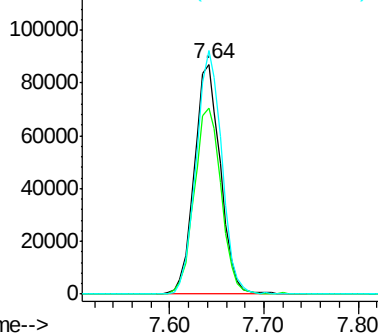
174 104.4 82.0 123.0

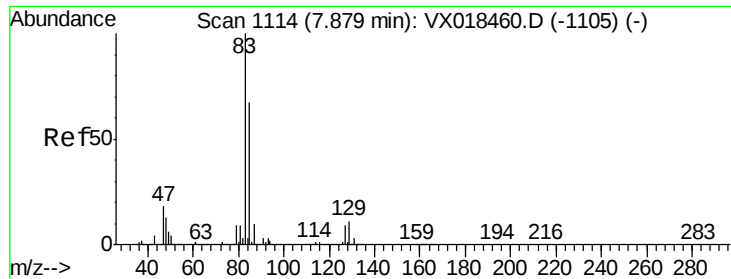


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 49.690 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VX018556.D

Acq: 23 Sep 2020 23:37

Instrument :

MSVOA_X

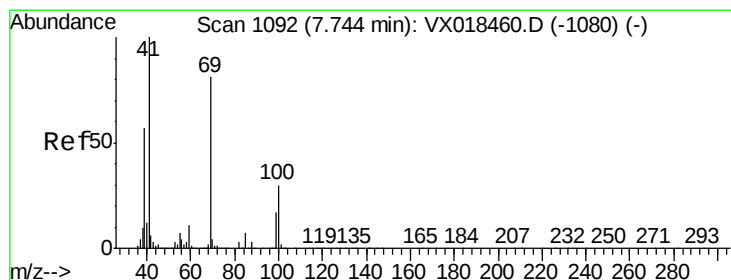
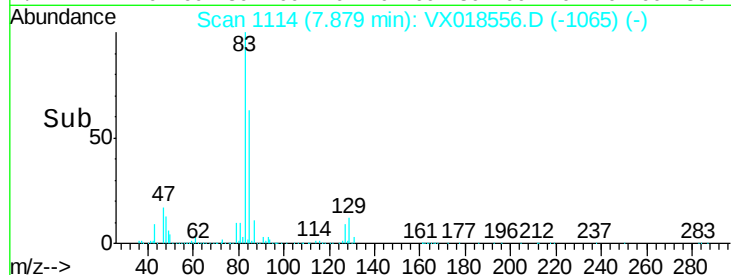
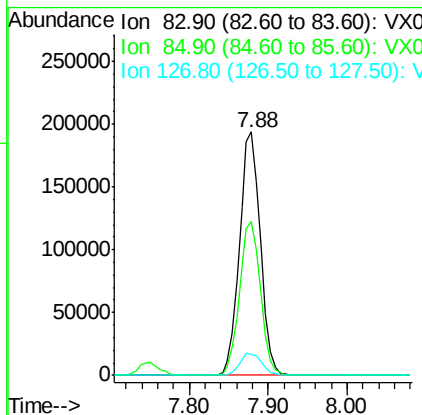
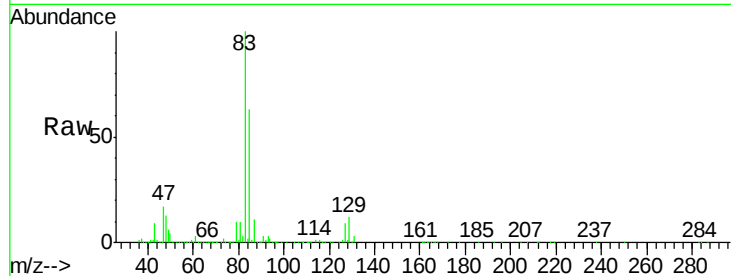
ClientSampleId :

RE109D3-20200917MSD

Tot Ion:	83	Resp:	356481
Ion Ratio	Lower	Upper	
83	100		
85	63.0	53.3	79.9
127	8.7	7.4	11.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 45.354 ug/l

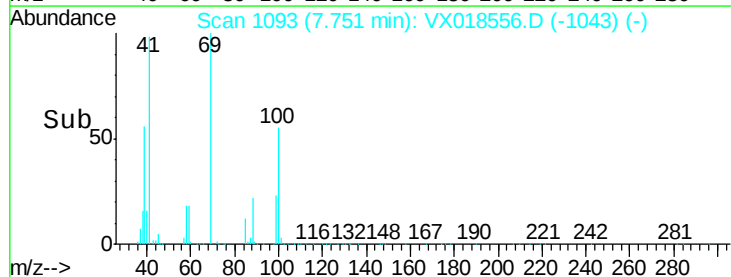
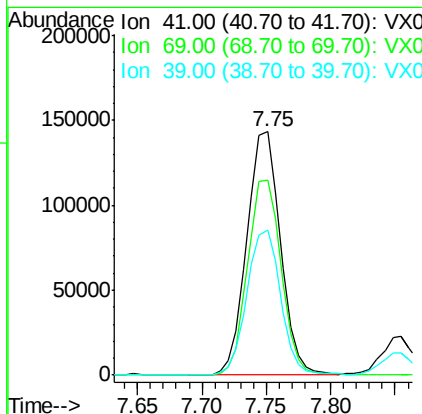
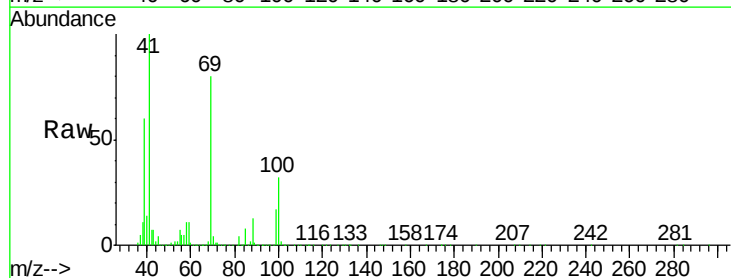
RT: 7.75 min Scan# 1093

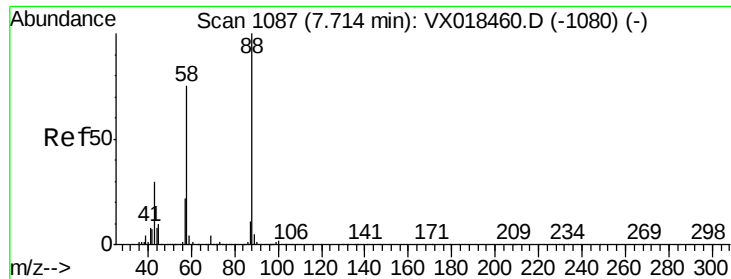
Delta R.T. 0.01 min

Lab File: VX018556.D

Acq: 23 Sep 2020 23:37

Tgt Ion:	41	Resp:	257675
Ion Ratio	Lower	Upper	
41	100		
69	80.9	63.7	95.5
39	59.7	45.0	67.4





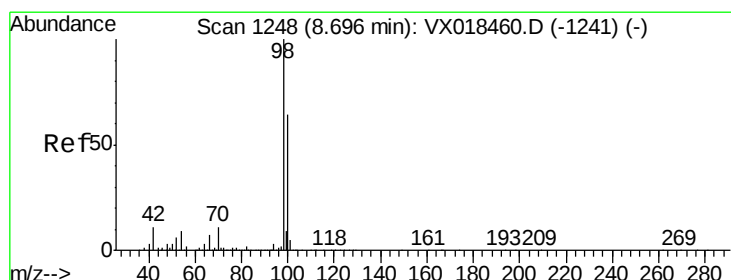
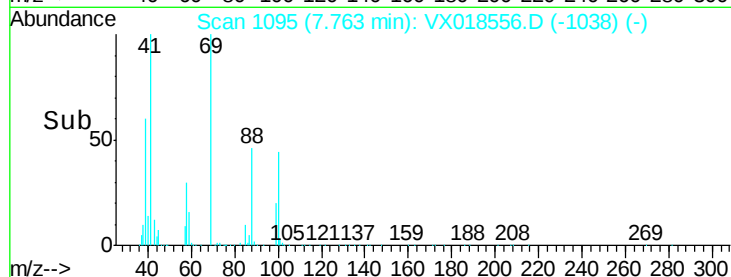
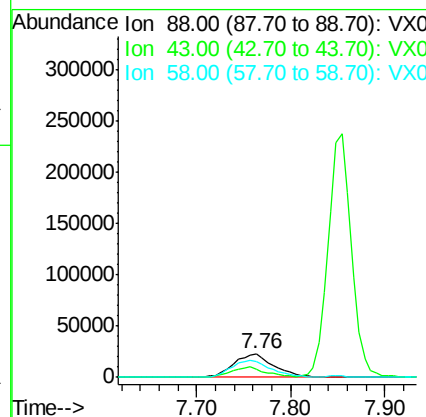
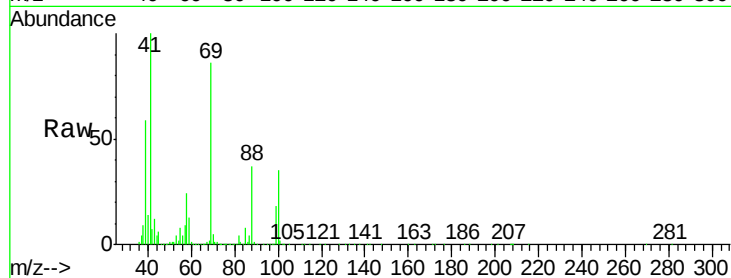
#49
1,4-Dioxane
Concen: 719.367 ug/l
RT: 7.76 min Scan# 1095
Delta R.T. 0.05 min
Lab File: VX018556.D
Acq: 23 Sep 2020 23:37

Instrument :
MSVOA_X
ClientSampleId :
RE109D3-20200917MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.9	29.9	44.9
58	71.3	59.0	88.6

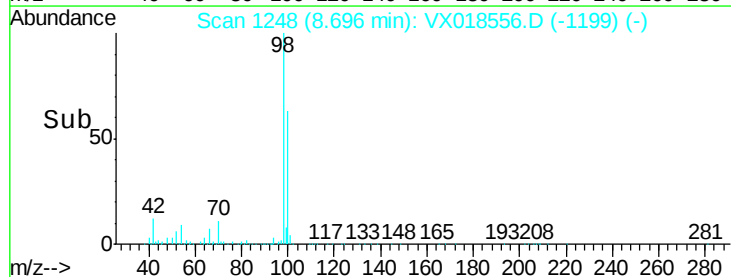
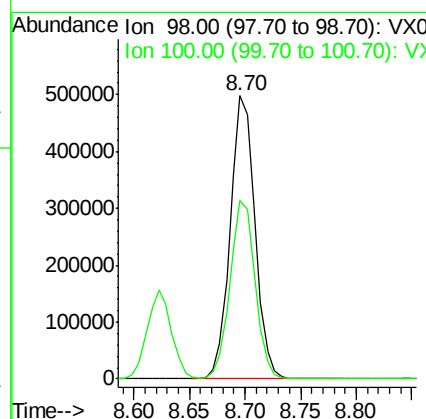
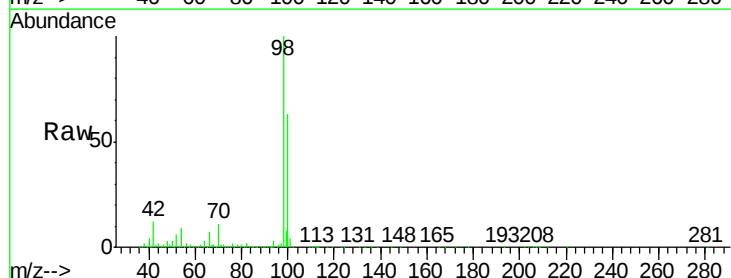
Manual Integrations
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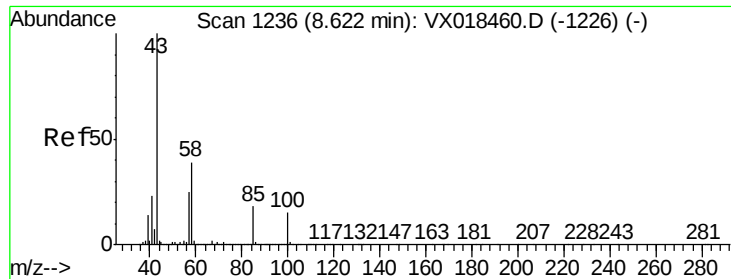
MMDadoda
9/24/2020 1:39:39 PM



#50
Toluene-d8
Concen: 44.817 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX018556.D
Acq: 23 Sep 2020 23:37

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 229.216 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VX018556.D

Acq: 23 Sep 2020 23:37

Instrument :

MSVOA_X

ClientSampleId :

RE109D3-20200917MSD

Tot Ion: 43 Resp: 1593034

Ion Ratio Lower Upper

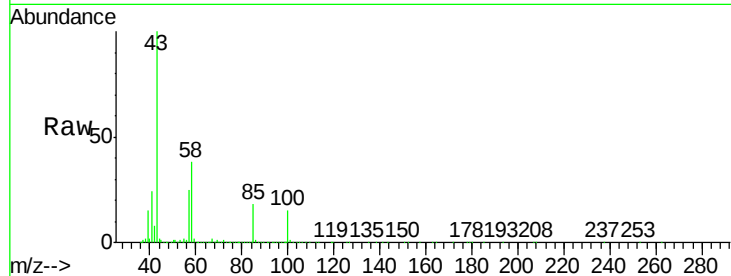
43 100

58 37.8 30.9 46.3

Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

1200000

1000000

800000

600000

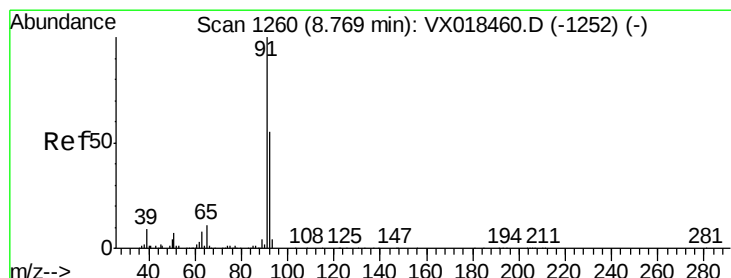
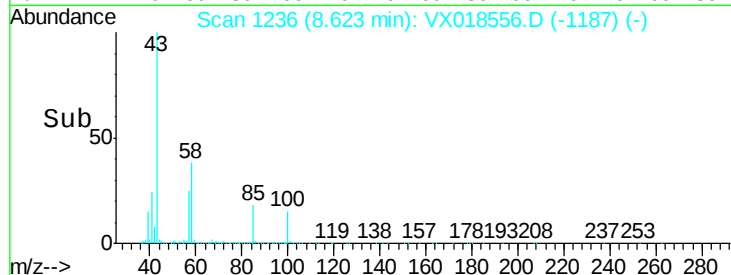
400000

200000

0

8.55 8.60 8.65 8.70

Time-->



#52

Toluene

Concen: 47.249 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VX018556.D

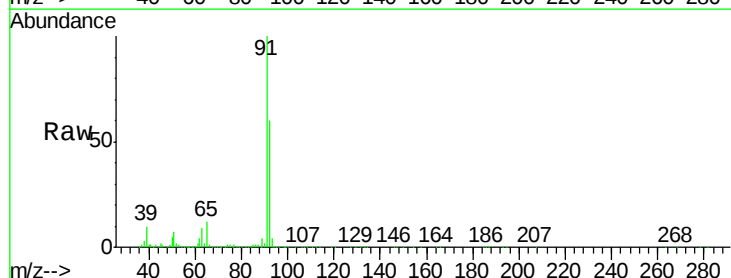
Acq: 23 Sep 2020 23:37

Tgt Ion: 92 Resp: 561277

Ion Ratio Lower Upper

92 100

91 171.7 140.6 210.8



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

600000

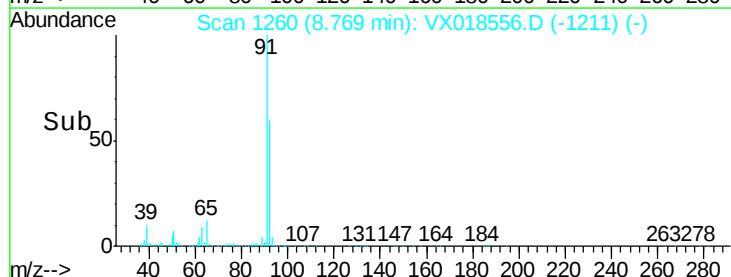
400000

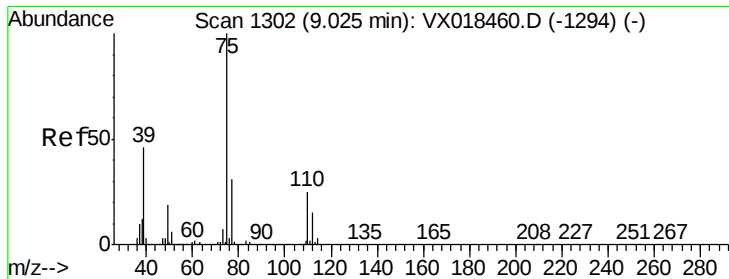
200000

0

8.70 8.80 8.90

Time-->





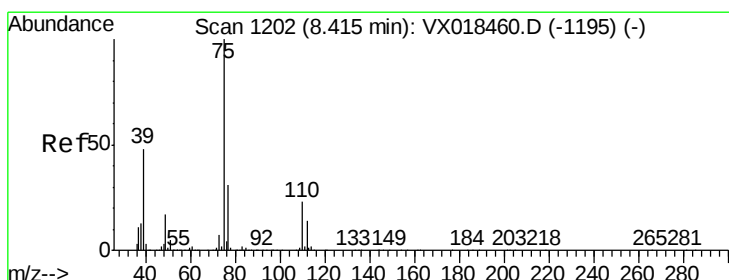
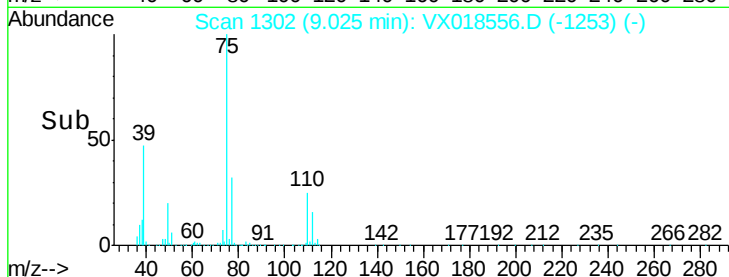
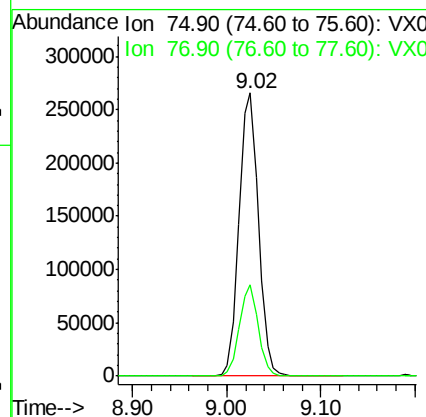
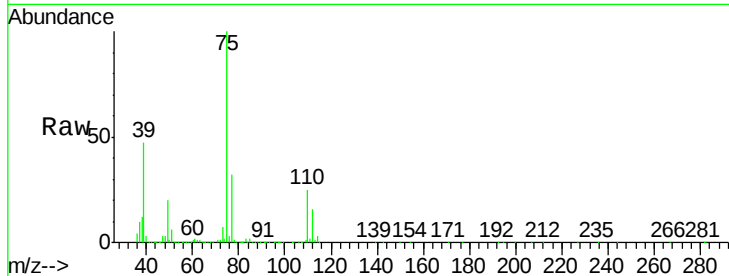
#53
t-1,3-Dichloropropene
Concen: 46.726 ug/l
RT: 9.02 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VX018556.D
Acq: 23 Sep 2020 23:37

Instrument :
MSVOA_X
ClientSampleId :
RE109D3-20200917MSD

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.1	37.7

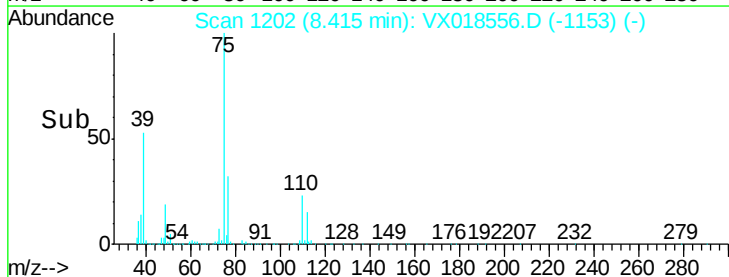
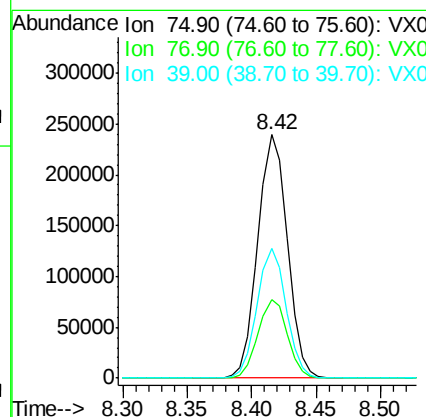
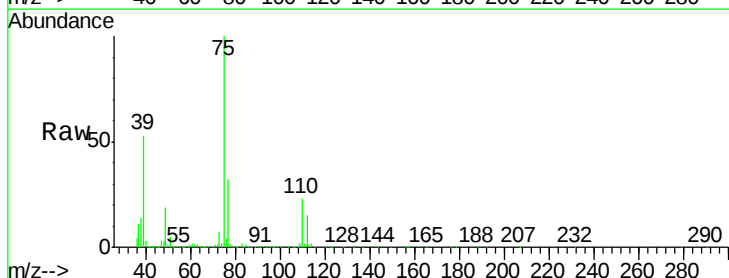
Manual Integrations
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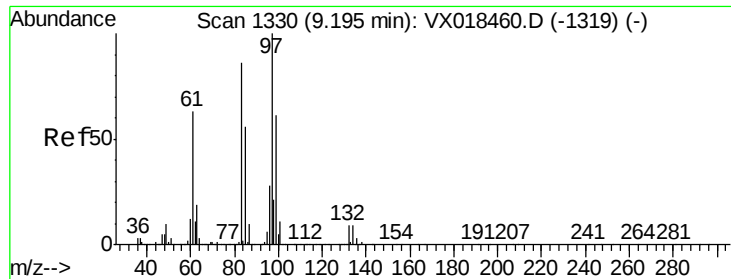
MMDadoda
9/24/2020 1:39:39 PM



#54
cis-1,3-Dichloropropene
Concen: 45.287 ug/l
RT: 8.42 min Scan# 1202
Delta R.T. 0.00 min
Lab File: VX018556.D
Acq: 23 Sep 2020 23:37

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.4	24.8	37.2
39	53.1	38.6	58.0





#55

1,1,2-Trichloroethane

Concen: 47.894 ug/l

RT: 9.20 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VX018556.D

Acq: 23 Sep 2020 23:37

Instrument :

MSVOA_X

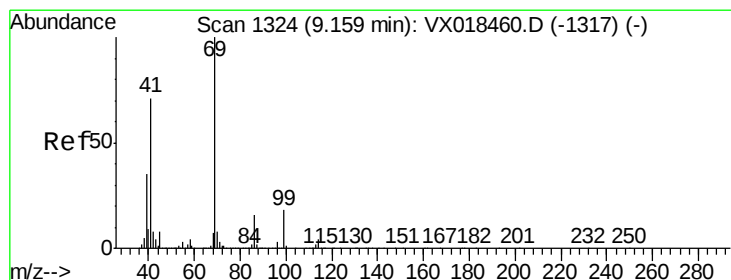
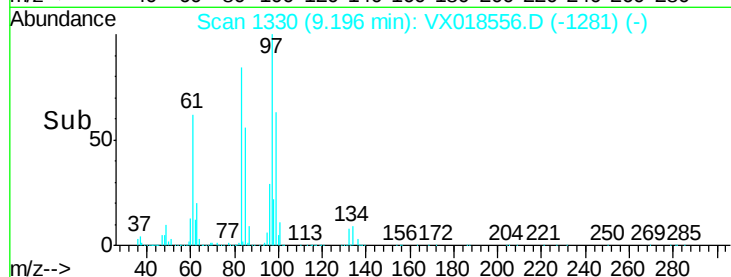
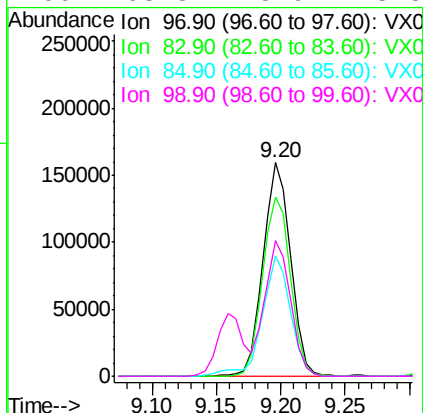
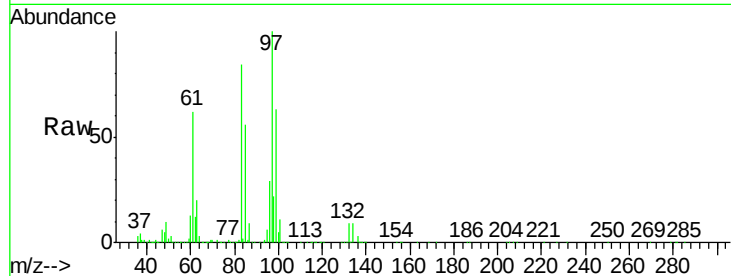
ClientSampleId :

RE109D3-20200917MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		236077		
83	83.8	68.5	102.7		
85	56.2	44.8	67.2		
99	63.3	48.9	73.3		

Manual Integrations
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9/24/2020 1:39:39 PM



#56

Ethyl methacrylate

Concen: 47.049 ug/l

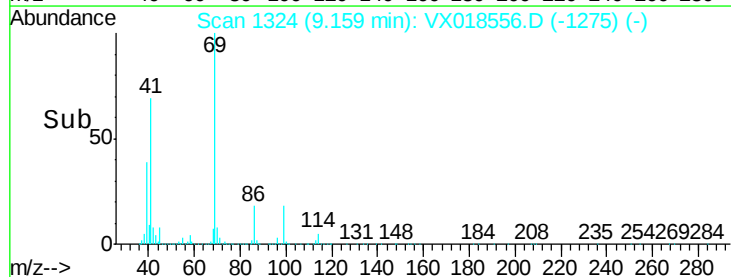
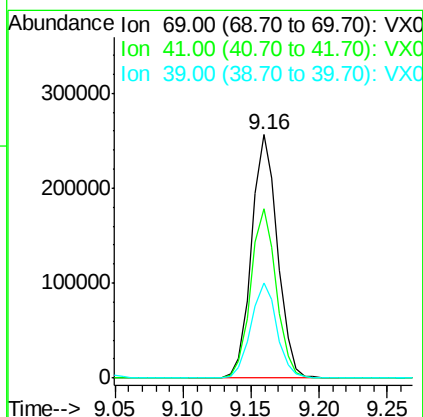
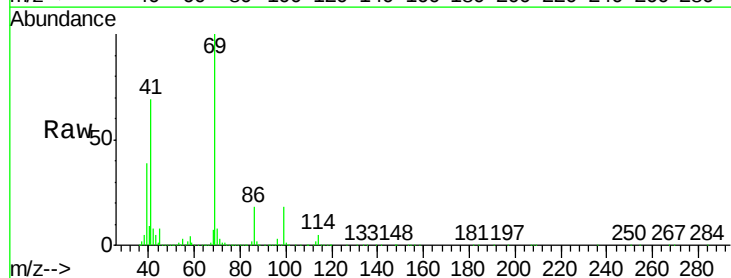
RT: 9.16 min Scan# 1324

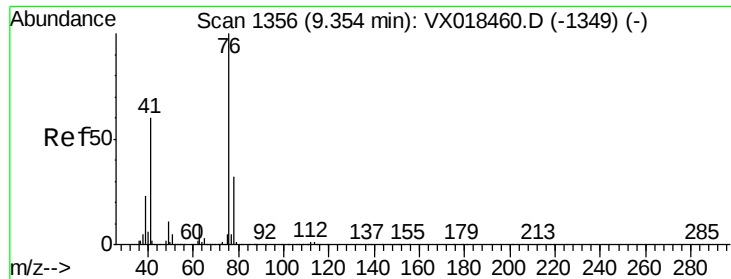
Delta R.T. 0.00 min

Lab File: VX018556.D

Acq: 23 Sep 2020 23:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		343873		
41	68.4	54.6	81.8		
39	39.2	29.3	43.9		





#57

1,3-Dichloropropane

Concen: 47.327 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. 0.00 min

Lab File: VX018556.D

Acq: 23 Sep 2020 23:37

Instrument :

MSVOA_X

ClientSampleId :

RE109D3-20200917MSD

Tot Ion: 76 Resp: 391948

Ion Ratio Lower Upper

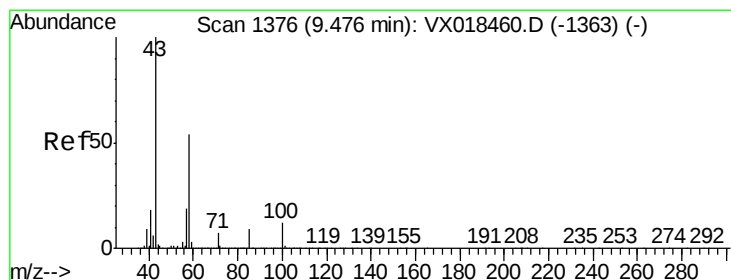
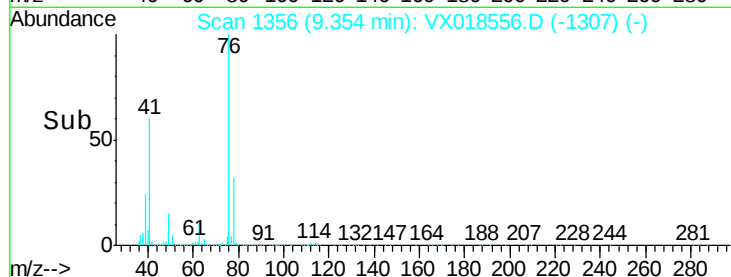
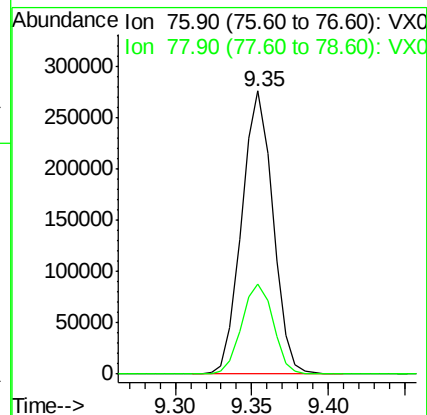
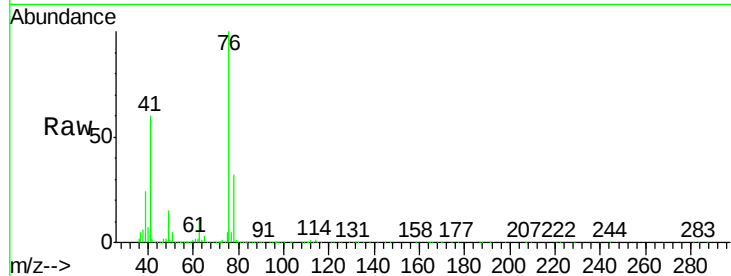
76 100

78 32.3 25.6 38.4

Manual Integrations
APPROVED

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#59

2-Hexanone

Concen: 225.661 ug/l

RT: 9.48 min Scan# 1376

Delta R.T. 0.00 min

Lab File: VX018556.D

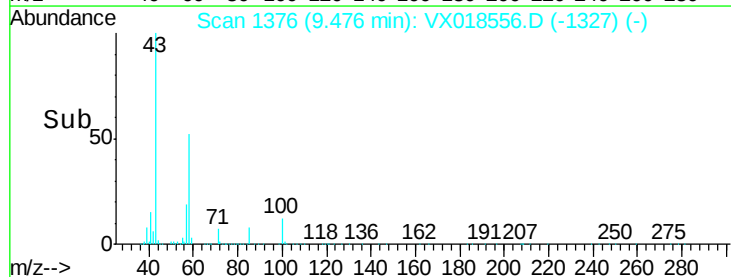
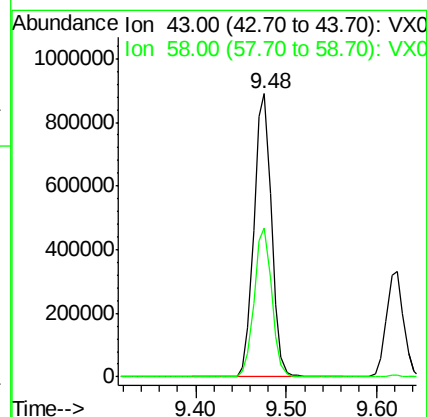
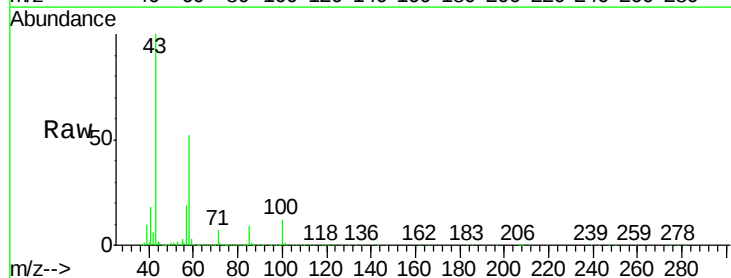
Acq: 23 Sep 2020 23:37

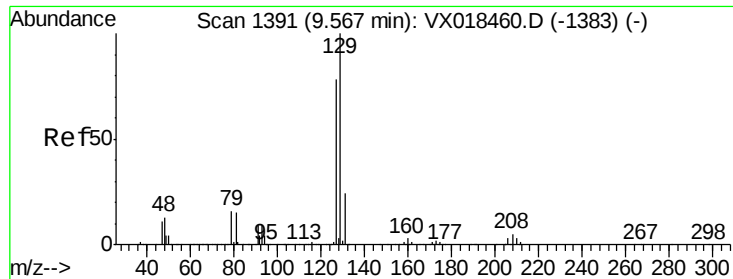
Tgt Ion: 43 Resp: 1192883

Ion Ratio Lower Upper

43 100

58 52.4 26.5 79.4





#60

Dibromochloromethane

Concen: 49.116 ug/l

RT: 9.57 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX018556.D

Acq: 23 Sep 2020 23:37

Instrument :

MSVOA_X

ClientSampleId :

RE109D3-20200917MSD

Tot Ion:129 Resp: 288685

Ion Ratio Lower Upper

129 100

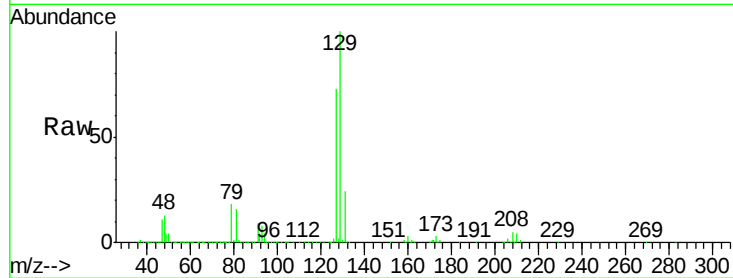
127 78.4 39.0 117.0

Manual Integrations

APPROVED

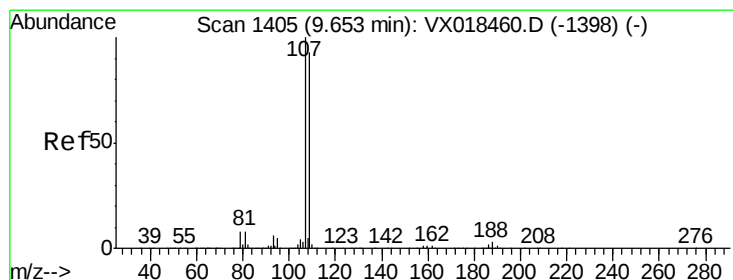
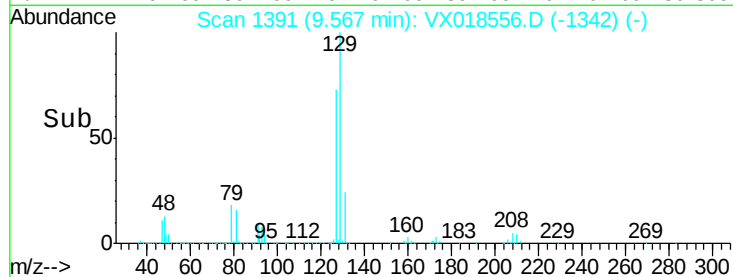
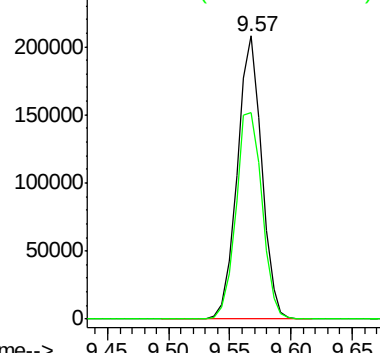
MMDadoda

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 48.438 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX018556.D

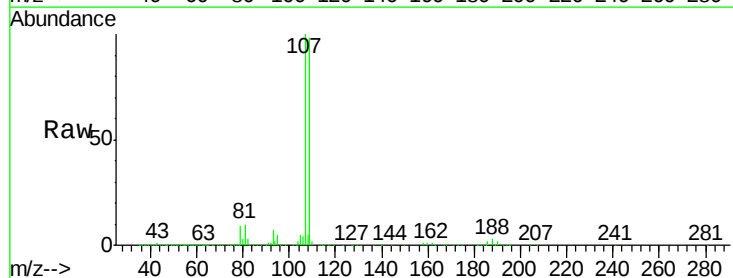
Acq: 23 Sep 2020 23:37

Tgt Ion:107 Resp: 254036

Ion Ratio Lower Upper

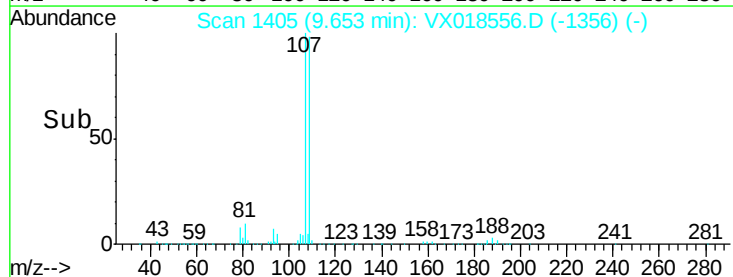
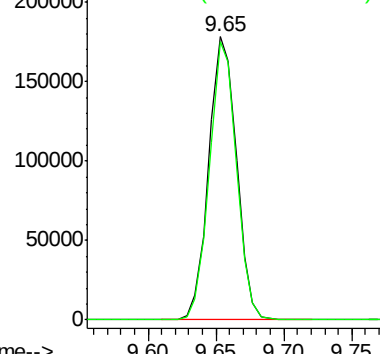
107 100

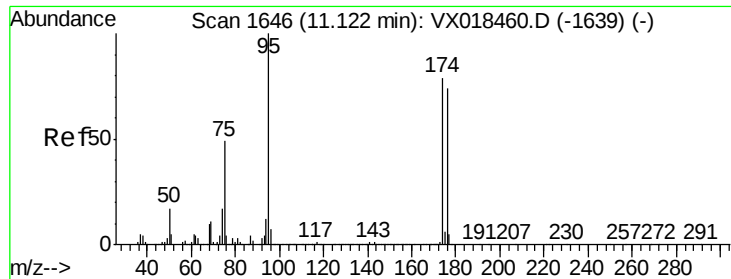
109 95.6 75.9 113.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





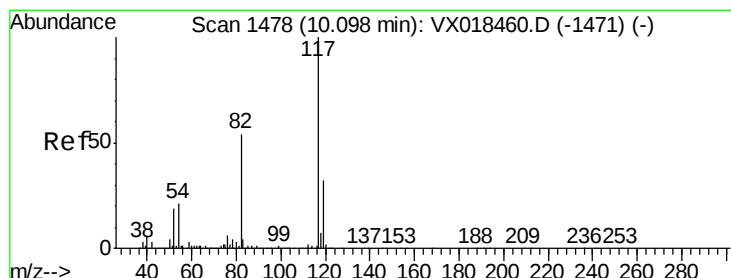
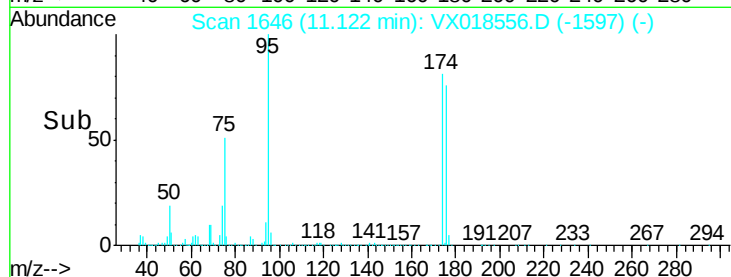
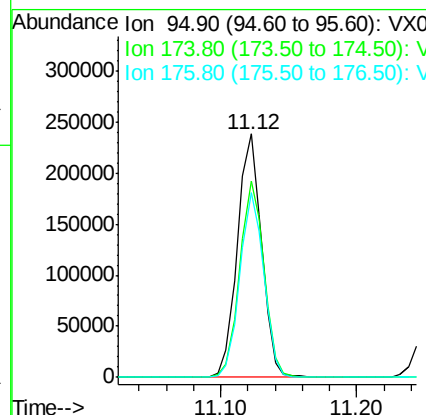
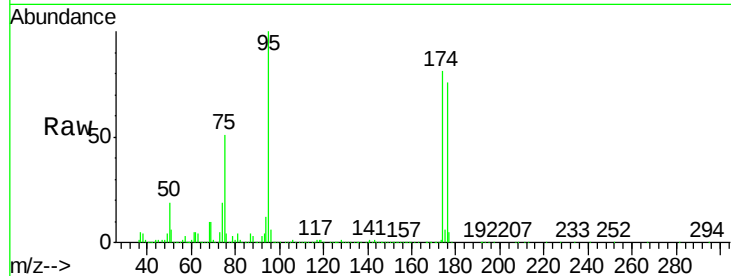
#62
4-Bromofluorobenzene
Concen: 43.419 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX018556.D
Acq: 23 Sep 2020 23:37

Instrument :
MSVOA_X
ClientSampleId :
RE109D3-20200917MSD

Tot Ion	Ratio	Resp	Lower	Upper
95	100	294407		
174	80.9	0.0	161.4	
176	75.4	0.0	151.4	

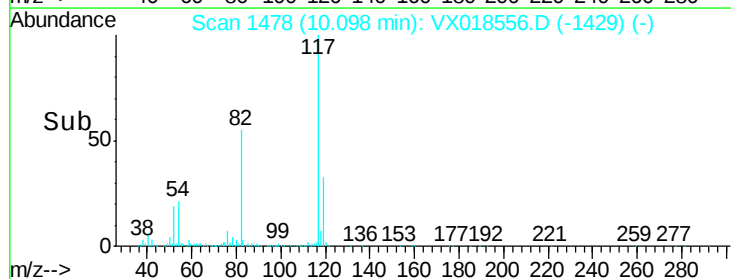
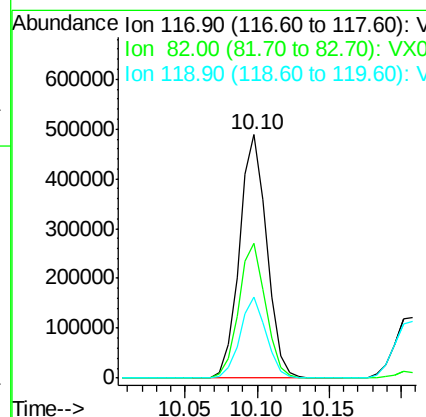
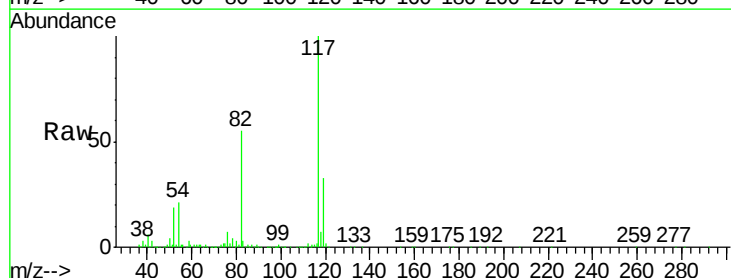
Manual Integrations
APPROVED

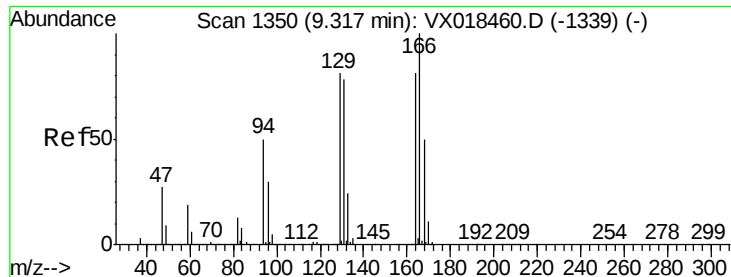
MMDadoda
9/24/2020 1:39:39 PM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX018556.D
Acq: 23 Sep 2020 23:37

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	644918		
82	55.2	43.3	64.9	
119	33.1	25.9	38.9	





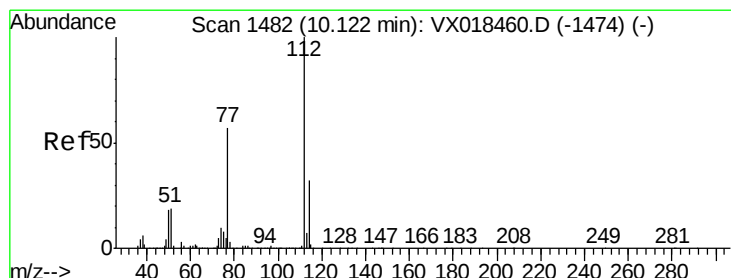
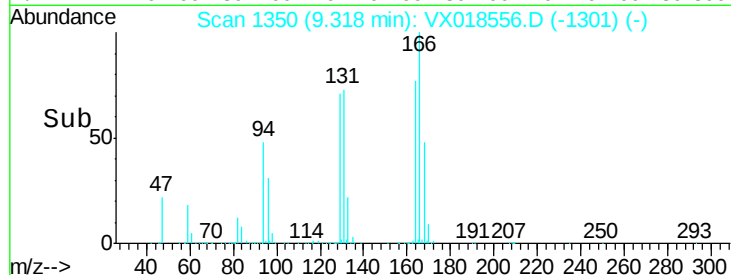
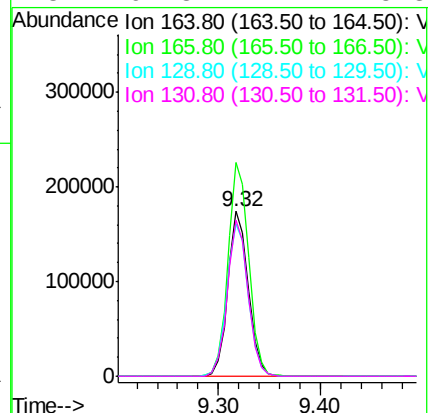
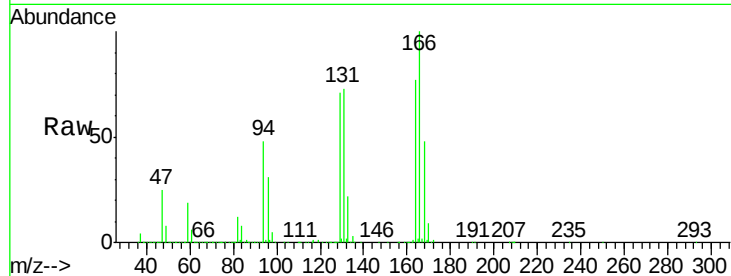
#64
Tetrachloroethene
Concen: 47.607 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VX018556.D
Acq: 23 Sep 2020 23:37

Instrument :
MSVOA_X
ClientSampleId :
RE109D3-20200917MSD

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
166	129.7	99.3	148.9	
129	92.3	80.7	121.1	
131	94.8	77.2	115.8	

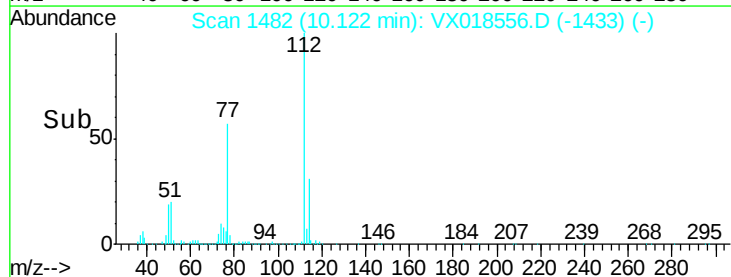
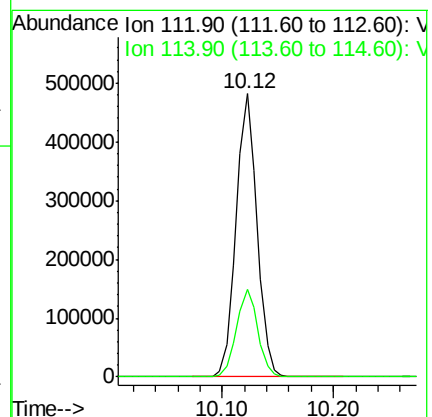
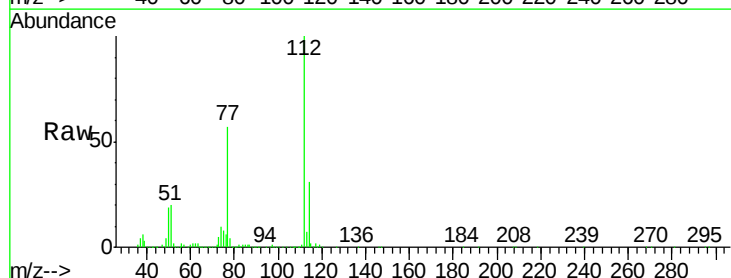
Manual Integrations
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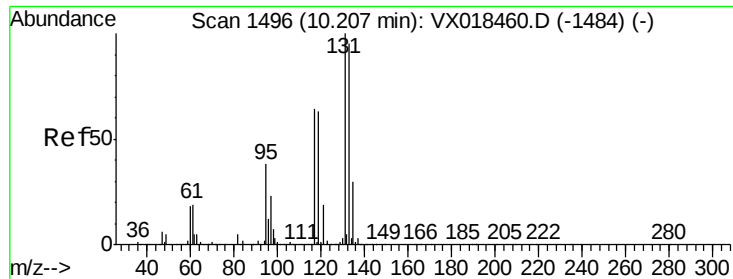
MMDadoda
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#65
Chlorobenzene
Concen: 47.120 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VX018556.D
Acq: 23 Sep 2020 23:37

Tgt Ion	Ratio	Resp	Lower	Upper
112	100			
114	31.0	25.4	38.0	





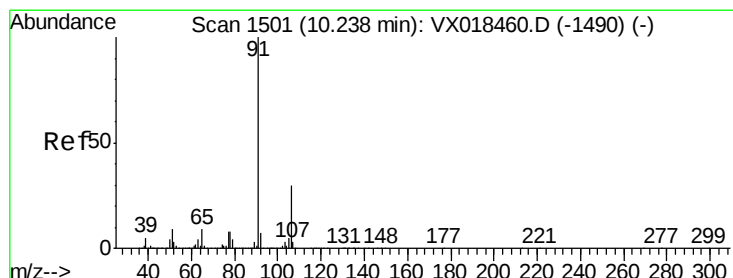
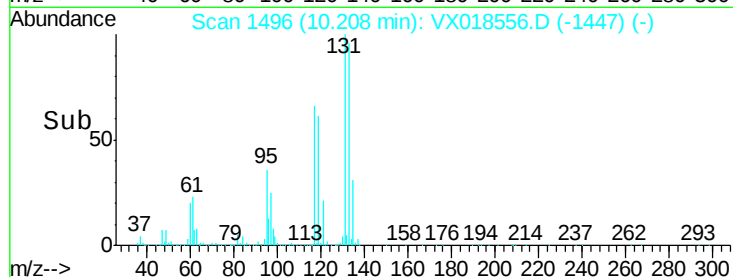
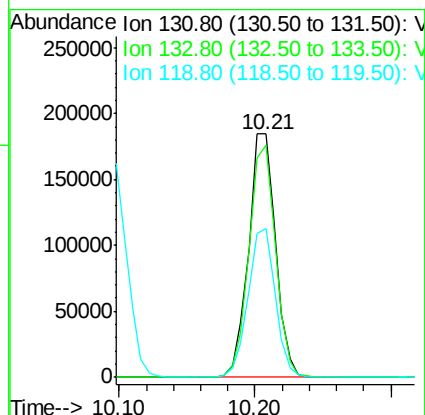
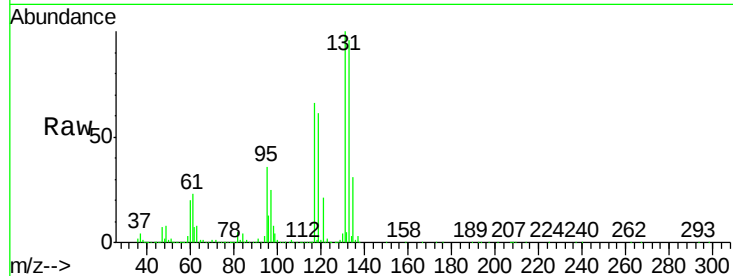
#66
 1,1,1,2-Tetrachloroethane
 Concen: 48.471 ug/l
 RT: 10.21 min Scan# 1496
 Delta R.T. 0.00 min
 Lab File: VX018556.D
 Acq: 23 Sep 2020 23:37

Instrument :
 MSVOA_X
 ClientSampleId :
 RE109D3-20200917MSD

Tot Ion	Ratio	Resp	Lower	Upper
131	100	258216		
133	93.9	47.8	143.4	
119	61.7	31.9	95.7	

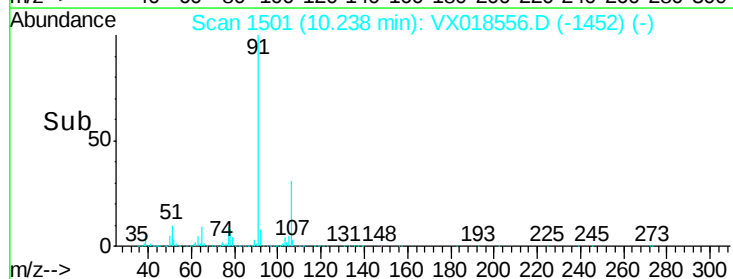
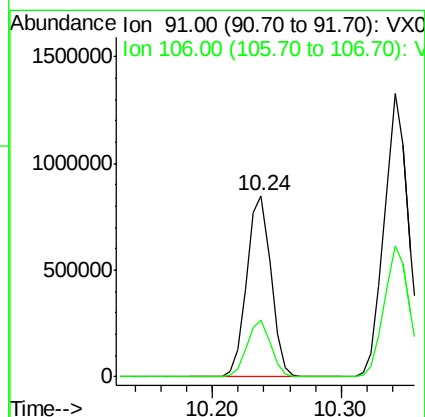
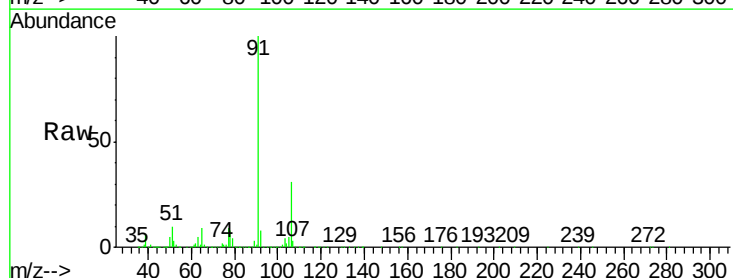
Manual Integrations
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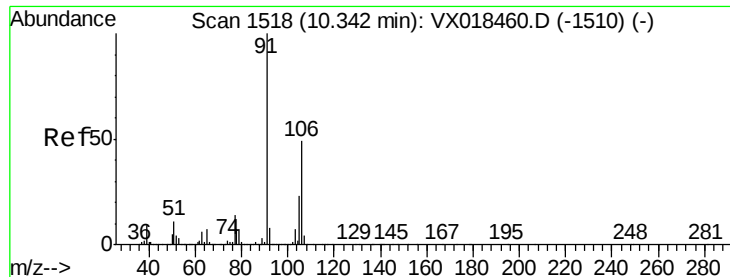
MMDadoda
 9/24/2020 1:39:39 PM



#67
 Ethyl Benzene
 Concen: 47.735 ug/l
 RT: 10.24 min Scan# 1501
 Delta R.T. 0.00 min
 Lab File: VX018556.D
 Acq: 23 Sep 2020 23:37

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1097236		
106	31.5	24.1	36.1	





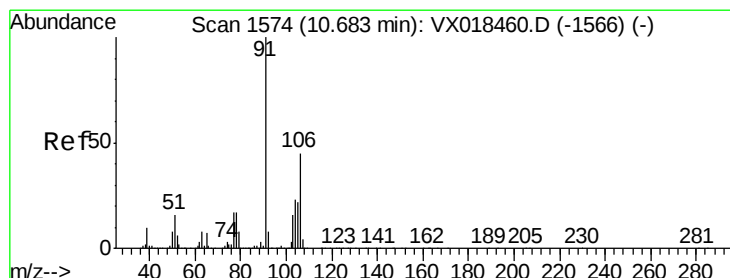
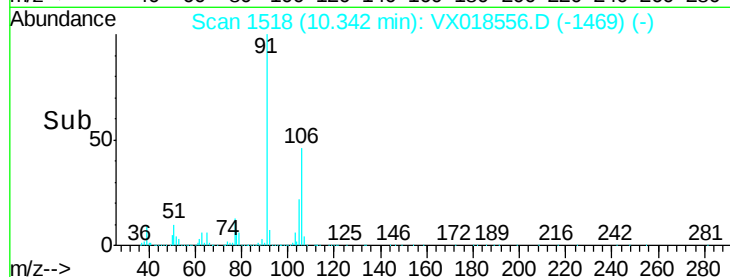
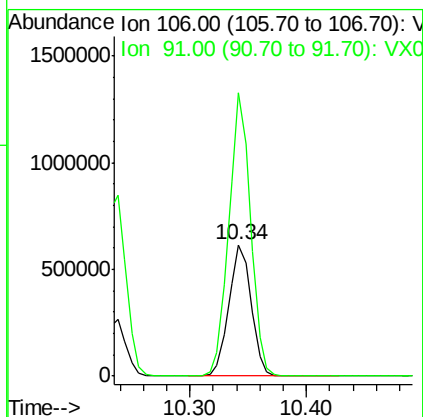
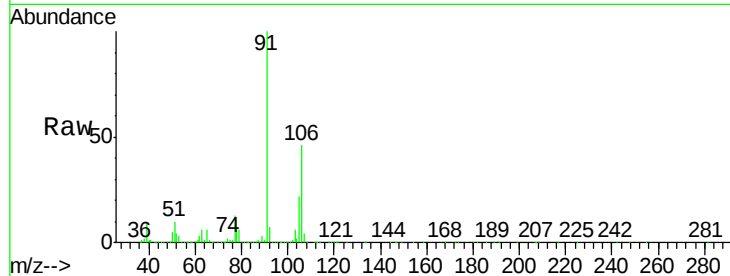
#68
m/p-Xylenes
Concen: 94.614 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX018556.D
Acq: 23 Sep 2020 23:37

Instrument :
MSVOA_X
ClientSampleId :
RE109D3-20200917MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		822684		
91	209.6	163.8	245.6		

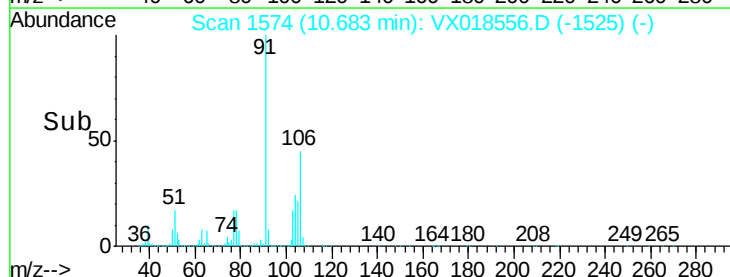
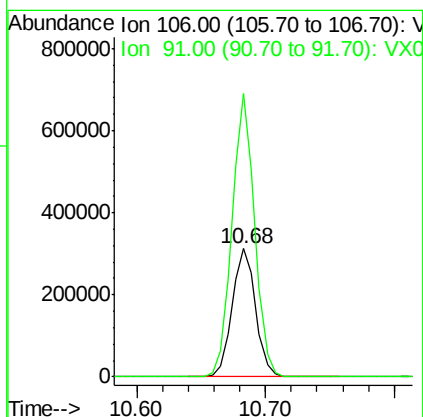
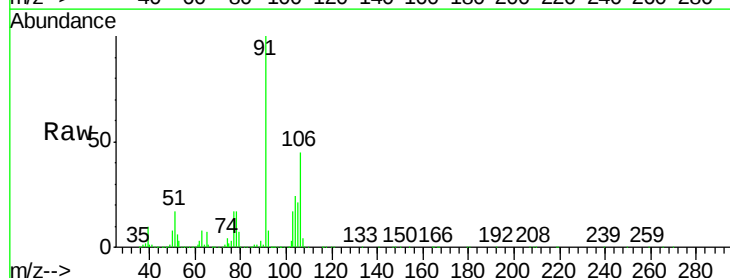
Manual Integrations
APPROVED

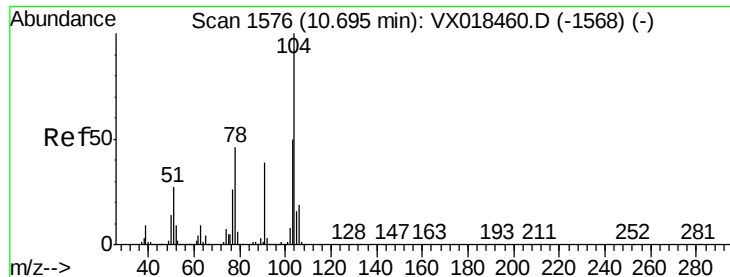
MMDadoda
9/24/2020 1:39:39 PM



#69
o-Xylene
Concen: 48.209 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX018556.D
Acq: 23 Sep 2020 23:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		396943		
91	213.6	109.7	329.0		





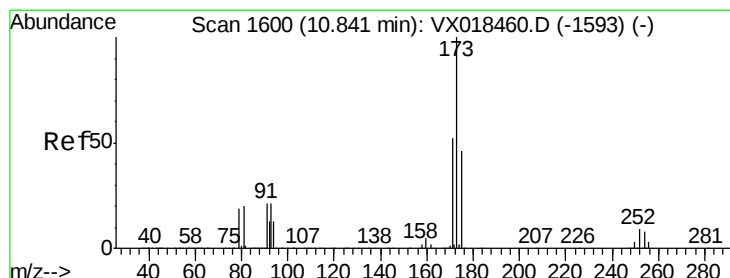
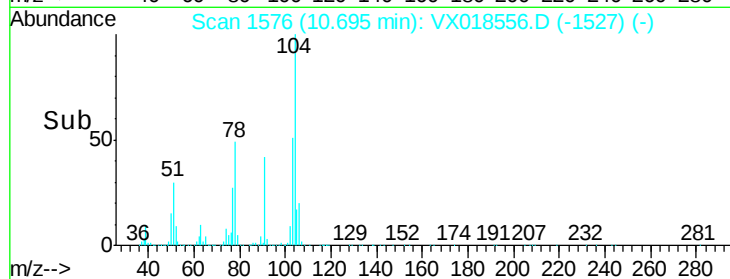
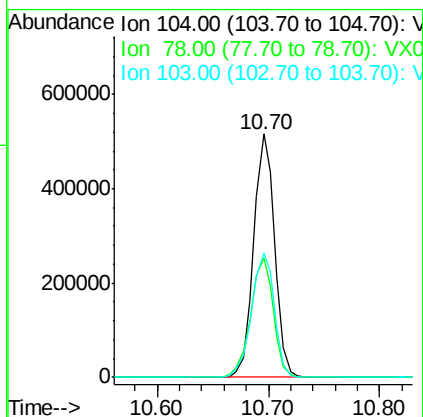
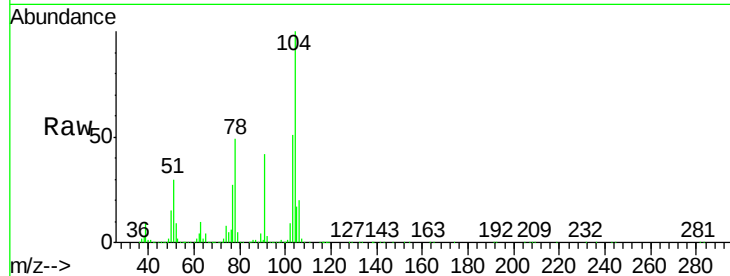
#70
Stvrene
Concen: 47.594 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX018556.D
Acq: 23 Sep 2020 23:37

Instrument :
MSVOA_X
ClientSampleId :
RE109D3-20200917MSD

Tot Ion	Ratio	Resp	Lower	Upper
104	100	676638		
78	53.4	40.5	60.7	
103	55.9	43.2	64.8	

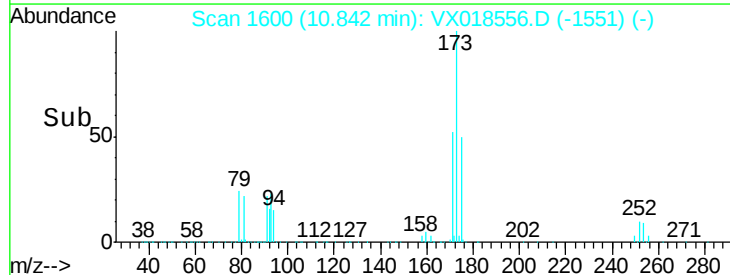
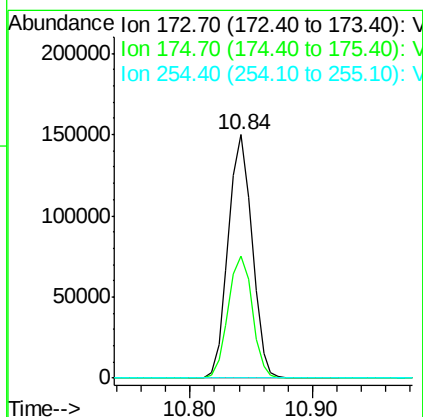
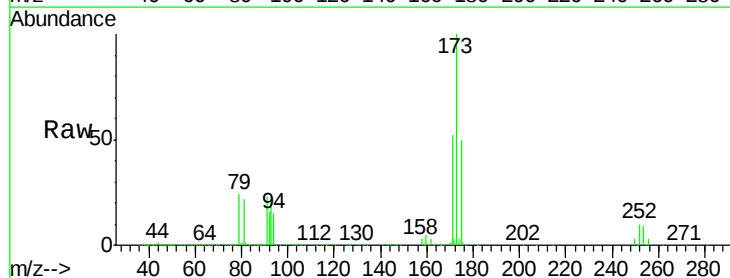
Manual Integrations
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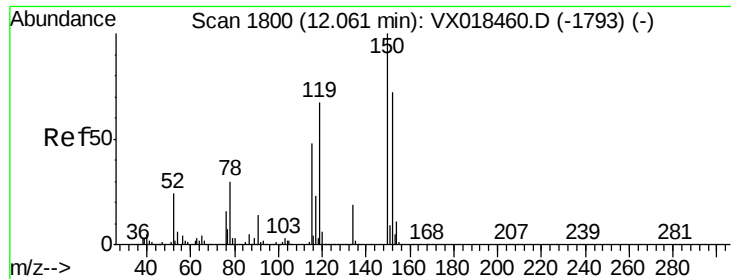
MMDadoda
9/24/2020 1:39:39 PM



#71
Bromoform
Concen: 45.315 ug/l
RT: 10.84 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VX018556.D
Acq: 23 Sep 2020 23:37

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	202687		
175	50.6	23.6	70.8	
254	0.1	0.1	0.1#	





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX018556.D

Acq: 23 Sep 2020 23:37

Instrument :

MSVOA_X

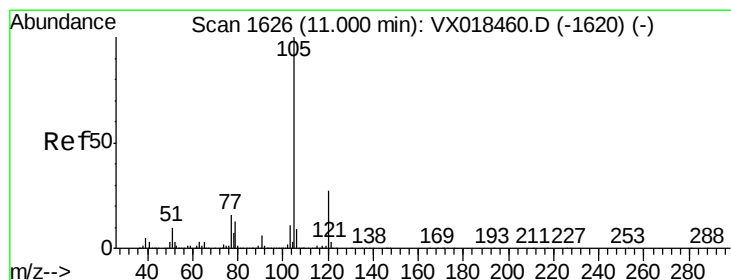
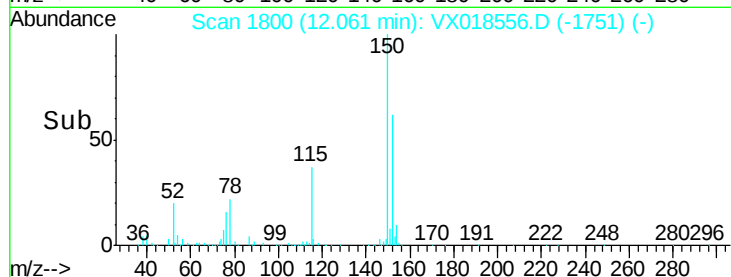
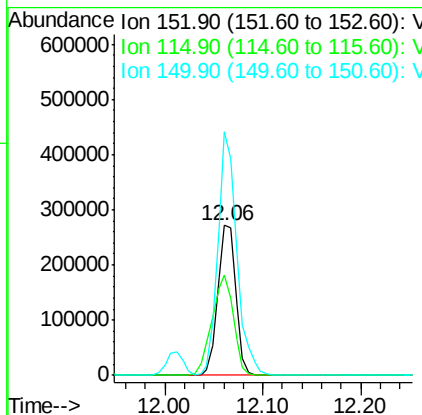
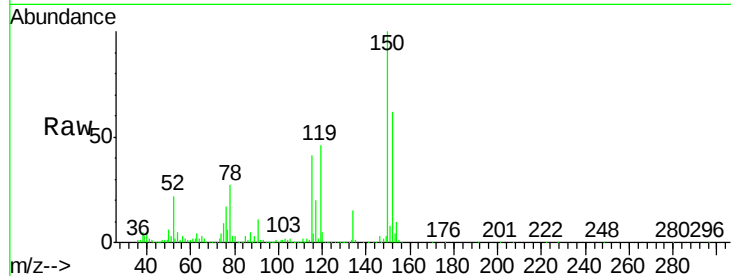
ClientSampleId :

RE109D3-20200917MSD

Tot Ion:	152	Resp:	348044
Ion Ratio	Lower	Upper	
152	100		
115	78.8	41.8	125.4
150	169.2	0.0	342.4

Manual Integrations
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9/24/2020 1:39:39 PM



#73

Isopropylbenzene

Concen: 46.816 ug/l

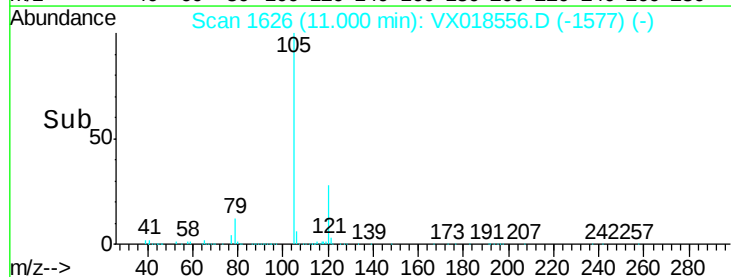
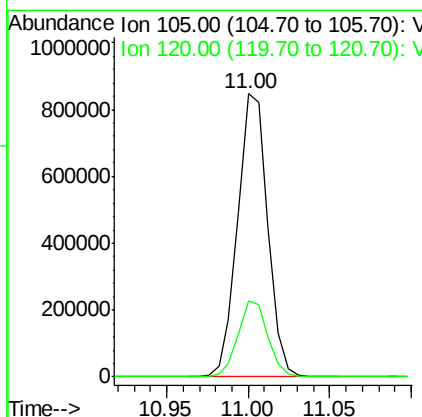
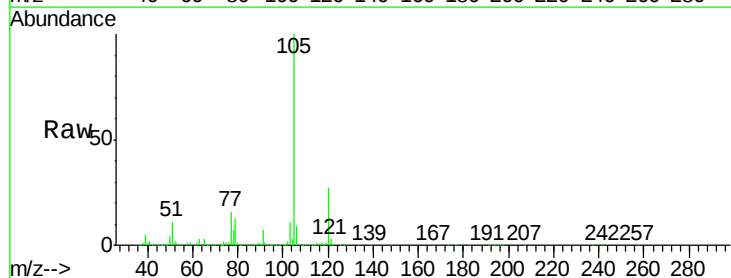
RT: 11.00 min Scan# 1626

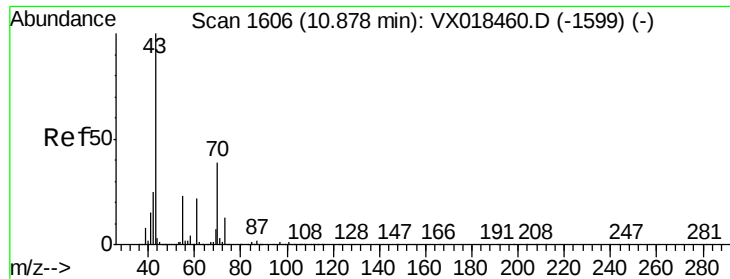
Delta R.T. 0.00 min

Lab File: VX018556.D

Acq: 23 Sep 2020 23:37

Tgt Ion:	105	Resp:	1088505
Ion Ratio	Lower	Upper	
105	100		
120	26.5	13.4	40.2





#74

N-amvl acetate

Concen: 40.850 ug/l

RT: 10.88 min Scan# 1607

Delta R.T. 0.01 min

Lab File: VX018556.D

Acq: 23 Sep 2020 23:37

Instrument :

MSVOA_X

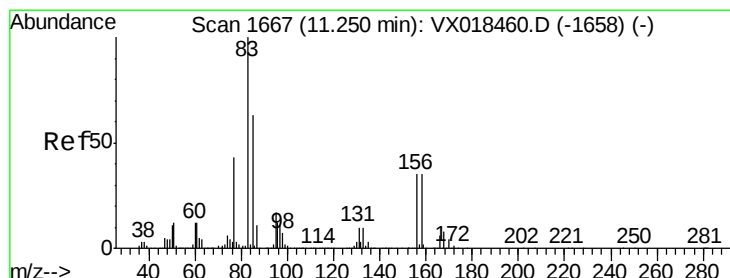
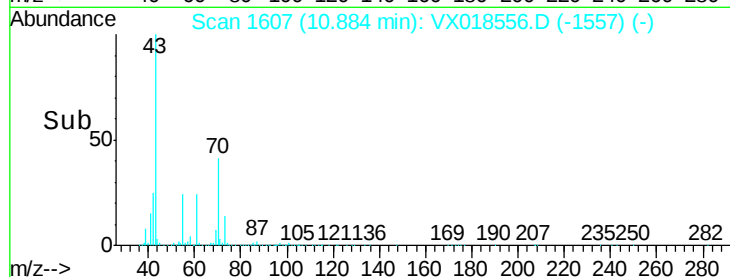
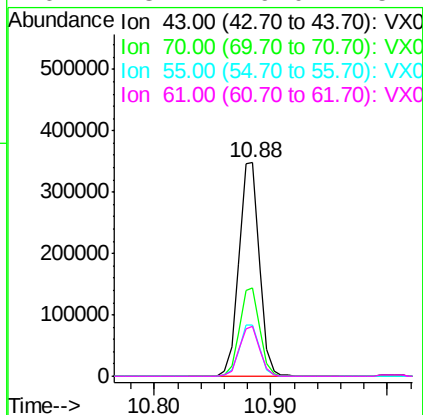
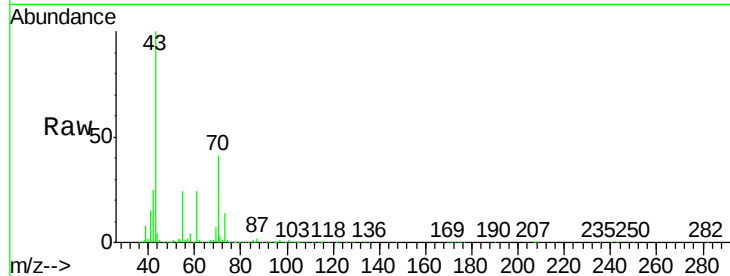
ClientSampleId :

RE109D3-20200917MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		427599		
70	40.7	32.2	48.4		
55	23.9	18.8	28.2		
61	23.1	19.0	28.4		

Manual Integrations
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9/24/2020 1:39:39 PM



#75

1,1,2,2-Tetrachloroethane

Concen: 45.173 ug/l

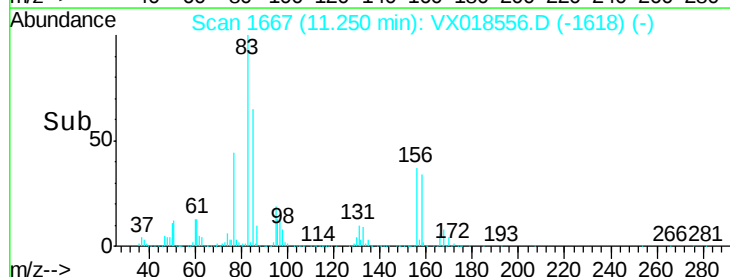
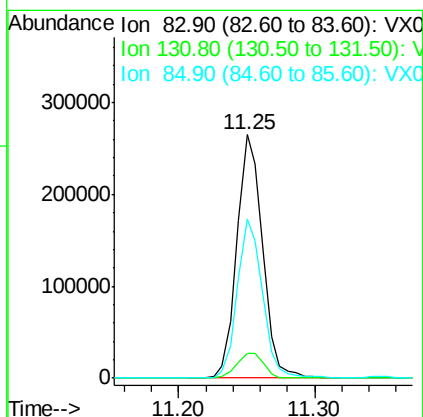
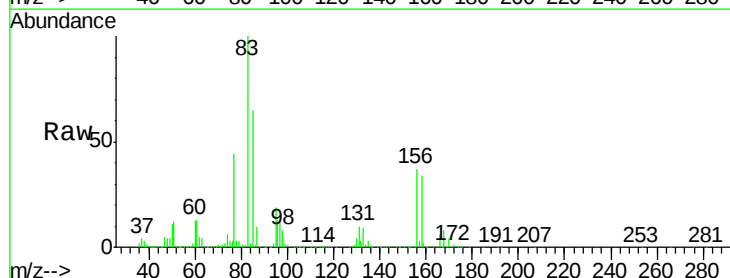
RT: 11.25 min Scan# 1667

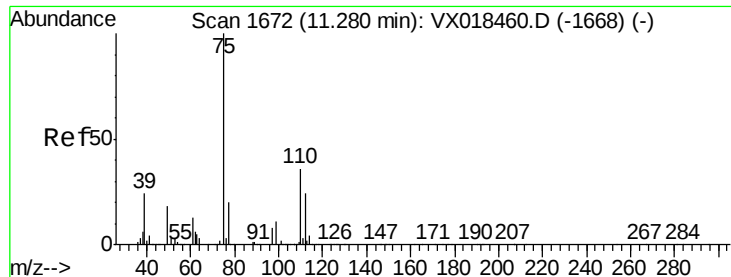
Delta R.T. 0.00 min

Lab File: VX018556.D

Acq: 23 Sep 2020 23:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		347645		
131	11.0	5.1	15.4		
85	64.1	31.8	95.4		





#76

1,2,3-Trichloropropane

Concen: 43.887 ug/l m

RT: 11.28 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VX018556.D

Acq: 23 Sep 2020 23:37

Instrument :

MSVOA_X

ClientSampleId :

RE109D3-20200917MSD

Tot Ion: 75 Resp: 320985

Ion Ratio Lower Upper

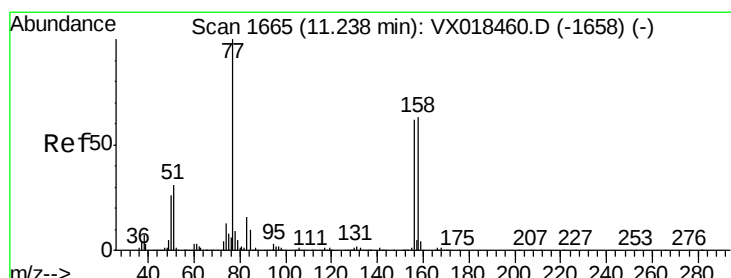
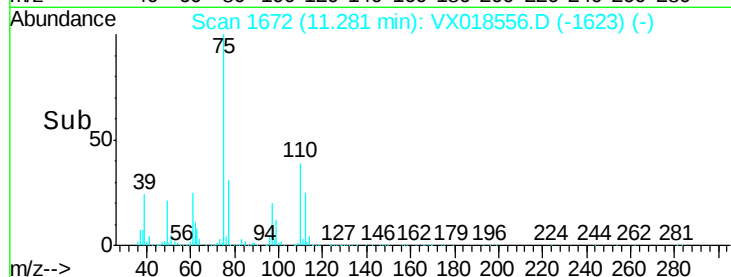
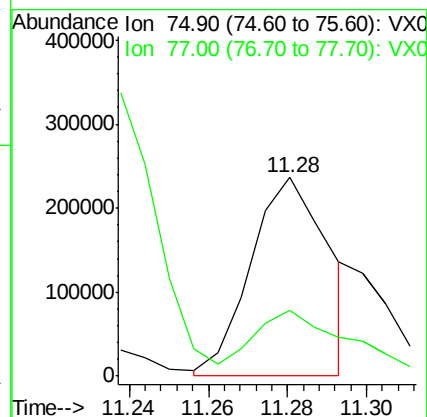
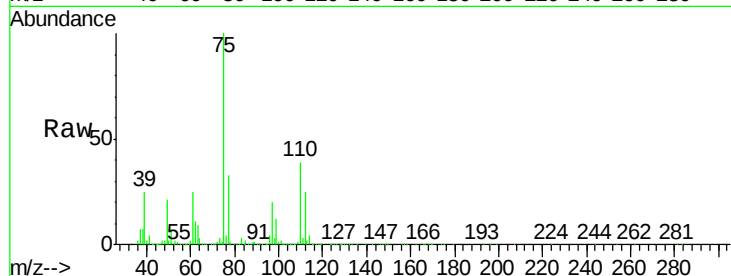
75 100

77 41.1 20.9 62.7

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#77

Bromobenzene

Concen: 44.378 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX018556.D

Acq: 23 Sep 2020 23:37

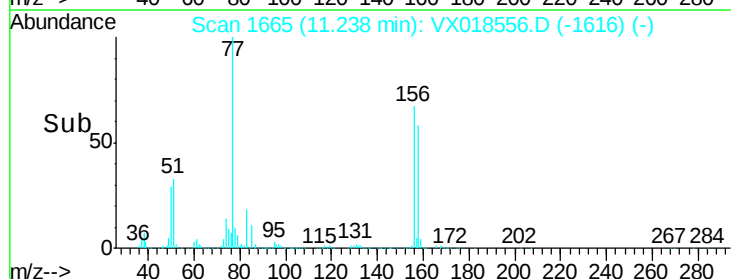
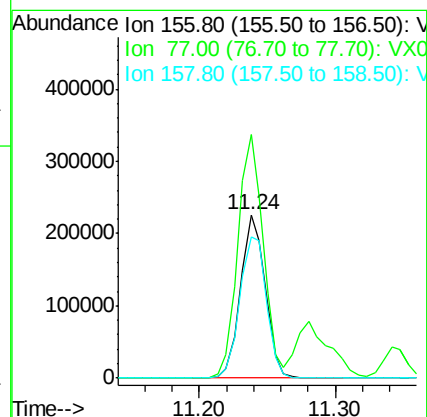
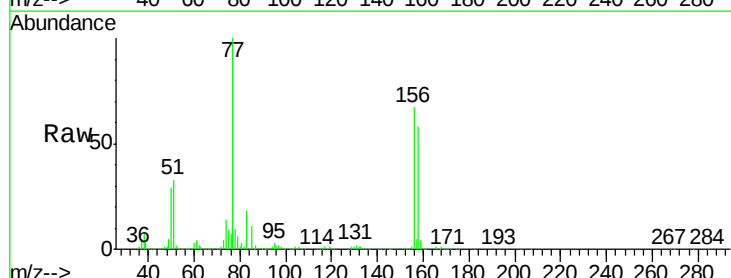
Tgt Ion: 156 Resp: 284694

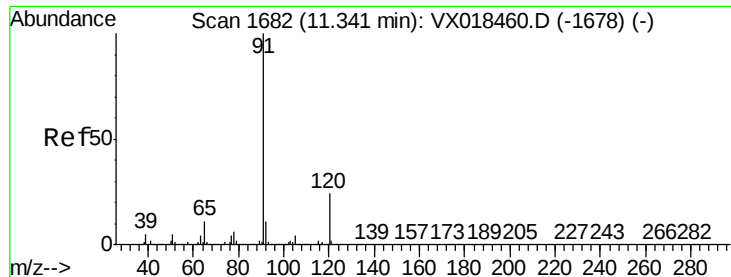
Ion Ratio Lower Upper

156 100

77 153.2 78.8 236.5

158 93.2 48.4 145.3





#78

n-propylbenzene

Concen: 45.934 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VX018556.D

Acq: 23 Sep 2020 23:37

Instrument :

MSVOA_X

ClientSampleId :

RE109D3-20200917MSD

Tot Ion: 91 Resp: 1250121

Ion Ratio Lower Upper

91 100

120 23.9

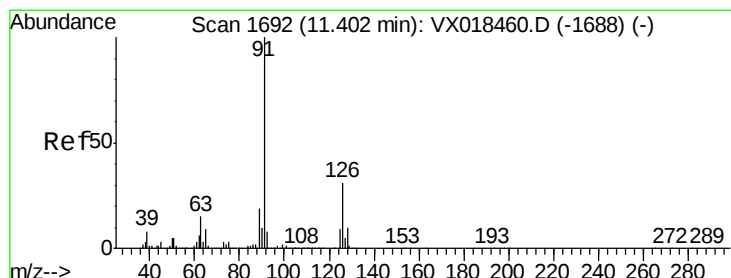
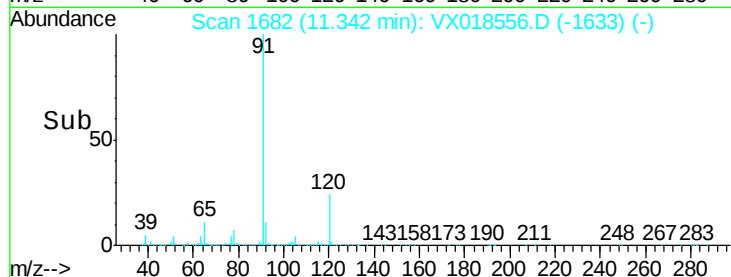
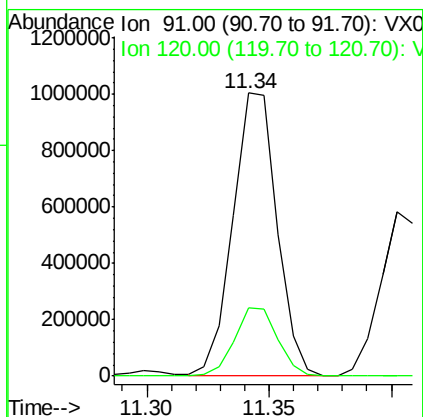
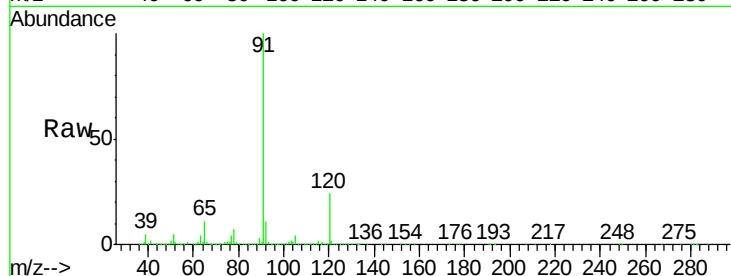
11.8

35.3

Manual Integrations
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#79

2-Chlorotoluene

Concen: 45.026 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VX018556.D

Acq: 23 Sep 2020 23:37

Tgt Ion: 91 Resp: 741756

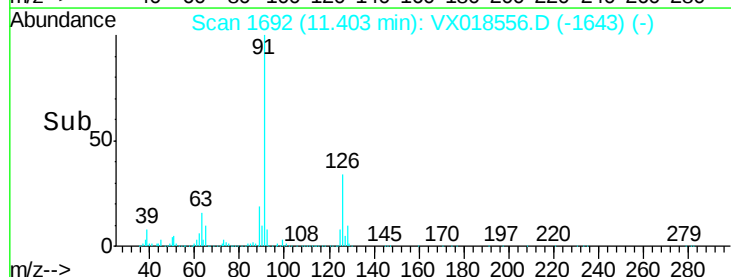
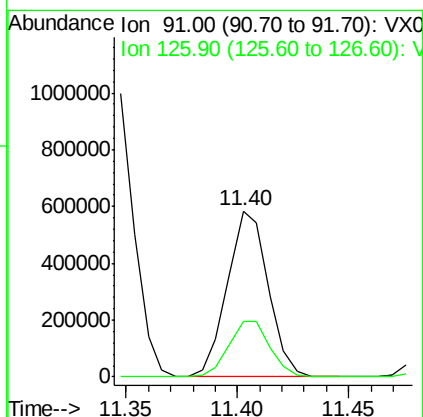
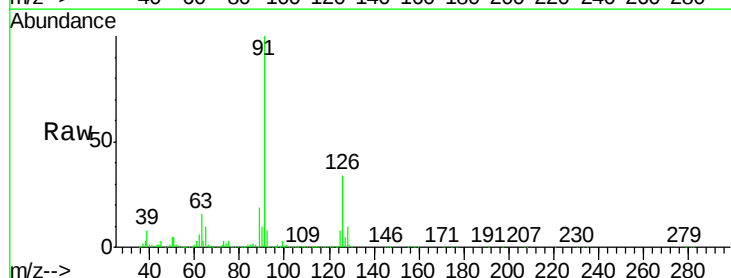
Ion Ratio Lower Upper

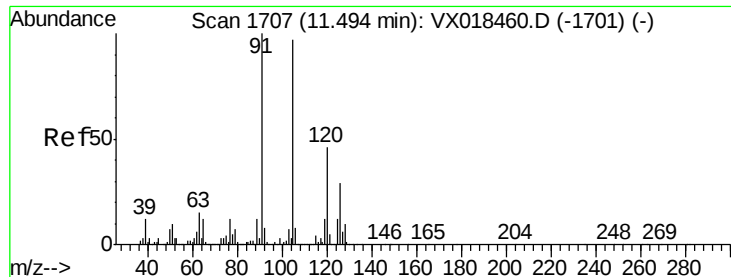
91 100

126 34.5

16.6

49.7





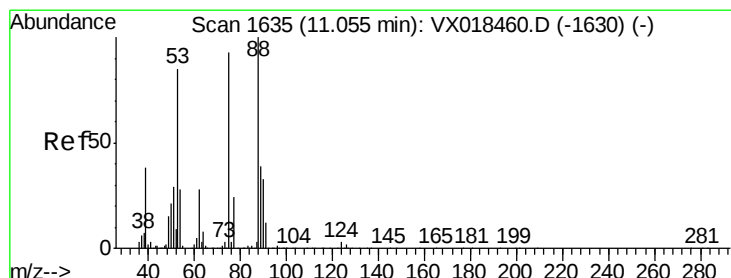
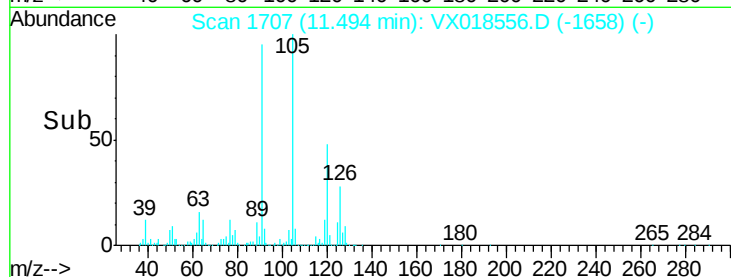
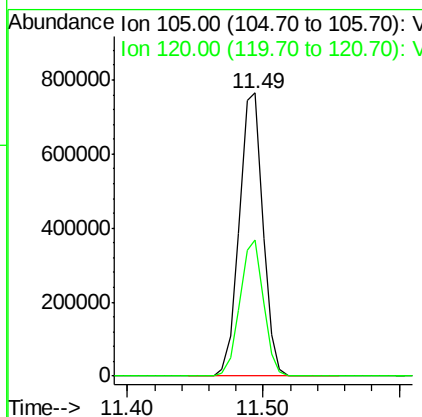
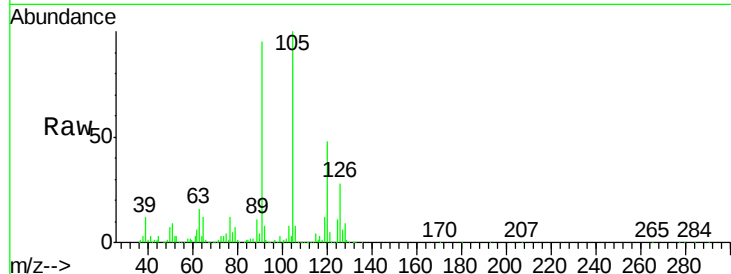
#80
 1,3,5-Trimethylbenzene
 Concen: 46.569 ug/l
 RT: 11.49 min Scan# 1707
 Delta R.T. 0.00 min
 Lab File: VX018556.D
 Acq: 23 Sep 2020 23:37

Instrument :
 MSVOA_X
 ClientSampleId :
 RE109D3-20200917MSD

Tot Ion	Ratio	Resp	Lower	Upper
105	100	925988		
120	48.0	23.6	71.0	

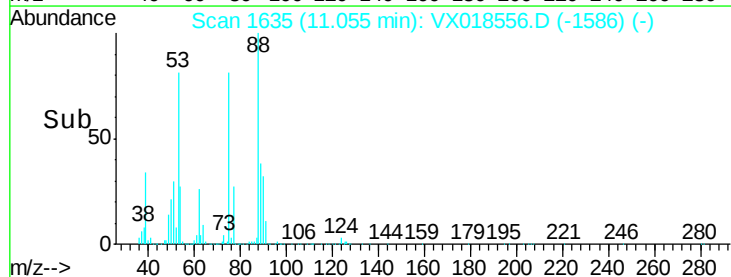
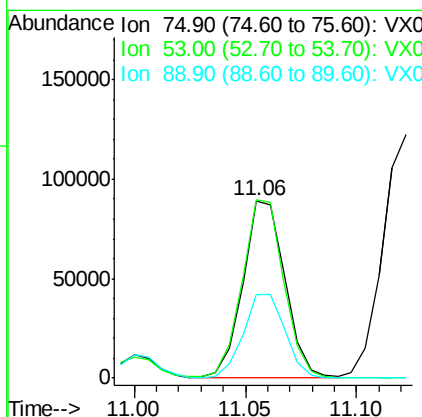
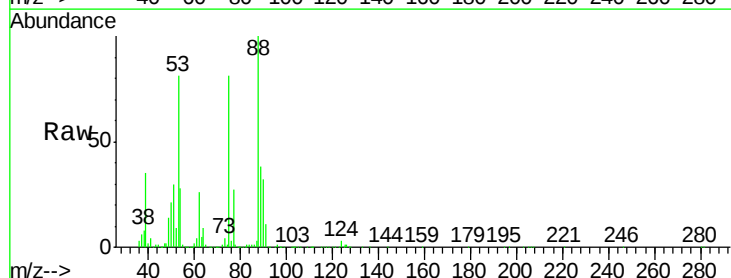
Manual Integrations
 APPROVED

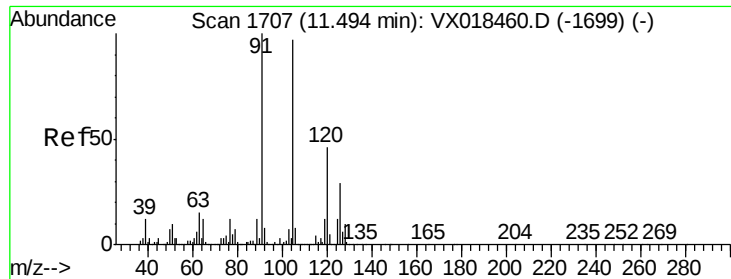
MMDadoda
 9/24/2020 1:39:39 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 40.731 ug/l
 RT: 11.06 min Scan# 1635
 Delta R.T. 0.00 min
 Lab File: VX018556.D
 Acq: 23 Sep 2020 23:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	116257		
53	100.4	74.6	111.8	
89	47.9	36.2	54.4	





#82

4-Chlorotoluene

Concen: 45.418 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX018556.D

Acq: 23 Sep 2020 23:37

Instrument :

MSVOA_X

ClientSampleId :

RE109D3-20200917MSD

Tot Ion: 91 Resp: 889395

Ion Ratio Lower Upper

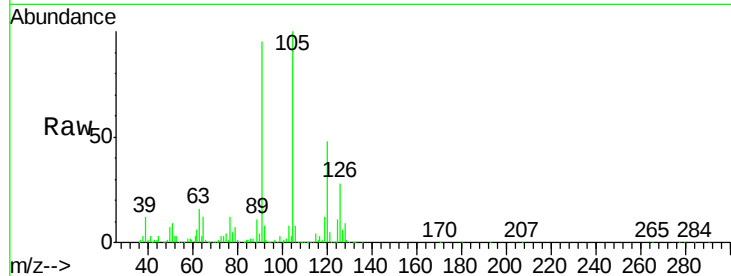
91 100

126 30.2 15.0 45.0

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

800000

600000

400000

200000

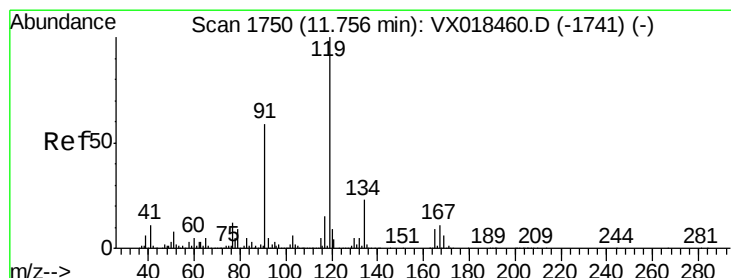
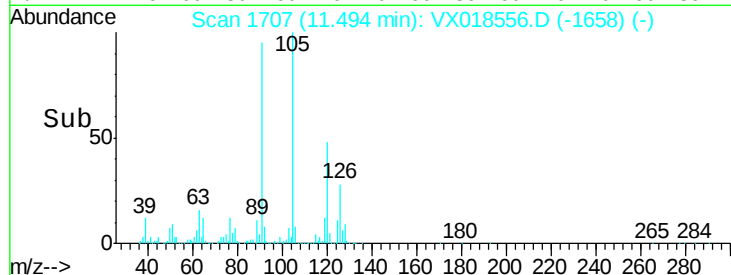
0

11.49

11.50

11.60

Time-->



#83

tert-Butylbenzene

Concen: 46.580 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX018556.D

Acq: 23 Sep 2020 23:37

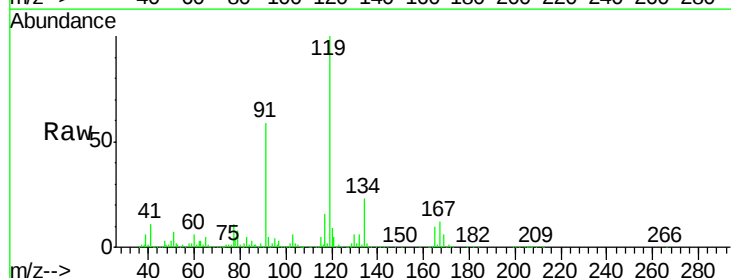
Tgt Ion: 119 Resp: 899274

Ion Ratio Lower Upper

119 100

91 58.6 28.9 86.7

134 22.5 11.3 33.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V

800000

600000

400000

200000

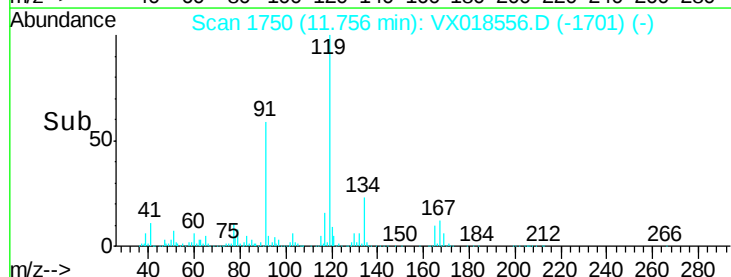
0

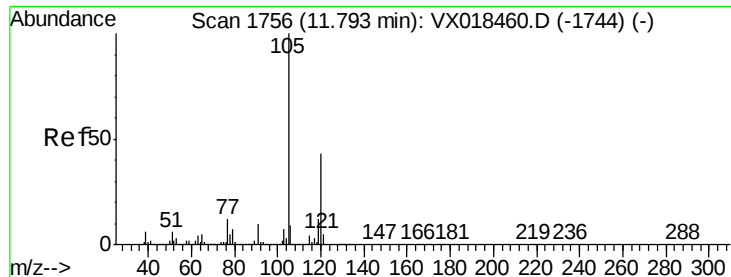
11.76

11.75

11.80

Time-->





#84

1,2,4-Trimethylbenzene

Concen: 46.652 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX018556.D

Acq: 23 Sep 2020 23:37

Instrument :

MSVOA_X

ClientSampleId :

RE109D3-20200917MSD

Tot Ion:105 Resp: 934224

Ion Ratio Lower Upper

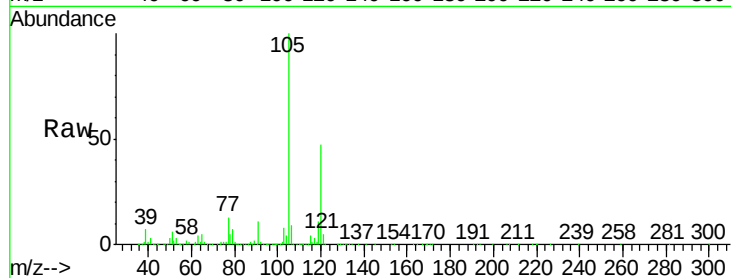
105 100

120 45.5 21.6 65.0

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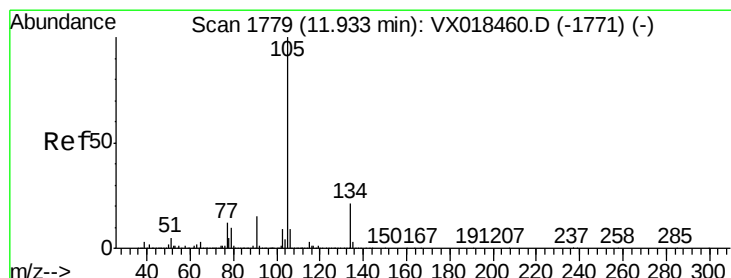
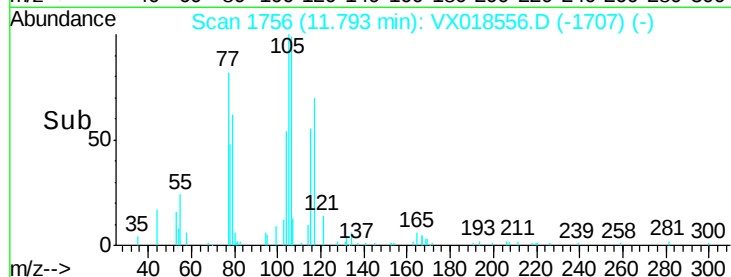
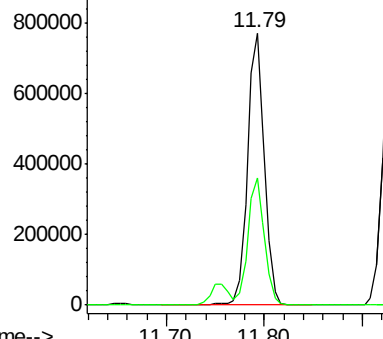
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 45.682 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VX018556.D

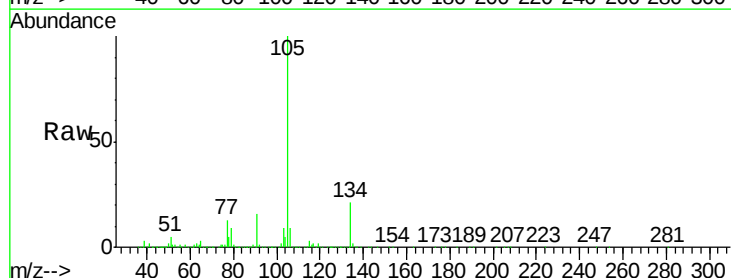
Acq: 23 Sep 2020 23:37

Tgt Ion:105 Resp: 1040616

Ion Ratio Lower Upper

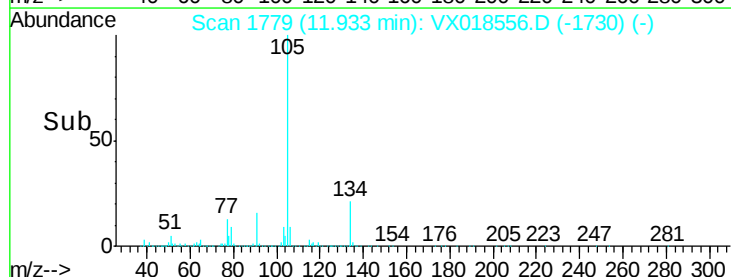
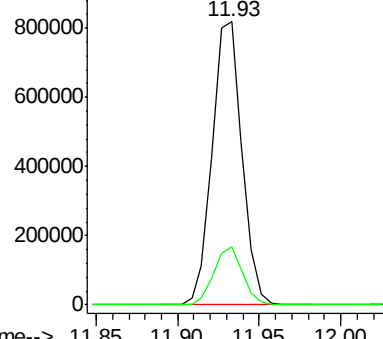
105 100

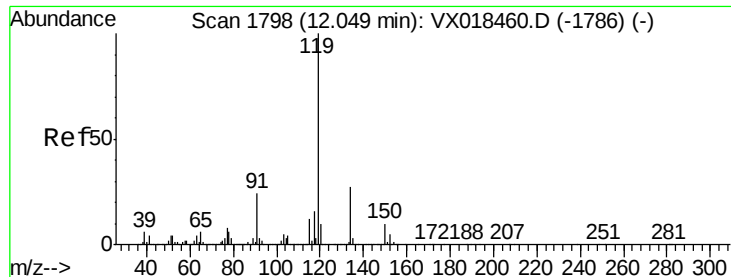
134 19.9 10.2 30.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





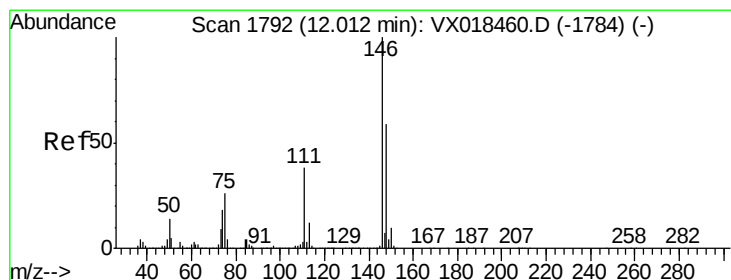
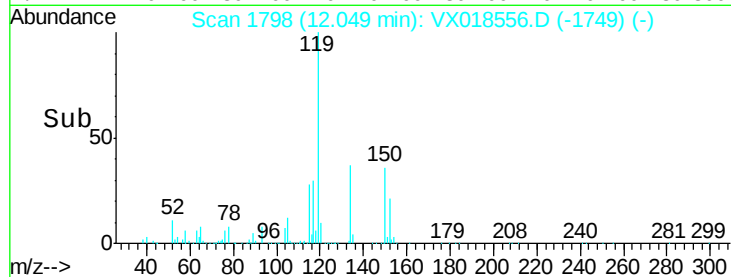
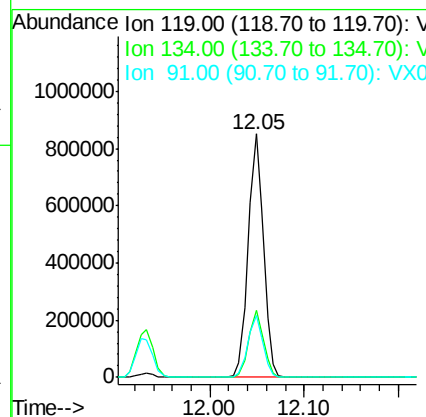
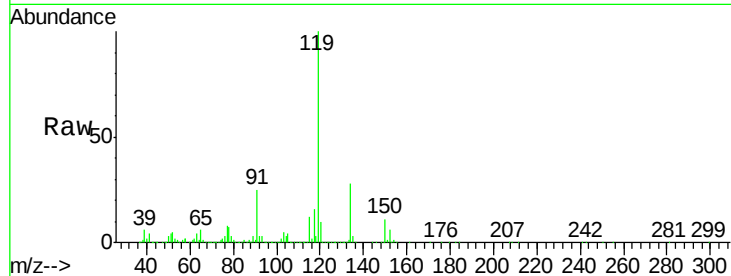
#86
p-Isopropyltoluene
Concen: 45.928 ug/l
RT: 12.05 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VX018556.D
Acq: 23 Sep 2020 23:37

Instrument :
MSVOA_X
ClientSampleId :
RE109D3-20200917MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	961526		
134	27.0		13.3	39.9
91	25.0		11.9	35.9

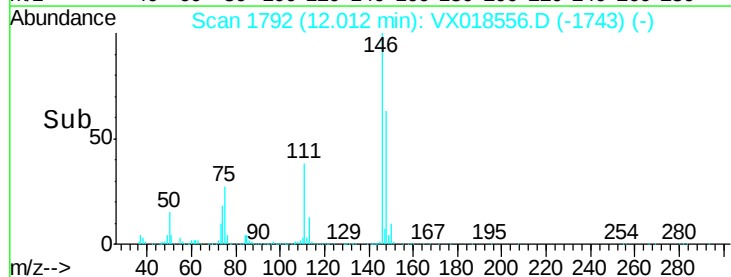
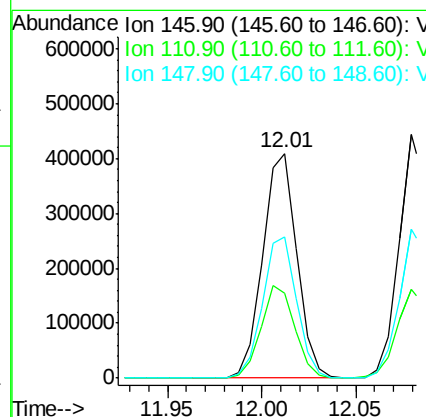
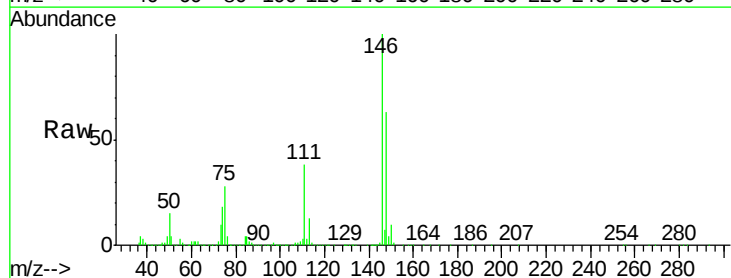
Manual Integrations
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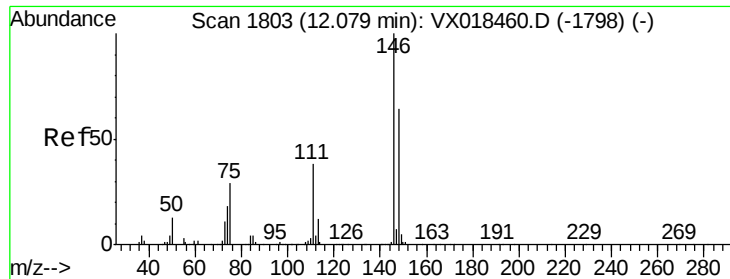
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#87
1,3-Dichlorobenzene
Concen: 44.507 ug/l
RT: 12.01 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX018556.D
Acq: 23 Sep 2020 23:37

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	513375		
111	41.0		20.4	61.2
148	62.7		31.1	93.2





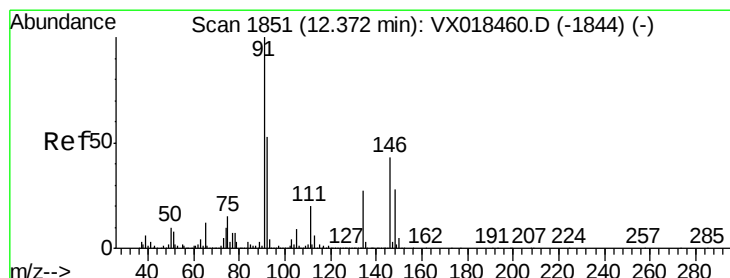
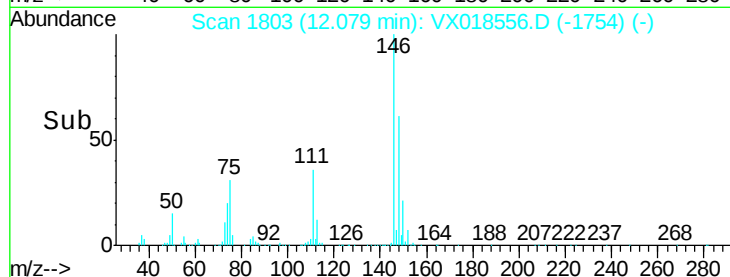
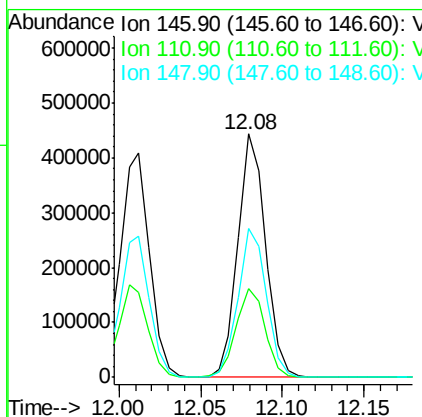
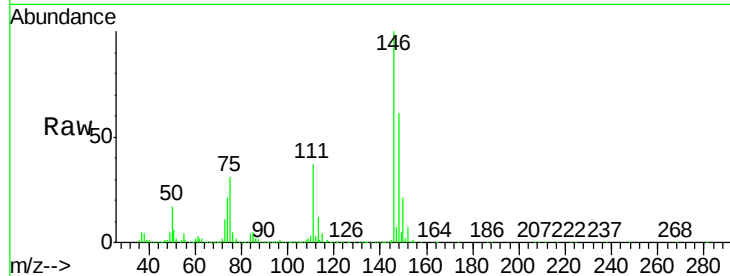
#88
 1,4-Dichlorobenzene
 Concen: 44.872 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VX018556.D
 Acq: 23 Sep 2020 23:37

Instrument :
 MSVOA_X
 ClientSampleId :
 RE109D3-20200917MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.4	58.4
148	63.0	31.8	95.4

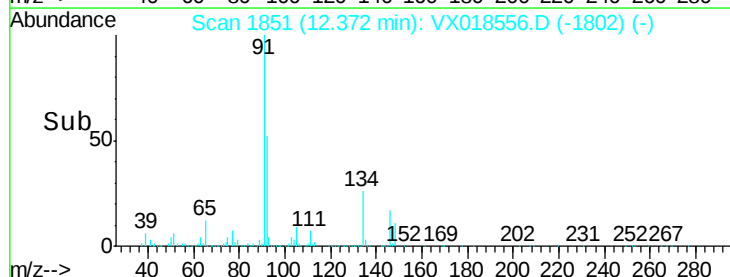
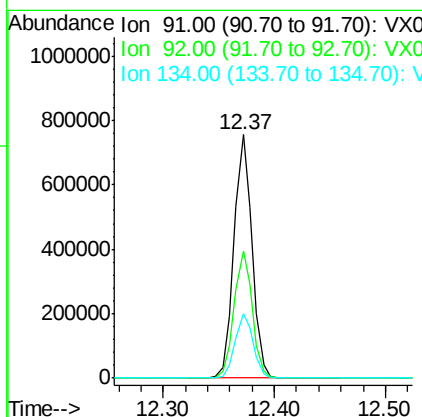
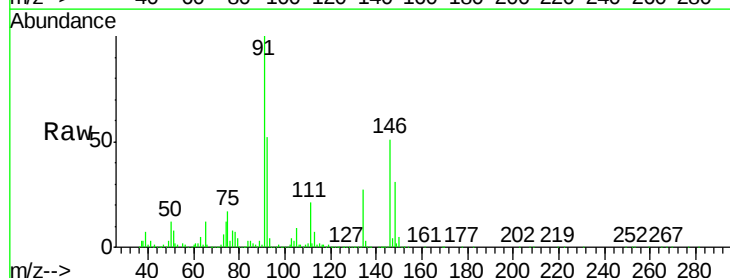
Manual Integrations
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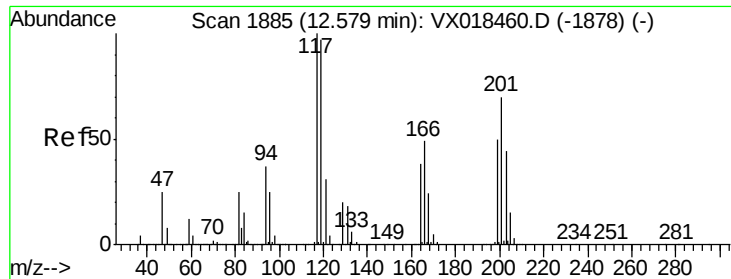
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#89
 n-Butylbenzene
 Concen: 43.575 ug/l
 RT: 12.37 min Scan# 1851
 Delta R.T. 0.00 min
 Lab File: VX018556.D
 Acq: 23 Sep 2020 23:37

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.1	78.2
134	26.4	13.3	39.8





#90

Hexachloroethane

Concen: 44.228 ug/l

RT: 12.58 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX018556.D

Acq: 23 Sep 2020 23:37

Instrument :

MSVOA_X

ClientSampleId :

RE109D3-20200917MSD

Tot Ion:117 Resp: 184853

Ion Ratio Lower Upper

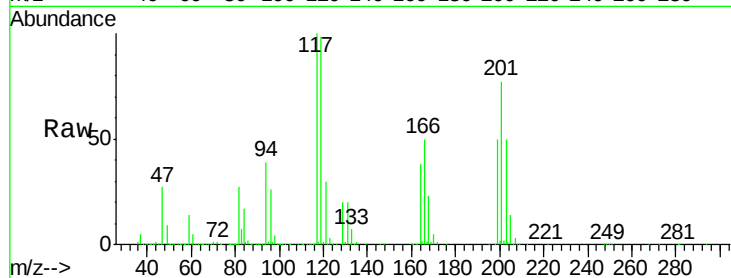
117 100

201 78.4 36.2 108.6

Manual Integrations
APPROVED

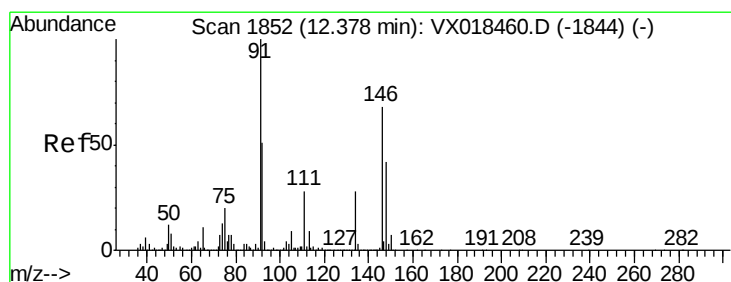
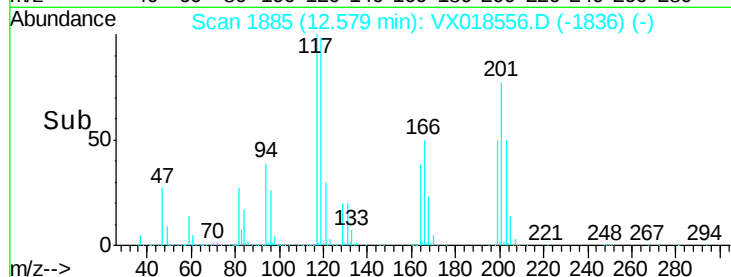
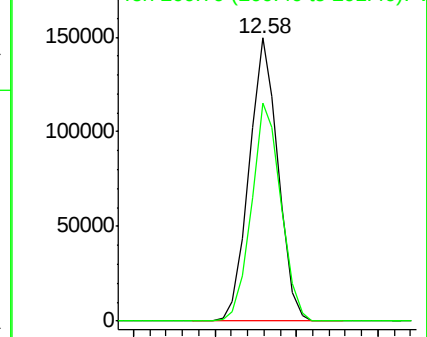
MMDadoda

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Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 47.487 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. 0.00 min

Lab File: VX018556.D

Acq: 23 Sep 2020 23:37

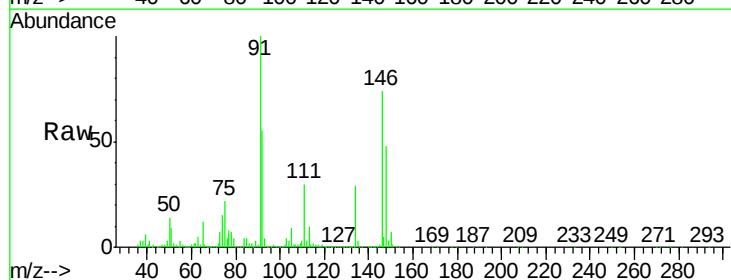
Tgt Ion:146 Resp: 512667

Ion Ratio Lower Upper

146 100

111 41.1 21.5 64.5

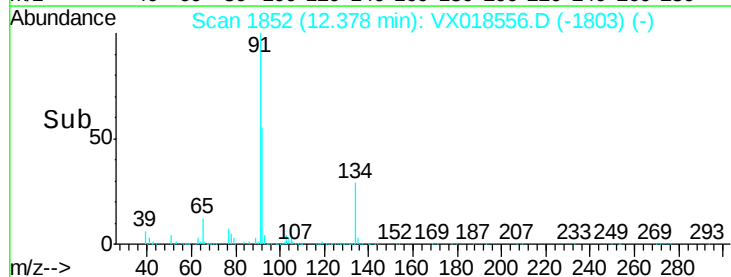
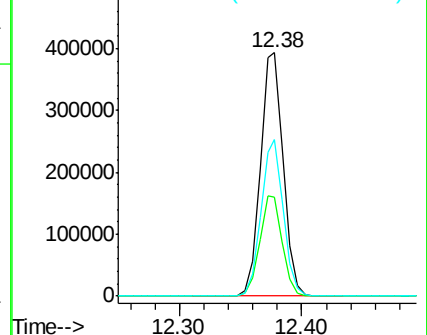
148 63.0 32.1 96.5

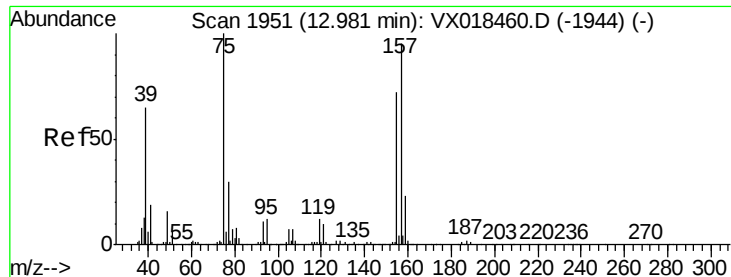


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





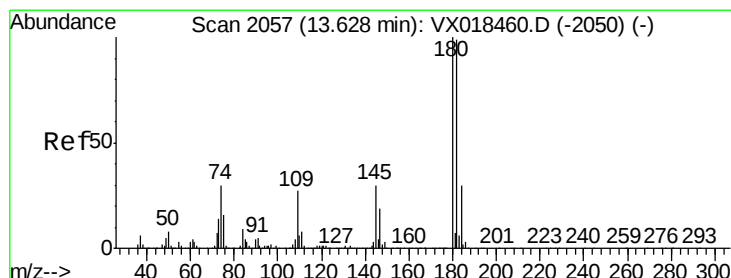
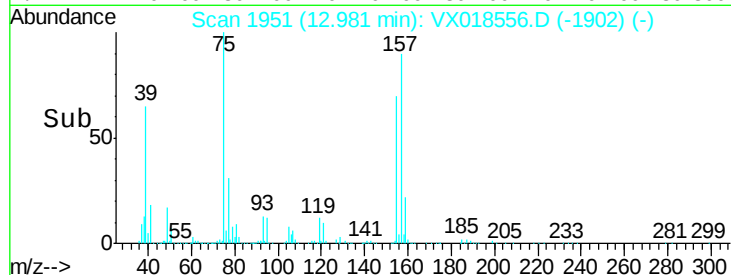
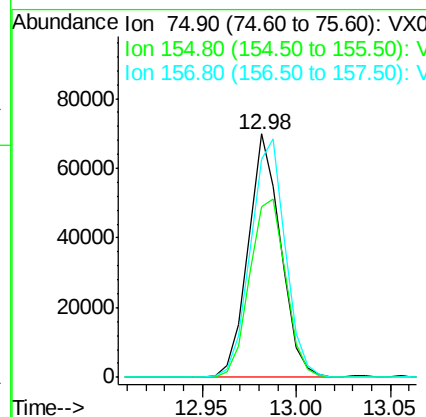
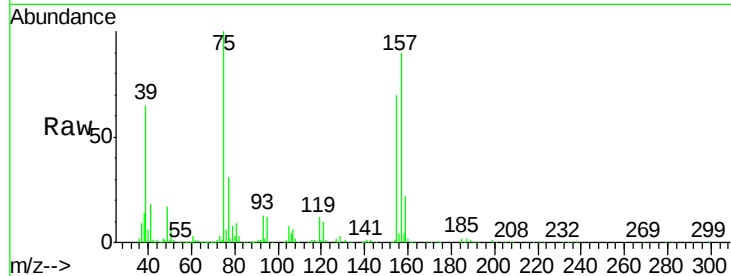
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.772 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX018556.D
 Acq: 23 Sep 2020 23:37

Instrument :
 MSVOA_X
 ClientSampleId :
 RE109D3-20200917MSD

Tot Ion	Ratio	Lower	Upper
75	100		
155	81.1	38.8	116.4
157	104.5	51.1	153.3

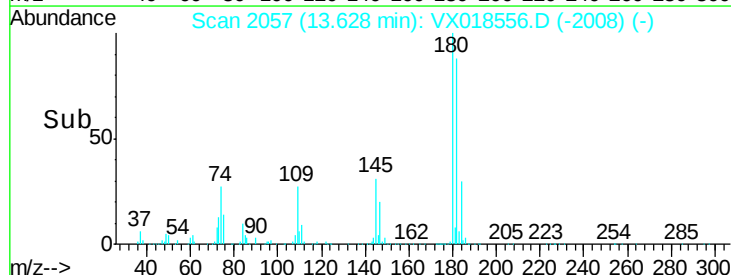
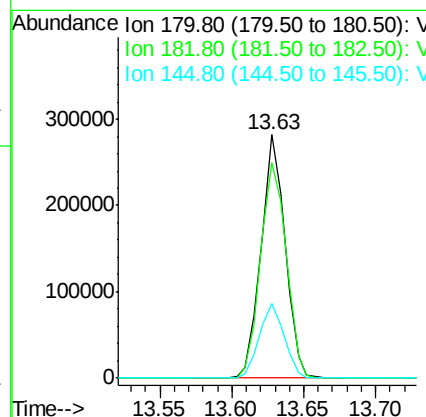
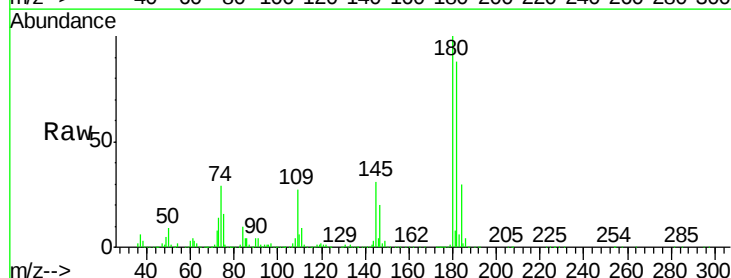
Manual Integrations
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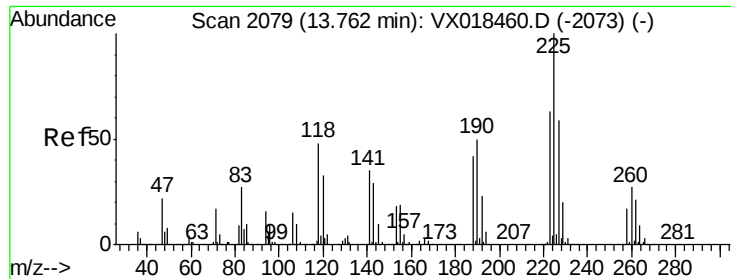
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#93
 1,2,4-Trichlorobenzene
 Concen: 42.958 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX018556.D
 Acq: 23 Sep 2020 23:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	50.2	150.6
145	31.9	15.7	47.1





#94

Hexachlorobutadiene

Concen: 45.609 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. 0.01 min

Lab File: VX018556.D

Acq: 23 Sep 2020 23:37

Instrument :

MSVOA_X

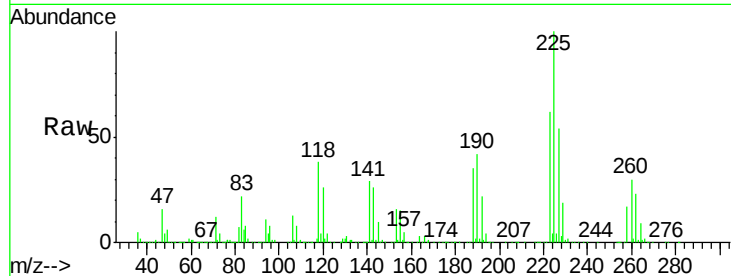
ClientSampleId :

RE109D3-20200917MSD

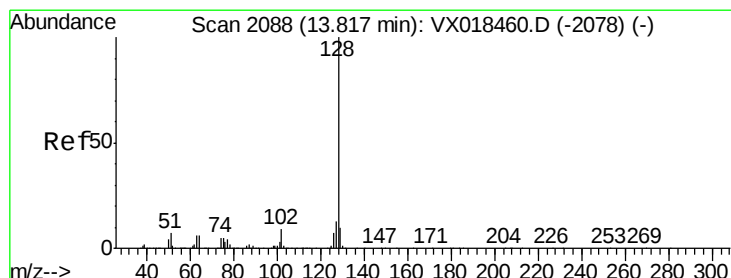
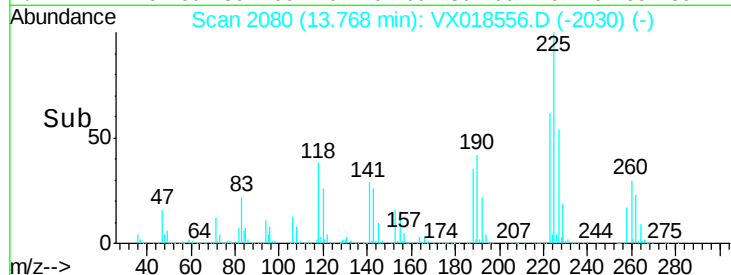
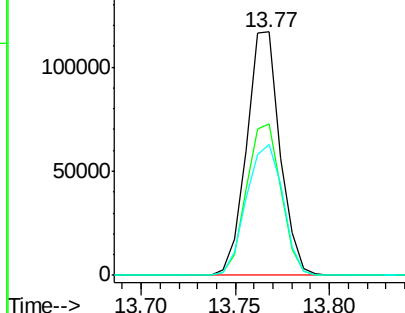
Tot Ion:	225	Resp:	143807
Ion Ratio		Lower	Upper
225	100		
223	64.4	32.0	96.2
227	58.9	31.7	95.1

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Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 46.242 ug/l

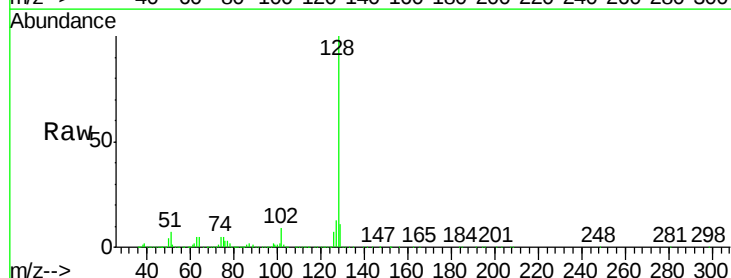
RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

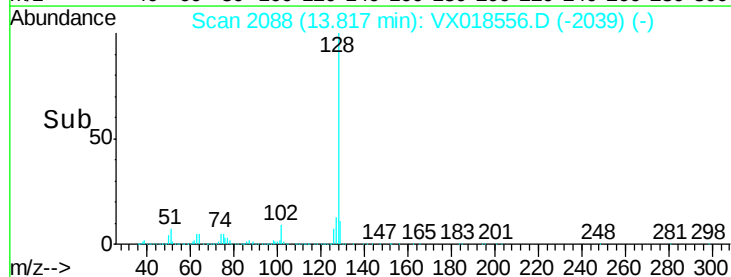
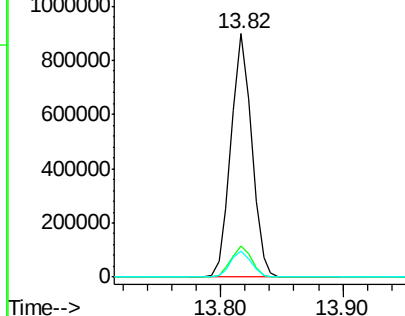
Lab File: VX018556.D

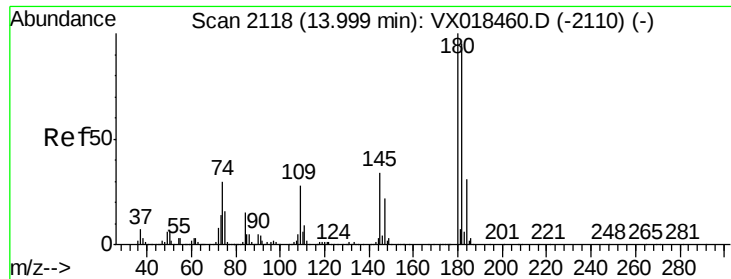
Acq: 23 Sep 2020 23:37

Tgt Ion:	128	Resp:	1049317
Ion Ratio		Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.8	8.7	13.1



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: 45.705 ug/l
 RT: 14.00 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VX018556.D
 Acq: 23 Sep 2020 23:37

Instrument :
 MSVOA_X
 ClientSampleId :
 RE109D3-20200917MSD

Tot Ion	Ratio	Resp	Lower	Upper
180	100	328200		
182	93.8		47.1	141.3
145	32.1		16.8	50.4

Manual Integrations
 APPROVED

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