

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081319\
 Data File : VX011526.D
 Acq On : 13 Aug 2019 11:24
 Operator : JC/SP
 Sample : VX0813WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0813WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/14/2019 11:31:17 AM

Quant Time: Aug 14 01:22:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	161768	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	233661	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	219071	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	116698	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	83881	51.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.98%	
35) Dibromofluoromethane	5.49	113	71634	46.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.92%	
50) Toluene-d8	8.71	98	265212	46.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.12%	
62) 4-Bromofluorobenzene	11.13	95	100230	48.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.50%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.19	85	22351	17.889	ug/l 100
3) Chloromethane	1.32	50	23485	16.739	ug/l 100
4) Vinyl Chloride	1.40	62	25480	16.510	ug/l 98
5) Bromomethane	1.63	94	18769	17.052	ug/l 100
6) Chloroethane	1.71	64	17491	16.554	ug/l 98
7) Trichlorofluoromethane	1.92	101	48134	17.541	ug/l 98
8) Diethyl Ether	2.18	74	16762	17.107	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	28988	19.523	ug/l 98
10) Methyl Iodide	2.50	142	27707	14.801	ug/l 96
11) Tert butyl alcohol	3.04	59	32907	101.312	ug/l 99
12) 1,1-Dichloroethene	2.36	96	26385	17.927	ug/l 87
13) Acrolein	2.28	56	17116	84.502	ug/l 99
14) Allyl chloride	2.72	41	40100	20.437	ug/l 96
15) Acrylonitrile	3.13	53	76174	98.263	ug/l 98
16) Acetone	2.43	43	81550	105.169	ug/l 97
17) Carbon Disulfide	2.56	76	55282	16.006	ug/l 100
18) Methyl Acetate	2.76	43	37330	21.066	ug/l 100
19) Methyl tert-butyl Ether	3.18	73	88593	20.425	ug/l 97
20) Methylene Chloride	2.85	84	31174	18.357	ug/l 95
21) trans-1,2-Dichloroethene	3.15	96	28733	18.455	ug/l 93
22) Diisopropyl ether	3.84	45	85931	19.926	ug/l 92
23) Vinyl Acetate	3.80	43	365565	102.205	ug/l 98
24) 1,1-Dichloroethane	3.68	63	50235	19.755	ug/l 96
25) 2-Butanone	4.66	43	112746	102.215	ug/l 99
26) 2,2-Dichloropropane	4.57	77	40662	20.570	ug/l 99
27) cis-1,2-Dichloroethene	4.58	96	34477	19.225	ug/l 98
28) Bromochloromethane	5.00	49	22789	19.658	ug/l 93
29) Tetrahydrofuran	5.12	42	65611	97.012	ug/l 98
30) Chloroform	5.20	83	56772	20.542	ug/l 93
31) Cyclohexane	5.57	56	39007	18.593	ug/l 95
32) 1,1,1-Trichloroethane	5.48	97	48308	20.404	ug/l 99
36) 1,1-Dichloropropene	5.79	75	38061	18.657	ug/l 99
37) Ethyl Acetate	4.82	43	39840	19.469	ug/l 99
38) Carbon Tetrachloride	5.77	117	41212	20.079	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	42995	17.780	ug/l	99
40) Benzene	6.13	78	117482	19.298	ug/l	98
41) Methacrylonitrile	5.03	41	22349	19.998	ug/l	96
42) 1,2-Dichloroethane	6.18	62	43898	21.325	ug/l	98
43) Isopropyl Acetate	6.43	43	63940	19.544	ug/l	98
44) Trichloroethene	7.21	130	34833	18.903	ug/l	94
45) 1,2-Dichloropropane	7.51	63	29975	19.012	ug/l	94
46) Dibromomethane	7.66	93	22262	19.342	ug/l	96
47) Bromodichloromethane	7.89	83	39547	20.294	ug/l	99
48) Methyl methacrylate	7.76	41	31308	20.334	ug/l	98
49) 1,4-Dioxane	7.73	88	17418	390.217	ug/l	95
51) 4-Methyl-2-Pentanone	8.63	43	216984	102.768	ug/l	100
52) Toluene	8.78	92	78699	19.552	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	40947	19.857	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	45872	20.152	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	32595	19.696	ug/l	100
56) Ethyl methacrylate	9.17	69	47671	20.214	ug/l	98
57) 1,3-Dichloropropane	9.37	76	51733	19.766	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	110858	95.602	ug/l	98
59) 2-Hexanone	9.49	43	170651	104.347	ug/l	98
60) Dibromochloromethane	9.58	129	33853	19.980	ug/l	96
61) 1,2-Dibromoethane	9.67	107	35546	19.881	ug/l	97
64) Tetrachloroethene	9.33	164	35442	19.050	ug/l	96
65) Chlorobenzene	10.13	112	89130	18.975	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	31546	19.617	ug/l	99
67) Ethyl Benzene	10.25	91	151730	19.288	ug/l	97
68) m/p-Xylenes	10.35	106	116993	38.449	ug/l	96
69) o-Xylene	10.69	106	56333	18.843	ug/l	98
70) Styrene	10.71	104	96627	19.533	ug/l	98
71) Bromoform	10.85	173	23326	18.139	ug/l #	99
73) Isopropylbenzene	11.01	105	155947	19.539	ug/l	99
74) N-amyl acetate	10.89	43	56896	19.729	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	51698	19.437	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	43385m	20.414	ug/l	
77) Bromobenzene	11.25	156	41322	18.671	ug/l	95
78) n-propylbenzene	11.35	91	172911	19.481	ug/l	99
79) 2-Chlorotoluene	11.41	91	104091	19.676	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	132219	19.790	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	12825	19.183	ug/l	89
82) 4-Chlorotoluene	11.51	91	121155	19.651	ug/l	98
83) tert-Butylbenzene	11.77	119	128749	19.648	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	132942	19.985	ug/l	97
85) sec-Butylbenzene	11.94	105	152447	19.364	ug/l	99
86) p-Isopropyltoluene	12.06	119	142091	19.618	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	74574	19.070	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	74830	18.557	ug/l	97
89) n-Butylbenzene	12.38	91	118593	19.006	ug/l	99
90) Hexachloroethane	12.59	117	19961	18.641	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	76419	19.449	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	10283	19.955	ug/l	93

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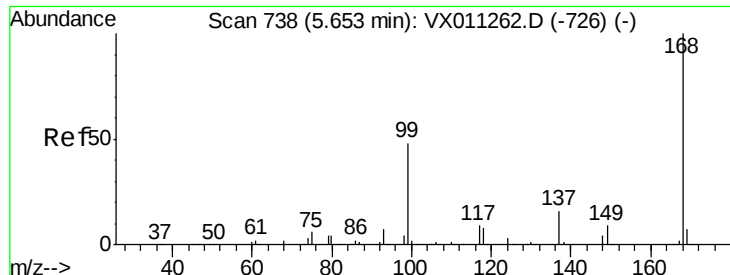
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Fri Aug 02 01:55:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	49261	18.905	ug/l	98
94) Hexachlorobutadiene	13.78	225	25761	19.486	ug/l	99
95) Naphthalene	13.83	128	141791	18.607	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	49229	18.583	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011526.D

Acq: 13 Aug 2019 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX0813WBS01

Tot Ion:168 Resp: 161768

Ion Ratio Lower Upper

168 100

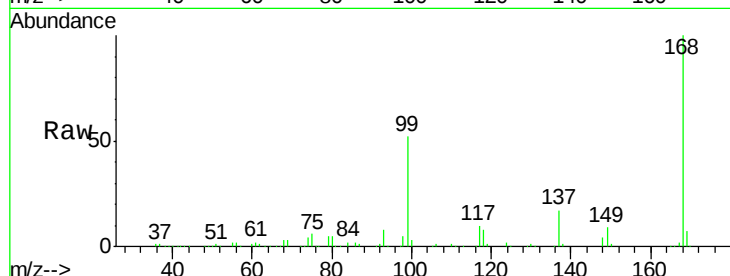
99 51.6 38.5 57.7

Manual Integrations

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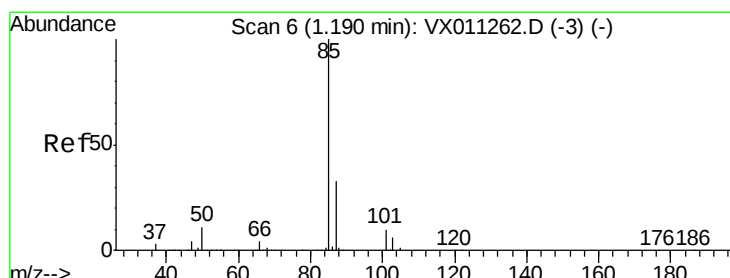
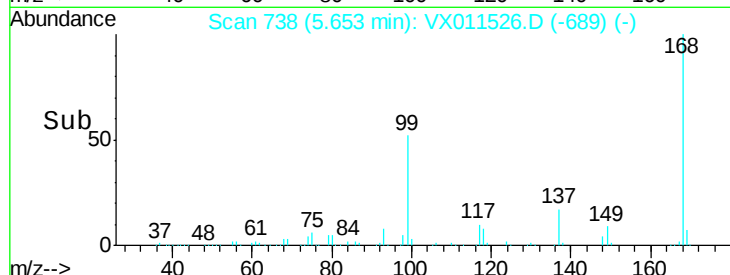
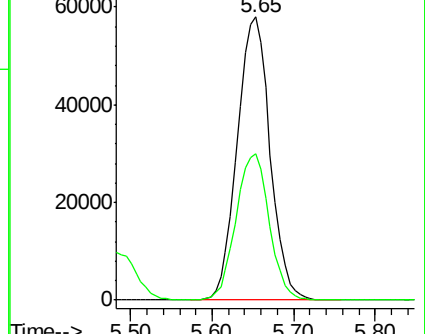
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 17.889 ug/l

RT: 1.19 min Scan# 6

Delta R.T. 0.00 min

Lab File: VX011526.D

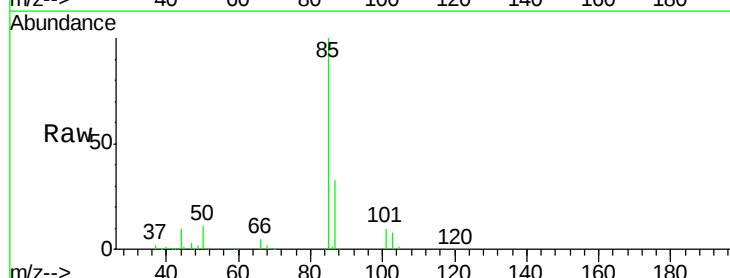
Acq: 13 Aug 2019 11:24

Tgt Ion: 85 Resp: 22351

Ion Ratio Lower Upper

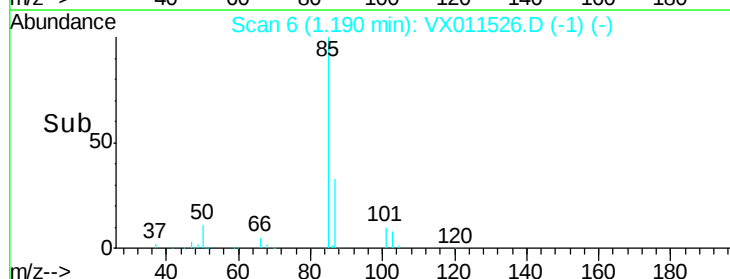
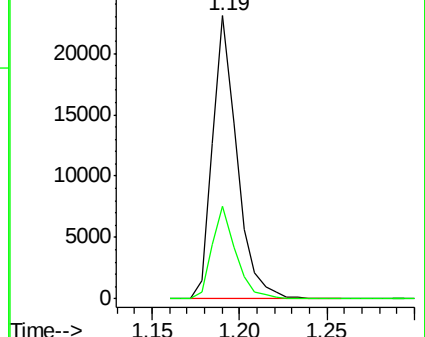
85 100

87 32.9 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 16.739 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011526.D

Acq: 13 Aug 2019 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX0813WBS01

Tot Ion: 50 Resp: 23485

Ion Ratio Lower Upper

50 100

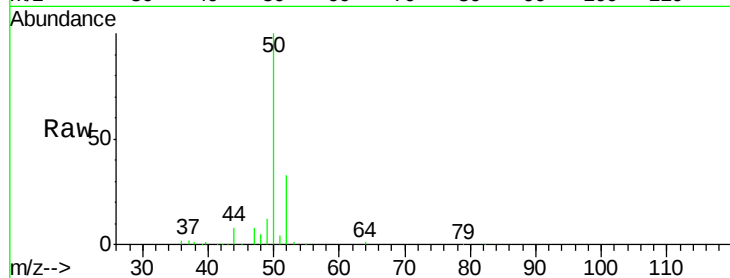
52 32.8 26.4 39.6

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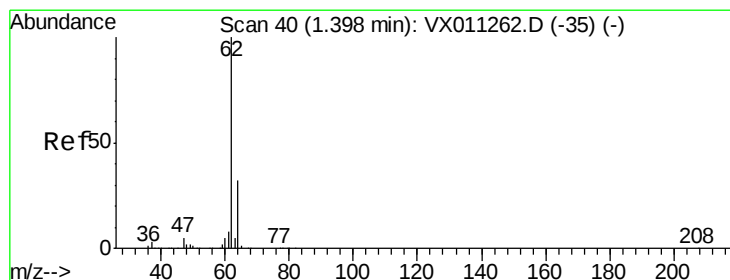
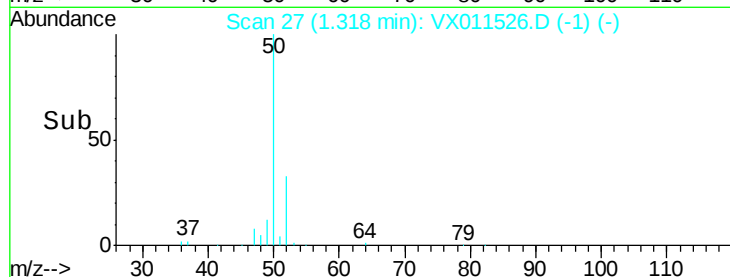
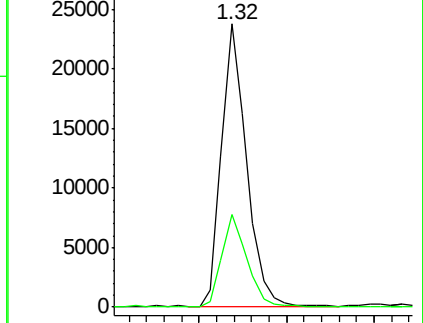
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 16.510 ug/l

RT: 1.40 min Scan# 40

Delta R.T. 0.00 min

Lab File: VX011526.D

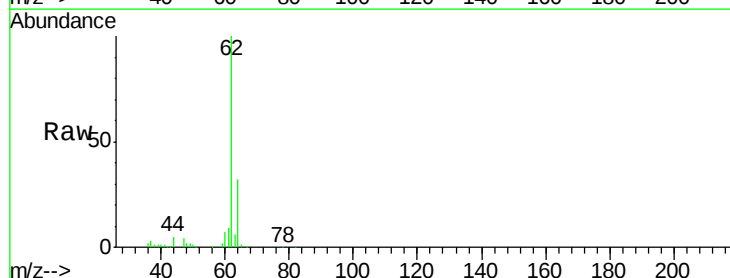
Acq: 13 Aug 2019 11:24

Tgt Ion: 62 Resp: 25480

Ion Ratio Lower Upper

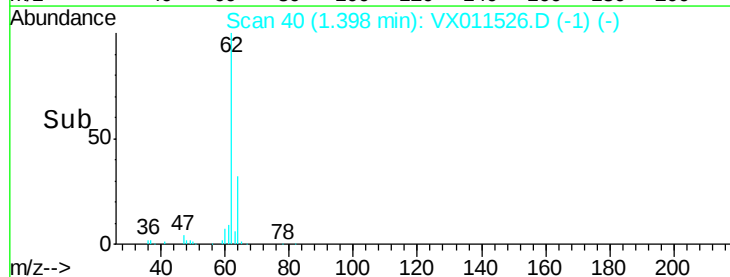
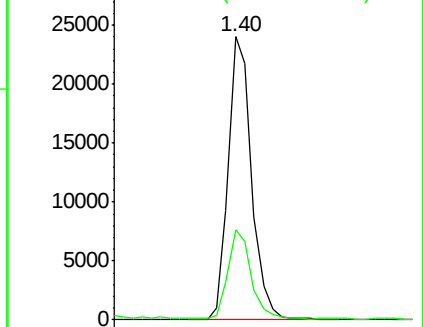
62 100

64 31.2 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 17.052 ug/l

RT: 1.63 min Scan# 78

Delta R.T. 0.00 min

Lab File: VX011526.D

Acq: 13 Aug 2019 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX0813WBS01

Tot Ion: 94 Resp: 18769

Ion Ratio Lower Upper

94 100

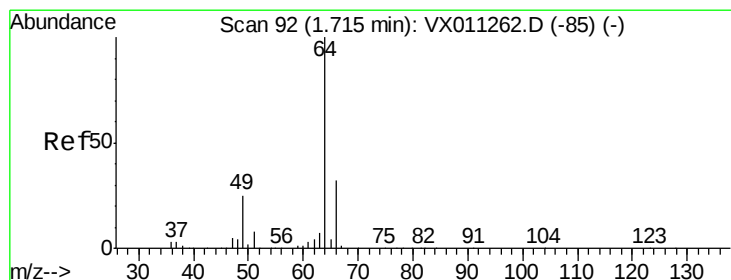
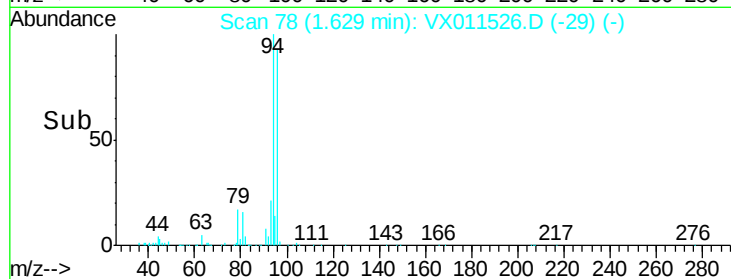
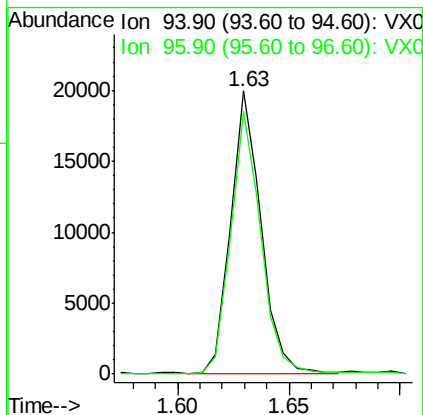
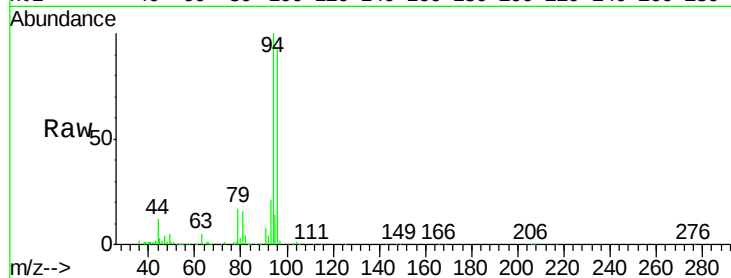
96 93.4 74.6 112.0

Manual Integrations

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#6

Chloroethane

Concen: 16.554 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX011526.D

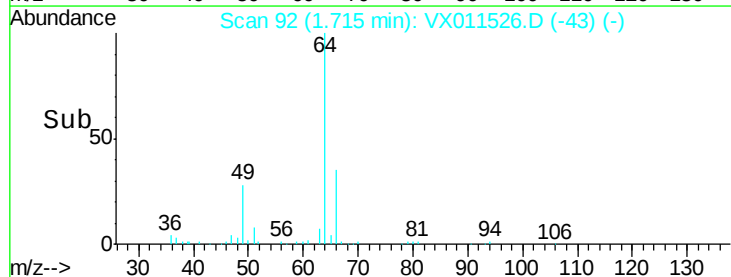
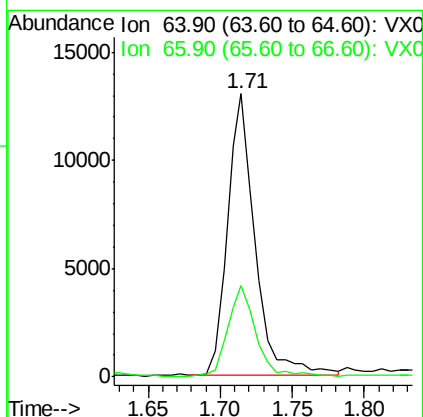
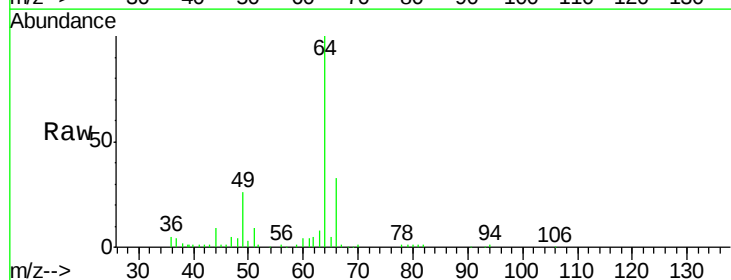
Acq: 13 Aug 2019 11:24

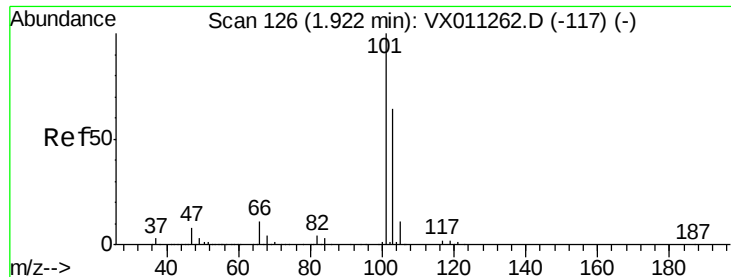
Tgt Ion: 64 Resp: 17491

Ion Ratio Lower Upper

64 100

66 32.7 25.1 37.7





#7

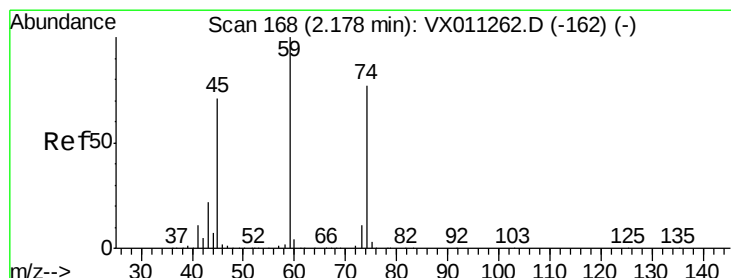
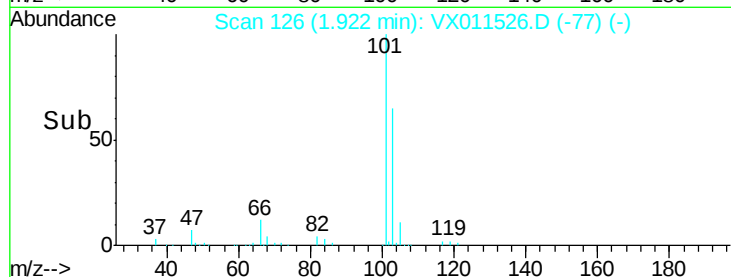
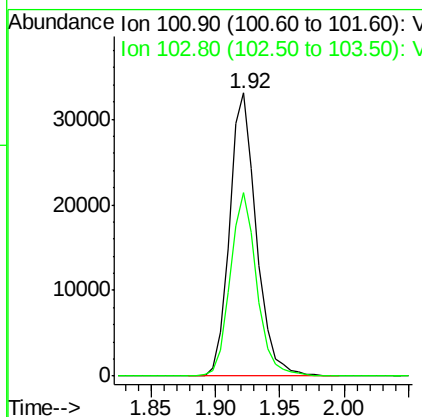
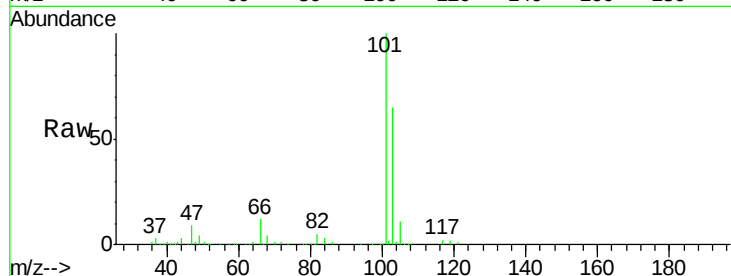
Trichlorofluoromethane
 Concen: 17.541 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. 0.00 min
 Lab File: VX011526.D
 Acq: 13 Aug 2019 11:24

Instrument :
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 ClientSampleId :
 VX0813WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	50.9	76.3

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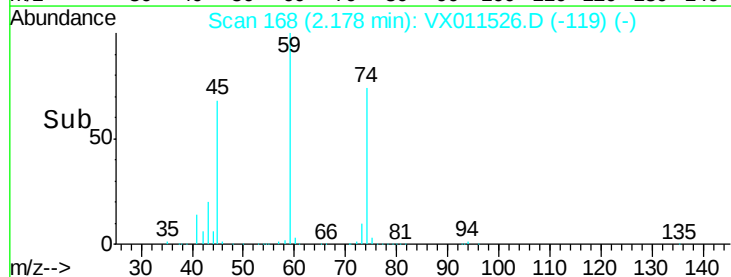
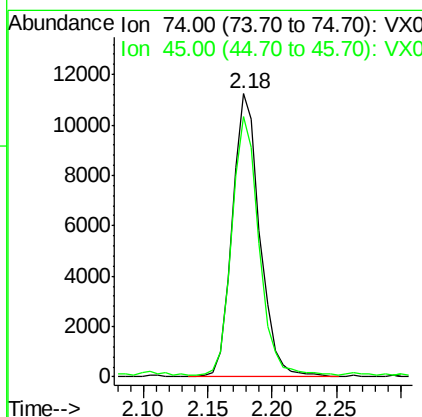
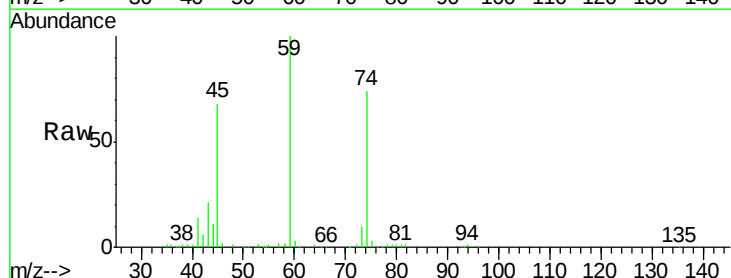
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#8

Diethyl Ether
 Concen: 17.107 ug/l
 RT: 2.18 min Scan# 168
 Delta R.T. 0.00 min
 Lab File: VX011526.D
 Acq: 13 Aug 2019 11:24

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.0	46.1	138.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.523 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.00 min

Lab File: VX011526.D

Acq: 13 Aug 2019 11:24

Instrument :

MSVOA_X

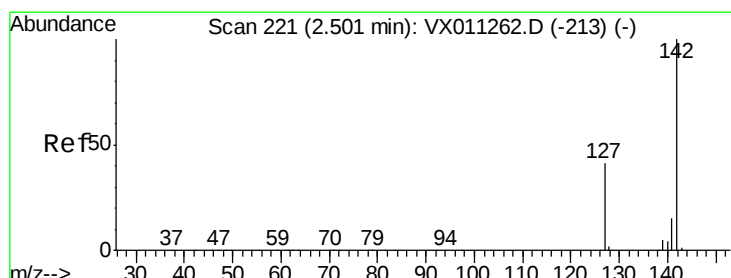
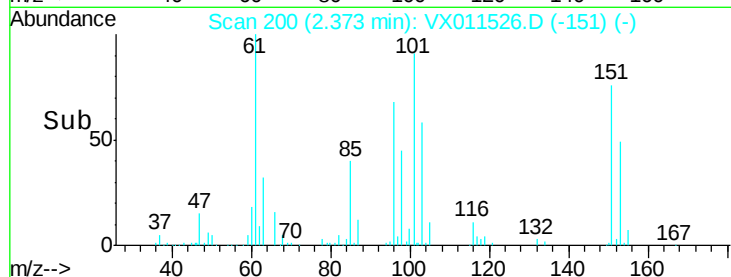
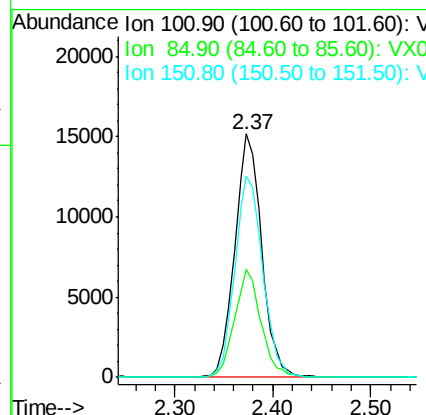
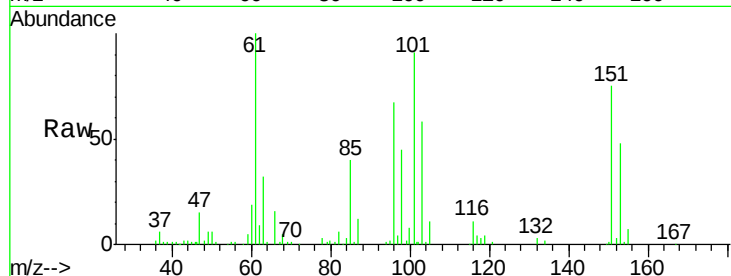
ClientSampleId :

VX0813WBS01

Tot Ion:	101	Resp:	28988
Ion	Ratio	Lower	Upper
101	100		
85	43.5	33.8	50.6
151	85.5	69.5	104.3

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8/14/2019 11:31:17 AM



#10

Methyl Iodide

Concen: 14.801 ug/l

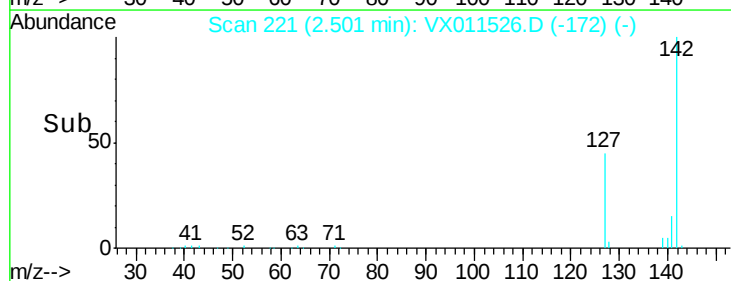
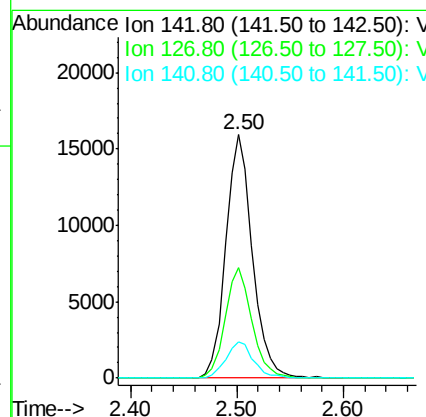
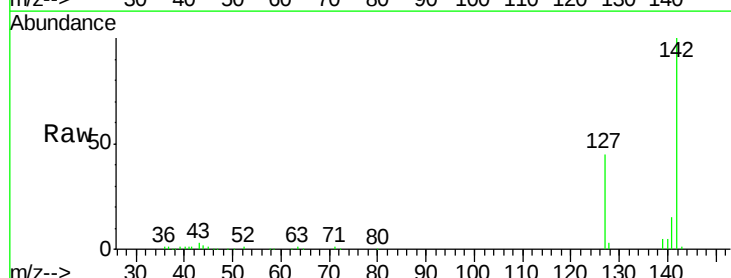
RT: 2.50 min Scan# 221

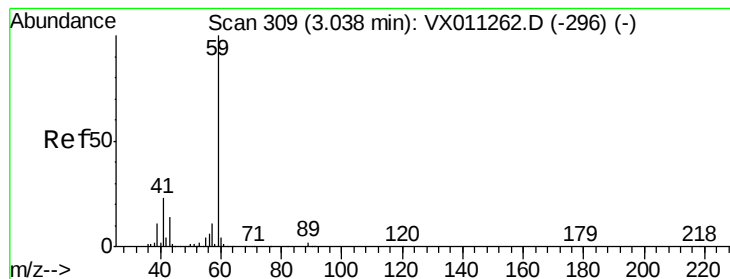
Delta R.T. 0.00 min

Lab File: VX011526.D

Acq: 13 Aug 2019 11:24

Tgt Ion:	142	Resp:	27707
Ion	Ratio	Lower	Upper
142	100		
127	45.6	33.8	50.8
141	15.2	11.4	17.2





#11

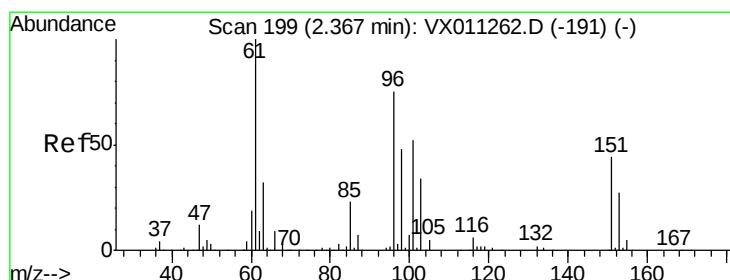
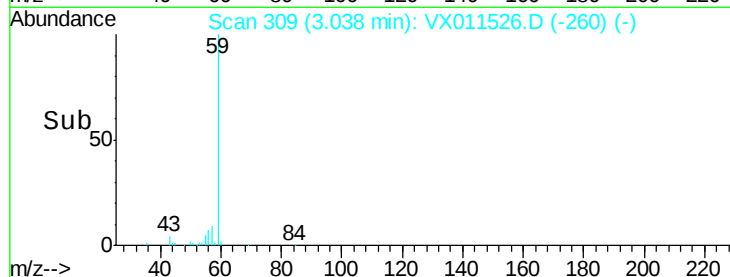
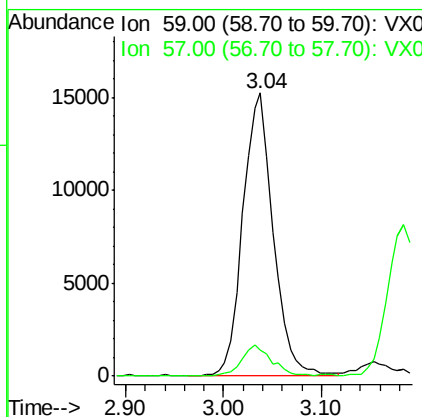
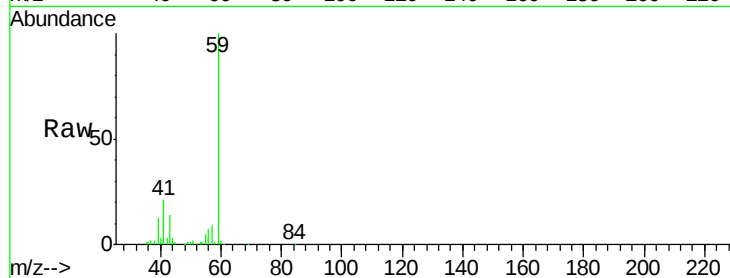
Tert butyl alcohol
Concen: 101.312 ug/l
RT: 3.04 min Scan# 309
Delta R.T. 0.00 min
Lab File: VX011526.D
Acq: 13 Aug 2019 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tot Ion	59	Resp	32907
Ion Ratio	100	Lower	Upper
57	10.9	8.3	12.5

Manual Integrations
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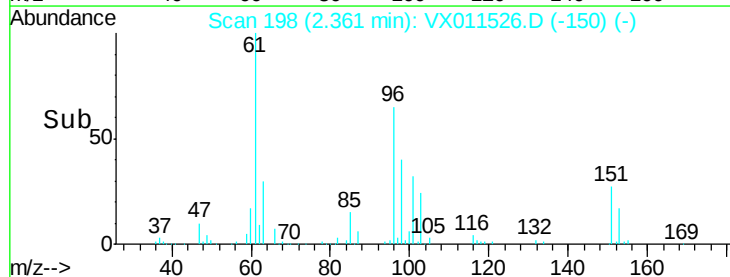
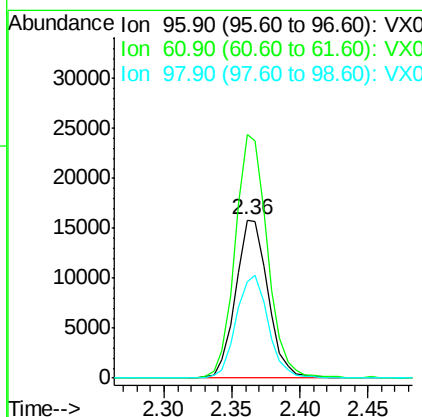
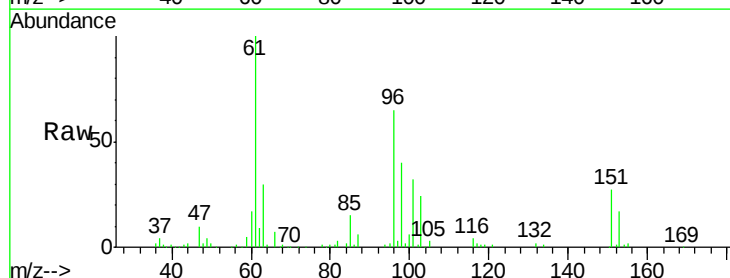
MMDadoda
8/14/2019 11:31:17 AM

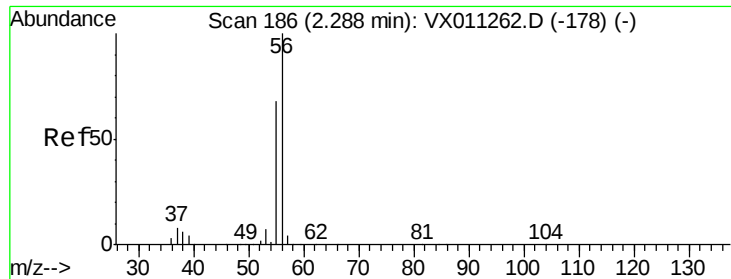


#12

1,1-Dichloroethene
Concen: 17.927 ug/l
RT: 2.36 min Scan# 198
Delta R.T. -0.01 min
Lab File: VX011526.D
Acq: 13 Aug 2019 11:24

Tgt Ion	96	Resp	26385
Ion Ratio	100	Lower	Upper
61	154.1	106.2	159.2
98	61.0	50.6	75.8





#13

Acrolein

Concen: 84.502 ug/l

RT: 2.28 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX011526.D

Acq: 13 Aug 2019 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX0813WBS01

Tot Ion: 56 Resp: 17116

Ion Ratio Lower Upper

56 100

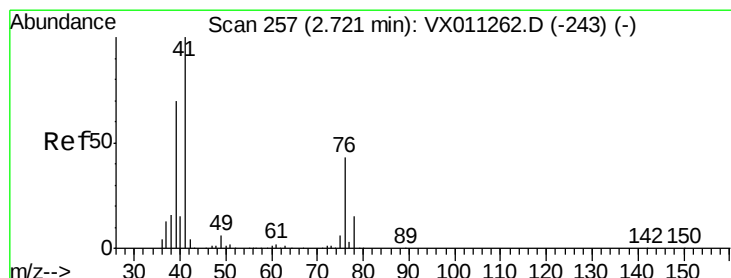
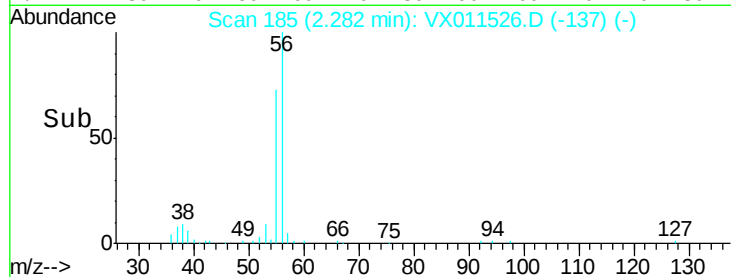
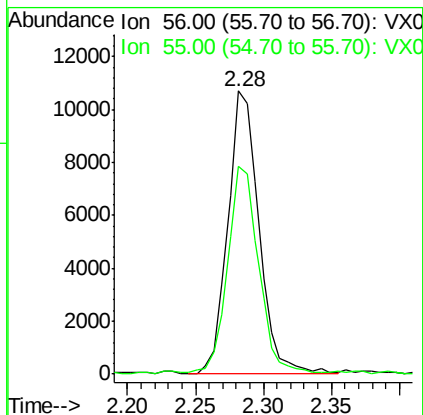
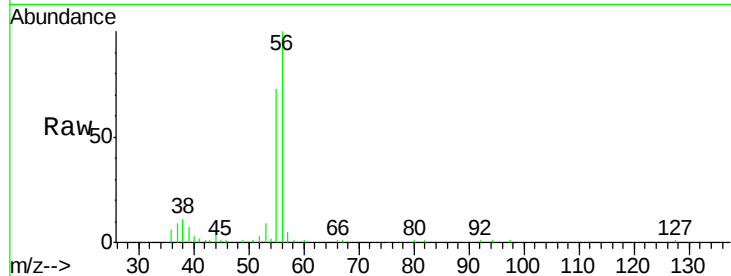
55 71.2 56.0 84.0

Manual Integrations

APPROVED

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#14

Allyl chloride

Concen: 20.437 ug/l

RT: 2.72 min Scan# 257

Delta R.T. 0.00 min

Lab File: VX011526.D

Acq: 13 Aug 2019 11:24

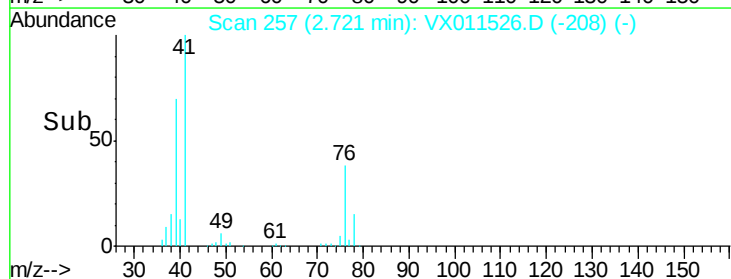
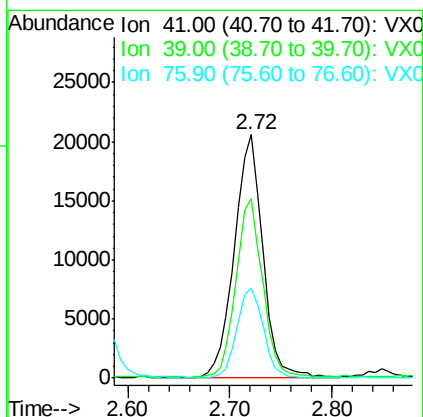
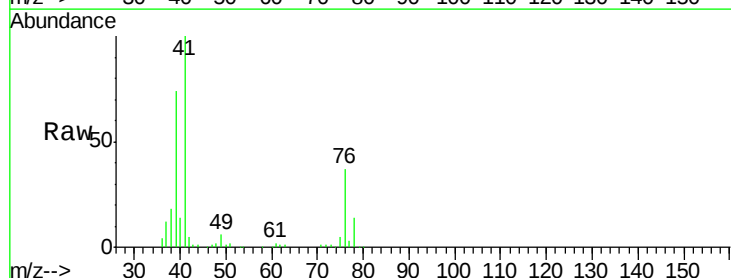
Tgt Ion: 41 Resp: 40100

Ion Ratio Lower Upper

41 100

39 68.1 52.8 79.2

76 34.2 31.1 46.7





#15

Acrylonitrile

Concen: 98.263 ug/l

RT: 3.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VX011526.D

Acq: 13 Aug 2019 11:24

Instrument :

MSVOA_X

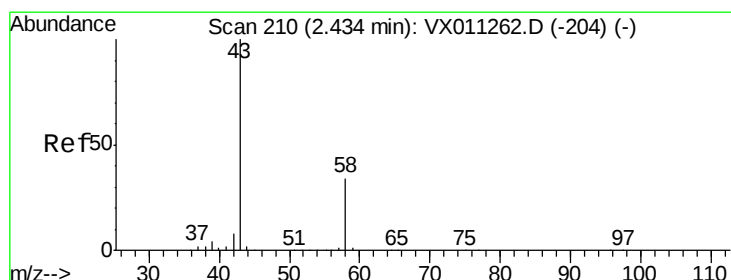
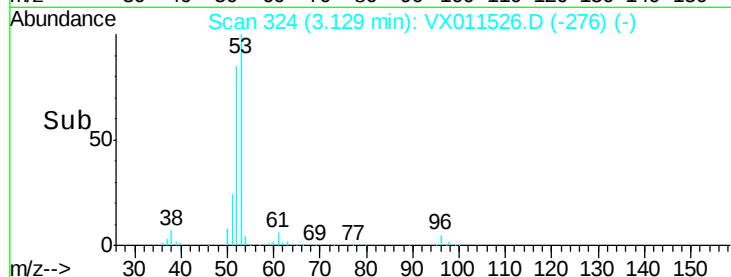
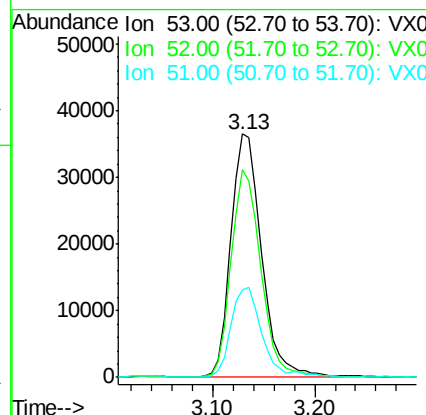
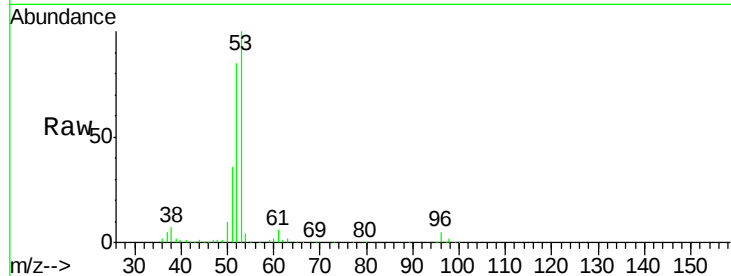
ClientSampleId :

VX0813WBS01

Tot Ion:	53	Resp:	76174
Ion	Ratio	Lower	Upper
53	100		
52	83.0	65.5	98.3
51	37.6	27.9	41.9

Manual Integrations
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#16

Acetone

Concen: 105.169 ug/l

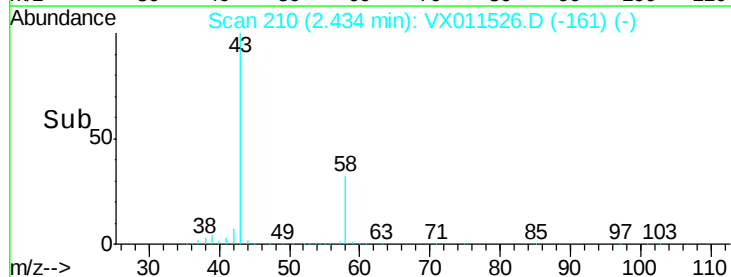
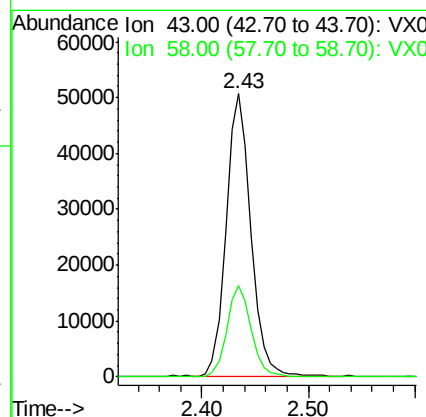
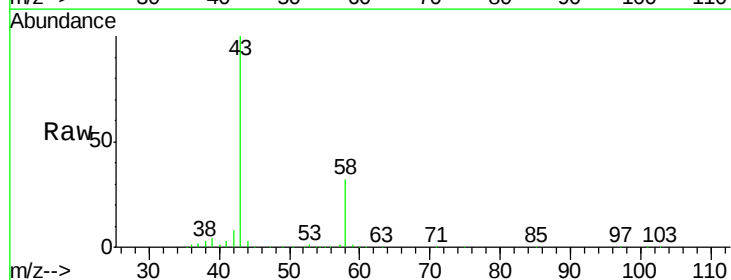
RT: 2.43 min Scan# 210

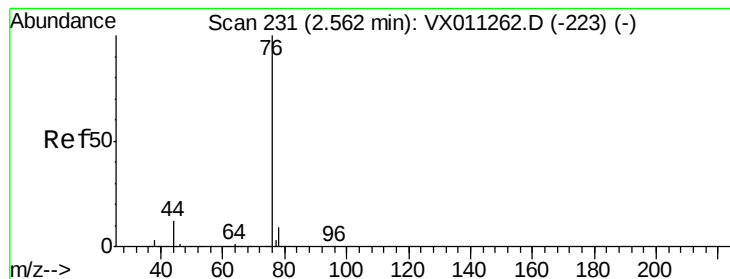
Delta R.T. 0.00 min

Lab File: VX011526.D

Acq: 13 Aug 2019 11:24

Tgt Ion:	43	Resp:	81550
Ion	Ratio	Lower	Upper
43	100		
58	32.3	27.4	41.0





#17

Carbon Disulfide

Concen: 16.006 ug/l

RT: 2.56 min Scan# 231

Delta R.T. 0.00 min

Lab File: VX011526.D

Acq: 13 Aug 2019 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX0813WBS01

Tot Ion: 76 Resp: 55282

Ion Ratio Lower Upper

76 100

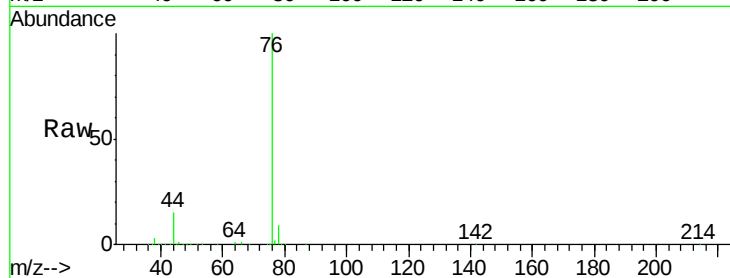
78 9.1 7.4 11.0

Manual Integrations

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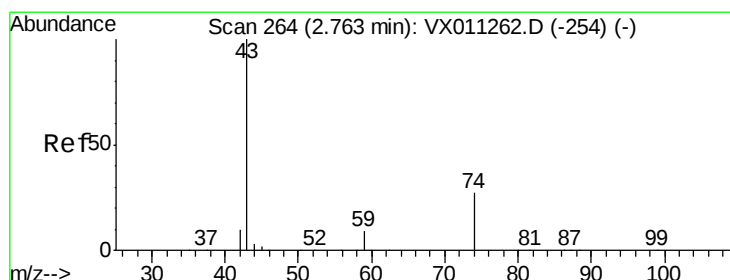
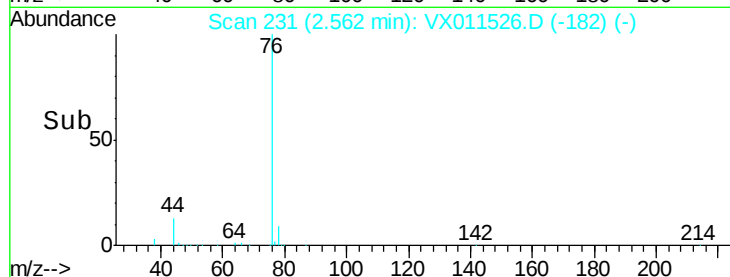
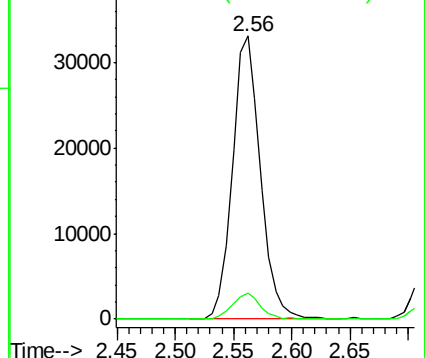
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 21.066 ug/l

RT: 2.76 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX011526.D

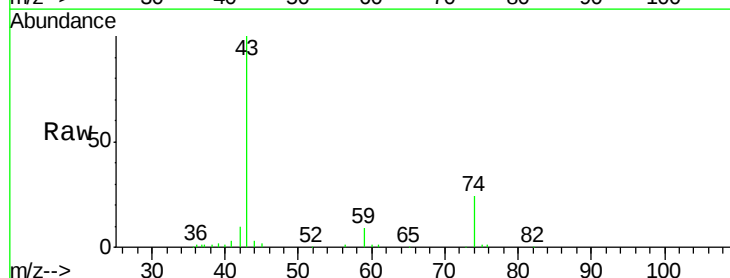
Acq: 13 Aug 2019 11:24

Tgt Ion: 43 Resp: 37330

Ion Ratio Lower Upper

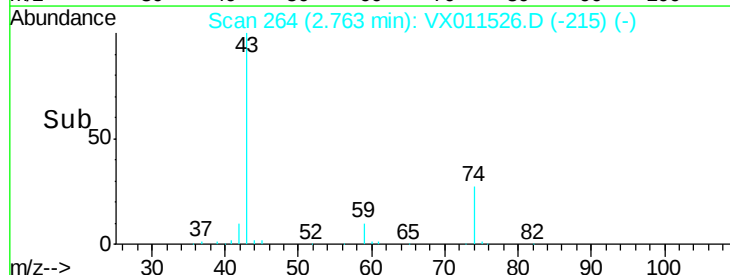
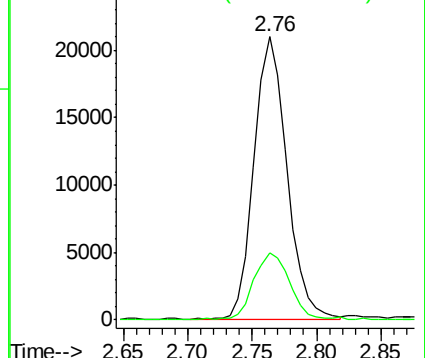
43 100

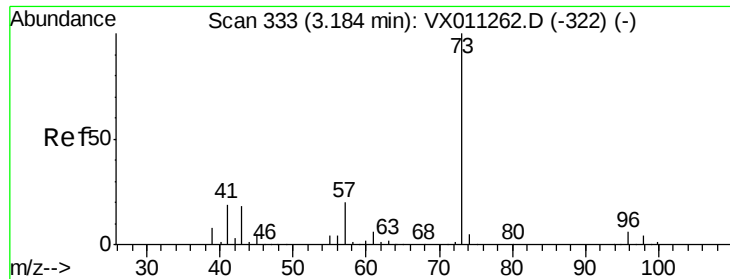
74 26.2 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





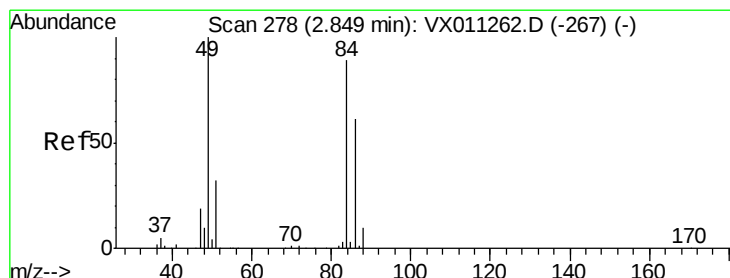
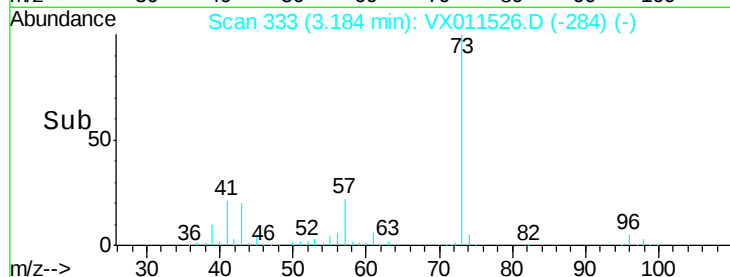
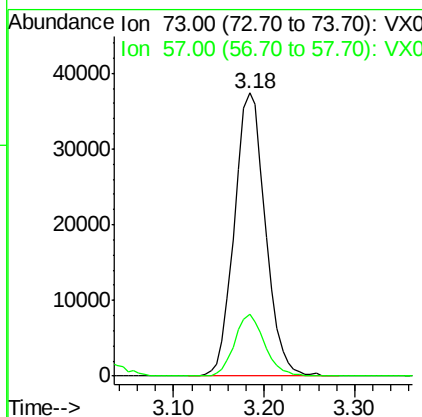
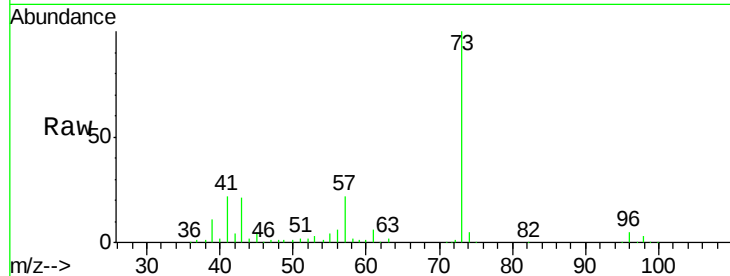
#19
Methyl tert-butyl Ether
Concen: 20.425 ug/l
RT: 3.18 min Scan# 333
Delta R.T. 0.00 min
Lab File: VX011526.D
Acq: 13 Aug 2019 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tot Ion: 73 Resp: 88593
Ion Ratio Lower Upper
73 100
57 21.7 16.2 24.2

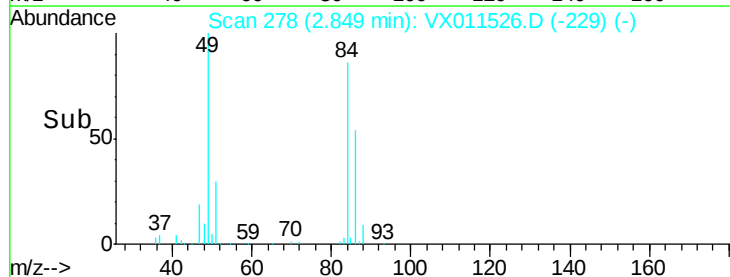
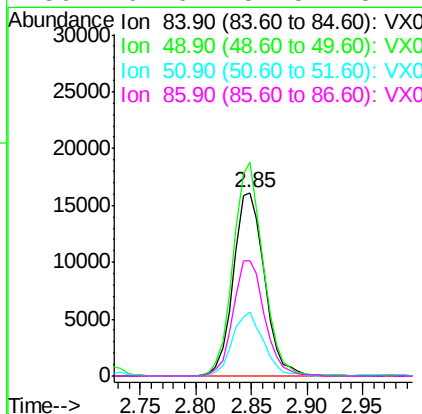
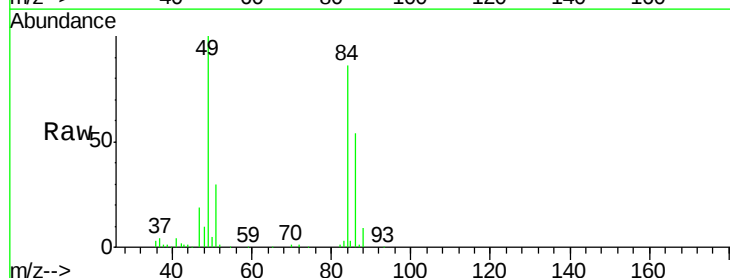
Manual Integrations
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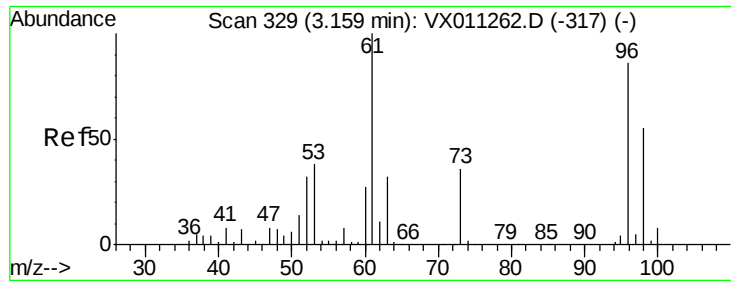
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#20
Methylene Chloride
Concen: 18.357 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011526.D
Acq: 13 Aug 2019 11:24

Tgt Ion: 84 Resp: 31174
Ion Ratio Lower Upper
84 100
49 116.4 89.3 133.9
51 35.0 28.3 42.5
86 62.6 54.5 81.7





#21

trans-1,2-Dichloroethene

Concen: 18.455 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.01 min

Lab File: VX011526.D

Acq: 13 Aug 2019 11:24

Instrument :

MSVOA_X

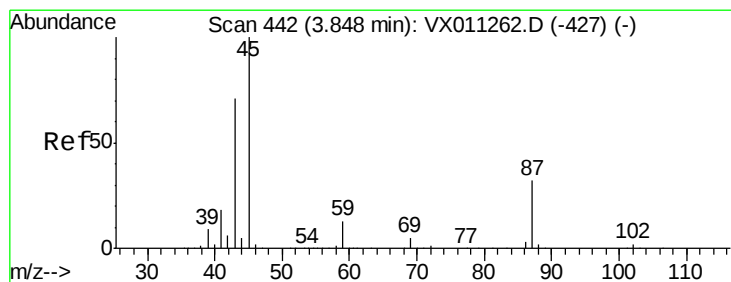
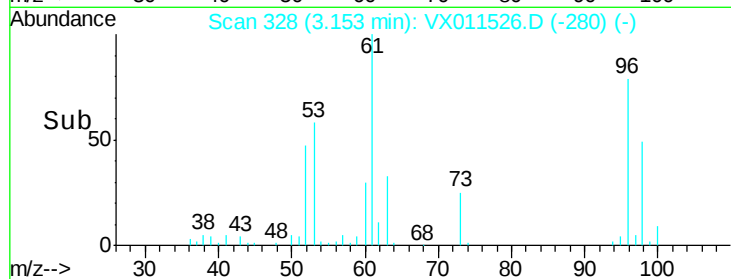
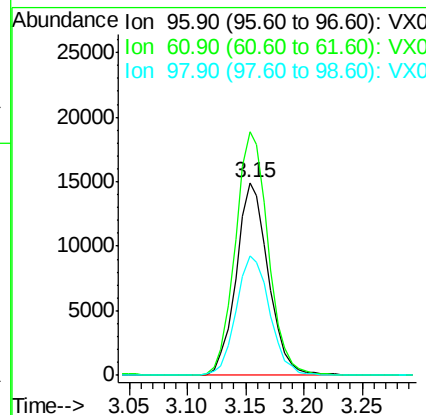
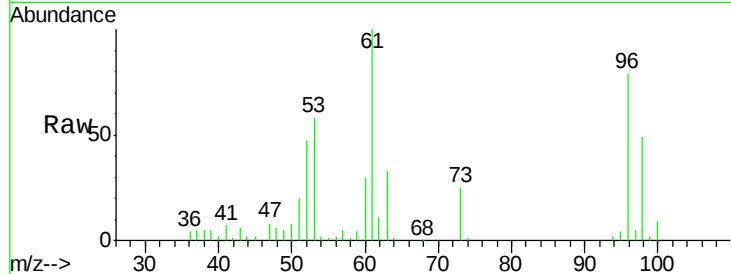
ClientSampleId :

VX0813WBS01

Tot Ion:	96	Resp:	28733
Ion	Ratio	Lower	Upper
96	100		
61	126.2	92.8	139.2
98	62.1	51.2	76.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.926 ug/l

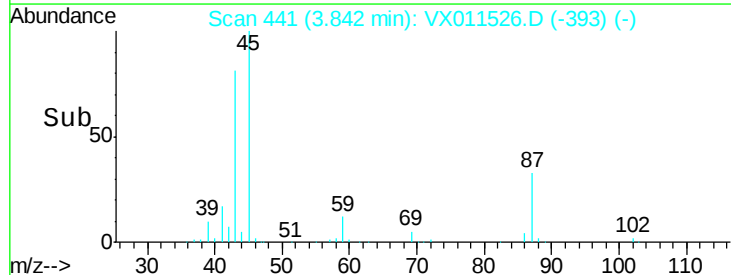
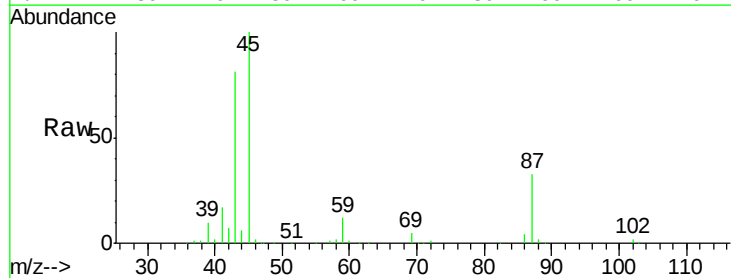
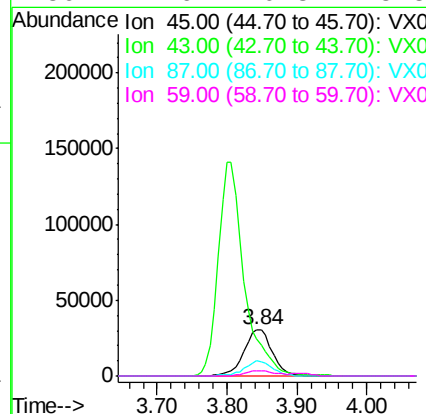
RT: 3.84 min Scan# 441

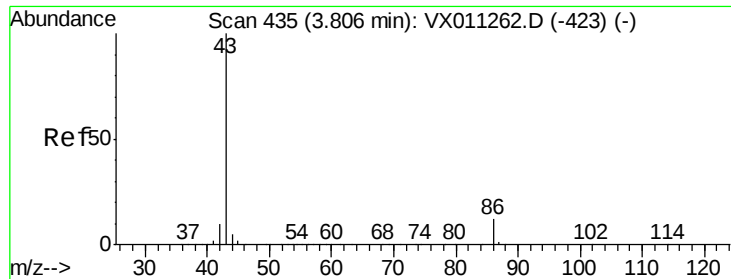
Delta R.T. -0.01 min

Lab File: VX011526.D

Acq: 13 Aug 2019 11:24

Tgt Ion:	45	Resp:	85931
Ion	Ratio	Lower	Upper
45	100		
43	80.8	56.8	85.2
87	33.3	25.8	38.6
59	11.6	10.3	15.5





#23

Vinyl Acetate

Concen: 102.205 ug/l

RT: 3.80 min Scan# 434

Delta R.T. -0.01 min

Lab File: VX011526.D

Acq: 13 Aug 2019 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX0813WBS01

Tot Ion: 43 Resp: 365565

Ion Ratio Lower Upper

43 100

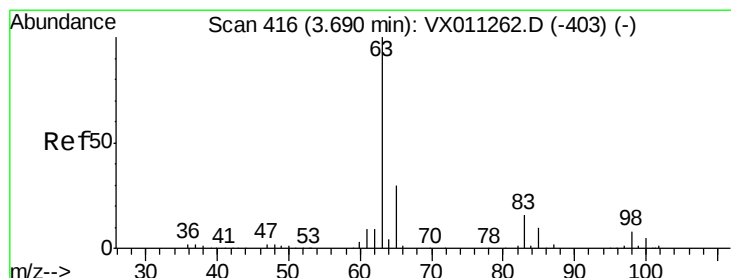
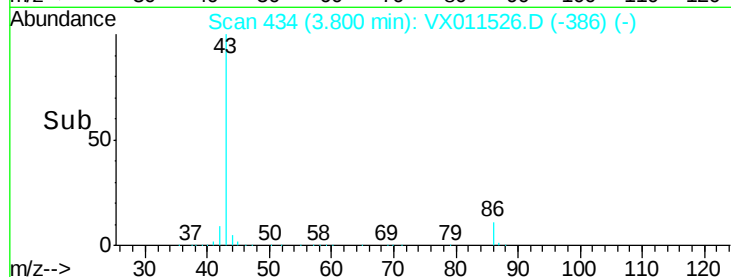
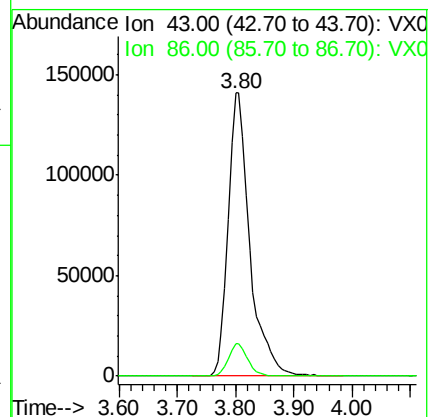
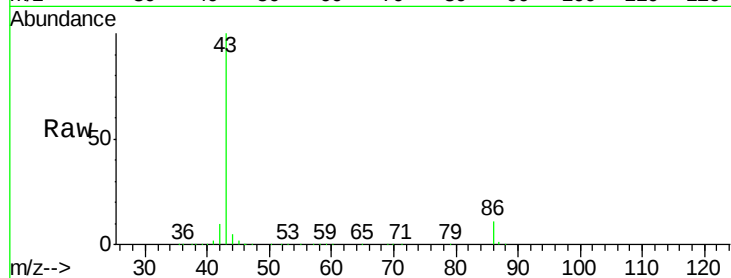
86 11.3 9.6 14.4

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.755 ug/l

RT: 3.68 min Scan# 415

Delta R.T. -0.01 min

Lab File: VX011526.D

Acq: 13 Aug 2019 11:24

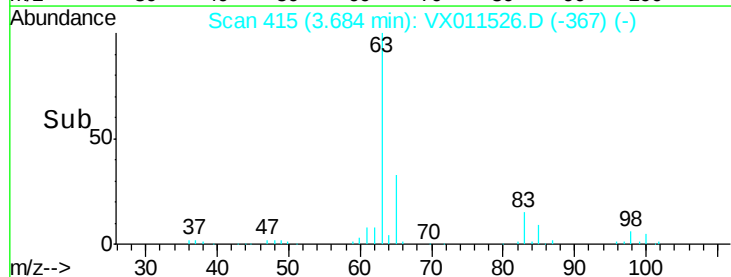
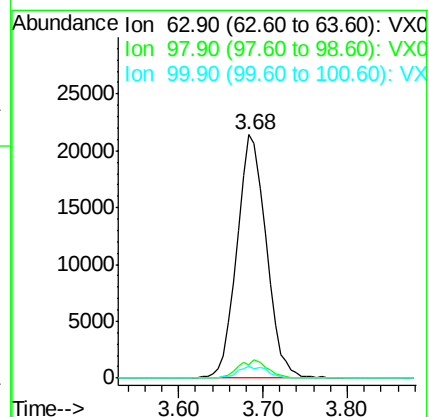
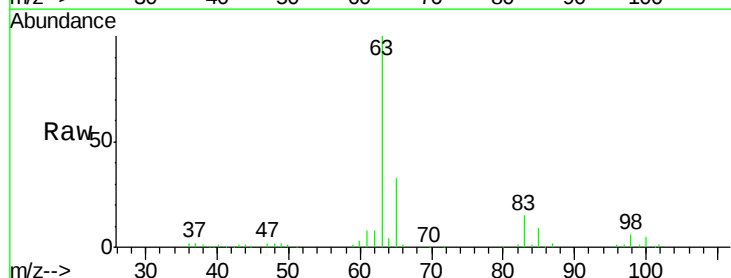
Tgt Ion: 63 Resp: 50235

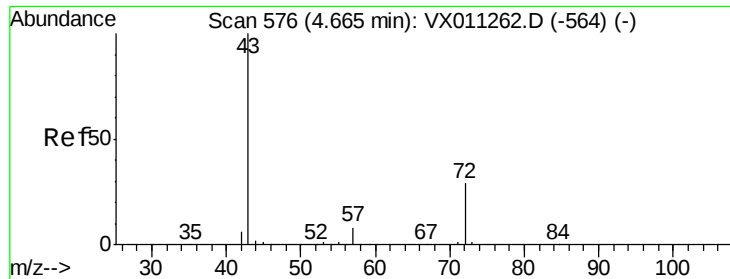
Ion Ratio Lower Upper

63 100

98 5.7 3.9 11.5

100 5.1 2.7 8.1





#25

2-Butanone

Concen: 102.215 ug/l

RT: 4.66 min Scan# 575

Delta R.T. -0.01 min

Lab File: VX011526.D

Acq: 13 Aug 2019 11:24

Instrument :

MSVOA_X

ClientSampled :

VX0813WBS01

Tot Ion: 43 Resp: 112746

Ion Ratio Lower Upper

43 100

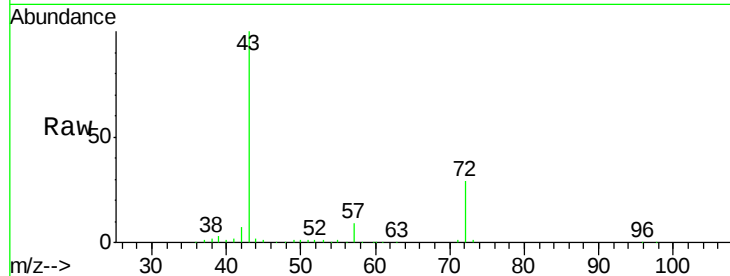
72 29.3 23.2 34.8

Manual Integrations

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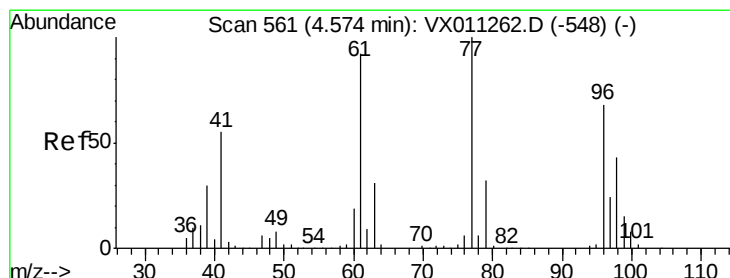
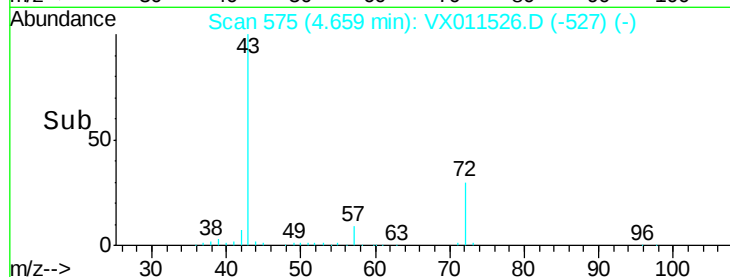
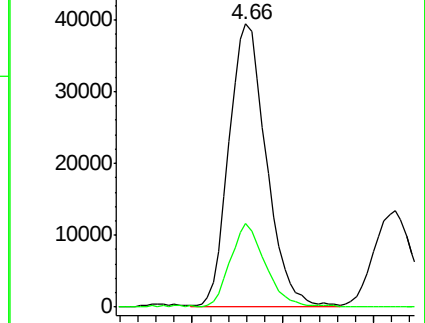
MMDadoda

8/14/2019 11:31:17 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 20.570 ug/l

RT: 4.57 min Scan# 560

Delta R.T. -0.01 min

Lab File: VX011526.D

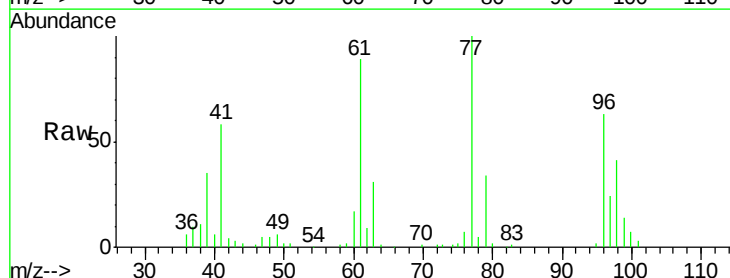
Acq: 13 Aug 2019 11:24

Tgt Ion: 77 Resp: 40662

Ion Ratio Lower Upper

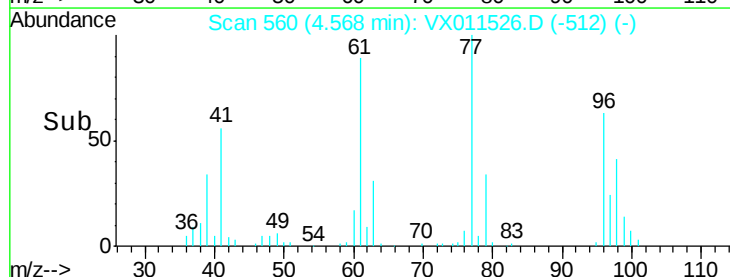
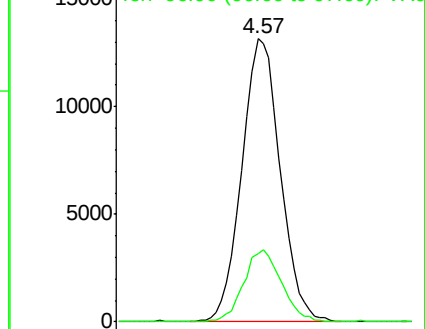
77 100

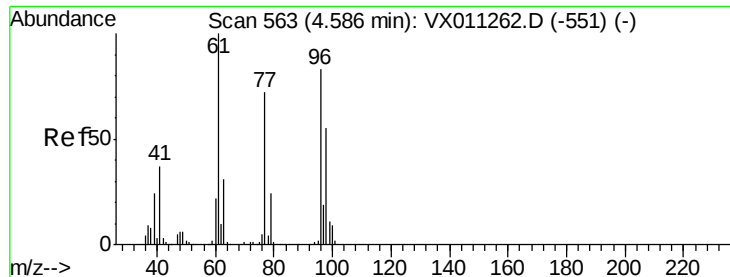
97 25.1 12.8 38.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

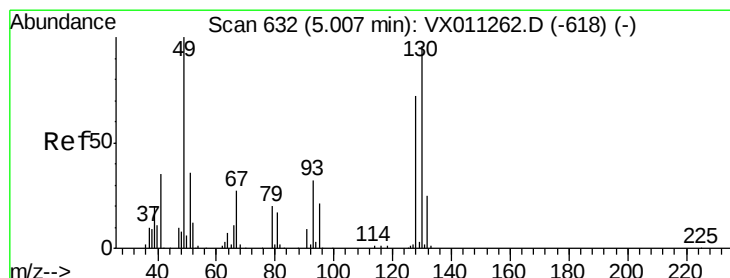
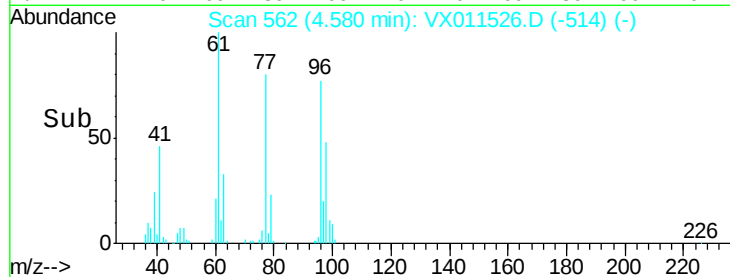
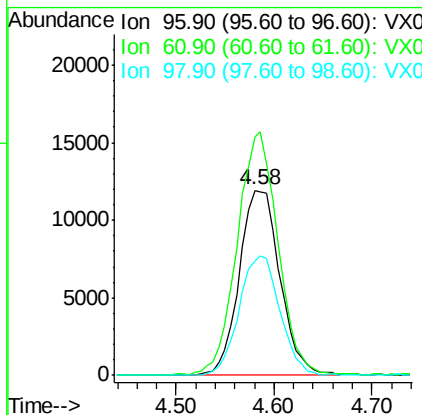
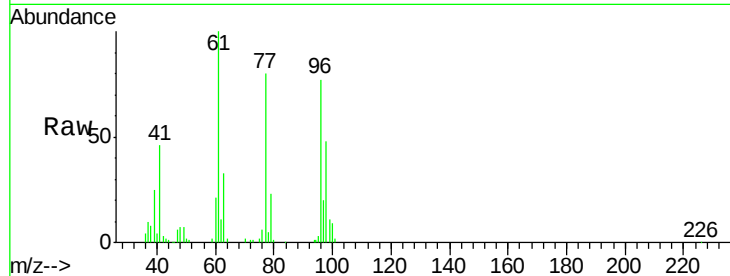
cis-1,2-Dichloroethene
Concen: 19.225 ug/l
RT: 4.58 min Scan# 562
Delta R.T. -0.01 min
Lab File: VX011526.D
Acq: 13 Aug 2019 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.0	0.0	260.2
98	64.4	0.0	133.2

Manual Integrations
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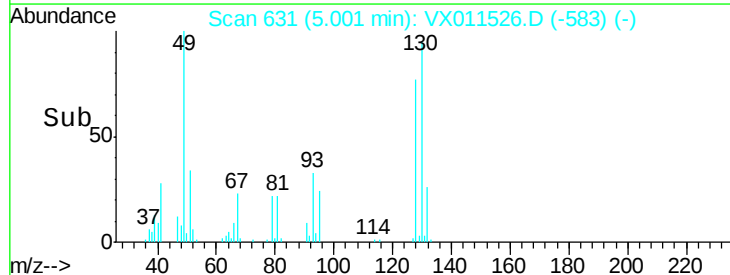
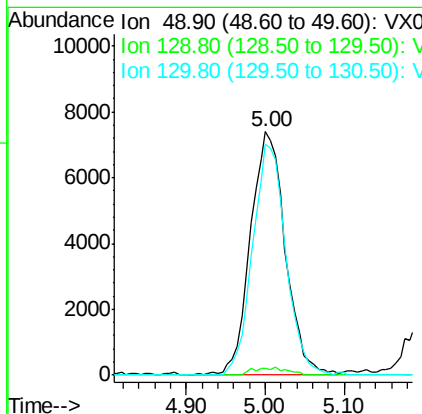
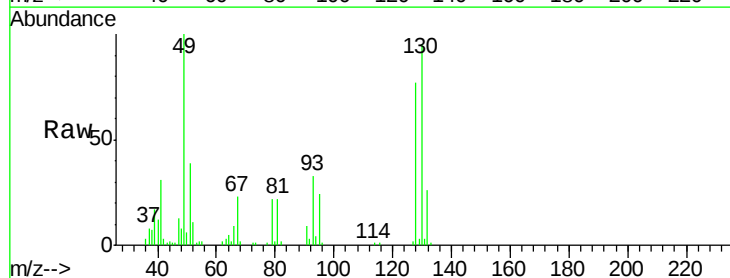
MMDadoda
8/14/2019 11:31:17 AM

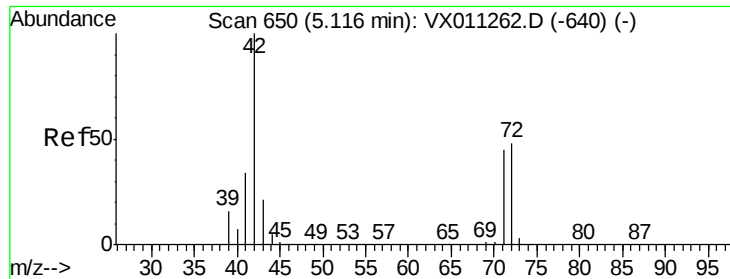


#28

Bromochloromethane
Concen: 19.658 ug/l
RT: 5.00 min Scan# 631
Delta R.T. -0.01 min
Lab File: VX011526.D
Acq: 13 Aug 2019 11:24

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.0	0.0	5.8
130	90.0	77.9	116.9





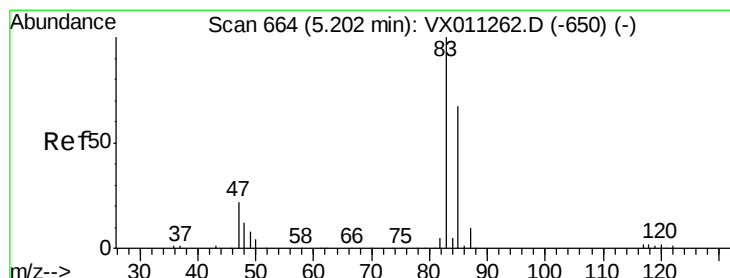
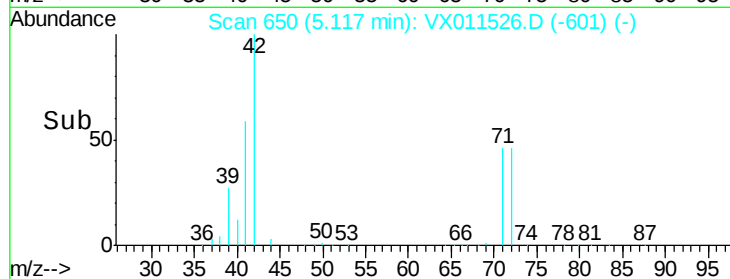
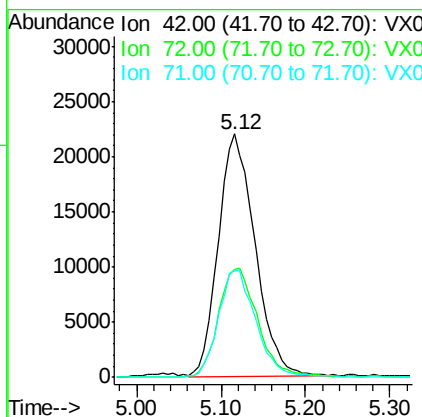
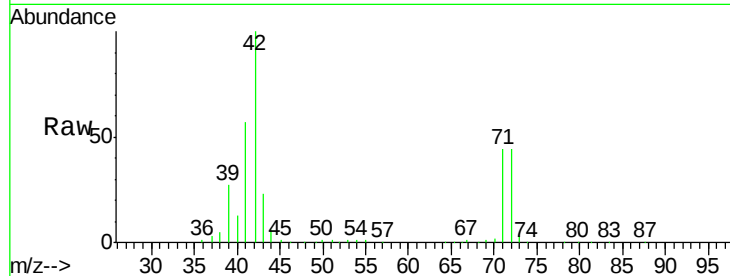
#29
Tetrahydrofuran
Concen: 97.012 ug/l
RT: 5.12 min Scan# 650
Delta R.T. 0.00 min
Lab File: VX011526.D
Acq: 13 Aug 2019 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.6	39.9	59.9
71	45.3	36.9	55.3

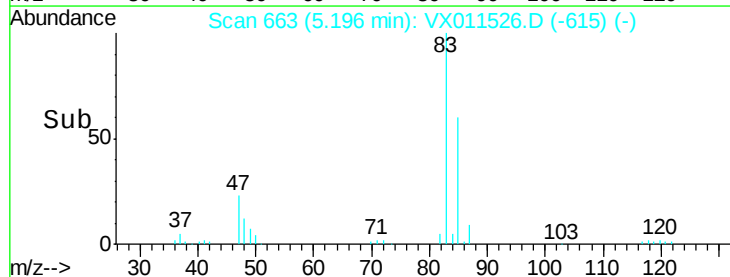
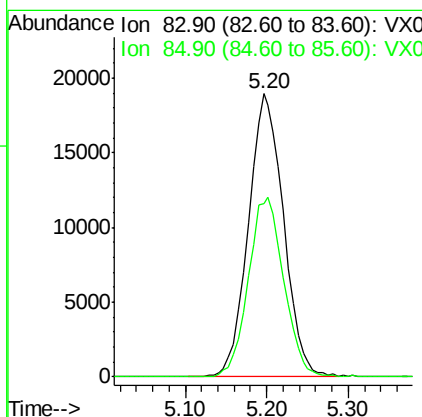
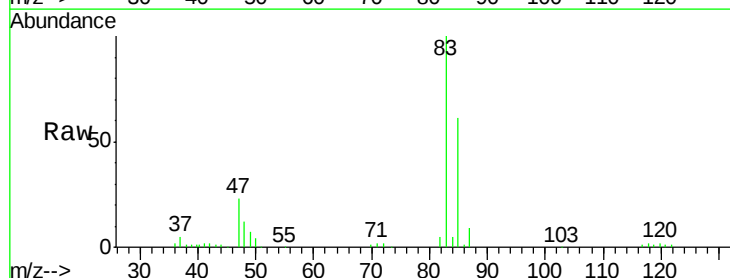
Manual Integrations
APPROVED

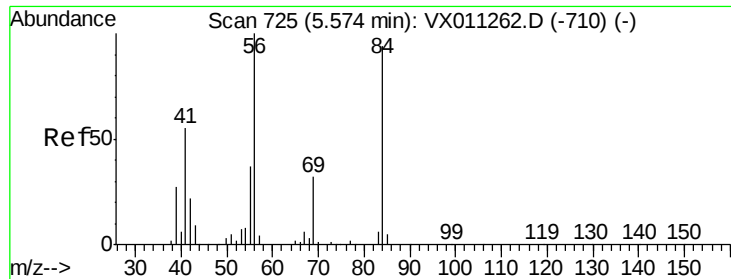
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#30
Chloroform
Concen: 20.542 ug/l
RT: 5.20 min Scan# 663
Delta R.T. -0.01 min
Lab File: VX011526.D
Acq: 13 Aug 2019 11:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.2	53.4	80.0





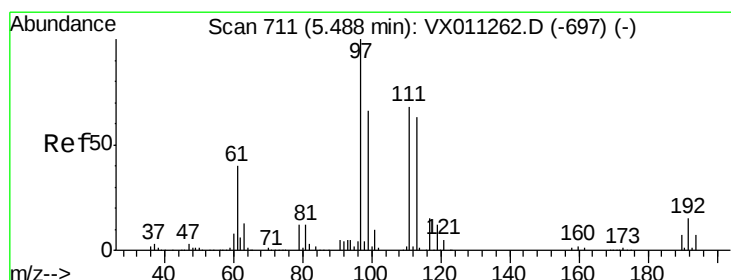
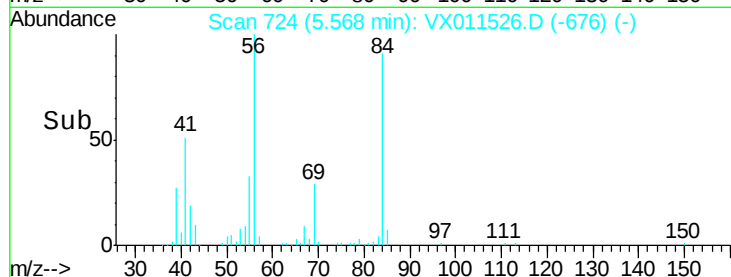
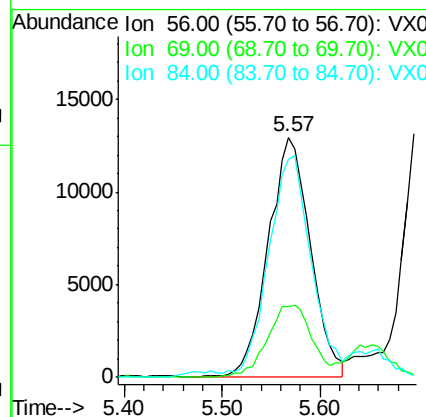
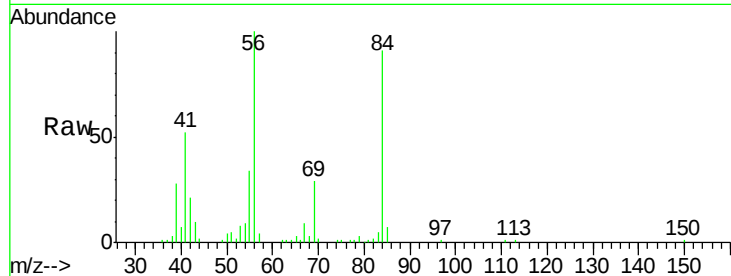
#31
Cyclohexane
Concen: 18.593 ug/l
RT: 5.57 min Scan# 724
Delta R.T. -0.01 min
Lab File: VX011526.D
Acq: 13 Aug 2019 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.3	25.5	38.3
84	88.6	75.0	112.4

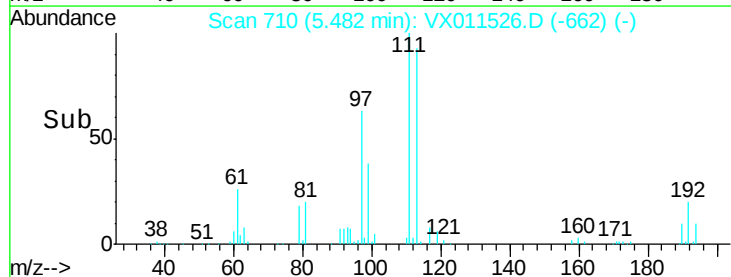
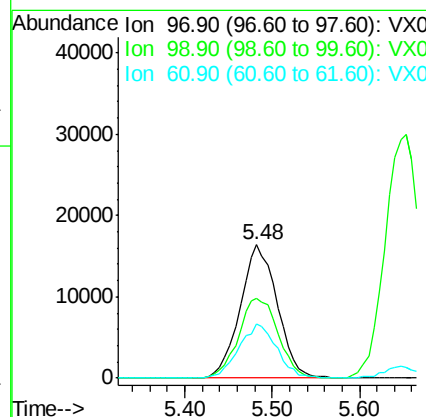
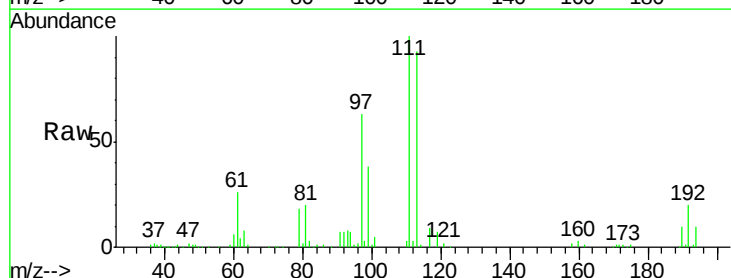
Manual Integrations
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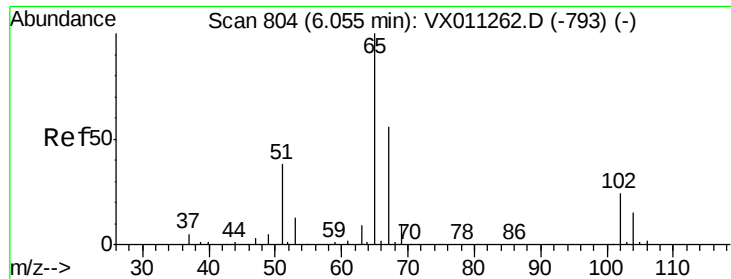
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 20.404 ug/l
RT: 5.48 min Scan# 710
Delta R.T. -0.01 min
Lab File: VX011526.D
Acq: 13 Aug 2019 11:24

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.6	77.4
61	41.5	32.3	48.5





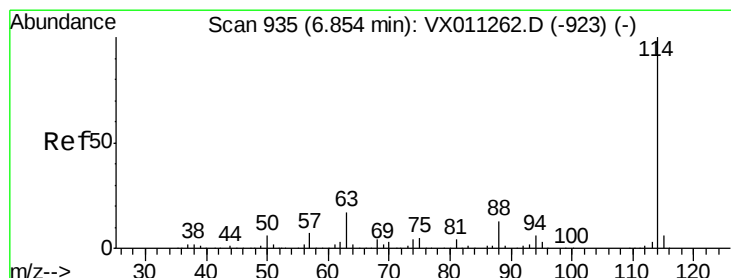
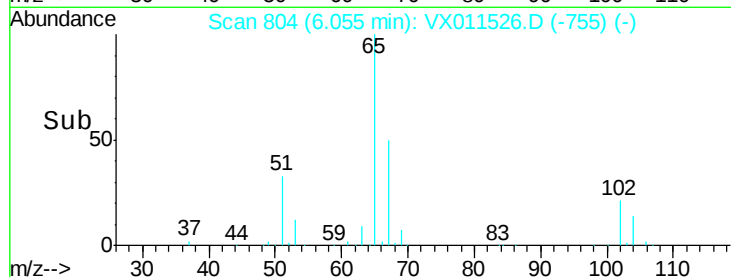
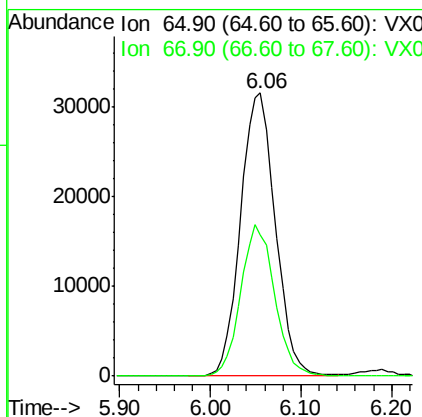
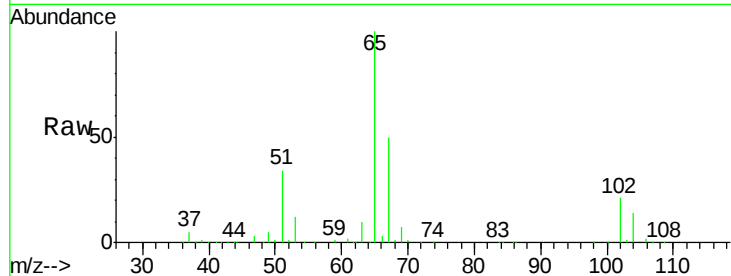
#33
 1,2-Dichloroethane-d4
 Concen: 51.489 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX011526.D
 Acq: 13 Aug 2019 11:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0813WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	110.6

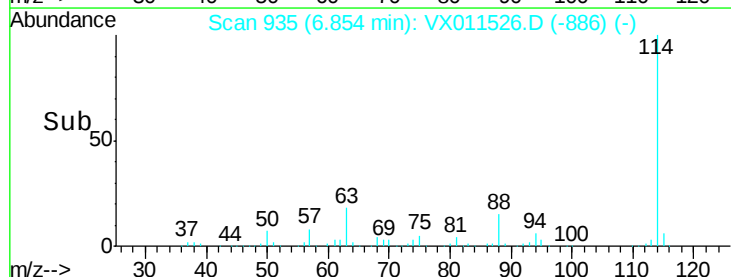
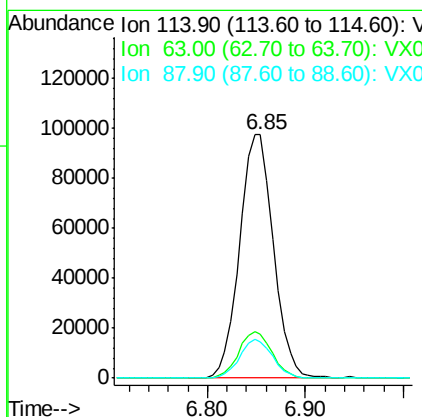
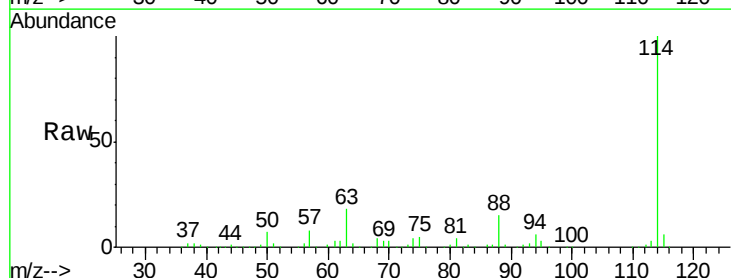
Manual Integrations
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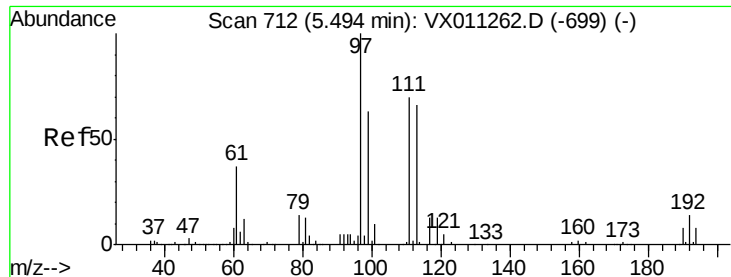
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011526.D
 Acq: 13 Aug 2019 11:24

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.8	0.0	34.0
88	15.1	0.0	26.4





#35

Dibromofluoromethane

Concen: 46.957 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX011526.D

Acq: 13 Aug 2019 11:24

Instrument :

MSVOA_X

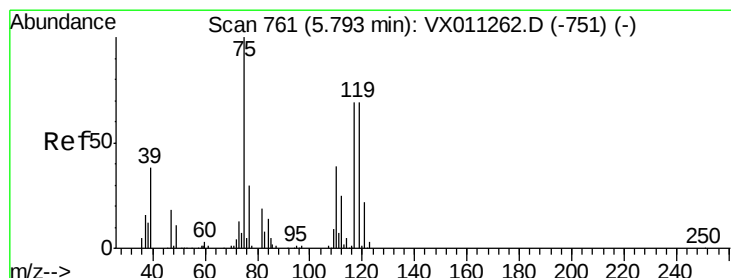
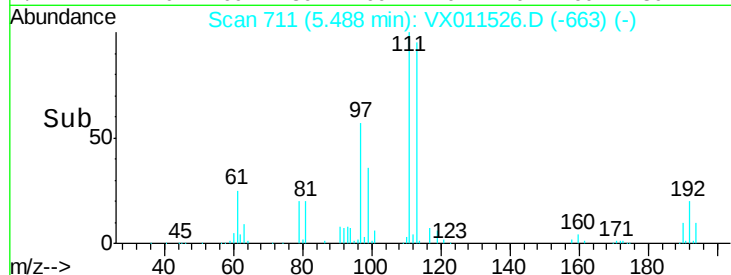
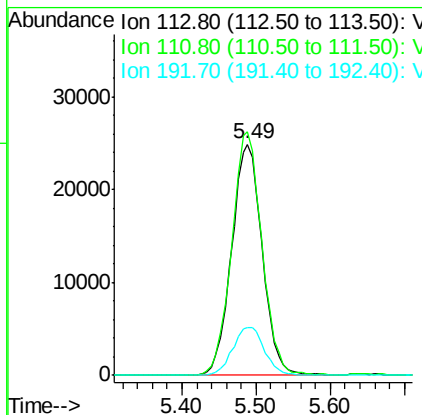
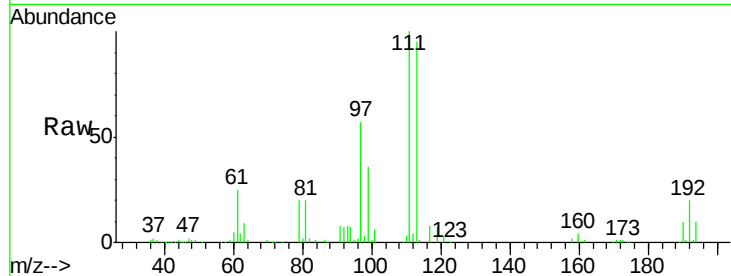
ClientSampleId :

VX0813WBS01

Tot Ion:	113	Resp:	71634
Ion	Ratio	Lower	Upper
113	100		
111	103.9	81.9	122.9
192	21.6	17.8	26.8

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 18.657 ug/l

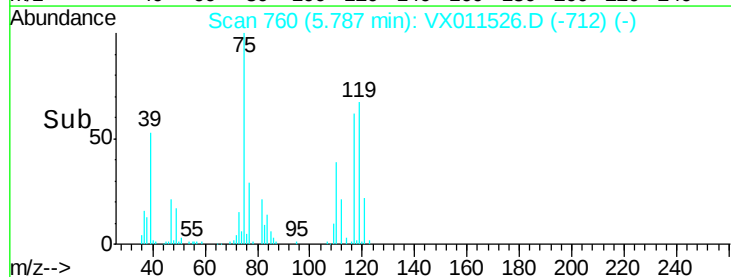
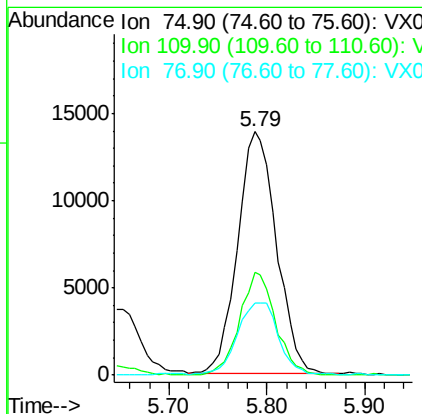
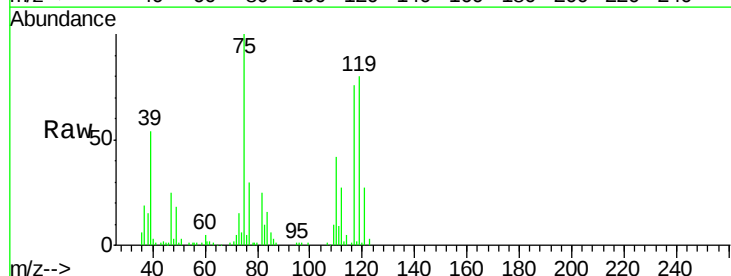
RT: 5.79 min Scan# 760

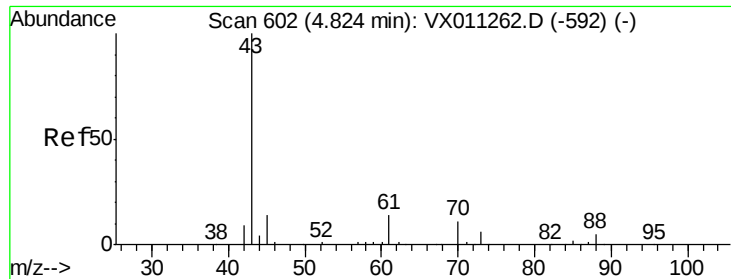
Delta R.T. -0.01 min

Lab File: VX011526.D

Acq: 13 Aug 2019 11:24

Tgt Ion:	75	Resp:	38061
Ion	Ratio	Lower	Upper
75	100		
110	39.3	20.0	59.9
77	31.8	24.8	37.2





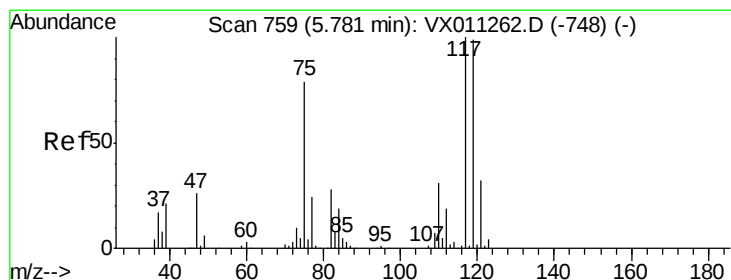
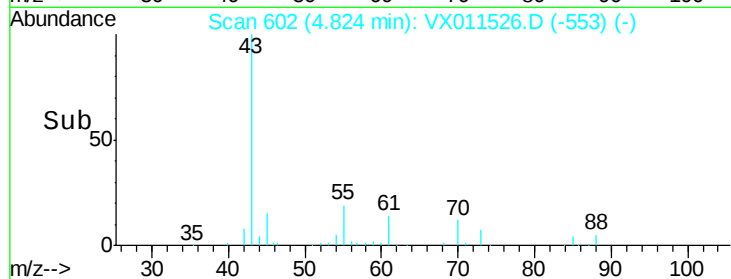
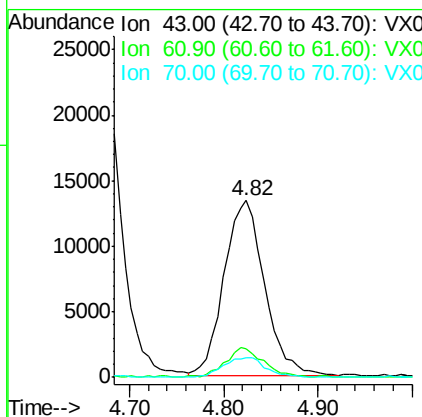
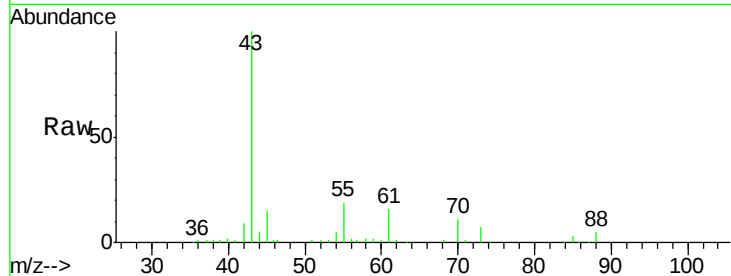
#37
Ethyl Acetate
Concen: 19.469 ug/l
RT: 4.82 min Scan# 602
Delta R.T. 0.00 min
Lab File: VX011526.D
Acq: 13 Aug 2019 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	12.6	18.8
70	11.8	9.1	13.7

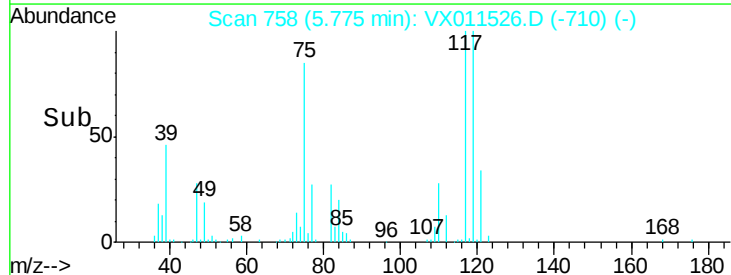
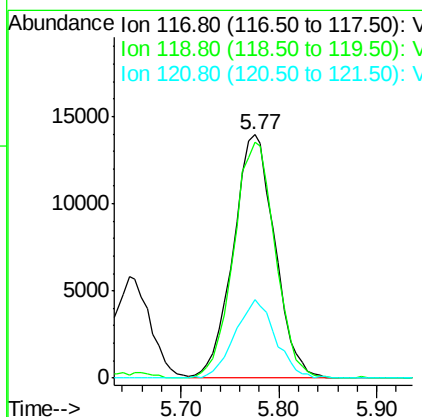
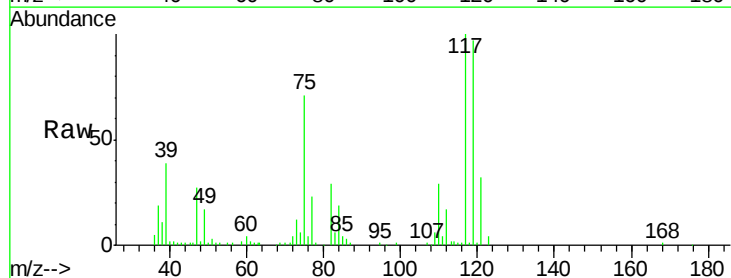
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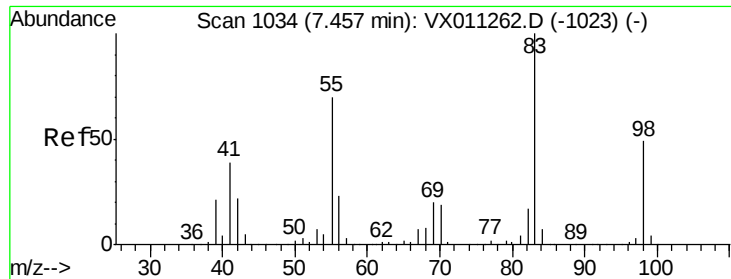
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#38
Carbon Tetrachloride
Concen: 20.079 ug/l
RT: 5.77 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX011526.D
Acq: 13 Aug 2019 11:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.8	79.0	118.4
121	32.4	25.9	38.9





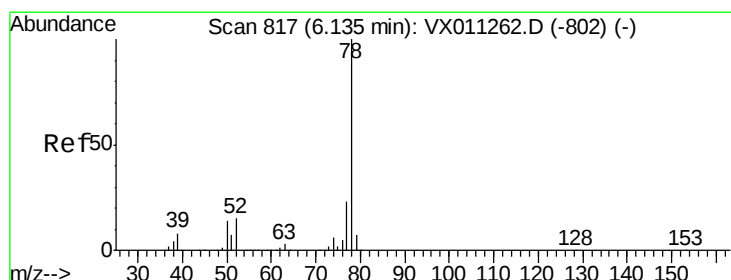
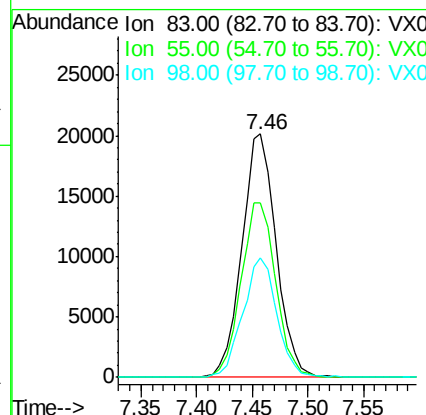
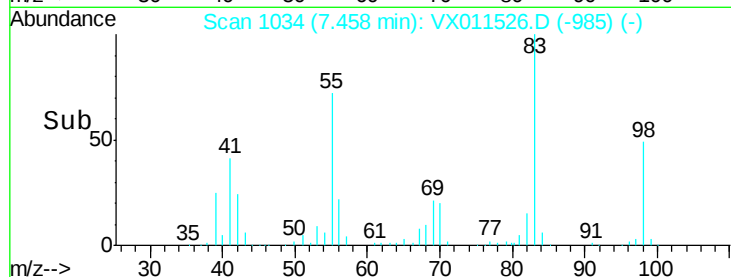
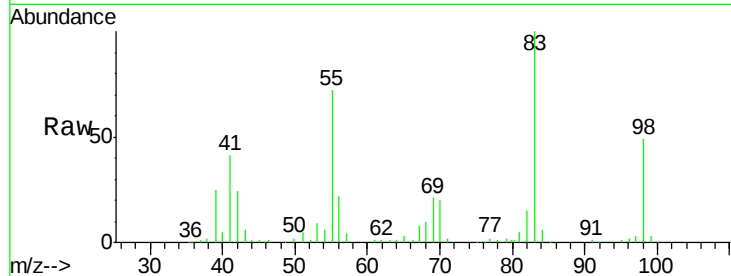
#39
Methvlcvclohexane
Concen: 17.780 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX011526.D
Acq: 13 Aug 2019 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.3	56.1	84.1
98	48.9	39.0	58.4

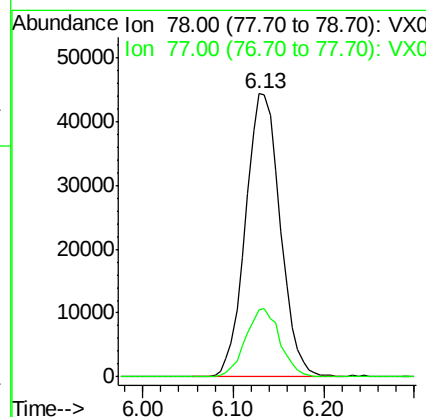
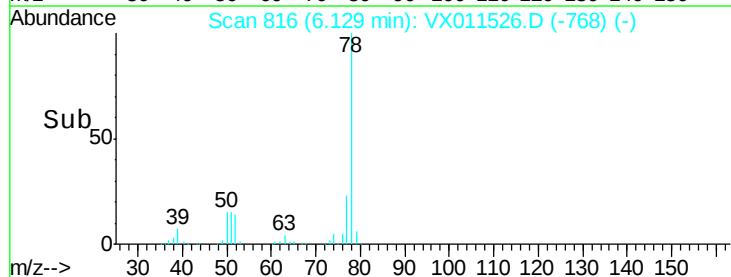
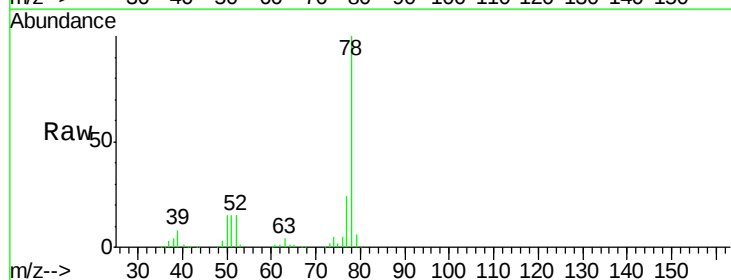
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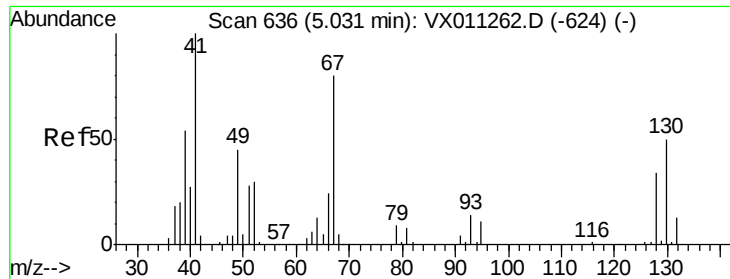
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#40
Benzene
Concen: 19.298 ug/l
RT: 6.13 min Scan# 816
Delta R.T. -0.01 min
Lab File: VX011526.D
Acq: 13 Aug 2019 11:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.2	27.2





#41

Methacrylonitrile

Concen: 19.998 ug/l

RT: 5.03 min Scan# 636

Delta R.T. 0.00 min

Lab File: VX011526.D

Acq: 13 Aug 2019 11:24

Instrument :

MSVOA_X

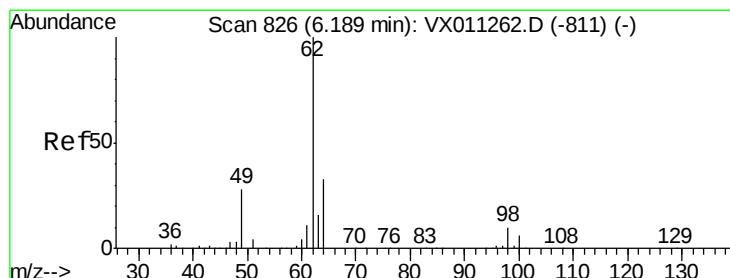
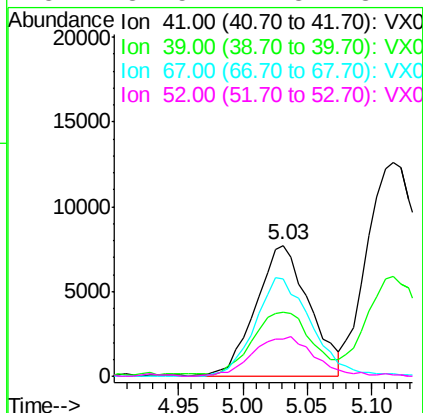
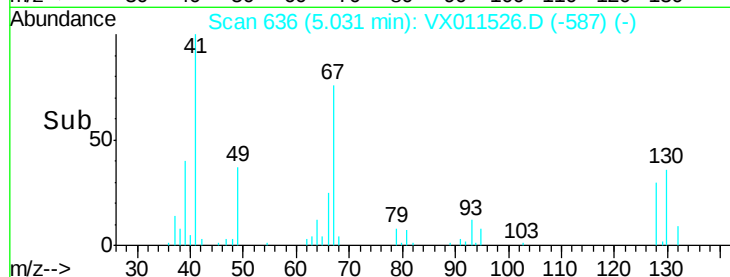
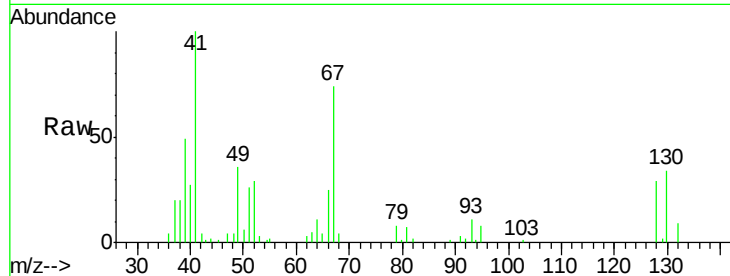
ClientSampleId :

VX0813WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	50.7	43.0	64.6
67	79.0	65.1	97.7
52	34.5	24.8	37.2

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 21.325 ug/l

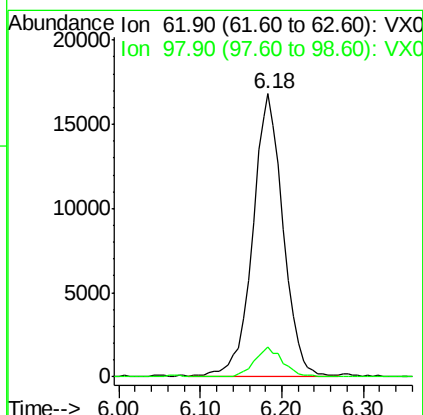
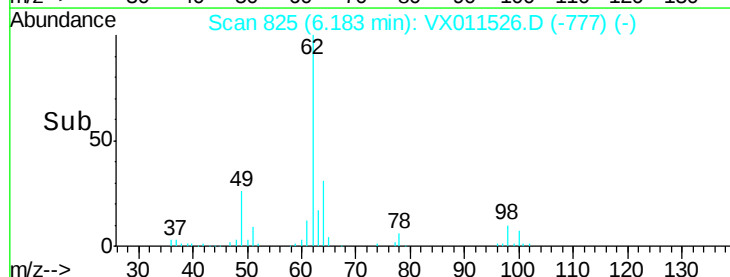
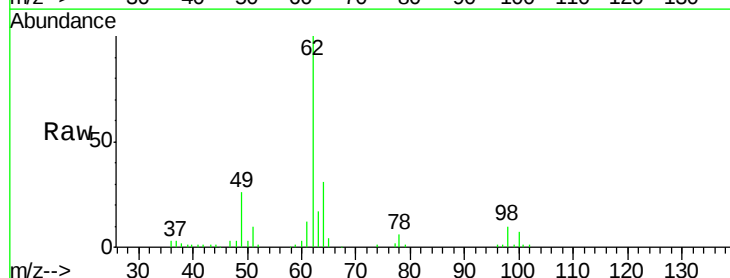
RT: 6.18 min Scan# 825

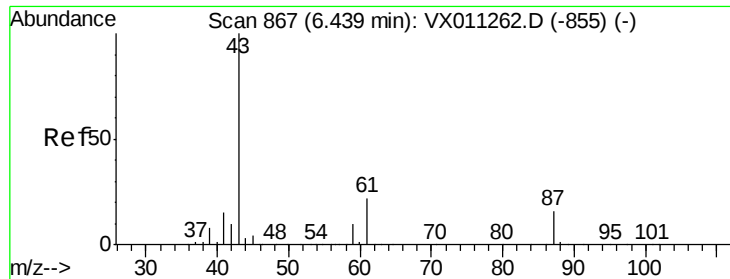
Delta R.T. -0.01 min

Lab File: VX011526.D

Acq: 13 Aug 2019 11:24

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	20.6





#43

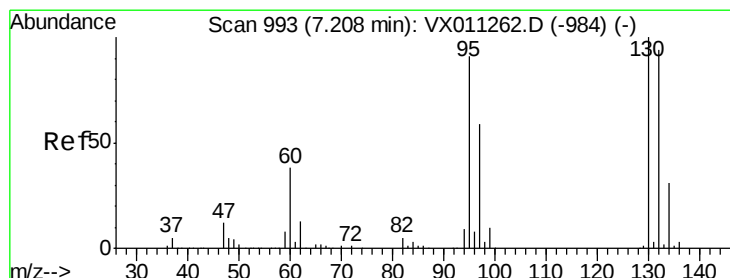
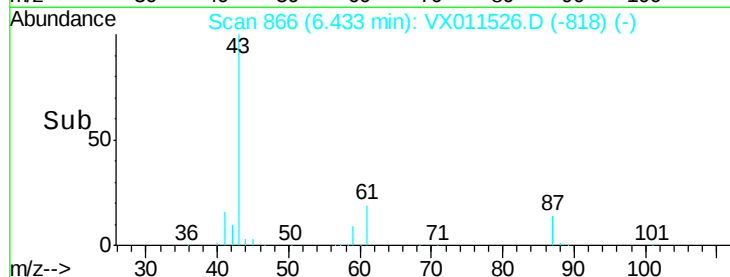
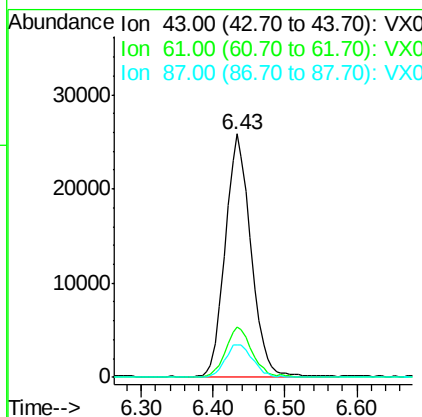
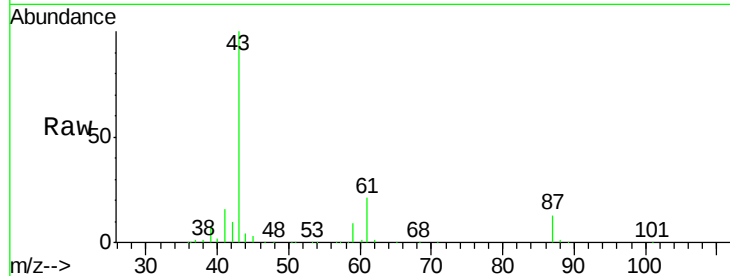
Isopropyl Acetate
 Concen: 19.544 ug/l
 RT: 6.43 min Scan# 866
 Delta R.T. -0.01 min
 Lab File: VX011526.D
 Acq: 13 Aug 2019 11:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0813WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.4	16.5	24.7
87	14.5	12.1	18.1

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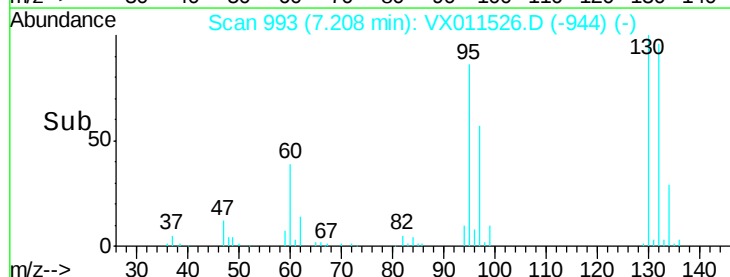
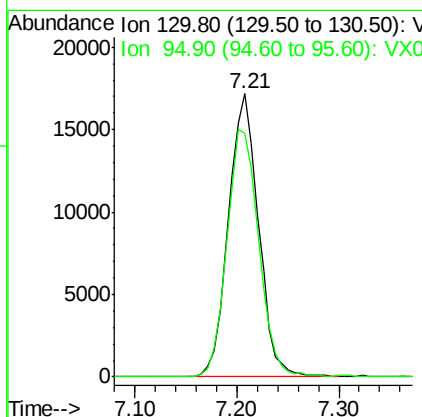
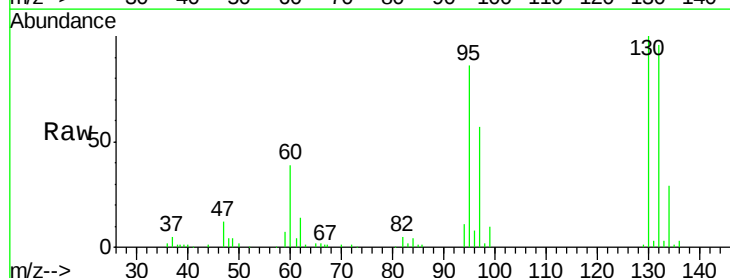
MMDadoda
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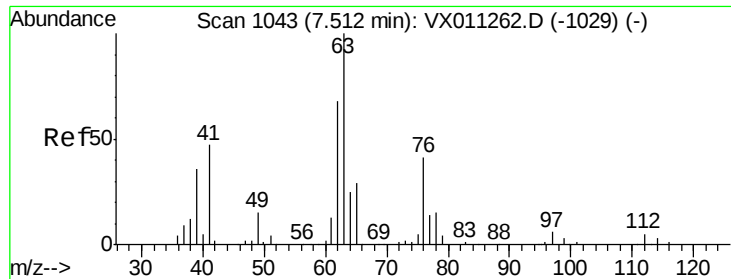


#44

Trichloroethene
 Concen: 18.903 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. 0.00 min
 Lab File: VX011526.D
 Acq: 13 Aug 2019 11:24

Tgt Ion	Ratio	Lower	Upper
130	100		
95	86.1	0.0	182.6





#45

1,2-Dichloropropane

Concen: 19.012 ug/l

RT: 7.51 min Scan# 1042

Delta R.T. -0.01 min

Lab File: VX011526.D

Acq: 13 Aug 2019 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX0813WBS01

Tot Ion: 63 Resp: 29975

Ion Ratio Lower Upper

63 100

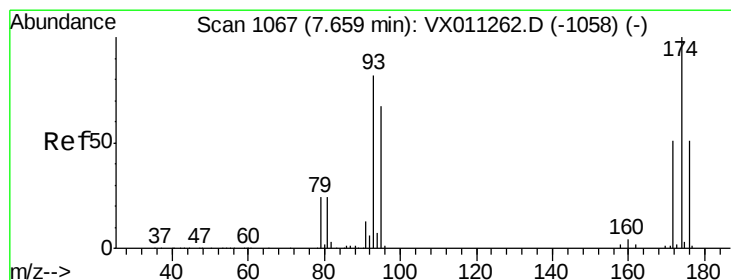
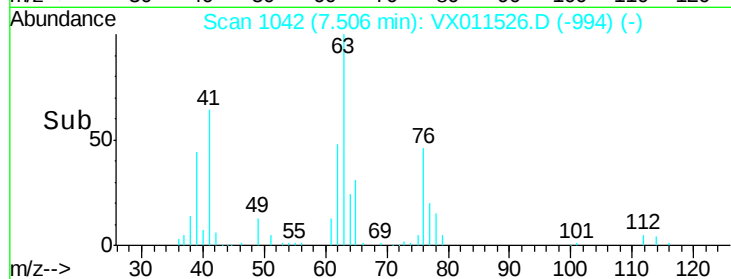
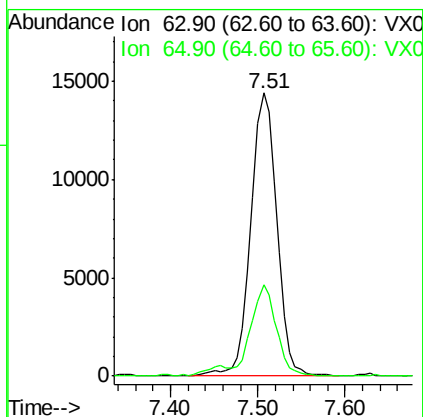
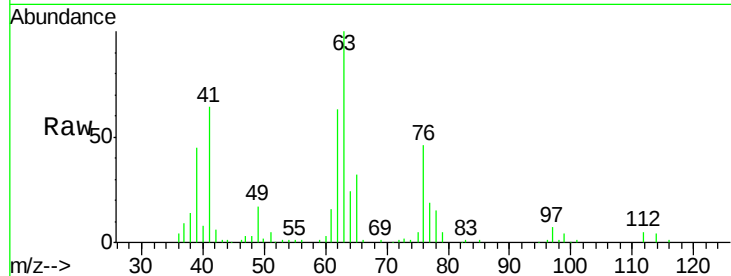
65 32.4 23.3 34.9

Manual Integrations

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#46

Dibromomethane

Concen: 19.342 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX011526.D

Acq: 13 Aug 2019 11:24

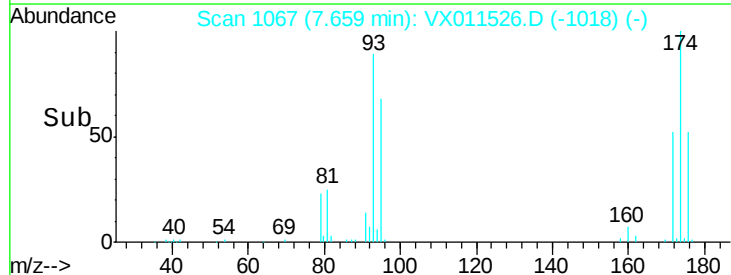
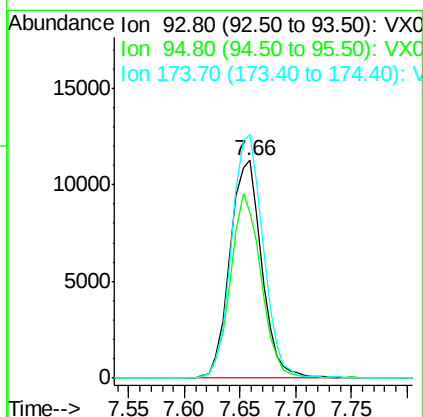
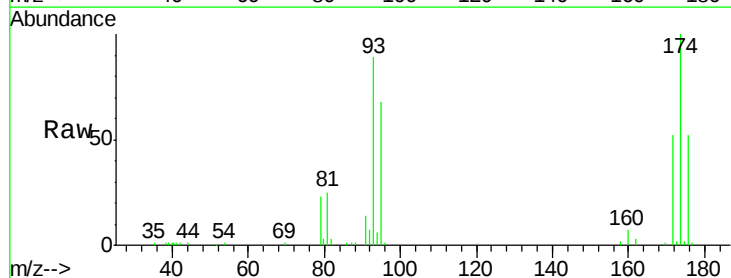
Tgt Ion: 93 Resp: 22262

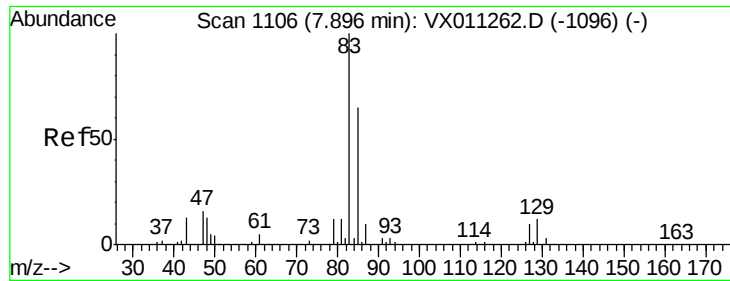
Ion Ratio Lower Upper

93 100

95 81.6 66.4 99.6

174 111.3 93.4 140.2





#47

Bromodichloromethane

Concen: 20.294 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VX011526.D

Acq: 13 Aug 2019 11:24

Instrument :

MSVOA_X

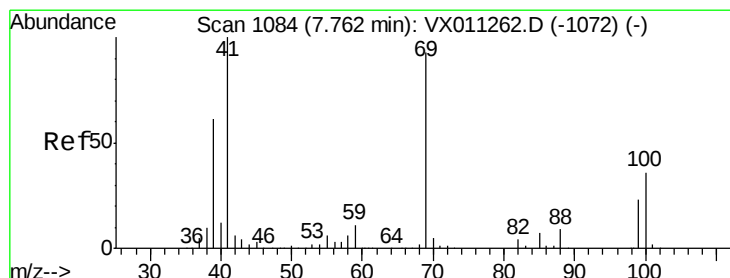
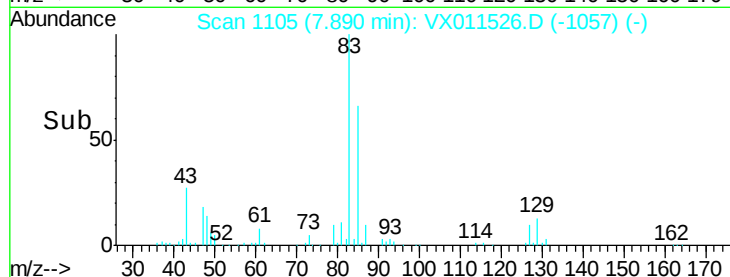
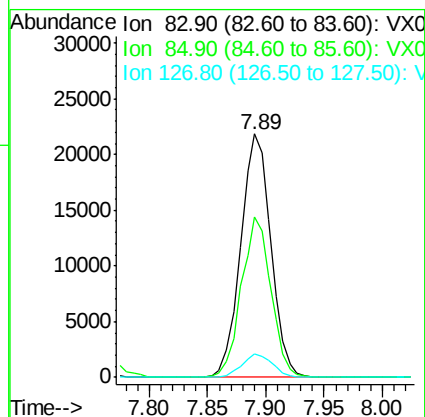
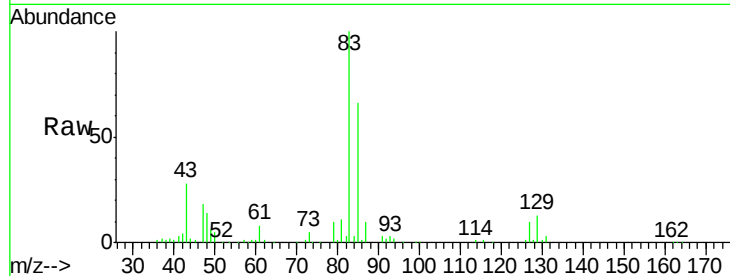
ClientSampleId :

VX0813WBS01

Tot Ion:	83	Resp:	39547
Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.2	78.2
127	9.7	7.8	11.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.334 ug/l

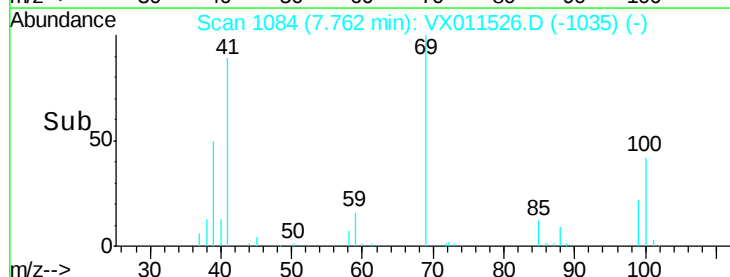
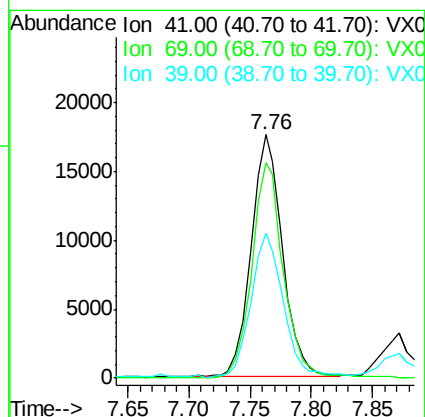
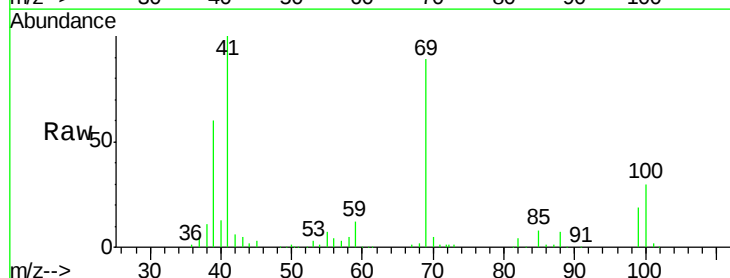
RT: 7.76 min Scan# 1084

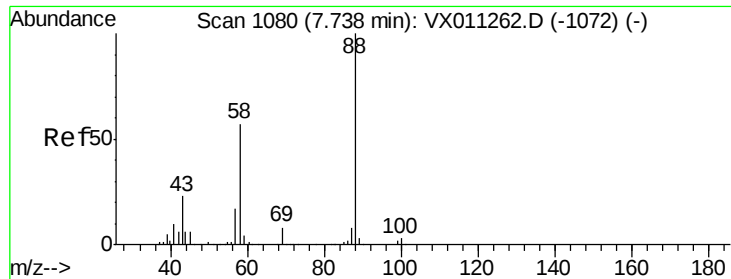
Delta R.T. 0.00 min

Lab File: VX011526.D

Acq: 13 Aug 2019 11:24

Tgt Ion:	41	Resp:	31308
Ion	Ratio	Lower	Upper
41	100		
69	90.6	74.5	111.7
39	61.1	48.6	72.8





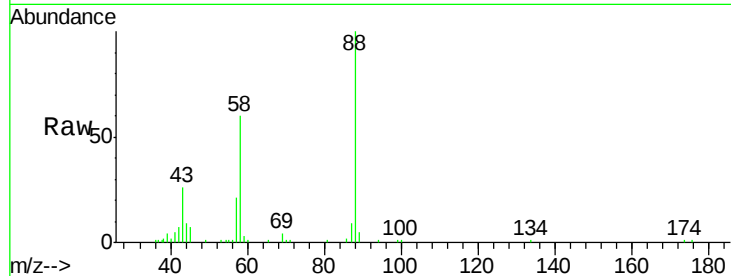
#49
1,4-Dioxane
Concen: 390.217 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. -0.01 min
Lab File: VX011526.D
Acq: 13 Aug 2019 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.5	22.2	33.2
58	63.6	47.8	71.8

Manual Integrations
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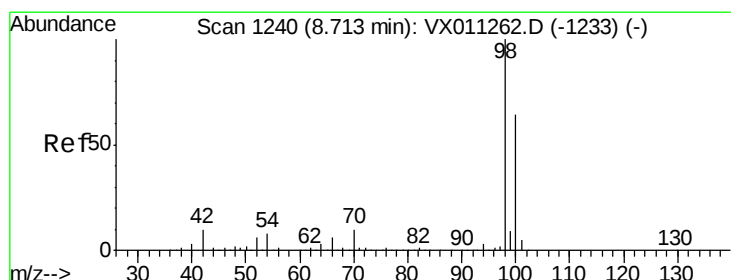
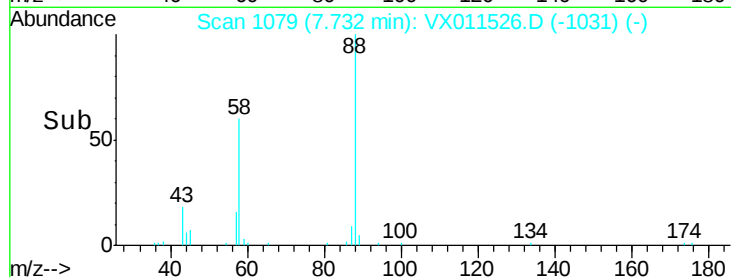
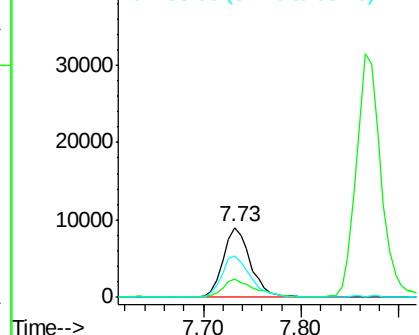


Abundance

Ion 88.00 (87.70 to 88.70): VX0

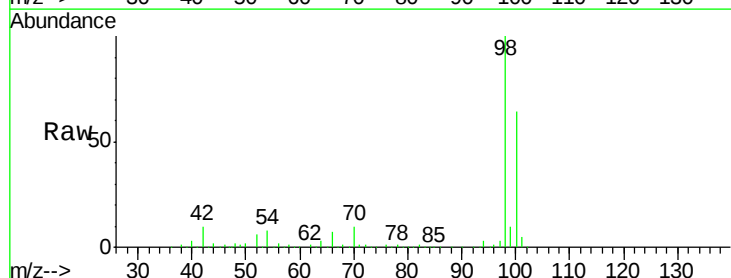
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 46.057 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011526.D
Acq: 13 Aug 2019 11:24

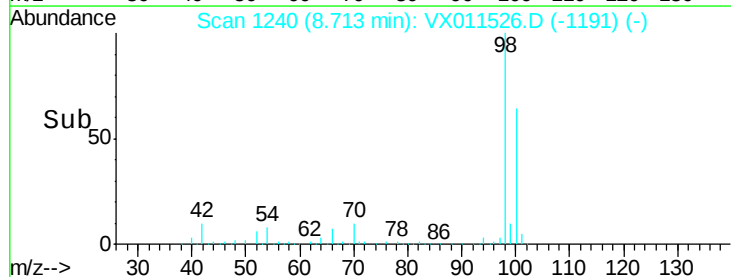
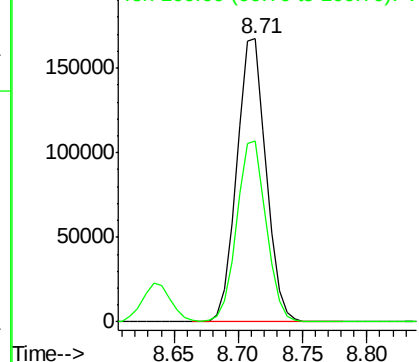
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.7	77.5



Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 102.768 ug/l

RT: 8.63 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VX011526.D

Acq: 13 Aug 2019 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX0813WBS01

Tot Ion: 43 Resp: 216984

Ion Ratio Lower Upper

43 100

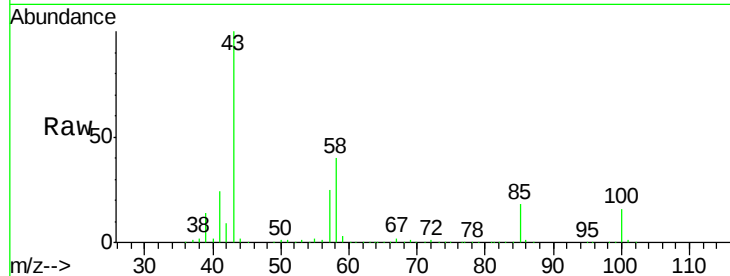
58 40.2 32.3 48.5

Manual Integrations

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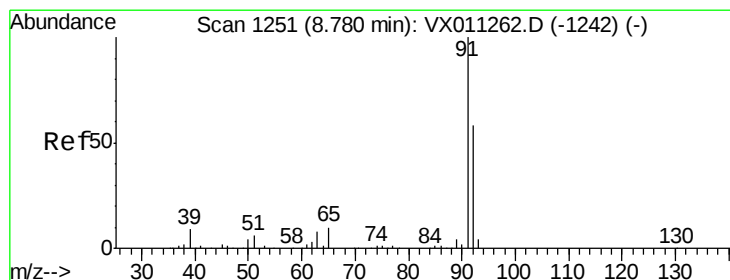
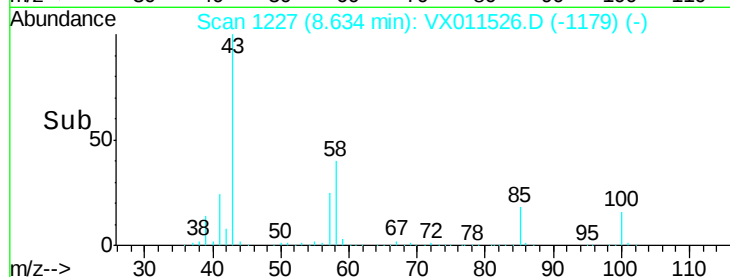
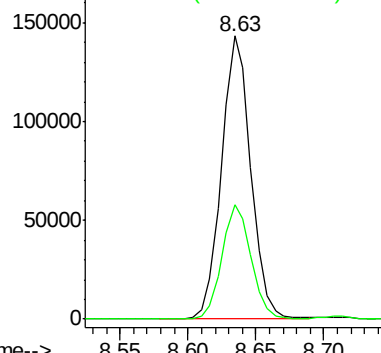
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 19.552 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX011526.D

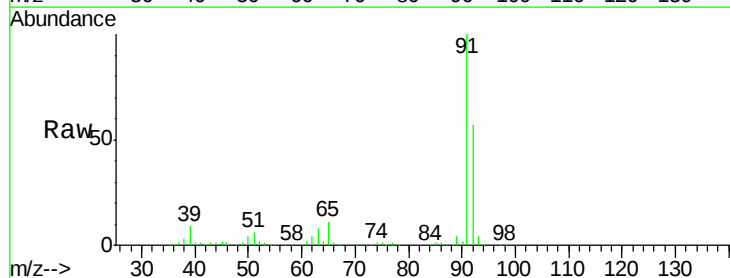
Acq: 13 Aug 2019 11:24

Tgt Ion: 92 Resp: 78699

Ion Ratio Lower Upper

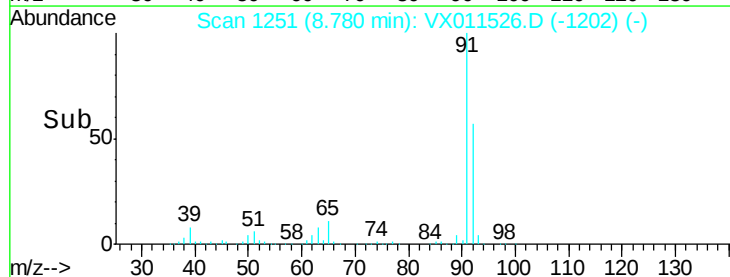
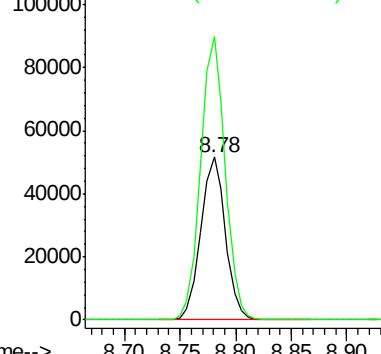
92 100

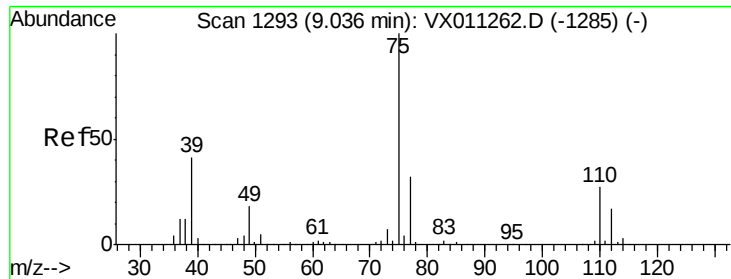
91 174.1 139.4 209.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





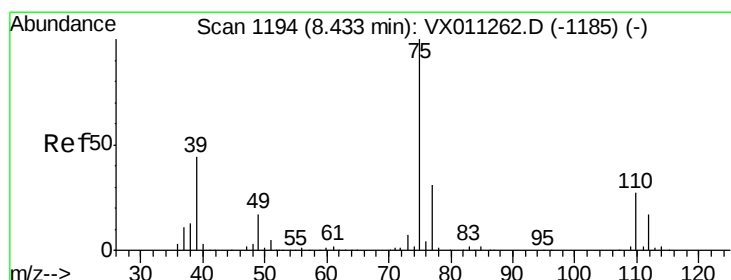
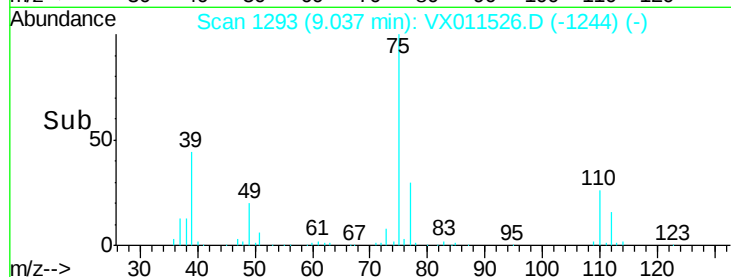
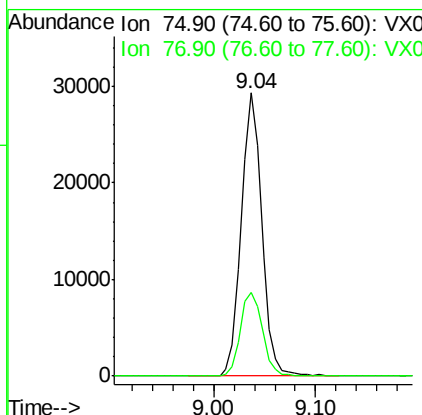
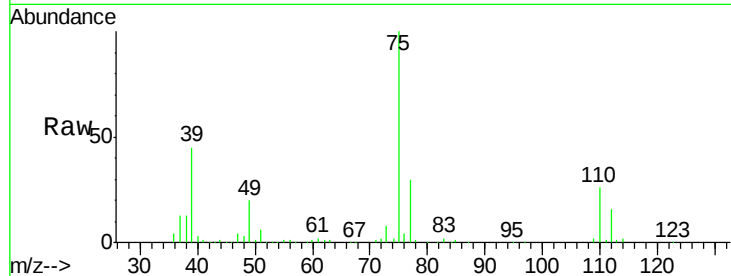
#53
t-1,3-Dichloropropene
Concen: 19.857 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX011526.D
Acq: 13 Aug 2019 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.8	25.4	38.0

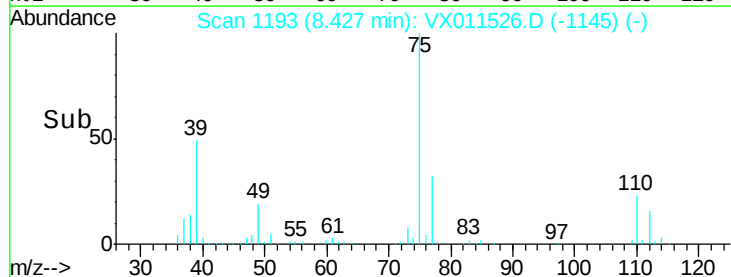
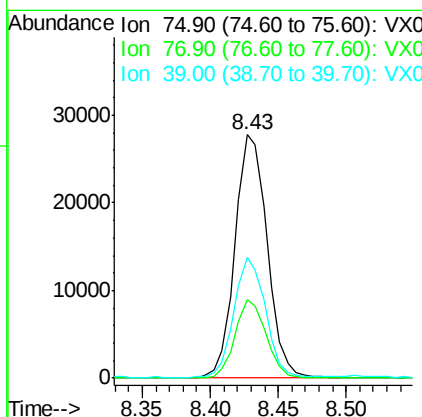
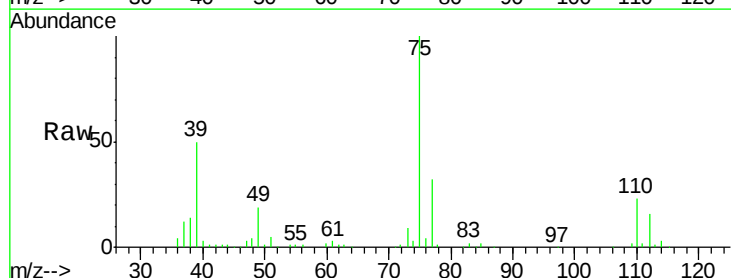
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#54
cis-1,3-Dichloropropene
Concen: 20.152 ug/l
RT: 8.43 min Scan# 1193
Delta R.T. -0.01 min
Lab File: VX011526.D
Acq: 13 Aug 2019 11:24

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.0	37.6
39	49.2	35.3	52.9





#55

1,1,2-Trichloroethane

Concen: 19.696 ug/l

RT: 9.21 min Scan# 1321

Delta R.T. -0.01 min

Lab File: VX011526.D

Acq: 13 Aug 2019 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX0813WBS01

Tot Ion: 97 Resp: 32595

Ion Ratio Lower Upper

97 100

83 85.0 67.6 101.4

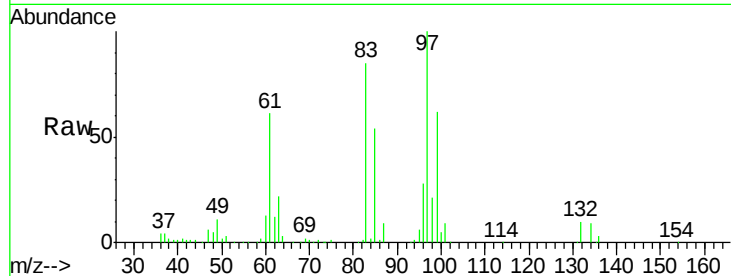
85 54.2 43.4 65.0

99 62.4 49.6 74.4

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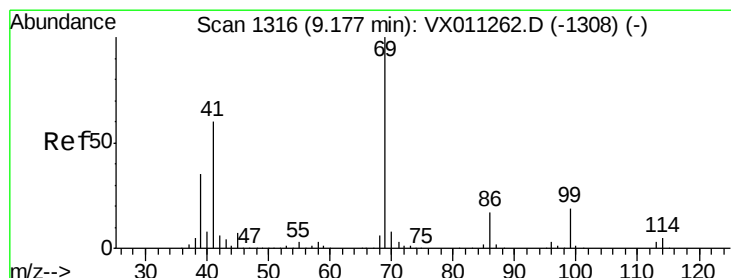
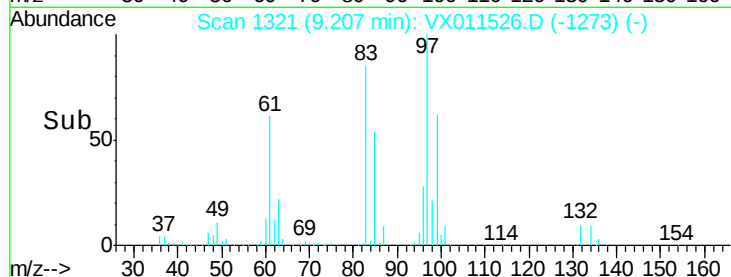
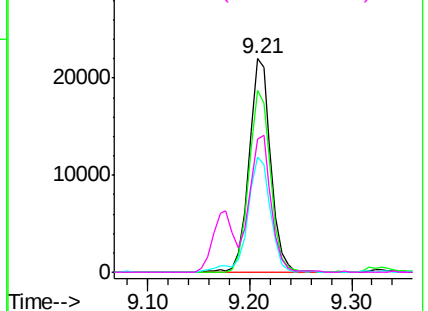


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 20.214 ug/l

RT: 9.17 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VX011526.D

Acq: 13 Aug 2019 11:24

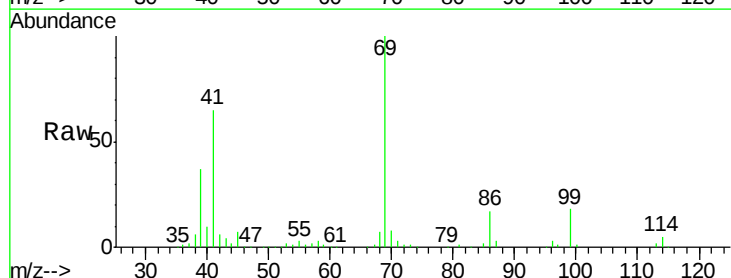
Tgt Ion: 69 Resp: 47671

Ion Ratio Lower Upper

69 100

41 63.0 48.6 73.0

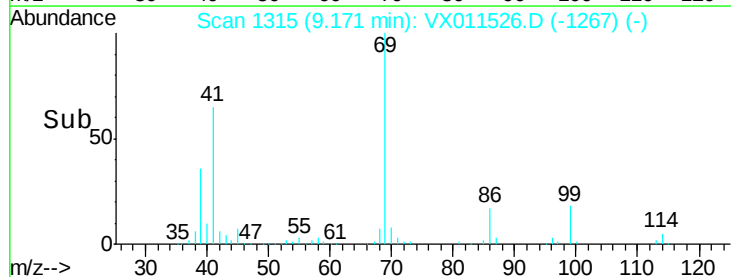
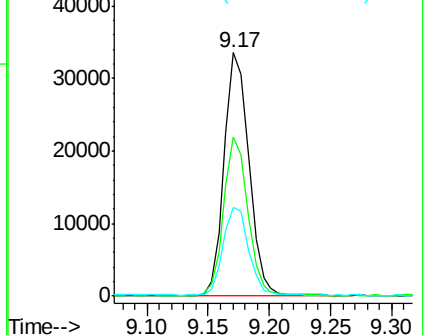
39 36.9 29.4 44.2

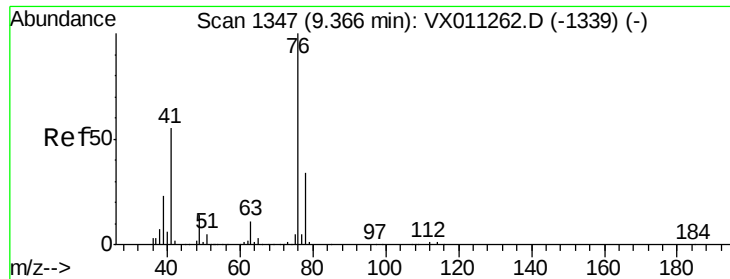


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 19.766 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VX011526.D

Acq: 13 Aug 2019 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX0813WBS01

Tot Ion: 76 Resp: 51733

Ion Ratio Lower Upper

76 100

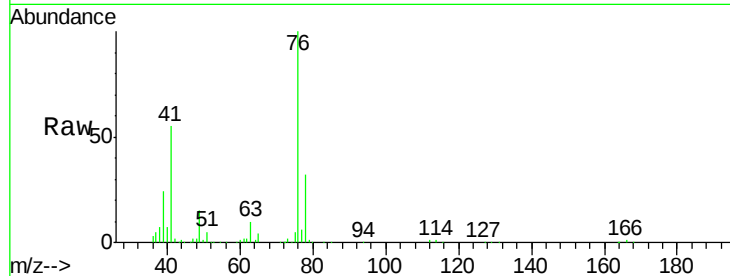
78 32.5 26.6 40.0

Manual Integrations

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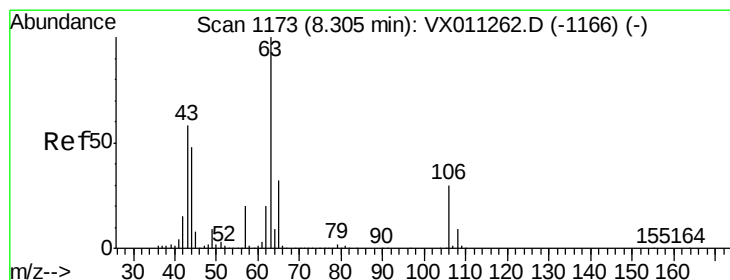
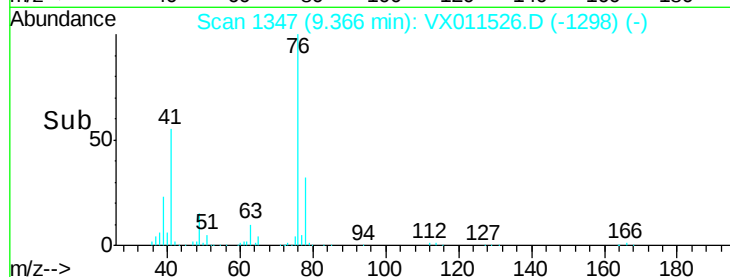
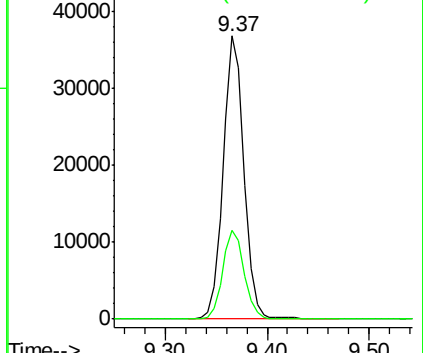
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 95.602 ug/l

RT: 8.30 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VX011526.D

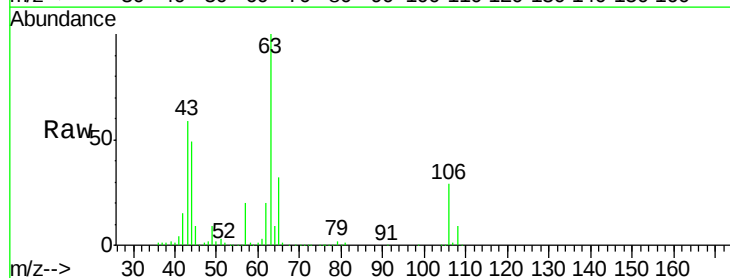
Acq: 13 Aug 2019 11:24

Tgt Ion: 63 Resp: 110858

Ion Ratio Lower Upper

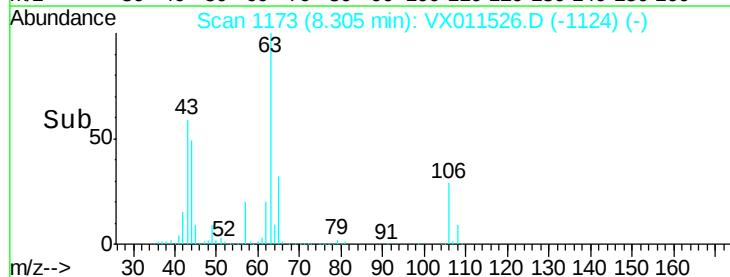
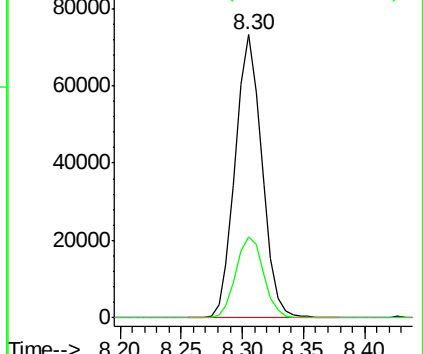
63 100

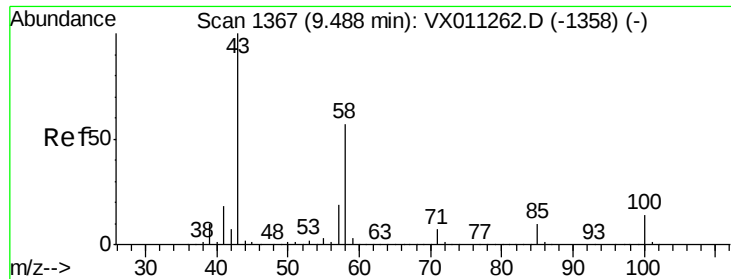
106 29.6 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





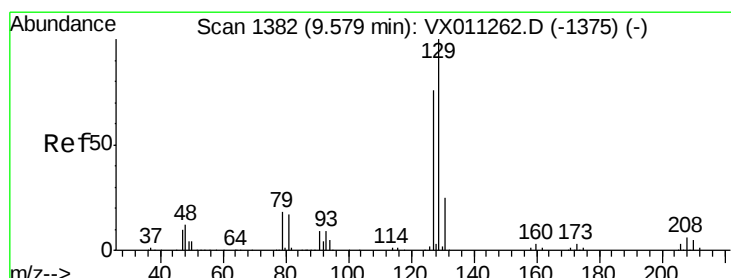
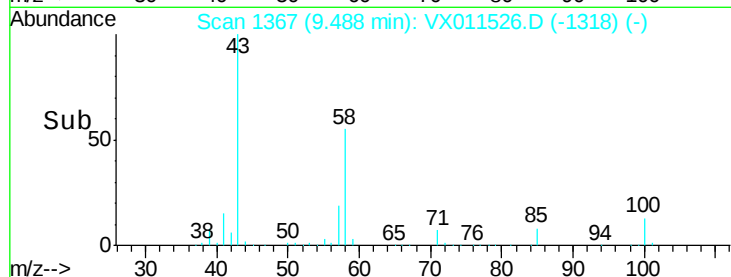
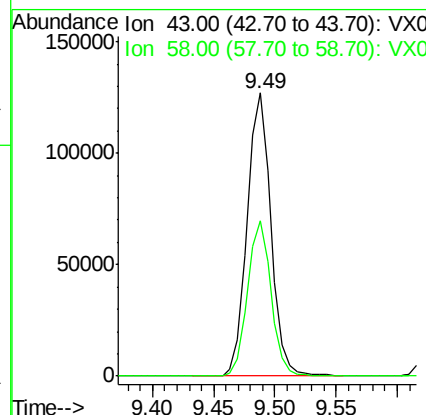
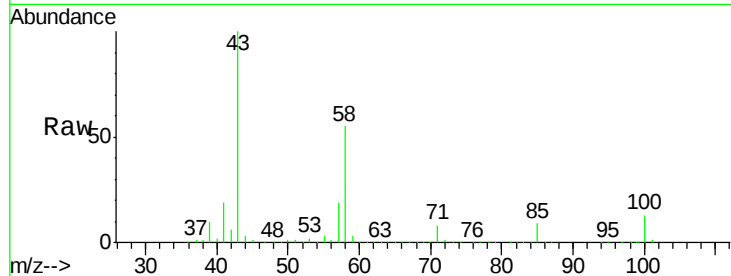
#59
2-Hexanone
Concen: 104.347 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011526.D
Acq: 13 Aug 2019 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tot Ion: 43 Resp: 170651
Ion Ratio Lower Upper
43 100
58 54.6 28.2 84.6

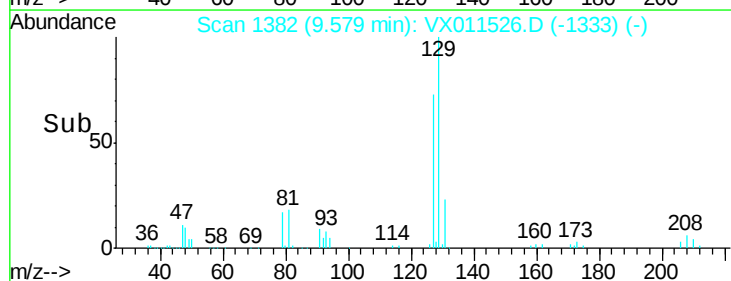
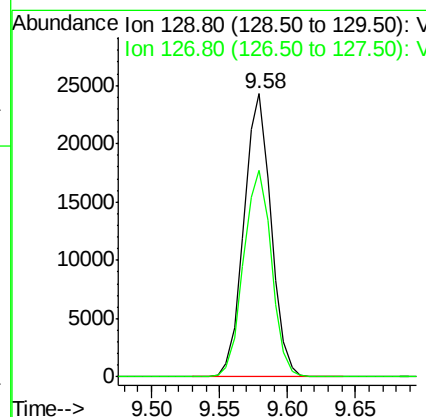
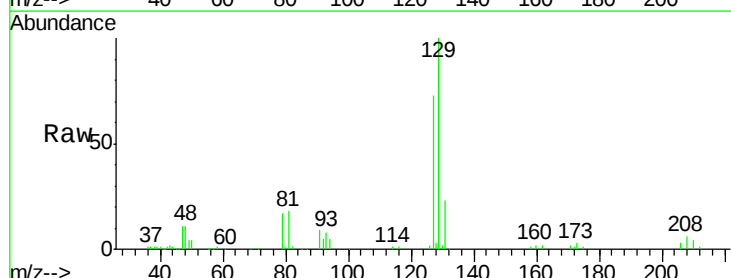
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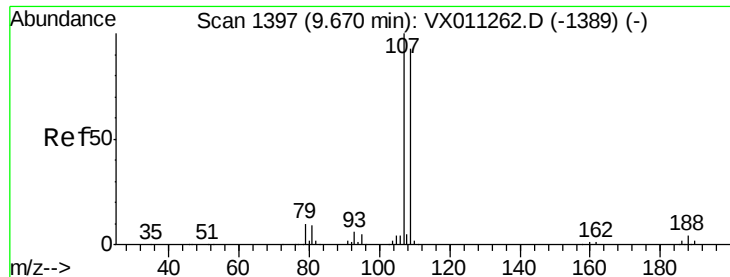
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#60
Dibromochloromethane
Concen: 19.980 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011526.D
Acq: 13 Aug 2019 11:24

Tgt Ion: 129 Resp: 33853
Ion Ratio Lower Upper
129 100
127 75.0 39.2 117.6





#61

1,2-Dibromoethane

Concen: 19.881 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX011526.D

Acq: 13 Aug 2019 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX0813WBS01

Tot Ion:107 Resp: 35546

Ion Ratio Lower Upper

107 100

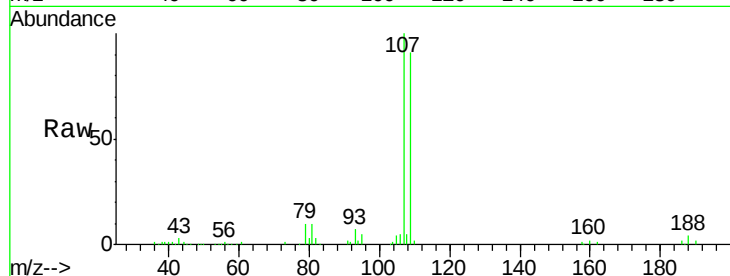
109 92.5 76.6 114.8

Manual Integrations

APPROVED

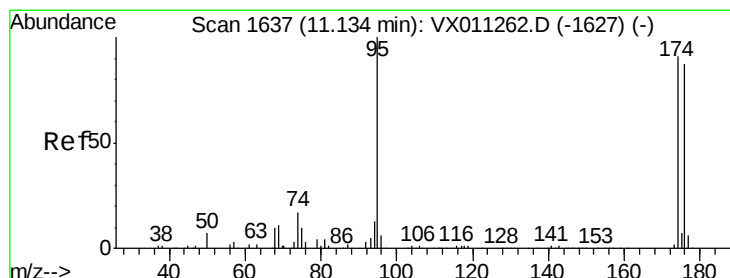
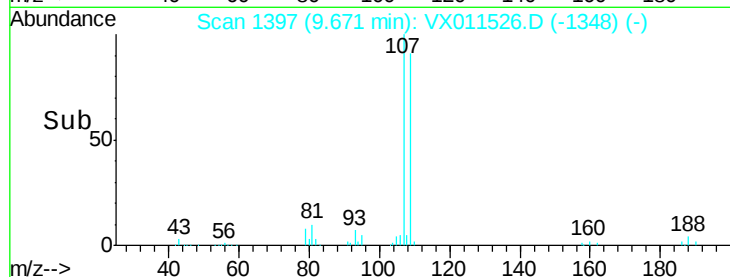
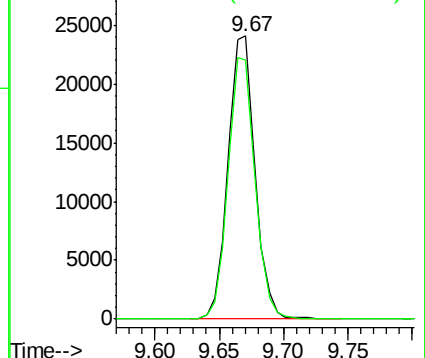
MMDadoda

8/14/2019 11:31:17 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.752 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011526.D

Acq: 13 Aug 2019 11:24

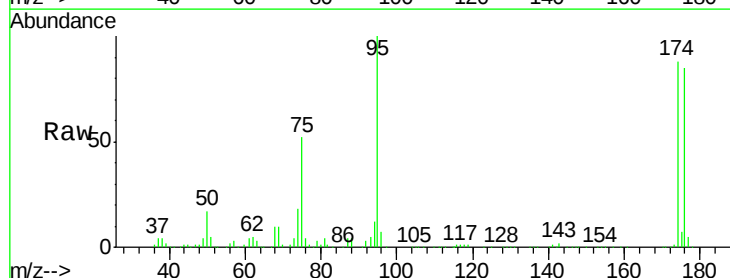
Tgt Ion: 95 Resp: 100230

Ion Ratio Lower Upper

95 100

174 88.8 0.0 191.2

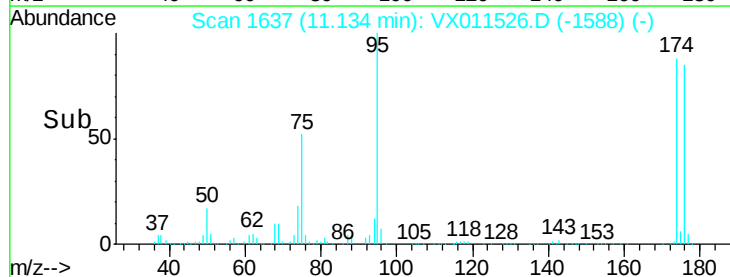
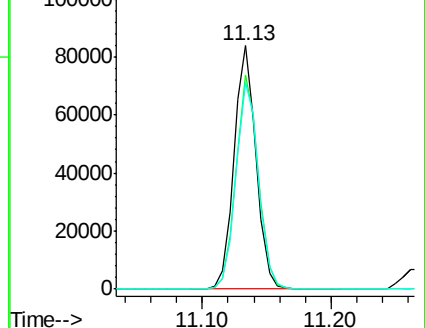
176 87.3 0.0 184.8

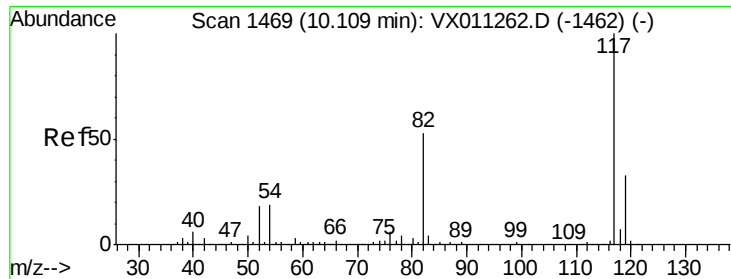


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





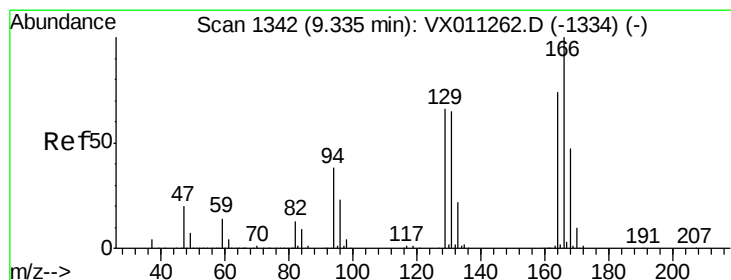
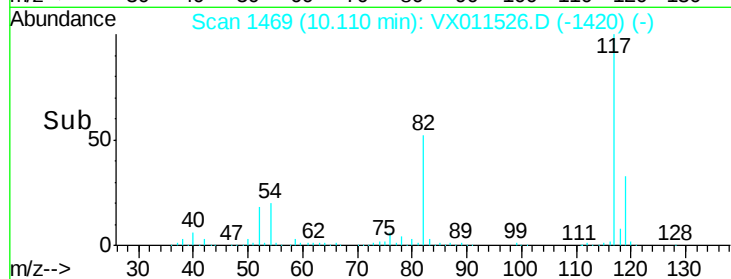
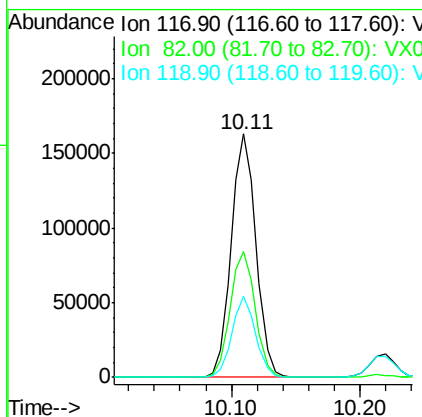
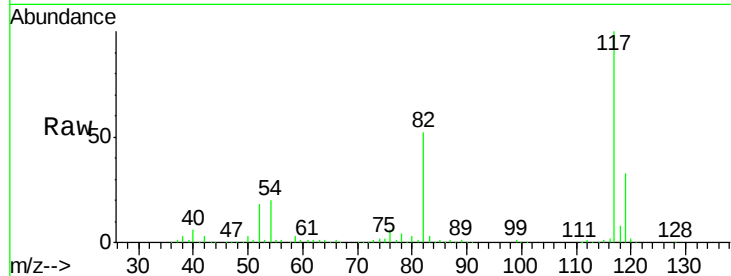
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011526.D
Acq: 13 Aug 2019 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.8	42.2	63.2
119	33.4	26.6	39.8

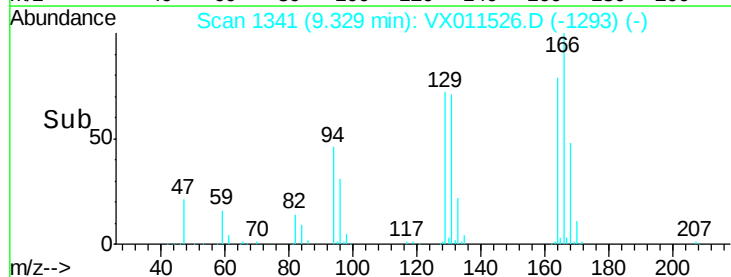
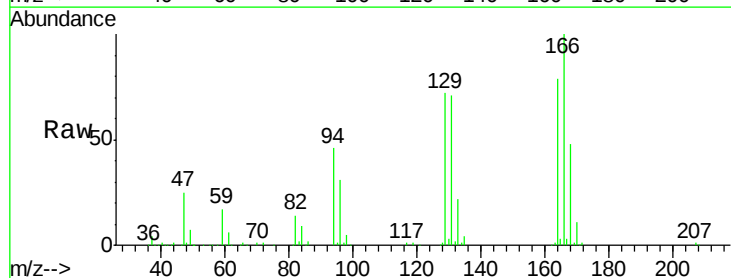
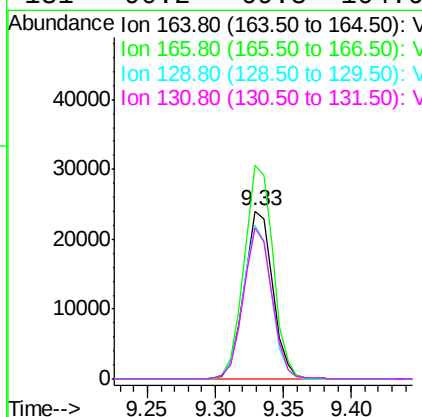
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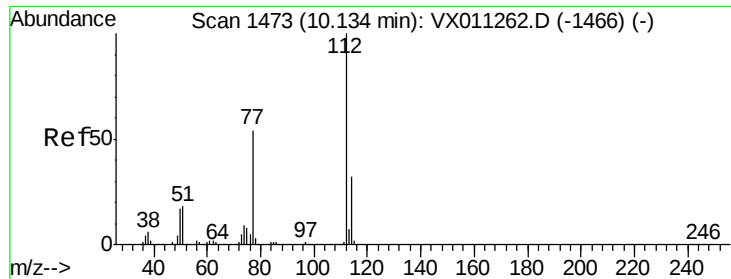
MMDadoda
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#64
Tetrachloroethene
Concen: 19.050 ug/l
RT: 9.33 min Scan# 1341
Delta R.T. -0.01 min
Lab File: VX011526.D
Acq: 13 Aug 2019 11:24

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.3	107.5	161.3
129	91.3	71.0	106.4
131	90.2	69.8	104.6





#65

Chlorobenzene

Concen: 18.975 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX011526.D

Acq: 13 Aug 2019 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX0813WBS01

Tot Ion:112 Resp: 89130

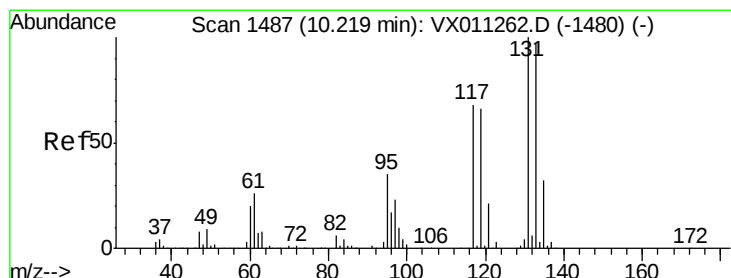
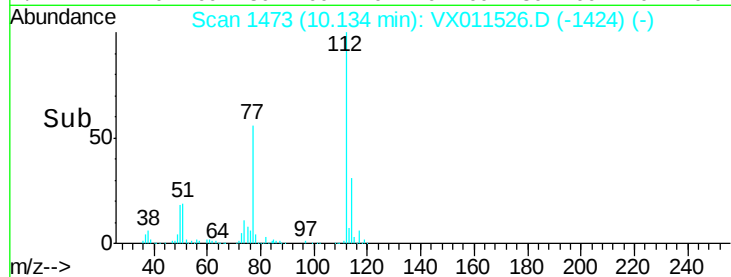
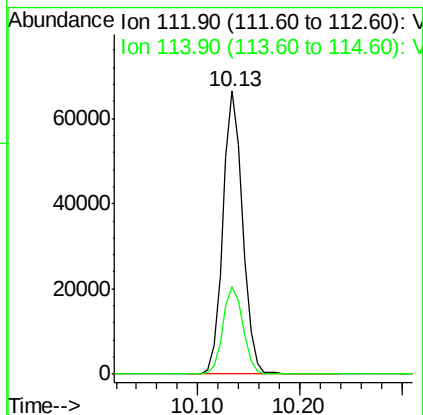
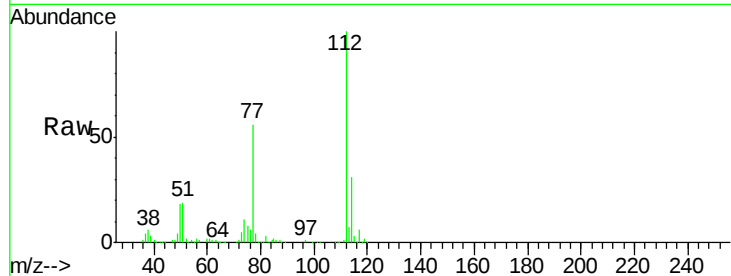
Ion Ratio Lower Upper

112 100

114 30.8 25.9 38.9

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 19.617 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX011526.D

Acq: 13 Aug 2019 11:24

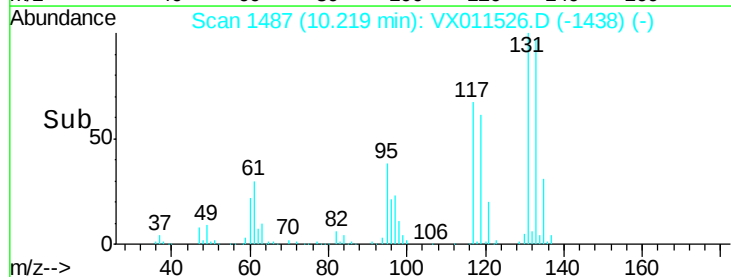
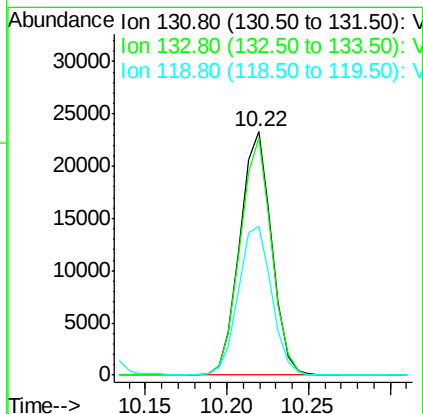
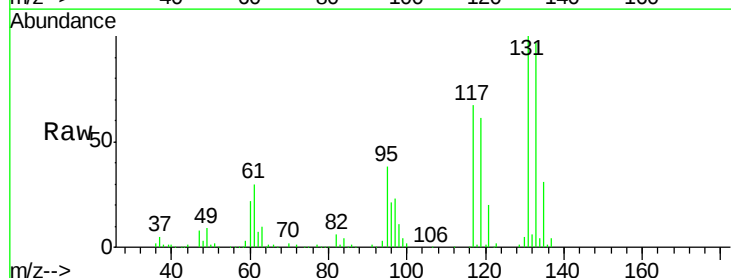
Tgt Ion:131 Resp: 31546

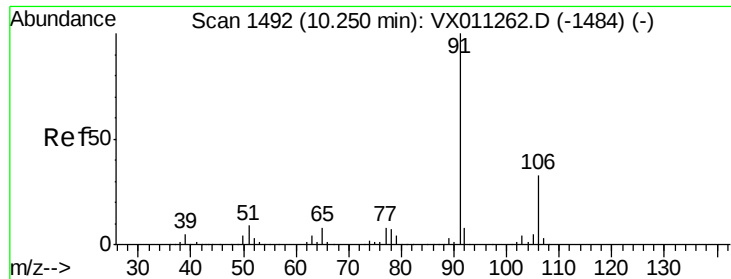
Ion Ratio Lower Upper

131 100

133 96.7 47.7 143.1

119 64.7 32.8 98.3





#67

Ethyl Benzene

Concen: 19.288 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX011526.D

Acq: 13 Aug 2019 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX0813WBS01

Tot Ion: 91 Resp: 151730

Ion Ratio Lower Upper

91 100

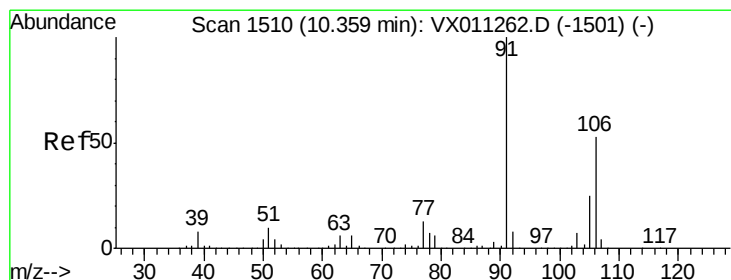
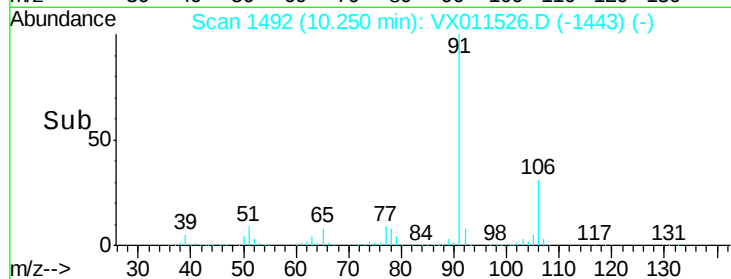
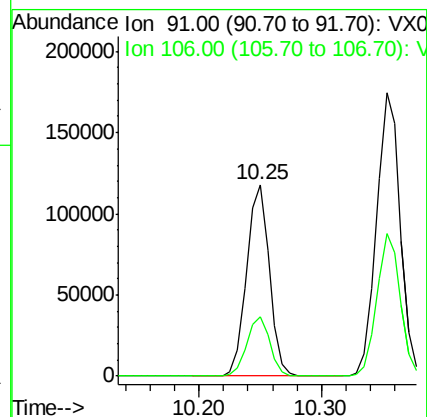
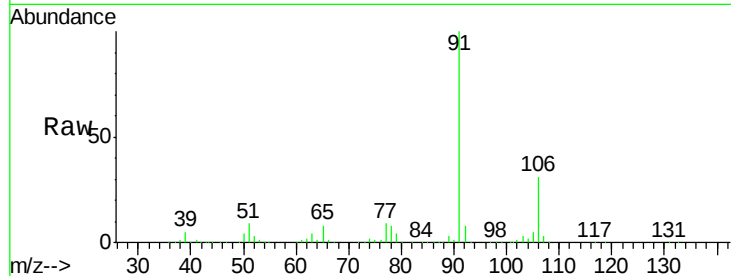
106 31.0 26.2 39.4

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#68

m/p-Xylenes

Concen: 38.449 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX011526.D

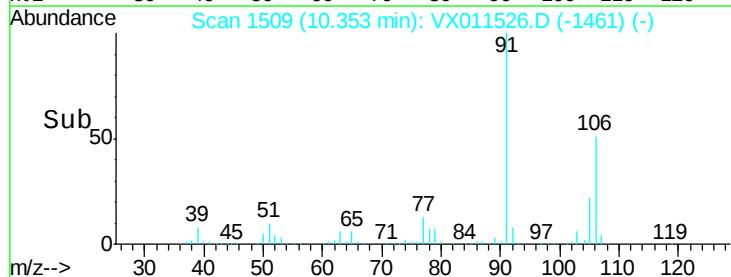
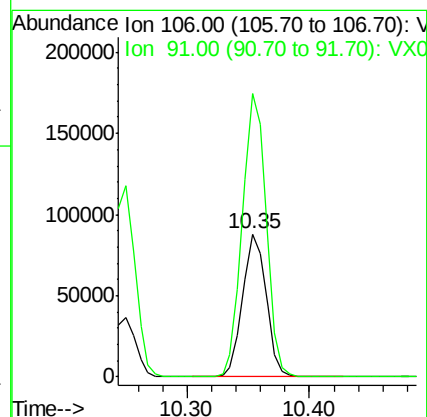
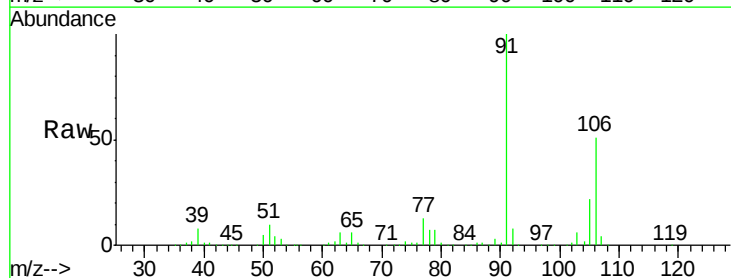
Acq: 13 Aug 2019 11:24

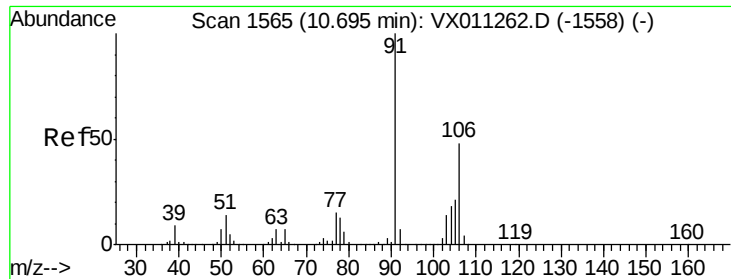
Tgt Ion: 106 Resp: 116993

Ion Ratio Lower Upper

106 100

91 200.4 155.9 233.9





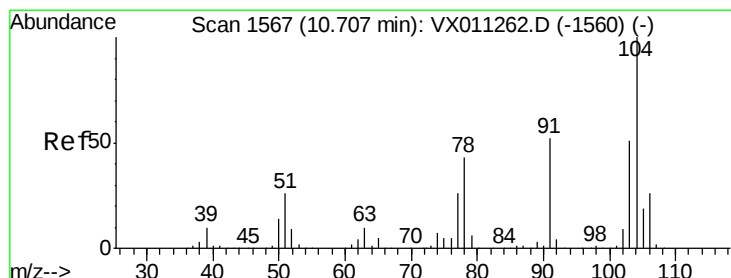
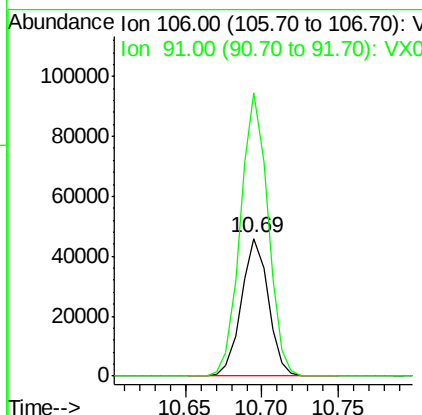
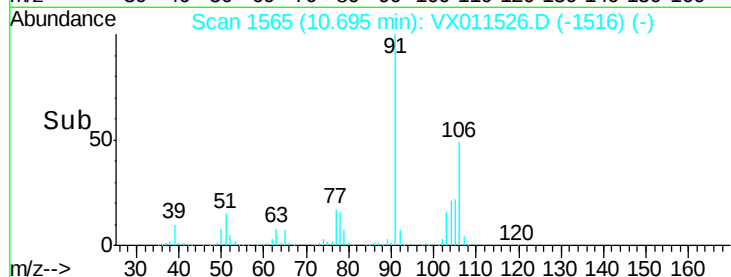
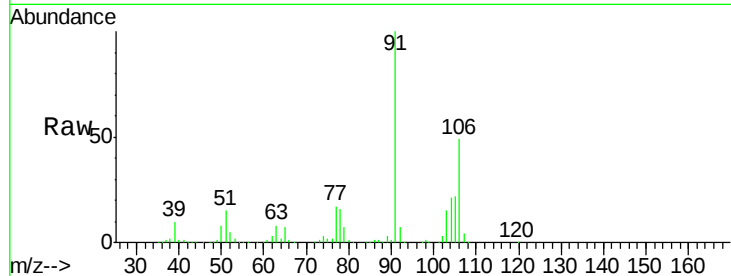
#69
o-Xylene
Concen: 18.843 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011526.D
Acq: 13 Aug 2019 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tot Ion:106 Resp: 56333
Ion Ratio Lower Upper
106 100
91 210.0 103.8 311.3

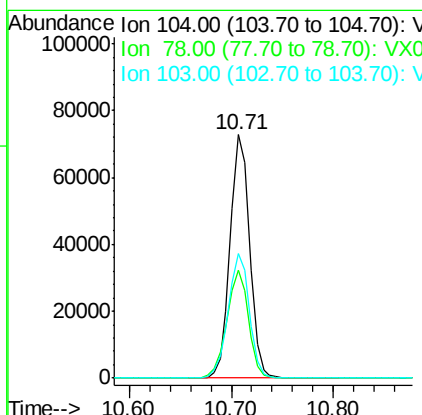
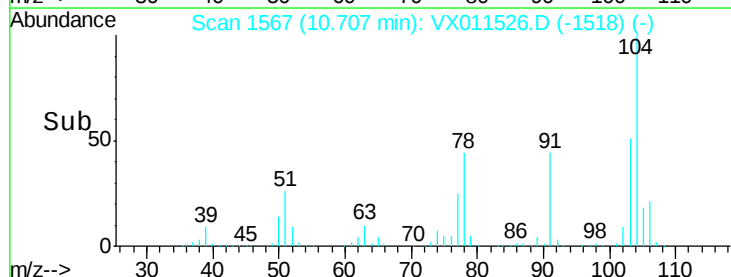
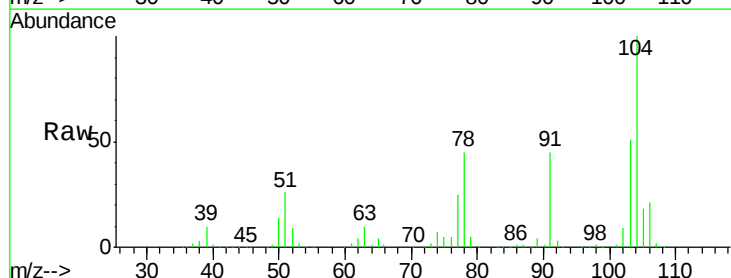
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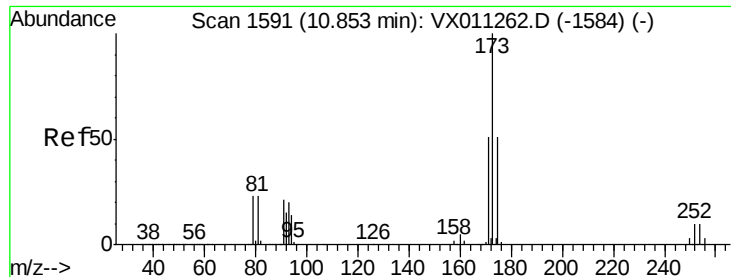
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#70
Styrene
Concen: 19.533 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011526.D
Acq: 13 Aug 2019 11:24

Tgt Ion:104 Resp: 96627
Ion Ratio Lower Upper
104 100
78 48.7 36.9 55.3
103 55.1 44.4 66.6





#71

Bromoform

Concen: 18.139 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011526.D

Acq: 13 Aug 2019 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX0813WBS01

Tot Ion:173 Resp: 23326

Ion Ratio Lower Upper

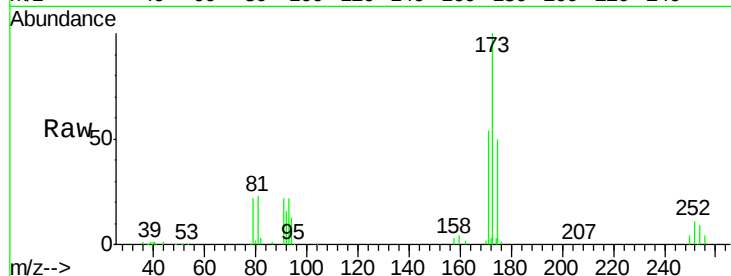
173 100

175 49.8 24.4 73.4

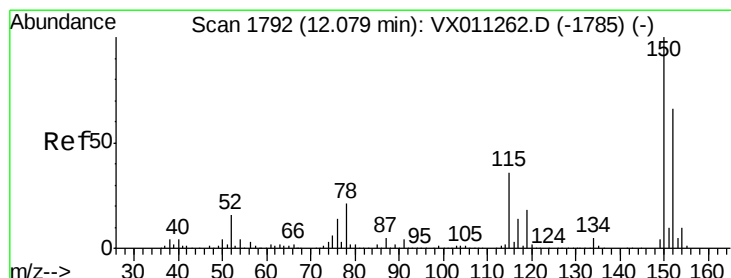
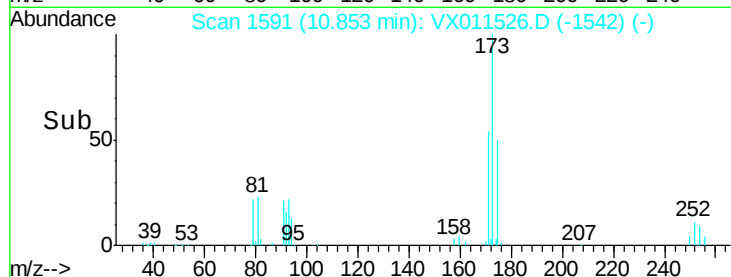
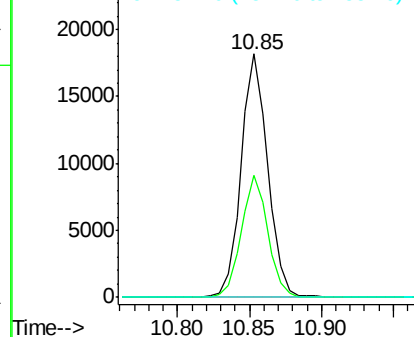
254 0.0 0.2 0.2#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX011526.D

Acq: 13 Aug 2019 11:24

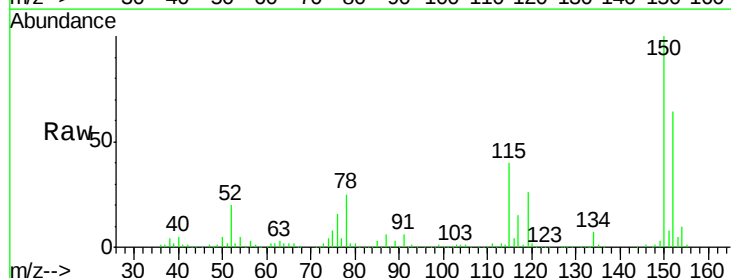
Tgt Ion:152 Resp: 116698

Ion Ratio Lower Upper

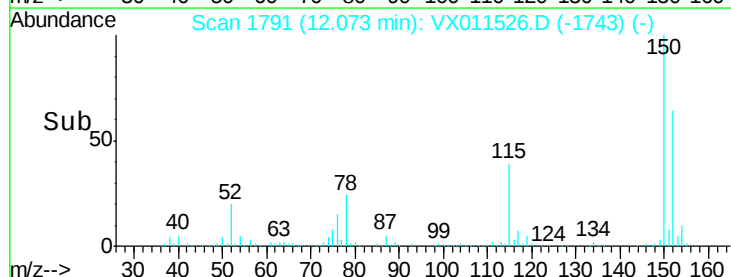
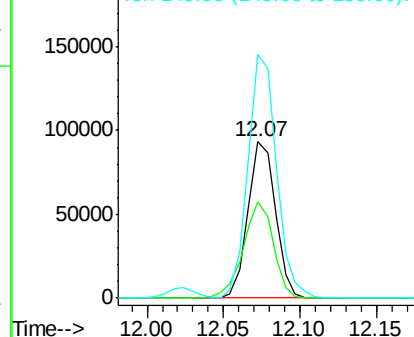
152 100

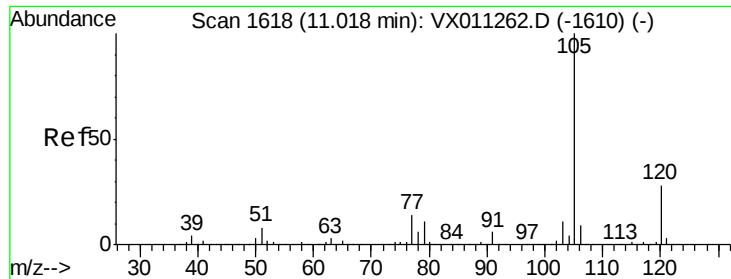
115 67.0 40.0 119.9

150 162.0 0.0 350.4



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





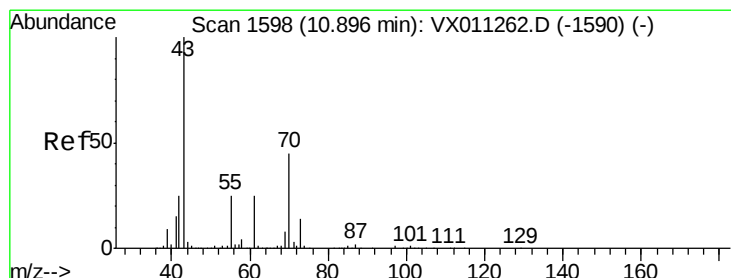
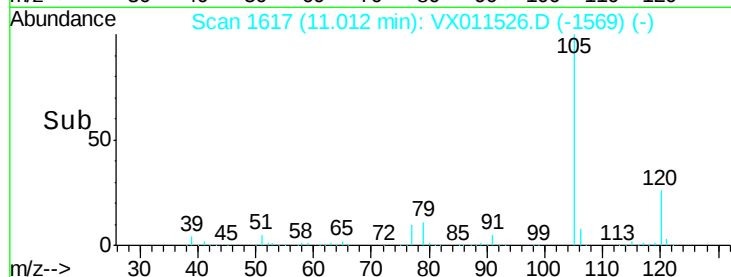
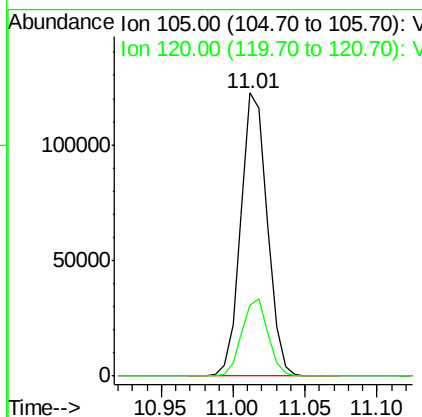
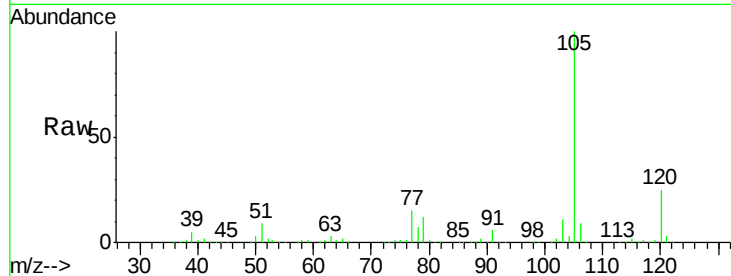
#73
Isopropylbenzene
Concen: 19.539 ug/l
RT: 11.01 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VX011526.D
Acq: 13 Aug 2019 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tot Ion: 105 Resp: 155947
Ion Ratio Lower Upper
105 100
120 26.9 13.7 41.1

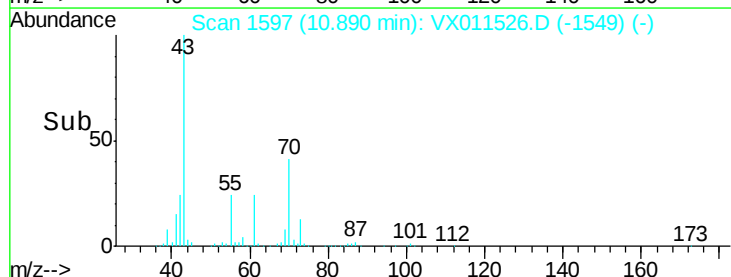
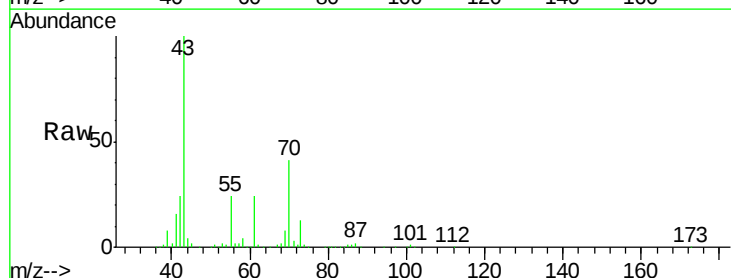
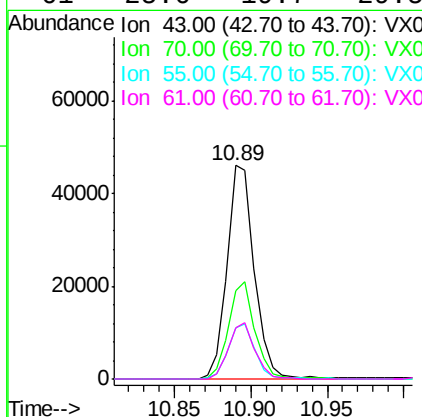
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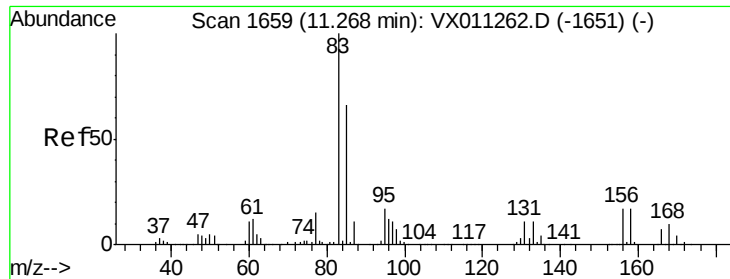
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#74
N-ethyl acetate
Concen: 19.729 ug/l
RT: 10.89 min Scan# 1597
Delta R.T. -0.01 min
Lab File: VX011526.D
Acq: 13 Aug 2019 11:24

Tgt Ion: 43 Resp: 56896
Ion Ratio Lower Upper
43 100
70 44.5 35.9 53.9
55 25.5 19.8 29.6
61 25.6 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.437 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX011526.D

Acq: 13 Aug 2019 11:24

Instrument :

MSVOA_X

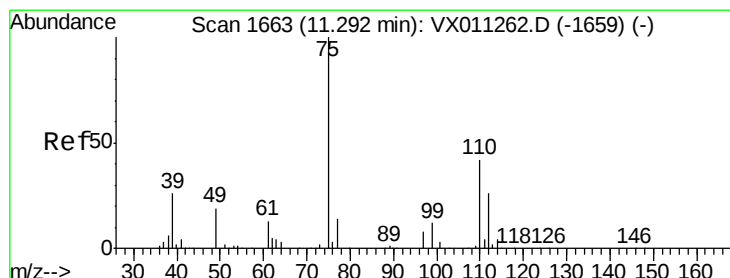
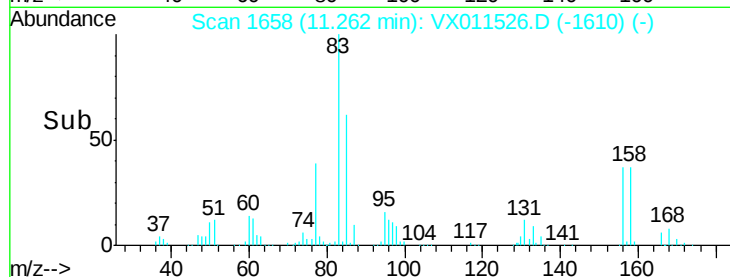
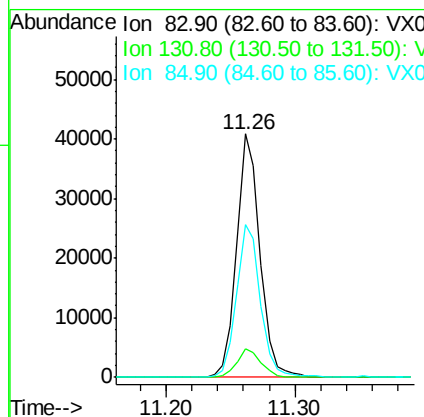
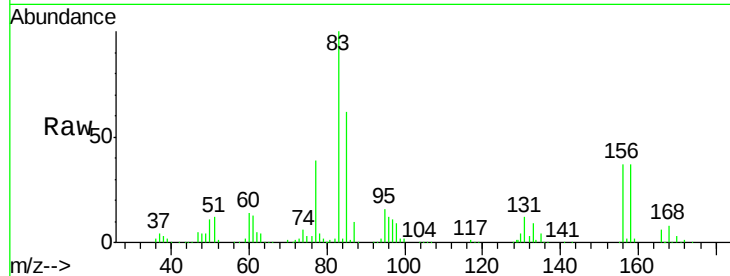
ClientSampleId :

VX0813WBS01

Tot Ion:	83	Resp:	51698
Ion Ratio	Lower	Upper	
83	100		
131	11.9	5.6	16.8
85	64.5	32.1	96.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.414 ug/l m

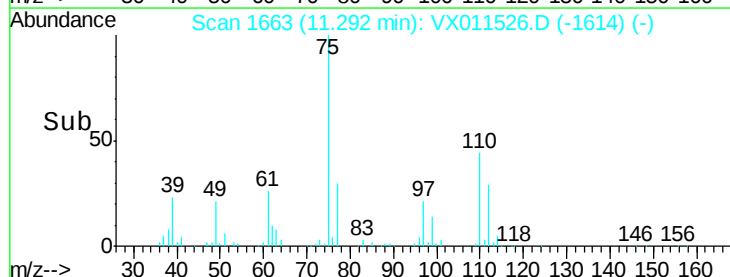
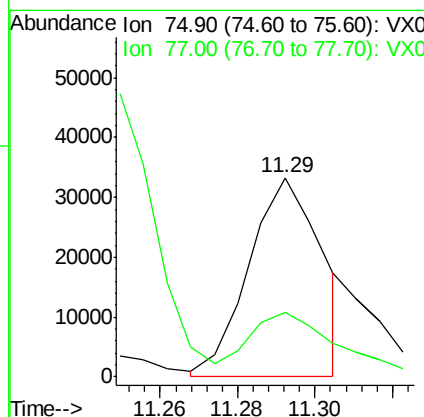
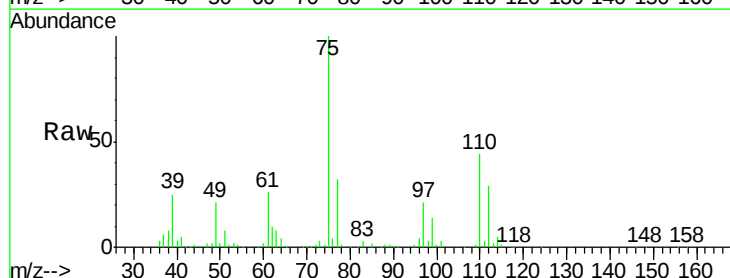
RT: 11.29 min Scan# 1663

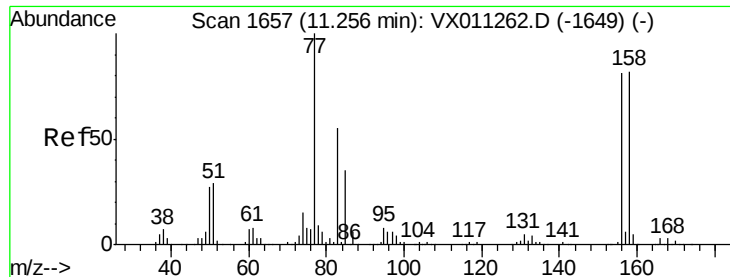
Delta R.T. 0.00 min

Lab File: VX011526.D

Acq: 13 Aug 2019 11:24

Tgt Ion:	75	Resp:	43385
Ion Ratio	Lower	Upper	
75	100		
77	40.0	21.1	63.4





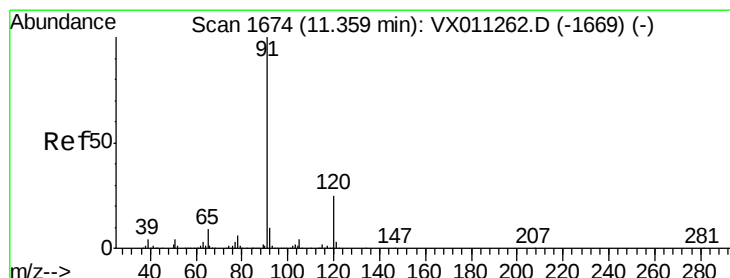
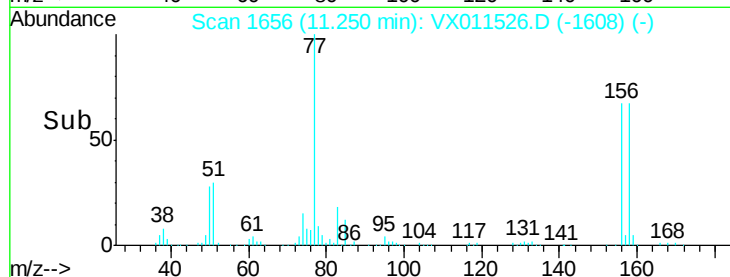
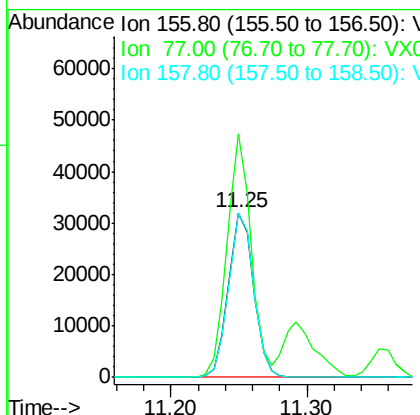
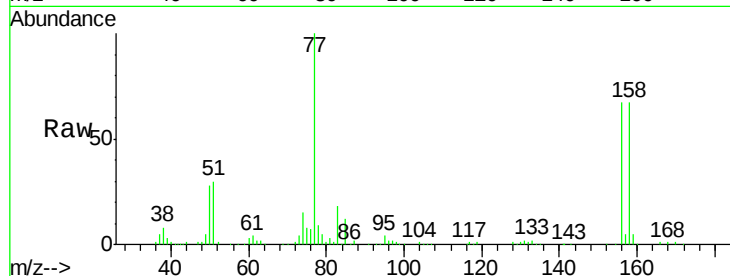
#77
Bromobenzene
Concen: 18.671 ug/l
RT: 11.25 min Scan# 1656
Delta R.T. -0.01 min
Lab File: VX011526.D
Acq: 13 Aug 2019 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	140.8	66.2	198.6
158	99.5	49.1	147.3

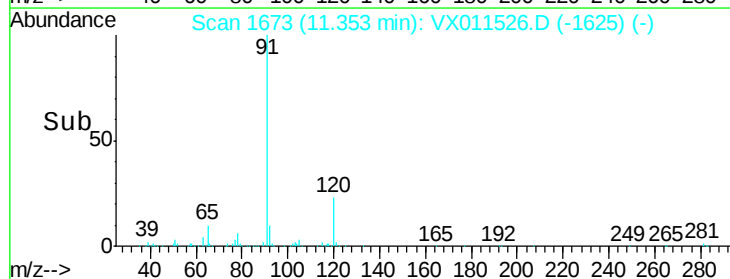
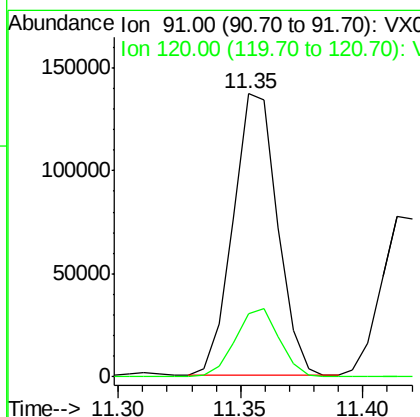
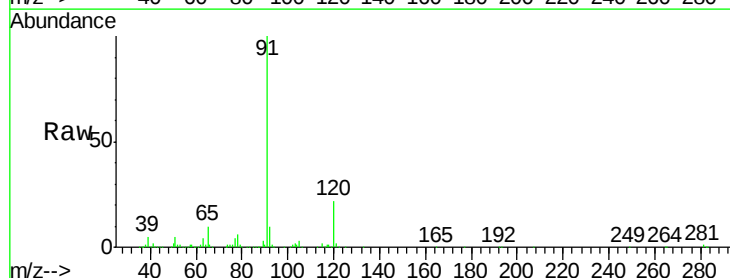
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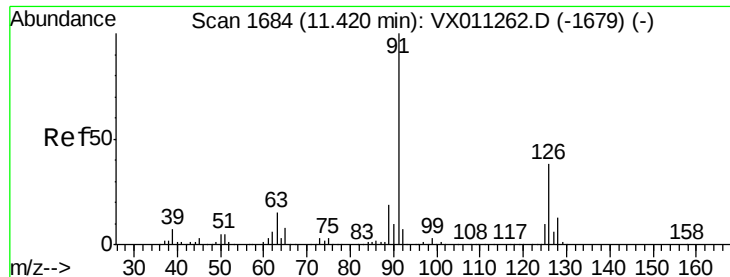
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#78
n-propylbenzene
Concen: 19.481 ug/l
RT: 11.35 min Scan# 1673
Delta R.T. -0.01 min
Lab File: VX011526.D
Acq: 13 Aug 2019 11:24

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.2	12.4	37.0





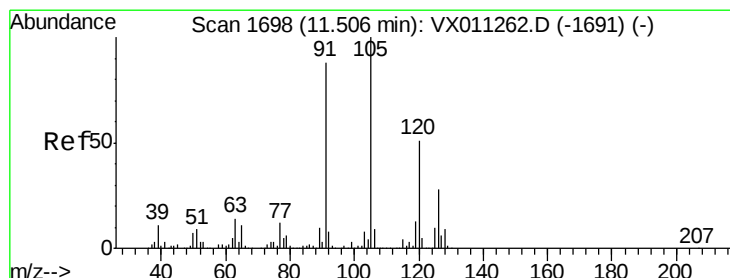
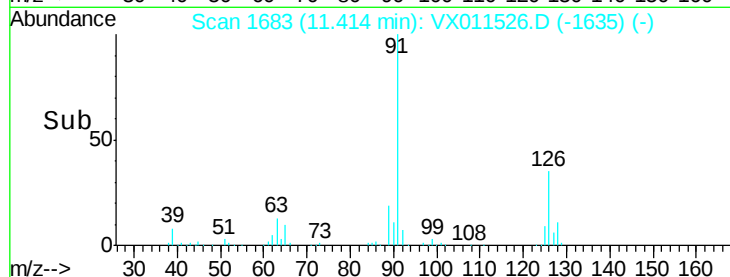
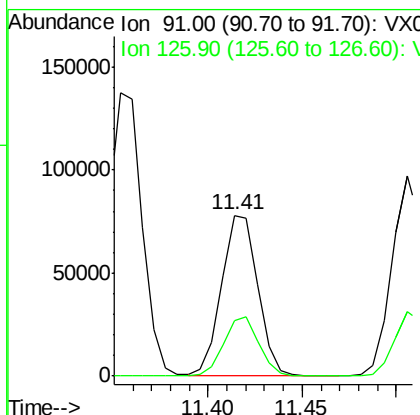
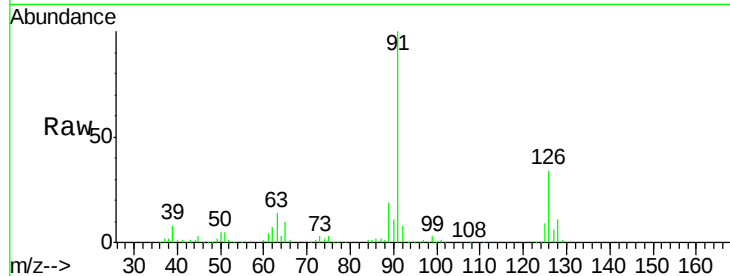
#79
2-Chlorotoluene
Concen: 19.676 ug/l
RT: 11.41 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VX011526.D
Acq: 13 Aug 2019 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tot Ion: 91 Resp: 104091
Ion Ratio Lower Upper
91 100
126 35.6 18.5 55.5

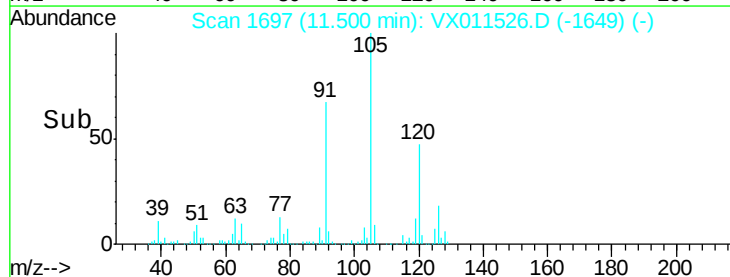
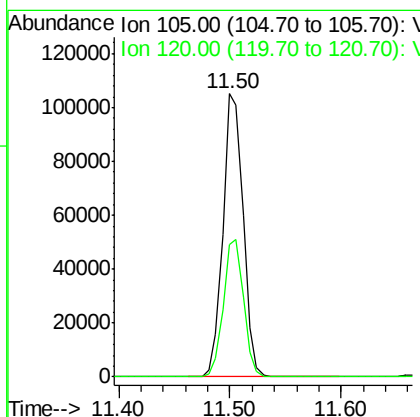
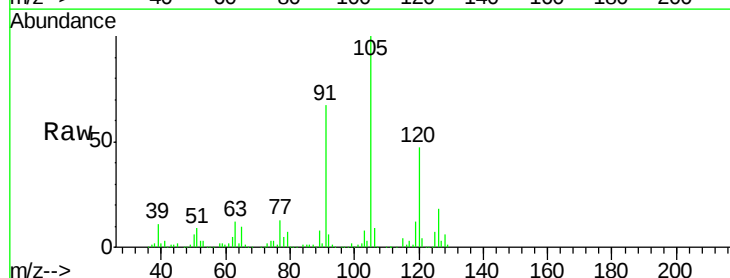
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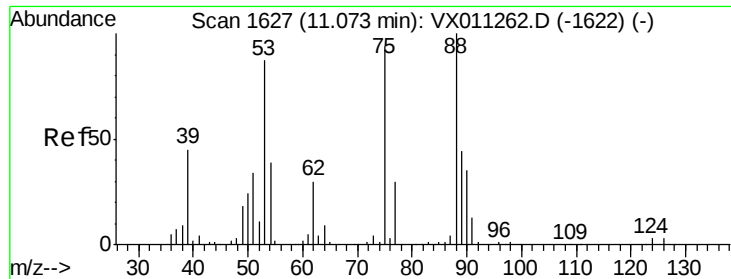
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#80
1,3,5-Trimethylbenzene
Concen: 19.790 ug/l
RT: 11.50 min Scan# 1697
Delta R.T. -0.01 min
Lab File: VX011526.D
Acq: 13 Aug 2019 11:24

Tgt Ion: 105 Resp: 132219
Ion Ratio Lower Upper
105 100
120 48.5 25.1 75.2





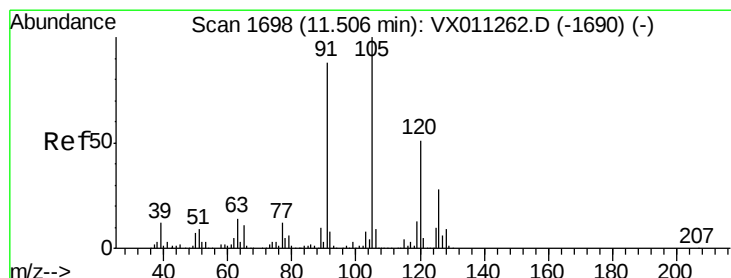
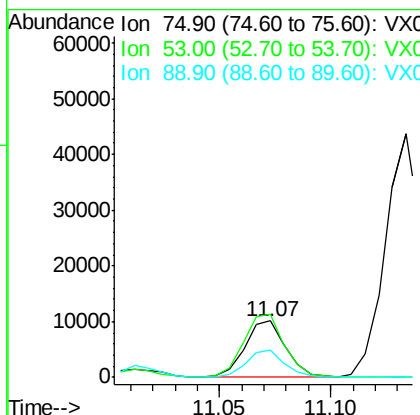
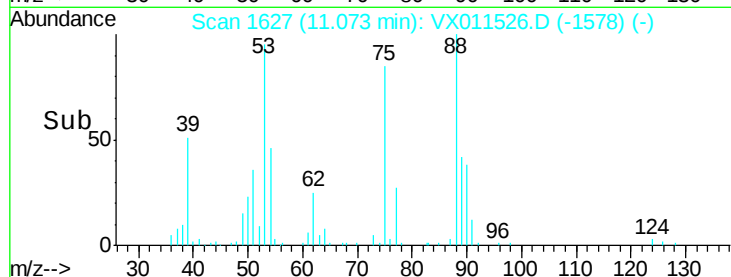
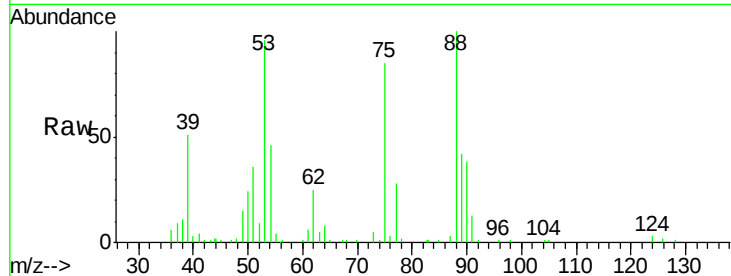
#81
trans-1,4-Dichloro-2-butene
Concen: 19.183 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX011526.D
Acq: 13 Aug 2019 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	114.3	78.2	117.4
89	47.7	37.9	56.9

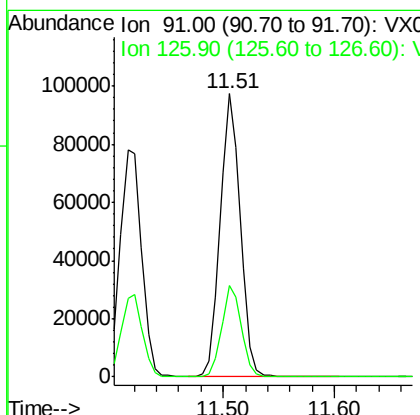
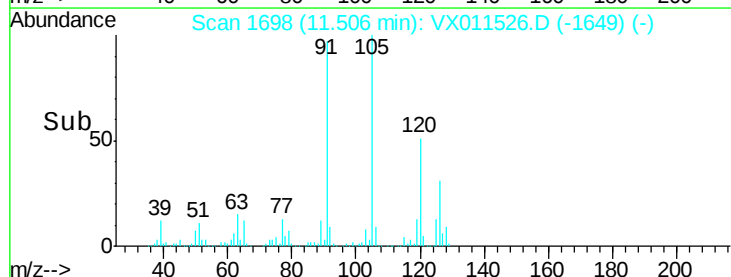
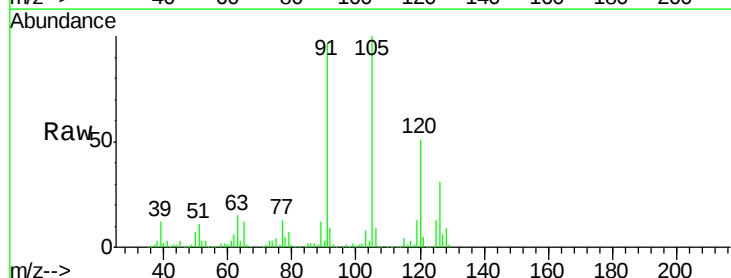
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#82
4-Chlorotoluene
Concen: 19.651 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX011526.D
Acq: 13 Aug 2019 11:24

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.7	16.4	49.2





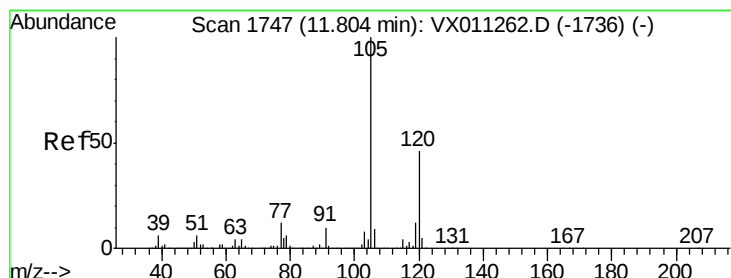
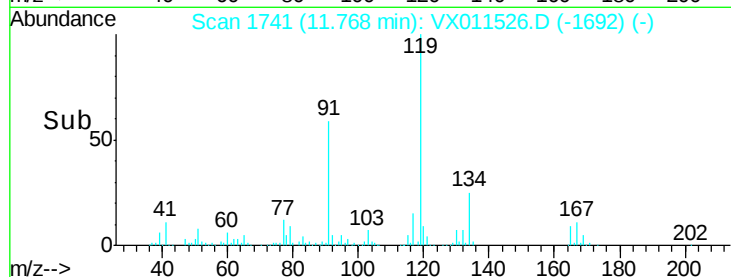
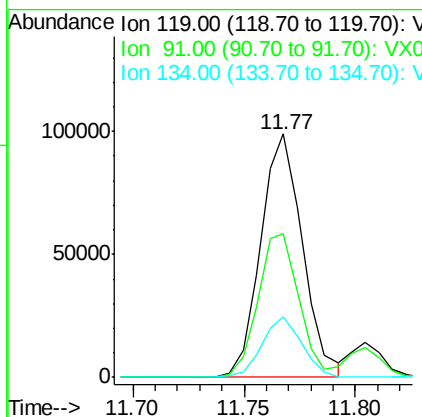
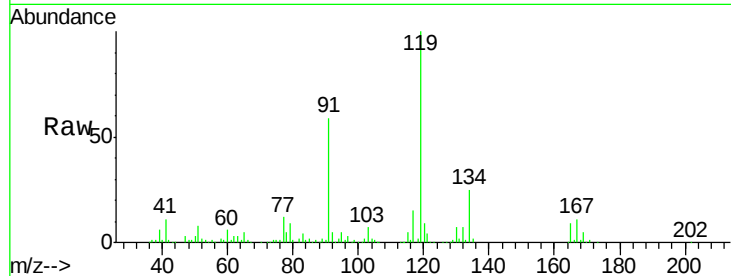
#83
tert-Butylbenzene
Concen: 19.648 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX011526.D
Acq: 13 Aug 2019 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	128749		
91	57.9	28.0	84.0	
134	23.6	11.9	35.5	

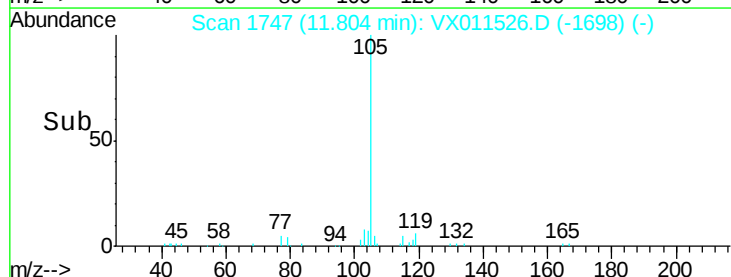
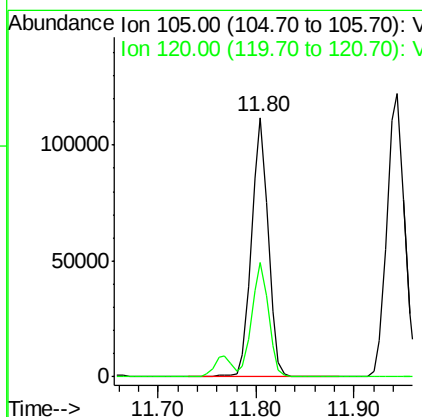
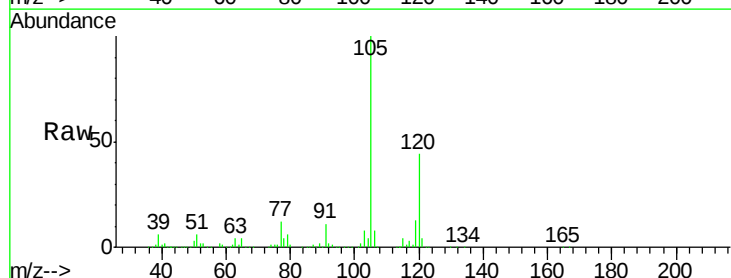
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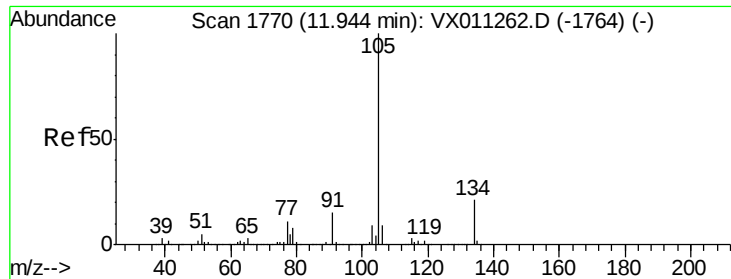
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#84
1,2,4-Trimethylbenzene
Concen: 19.985 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX011526.D
Acq: 13 Aug 2019 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	132942		
120	44.0	23.0	69.0	





#85

sec-Butylbenzene

Concen: 19.364 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011526.D

Acq: 13 Aug 2019 11:24

Instrument :

MSVOA_X

ClientSampled :

VX0813WBS01

Tot Ion:105 Resp: 152447

Ion Ratio Lower Upper

105 100

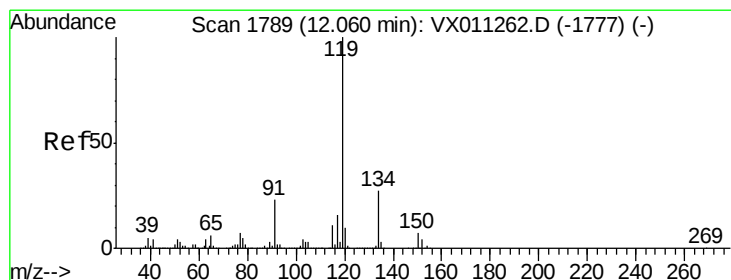
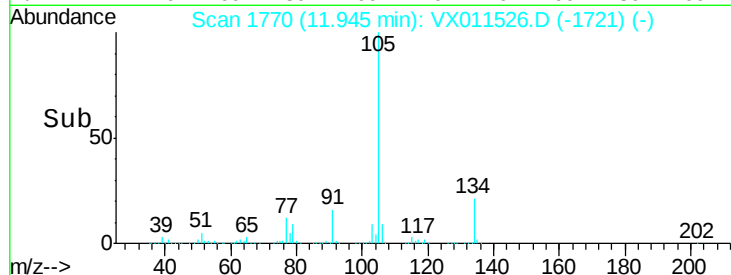
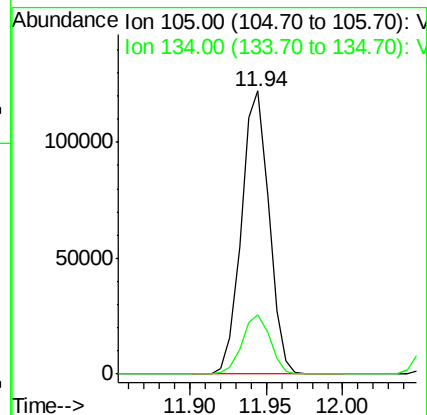
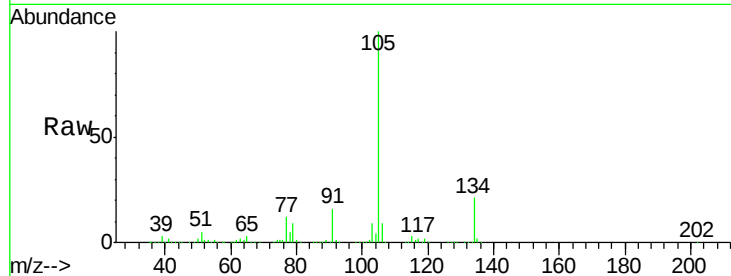
134 21.2 10.4 31.4

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#86

p-Isopropyltoluene

Concen: 19.618 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011526.D

Acq: 13 Aug 2019 11:24

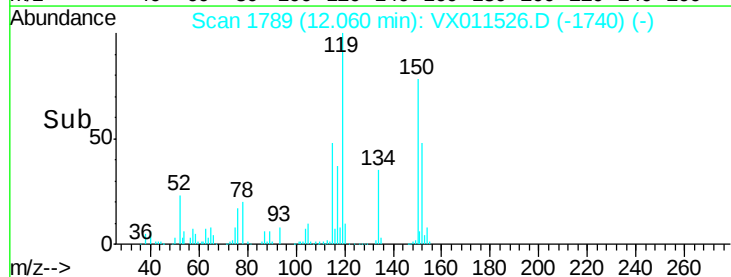
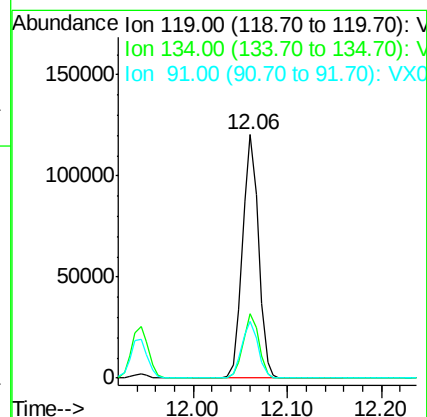
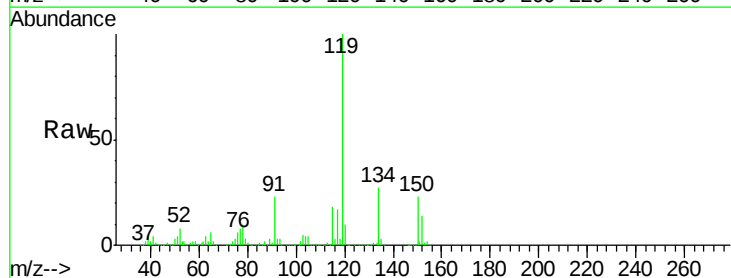
Tgt Ion:119 Resp: 142091

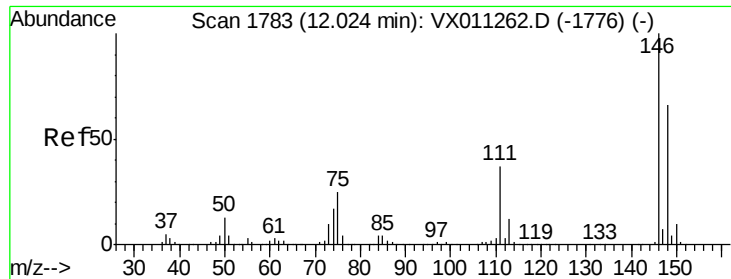
Ion Ratio Lower Upper

119 100

134 26.4 13.7 41.0

91 23.7 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 19.070 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX011526.D

Acq: 13 Aug 2019 11:24

Instrument :

MSVOA_X

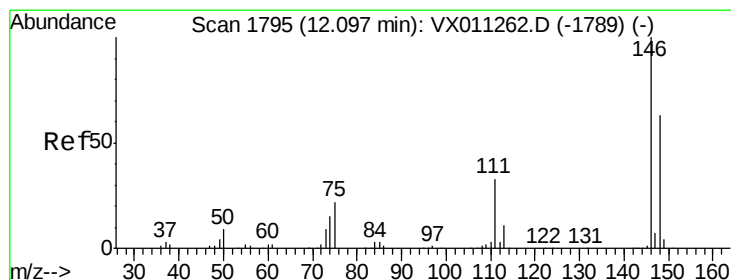
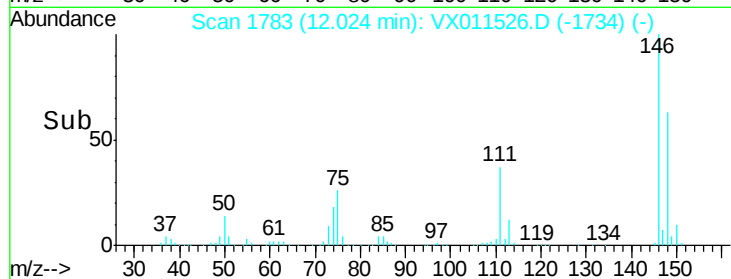
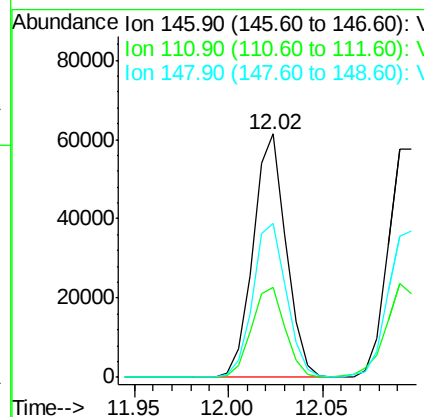
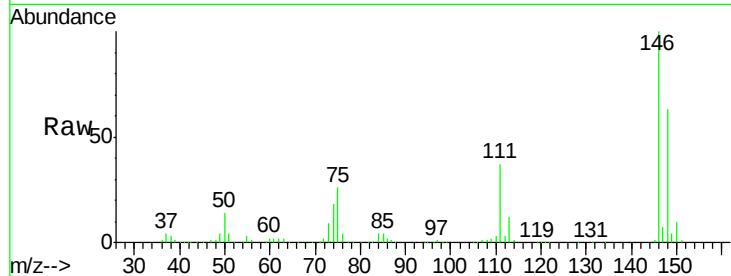
ClientSampleId :

VX0813WBS01

Tot Ion:	146	Resp:	74574
Ion Ratio	Lower	Upper	
146	100		
111	37.8	18.6	55.8
148	64.3	32.5	97.5

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#88

1,4-Dichlorobenzene

Concen: 18.557 ug/l

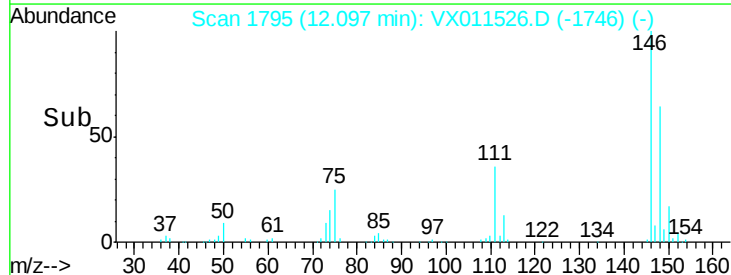
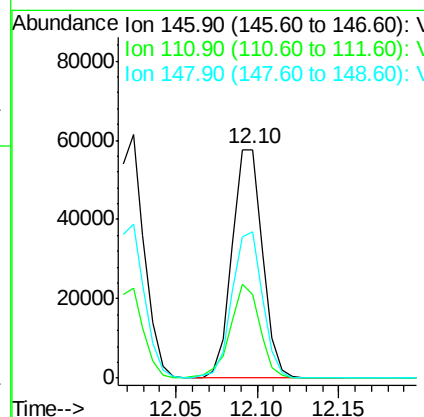
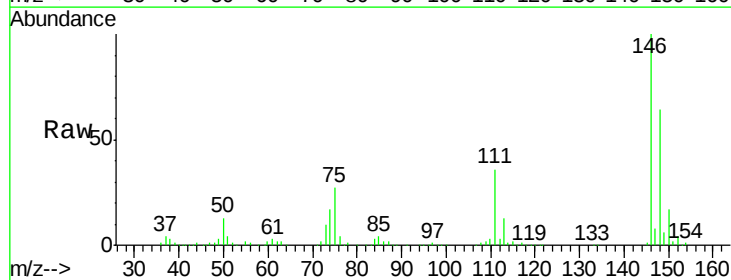
RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX011526.D

Acq: 13 Aug 2019 11:24

Tgt Ion:	146	Resp:	74830
Ion Ratio	Lower	Upper	
146	100		
111	40.0	17.8	53.4
148	64.3	31.8	95.3





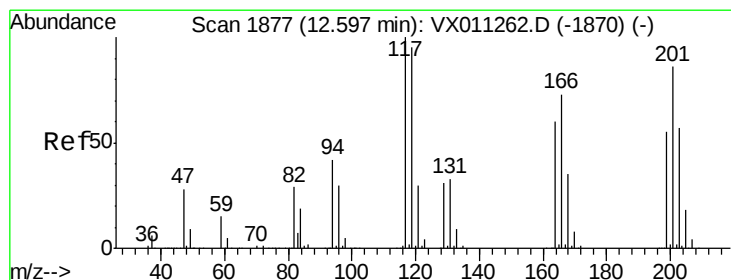
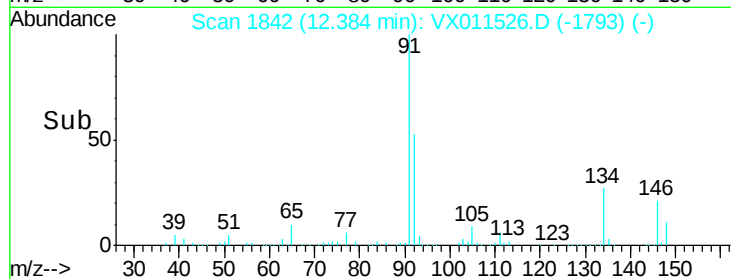
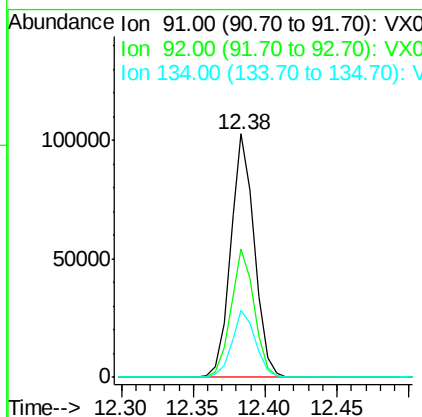
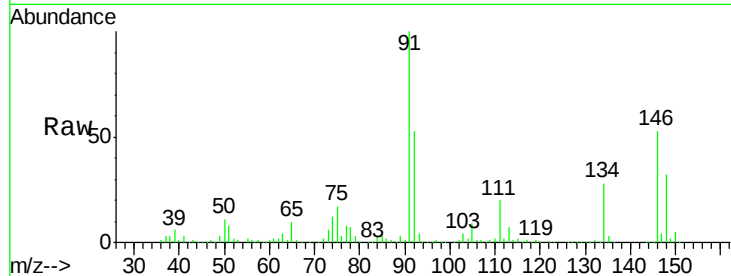
#89
n-Butylbenzene
Concen: 19.006 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011526.D
Acq: 13 Aug 2019 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	118593		
92	52.0		25.8	77.3
134	27.5		13.7	41.0

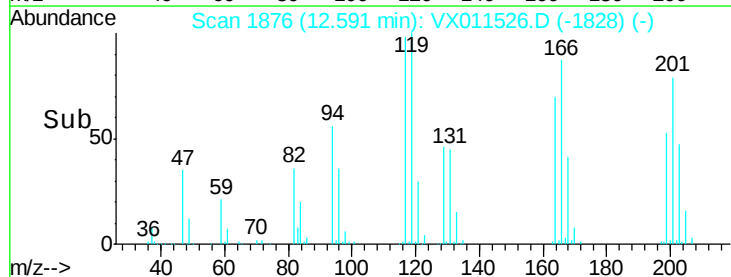
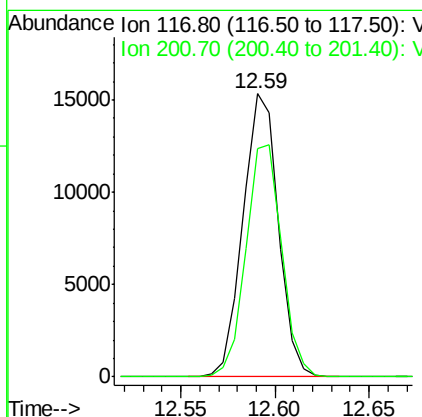
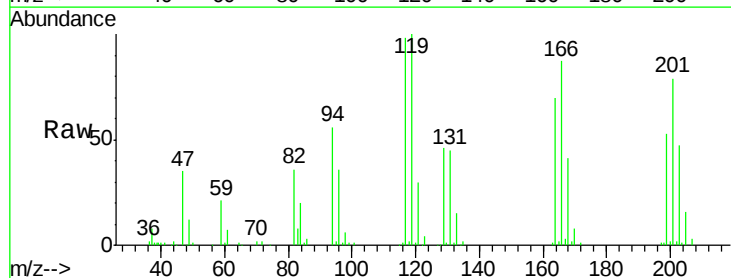
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#90
Hexachloroethane
Concen: 18.641 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX011526.D
Acq: 13 Aug 2019 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	19961		
201	82.6		41.8	125.4





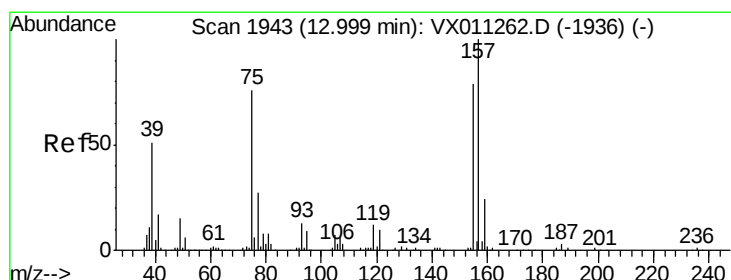
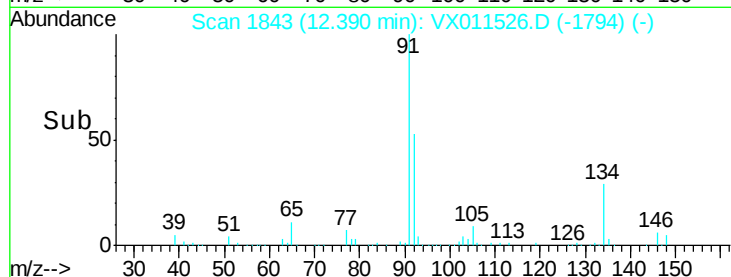
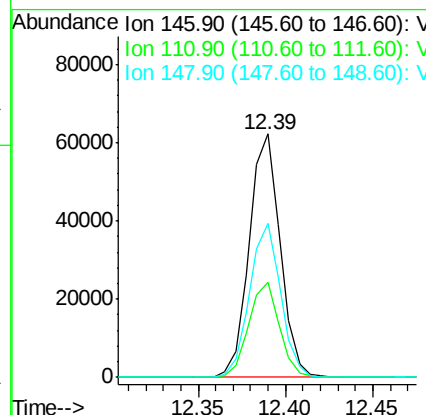
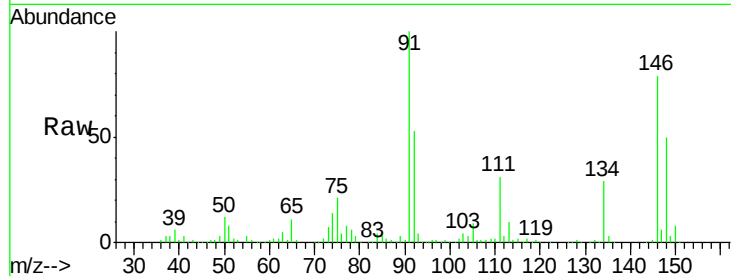
#91
 1,2-Dichlorobenzene
 Concen: 19.449 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX011526.D
 Acq: 13 Aug 2019 11:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0813WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.1	57.1
148	63.7	32.3	96.8

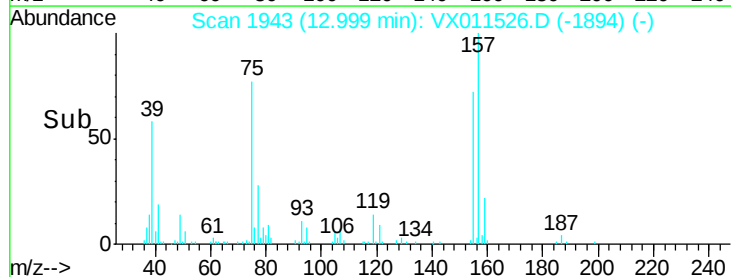
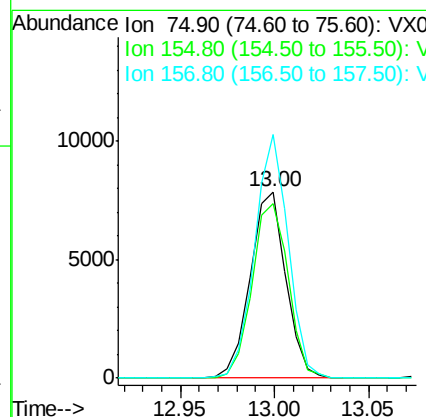
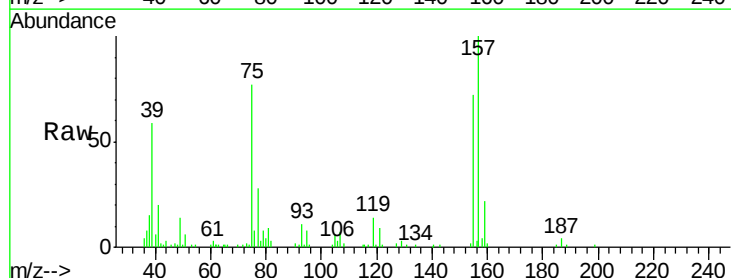
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.955 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX011526.D
 Acq: 13 Aug 2019 11:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.7	51.9	155.8
157	122.5	64.3	192.7





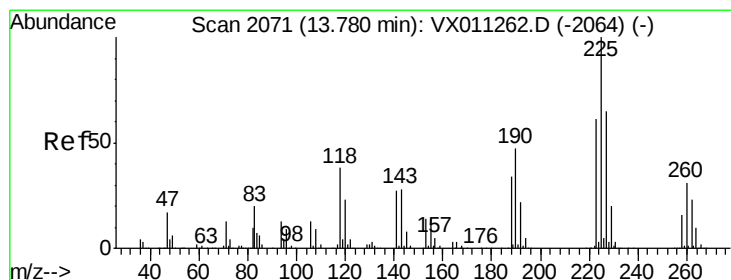
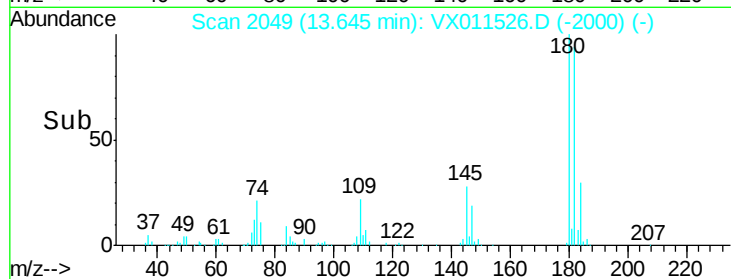
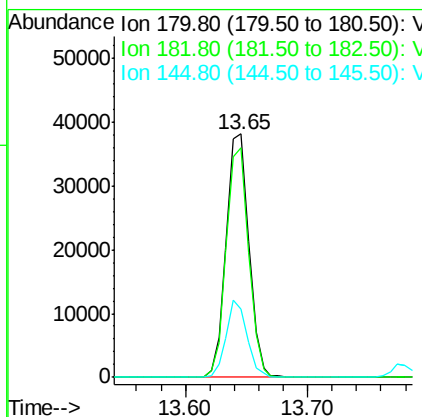
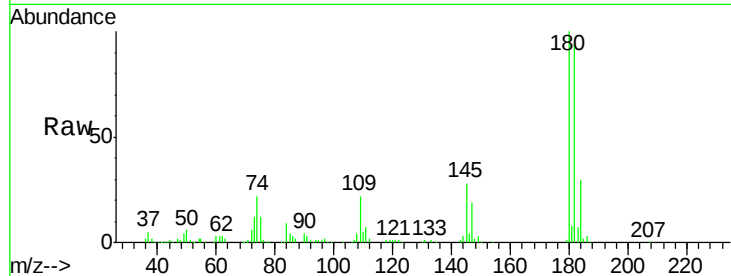
#93
 1,2,4-Trichlorobenzene
 Concen: 18.905 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX011526.D
 Acq: 13 Aug 2019 11:24

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0813WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	49261		
182	92.9		47.8	143.4
145	29.0		14.8	44.3

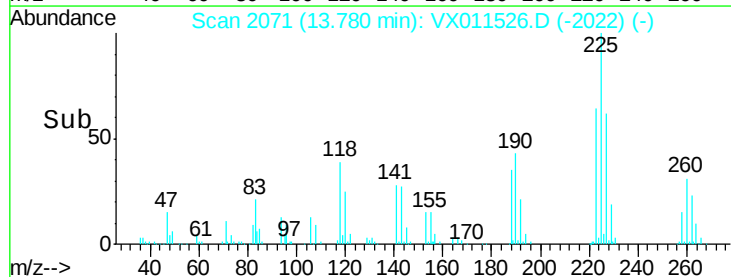
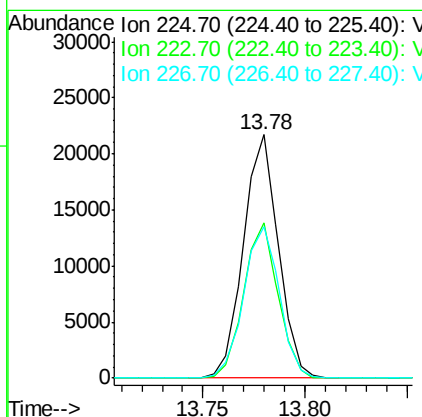
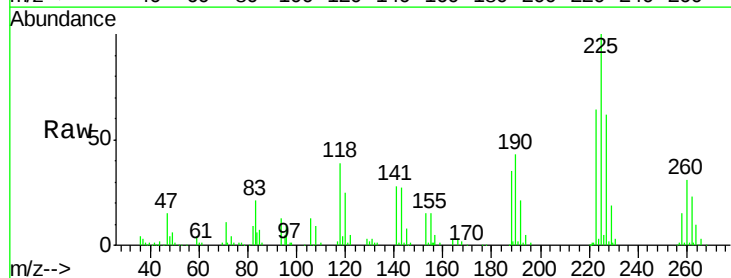
Manual Integrations
 APPROVED

MMDadoda
 8/14/2019 11:31:17 AM



#94
 Hexachlorobutadiene
 Concen: 19.486 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX011526.D
 Acq: 13 Aug 2019 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	25761		
223	62.8		31.0	93.0
227	63.8		32.2	96.6





#95

Naphthalene

Concen: 18.607 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX011526.D

Acq: 13 Aug 2019 11:24

Instrument :

MSVOA_X

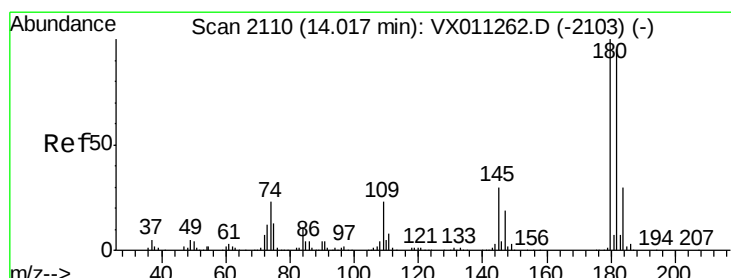
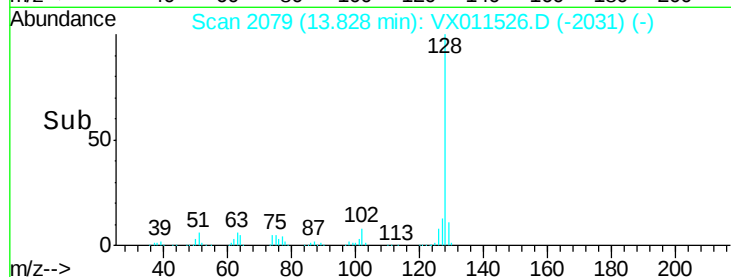
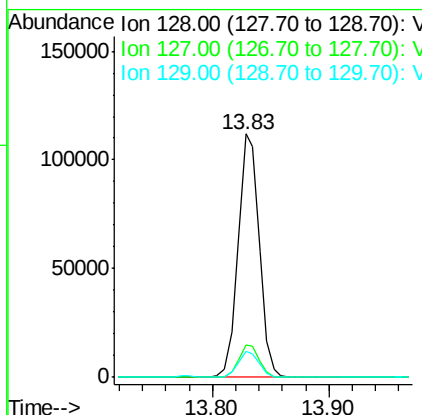
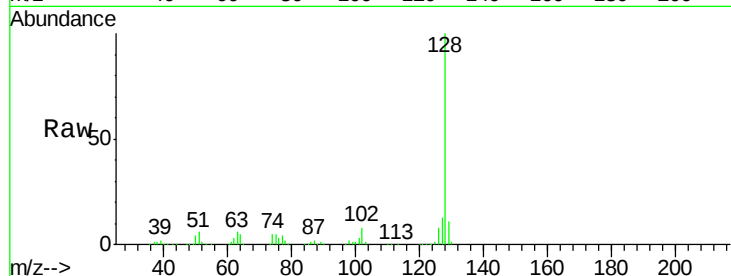
ClientSampleId :

VX0813WBS01

Tot Ion:	128	Resp:	141791
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	10.7	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
8/14/2019 11:31:17 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.583 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX011526.D

Acq: 13 Aug 2019 11:24

Tgt Ion:	180	Resp:	49229
Ion Ratio	Lower	Upper	
180	100		
182	93.5	47.4	142.3
145	31.4	15.2	45.6

