

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091119\
 Data File : VX012317.D
 Acq On : 11 Sep 2019 23:02
 Operator : SY/SP
 Sample : VX0911SBS02
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0911SBS02

Manual Integrations
 APPROVED

MMDadoda
 9/12/2019 9:26:46 AM

Quant Time: Sep 12 06:58:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 12:55:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	126570	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	235423	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	214477	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	108563	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	84288	47.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.20%	
35) Dibromofluoromethane	5.48	113	66091	43.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.58%	
50) Toluene-d8	8.71	98	249347	47.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.22%	
62) 4-Bromofluorobenzene	11.14	95	105632	43.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	21131	20.420	ug/l	95
3) Chloromethane	1.31	50	19383	20.780	ug/l	95
4) Vinyl Chloride	1.39	62	18965	20.505	ug/l	98
5) Bromomethane	1.62	94	9147	21.788	ug/l	97
6) Chloroethane	1.70	64	12622	20.409	ug/l	98
7) Trichlorofluoromethane	1.91	101	32674	19.520	ug/l	95
8) Diethyl Ether	2.17	74	11845	20.738	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.36	101	22358	19.819	ug/l	99
10) Methyl Iodide	2.50	142	15906	14.814	ug/l	99
11) Tert butyl alcohol	3.03	59	19823m	98.734	ug/l	
12) 1,1-Dichloroethene	2.36	96	19963	20.844	ug/l	97
13) Acrolein	2.28	56	6954	74.340	ug/l	90
14) Allyl chloride	2.72	41	37968	19.444	ug/l	98
15) Acrylonitrile	3.13	53	38826	109.967	ug/l	97
16) Acetone	2.43	43	36938	87.197	ug/l	96
17) Carbon Disulfide	2.55	76	38219	19.003	ug/l	99
18) Methyl Acetate	2.76	43	25380	28.505	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	76656	20.267	ug/l	98
20) Methylene Chloride	2.84	84	30393	21.494	ug/l	95
21) trans-1,2-Dichloroethene	3.15	96	23328	20.415	ug/l	94
22) Diisopropyl ether	3.84	45	88527	19.824	ug/l	91
23) Vinyl Acetate	3.80	43	250761	91.524	ug/l	100
24) 1,1-Dichloroethane	3.69	63	48720	20.368	ug/l	99
25) 2-Butanone	4.66	43	56135	103.660	ug/l	98
26) 2,2-Dichloropropane	4.57	77	37483	16.691	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	29827	20.219	ug/l	99
28) Bromochloromethane	5.00	49	21841	19.469	ug/l	97
29) Tetrahydrofuran	5.12	42	32270	110.446	ug/l	99
30) Chloroform	5.20	83	54787	20.312	ug/l	97
31) Cyclohexane	5.56	56	31629	19.035	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	44852	19.365	ug/l	99
36) 1,1-Dichloropropene	5.79	75	33394	19.453	ug/l	98
37) Ethyl Acetate	4.82	43	22714	21.405	ug/l	97
38) Carbon Tetrachloride	5.77	117	35054	17.405	ug/l	99

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Quant Time: Sep 12 06:58:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 12:55:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	33561	17.815	ug/l	97
40) Benzene	6.13	78	101735	19.581	ug/l	98
41) Methacrylonitrile	5.03	41	13018	19.900	ug/l	97
42) 1,2-Dichloroethane	6.18	62	40042	19.500	ug/l	100
43) Isopropyl Acetate	6.44	43	43144	19.284	ug/l	99
44) Trichloroethene	7.20	130	26652	18.955	ug/l	99
45) 1,2-Dichloropropane	7.50	63	28262	19.652	ug/l	92
46) Dibromomethane	7.65	93	15518	19.744	ug/l	98
47) Bromodichloromethane	7.89	83	38447	17.925	ug/l	99
48) Methyl methacrylate	7.76	41	21102	19.705	ug/l	99
49) 1,4-Dioxane	7.73	88	6349	439.372	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	119430	101.146	ug/l	100
52) Toluene	8.78	92	66328	19.328	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	36649	17.119	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	41835	17.623	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	23584	19.368	ug/l	97
56) Ethyl methacrylate	9.17	69	31858	19.323	ug/l	100
57) 1,3-Dichloropropane	9.37	76	41679	20.041	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	78630	93.052	ug/l	100
59) 2-Hexanone	9.49	43	82656	100.678	ug/l	100
60) Dibromochloromethane	9.57	129	25954	18.258	ug/l	97
61) 1,2-Dibromoethane	9.67	107	22176	19.565	ug/l	99
64) Tetrachloroethene	9.33	164	25239	22.251	ug/l	97
65) Chlorobenzene	10.14	112	77598	19.801	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	28620	19.373	ug/l	99
67) Ethyl Benzene	10.25	91	133958	19.219	ug/l	99
68) m/p-Xylenes	10.36	106	100978	39.356	ug/l	100
69) o-Xylene	10.70	106	48924	19.465	ug/l	98
70) Styrene	10.71	104	86561	19.419	ug/l	99
71) Bromoform	10.85	173	13879	18.118	ug/l #	99
73) Isopropylbenzene	11.01	105	133422	18.668	ug/l	99
74) N-amyl acetate	10.89	43	37176	17.494	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	30831	20.086	ug/l	97
76) 1,2,3-Trichloropropane	11.29	75	26560m	19.044	ug/l	
77) Bromobenzene	11.25	156	32001	19.448	ug/l	100
78) n-propylbenzene	11.35	91	160124	18.553	ug/l	98
79) 2-Chlorotoluene	11.42	91	100309	18.759	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	121882	18.963	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	7408	15.915	ug/l	91
82) 4-Chlorotoluene	11.51	91	124149	19.319	ug/l	99
83) tert-Butylbenzene	11.76	119	115528	18.511	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	126257	19.003	ug/l	99
85) sec-Butylbenzene	11.94	105	138394	18.585	ug/l	100
86) p-Isopropyltoluene	12.06	119	128723	18.709	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	65161	19.440	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	66526	19.627	ug/l	99
89) n-Butylbenzene	12.39	91	127544	18.913	ug/l	99
90) Hexachloroethane	12.59	117	21723	17.141	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	61283	19.764	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	6042	19.285	ug/l	96

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MSVOA_X
ClientSampleId :
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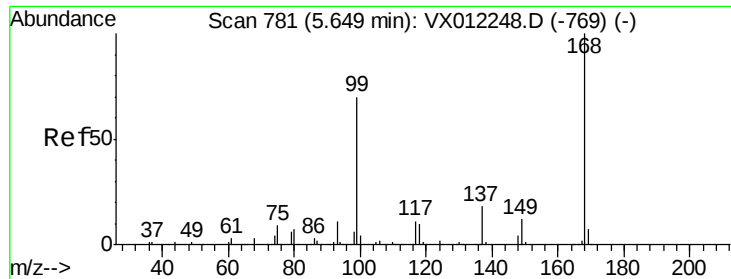
Manual Integrations
APPROVED

MMDadoda
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Quant Time: Sep 12 06:58:56 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 10 12:55:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	42346	19.776	ug/l	99
94) Hexachlorobutadiene	13.78	225	22148	20.791	ug/l	95
95) Naphthalene	13.83	128	92751	20.184	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	38170	20.147	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX012317.D

Acq: 11 Sep 2019 23:02

Instrument :

MSVOA_X

ClientSampleId :

VX0911SBS02

Tot Ion:168 Resp: 126570

Ion Ratio Lower Upper

168 100

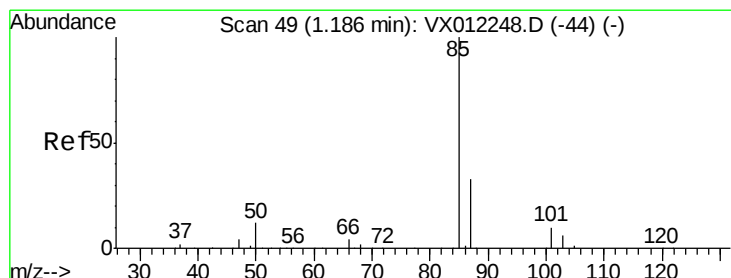
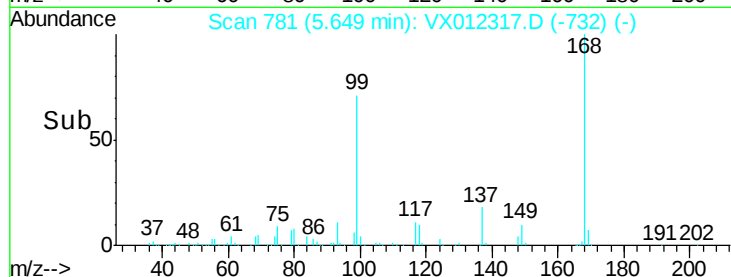
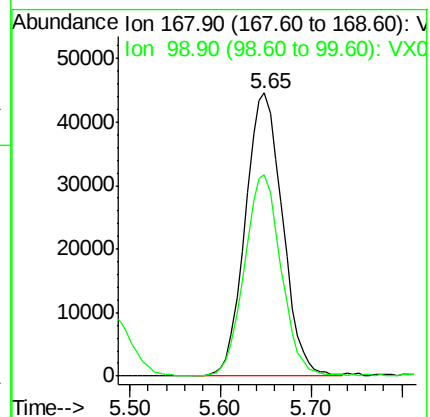
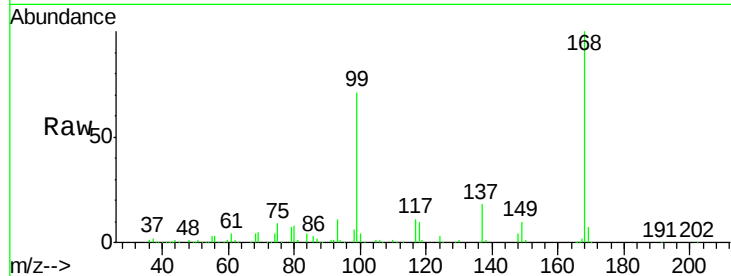
99 70.8 55.8 83.6

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 20.420 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX012317.D

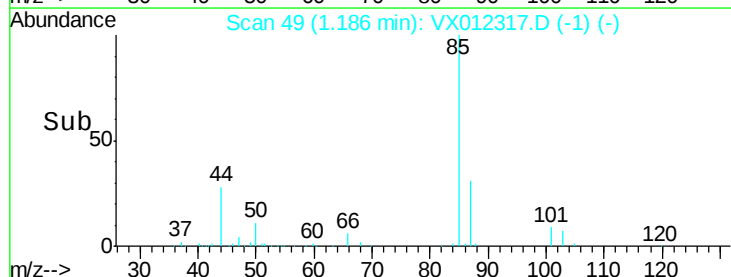
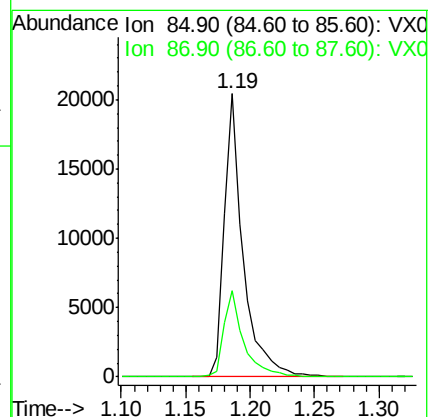
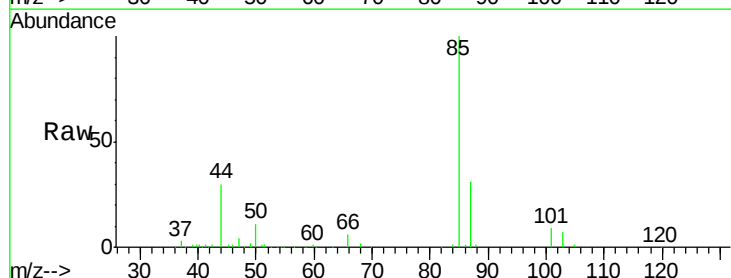
Acq: 11 Sep 2019 23:02

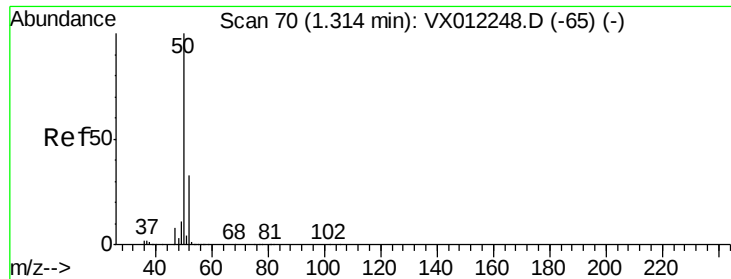
Tgt Ion: 85 Resp: 21131

Ion Ratio Lower Upper

85 100

87 30.5 16.7 50.0





#3

Chloromethane

Concen: 20.780 ug/l

RT: 1.31 min Scan# 70

Delta R.T. 0.00 min

Lab File: VX012317.D

Acq: 11 Sep 2019 23:02

Instrument :

MSVOA_X

ClientSampleId :

VX0911SBS02

Tot Ion: 50 Resp: 19383

Ion Ratio Lower Upper

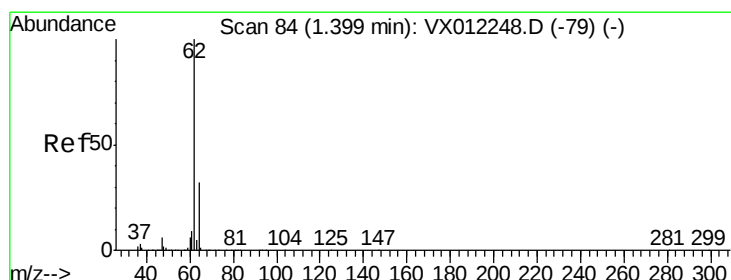
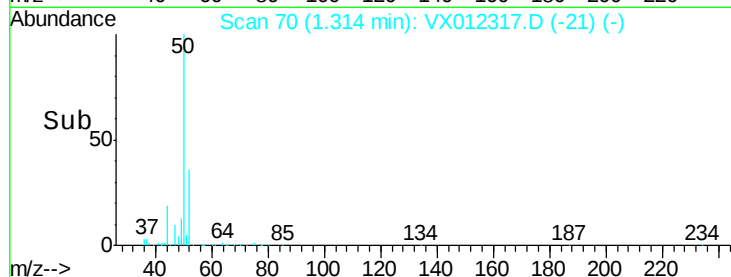
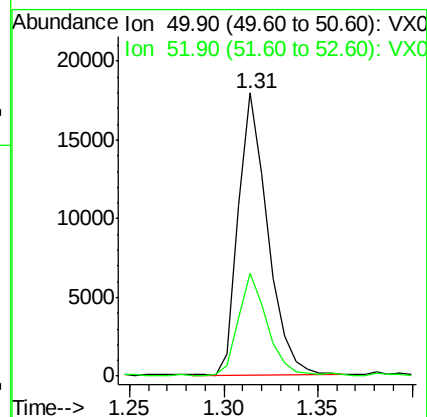
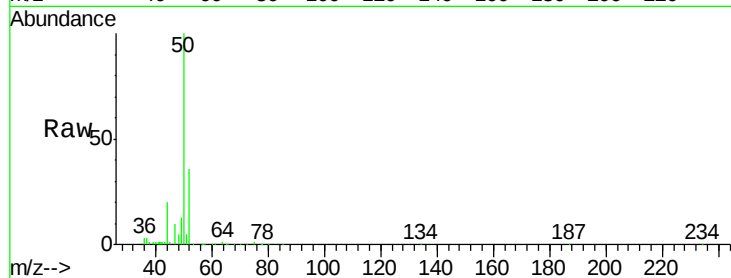
50 100

52 36.1 26.7 40.1

Manual Integrations
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#4

Vinyl Chloride

Concen: 20.505 ug/l

RT: 1.39 min Scan# 83

Delta R.T. -0.01 min

Lab File: VX012317.D

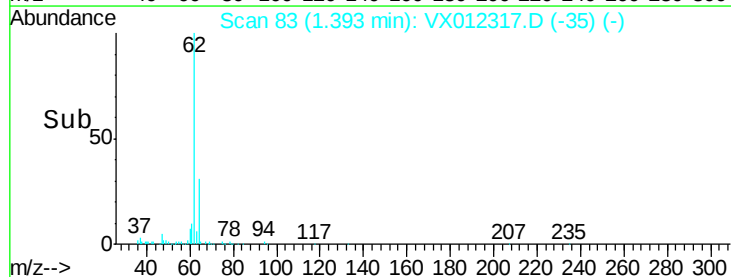
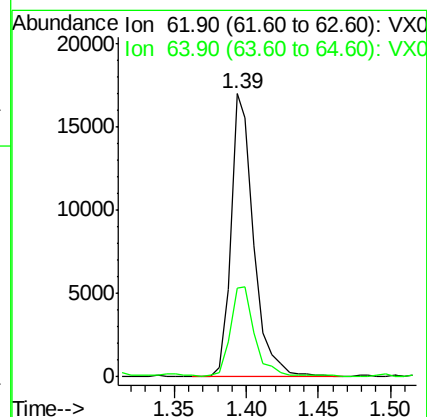
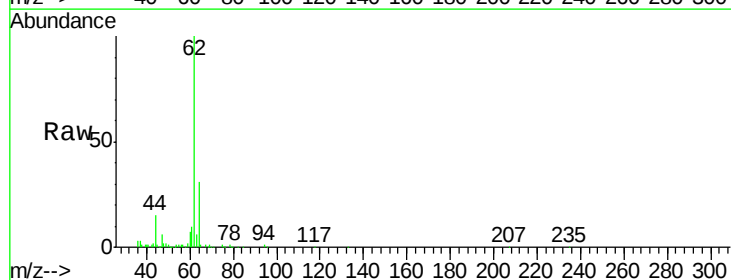
Acq: 11 Sep 2019 23:02

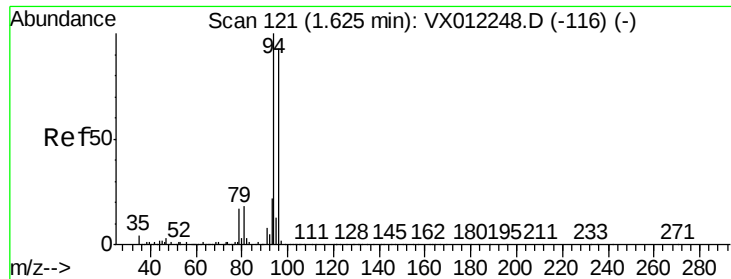
Tgt Ion: 62 Resp: 18965

Ion Ratio Lower Upper

62 100

64 30.9 25.5 38.3





#5

Bromomethane

Concen: 21.788 ug/l

RT: 1.62 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX012317.D

Acq: 11 Sep 2019 23:02

Instrument :

MSVOA_X

ClientSampleId :

VX0911SBS02

Tot Ion: 94 Resp: 9147

Ion Ratio Lower Upper

94 100

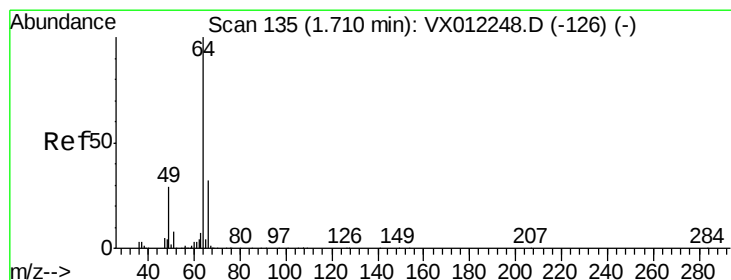
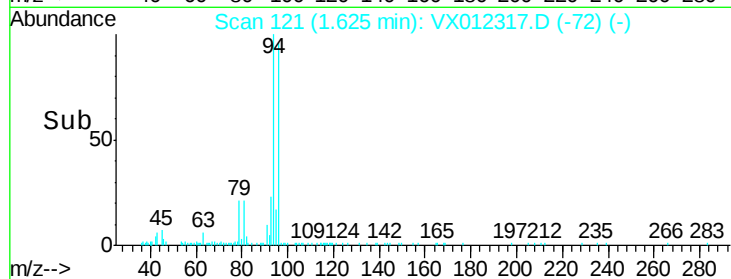
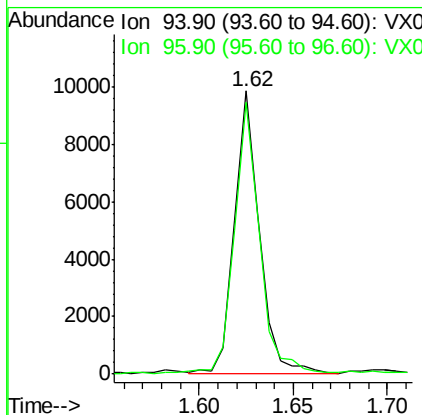
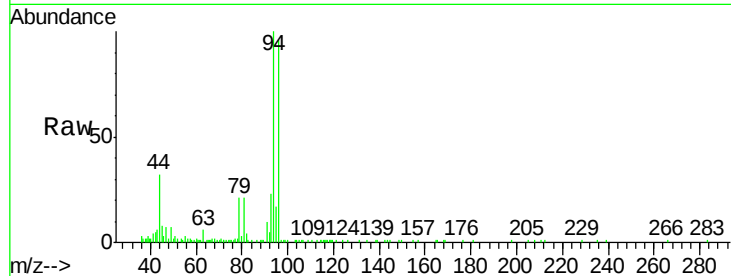
96 95.4 74.0 111.0

Manual Integrations

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#6

Chloroethane

Concen: 20.409 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX012317.D

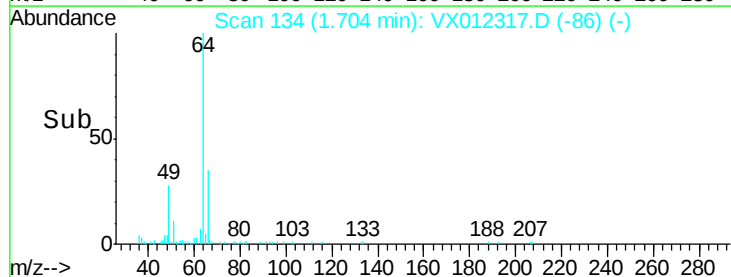
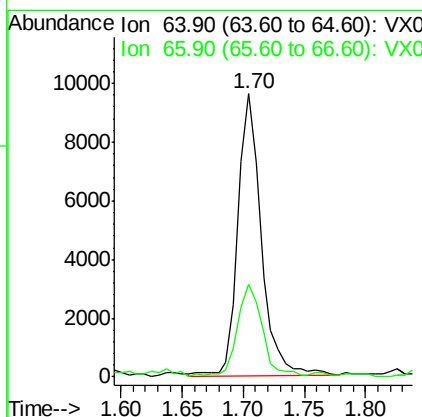
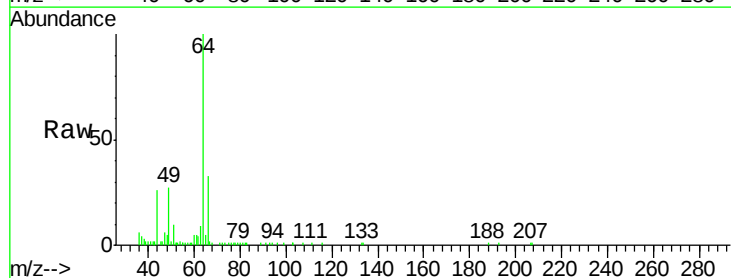
Acq: 11 Sep 2019 23:02

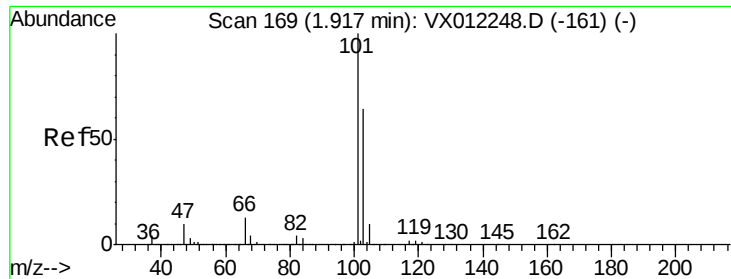
Tgt Ion: 64 Resp: 12622

Ion Ratio Lower Upper

64 100

66 33.1 25.8 38.6





#7

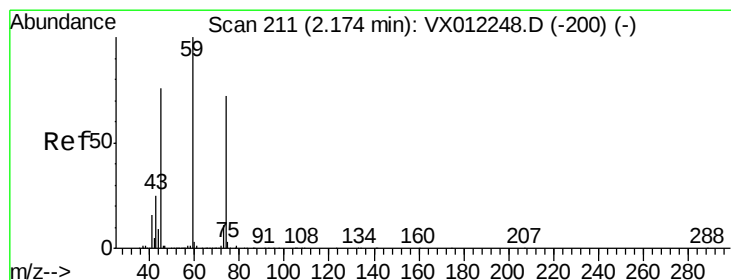
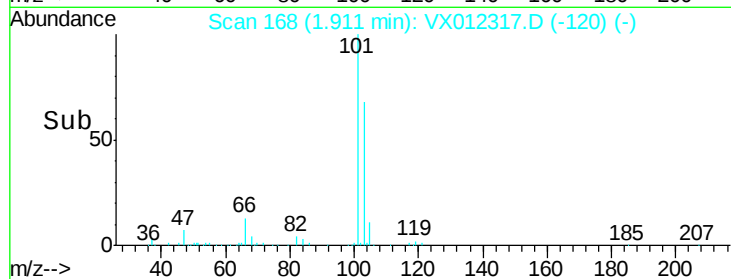
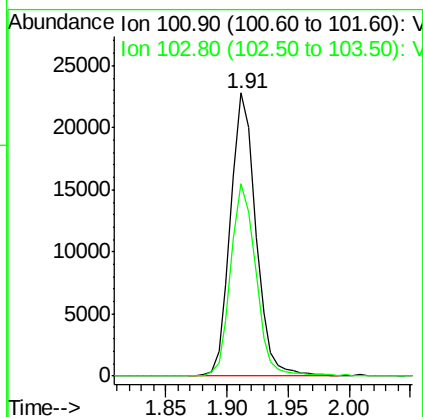
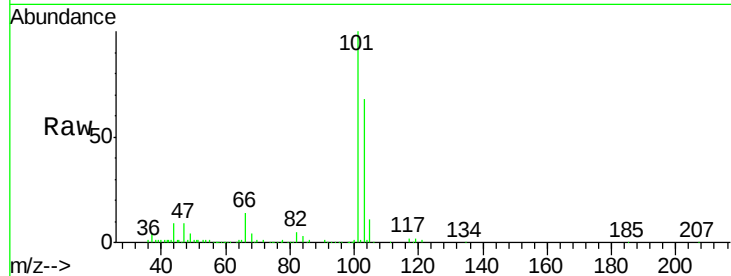
Trichlorofluoromethane
 Concen: 19.520 ug/l
 RT: 1.91 min Scan# 168
 Delta R.T. -0.01 min
 Lab File: VX012317.D
 Acq: 11 Sep 2019 23:02

Instrument :
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 ClientSampleId :
 VX0911SBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	68.2	51.4	77.2

Manual Integrations
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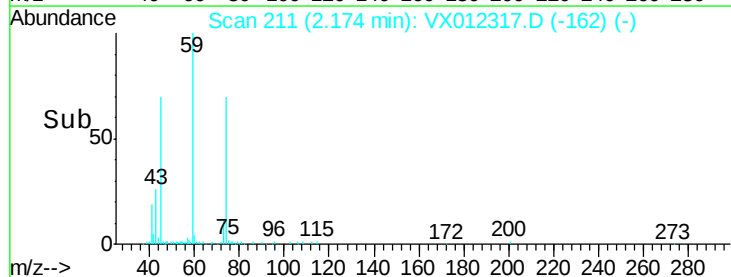
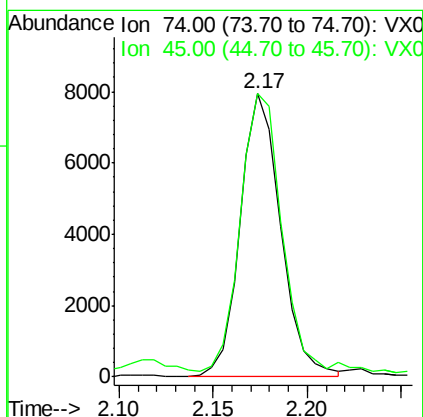
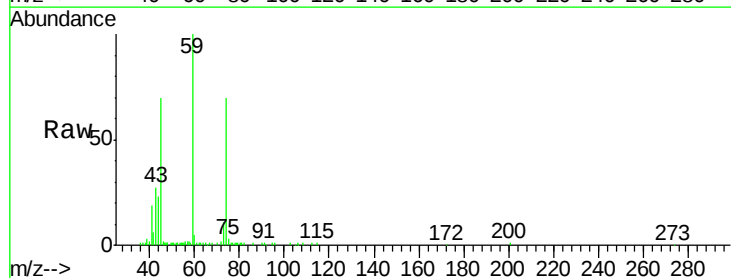
MMDadoda
 9/12/2019 9:26:46 AM

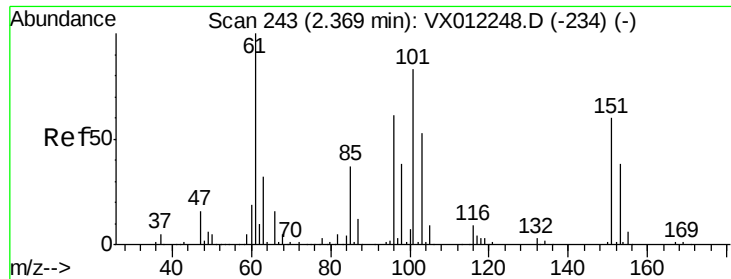


#8

Diethyl Ether
 Concen: 20.738 ug/l
 RT: 2.17 min Scan# 211
 Delta R.T. 0.00 min
 Lab File: VX012317.D
 Acq: 11 Sep 2019 23:02

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.6	51.3	153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.819 ug/l

RT: 2.36 min Scan# 242

Delta R.T. -0.01 min

Lab File: VX012317.D

Acq: 11 Sep 2019 23:02

Instrument :

MSVOA_X

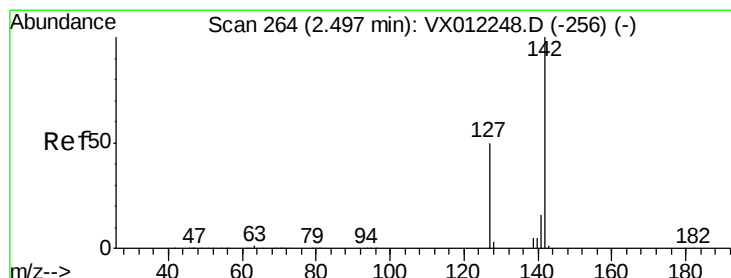
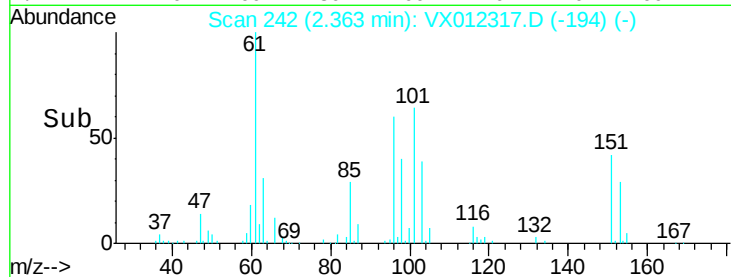
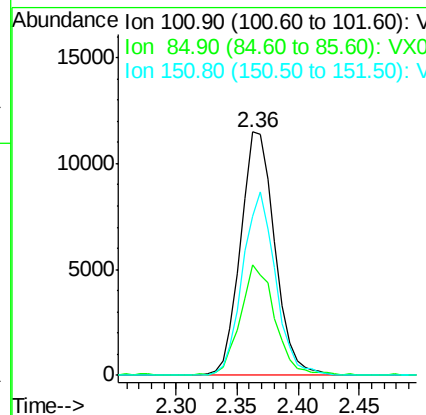
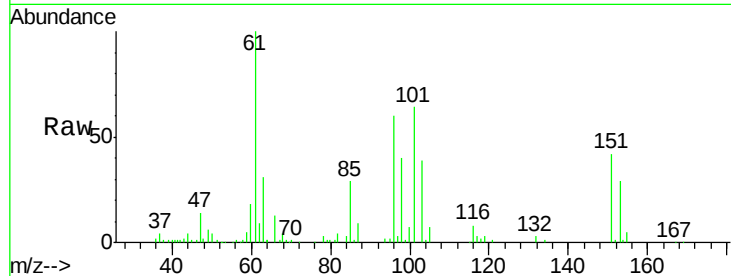
ClientSampleId :

VX0911SBS02

Tot Ion:	101	Resp:	22358
Ion Ratio	Lower	Upper	
101	100		
85	45.9	37.0	55.6
151	72.2	58.6	87.8

Manual Integrations
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#10

Methyl Iodide

Concen: 14.814 ug/l

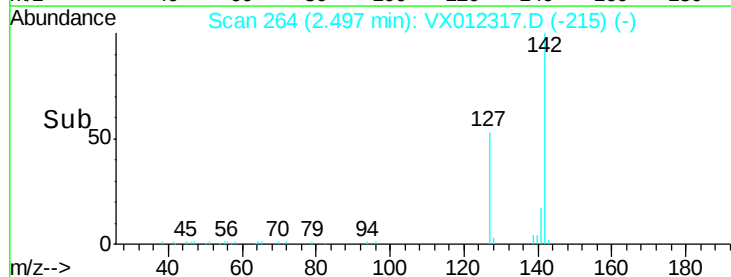
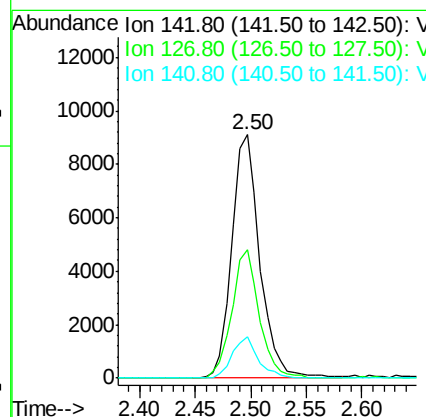
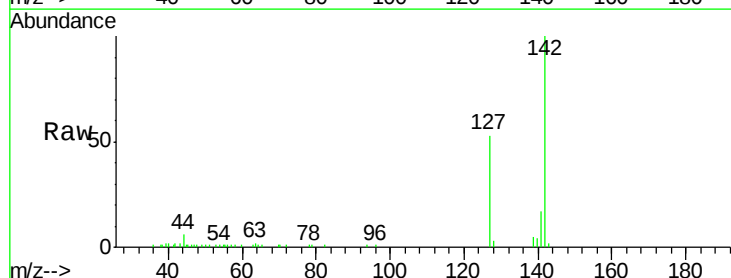
RT: 2.50 min Scan# 264

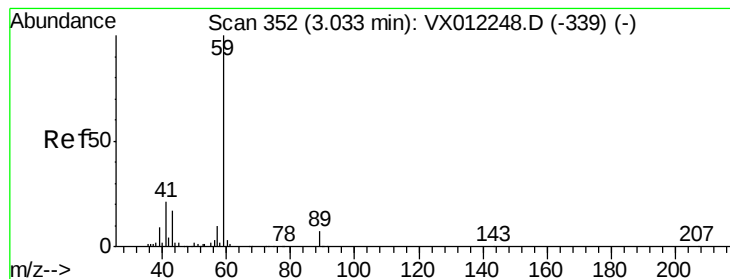
Delta R.T. 0.00 min

Lab File: VX012317.D

Acq: 11 Sep 2019 23:02

Tgt Ion:	142	Resp:	15906
Ion Ratio	Lower	Upper	
142	100		
127	51.3	40.6	61.0
141	15.6	12.0	18.0





#11

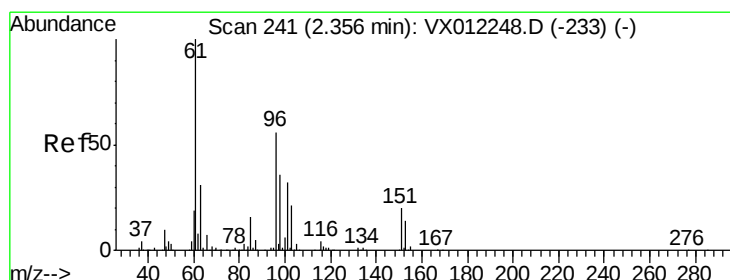
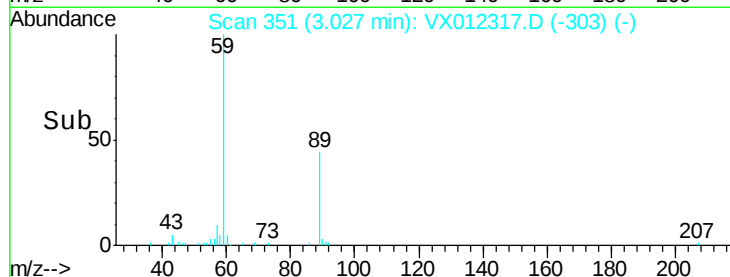
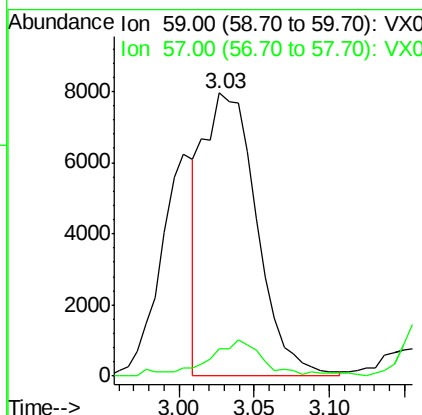
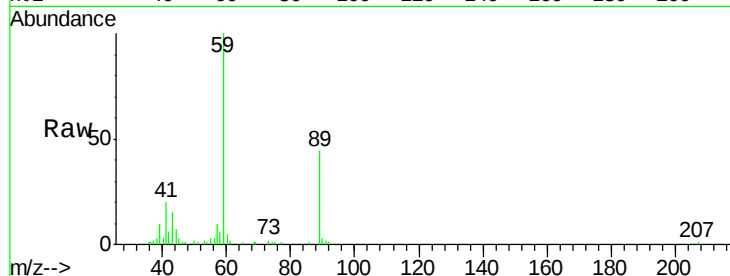
Tert butyl alcohol
 Concen: 98.734 ug/l m
 RT: 3.03 min Scan# 351
 Delta R.T. -0.01 min
 Lab File: VX012317.D
 Acq: 11 Sep 2019 23:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0911SBS02

Tot Ion	59	Resp	19823
Ion Ratio	100	Lower	Upper
57	13.4	7.8	11.6#

Manual Integrations
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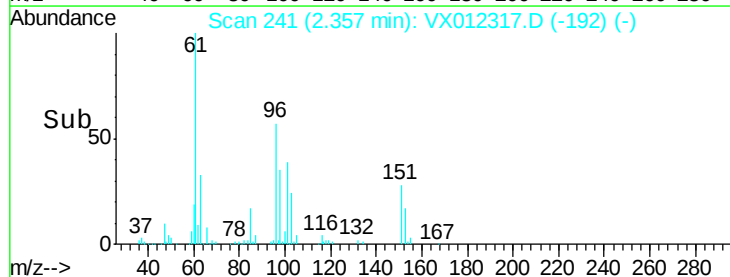
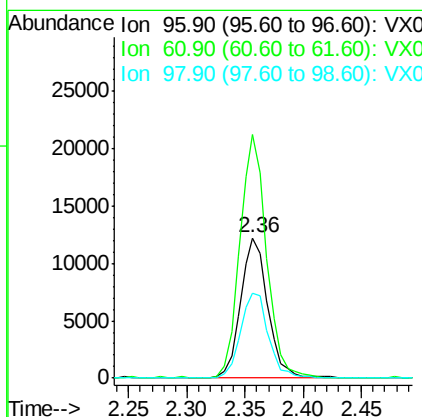
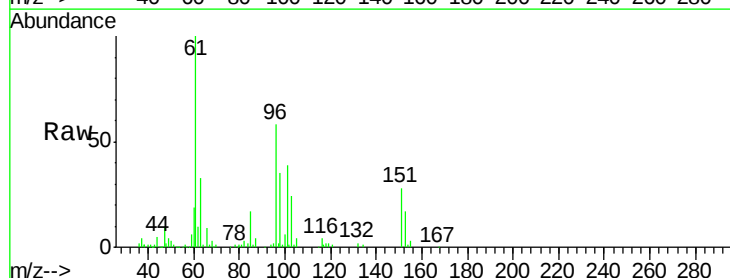
MMDadoda
 9/12/2019 9:26:46 AM

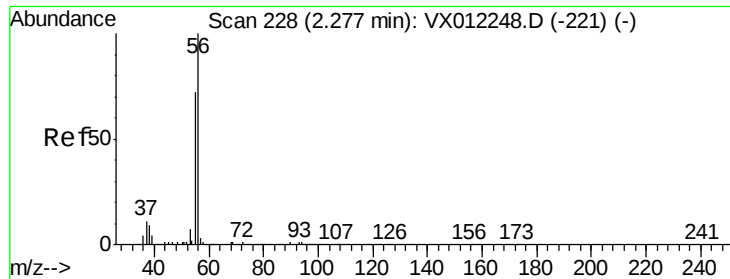


#12

1,1-Dichloroethene
 Concen: 20.844 ug/l
 RT: 2.36 min Scan# 241
 Delta R.T. 0.00 min
 Lab File: VX012317.D
 Acq: 11 Sep 2019 23:02

Tgt Ion	96	Resp	19963
Ion Ratio	100	Lower	Upper
61	173.6	142.2	213.2
98	60.3	51.3	76.9





#13

Acrolein

Concen: 74.340 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.01 min

Lab File: VX012317.D

Acq: 11 Sep 2019 23:02

Instrument :

MSVOA_X

ClientSampleId :

VX0911SBS02

Tot Ion: 56 Resp: 6954

Ion Ratio Lower Upper

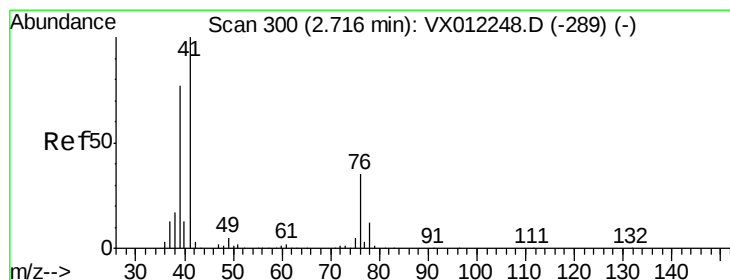
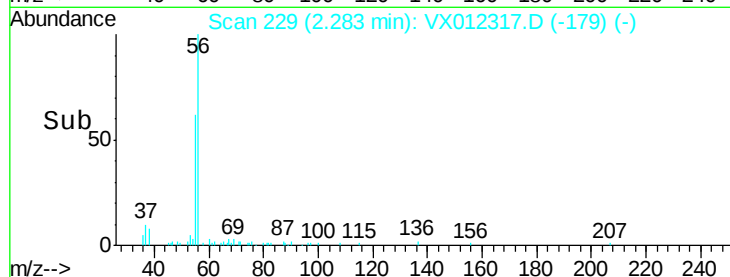
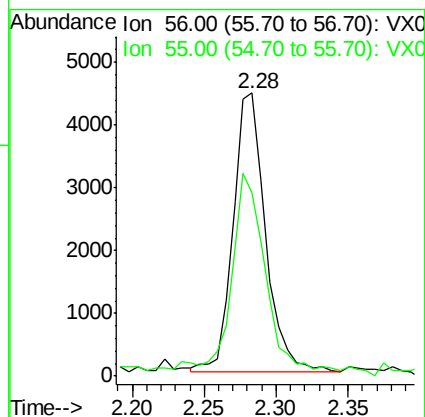
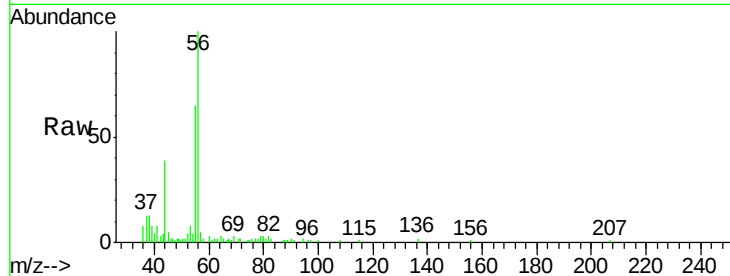
56 100

55 83.2 59.8 89.6

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#14

Allyl chloride

Concen: 19.444 ug/l

RT: 2.72 min Scan# 300

Delta R.T. 0.00 min

Lab File: VX012317.D

Acq: 11 Sep 2019 23:02

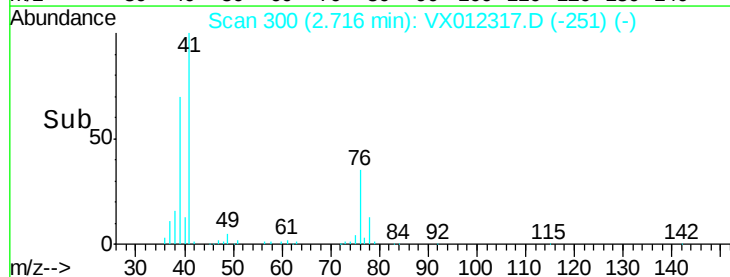
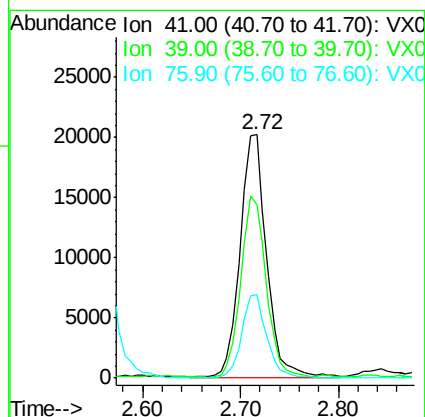
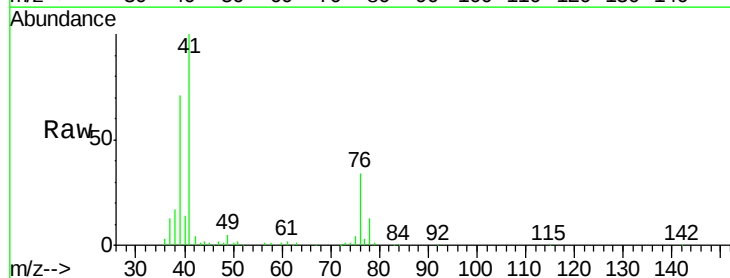
Tgt Ion: 41 Resp: 37968

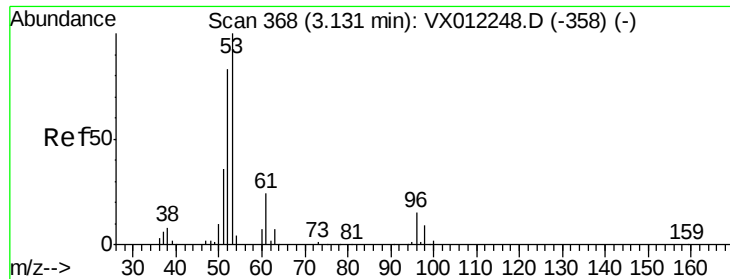
Ion Ratio Lower Upper

41 100

39 71.4 58.6 87.8

76 32.6 26.3 39.5





#15

Acrylonitrile

Concen: 109.967 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX012317.D

Acq: 11 Sep 2019 23:02

Instrument :

MSVOA_X

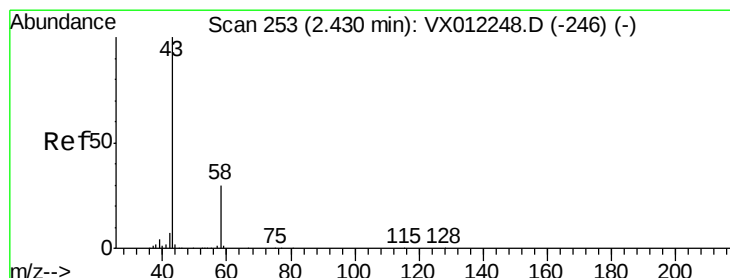
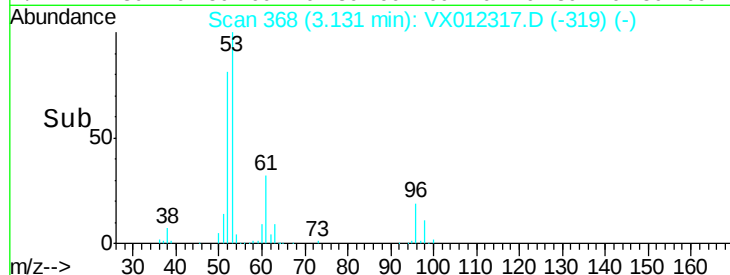
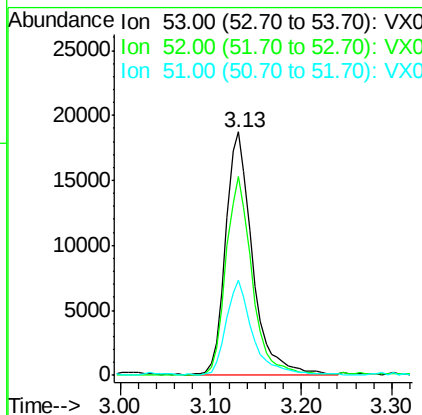
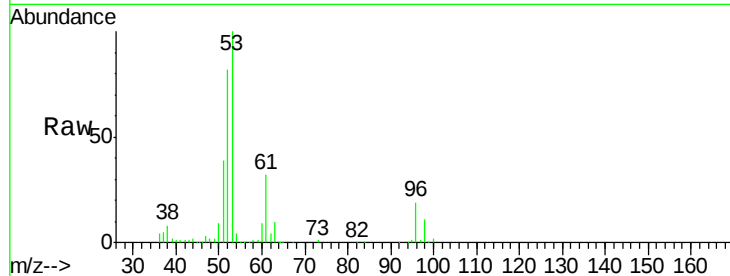
ClientSampleId :

VX0911SBS02

Tot Ion:	53	Resp:	38826
Ion Ratio	Lower	Upper	
53	100		
52	79.7	66.8	100.2
51	38.7	30.7	46.1

Manual Integrations
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#16

Acetone

Concen: 87.197 ug/l

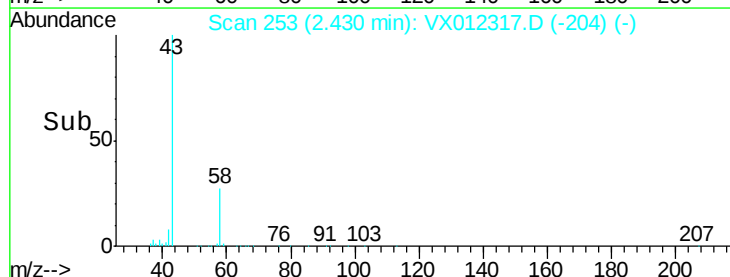
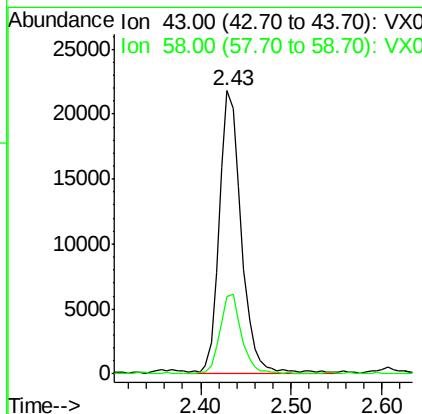
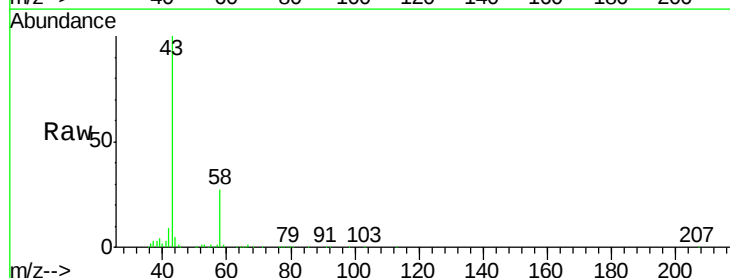
RT: 2.43 min Scan# 253

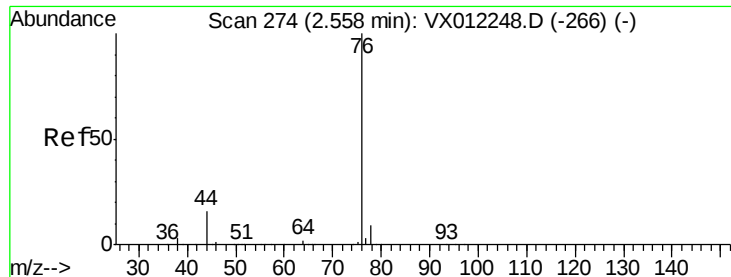
Delta R.T. 0.00 min

Lab File: VX012317.D

Acq: 11 Sep 2019 23:02

Tgt Ion:	43	Resp:	36938
Ion Ratio	Lower	Upper	
43	100		
58	27.2	23.6	35.4





#17

Carbon Disulfide

Concen: 19.003 ug/l

RT: 2.55 min Scan# 273

Delta R.T. -0.01 min

Lab File: VX012317.D

Acq: 11 Sep 2019 23:02

Instrument :

MSVOA_X

ClientSampleId :

VX0911SBS02

Tot Ion: 76 Resp: 38219

Ion Ratio Lower Upper

76 100

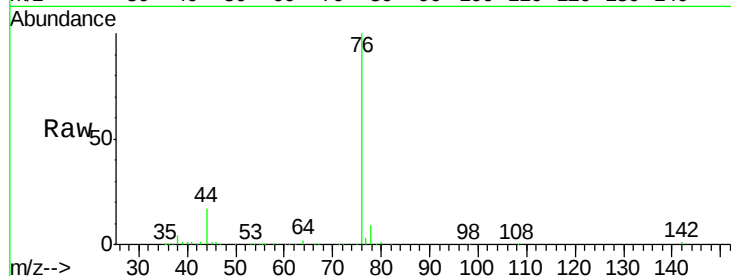
78 9.1 7.4 11.2

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

25000

20000

15000

10000

5000

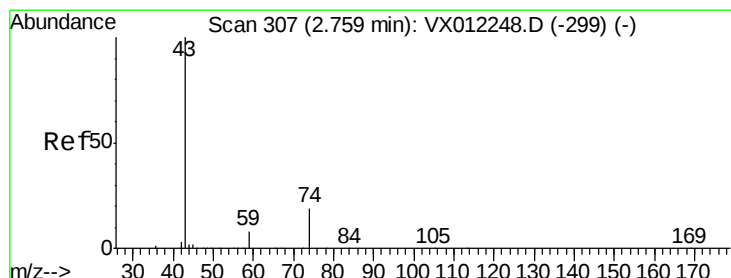
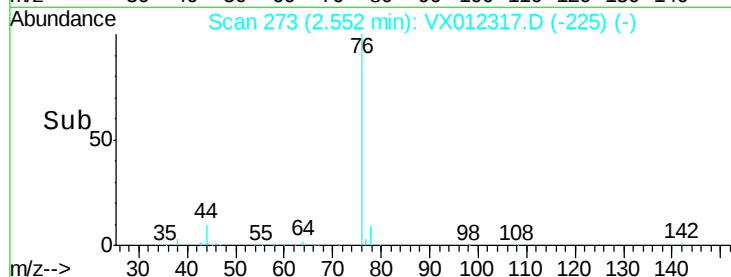
0

Time-->

2.50

2.60

2.70



#18

Methyl Acetate

Concen: 28.505 ug/l

RT: 2.76 min Scan# 307

Delta R.T. 0.00 min

Lab File: VX012317.D

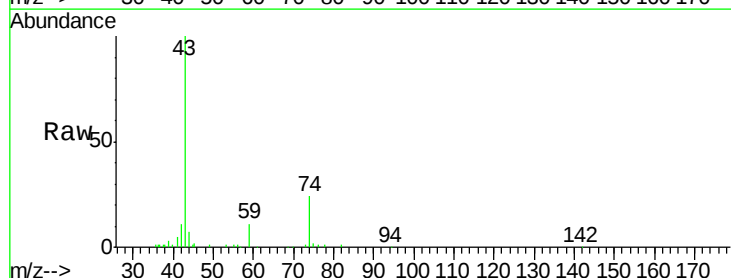
Acq: 11 Sep 2019 23:02

Tgt Ion: 43 Resp: 25380

Ion Ratio Lower Upper

43 100

74 23.7 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

15000

10000

5000

0

Time-->

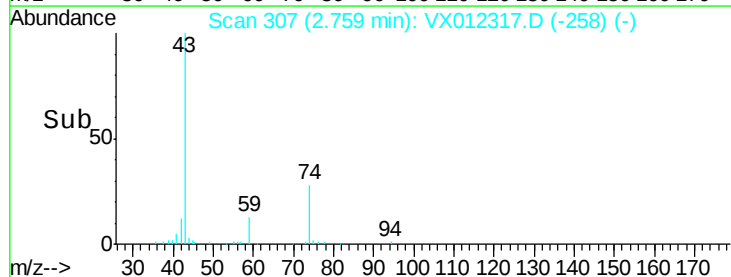
2.65

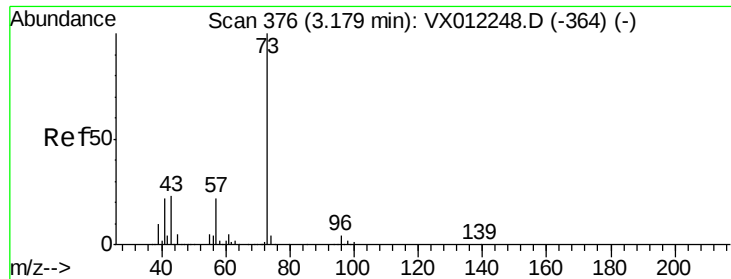
2.70

2.75

2.80

2.85





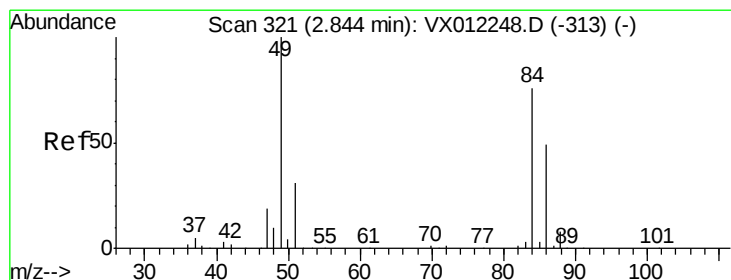
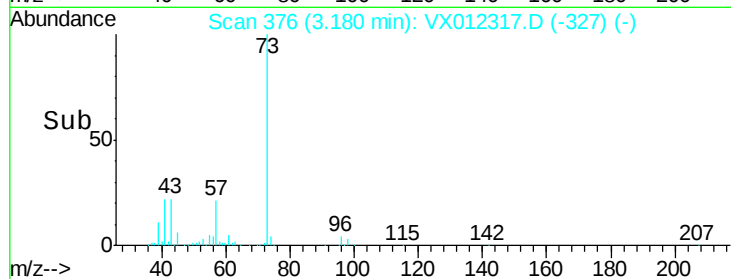
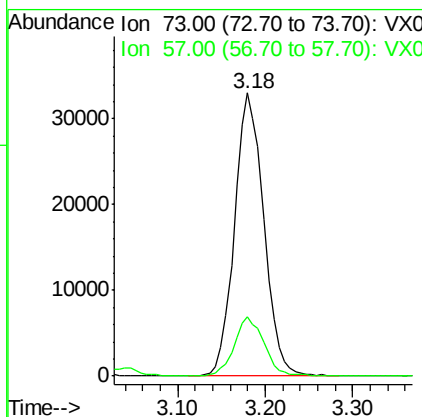
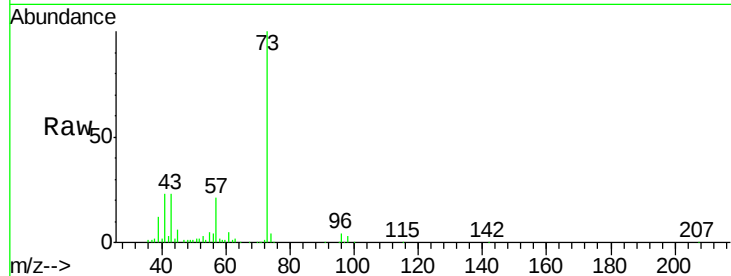
#19
Methvl tert-butvl Ether
Concen: 20.267 ug/l
RT: 3.18 min Scan# 376
Delta R.T. 0.00 min
Lab File: VX012317.D
Acq: 11 Sep 2019 23:02

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.1	17.7	26.5

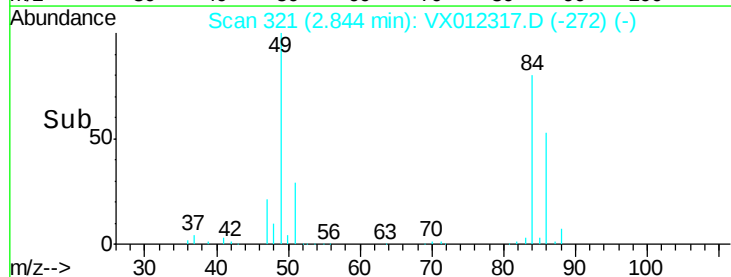
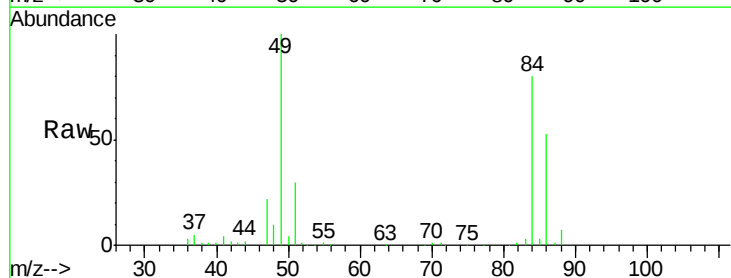
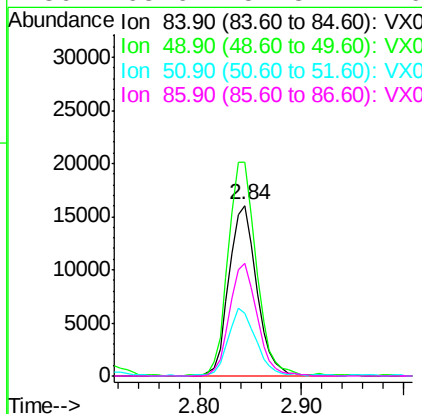
Manual Integrations
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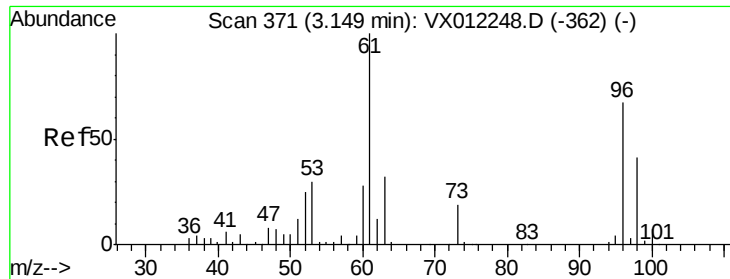
MMDadoda
9/12/2019 9:26:46 AM



#20
Methylene Chloride
Concen: 21.494 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012317.D
Acq: 11 Sep 2019 23:02

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.6	105.0	157.6
51	36.9	32.6	48.8
86	65.6	51.8	77.6





#21

trans-1,2-Dichloroethene

Concen: 20.415 ug/l

RT: 3.15 min Scan# 371

Delta R.T. 0.00 min

Lab File: VX012317.D

Acq: 11 Sep 2019 23:02

Instrument :

MSVOA_X

ClientSampleId :

VX0911SBS02

Tot Ion: 96 Resp: 23328

Ion Ratio Lower Upper

96 100

61 142.2 119.4 179.2

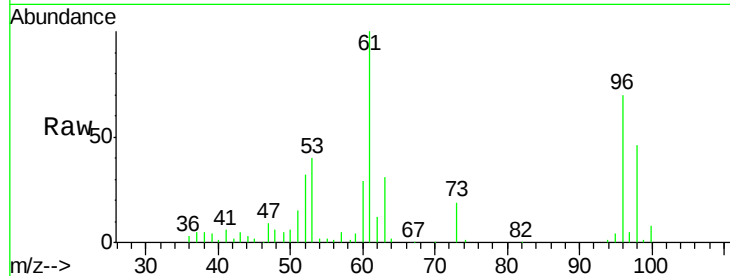
98 66.1 48.4 72.6

Manual Integrations

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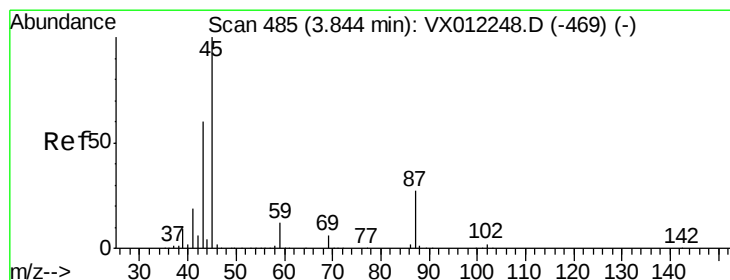
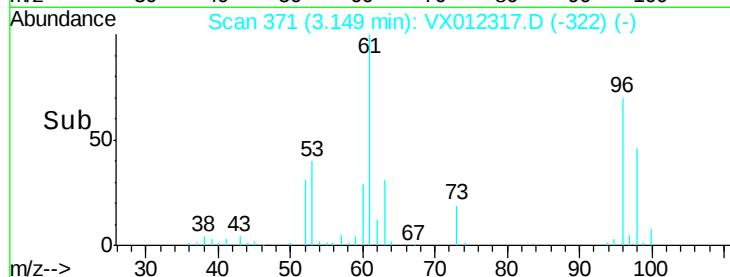
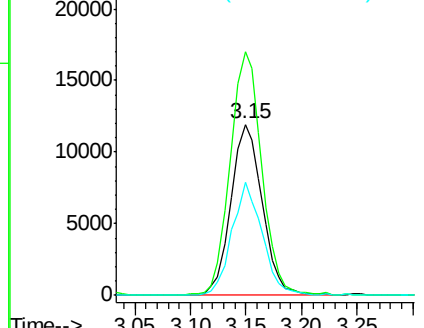
9/12/2019 9:26:46 AM



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 19.824 ug/l

RT: 3.84 min Scan# 484

Delta R.T. -0.01 min

Lab File: VX012317.D

Acq: 11 Sep 2019 23:02

Tgt Ion: 45 Resp: 88527

Ion Ratio Lower Upper

45 100

43 71.3 48.3 72.5

87 27.7 21.8 32.8

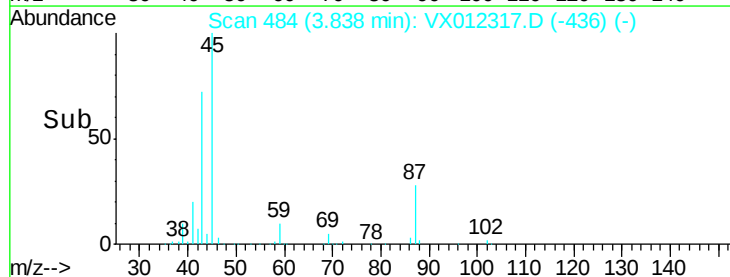
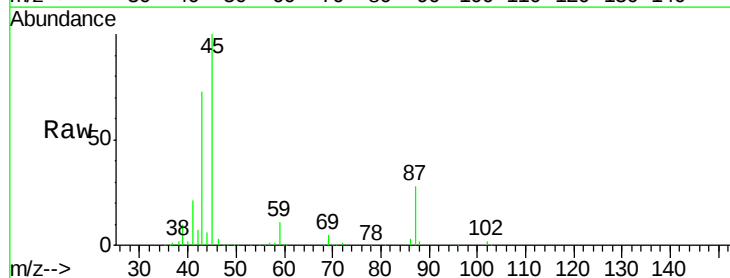
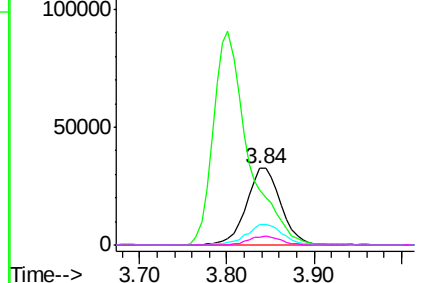
59 10.3 9.1 13.7

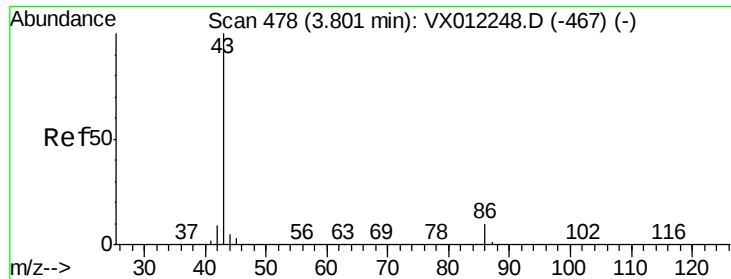
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 91.524 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX012317.D

Acq: 11 Sep 2019 23:02

Instrument :

MSVOA_X

ClientSampleId :

VX0911SBS02

Tot Ion: 43 Resp: 250761

Ion Ratio Lower Upper

43 100

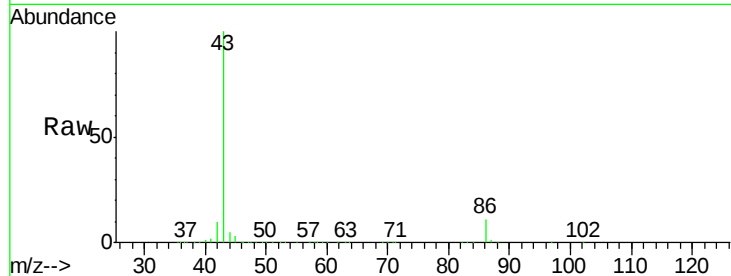
86 10.6 8.3 12.5

Manual Integrations

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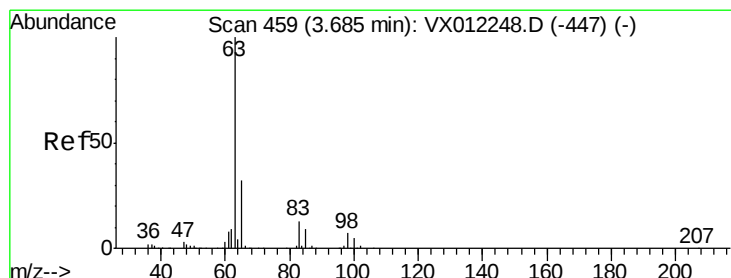
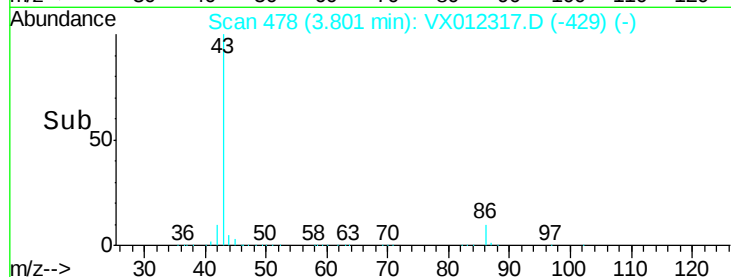
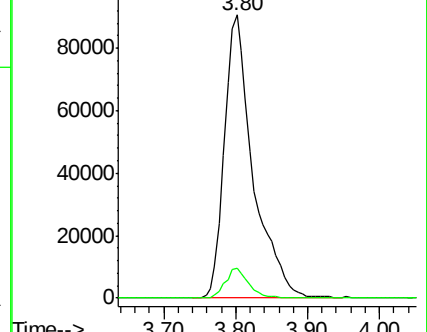
MMDadoda

9/12/2019 9:26:46 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 20.368 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX012317.D

Acq: 11 Sep 2019 23:02

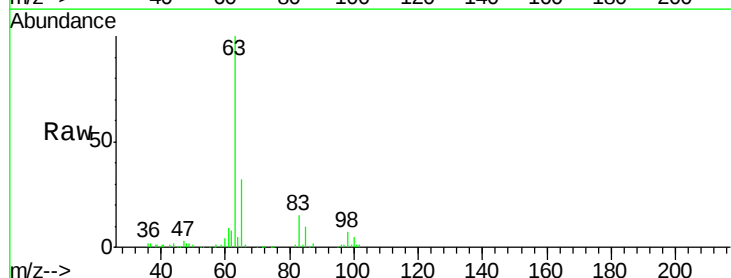
Tgt Ion: 63 Resp: 48720

Ion Ratio Lower Upper

63 100

98 7.2 3.4 10.1

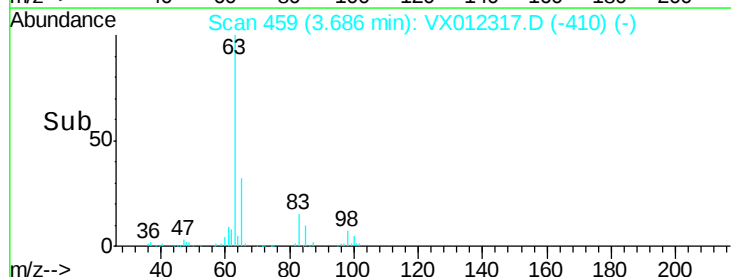
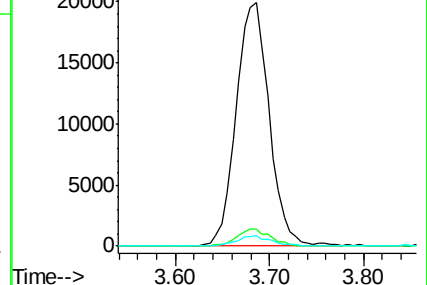
100 4.5 2.4 7.2

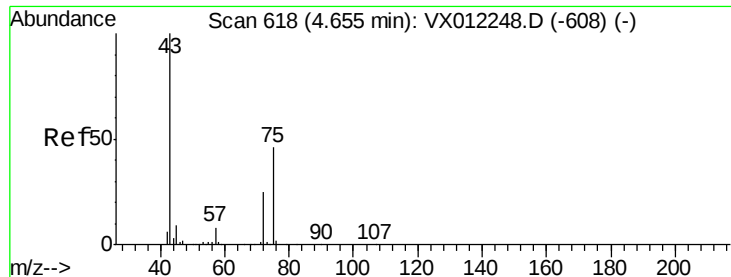


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 103.660 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.01 min

Lab File: VX012317.D

Acq: 11 Sep 2019 23:02

Instrument :

MSVOA_X

ClientSampleId :

VX0911SBS02

Tot Ion: 43 Resp: 56135

Ion Ratio Lower Upper

43 100

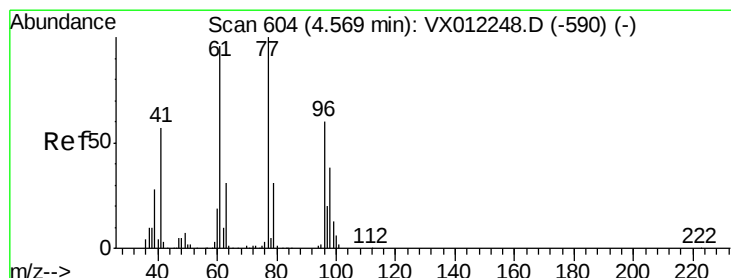
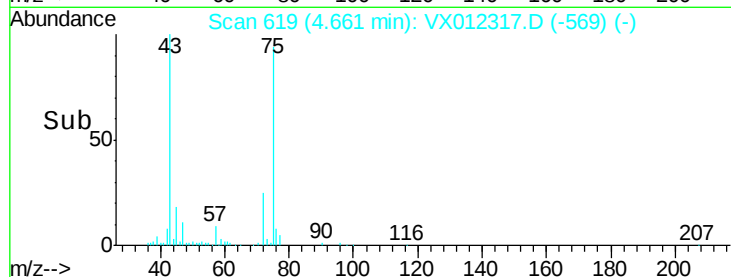
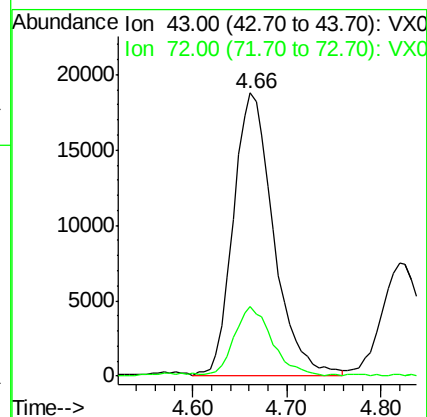
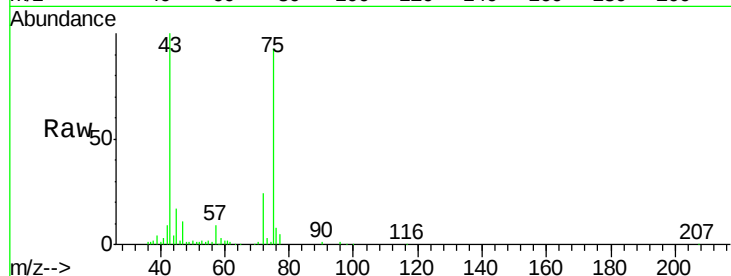
72 24.1 20.2 30.2

Manual Integrations

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MMDadoda

9/12/2019 9:26:46 AM



#26

2,2-Dichloropropane

Concen: 16.691 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX012317.D

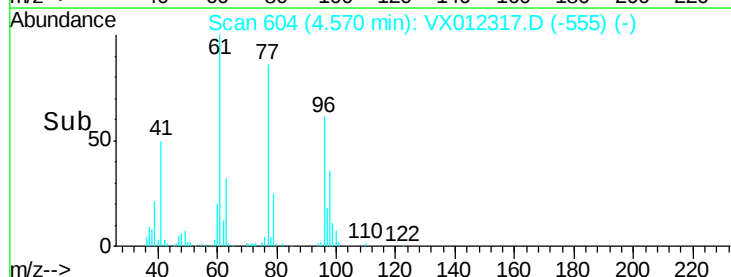
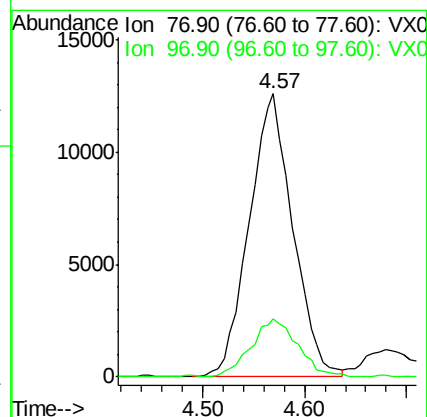
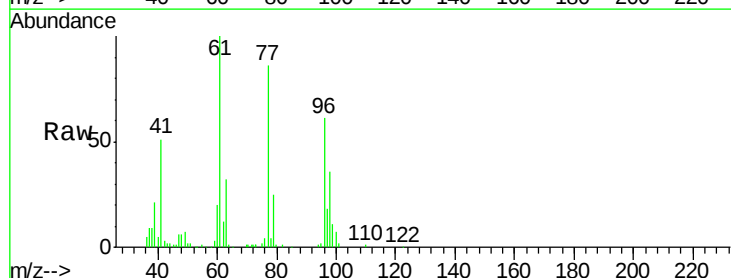
Acq: 11 Sep 2019 23:02

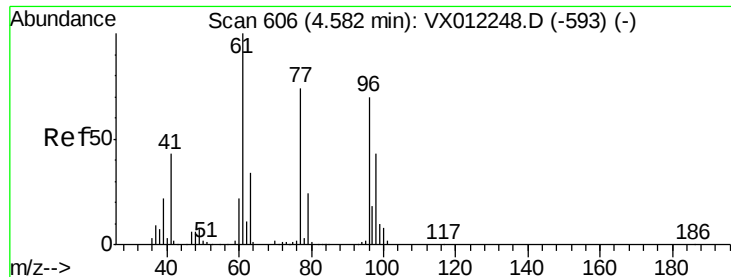
Tgt Ion: 77 Resp: 37483

Ion Ratio Lower Upper

77 100

97 21.8 10.7 32.1





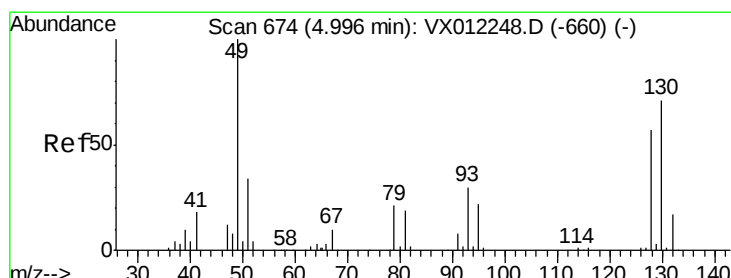
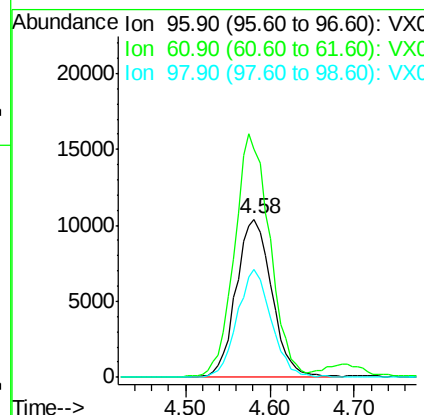
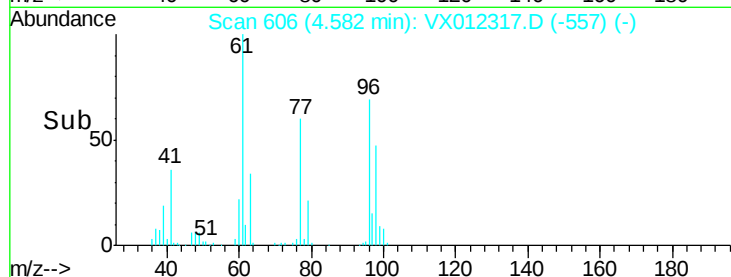
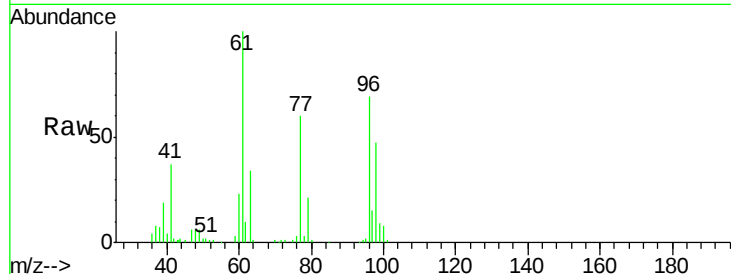
#27
 cis-1,2-Dichloroethene
 Concen: 20.219 ug/l
 RT: 4.58 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VX012317.D
 Acq: 11 Sep 2019 23:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0911SBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	152.8	0.0	310.4	
98	64.9	0.0	128.8	

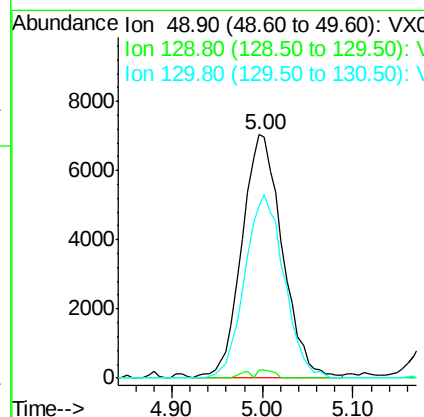
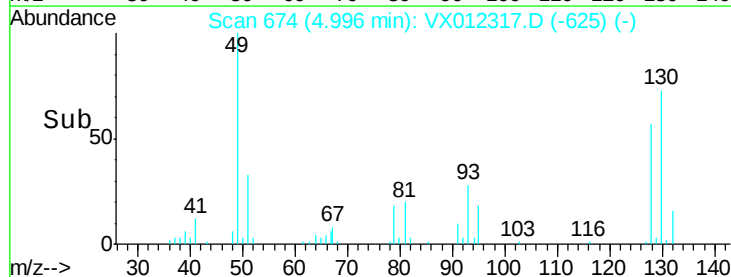
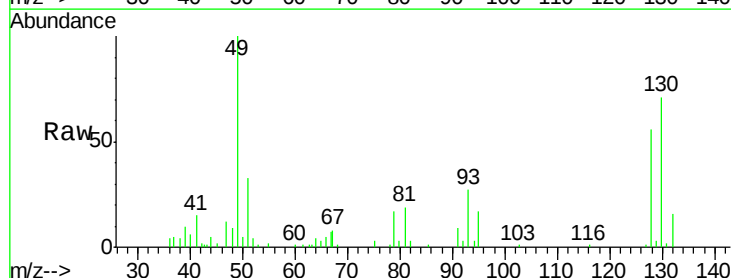
Manual Integrations
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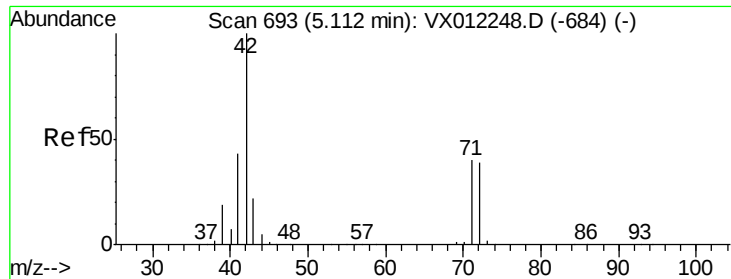
MMDadoda
 9/12/2019 9:26:46 AM



#28
 Bromochloromethane
 Concen: 19.469 ug/l
 RT: 5.00 min Scan# 674
 Delta R.T. 0.00 min
 Lab File: VX012317.D
 Acq: 11 Sep 2019 23:02

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.3	0.0	5.2	
130	72.9	60.1	90.1	





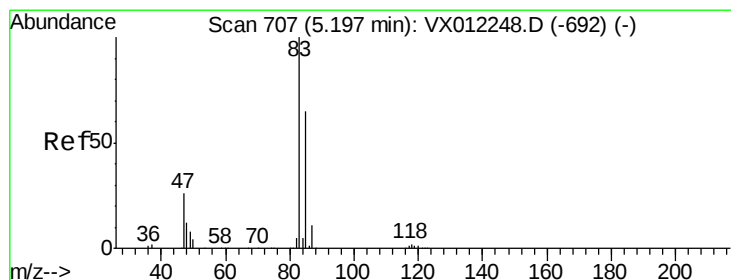
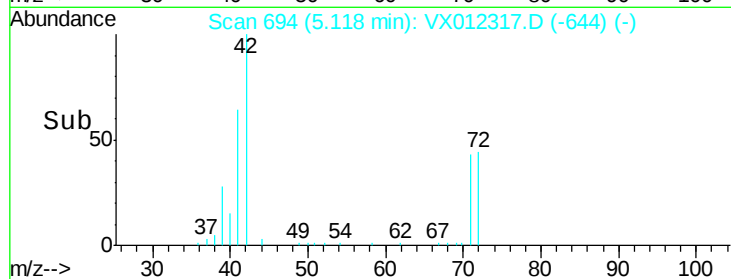
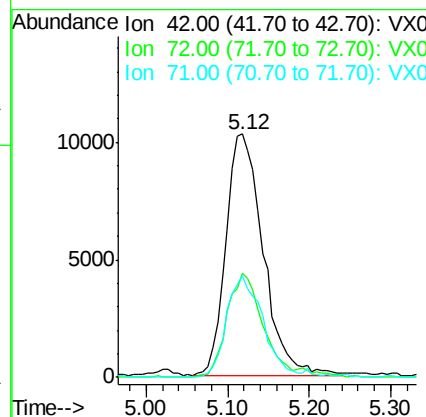
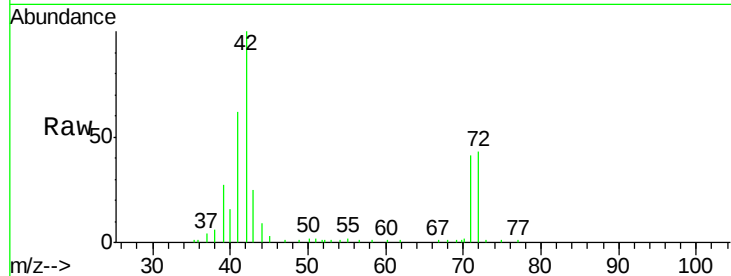
#29
Tetrahydrofuran
Concen: 110.446 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.01 min
Lab File: VX012317.D
Acq: 11 Sep 2019 23:02

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.7	35.2	52.8
71	41.1	32.5	48.7

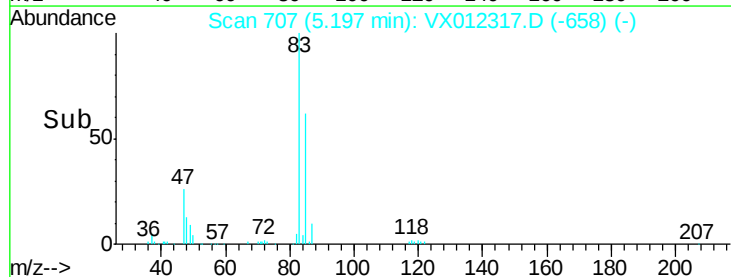
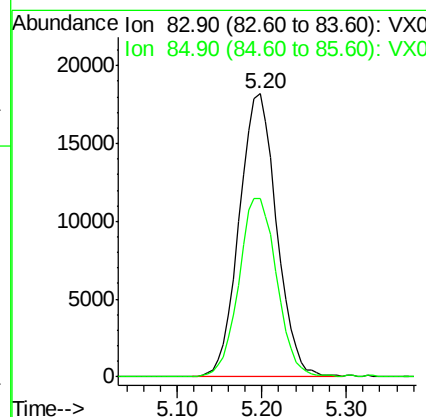
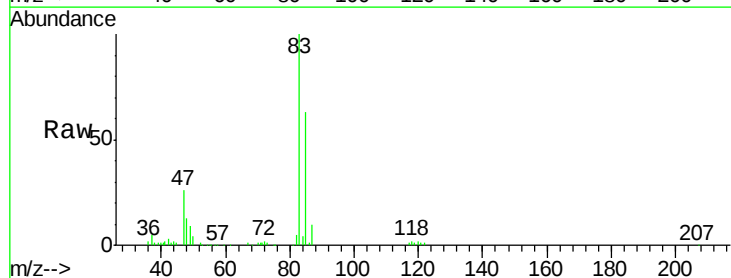
Manual Integrations
APPROVED

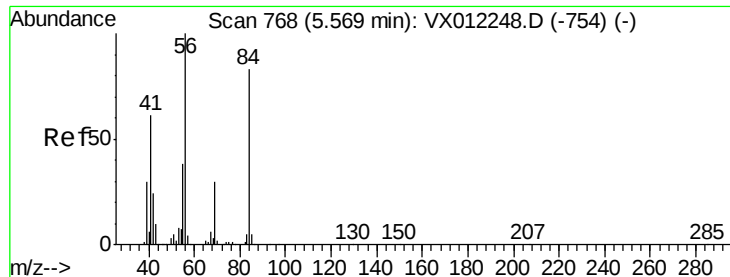
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9/12/2019 9:26:46 AM



#30
Chloroform
Concen: 20.312 ug/l
RT: 5.20 min Scan# 707
Delta R.T. 0.00 min
Lab File: VX012317.D
Acq: 11 Sep 2019 23:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	52.3	78.5





#31

Cyclohexane

Concen: 19.035 ug/l

RT: 5.56 min Scan# 767

Delta R.T. -0.01 min

Lab File: VX012317.D

Acq: 11 Sep 2019 23:02

Instrument :

MSVOA_X

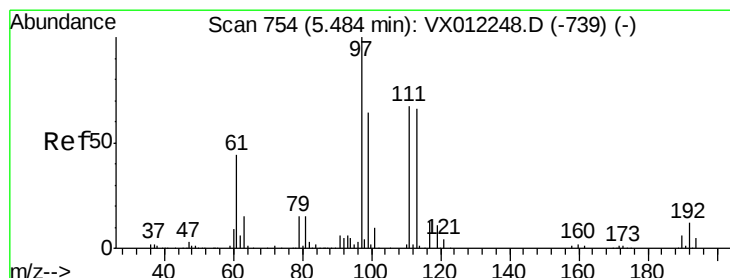
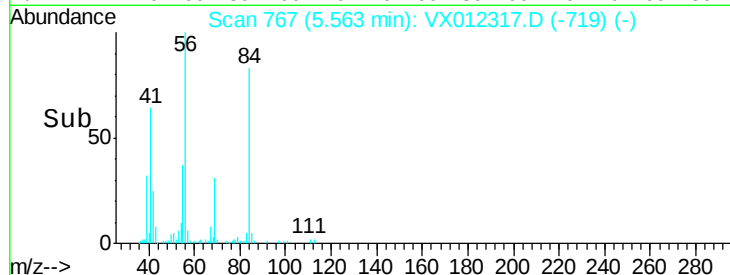
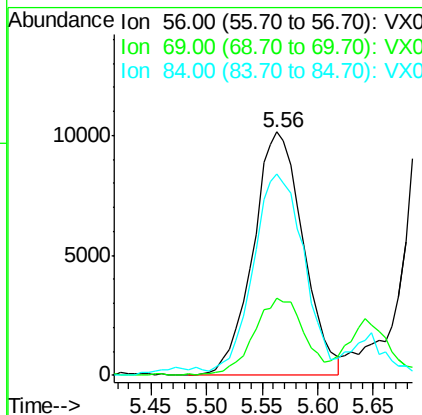
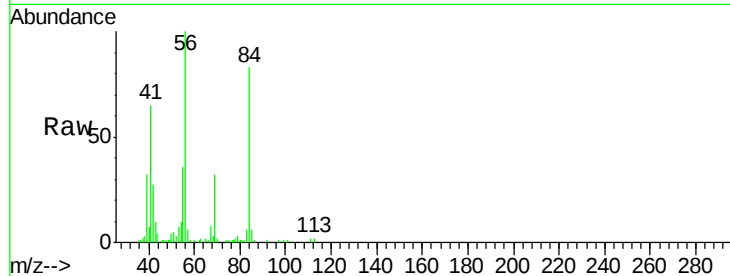
ClientSampleId :

VX0911SBS02

Tot Ion:	56	Resp:	31629
Ion	Ratio	Lower	Upper
56	100		
69	31.1	23.8	35.6
84	80.3	66.6	100.0

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#32

1,1,1-Trichloroethane

Concen: 19.365 ug/l

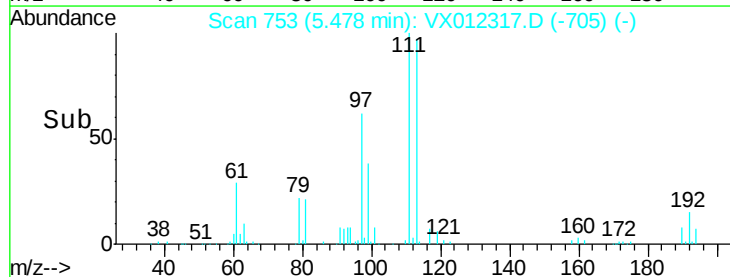
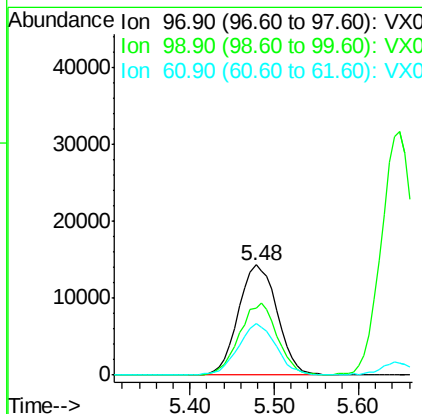
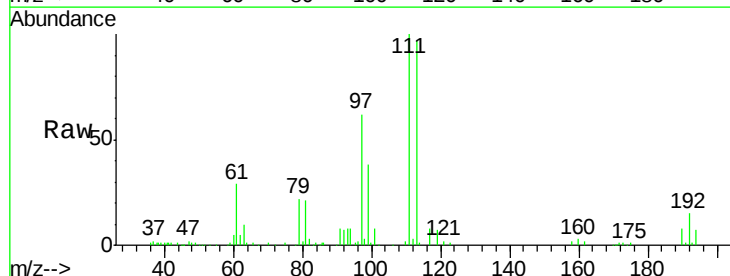
RT: 5.48 min Scan# 753

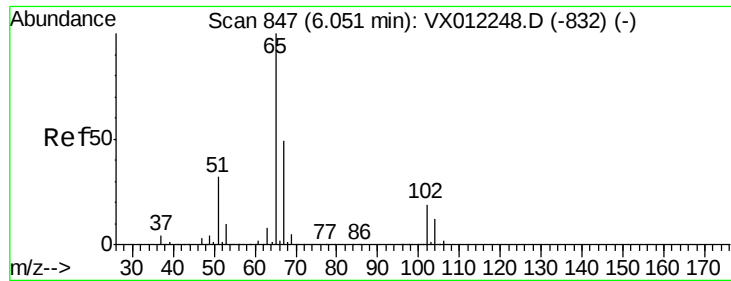
Delta R.T. -0.01 min

Lab File: VX012317.D

Acq: 11 Sep 2019 23:02

Tgt Ion:	97	Resp:	44852
Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.3	76.9
61	45.5	35.4	53.0





#33

1,2-Dichloroethane-d4

Concen: 47.103 ug/l

RT: 6.04 min Scan# 846

Delta R.T. -0.01 min

Lab File: VX012317.D

Acq: 11 Sep 2019 23:02

Instrument :

MSVOA_X

ClientSampleId :

VX0911SBS02

Tot Ion: 65 Resp: 84288

Ion Ratio Lower Upper

65 100

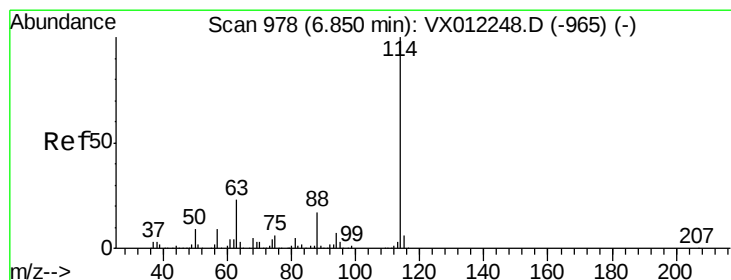
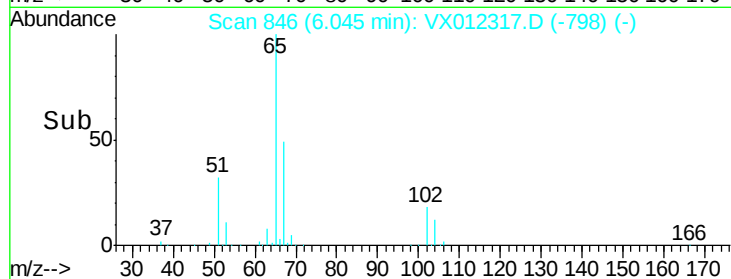
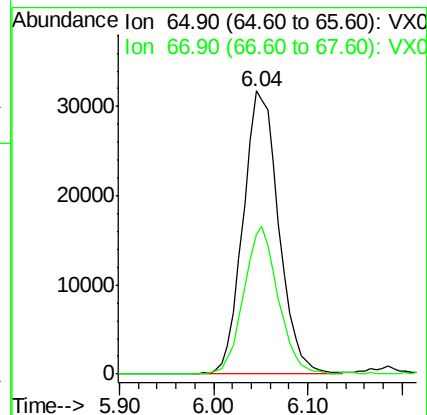
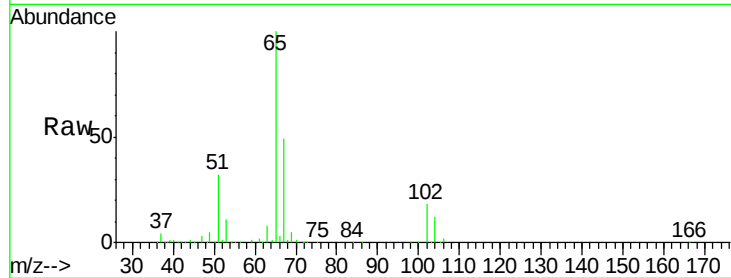
67 50.0 0.0 99.8

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX012317.D

Acq: 11 Sep 2019 23:02

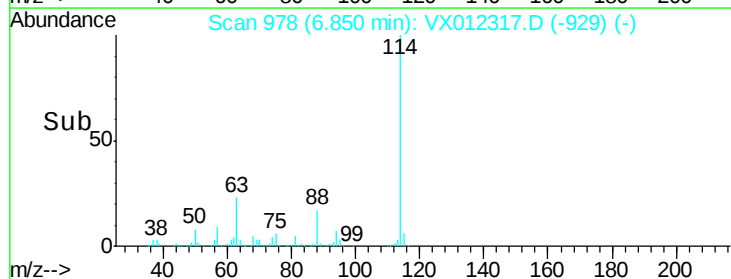
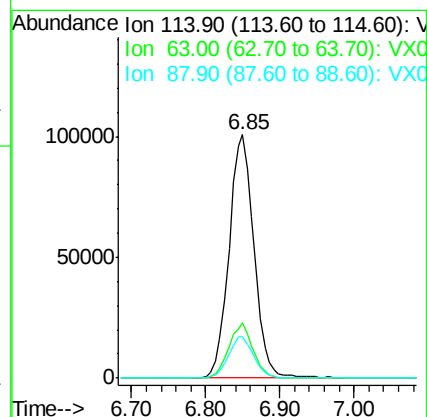
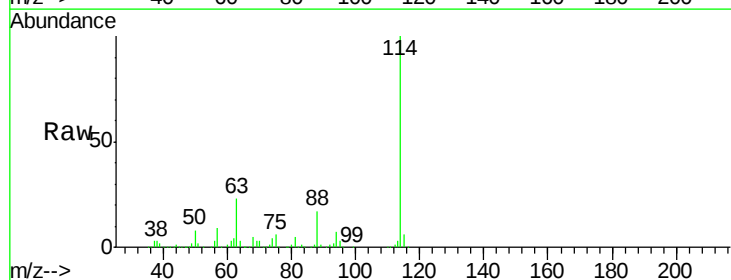
Tgt Ion: 114 Resp: 235423

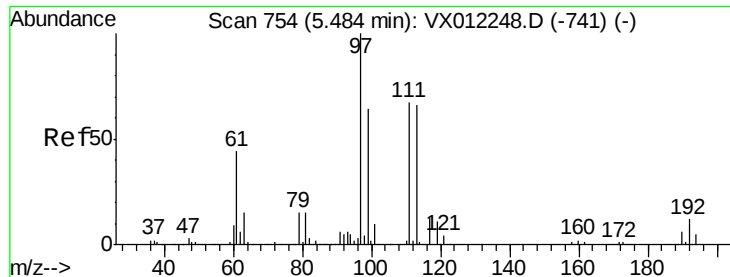
Ion Ratio Lower Upper

114 100

63 22.8 0.0 45.2

88 16.8 0.0 34.8





#35

Dibromofluoromethane

Concen: 43.793 ug/l

RT: 5.48 min Scan# 753

Delta R.T. -0.01 min

Lab File: VX012317.D

Acq: 11 Sep 2019 23:02

Instrument :

MSVOA_X

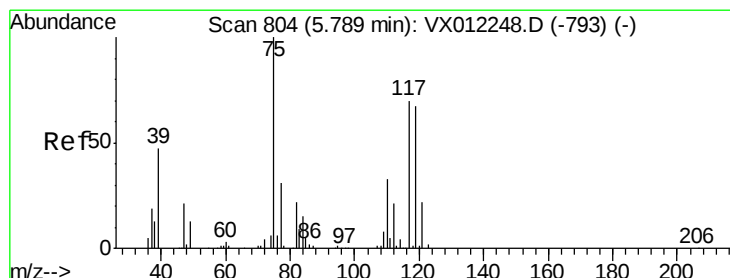
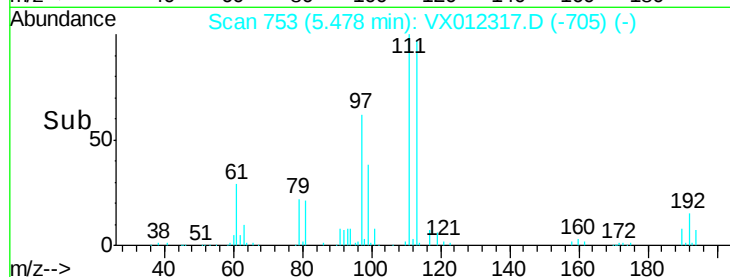
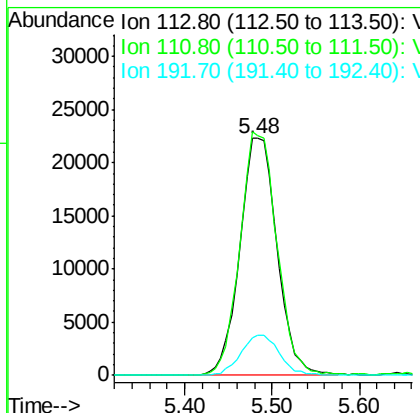
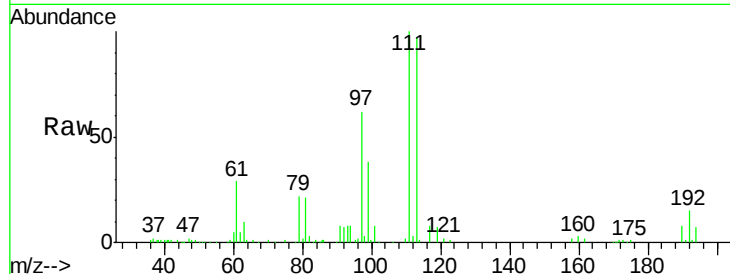
ClientSampleId :

VX0911SBS02

Tot Ion:	113	Resp:	66091
Ion	Ratio	Lower	Upper
113	100		
111	101.6	83.0	124.6
192	17.4	14.3	21.5

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#36

1,1-Dichloropropene

Concen: 19.453 ug/l

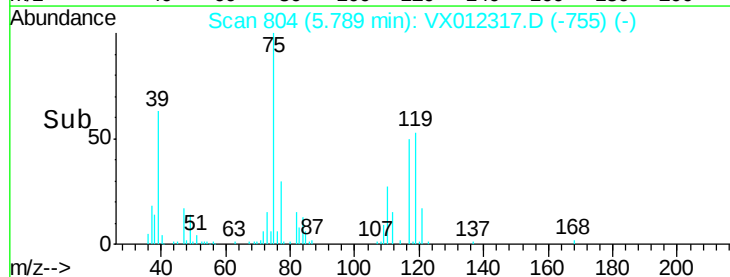
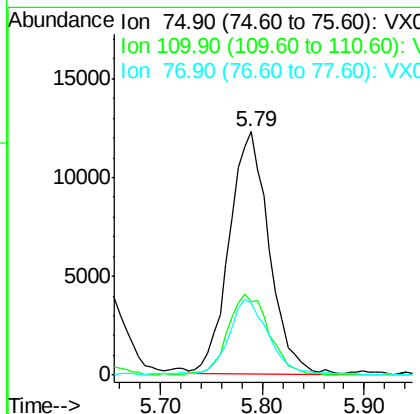
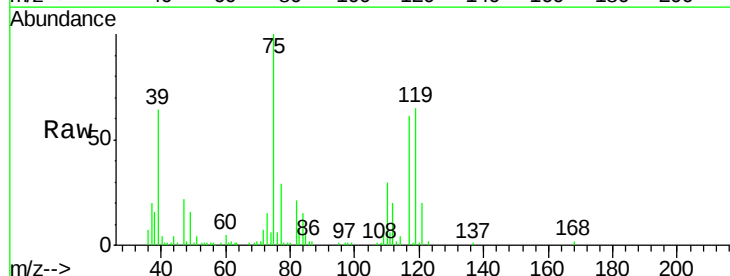
RT: 5.79 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX012317.D

Acq: 11 Sep 2019 23:02

Tgt Ion:	75	Resp:	33394
Ion	Ratio	Lower	Upper
75	100		
110	34.5	16.8	50.4
77	31.4	24.5	36.7





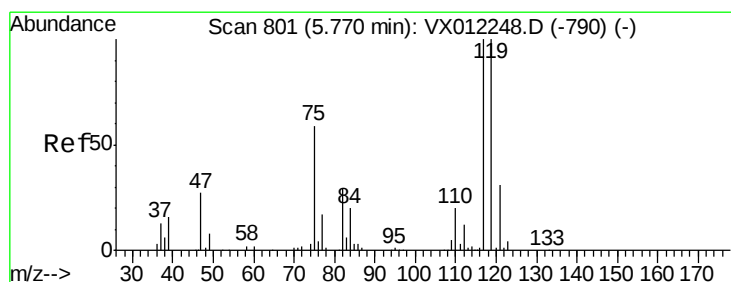
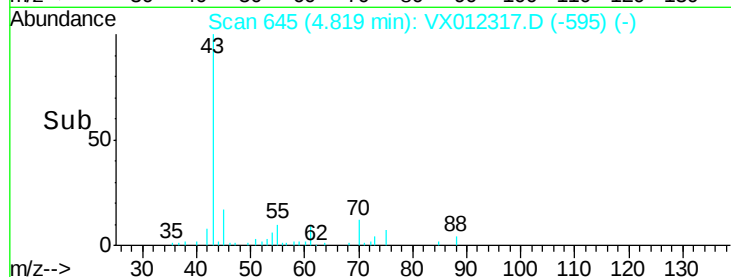
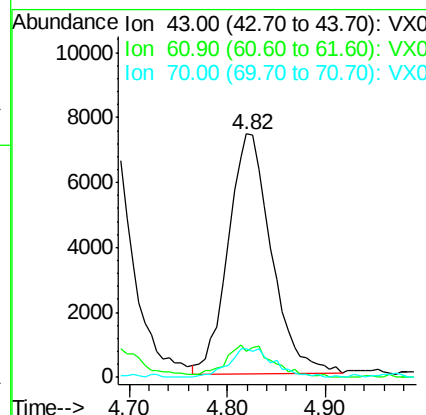
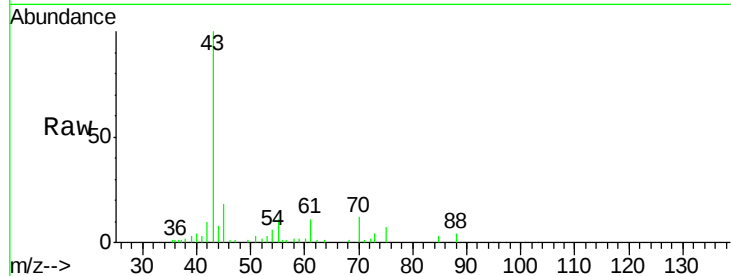
#37
Ethyl Acetate
Concen: 21.405 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.01 min
Lab File: VX012317.D
Acq: 11 Sep 2019 23:02

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	10.3	15.5
70	12.6	9.1	13.7

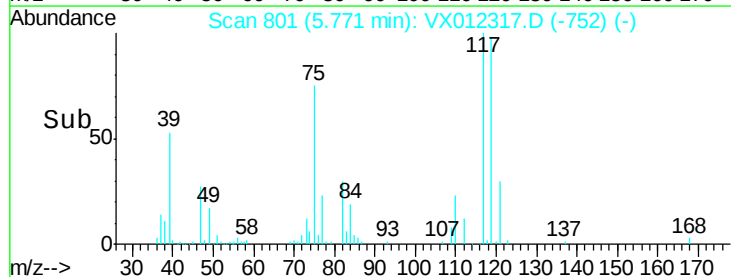
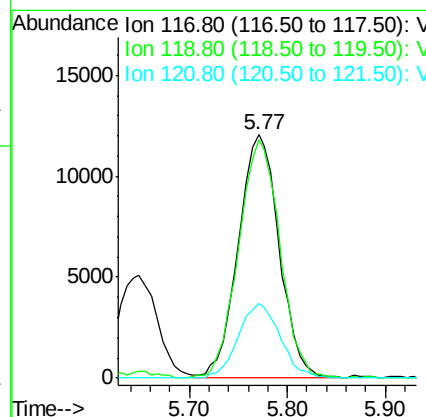
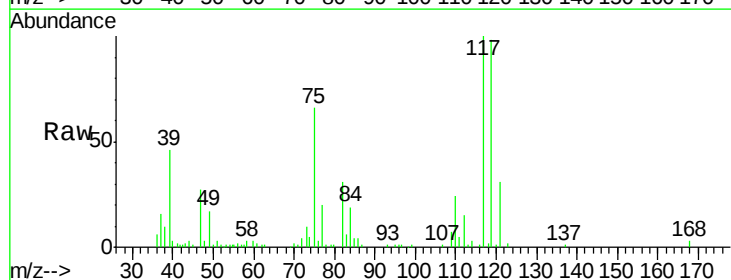
Manual Integrations
APPROVED

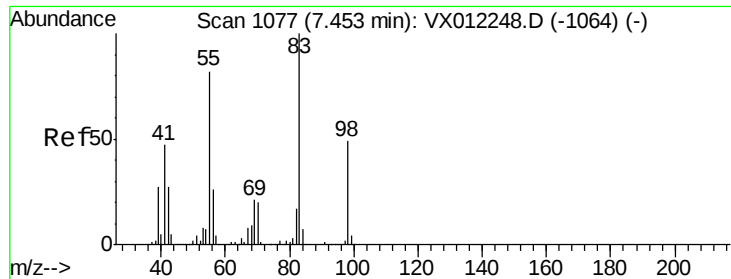
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#38
Carbon Tetrachloride
Concen: 17.405 ug/l
RT: 5.77 min Scan# 801
Delta R.T. 0.00 min
Lab File: VX012317.D
Acq: 11 Sep 2019 23:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.7	79.6	119.4
121	30.7	24.7	37.1





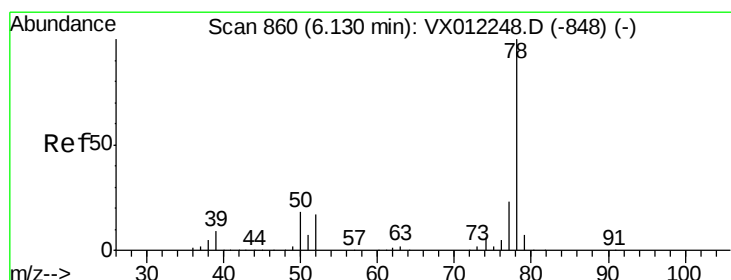
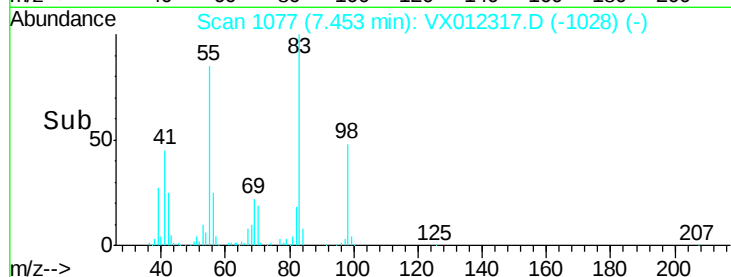
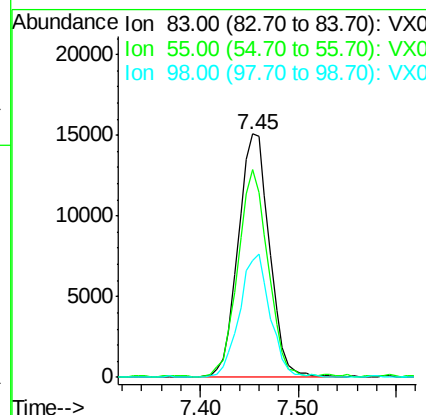
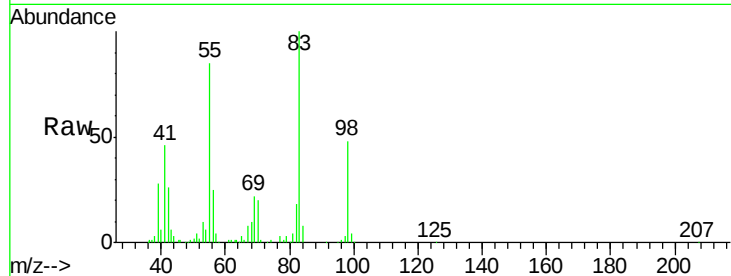
#39
Methvlcvclohexane
Concen: 17.815 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VX012317.D
Acq: 11 Sep 2019 23:02

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.7	65.4	98.2
98	47.8	39.6	59.4

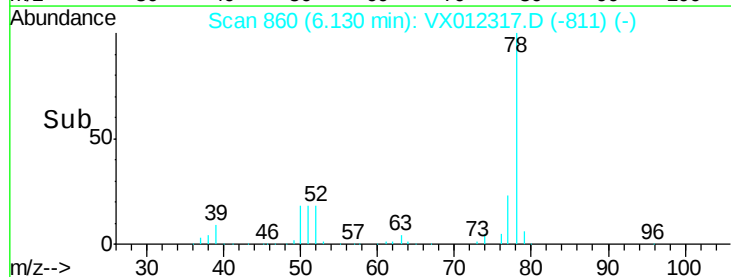
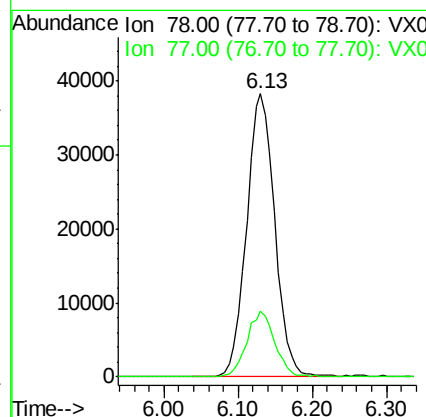
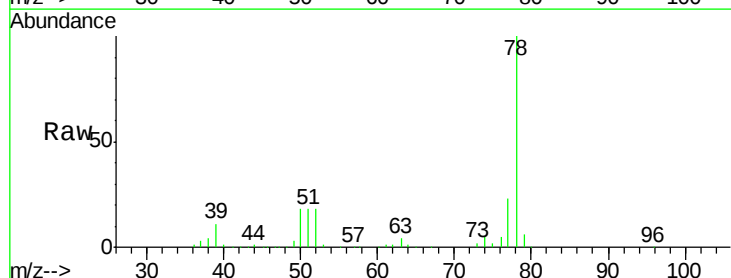
Manual Integrations
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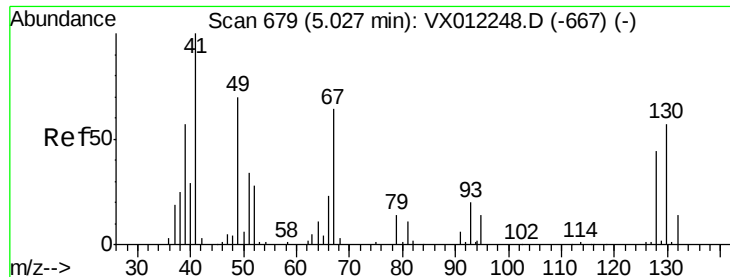
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#40
Benzene
Concen: 19.581 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX012317.D
Acq: 11 Sep 2019 23:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.0	27.0





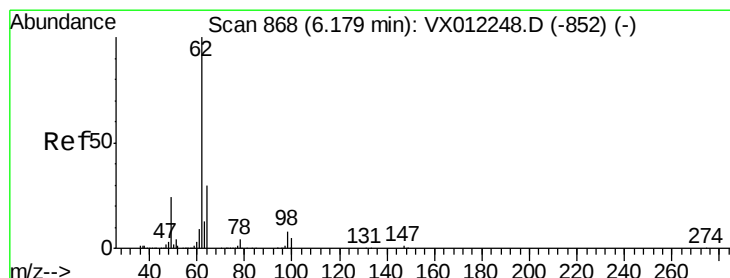
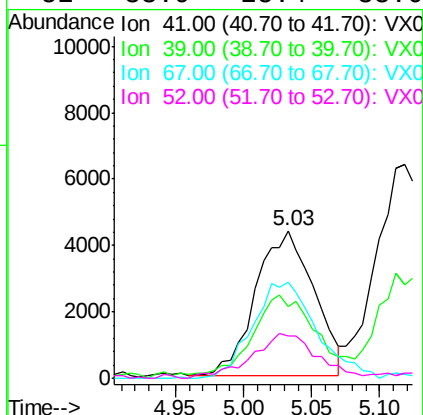
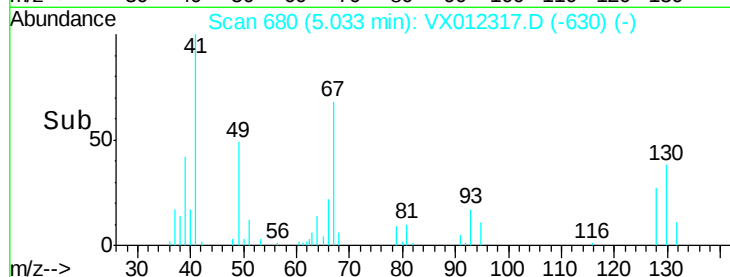
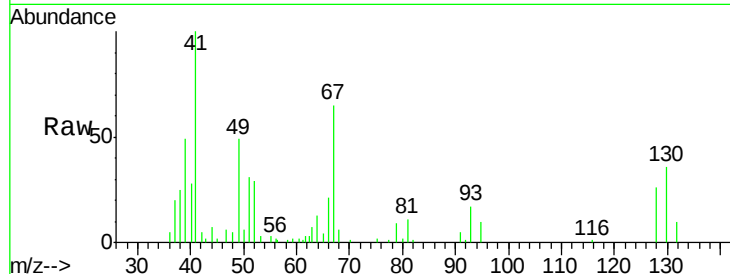
#41
Methacrylonitrile
Concen: 19.900 ug/l
RT: 5.03 min Scan# 680
Delta R.T. 0.01 min
Lab File: VX012317.D
Acq: 11 Sep 2019 23:02

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBS02

Tot Ion:	41	Resp:	13018
Ion	Ratio	Lower	Upper
41	100		
39	61.4	49.0	73.4
67	72.6	55.0	82.4
52	33.9	25.4	38.0

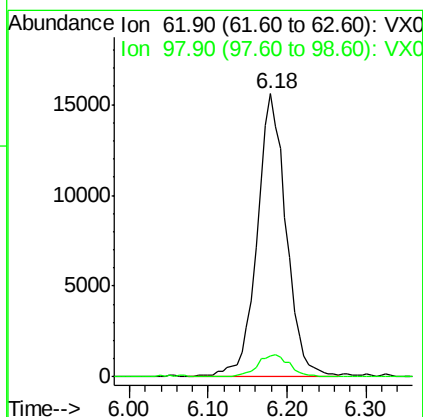
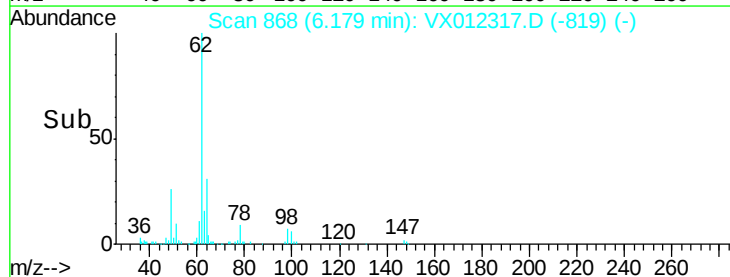
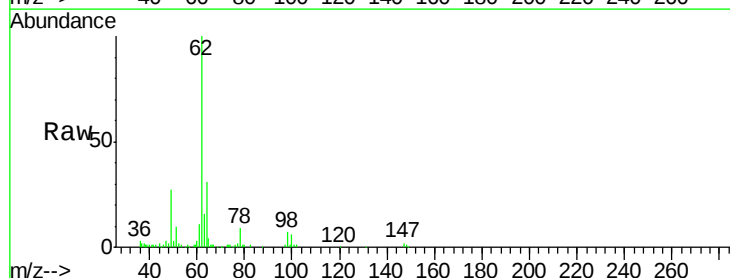
Manual Integrations
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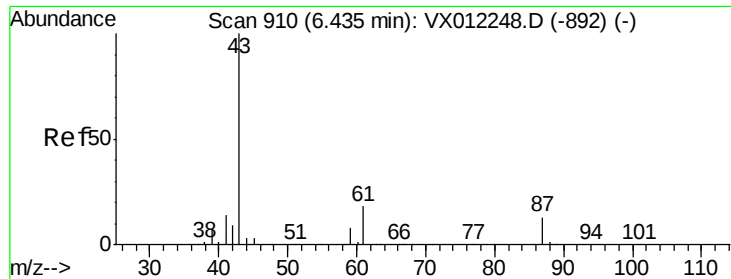
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#42
1,2-Dichloroethane
Concen: 19.500 ug/l
RT: 6.18 min Scan# 868
Delta R.T. 0.00 min
Lab File: VX012317.D
Acq: 11 Sep 2019 23:02

Tgt Ion:	62	Resp:	40042
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	17.2





#43

Isopropyl Acetate

Concen: 19.284 ug/l

RT: 6.44 min Scan# 910

Delta R.T. 0.00 min

Lab File: VX012317.D

Acq: 11 Sep 2019 23:02

Instrument :

MSVOA_X

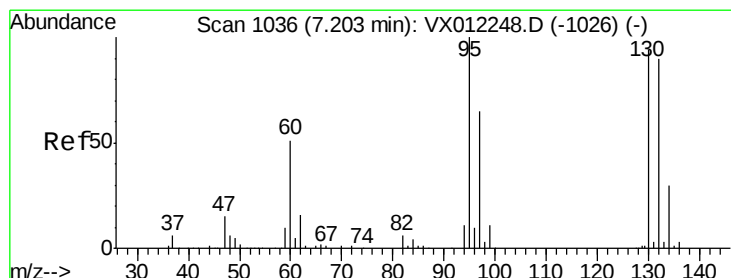
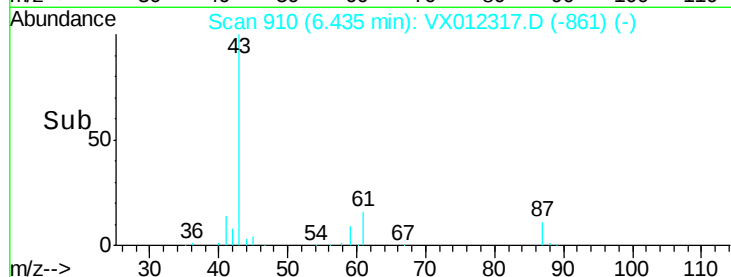
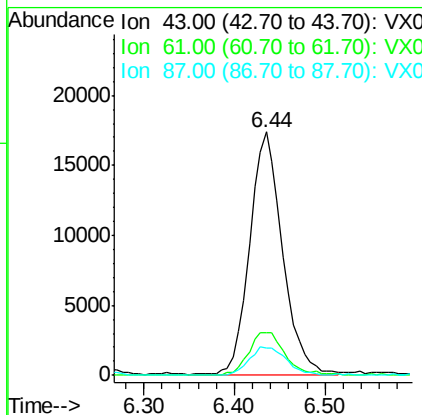
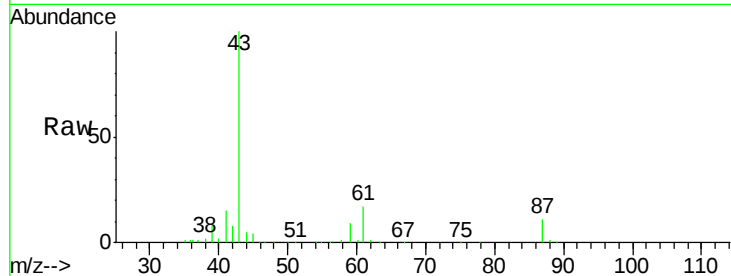
ClientSampleId :

VX0911SBS02

Tot Ion:	43	Resp:	43144
Ion	Ratio	Lower	Upper
43	100		
61	19.8	15.4	23.2
87	13.1	10.5	15.7

Manual Integrations
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#44

Trichloroethene

Concen: 18.955 ug/l

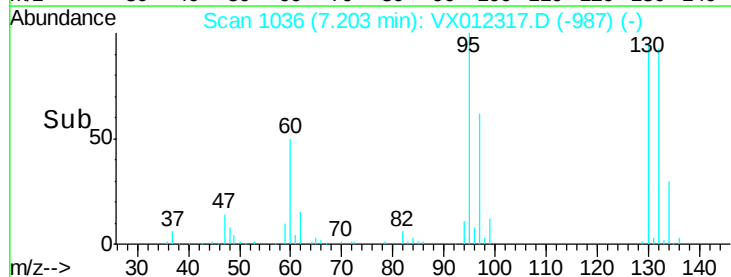
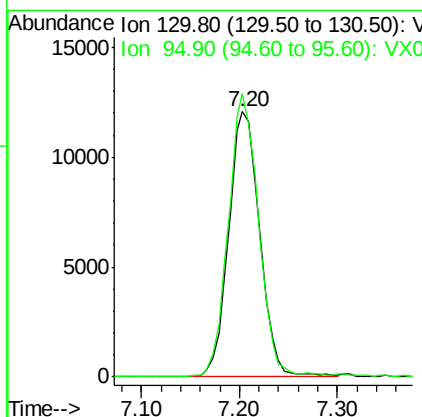
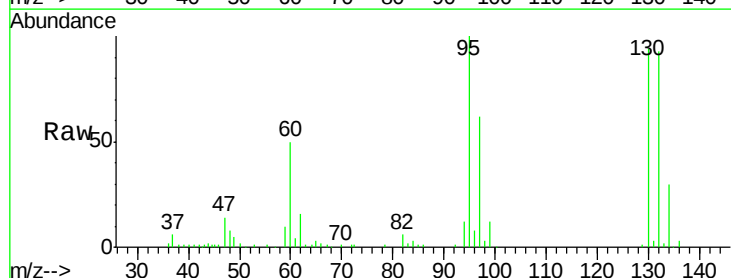
RT: 7.20 min Scan# 1036

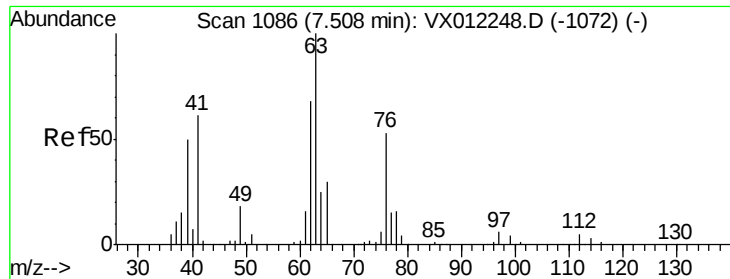
Delta R.T. 0.00 min

Lab File: VX012317.D

Acq: 11 Sep 2019 23:02

Tgt Ion:	130	Resp:	26652
Ion	Ratio	Lower	Upper
130	100		
95	106.9	0.0	212.0





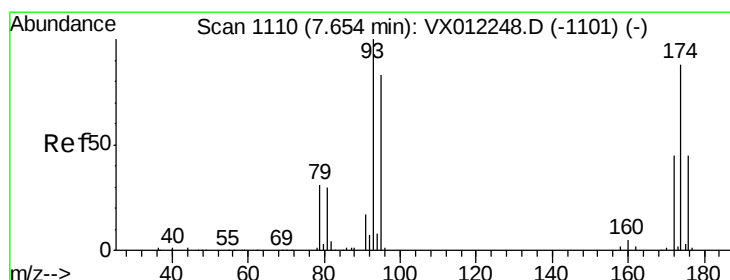
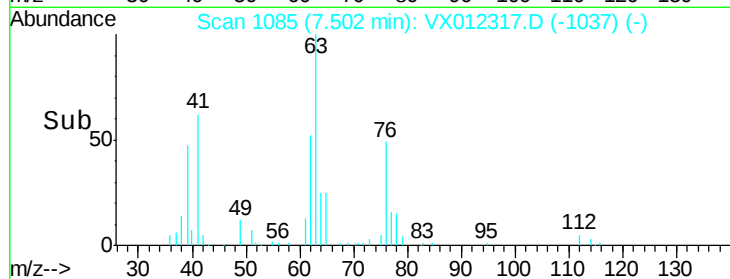
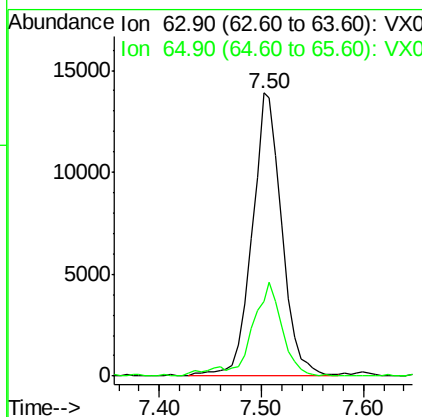
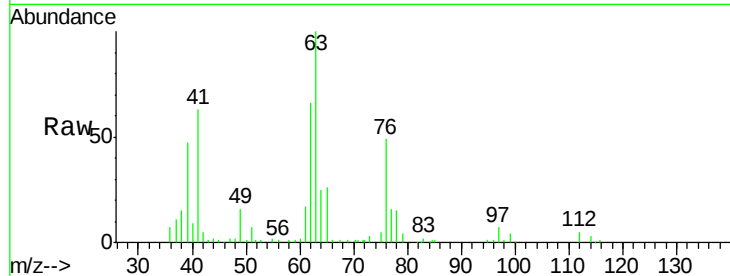
#45
 1,2-Dichloropropane
 Concen: 19.652 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.01 min
 Lab File: VX012317.D
 Acq: 11 Sep 2019 23:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0911SBS02

Tot Ion: 63 Resp: 28262
 Ion Ratio Lower Upper
 63 100
 65 26.1 24.3 36.5

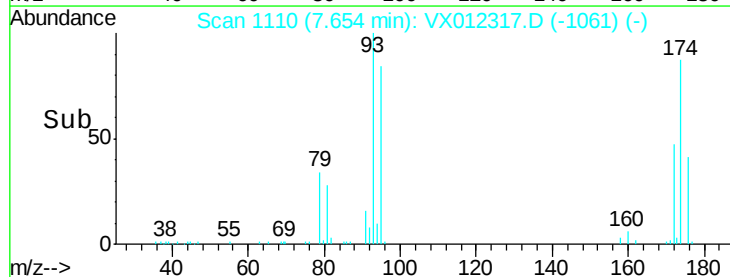
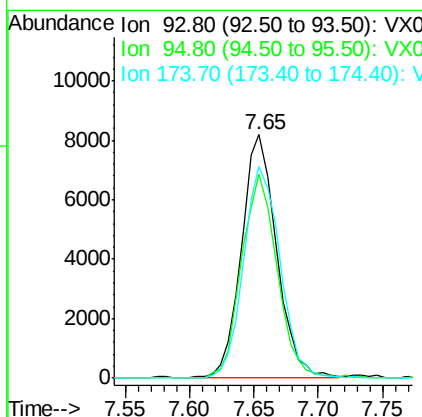
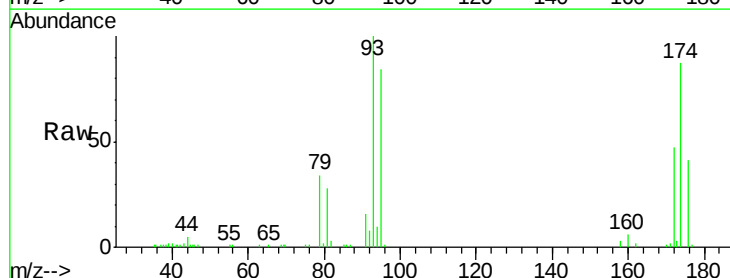
Manual Integrations
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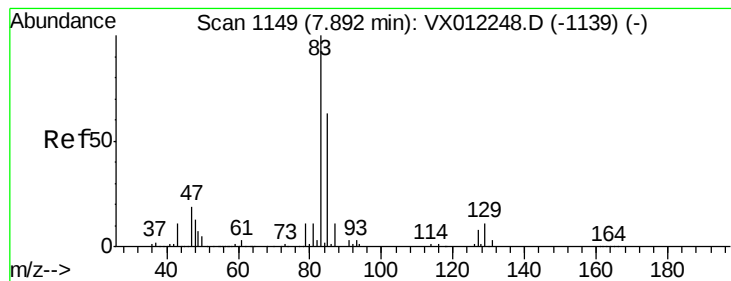
MMDadoda
 9/12/2019 9:26:46 AM



#46
 Dibromomethane
 Concen: 19.744 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX012317.D
 Acq: 11 Sep 2019 23:02

Tgt Ion: 93 Resp: 15518
 Ion Ratio Lower Upper
 93 100
 95 84.5 65.7 98.5
 174 89.8 71.0 106.4





#47

Bromodichloromethane

Concen: 17.925 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX012317.D

Acq: 11 Sep 2019 23:02

Instrument :

MSVOA_X

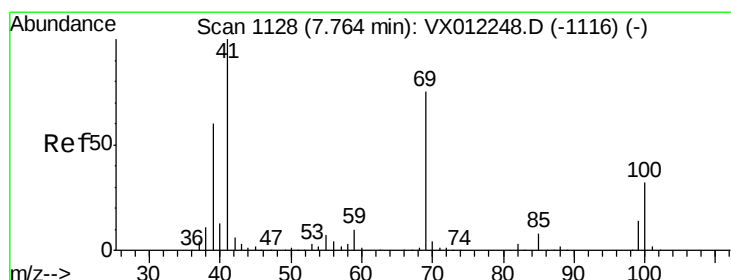
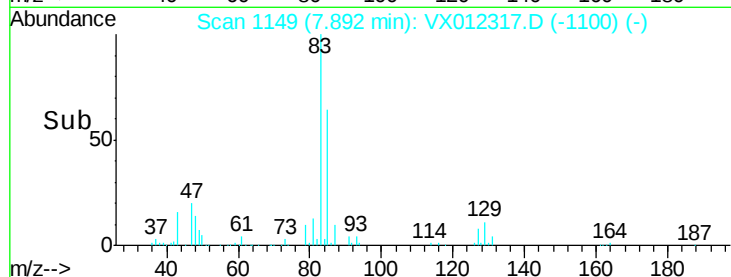
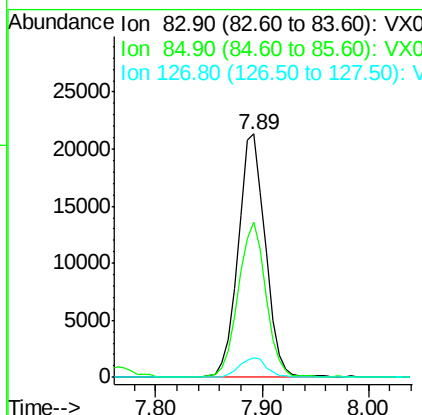
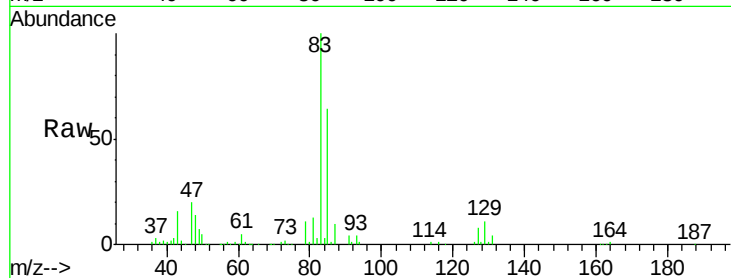
ClientSampleId :

VX0911SBS02

Tot Ion:	83	Resp:	38447
Ion	Ratio	Lower	Upper
83	100		
85	63.7	50.2	75.4
127	8.0	6.3	9.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.705 ug/l

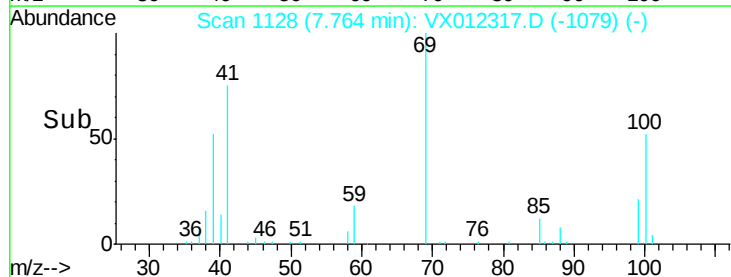
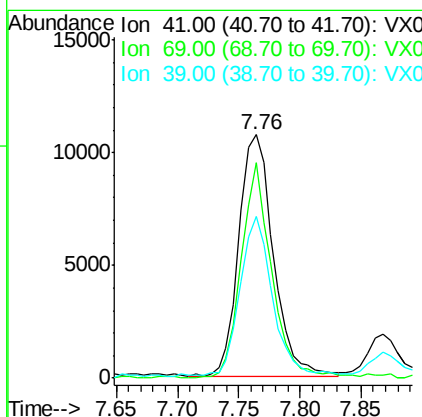
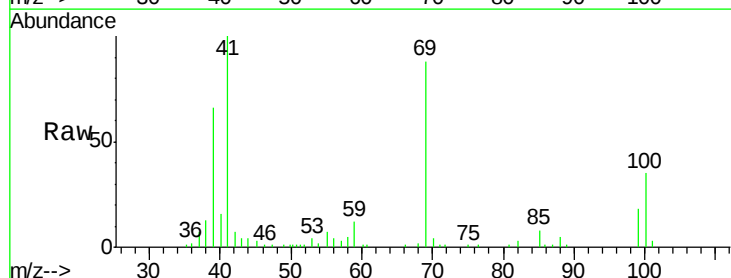
RT: 7.76 min Scan# 1128

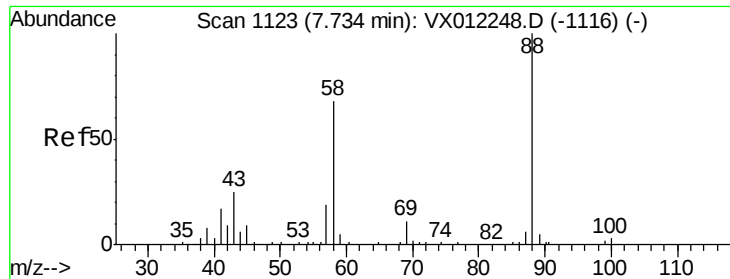
Delta R.T. 0.00 min

Lab File: VX012317.D

Acq: 11 Sep 2019 23:02

Tgt Ion:	41	Resp:	21102
Ion	Ratio	Lower	Upper
41	100		
69	78.7	61.8	92.6
39	60.4	48.6	73.0





#49

1,4-Dioxane

Concen: 439.372 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VX012317.D

Acq: 11 Sep 2019 23:02

Instrument :

MSVOA_X

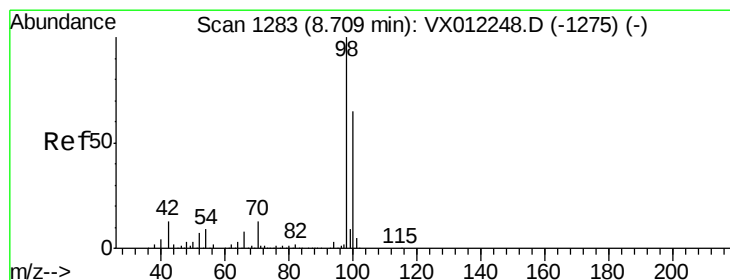
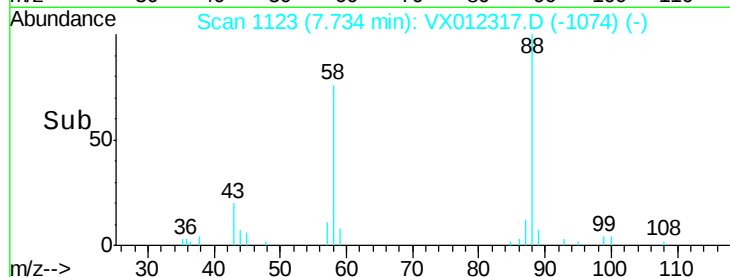
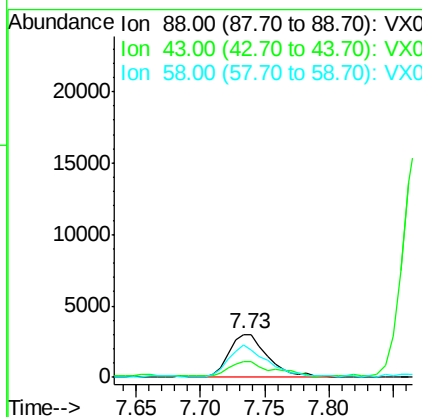
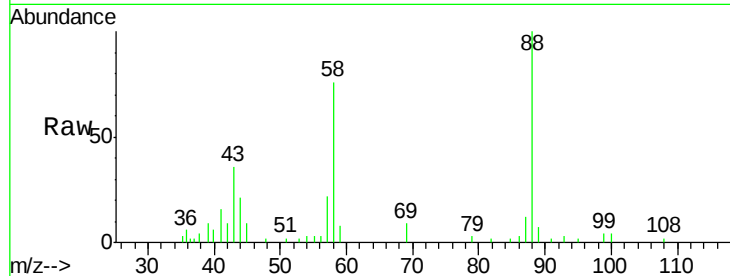
ClientSampleId :

VX0911SBS02

Tot Ion:	88	Resp:	6349
Ion	Ratio	Lower	Upper
88	100		
43	44.2	31.0	46.4
58	76.8	61.5	92.3

Manual Integrations
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#50

Toluene-d8

Concen: 47.107 ug/l

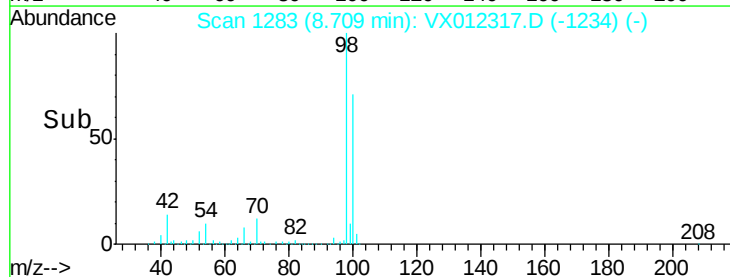
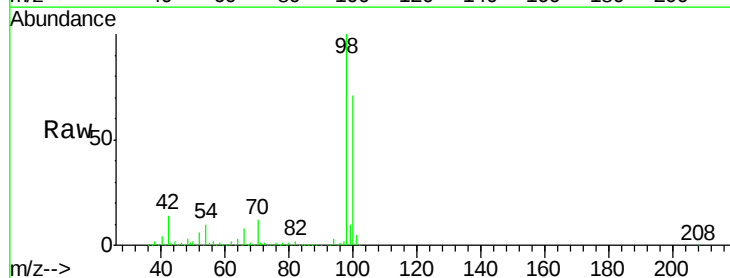
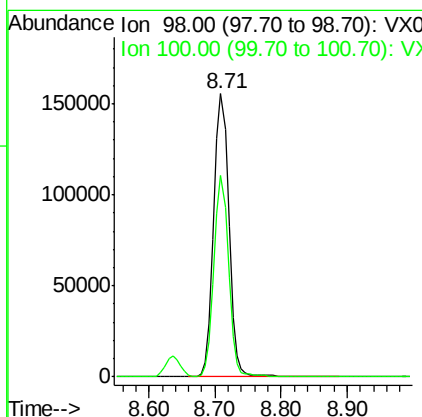
RT: 8.71 min Scan# 1283

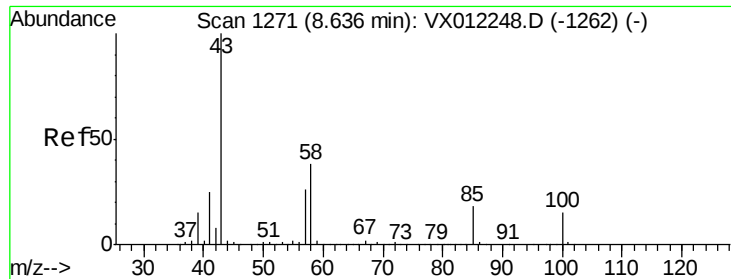
Delta R.T. 0.00 min

Lab File: VX012317.D

Acq: 11 Sep 2019 23:02

Tgt Ion:	98	Resp:	249347
Ion	Ratio	Lower	Upper
98	100		
100	67.9	54.1	81.1





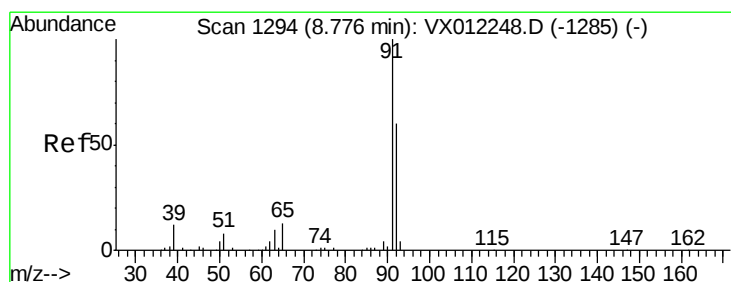
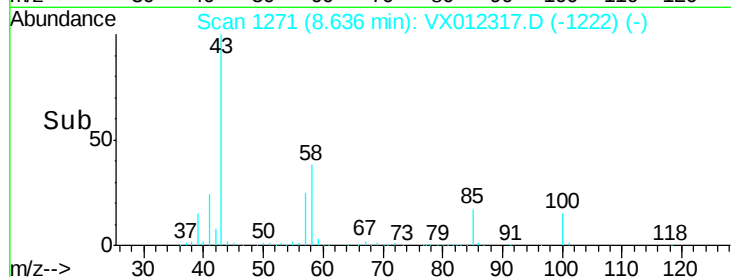
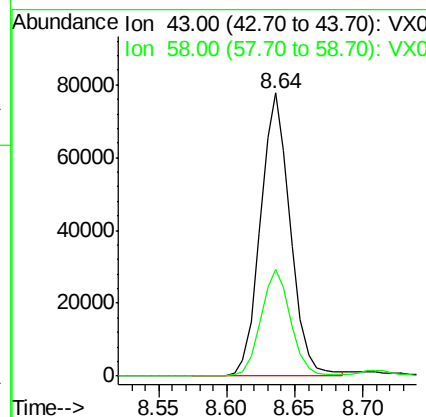
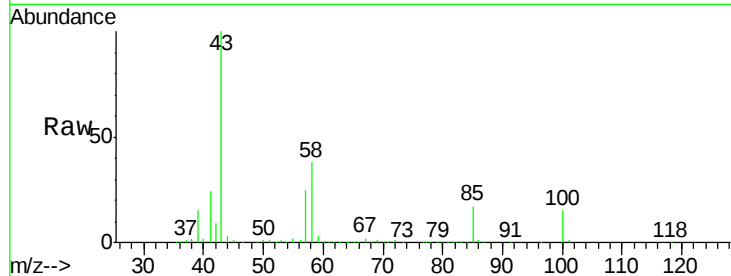
#51
4-Methyl-2-Pentanone
Concen: 101.146 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VX012317.D
Acq: 11 Sep 2019 23:02

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBS02

Tot Ion	43	58	Ratio	Lower	Upper
119430	100	37.8		30.1	45.1

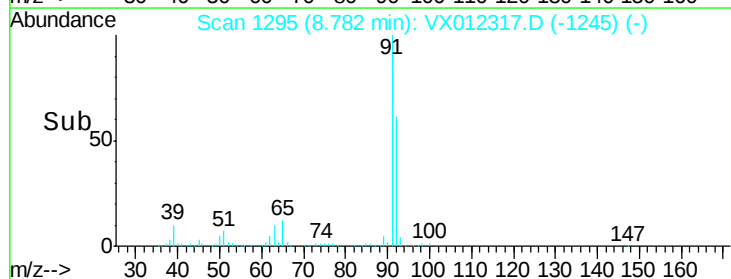
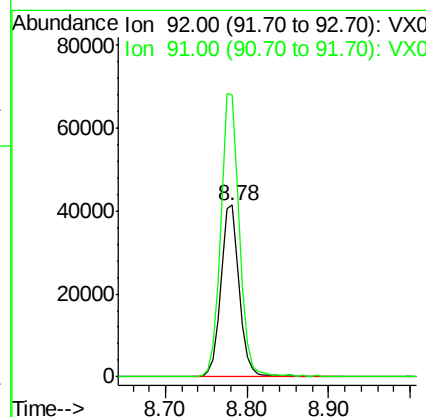
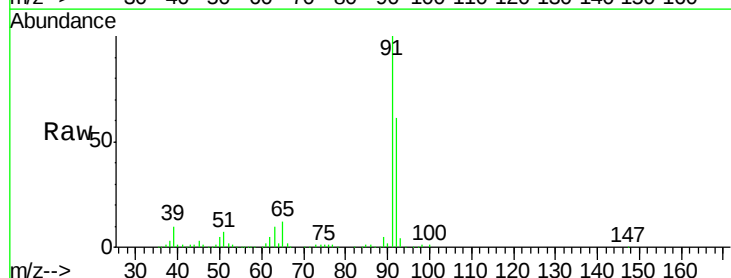
Manual Integrations
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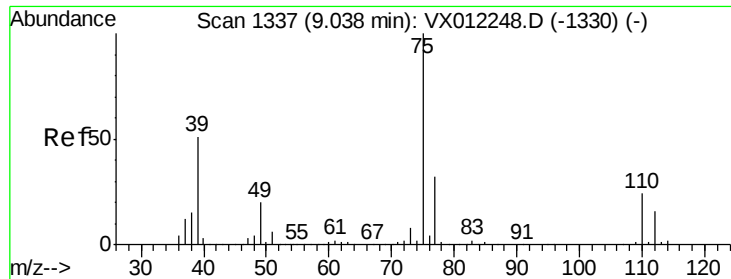
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#52
Toluene
Concen: 19.328 ug/l
RT: 8.78 min Scan# 1295
Delta R.T. 0.01 min
Lab File: VX012317.D
Acq: 11 Sep 2019 23:02

Tgt Ion	92	91	Ratio	Lower	Upper
66328	100	166.5		133.6	200.4





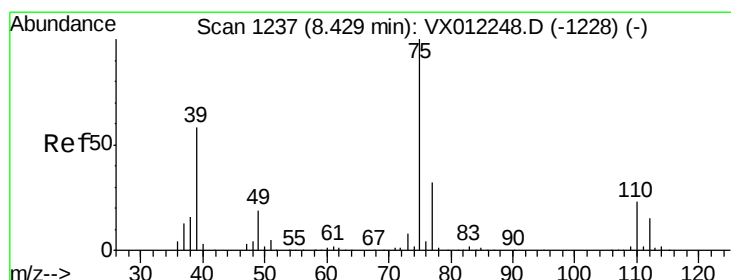
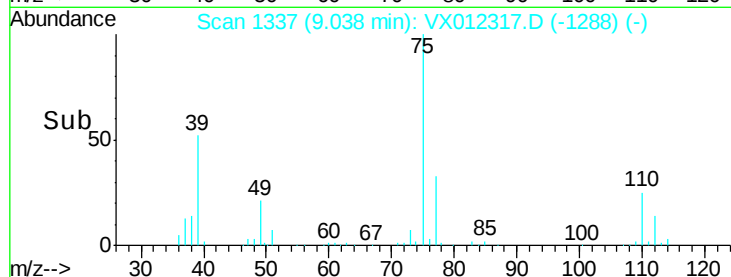
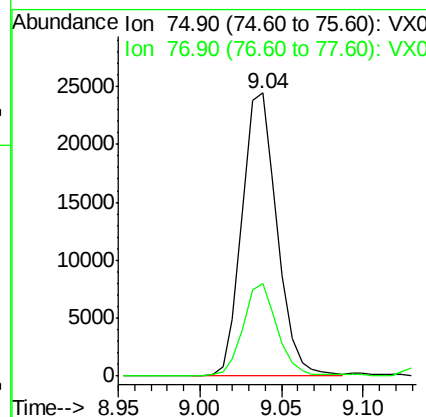
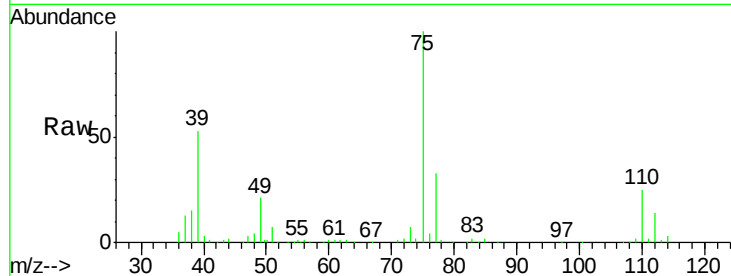
#53
t-1,3-Dichloropropene
Concen: 17.119 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VX012317.D
Acq: 11 Sep 2019 23:02

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBS02

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.8	38.6

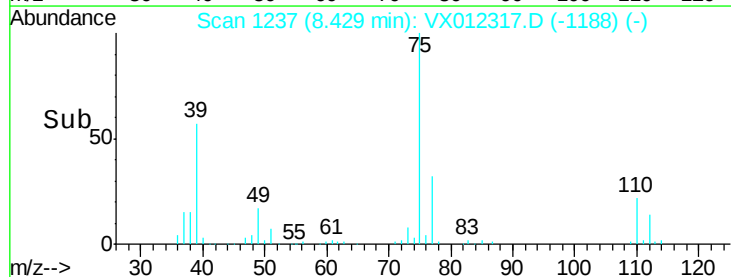
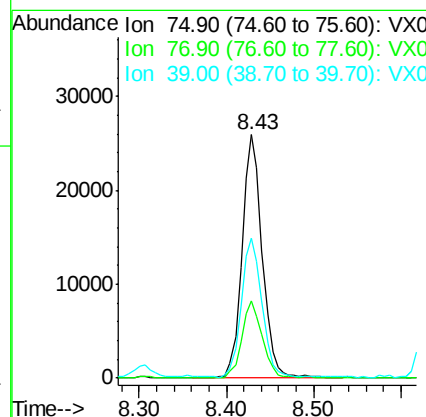
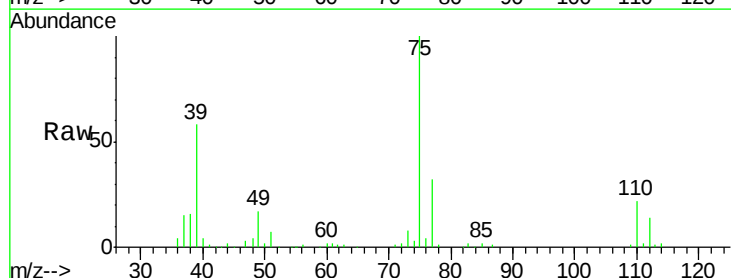
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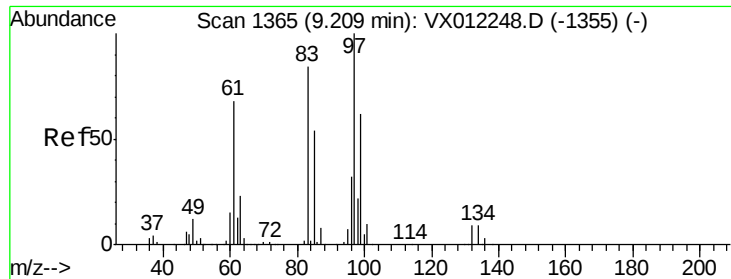
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#54
cis-1,3-Dichloropropene
Concen: 17.623 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX012317.D
Acq: 11 Sep 2019 23:02

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.4	38.2
39	57.2	46.5	69.7





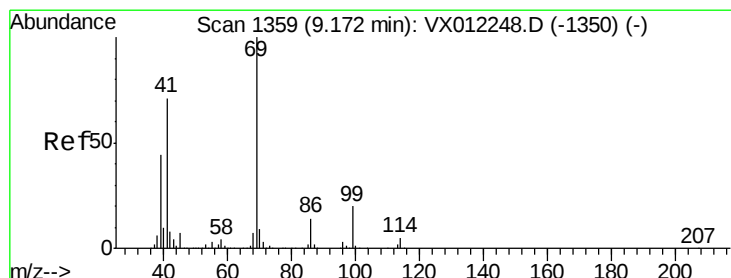
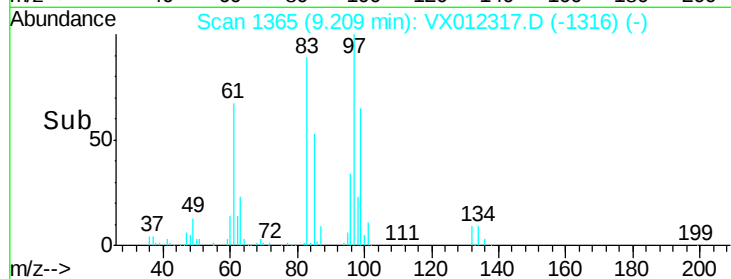
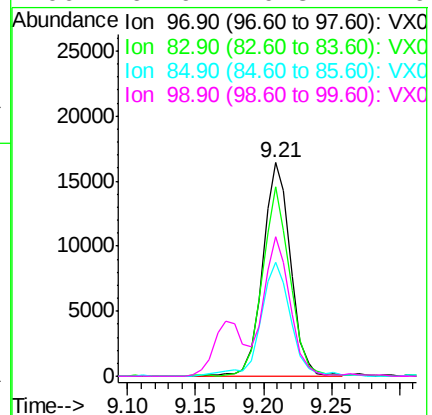
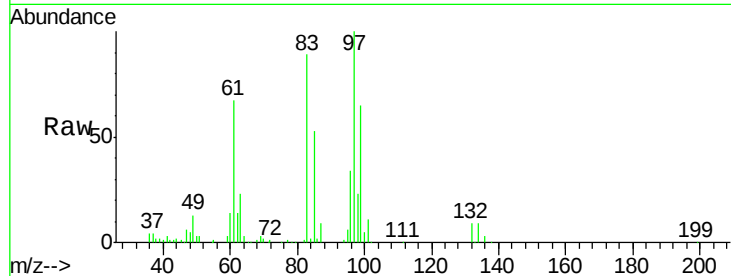
#55
 1,1,2-Trichloroethane
 Concen: 19.368 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX012317.D
 Acq: 11 Sep 2019 23:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0911SBS02

Tot Ion:	97	Resp:	23584
Ion	Ratio	Lower	Upper
97	100		
83	88.5	67.4	101.2
85	53.2	43.4	65.2
99	64.9	49.8	74.6

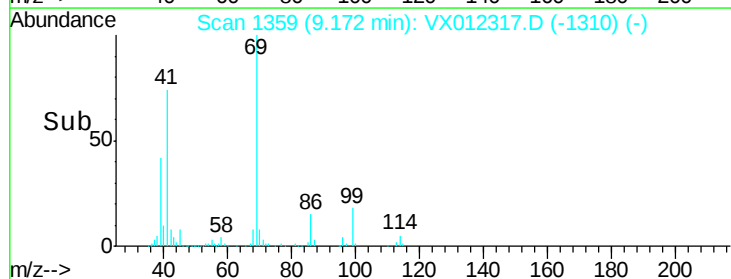
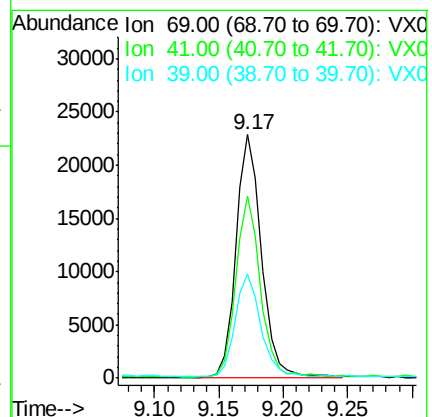
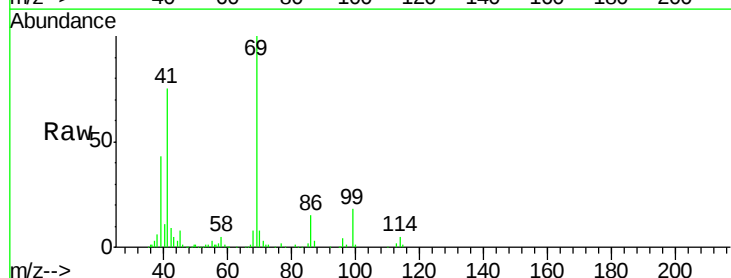
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#56
 Ethyl methacrylate
 Concen: 19.323 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX012317.D
 Acq: 11 Sep 2019 23:02

Tgt Ion:	69	Resp:	31858
Ion	Ratio	Lower	Upper
69	100		
41	71.7	57.7	86.5
39	42.6	34.0	51.0





#57

1,3-Dichloropropane

Concen: 20.041 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX012317.D

Acq: 11 Sep 2019 23:02

Instrument :

MSVOA_X

ClientSampleId :

VX0911SBS02

Tot Ion: 76 Resp: 41679

Ion Ratio Lower Upper

76 100

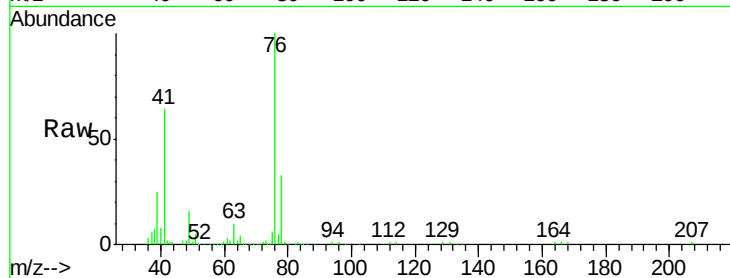
78 32.2 26.0 39.0

Manual Integrations

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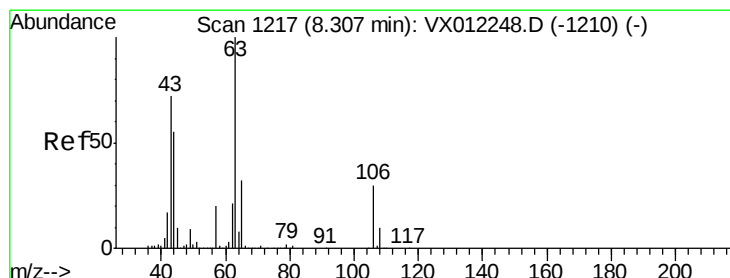
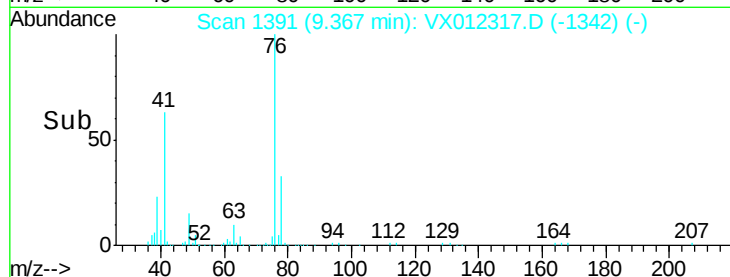
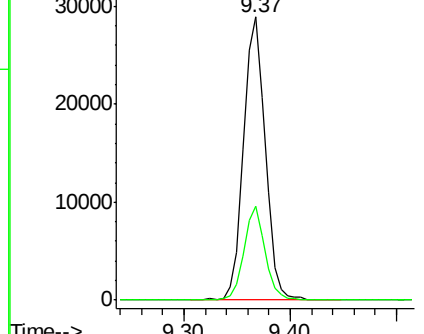
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 93.052 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX012317.D

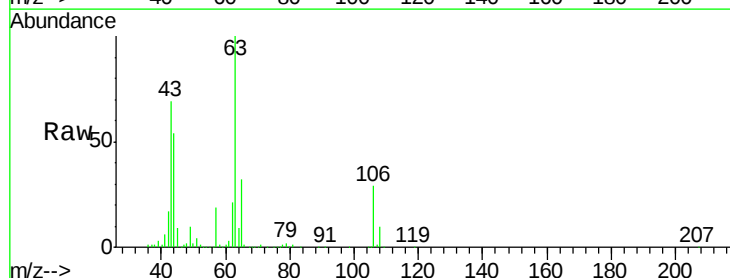
Acq: 11 Sep 2019 23:02

Tgt Ion: 63 Resp: 78630

Ion Ratio Lower Upper

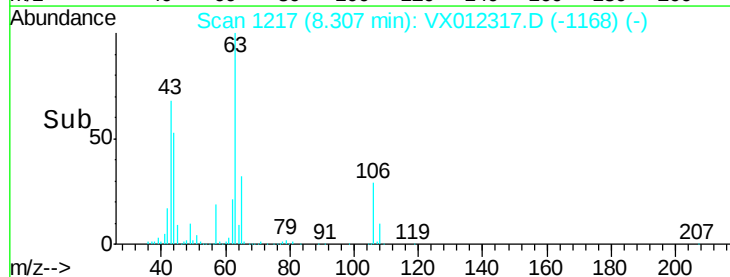
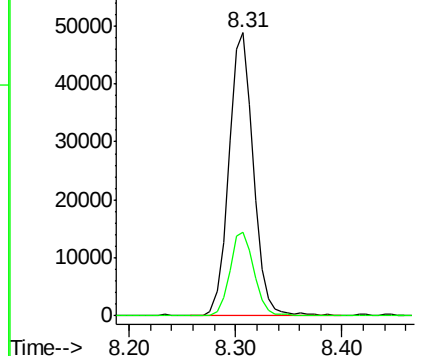
63 100

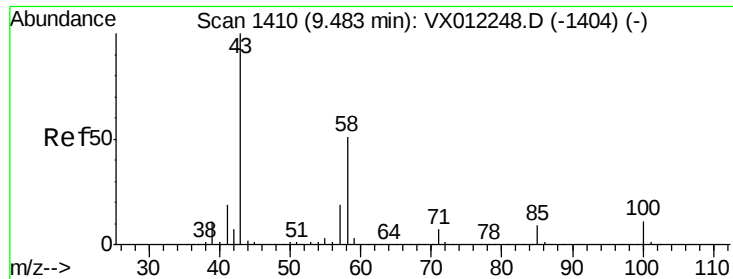
106 29.3 23.4 35.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





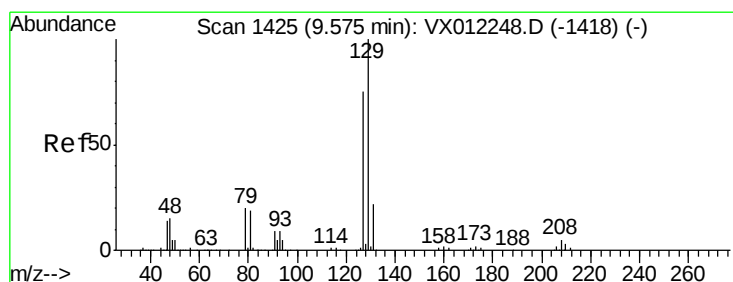
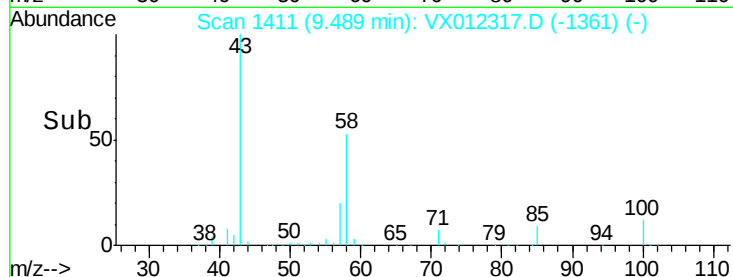
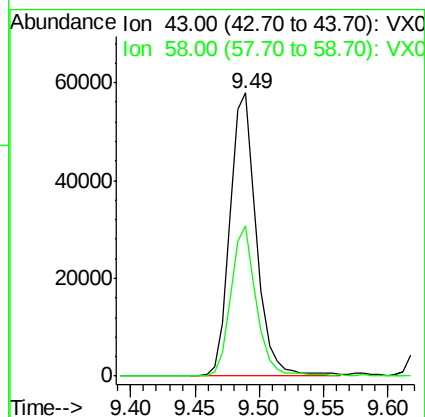
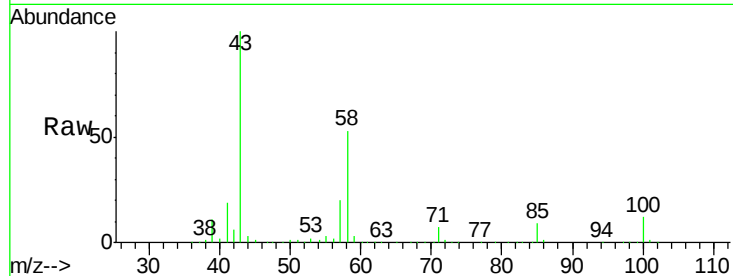
#59
2-Hexanone
Concen: 100.678 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.01 min
Lab File: VX012317.D
Acq: 11 Sep 2019 23:02

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBS02

Tot Ion: 43 Resp: 82656
Ion Ratio Lower Upper
43 100
58 51.4 25.8 77.3

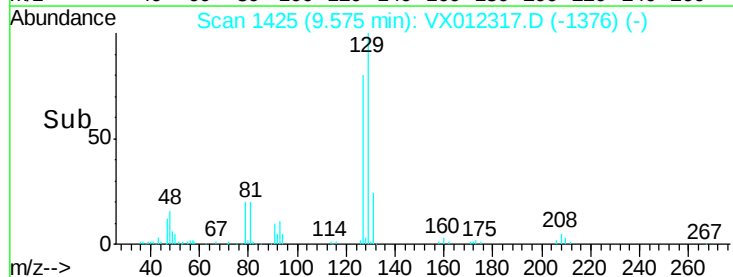
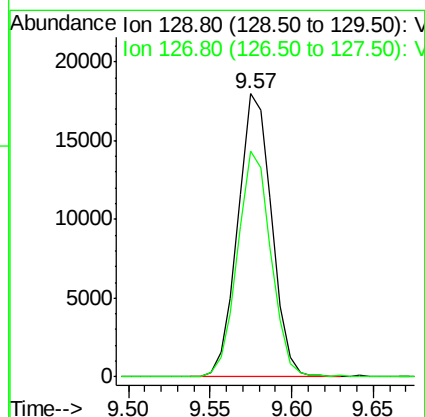
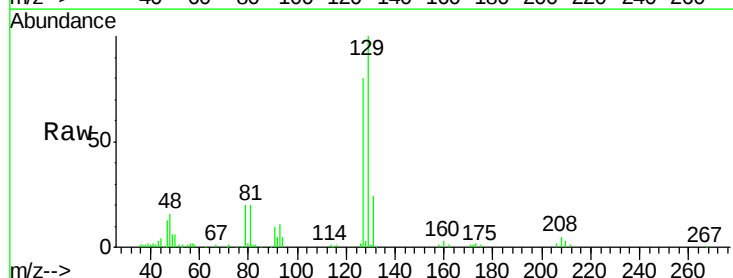
Manual Integrations
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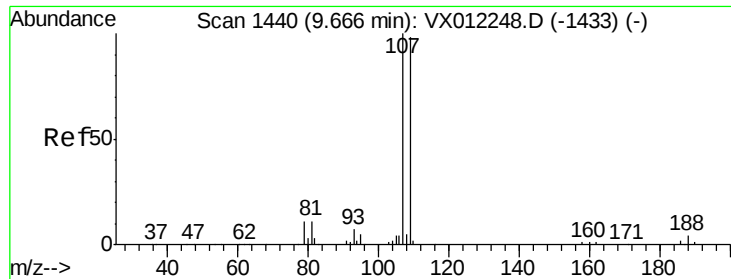
MMDadoda
9/12/2019 9:26:46 AM



#60
Dibromochloromethane
Concen: 18.258 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. 0.00 min
Lab File: VX012317.D
Acq: 11 Sep 2019 23:02

Tgt Ion: 129 Resp: 25954
Ion Ratio Lower Upper
129 100
127 78.8 38.1 114.3





#61

1,2-Dibromoethane

Concen: 19.565 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX012317.D

Acq: 11 Sep 2019 23:02

Instrument :

MSVOA_X

ClientSampleId :

VX0911SBS02

Tot Ion:107 Resp: 22176

Ion Ratio Lower Upper

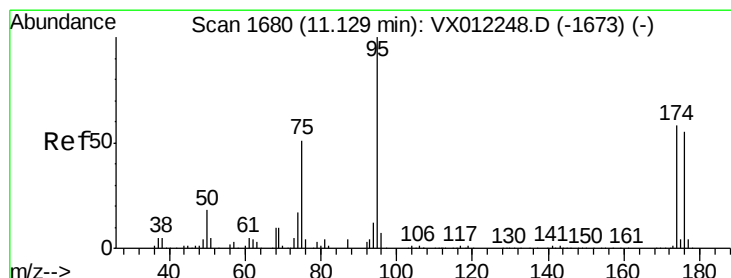
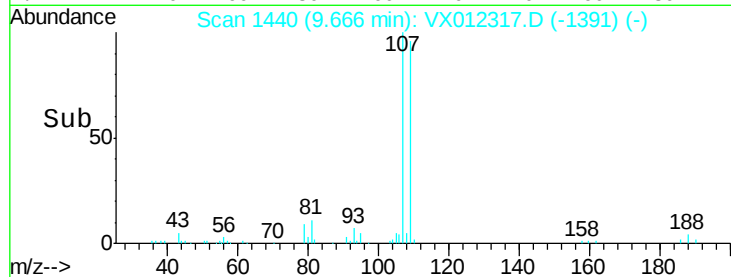
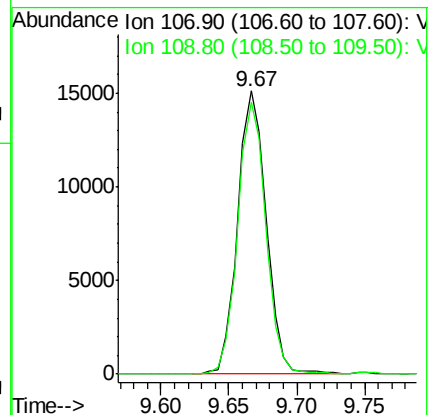
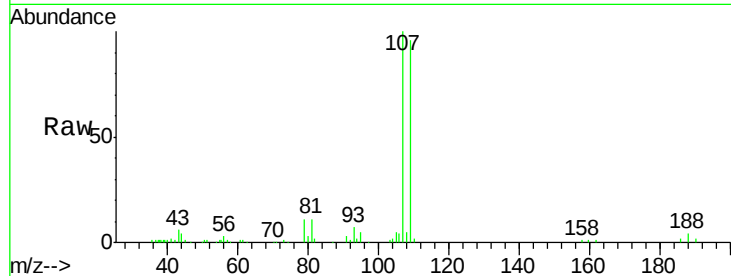
107 100

109 94.5 76.3 114.5

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9/12/2019 9:26:46 AM



#62

4-Bromofluorobenzene

Concen: 43.046 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX012317.D

Acq: 11 Sep 2019 23:02

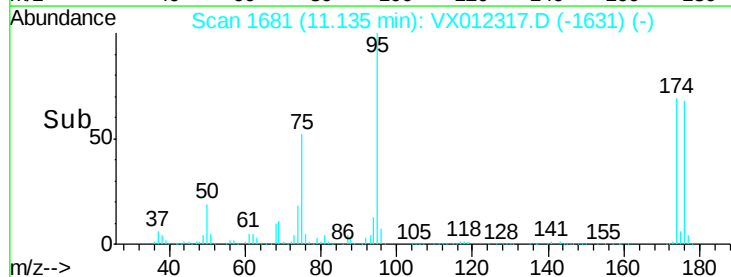
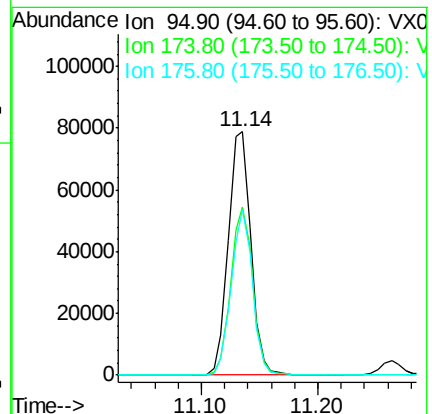
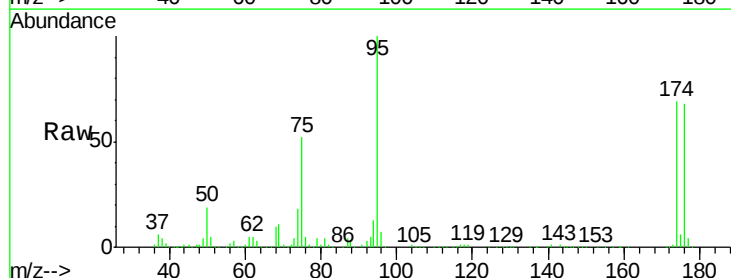
Tgt Ion: 95 Resp: 105632

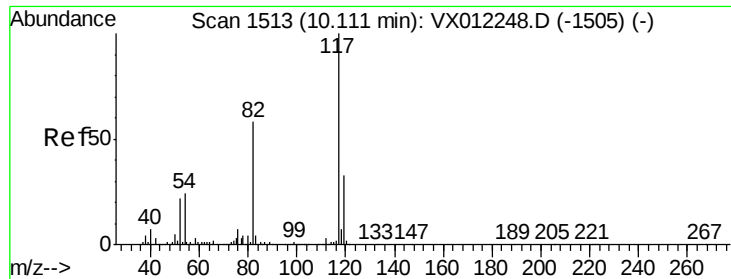
Ion Ratio Lower Upper

95 100

174 67.4 0.0 127.0

176 64.2 0.0 125.8





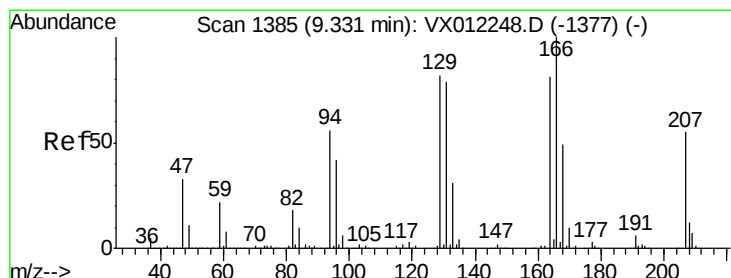
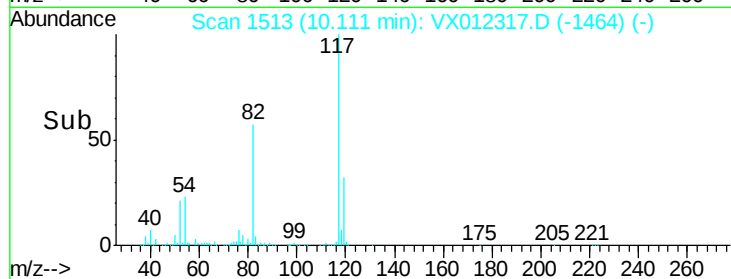
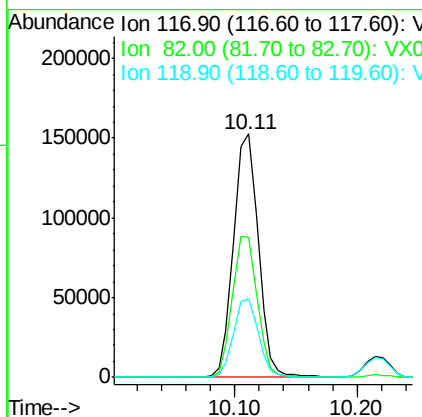
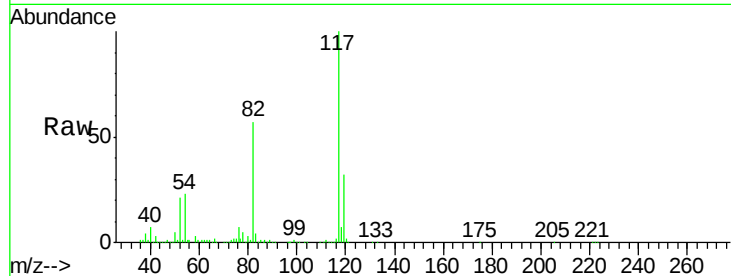
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012317.D
Acq: 11 Sep 2019 23:02

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	214477		
82	57.4	46.4	69.6	
119	32.3	26.6	39.8	

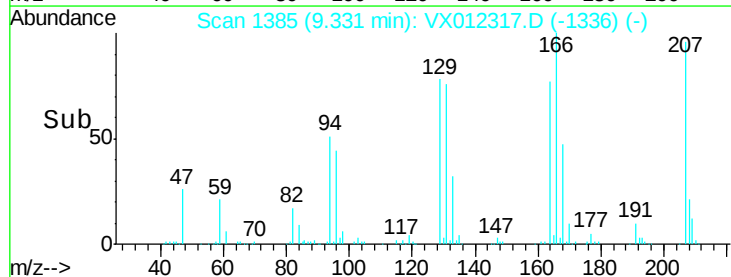
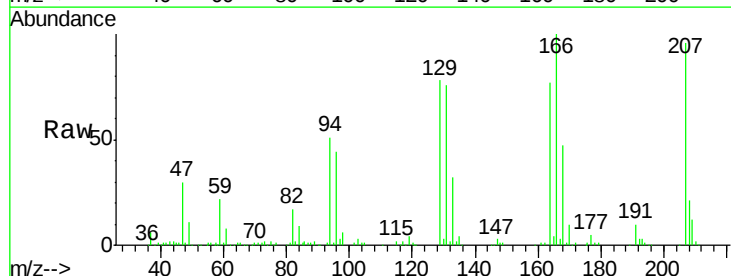
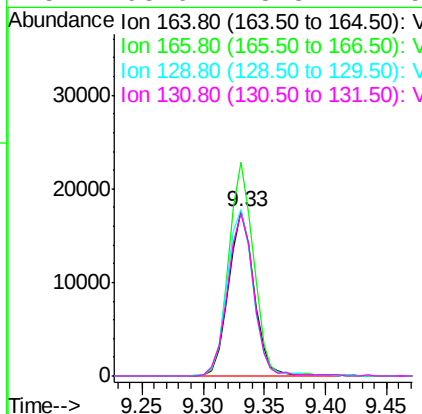
Manual Integrations
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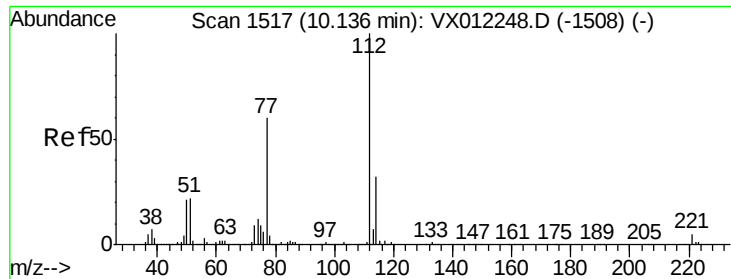
MMDadoda
9/12/2019 9:26:46 AM



#64
Tetrachloroethene
Concen: 22.251 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012317.D
Acq: 11 Sep 2019 23:02

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	25239		
166	129.4	99.4	149.0	
129	100.5	81.8	122.8	
131	98.6	78.3	117.5	





#65

Chlorobenzene

Concen: 19.801 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX012317.D

Acq: 11 Sep 2019 23:02

Instrument :

MSVOA_X

ClientSampleId :

VX0911SBS02

Tot Ion:112 Resp: 77598

Ion Ratio Lower Upper

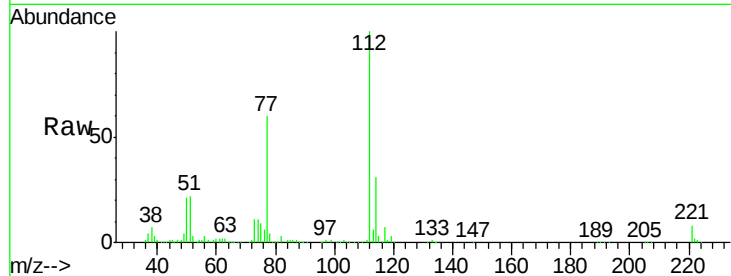
112 100

114 31.0 25.4 38.0

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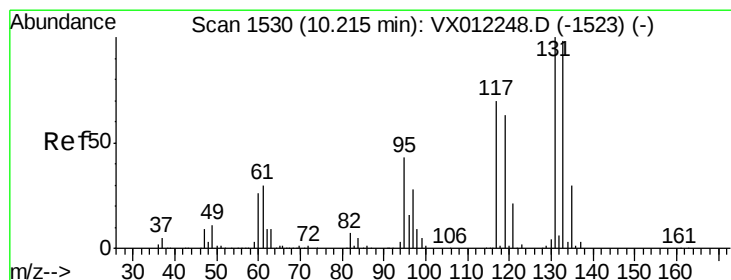
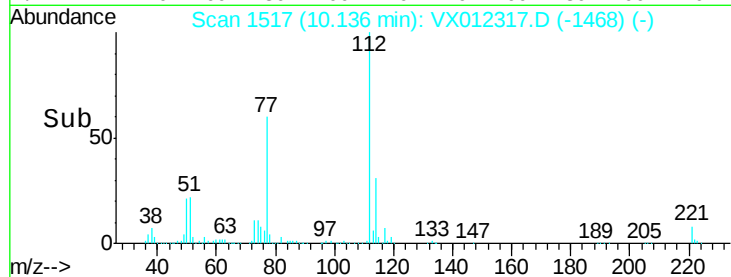
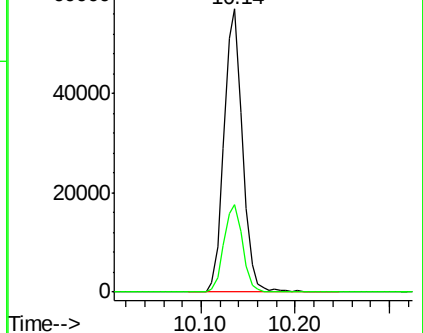
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.373 ug/l

RT: 10.22 min Scan# 1531

Delta R.T. 0.01 min

Lab File: VX012317.D

Acq: 11 Sep 2019 23:02

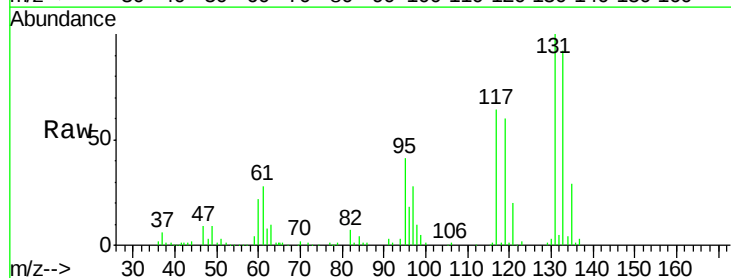
Tgt Ion:131 Resp: 28620

Ion Ratio Lower Upper

131 100

133 94.2 48.0 144.2

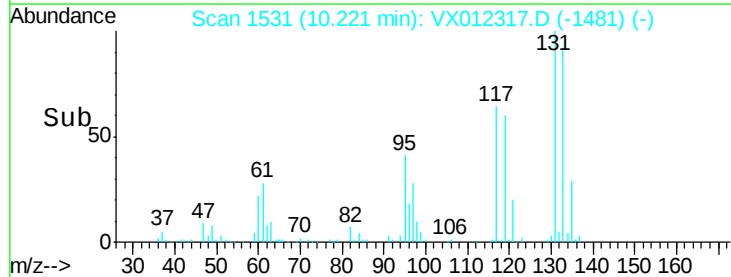
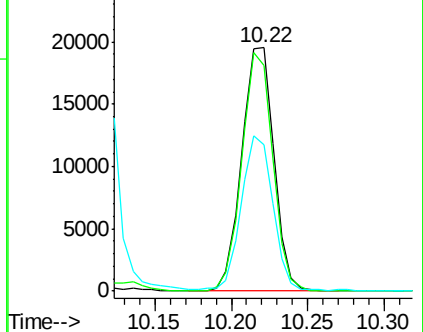
119 62.8 31.6 95.0

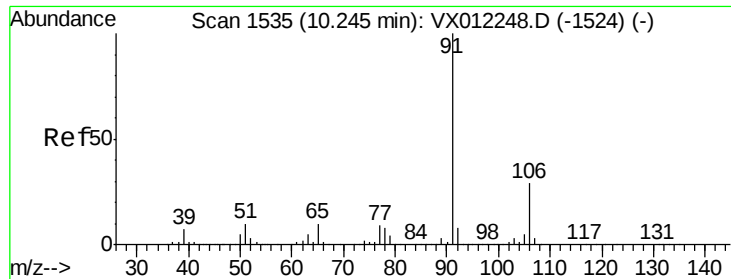


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





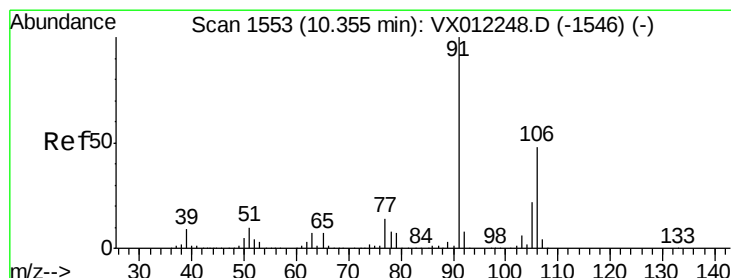
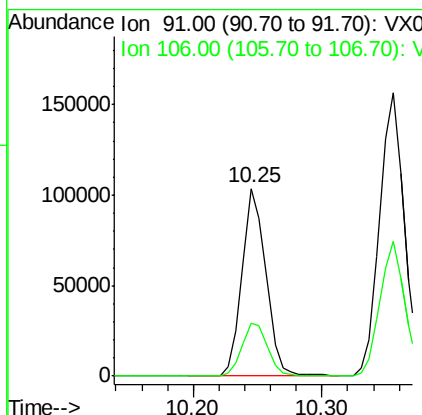
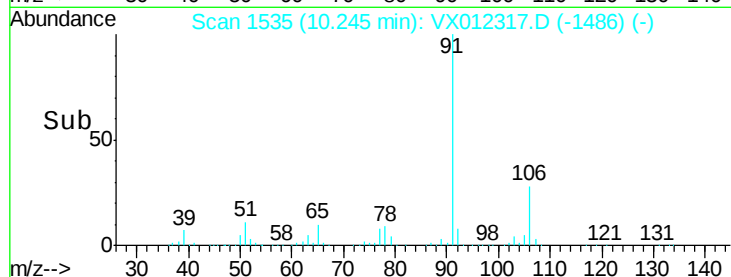
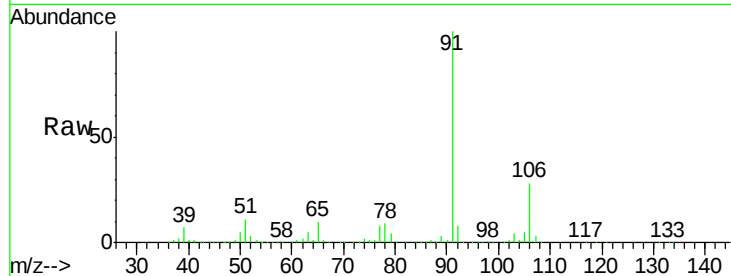
#67
Ethyl Benzene
Concen: 19.219 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX012317.D
Acq: 11 Sep 2019 23:02

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBS02

Tot Ion: 91 Resp: 133958
Ion Ratio Lower Upper
91 100
106 28.4 23.1 34.7

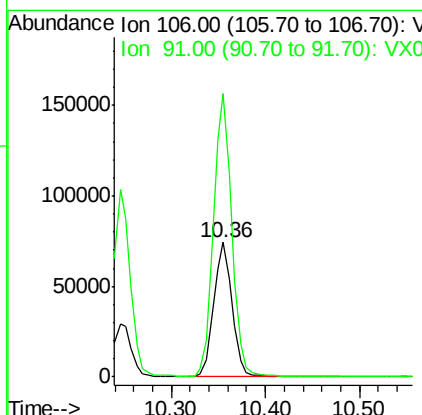
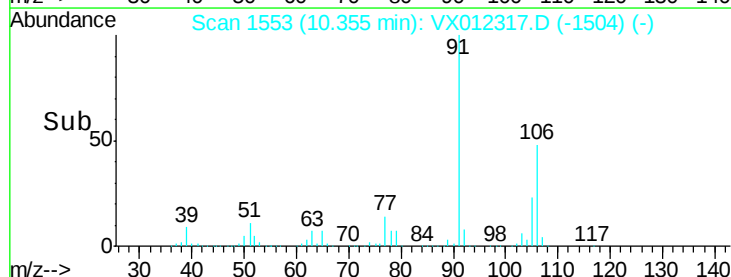
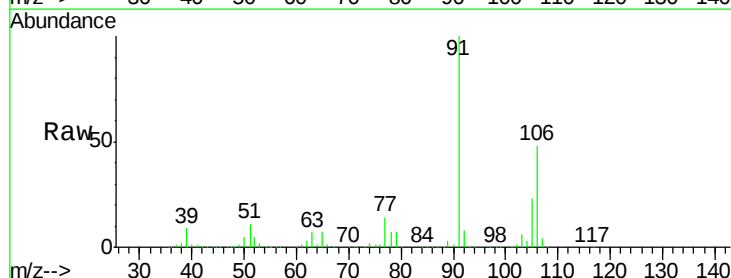
Manual Integrations
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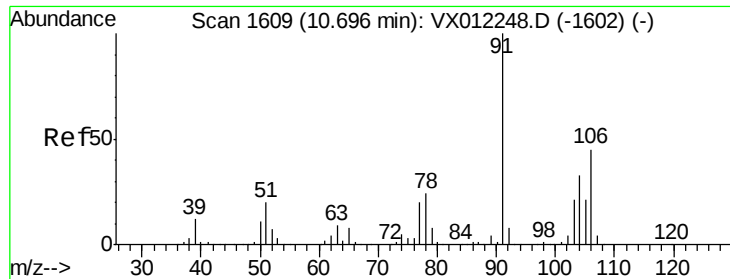
MMDadoda
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#68
m/p-Xylenes
Concen: 39.356 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX012317.D
Acq: 11 Sep 2019 23:02

Tgt Ion: 106 Resp: 100978
Ion Ratio Lower Upper
106 100
91 208.1 167.0 250.6





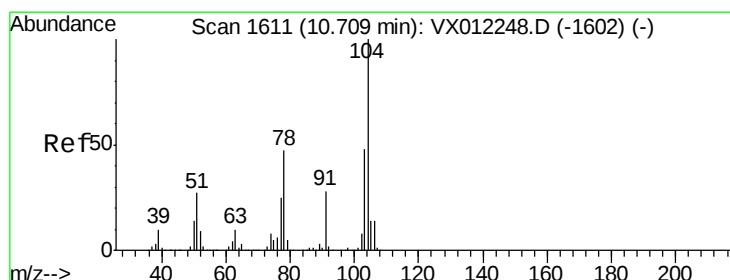
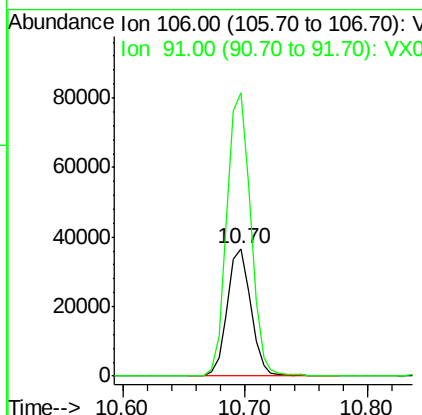
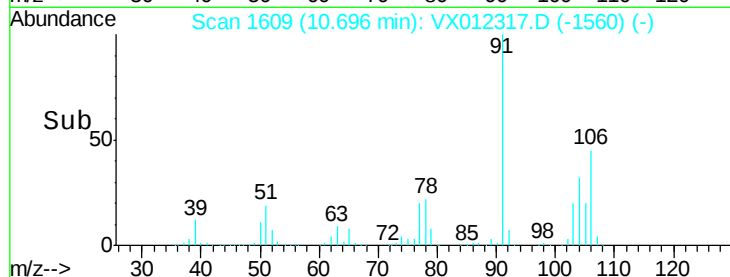
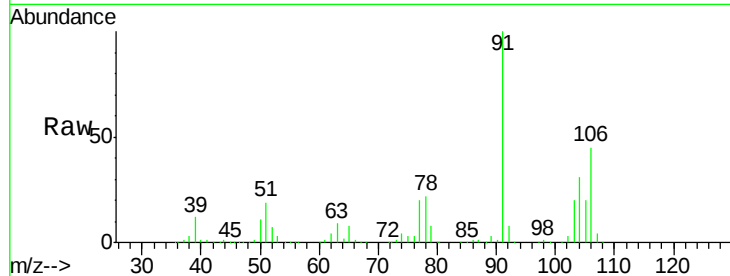
#69
o-Xylene
Concen: 19.465 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX012317.D
Acq: 11 Sep 2019 23:02

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBS02

Tot Ion:106 Resp: 48924
Ion Ratio Lower Upper
106 100
91 223.9 110.5 331.4

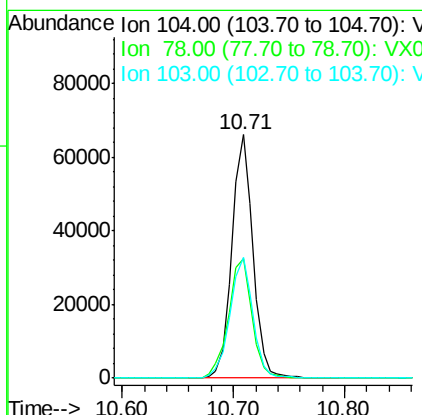
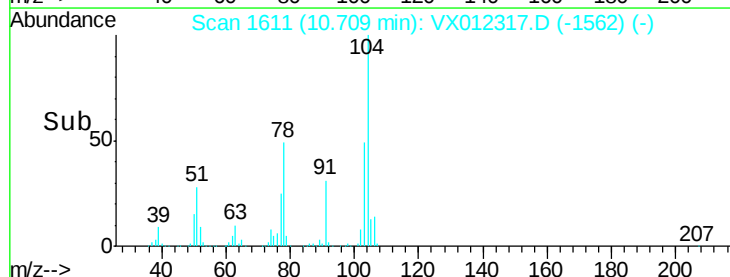
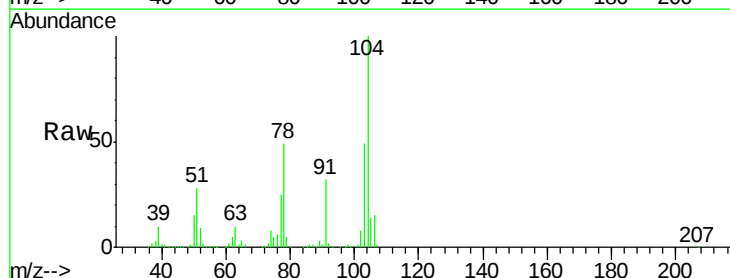
Manual Integrations
APPROVED

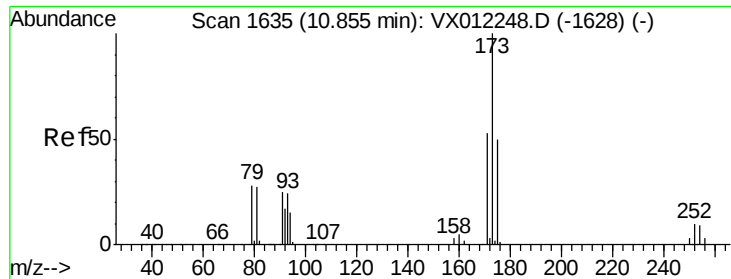
MMDadoda
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#70
Styrene
Concen: 19.419 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX012317.D
Acq: 11 Sep 2019 23:02

Tgt Ion:104 Resp: 86561
Ion Ratio Lower Upper
104 100
78 55.2 44.2 66.2
103 54.1 42.5 63.7





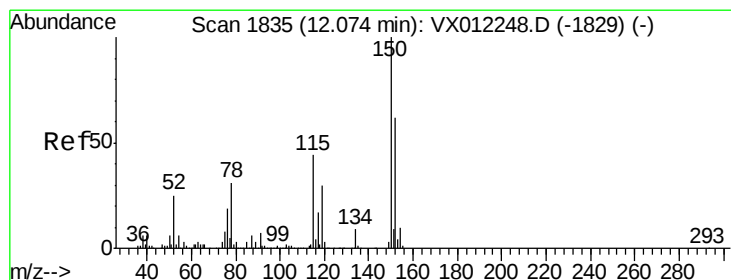
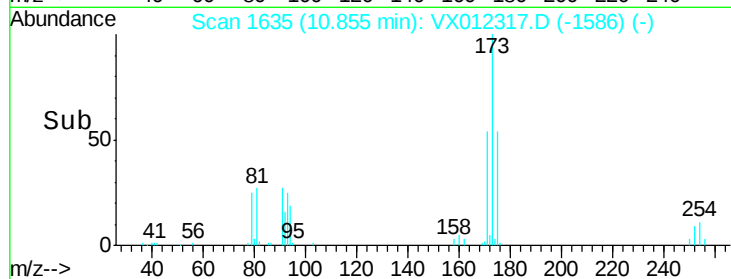
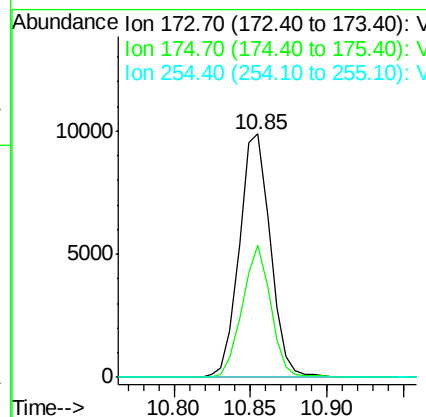
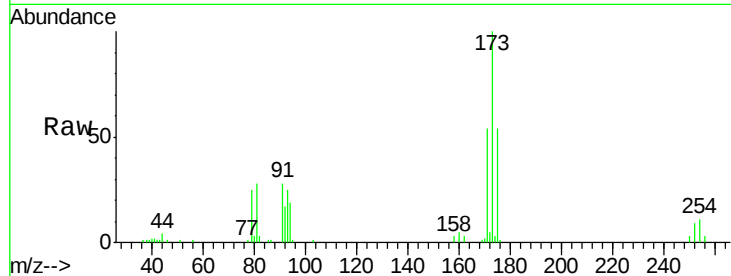
#71
Bromoform
Concen: 18.118 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX012317.D
Acq: 11 Sep 2019 23:02

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.5	73.5
254	0.0	0.2	0.4

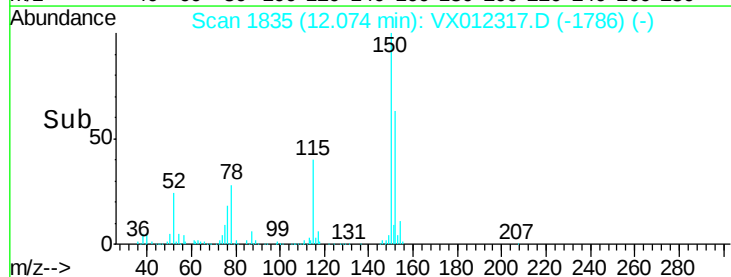
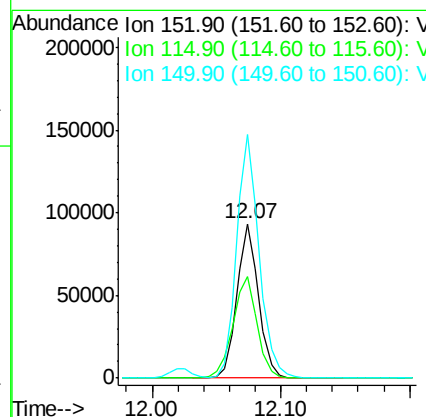
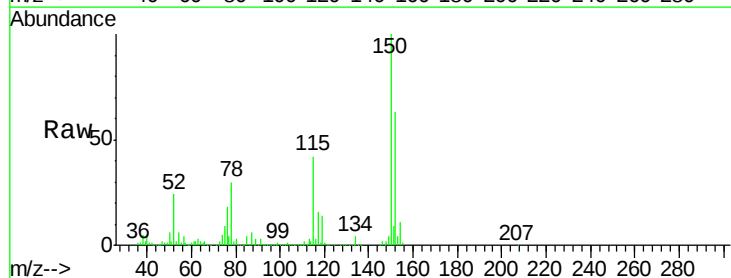
Manual Integrations
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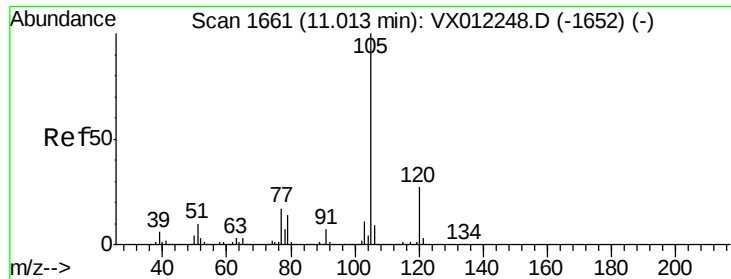
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012317.D
Acq: 11 Sep 2019 23:02

Tgt Ion	Ratio	Lower	Upper
152	100		
115	74.7	45.5	136.4
150	165.5	0.0	346.4





#73

Isopropylbenzene

Concen: 18.668 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012317.D

Acq: 11 Sep 2019 23:02

Instrument :

MSVOA_X

ClientSampleId :

VX0911SBS02

Tot Ion: 105 Resp: 133422

Ion Ratio Lower Upper

105 100

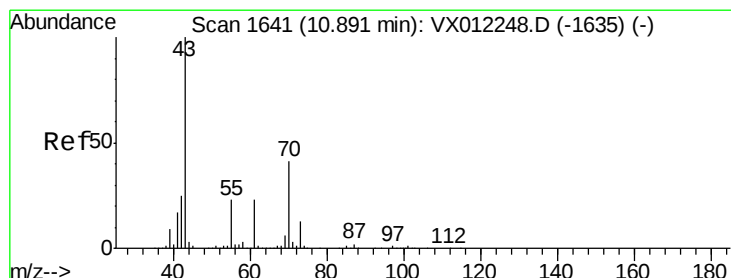
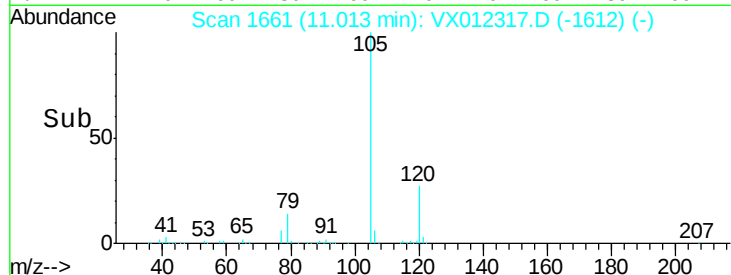
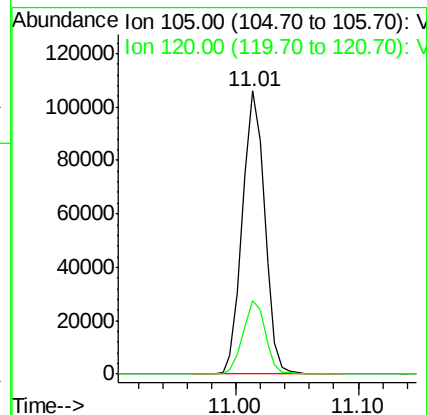
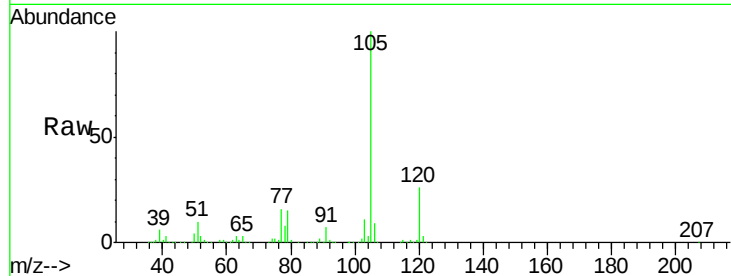
120 25.9 13.2 39.5

Manual Integrations

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#74

N-ethyl acetate

Concen: 17.494 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX012317.D

Acq: 11 Sep 2019 23:02

Tgt Ion: 43 Resp: 37176

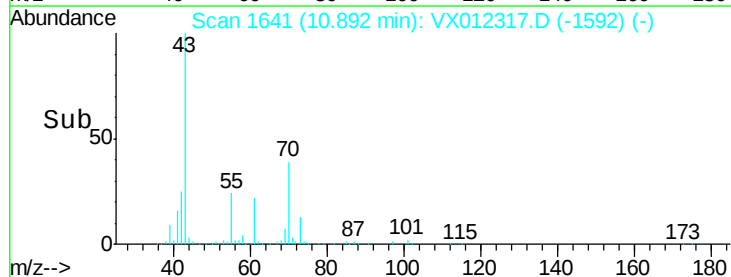
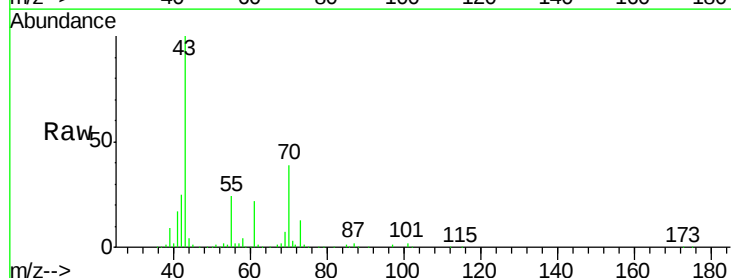
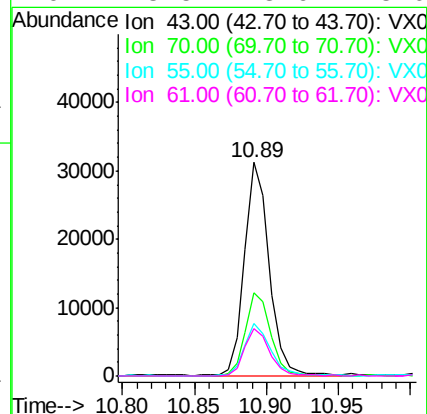
Ion Ratio Lower Upper

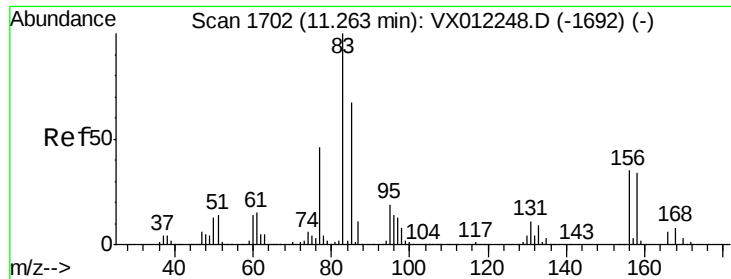
43 100

70 40.3 32.9 49.3

55 26.3 19.1 28.7

61 23.5 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.086 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX012317.D

Acq: 11 Sep 2019 23:02

Instrument :

MSVOA_X

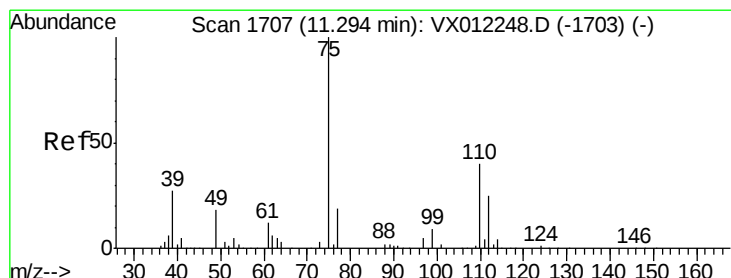
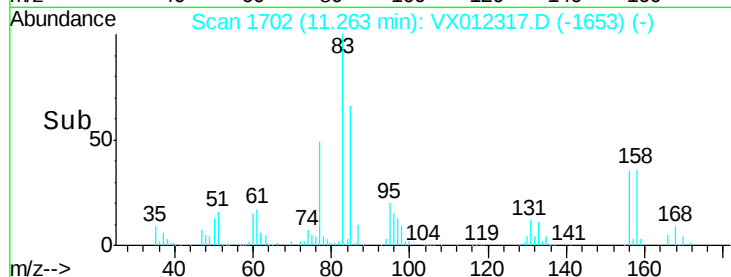
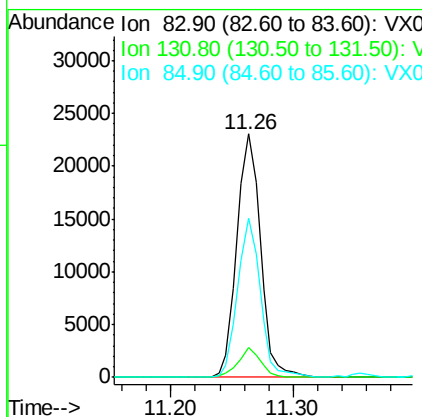
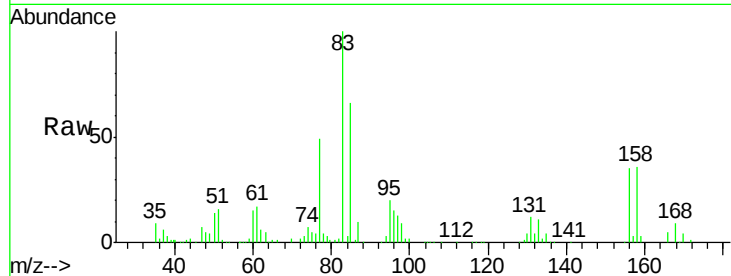
ClientSampleId :

VX0911SBS02

Tot Ion:	83	Resp:	30831
Ion Ratio	Lower	Upper	
83	100		
131	11.5	5.5	16.4
85	63.1	32.8	98.4

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#76

1,2,3-Trichloropropane

Concen: 19.044 ug/l m

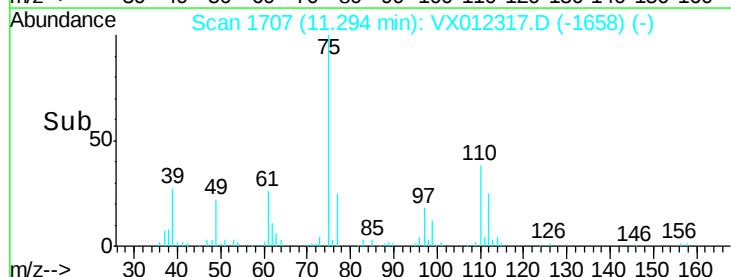
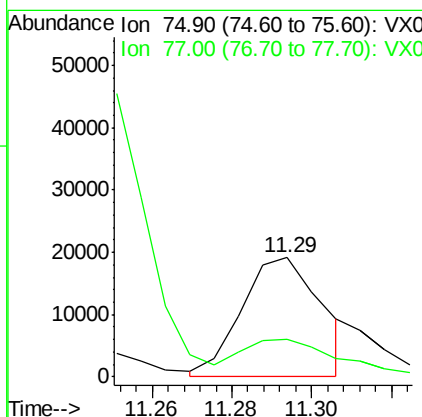
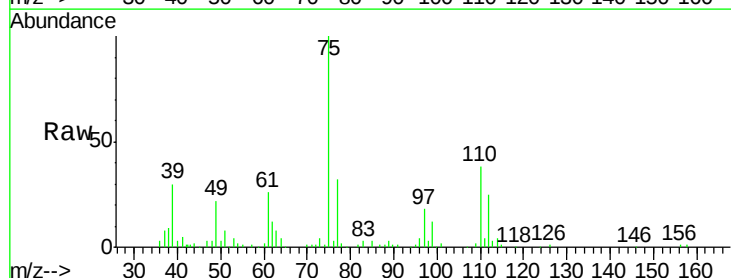
RT: 11.29 min Scan# 1707

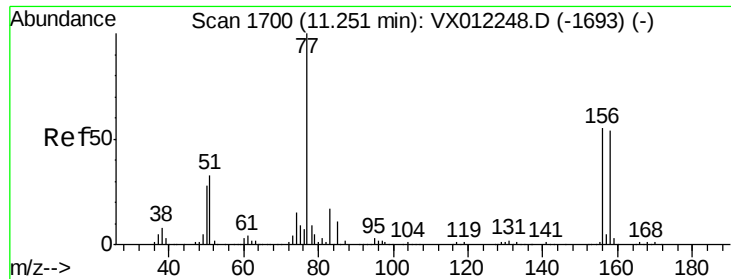
Delta R.T. 0.00 min

Lab File: VX012317.D

Acq: 11 Sep 2019 23:02

Tgt Ion:	75	Resp:	26560
Ion Ratio	Lower	Upper	
75	100		
77	38.5	19.7	59.0





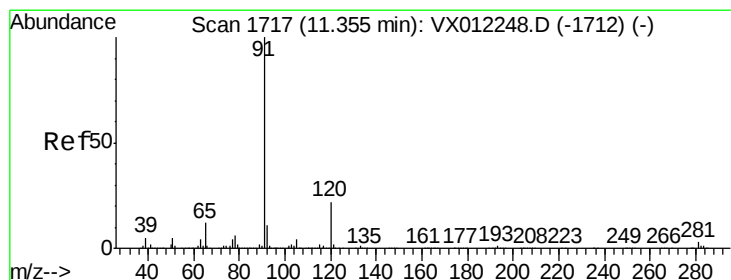
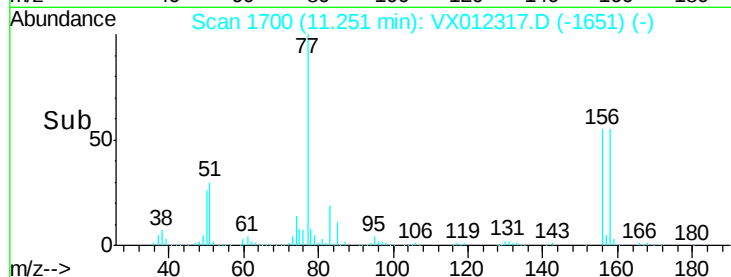
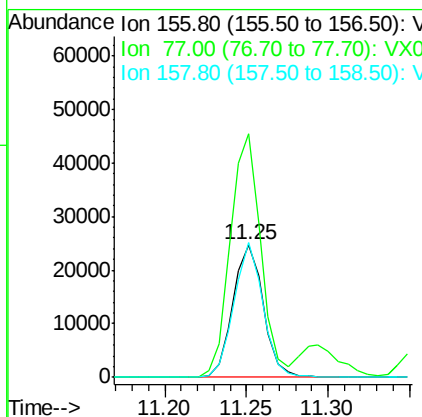
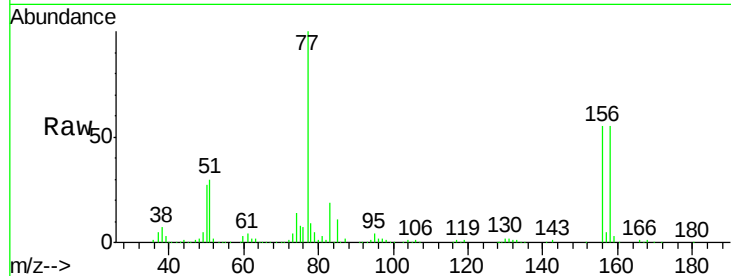
#77
Bromobenzene
Concen: 19.448 ug/l
RT: 11.25 min Scan# 1700
Delta R.T. 0.00 min
Lab File: VX012317.D
Acq: 11 Sep 2019 23:02

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBS02

Tot Ion	Ratio	Lower	Upper
156	100		
77	184.0	92.2	276.6
158	98.1	48.8	146.3

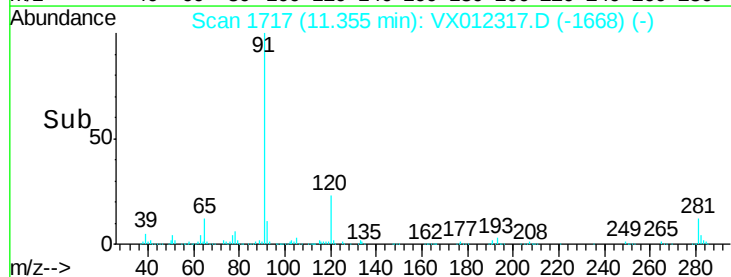
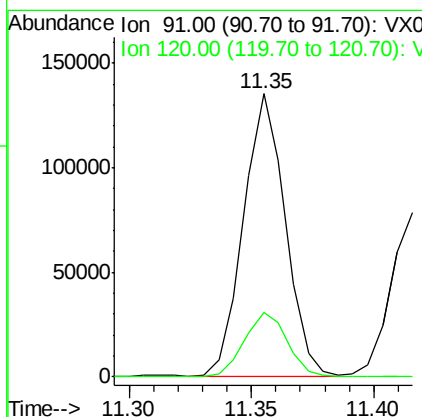
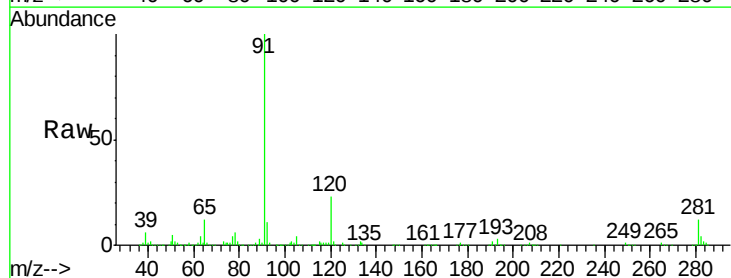
Manual Integrations
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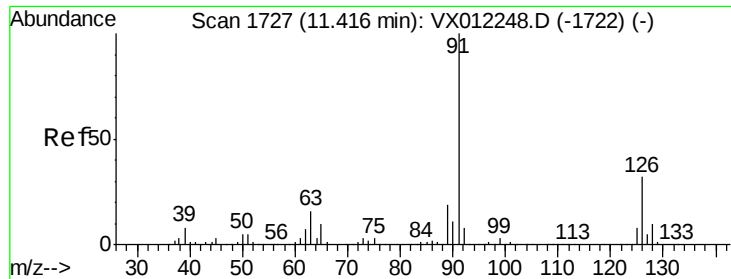
MMDadoda
9/12/2019 9:26:46 AM



#78
n-propylbenzene
Concen: 18.553 ug/l
RT: 11.35 min Scan# 1717
Delta R.T. 0.00 min
Lab File: VX012317.D
Acq: 11 Sep 2019 23:02

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.2	33.6





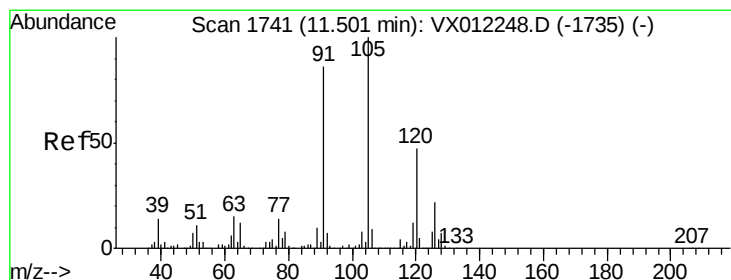
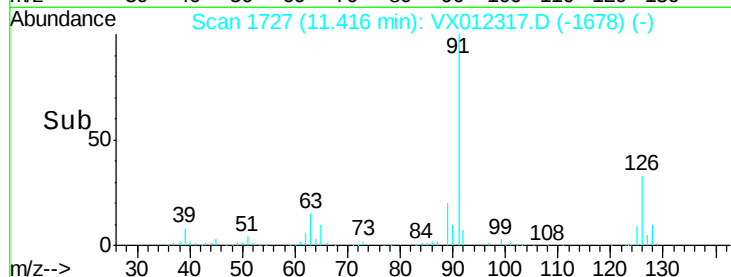
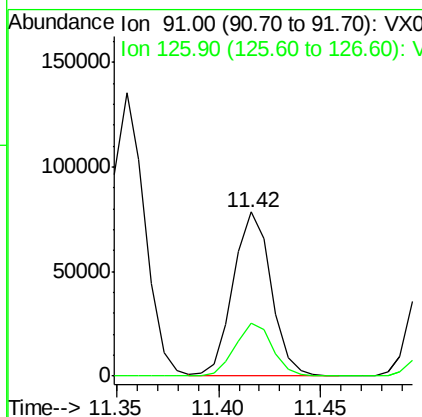
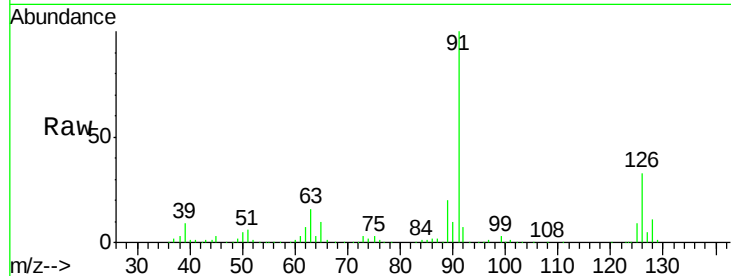
#79
 2-Chlorotoluene
 Concen: 18.759 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX012317.D
 Acq: 11 Sep 2019 23:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0911SBS02

Tot Ion: 91 Resp: 100309
 Ion Ratio Lower Upper
 91 100
 126 32.1 15.9 47.7

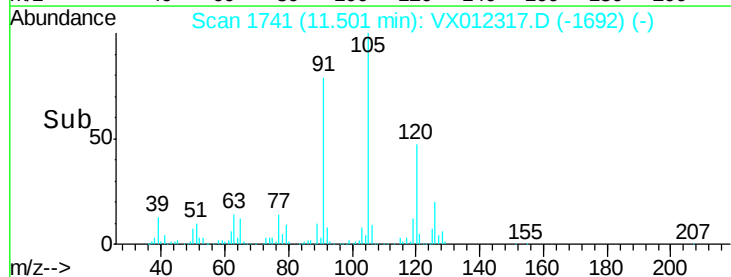
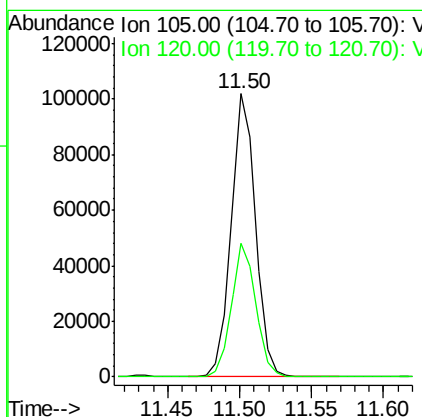
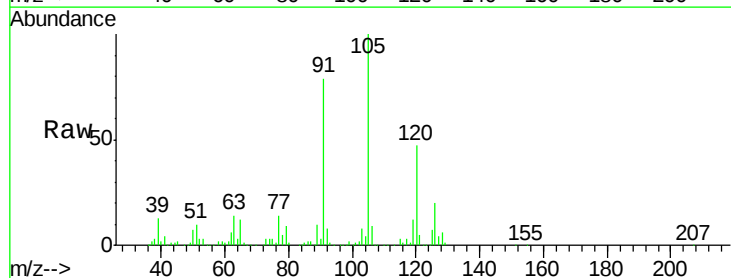
Manual Integrations
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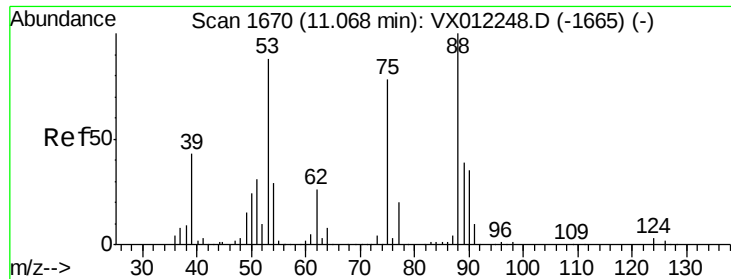
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 9/12/2019 9:26:46 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 18.963 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX012317.D
 Acq: 11 Sep 2019 23:02

Tgt Ion: 105 Resp: 121882
 Ion Ratio Lower Upper
 105 100
 120 47.4 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 15.915 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX012317.D

Acq: 11 Sep 2019 23:02

Instrument :

MSVOA_X

ClientSampleId :

VX0911SBS02

Tot Ion: 75 Resp: 7408

Ion Ratio Lower Upper

75 100

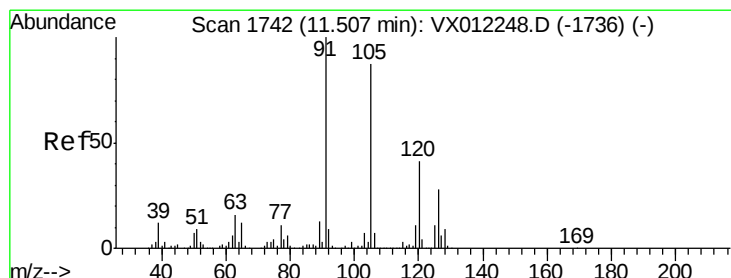
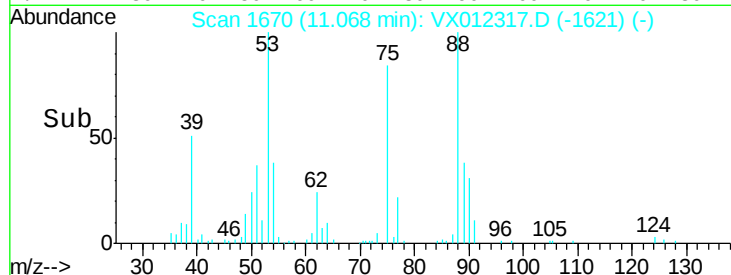
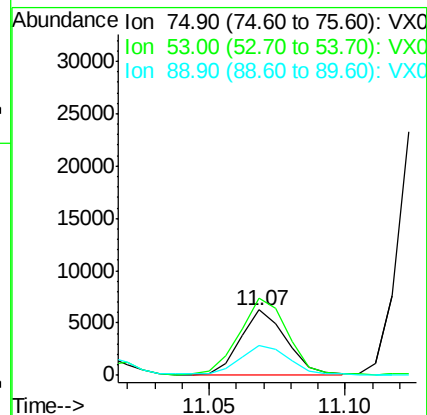
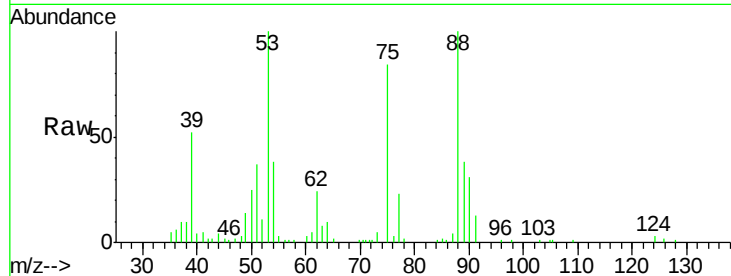
53 120.6 88.1 132.1

89 49.5 43.5 65.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.319 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX012317.D

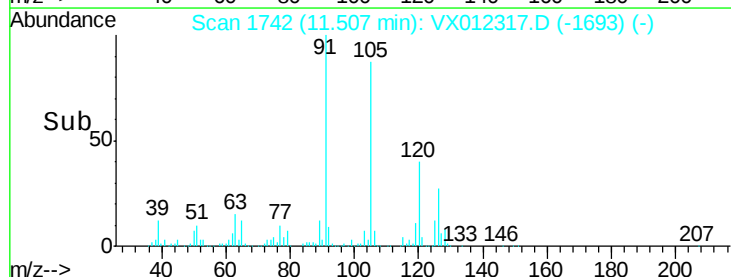
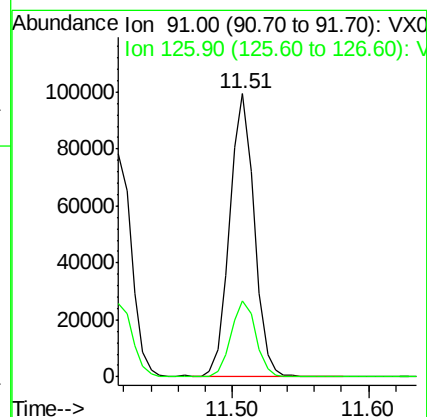
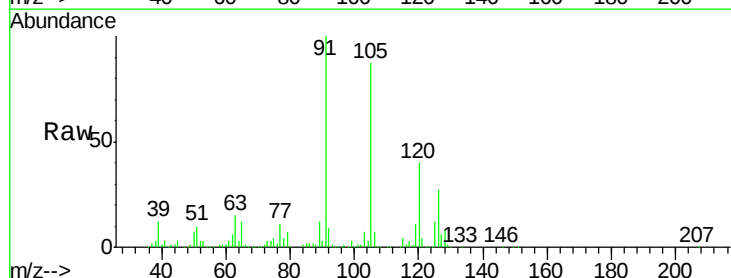
Acq: 11 Sep 2019 23:02

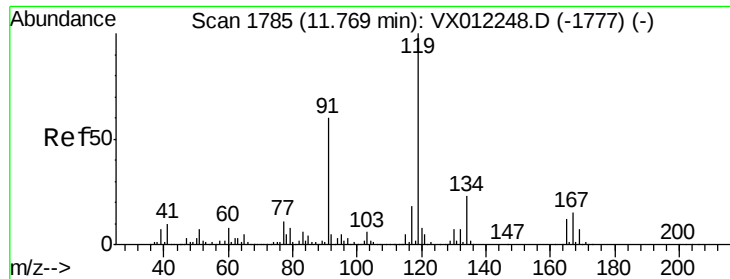
Tgt Ion: 91 Resp: 124149

Ion Ratio Lower Upper

91 100

126 27.4 14.0 42.0





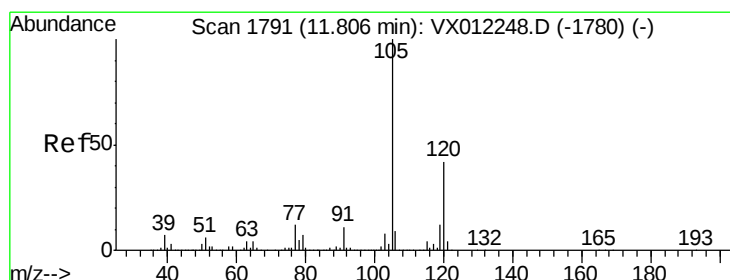
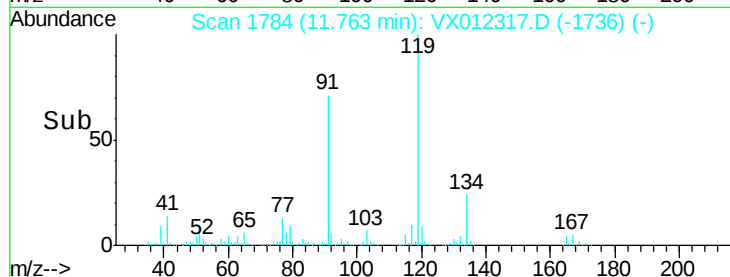
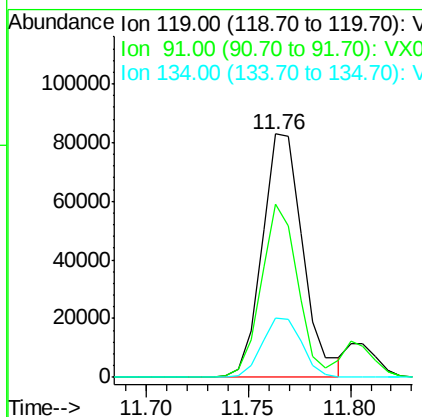
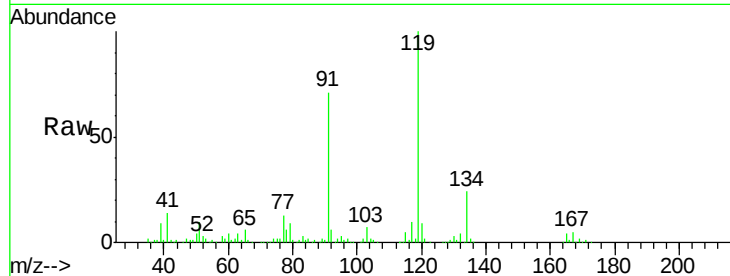
#83
tert-Butylbenzene
Concen: 18.511 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.01 min
Lab File: VX012317.D
Acq: 11 Sep 2019 23:02

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	115528		
91	63.6	30.9	92.8	
134	23.8	11.2	33.6	

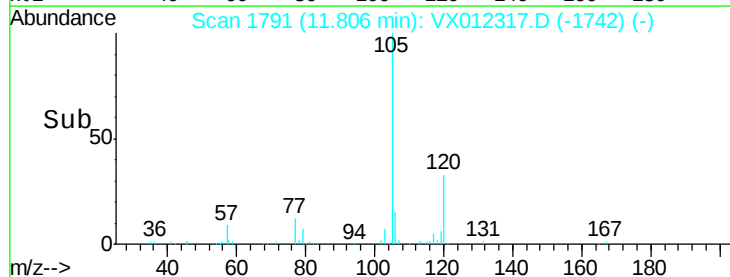
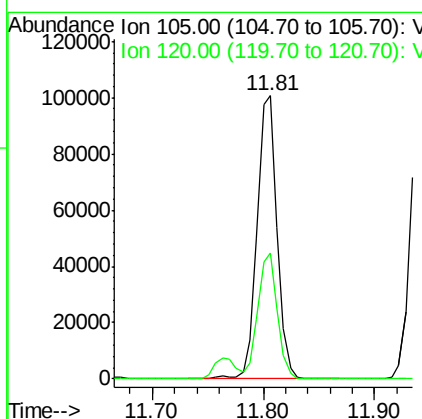
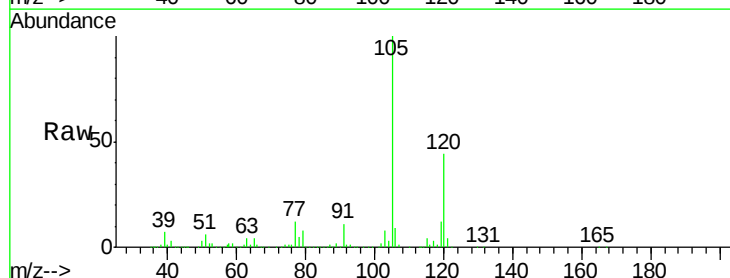
Manual Integrations
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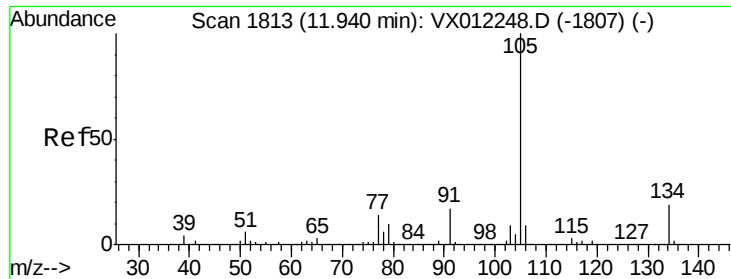
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#84
1,2,4-Trimethylbenzene
Concen: 19.003 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. 0.00 min
Lab File: VX012317.D
Acq: 11 Sep 2019 23:02

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	126257		
120	43.5	21.3	63.9	





#85

sec-Butylbenzene

Concen: 18.585 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX012317.D

Acq: 11 Sep 2019 23:02

Instrument :

MSVOA_X

ClientSampleId :

VX0911SBS02

Tot Ion:105 Resp: 138394

Ion Ratio Lower Upper

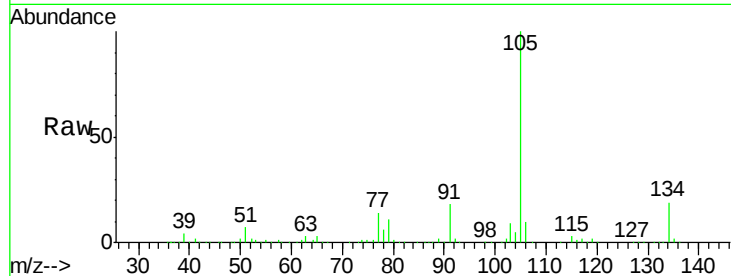
105 100

134 19.7 9.9 29.7

Manual Integrations
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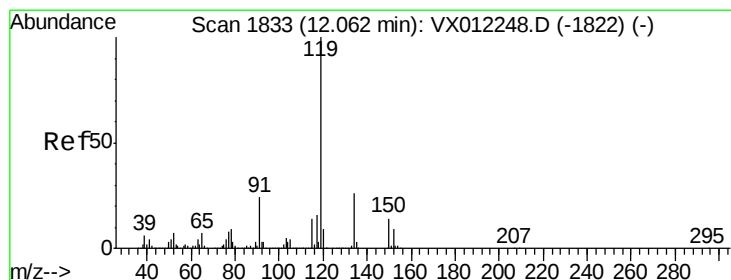
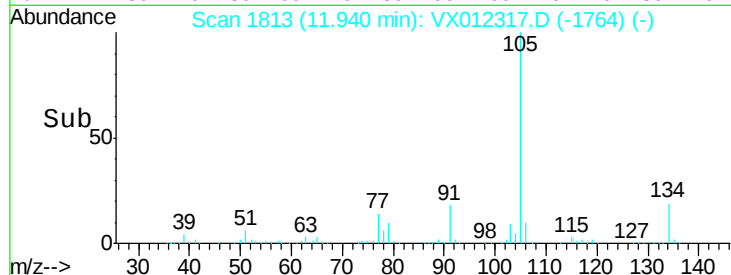
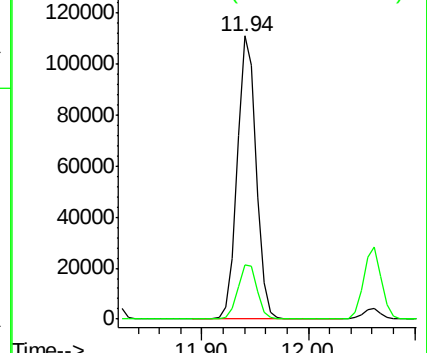
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 18.709 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX012317.D

Acq: 11 Sep 2019 23:02

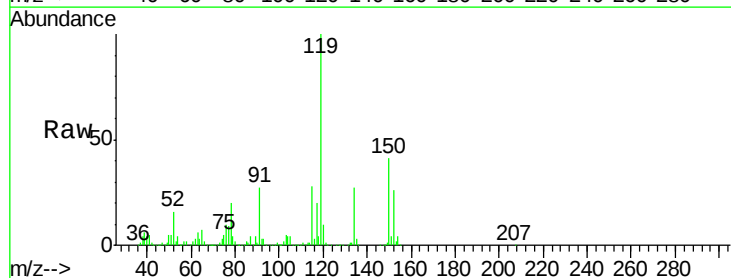
Tgt Ion:119 Resp: 128723

Ion Ratio Lower Upper

119 100

134 25.7 12.9 38.7

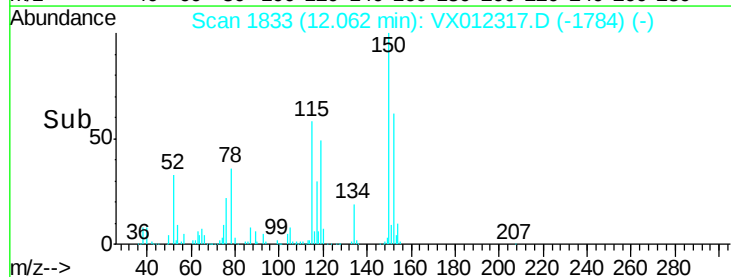
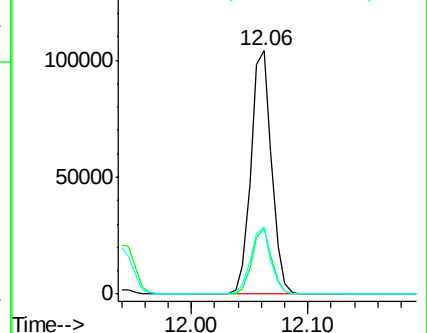
91 26.6 13.1 39.1

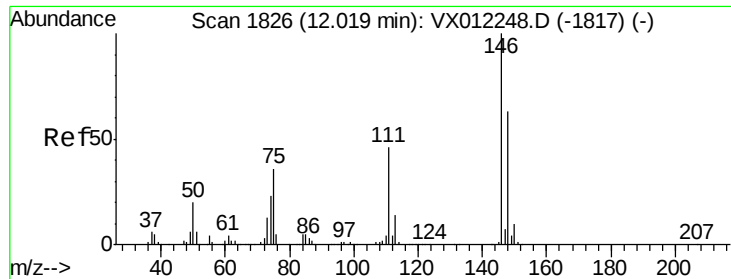


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





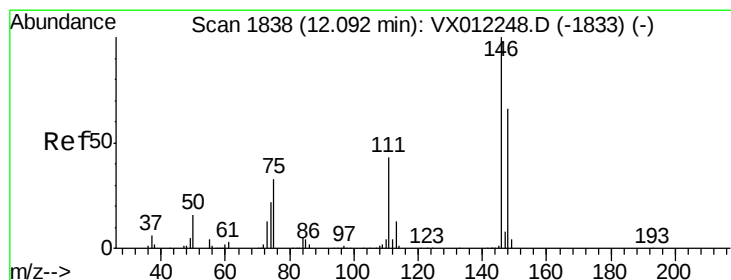
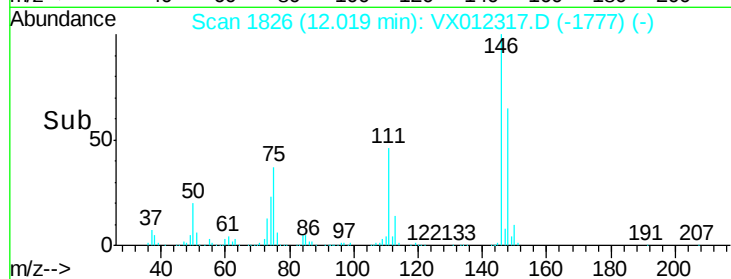
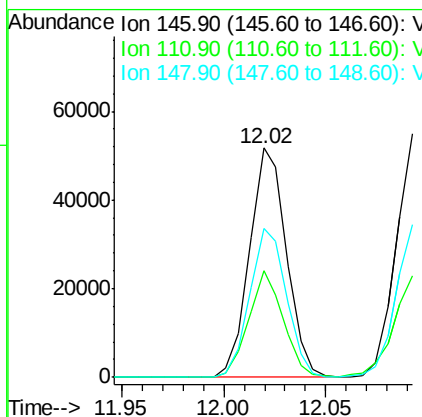
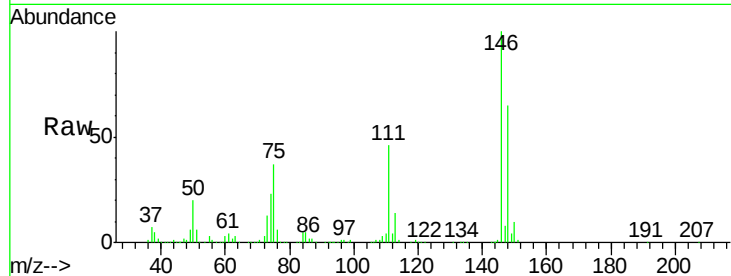
#87
 1,3-Dichlorobenzene
 Concen: 19.440 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX012317.D
 Acq: 11 Sep 2019 23:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0911SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.8	22.3	66.8
148	64.7	31.5	94.5

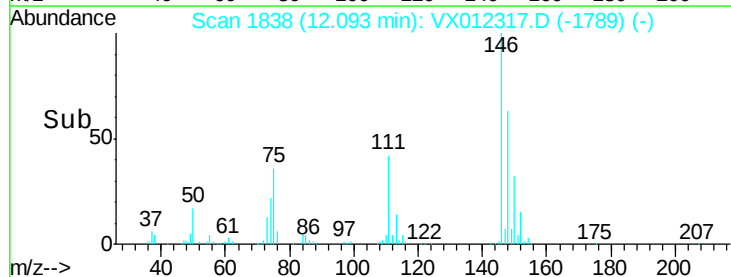
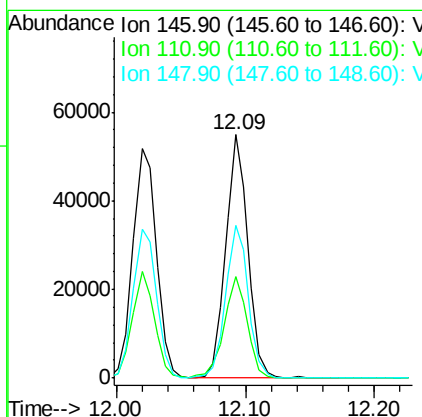
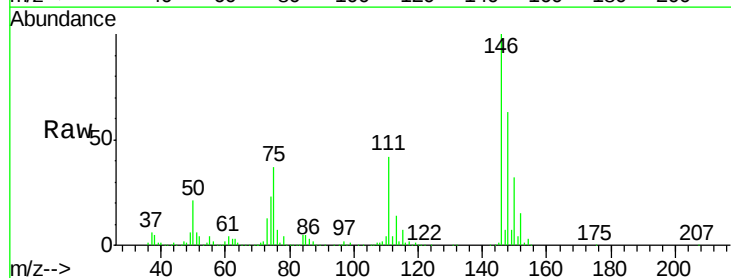
Manual Integrations
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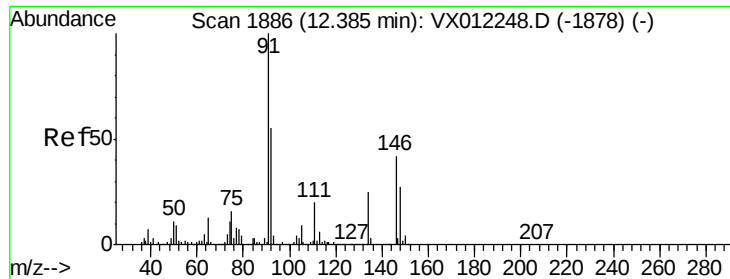
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#88
 1,4-Dichlorobenzene
 Concen: 19.627 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX012317.D
 Acq: 11 Sep 2019 23:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.6	64.8
148	63.7	32.4	97.2





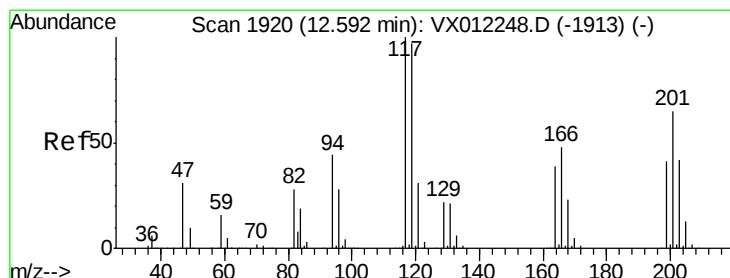
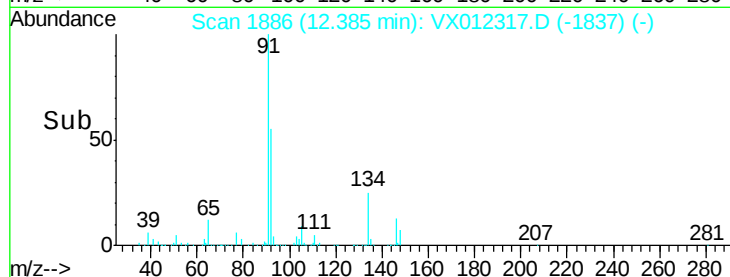
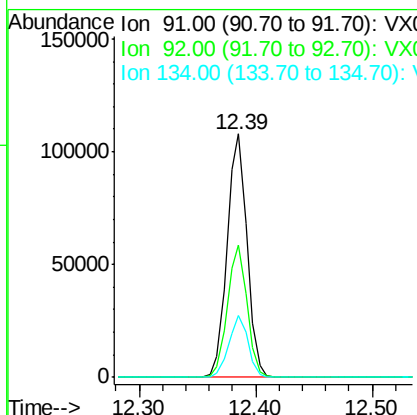
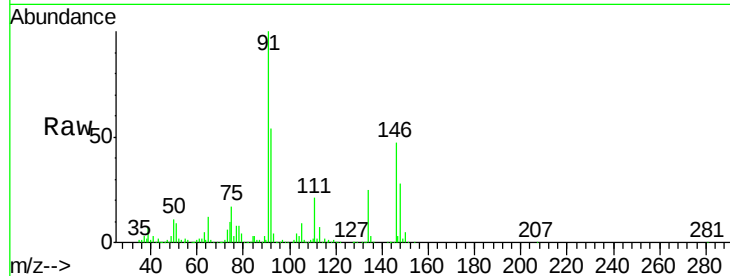
#89
n-Butylbenzene
Concen: 18.913 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX012317.D
Acq: 11 Sep 2019 23:02

Instrument :
MSVOA_X
ClientSampleId :
VX0911SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.7	27.6	82.7
134	24.8	12.5	37.5

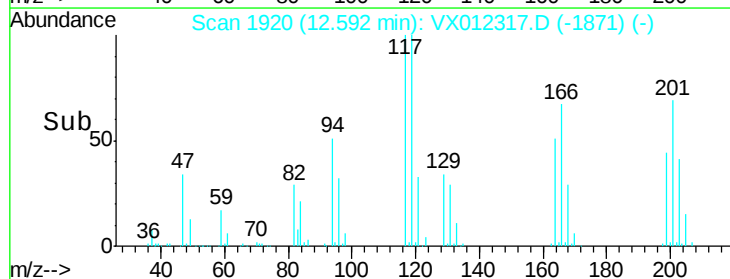
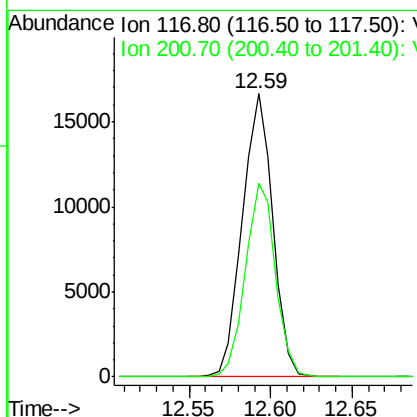
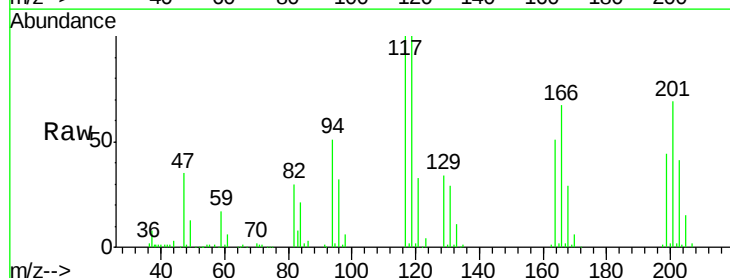
Manual Integrations
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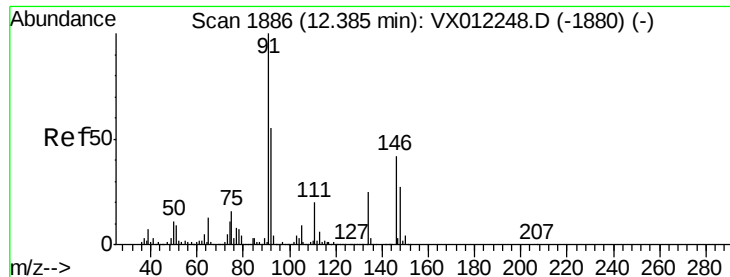
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#90
Hexachloroethane
Concen: 17.141 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX012317.D
Acq: 11 Sep 2019 23:02

Tgt Ion	Ratio	Lower	Upper
117	100		
201	67.6	32.2	96.6





#91

1,2-Dichlorobenzene

Concen: 19.764 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX012317.D

Acq: 11 Sep 2019 23:02

Instrument :

MSVOA_X

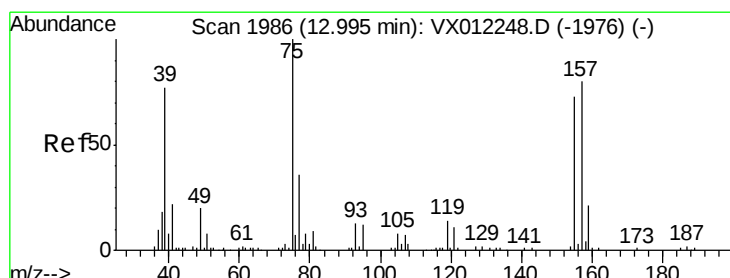
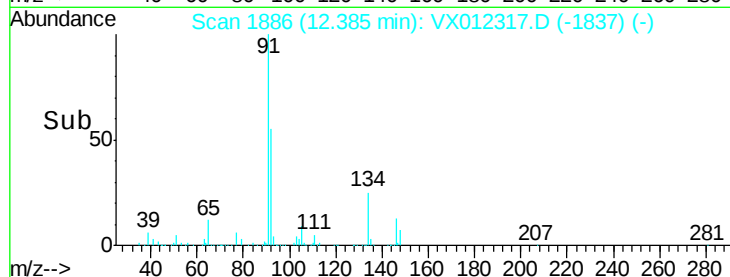
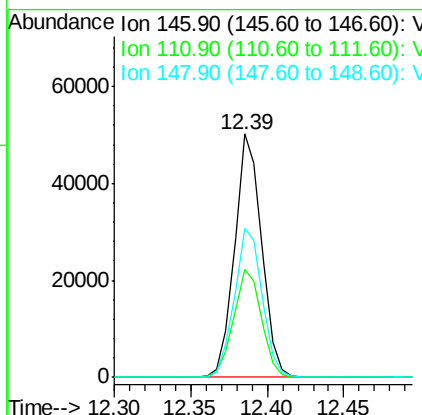
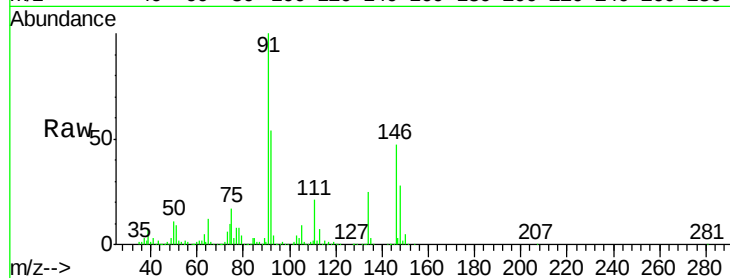
ClientSampleId :

VX0911SBS02

Tot Ion:	146	Resp:	61283
Ion Ratio	Lower	Upper	
146	100		
111	45.8	23.2	69.6
148	63.2	32.4	97.0

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 19.285 ug/l

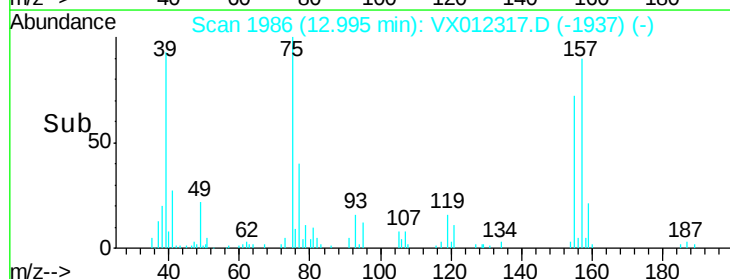
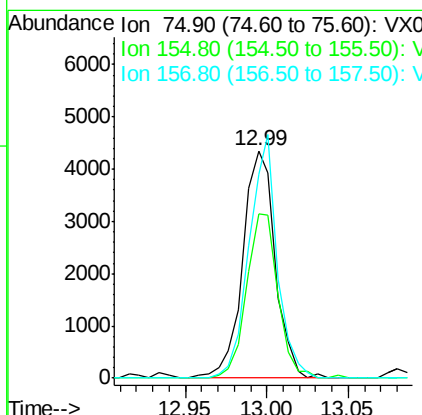
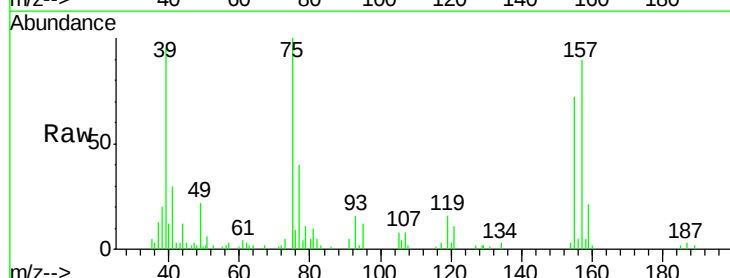
RT: 12.99 min Scan# 1986

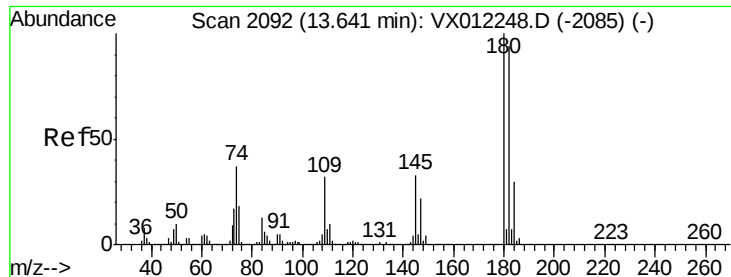
Delta R.T. 0.00 min

Lab File: VX012317.D

Acq: 11 Sep 2019 23:02

Tgt Ion:	75	Resp:	6042
Ion Ratio	Lower	Upper	
75	100		
155	69.8	35.3	105.7
157	92.4	43.2	129.6





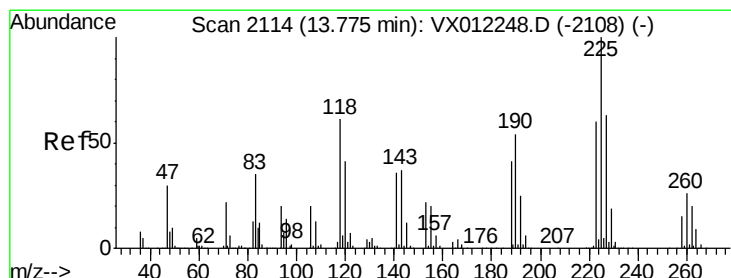
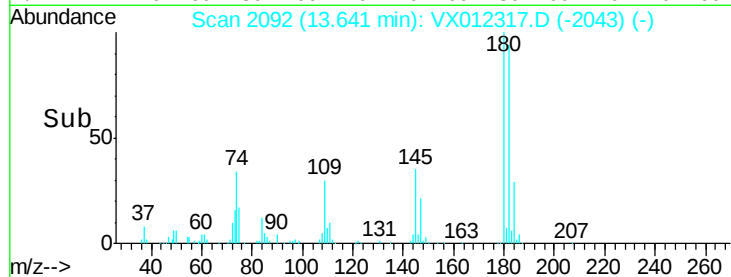
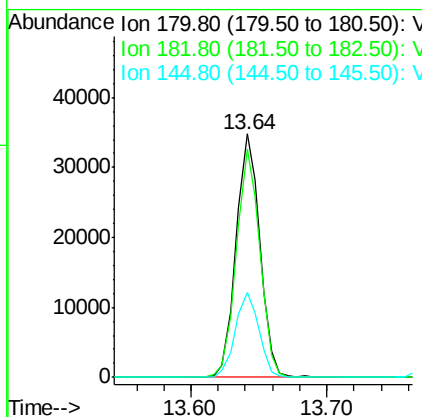
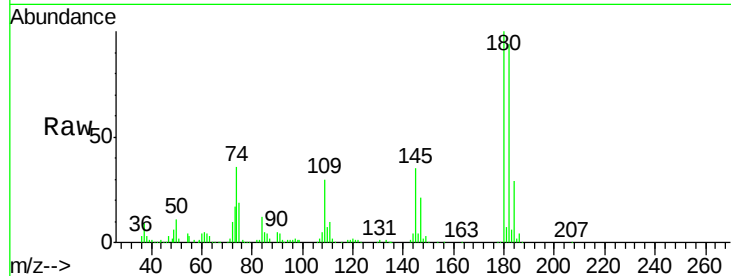
#93
 1,2,4-Trichlorobenzene
 Concen: 19.776 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX012317.D
 Acq: 11 Sep 2019 23:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0911SBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	42346		
182	92.4	46.9	140.8	
145	34.7	17.1	51.2	

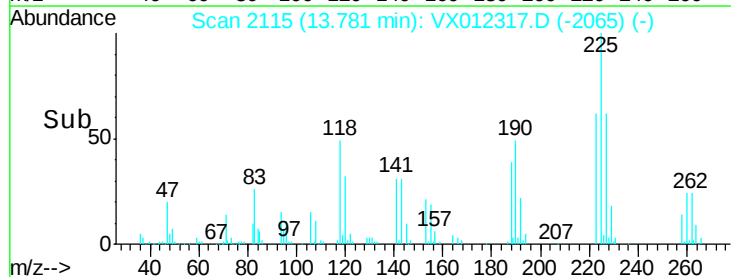
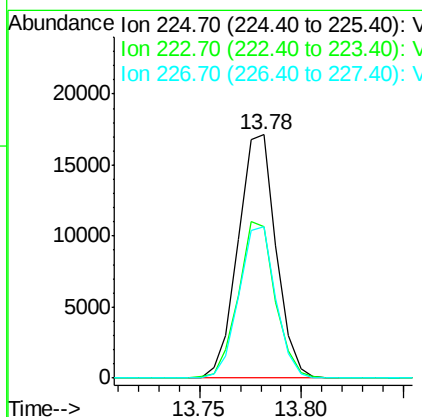
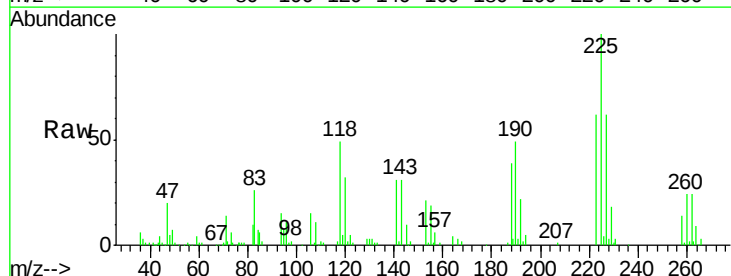
Manual Integrations
 APPROVED

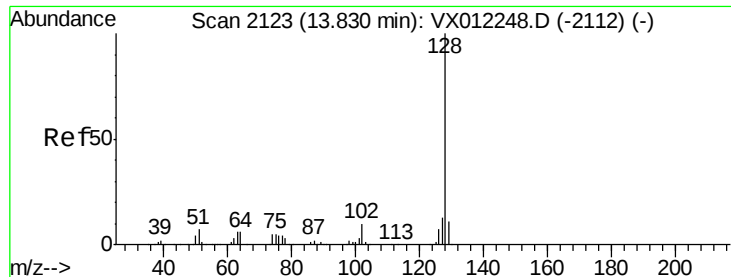
MMDadoda
 9/12/2019 9:26:46 AM



#94
 Hexachlorobutadiene
 Concen: 20.791 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. 0.01 min
 Lab File: VX012317.D
 Acq: 11 Sep 2019 23:02

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	22148		
223	62.1	32.1	96.5	
227	60.0	32.5	97.5	





#95

Naphthalene

Concen: 20.184 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX012317.D

Acq: 11 Sep 2019 23:02

Instrument :

MSVOA_X

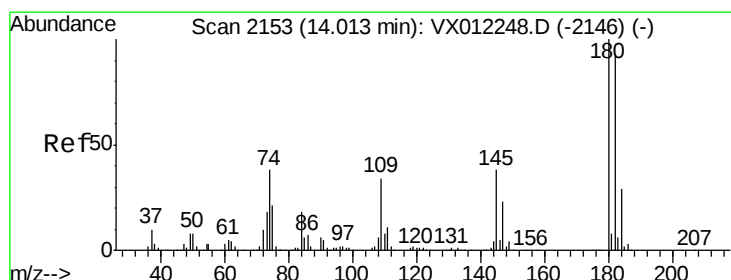
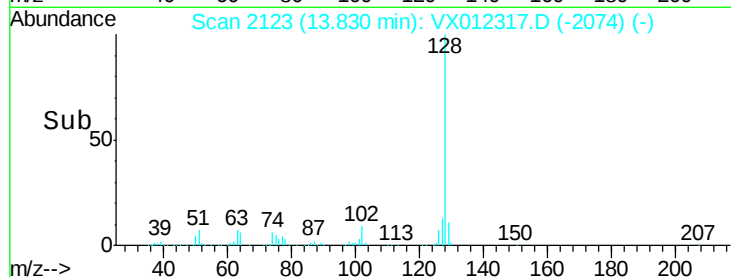
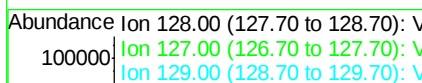
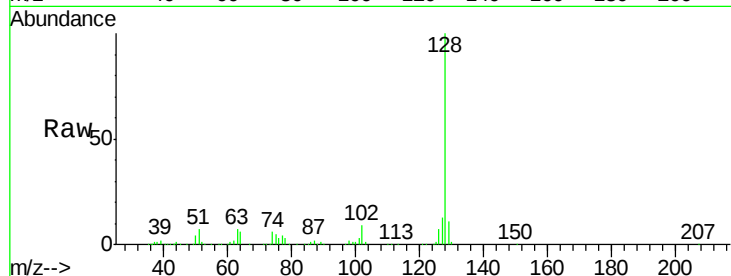
ClientSampleId :

VX0911SBS02

Tot Ion:	128	Resp:	92751
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	11.1	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
9/12/2019 9:26:46 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.147 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. 0.00 min

Lab File: VX012317.D

Acq: 11 Sep 2019 23:02

Tgt Ion:	180	Resp:	38170
Ion	Ratio	Lower	Upper
180	100		
182	92.7	47.0	141.0
145	38.0	18.6	55.8

