

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032319\
 Data File : VX008351.D
 Acq On : 23 Mar 2019 15:05
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 3/25/2019 11:16:55 AM

Quant Time: Mar 23 15:28:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 14:52:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	201054	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	343356	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	313624	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	154242	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	446838	147.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	295.14%	
35) Dibromofluoromethane	5.50	113	333690	145.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	290.34%	
50) Toluene-d8	8.71	98	1314537	150.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	301.68%	
62) 4-Bromofluorobenzene	11.13	95	506309	168.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	337.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	319467	131.059	ug/l	100
3) Chloromethane	1.32	50	463132	151.417	ug/l	99
4) Vinyl Chloride	1.41	62	457915	150.156	ug/l	99
5) Bromomethane	1.64	94	289916	111.603	ug/l	99
6) Chloroethane	1.70	64	272813	142.678	ug/l	98
7) Trichlorofluoromethane	1.91	101	517617	132.999	ug/l	98
8) Diethyl Ether	2.19	74	245636	122.673	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.37	101	309286	119.694	ug/l	89
10) Methyl Iodide	2.50	142	432244	131.376	ug/l	98
11) Tert butyl alcohol	3.07	59	505592	779.959	ug/l	100
12) 1,1-Dichloroethene	2.36	96	324753	133.123	ug/l	90
13) Acrolein	2.29	56	408994	827.785	ug/l	99
14) Allyl chloride	2.72	41	742019	139.728	ug/l	96
15) Acrylonitrile	3.15	53	1248089	727.928	ug/l	99
16) Acetone	2.45	43	1068927	622.410	ug/l	98
17) Carbon Disulfide	2.56	76	999070	127.001	ug/l	100
18) Methyl Acetate	2.78	43	539281	135.636	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	1194060	135.373	ug/l	97
20) Methylene Chloride	2.85	84	379491	132.513	ug/l	93
21) trans-1,2-Dichloroethene	3.16	96	346680	131.547	ug/l	92
22) Diisopropyl ether	3.86	45	1415782	136.125	ug/l	94
23) Vinyl Acetate	3.82	43	6386576	716.230	ug/l	98
24) 1,1-Dichloroethane	3.69	63	714724	133.611	ug/l	98
25) 2-Butanone	4.68	43	1822350	718.841	ug/l	97
26) 2,2-Dichloropropane	4.58	77	497734	123.516	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	402894	134.105	ug/l	90
28) Bromochloromethane	5.02	49	341482	142.165	ug/l #	79
29) Tetrahydrofuran	5.13	42	1206286	761.168	ug/l	95
30) Chloroform	5.21	83	646173	129.138	ug/l	100
31) Cyclohexane	5.57	56	677640	134.904	ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	537972	129.245	ug/l	96
36) 1,1-Dichloropropene	5.80	75	516189	129.126	ug/l	96
37) Ethyl Acetate	4.84	43	703654	148.904	ug/l	98
38) Carbon Tetrachloride	5.78	117	446371	125.320	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	627424	130.424	ug/l	92
40) Benzene	6.14	78	1541051	130.245	ug/l	100
41) Methacrylonitrile	5.05	41	399614	150.758	ug/l	95
42) 1,2-Dichloroethane	6.19	62	547329	126.276	ug/l	96
43) Isopropyl Acetate	6.45	43	1133113	149.596	ug/l	97
44) Trichloroethene	7.21	130	357786	123.671	ug/l	88
45) 1,2-Dichloropropane	7.51	63	441531	133.303	ug/l	99
46) Dibromomethane	7.66	93	259140	129.218	ug/l #	85
47) Bromodichloromethane	7.90	83	522434	136.694	ug/l	99
48) Methyl methacrylate	7.77	41	573683	142.442	ug/l	94
49) 1,4-Dioxane	7.74	88	211308	2973.174	ug/l	91
51) 4-Methyl-2-Pentanone	8.65	43	3649674	745.309	ug/l	99
52) Toluene	8.79	92	922368	131.401	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	618004	144.488	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	667974	140.826	ug/l	92
55) 1,1,2-Trichloroethane	9.21	97	379084	133.665	ug/l	97
56) Ethyl methacrylate	9.18	69	729182	160.731	ug/l	92
57) 1,3-Dichloropropane	9.37	76	679389	135.416	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	1907343	820.823	ug/l	93
59) 2-Hexanone	9.49	43	2846123	754.942	ug/l	97
60) Dibromochloromethane	9.59	129	390745	143.360	ug/l	99
61) 1,2-Dibromoethane	9.67	107	398140	134.446	ug/l	98
64) Tetrachloroethene	9.34	164	290861	102.797	ug/l	96
65) Chlorobenzene	10.14	112	955443	123.810	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	348096	129.374	ug/l	98
67) Ethyl Benzene	10.25	91	1805266	132.750	ug/l	97
68) m/p-Xylenes	10.36	106	1322399	264.722	ug/l	94
69) o-Xylene	10.70	106	646601	133.208	ug/l	94
70) Styrene	10.71	104	1157010	146.667	ug/l	97
71) Bromoform	10.85	173	297706	145.459	ug/l #	100
73) Isopropylbenzene	11.02	105	1694821	123.274	ug/l	98
74) N-amyl acetate	10.90	43	1074707	149.199	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.27	83	669928	135.891	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	541644m	124.854	ug/l	
77) Bromobenzene	11.26	156	407251	122.514	ug/l	79
78) n-propylbenzene	11.36	91	2040647	127.794	ug/l	95
79) 2-Chlorotoluene	11.42	91	1194723	124.655	ug/l	94
80) 1,3,5-Trimethylbenzene	11.51	105	1475052	129.864	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	245089	161.595	ug/l	98
82) 4-Chlorotoluene	11.51	91	1434578	128.629	ug/l	95
83) tert-Butylbenzene	11.77	119	1428716	131.749	ug/l	95
84) 1,2,4-Trimethylbenzene	11.80	105	1488336	129.253	ug/l	98
85) sec-Butylbenzene	11.94	105	1686132	125.557	ug/l	96
86) p-Isopropyltoluene	12.06	119	1539173	132.409	ug/l	96
87) 1,3-Dichlorobenzene	12.02	146	748031	125.917	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	751387	122.279	ug/l	97
89) n-Butylbenzene	12.39	91	1527055	139.964	ug/l	98
90) Hexachloroethane	12.60	117	268266	135.505	ug/l	81
91) 1,2-Dichlorobenzene	12.39	146	749752	125.169	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	154873	141.440	ug/l	78

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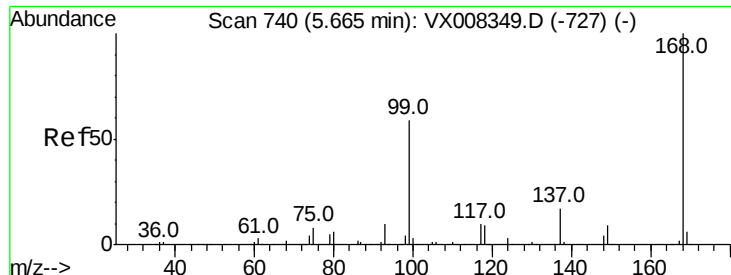
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	529674	134.248	ug/l	98
94) Hexachlorobutadiene	13.78	225	244928	127.285	ug/l	99
95) Naphthalene	13.83	128	1785311	143.367	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	516687	133.089	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX008351.D

Acq: 23 Mar 2019 15:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 201054

Ion Ratio Lower Upper

168 100

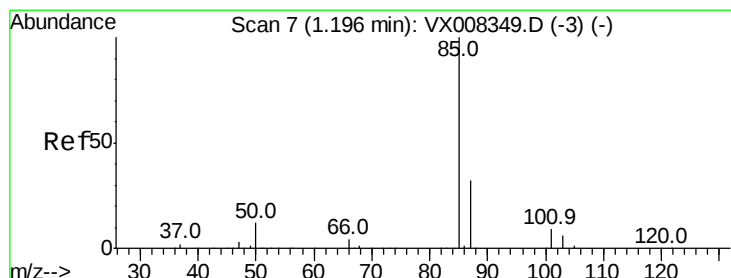
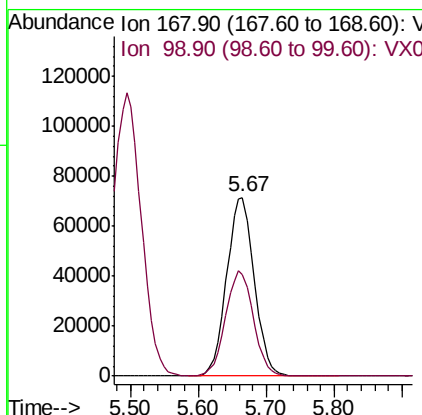
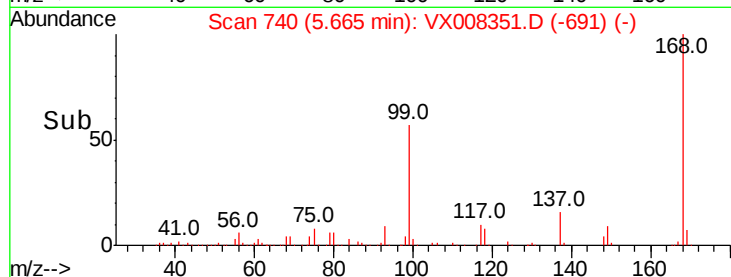
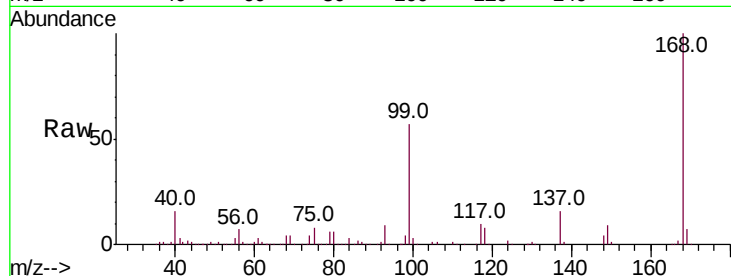
99 56.5 37.6 56.4#

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#2

Dichlorodifluoromethane

Concen: 131.059 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX008351.D

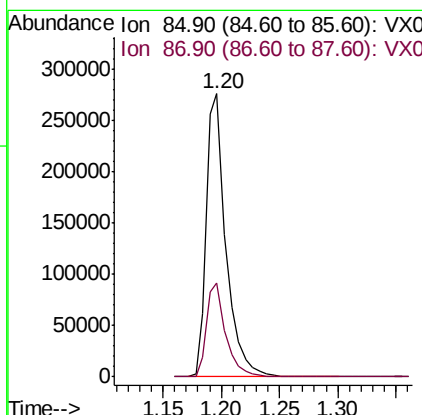
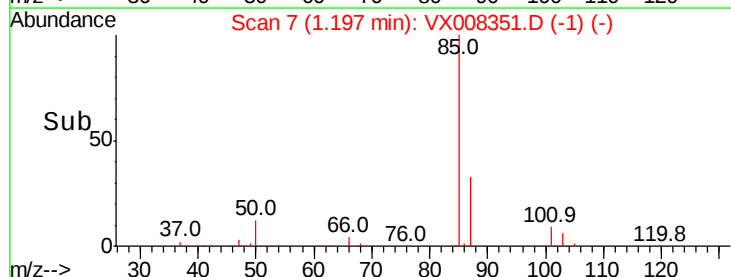
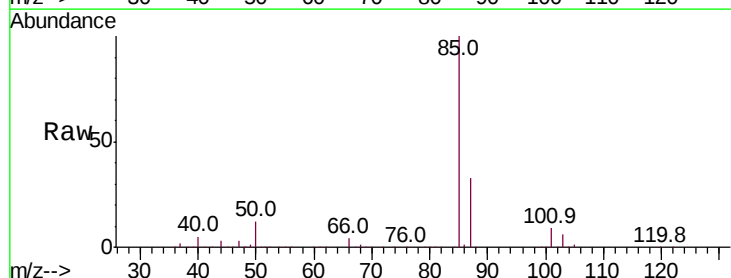
Acq: 23 Mar 2019 15:05

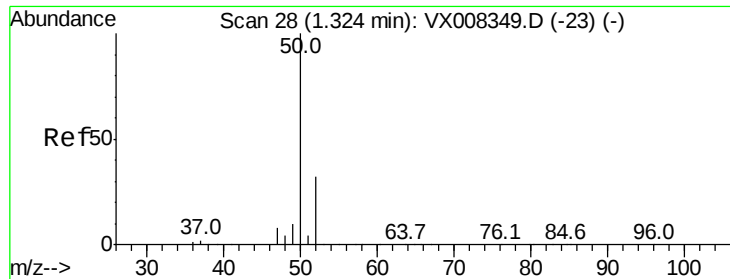
Tgt Ion: 85 Resp: 319467

Ion Ratio Lower Upper

85 100

87 33.0 16.4 49.1





#3

Chloromethane

Concen: 151.417 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008351.D

Acq: 23 Mar 2019 15:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 463132

Ion Ratio Lower Upper

50 100

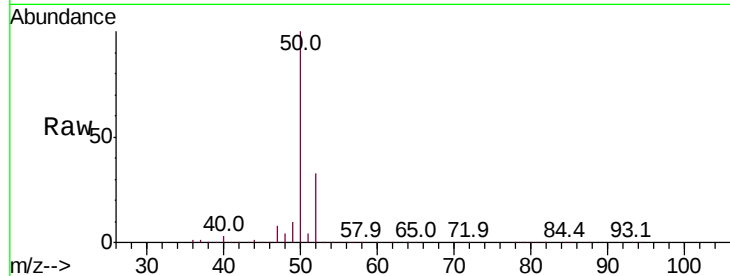
52 32.7 26.5 39.7

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

400000

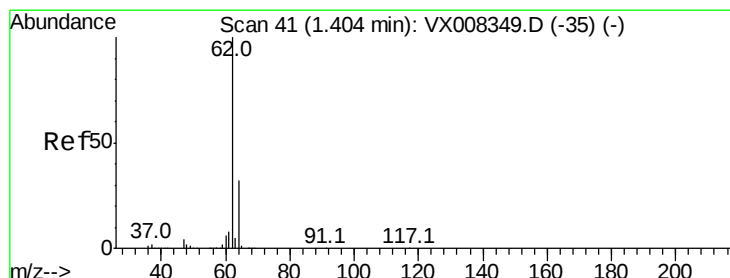
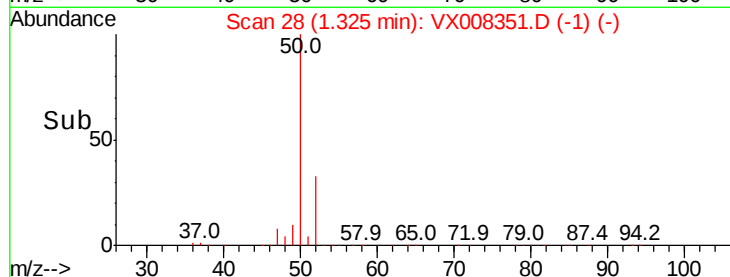
300000

200000

100000

0

Time-->



#4

Vinyl Chloride

Concen: 150.156 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX008351.D

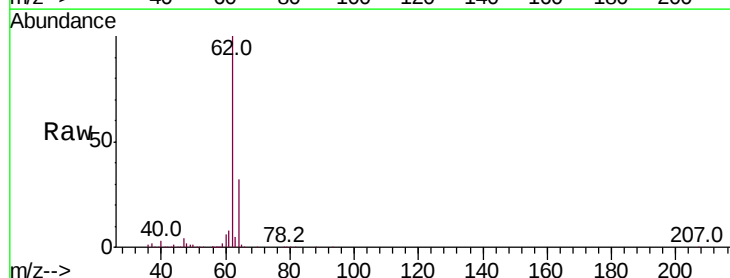
Acq: 23 Mar 2019 15:05

Tgt Ion: 62 Resp: 457915

Ion Ratio Lower Upper

62 100

64 32.2 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

400000

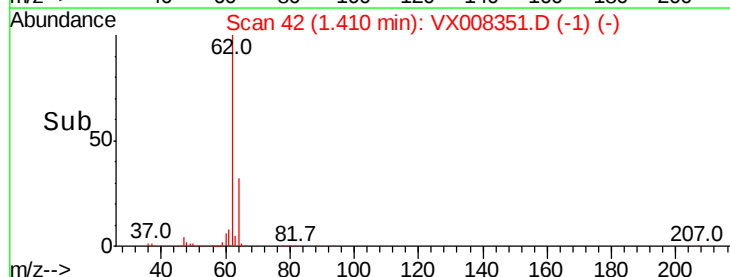
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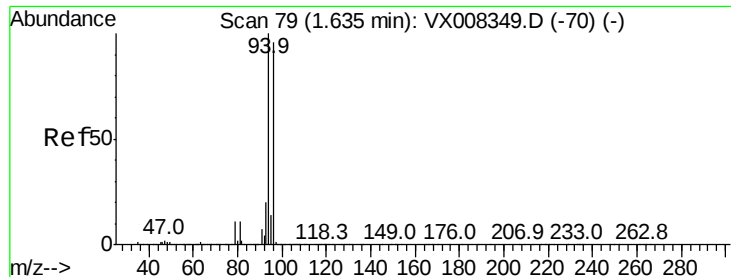
200000

100000

0

Time-->





#5

Bromomethane

Concen: 111.603 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008351.D

Acq: 23 Mar 2019 15:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 289916

Ion Ratio Lower Upper

94 100

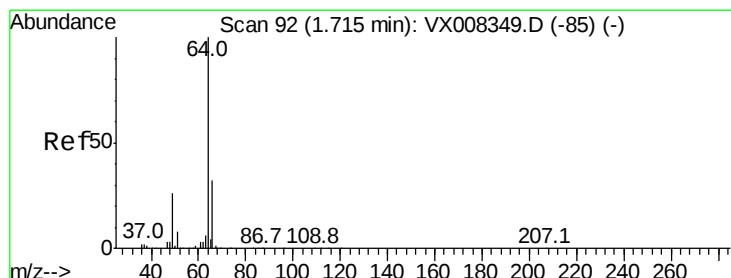
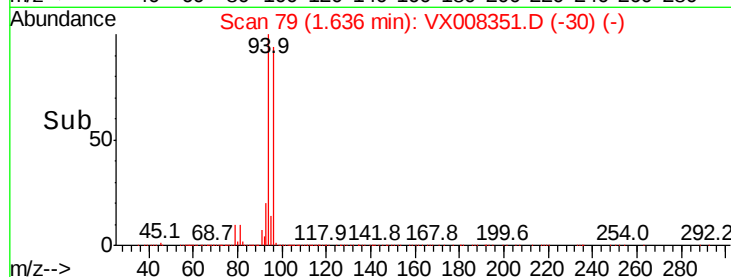
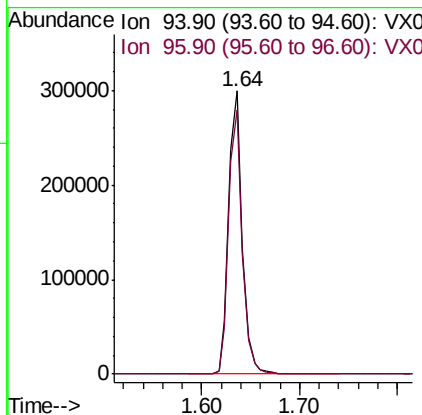
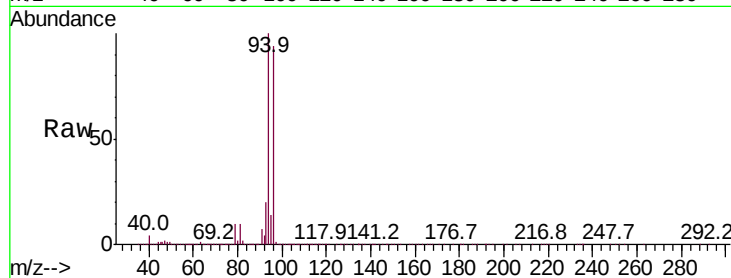
96 93.5 75.5 113.3

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#6

Chloroethane

Concen: 142.678 ug/l

RT: 1.70 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX008351.D

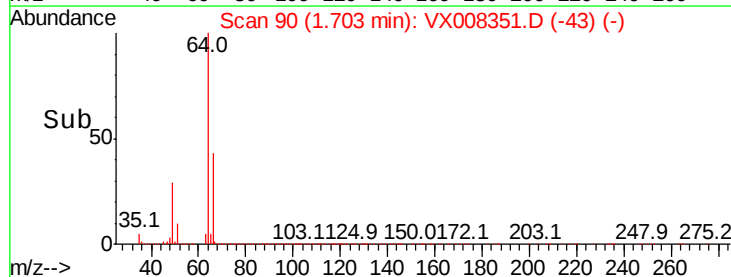
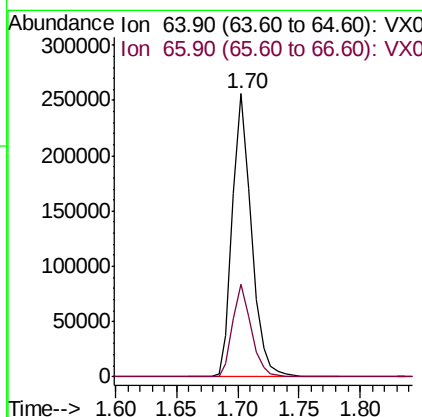
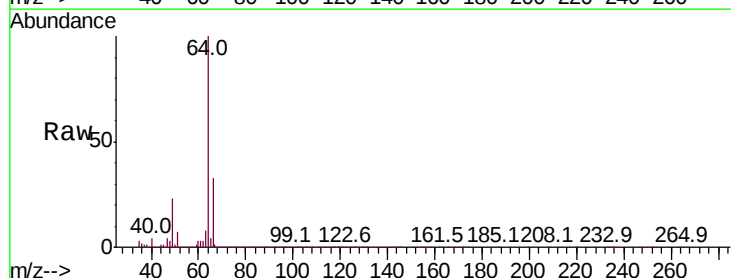
Acq: 23 Mar 2019 15:05

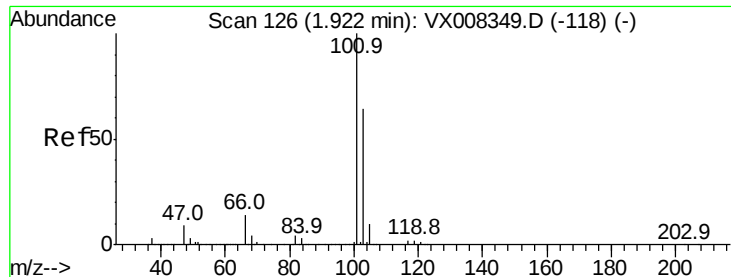
Tgt Ion: 64 Resp: 272813

Ion Ratio Lower Upper

64 100

66 32.8 25.2 37.8





#7

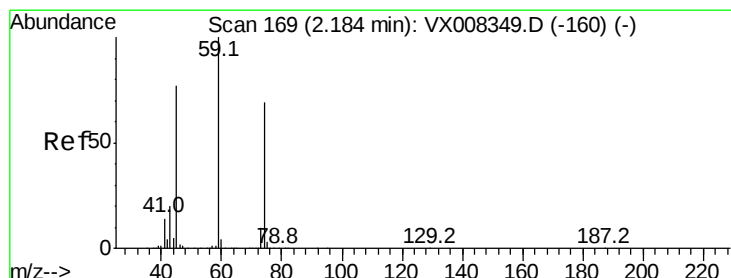
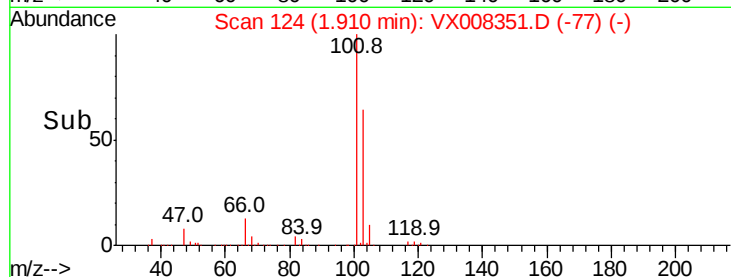
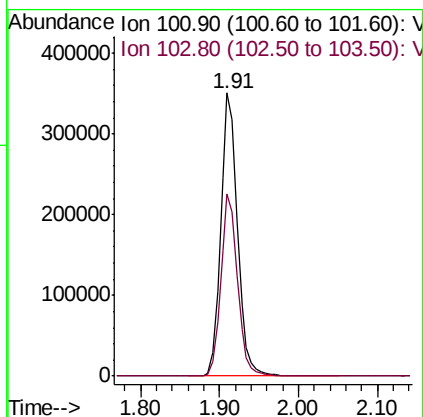
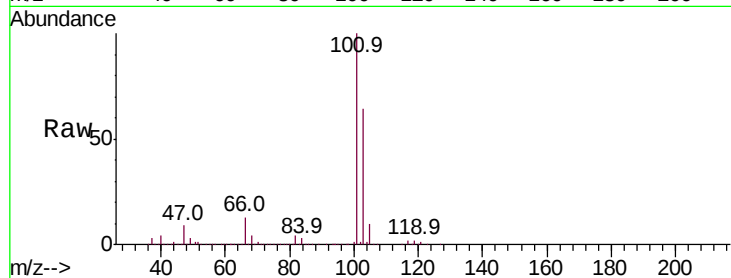
Trichlorofluoromethane
Concen: 132.999 ug/l
RT: 1.91 min Scan# 124
Delta R.T. -0.01 min
Lab File: VX008351.D
Acq: 23 Mar 2019 15:05

Instrument :
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ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	50.4	75.6

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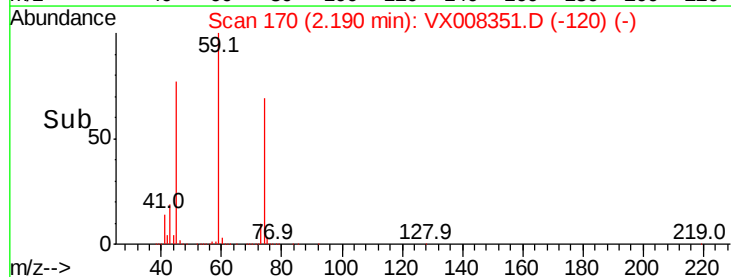
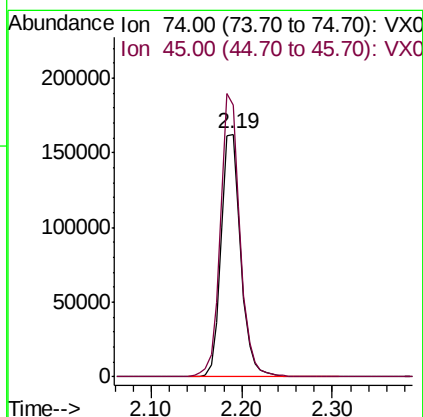
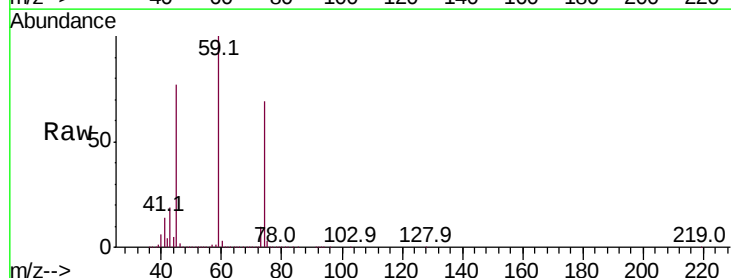
MMDadoda
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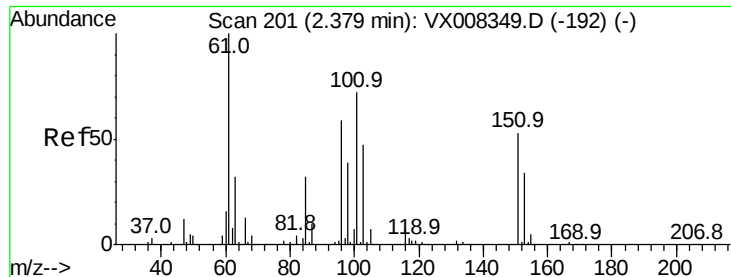


#8

Diethyl Ether
Concen: 122.673 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX008351.D
Acq: 23 Mar 2019 15:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	116.3	52.1	156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 119.694 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.01 min

Lab File: VX008351.D

Acq: 23 Mar 2019 15:05

Instrument :

MSVOA_X

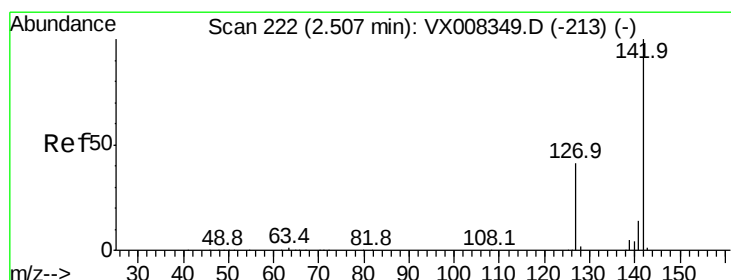
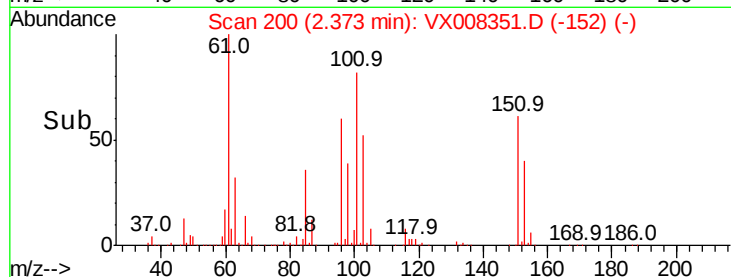
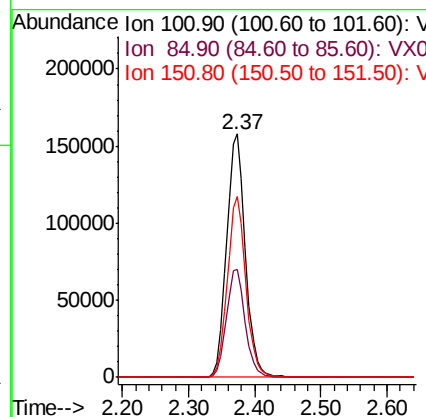
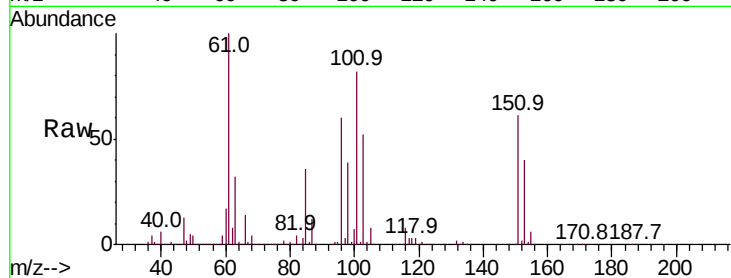
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	309286
Ion Ratio	Lower	Upper	
101	100		
85	44.4	33.8	50.6
151	73.5	69.1	103.7

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#10

Methyl Iodide

Concen: 131.376 ug/l

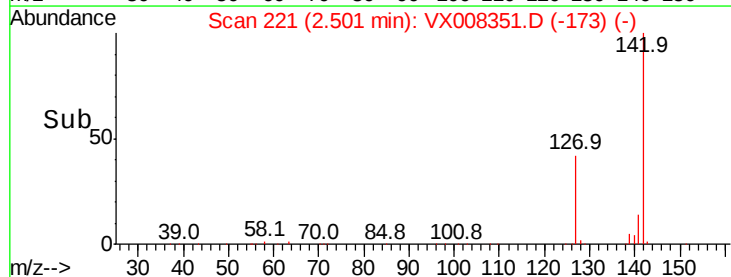
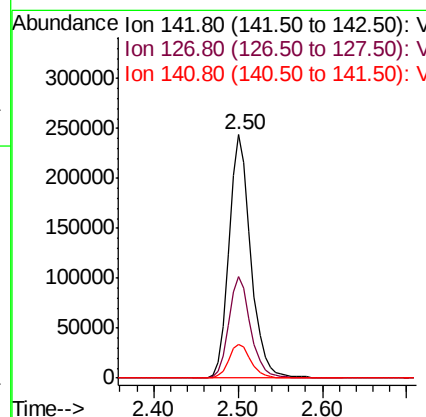
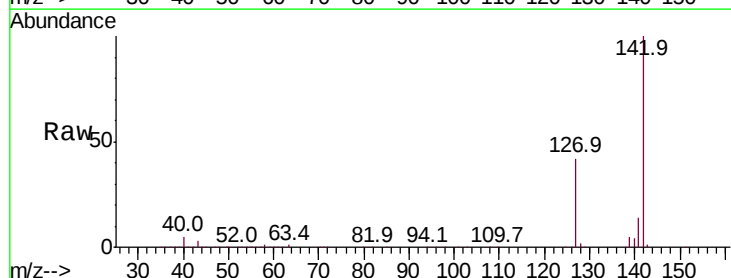
RT: 2.50 min Scan# 221

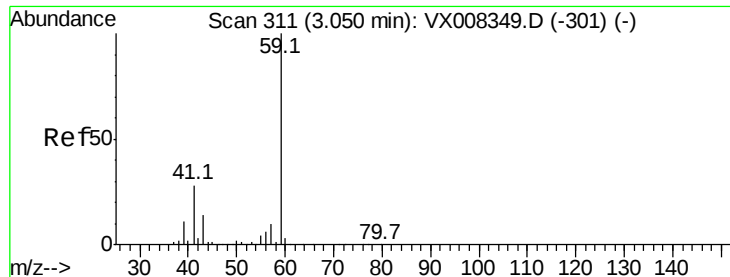
Delta R.T. -0.01 min

Lab File: VX008351.D

Acq: 23 Mar 2019 15:05

Tgt Ion:	142	Resp:	432244
Ion Ratio	Lower	Upper	
142	100		
127	41.8	32.1	48.1
141	14.2	11.4	17.2





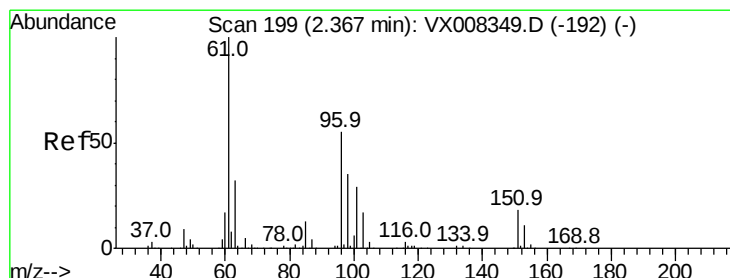
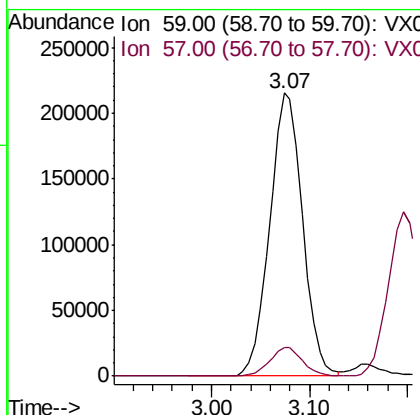
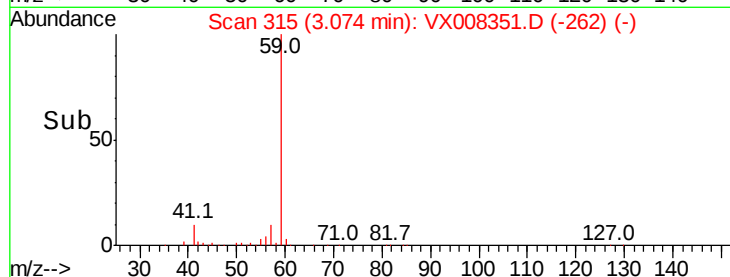
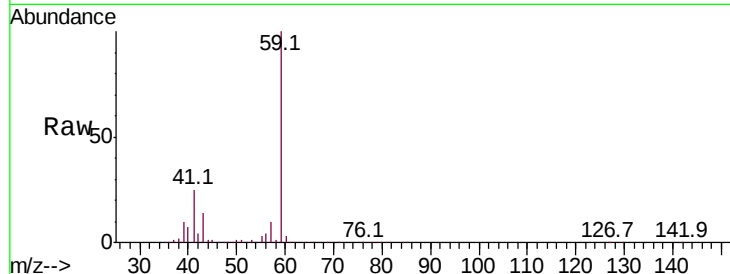
#11
Tert butyl alcohol
Concen: 779.959 ug/l
RT: 3.07 min Scan# 315
Delta R.T. 0.02 min
Lab File: VX008351.D
Acq: 23 Mar 2019 15:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 59 Resp: 505592
Ion Ratio Lower Upper
59 100
57 10.2 8.2 12.2

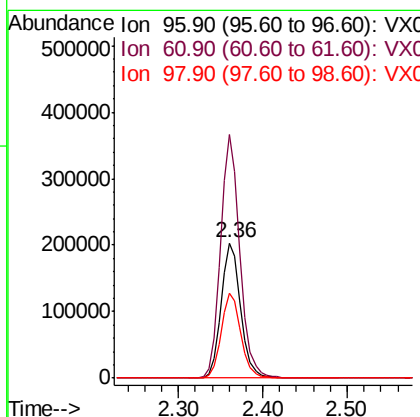
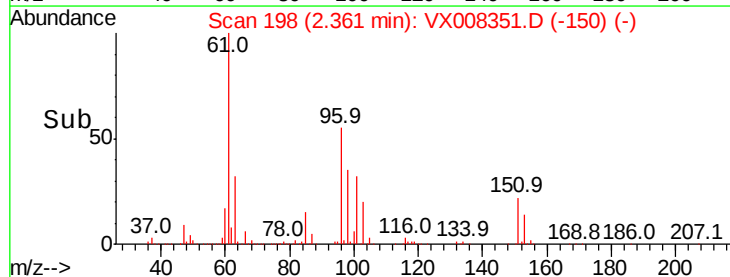
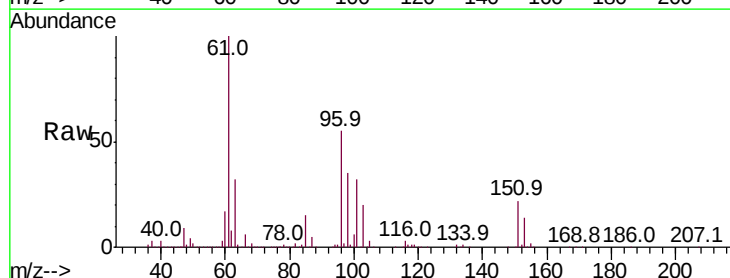
Manual Integrations
APPROVED

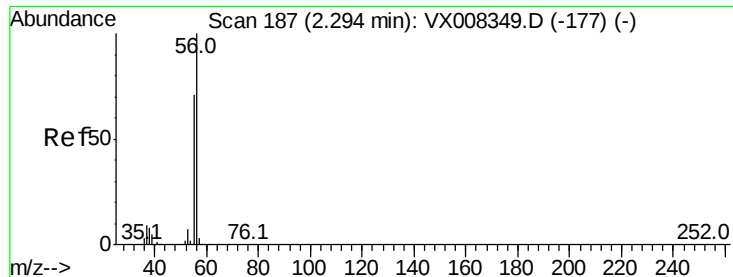
MMDadoda
3/25/2019 11:16:55 AM



#12
1,1-Dichloroethene
Concen: 133.123 ug/l
RT: 2.36 min Scan# 198
Delta R.T. -0.01 min
Lab File: VX008351.D
Acq: 23 Mar 2019 15:05

Tgt Ion: 96 Resp: 324753
Ion Ratio Lower Upper
96 100
61 180.3 129.8 194.6
98 63.2 51.0 76.6





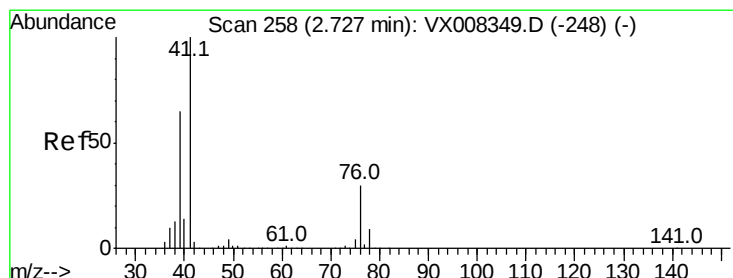
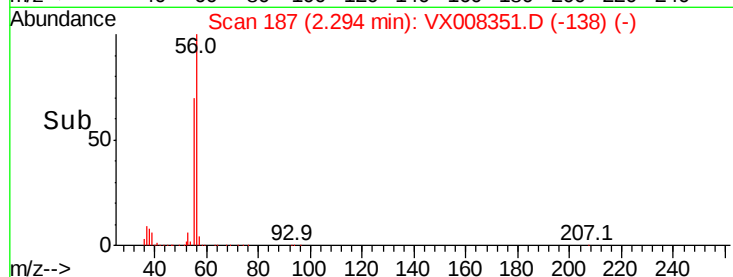
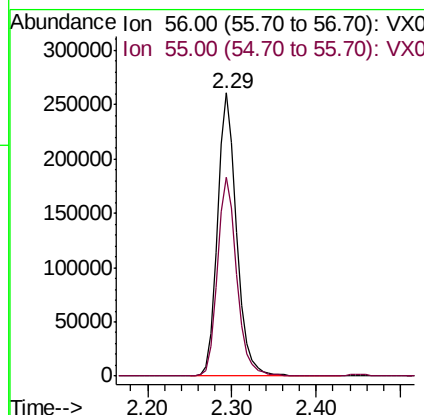
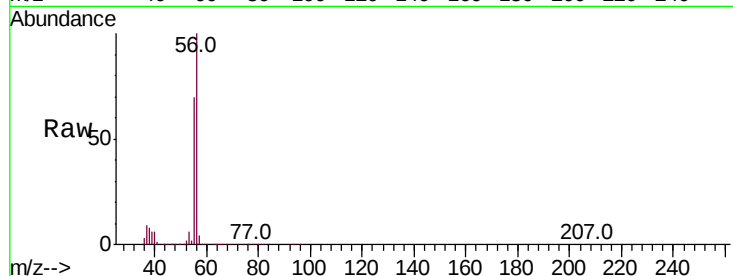
#13
Acrolein
Concen: 827.785 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX008351.D
Acq: 23 Mar 2019 15:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	56	Resp	408994
Ion Ratio	100	Lower	Upper
55	71.1	57.8	86.6

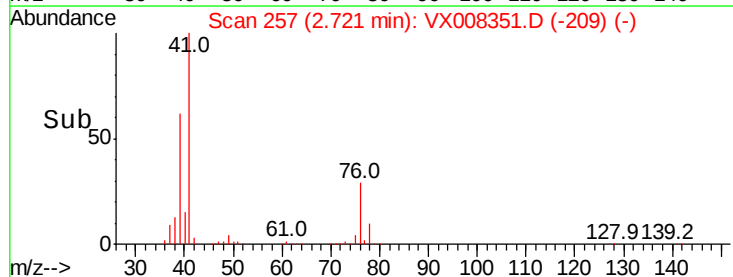
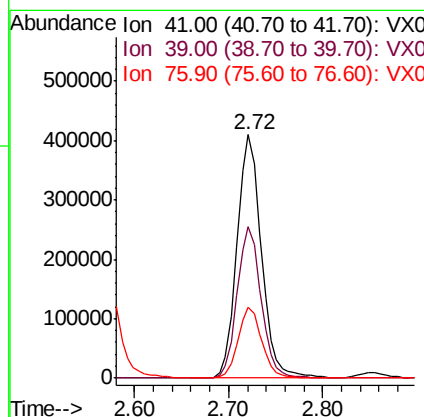
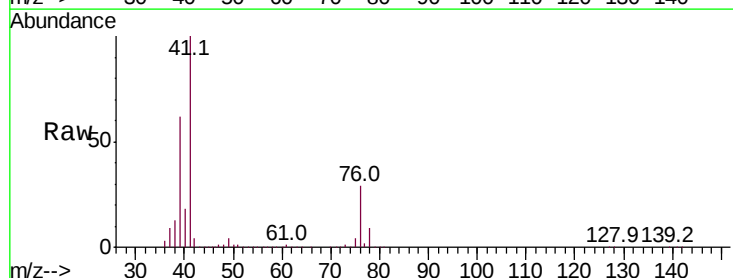
Manual Integrations
APPROVED

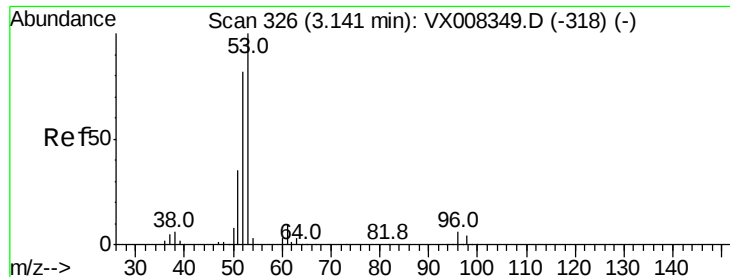
MMDadoda
3/25/2019 11:16:55 AM



#14
Allyl chloride
Concen: 139.728 ug/l
RT: 2.72 min Scan# 257
Delta R.T. -0.01 min
Lab File: VX008351.D
Acq: 23 Mar 2019 15:05

Tgt Ion	41	Resp	742019
Ion Ratio	100	Lower	Upper
39	60.8	46.1	69.1
76	28.2	24.0	36.0





#15

Acrylonitrile

Concen: 727.928 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX008351.D

Acq: 23 Mar 2019 15:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 53 Resp: 1248089

Ion Ratio Lower Upper

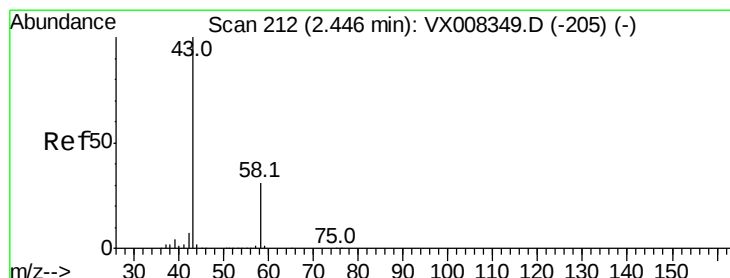
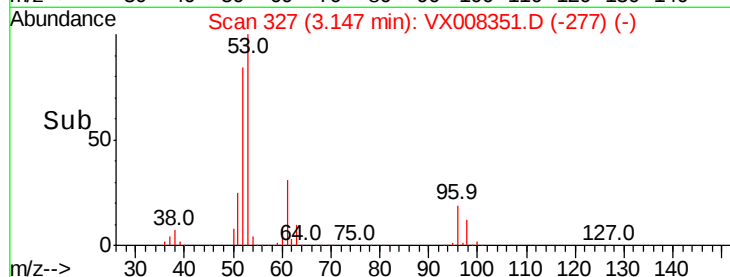
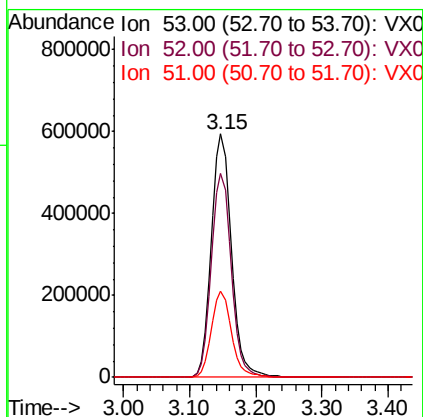
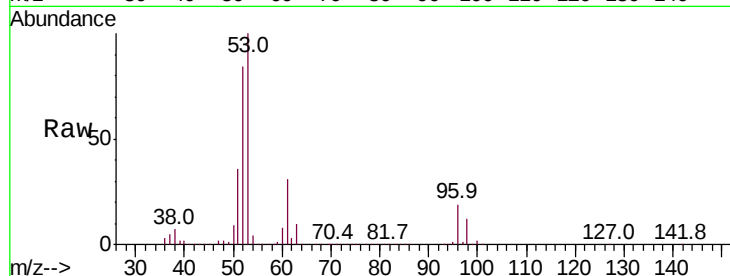
53 100

52 83.6 66.0 99.0

51 35.7 28.0 42.0

Manual Integrations
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#16

Acetone

Concen: 622.410 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX008351.D

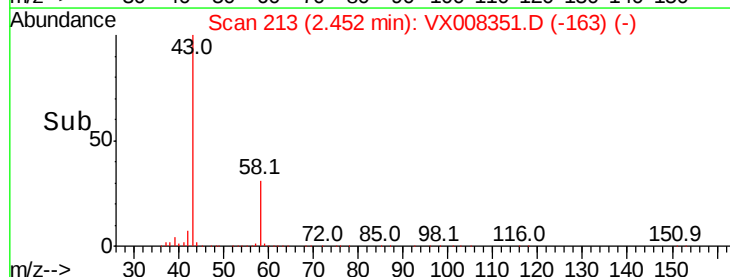
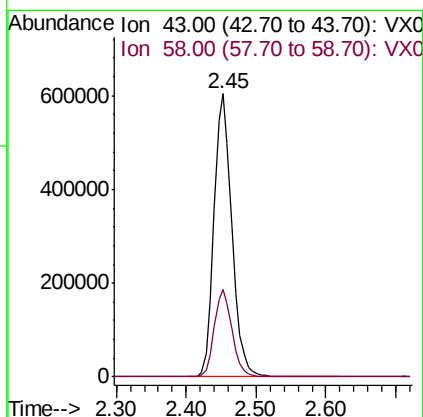
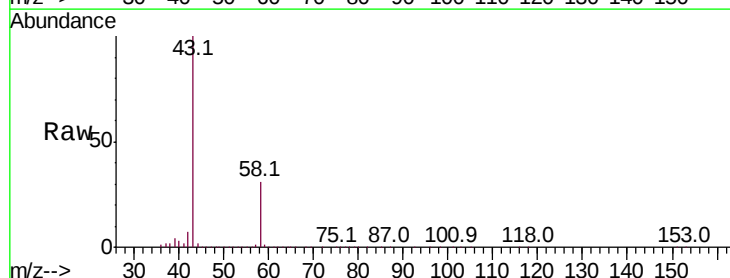
Acq: 23 Mar 2019 15:05

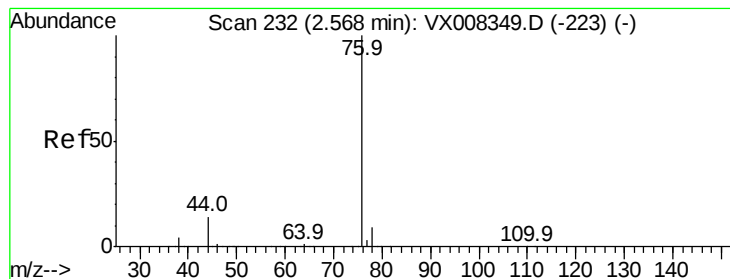
Tgt Ion: 43 Resp: 1068927

Ion Ratio Lower Upper

43 100

58 30.8 25.5 38.3





#17

Carbon Disulfide

Concen: 127.001 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX008351.D

Acq: 23 Mar 2019 15:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 999070

Ion Ratio Lower Upper

76 100

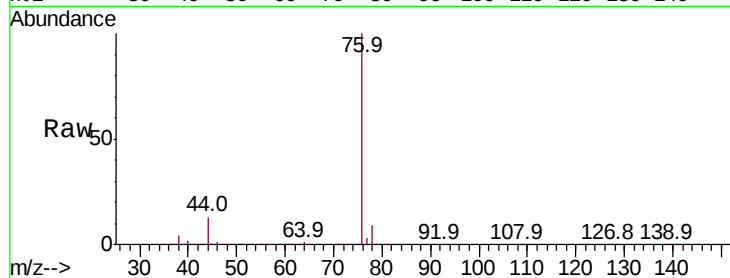
78 9.2 7.2 10.8

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

600000

500000

400000

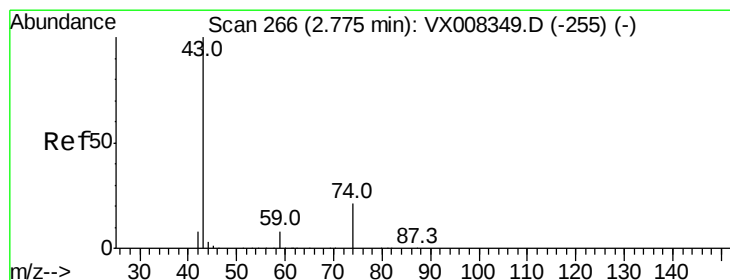
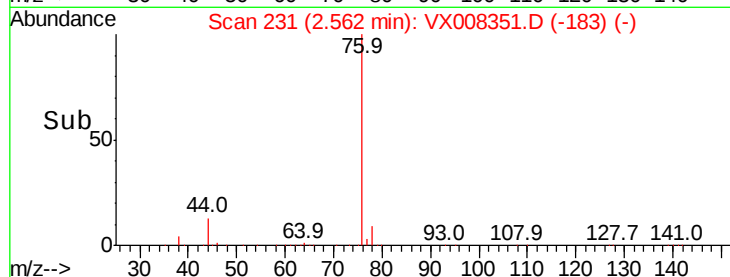
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 135.636 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX008351.D

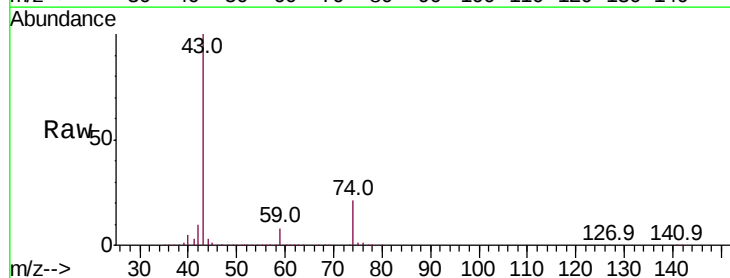
Acq: 23 Mar 2019 15:05

Tgt Ion: 43 Resp: 539281

Ion Ratio Lower Upper

43 100

74 20.5 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

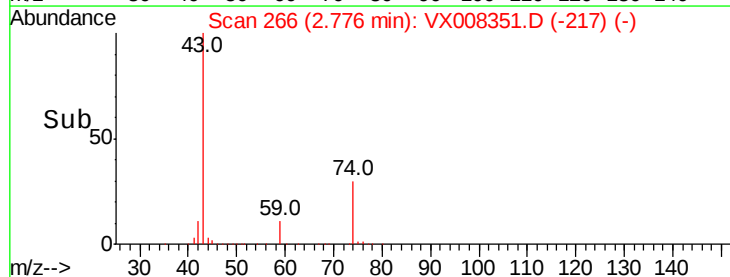
300000

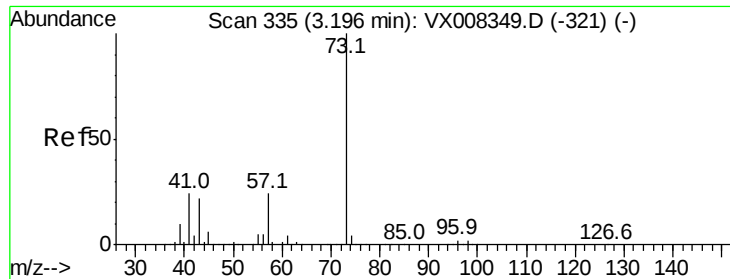
200000

100000

0

Time-->





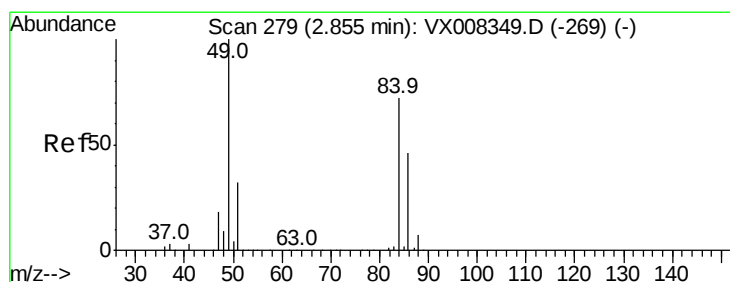
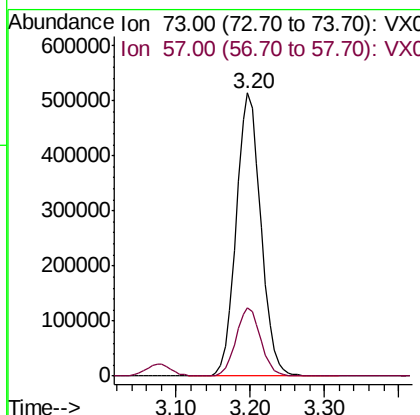
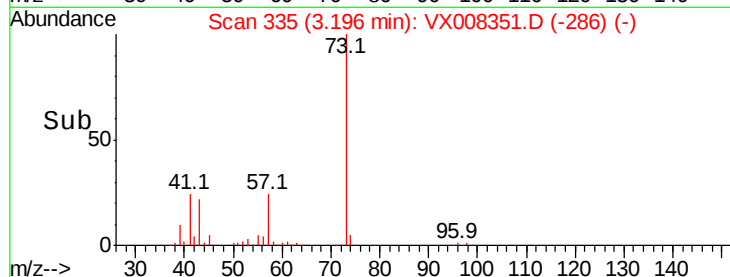
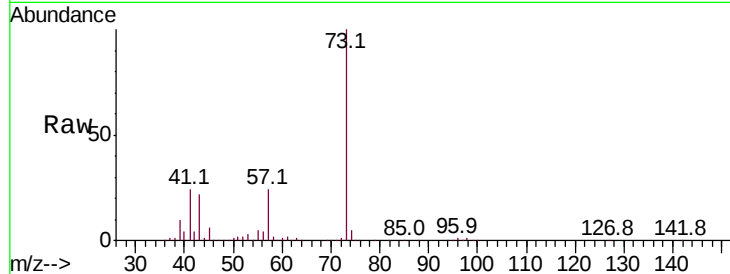
#19
Methyl tert-butyl Ether
Concen: 135.373 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX008351.D
Acq: 23 Mar 2019 15:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 1194060
Ion Ratio Lower Upper
73 100
57 24.3 18.2 27.4

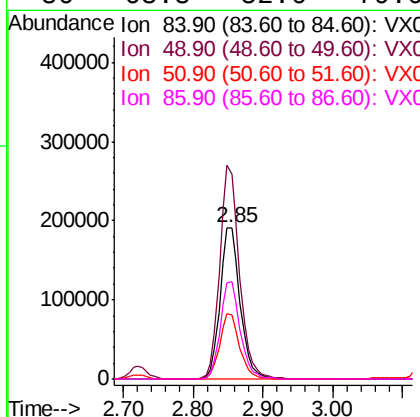
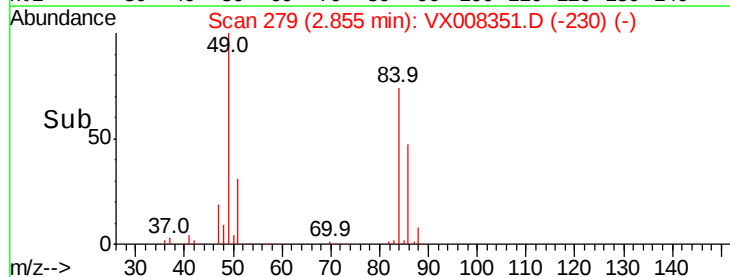
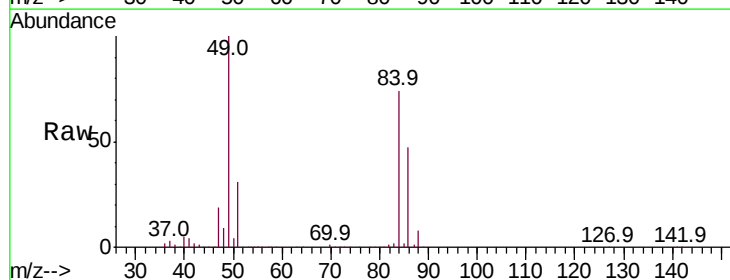
Manual Integrations
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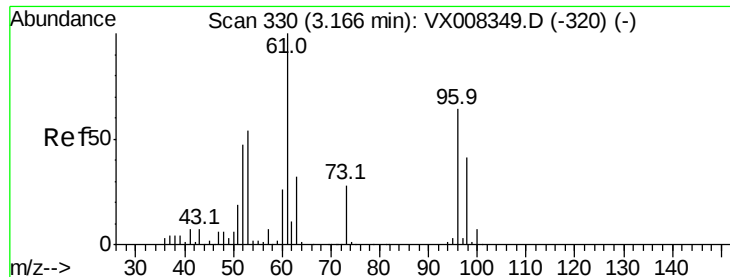
MMDadoda
3/25/2019 11:16:55 AM



#20
Methylene Chloride
Concen: 132.513 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX008351.D
Acq: 23 Mar 2019 15:05

Tgt Ion: 84 Resp: 379491
Ion Ratio Lower Upper
84 100
49 135.0 99.3 148.9
51 42.2 31.3 46.9
86 63.8 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 131.547 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX008351.D

Acq: 23 Mar 2019 15:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 346680

Ion Ratio Lower Upper

96 100

61 156.9 114.4 171.6

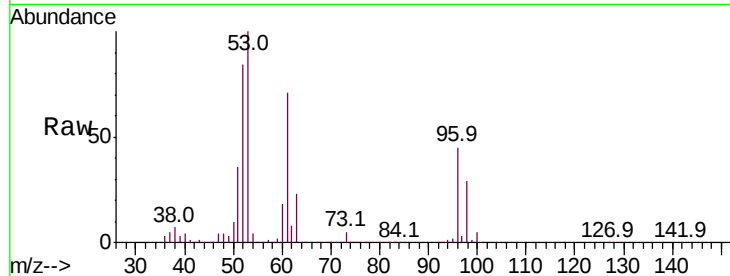
98 63.2 51.1 76.7

Manual Integrations

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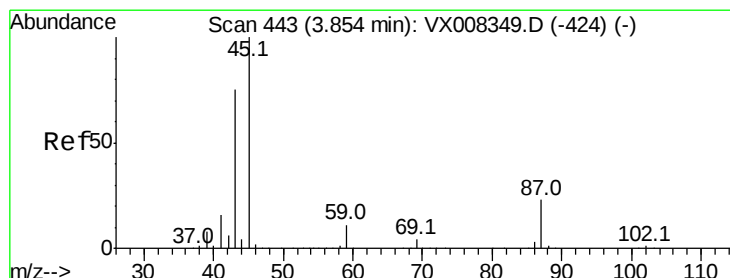
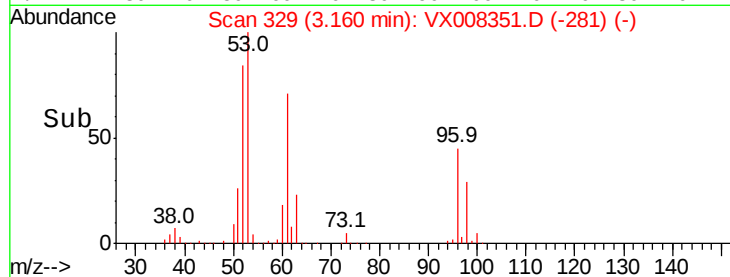
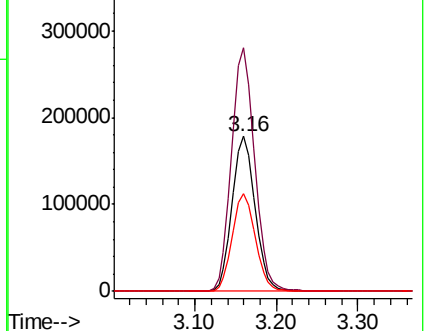
3/25/2019 11:16:55 AM



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 136.125 ug/l

RT: 3.86 min Scan# 444

Delta R.T. 0.01 min

Lab File: VX008351.D

Acq: 23 Mar 2019 15:05

Tgt Ion: 45 Resp: 1415782

Ion Ratio Lower Upper

45 100

43 60.5 45.3 67.9

87 22.9 21.4 32.0

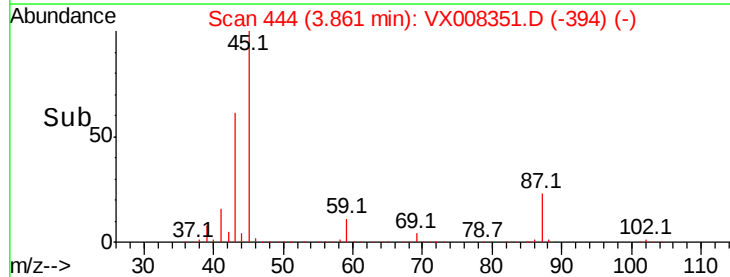
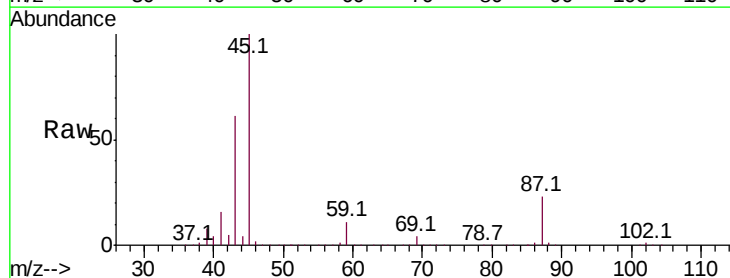
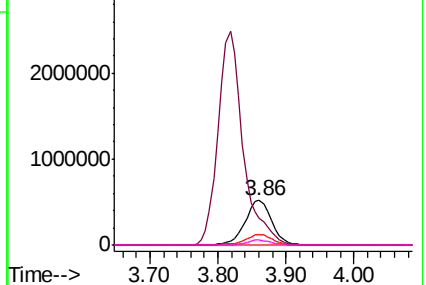
59 10.9 9.5 14.3

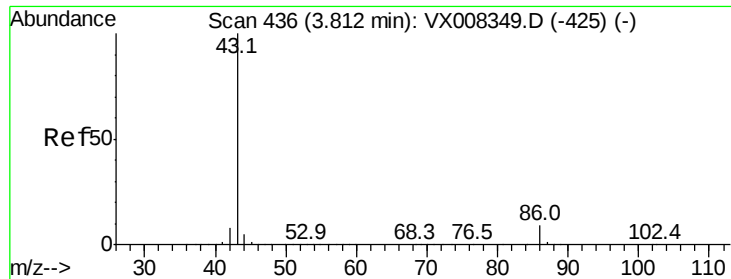
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 716.230 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.01 min

Lab File: VX008351.D

Acq: 23 Mar 2019 15:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 6386576

Ion Ratio Lower Upper

43 100

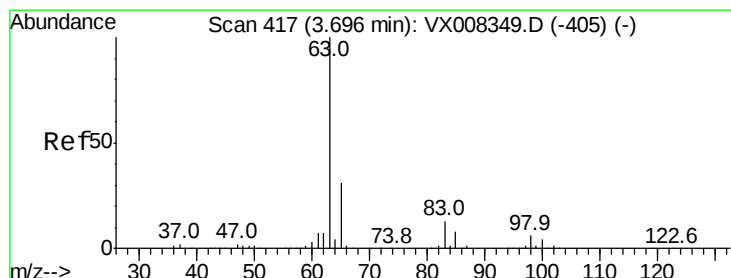
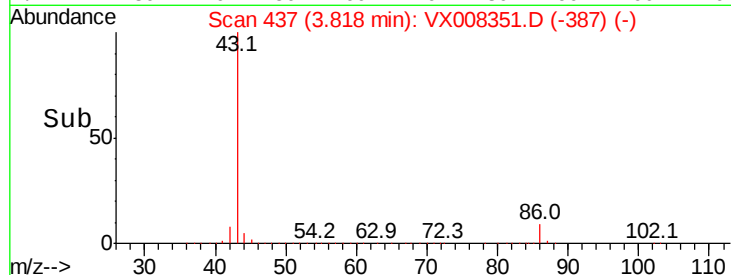
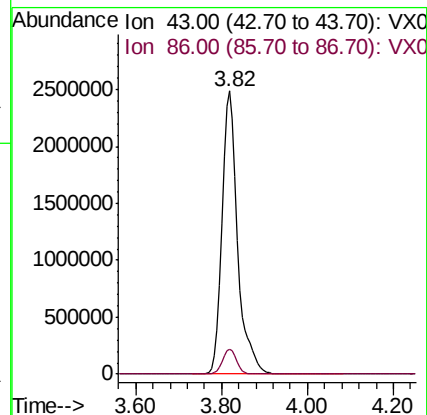
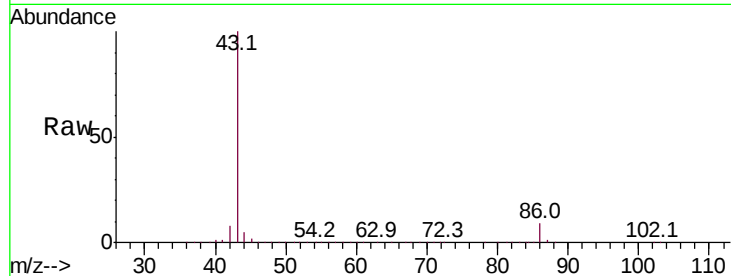
86 9.0 7.9 11.9

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 133.611 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX008351.D

Acq: 23 Mar 2019 15:05

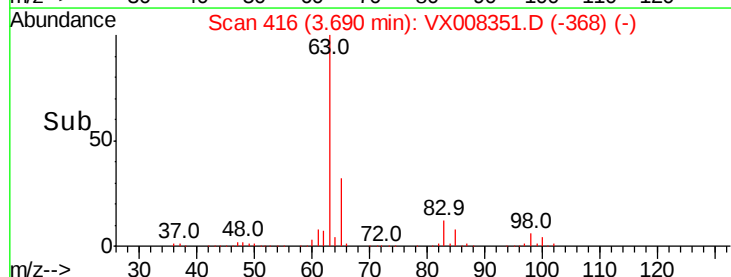
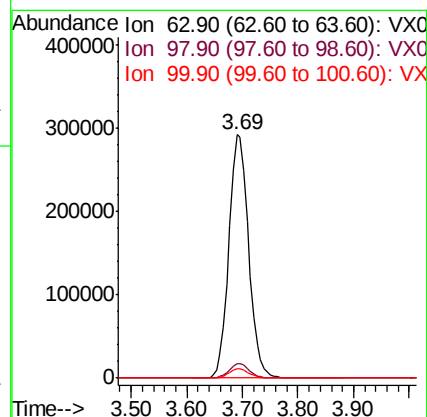
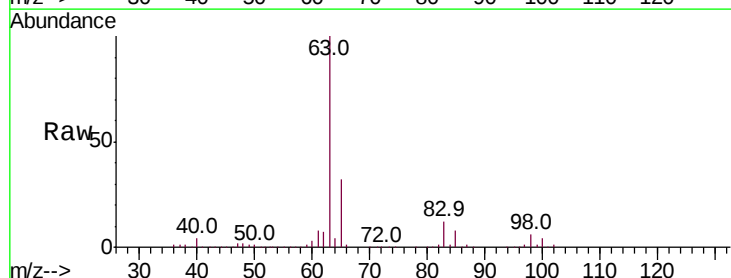
Tgt Ion: 63 Resp: 714724

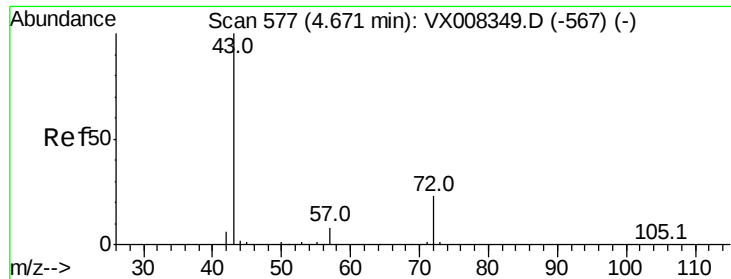
Ion Ratio Lower Upper

63 100

98 5.9 3.3 9.8

100 3.8 2.3 6.8





#25

2-Butanone

Concen: 718.841 ug/l

RT: 4.68 min Scan# 579

Delta R.T. 0.01 min

Lab File: VX008351.D

Acq: 23 Mar 2019 15:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1822350

Ion Ratio Lower Upper

43 100

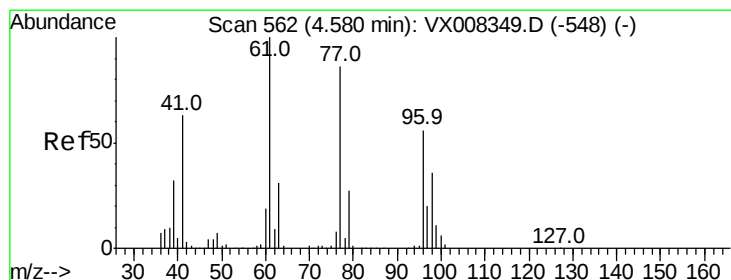
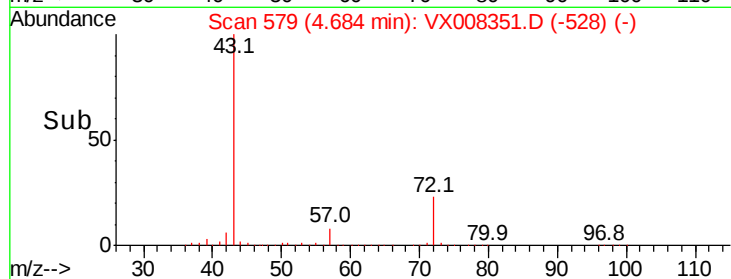
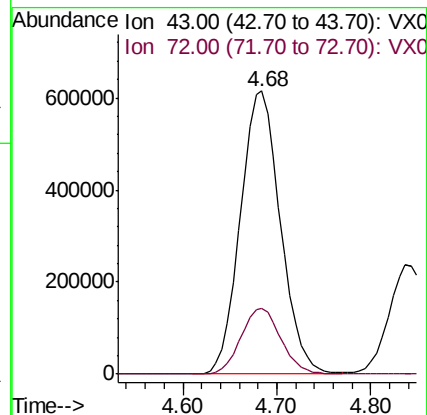
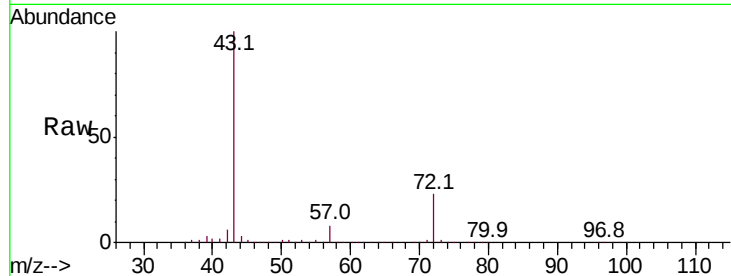
72 23.2 19.9 29.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 123.516 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX008351.D

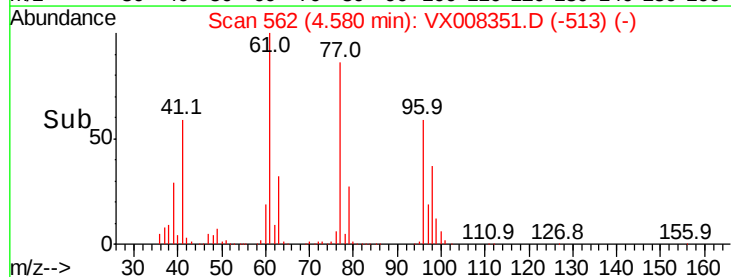
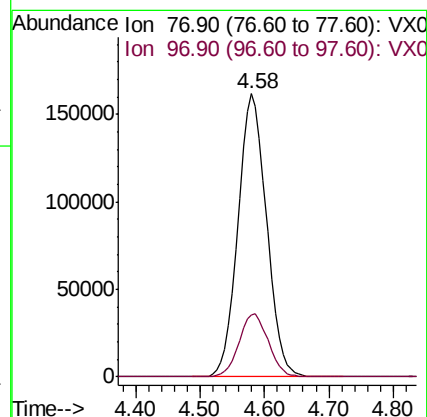
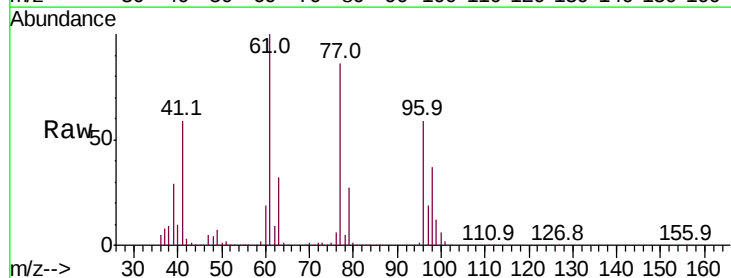
Acq: 23 Mar 2019 15:05

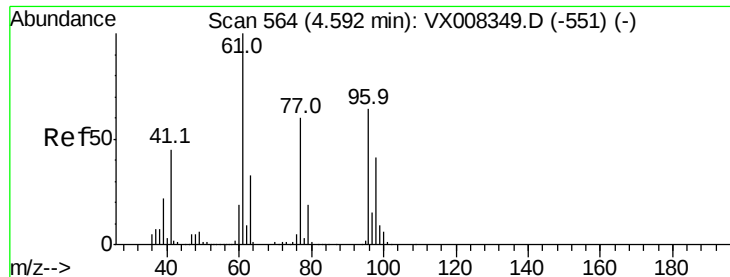
Tgt Ion: 77 Resp: 497734

Ion Ratio Lower Upper

77 100

97 22.8 12.2 36.6





#27

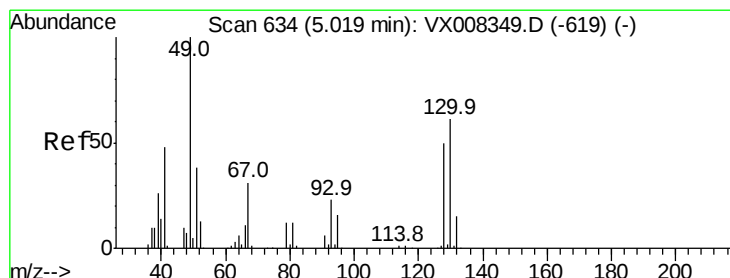
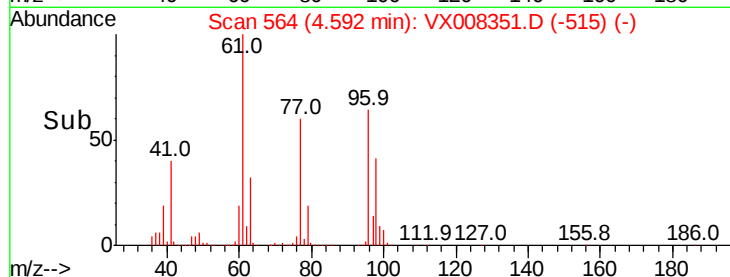
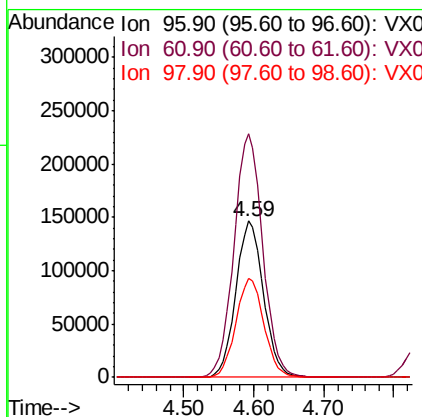
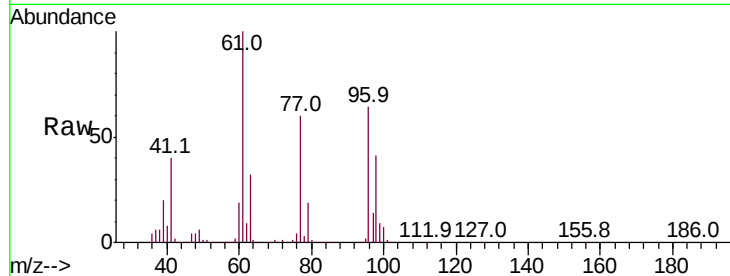
cis-1,2-Dichloroethene
Concen: 134.105 ug/l
RT: 4.59 min Scan# 564
Delta R.T. 0.00 min
Lab File: VX008351.D
Acq: 23 Mar 2019 15:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100	402894		
61	161.9	0.0	288.0	
98	64.3	0.0	129.0	

Manual Integrations
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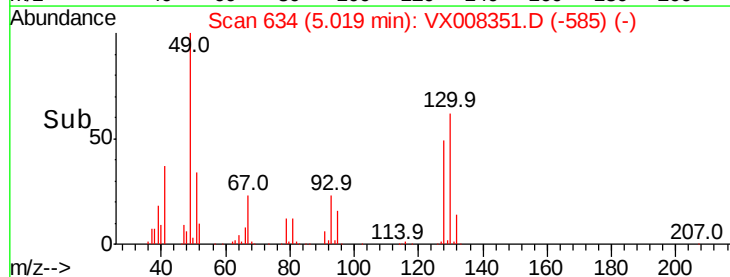
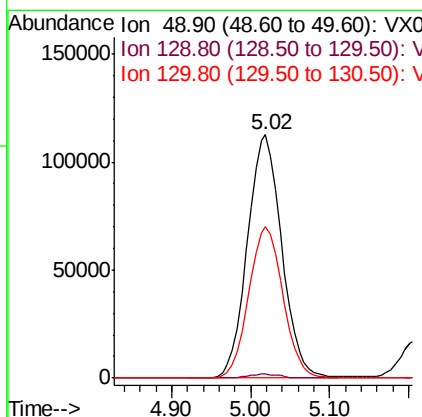
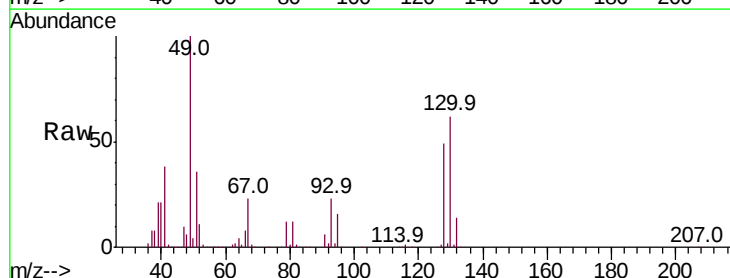
MMDadoda
3/25/2019 11:16:55 AM

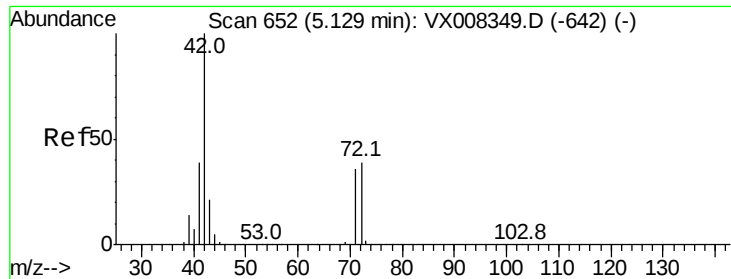


#28

Bromochloromethane
Concen: 142.165 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX008351.D
Acq: 23 Mar 2019 15:05

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	341482		
129	1.6	0.0	4.0	
130	61.9	65.0	97.4#	





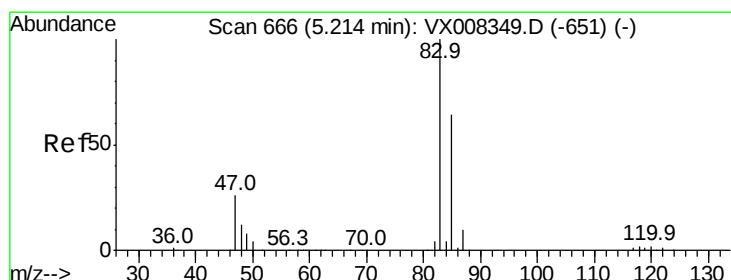
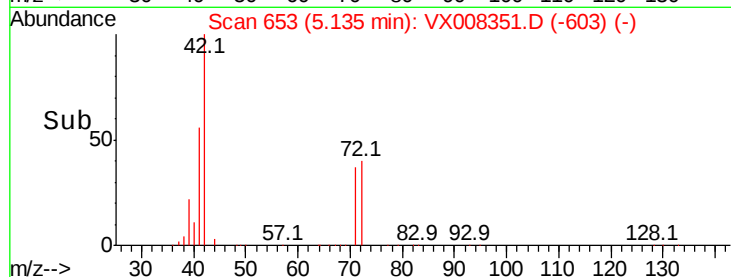
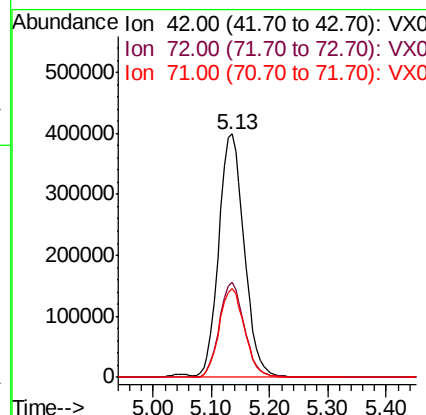
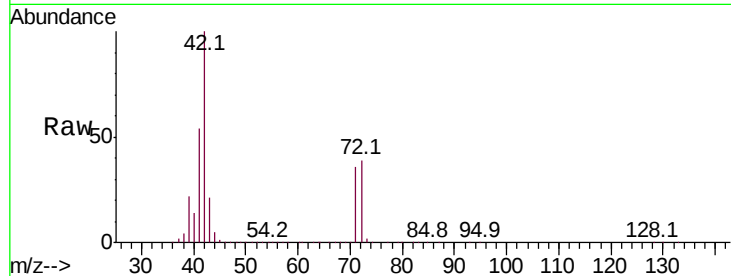
#29
Tetrahydrofuran
Concen: 761.168 ug/l
RT: 5.13 min Scan# 653
Delta R.T. 0.01 min
Lab File: VX008351.D
Acq: 23 Mar 2019 15:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 42 Resp: 1206286
Ion Ratio Lower Upper
42 100
72 38.7 33.8 50.6
71 36.5 31.5 47.3

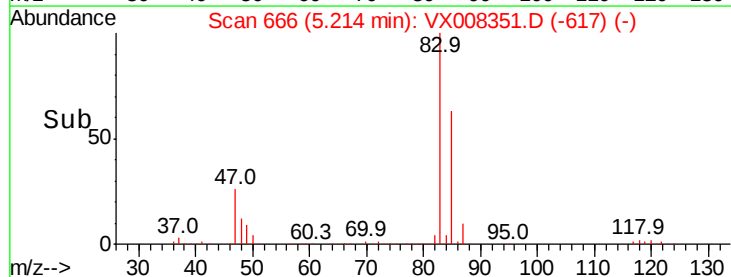
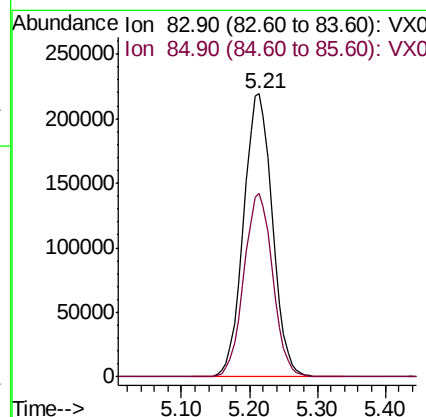
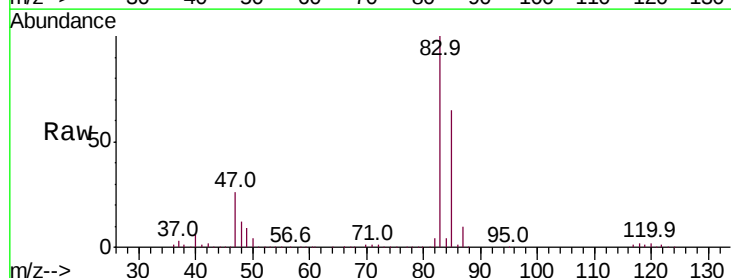
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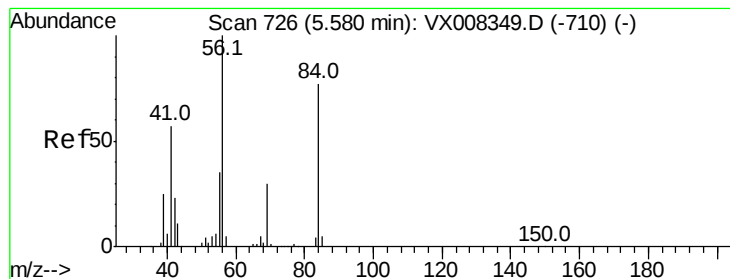
MMDadoda
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#30
Chloroform
Concen: 129.138 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX008351.D
Acq: 23 Mar 2019 15:05

Tgt Ion: 83 Resp: 646173
Ion Ratio Lower Upper
83 100
85 64.8 51.8 77.6





#31

Cyclohexane

Concen: 134.904 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX008351.D

Acq: 23 Mar 2019 15:05

Instrument :

MSVOA_X

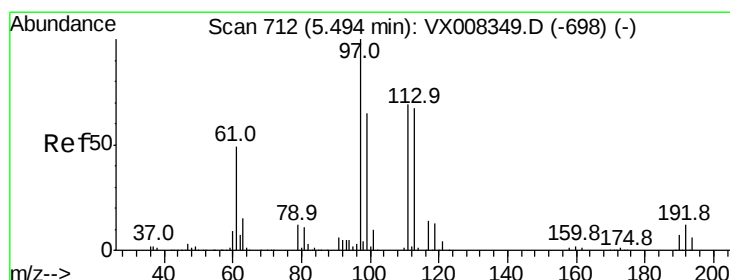
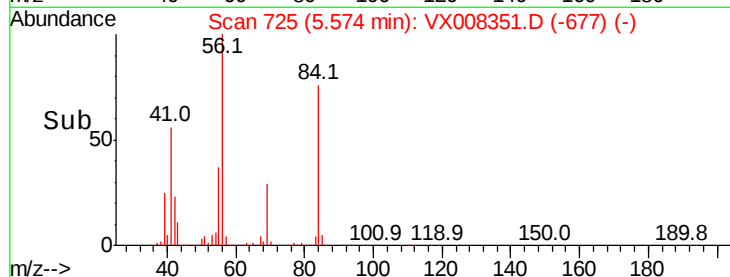
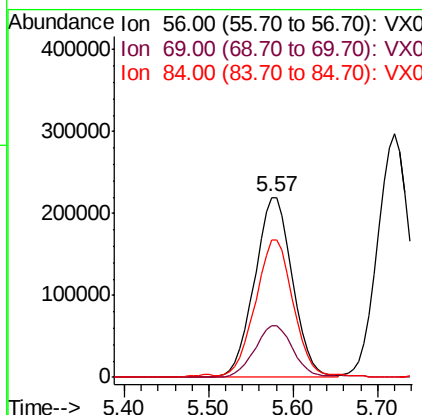
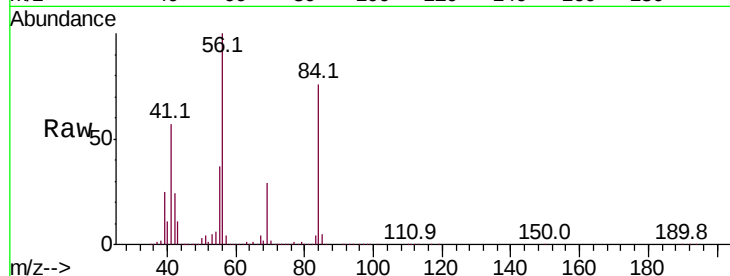
ClientSampleId :

VSTDIC150

Tot Ion:	56	Resp:	677640
Ion	Ratio	Lower	Upper
56	100		
69	28.8	24.0	36.0
84	75.3	65.3	97.9

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#32

1,1,1-Trichloroethane

Concen: 129.245 ug/l

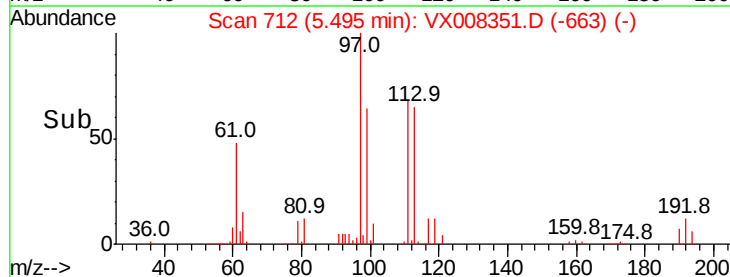
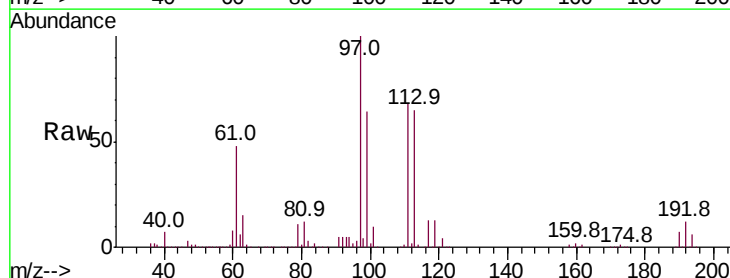
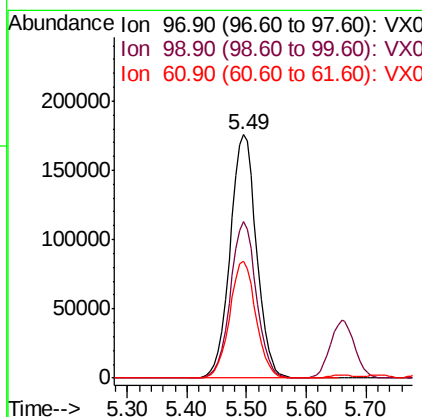
RT: 5.49 min Scan# 712

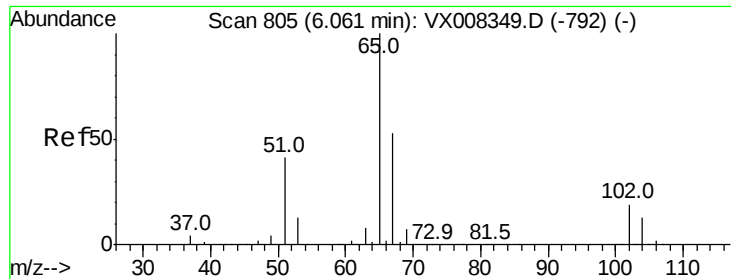
Delta R.T. 0.00 min

Lab File: VX008351.D

Acq: 23 Mar 2019 15:05

Tgt Ion:	97	Resp:	537972
Ion	Ratio	Lower	Upper
97	100		
99	63.5	52.2	78.2
61	47.9	34.9	52.3





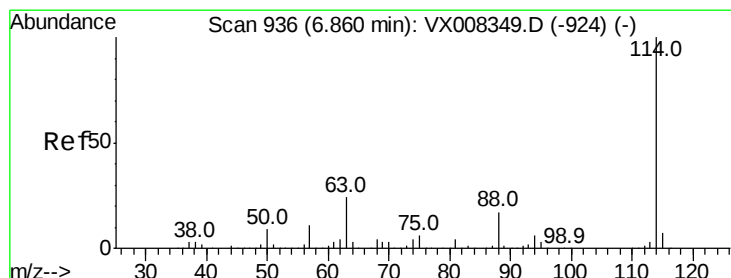
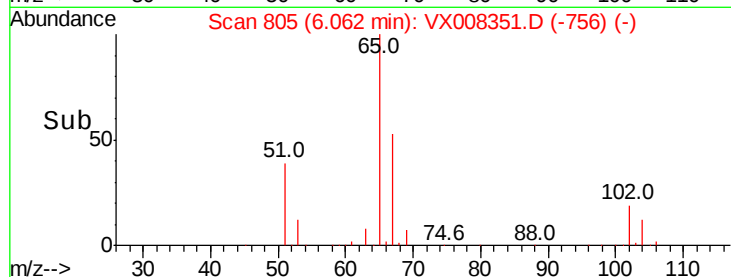
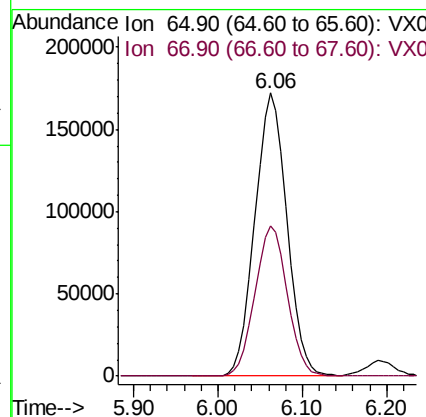
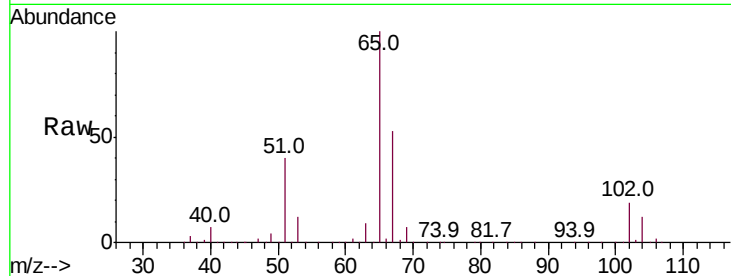
#33
 1,2-Dichloroethane-d4
 Concen: 147.566 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX008351.D
 Acq: 23 Mar 2019 15:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.6	0.0	110.0	

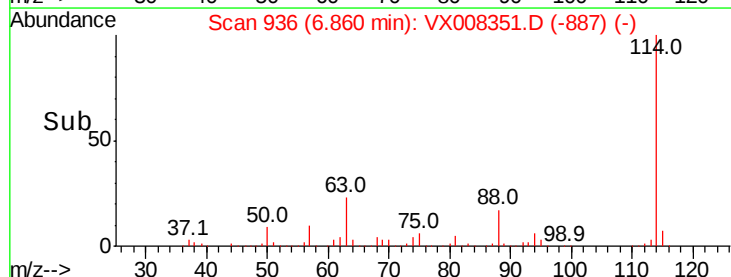
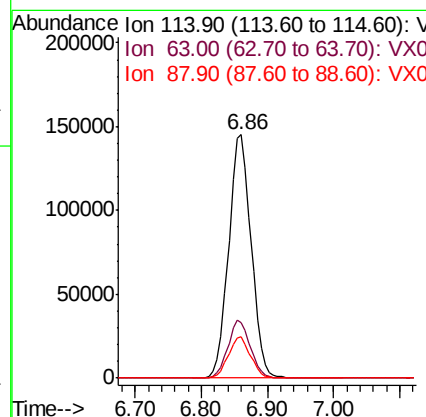
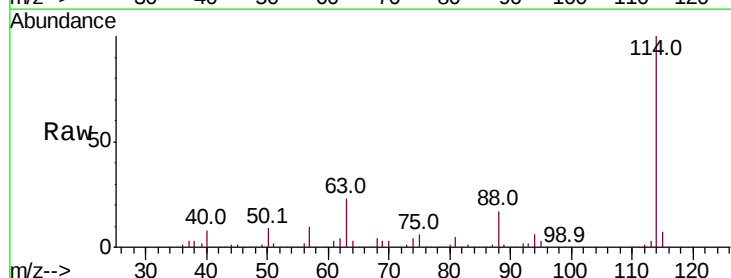
Manual Integrations
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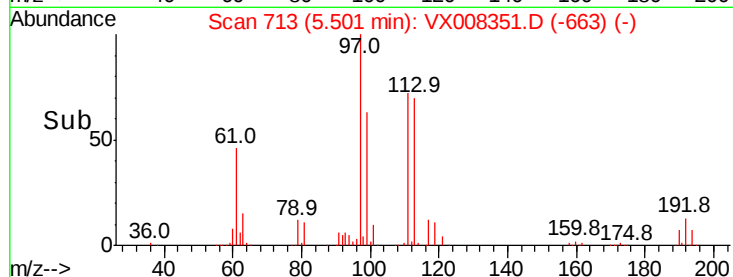
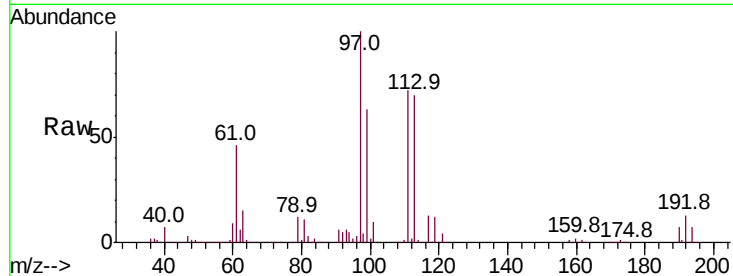
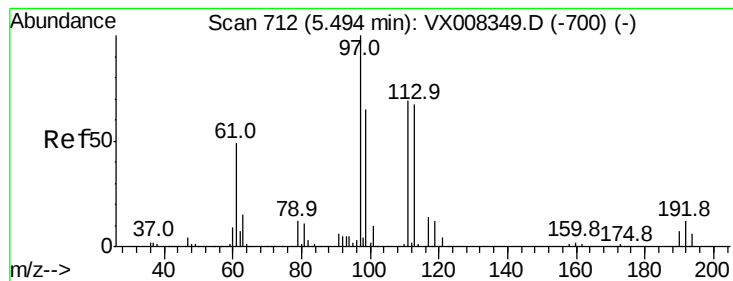
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 3/25/2019 11:16:55 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008351.D
 Acq: 23 Mar 2019 15:05

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.7	0.0	39.8	
88	16.9	0.0	31.4	





#35

Dibromofluoromethane

Concen: 145.175 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX008351.D

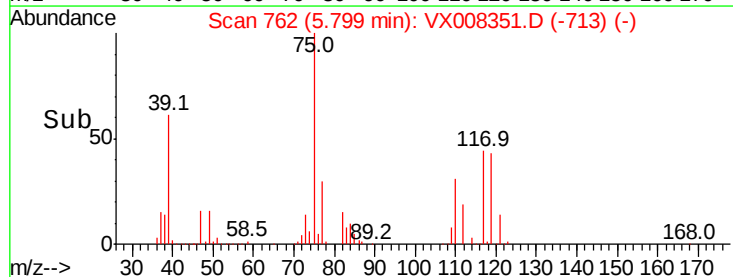
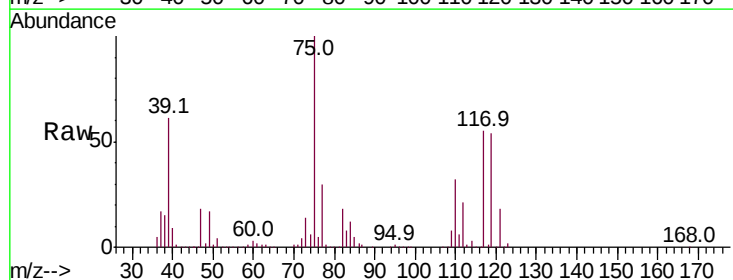
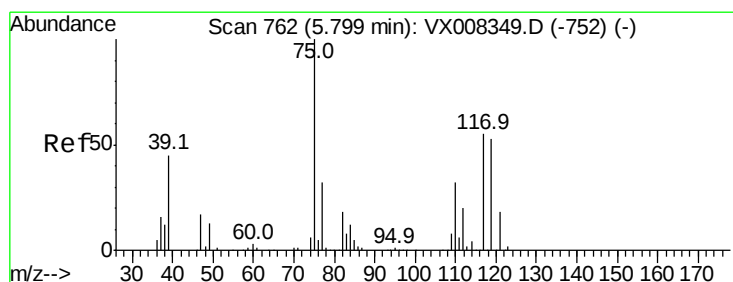
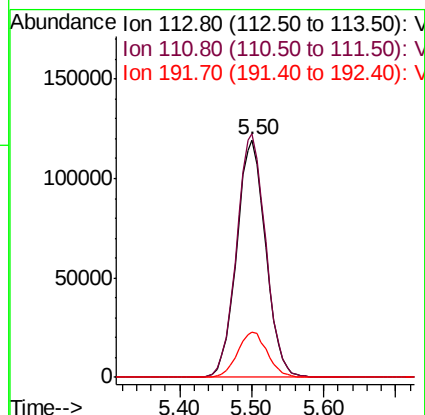
Acq: 23 Mar 2019 15:05

Tot Ion:	113	Resp:	333690
Ion Ratio	Lower	Upper	
113	100		
111	103.0	81.4	122.0
192	19.6	19.4	29.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 129.126 ug/l

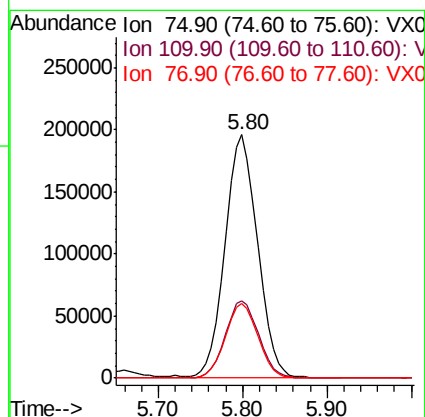
RT: 5.80 min Scan# 762

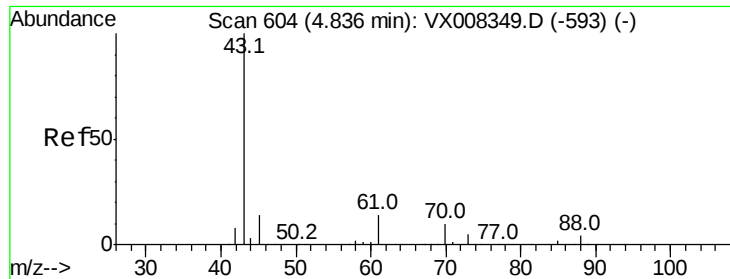
Delta R.T. 0.00 min

Lab File: VX008351.D

Acq: 23 Mar 2019 15:05

Tgt Ion:	75	Resp:	516189
Ion Ratio	Lower	Upper	
75	100		
110	32.5	18.4	55.0
77	30.6	25.0	37.4





#37

Ethyl Acetate

Concen: 148.904 ug/l

RT: 4.84 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX008351.D

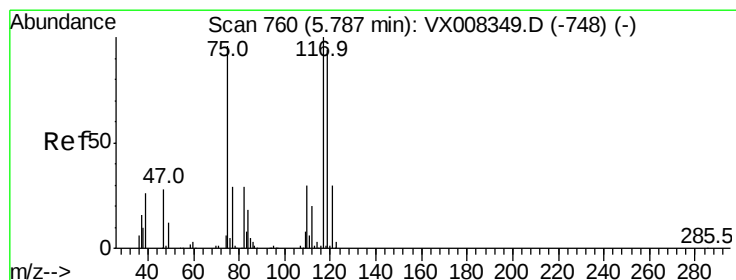
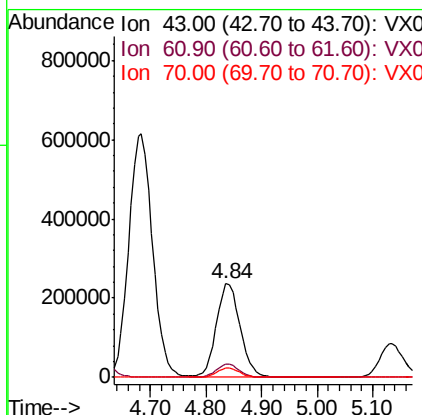
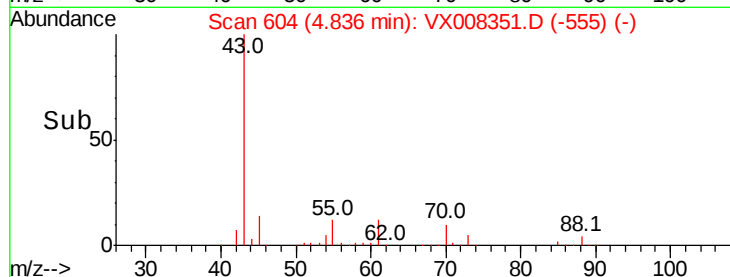
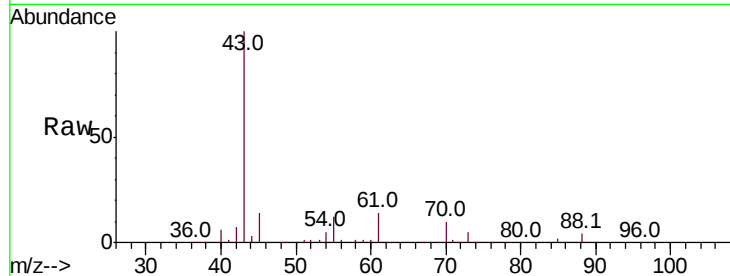
Acq: 23 Mar 2019 15:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	11.3	16.9
70	9.7	8.5	12.7

Manual Integrations
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3/25/2019 11:16:55 AM



#38

Carbon Tetrachloride

Concen: 125.320 ug/l

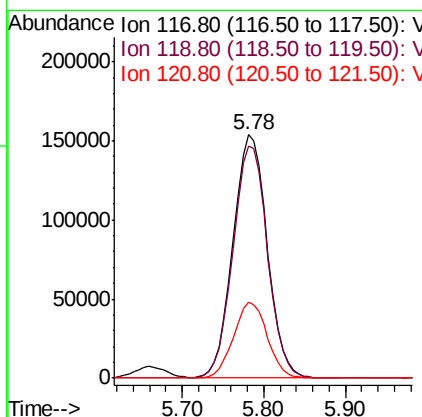
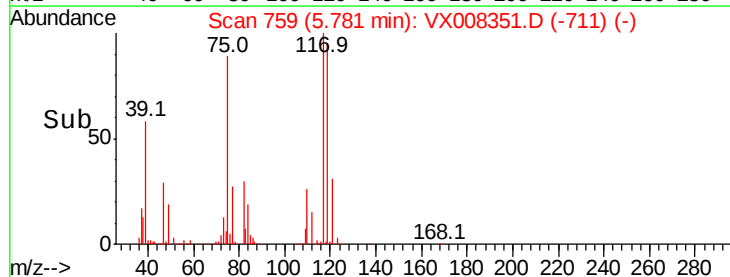
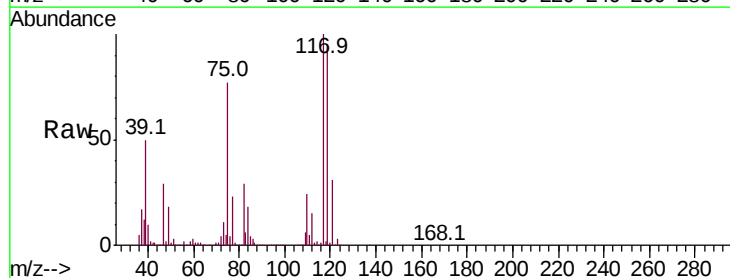
RT: 5.78 min Scan# 759

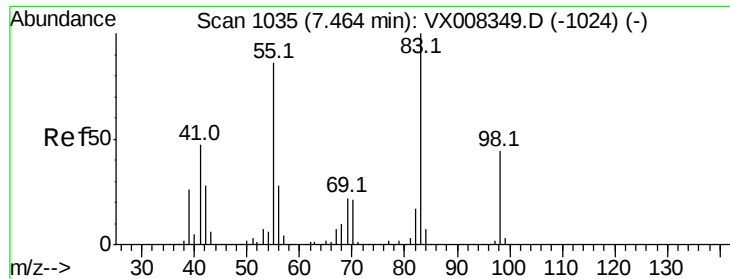
Delta R.T. -0.01 min

Lab File: VX008351.D

Acq: 23 Mar 2019 15:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.2	76.2	114.2
121	31.1	24.6	36.8





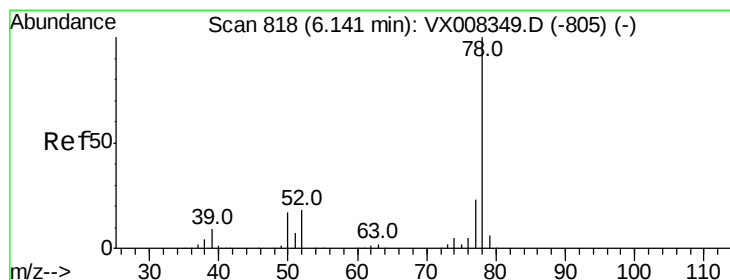
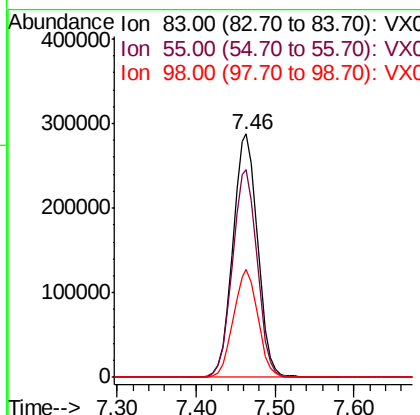
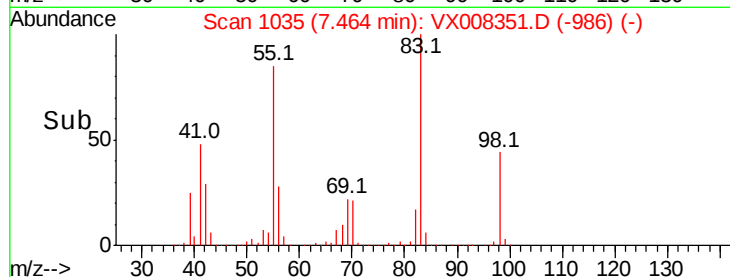
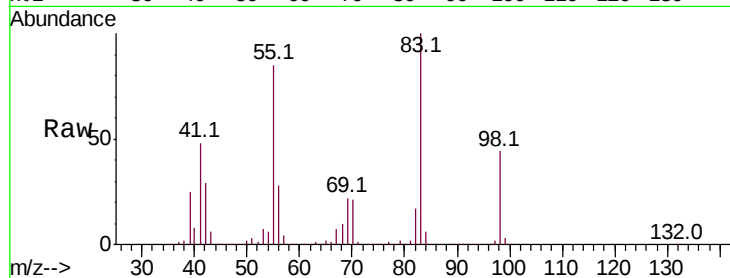
#39
Methvlcvclohexane
Concen: 130.424 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX008351.D
Acq: 23 Mar 2019 15:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.4	60.4	90.6
98	44.1	36.5	54.7

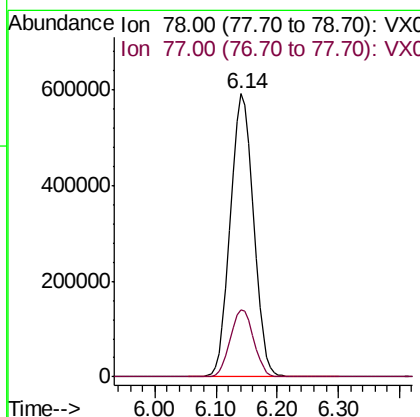
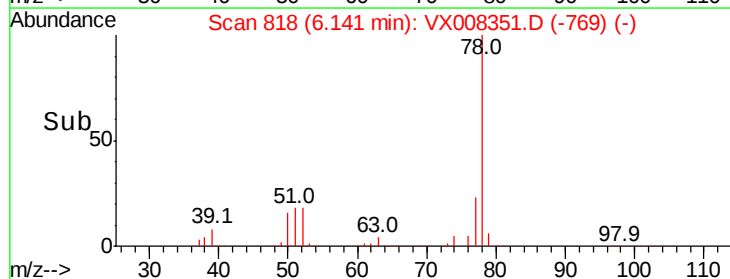
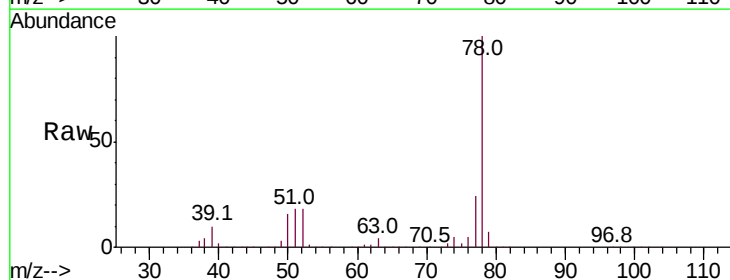
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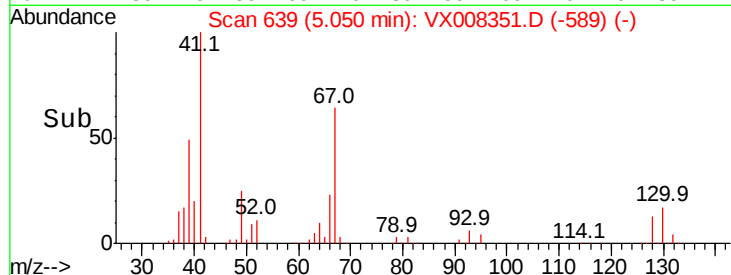
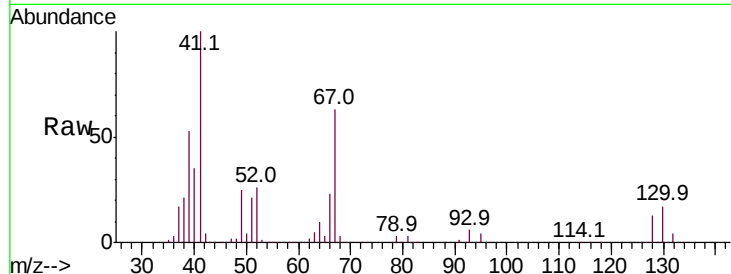
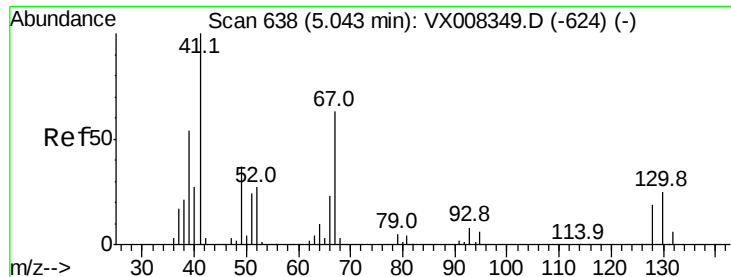
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#40
Benzene
Concen: 130.245 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX008351.D
Acq: 23 Mar 2019 15:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.4





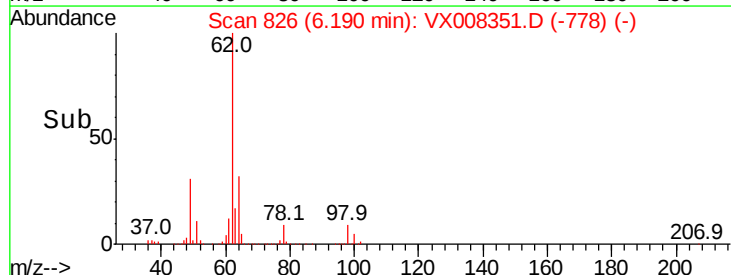
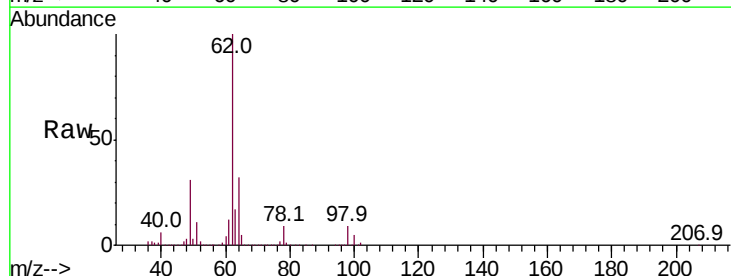
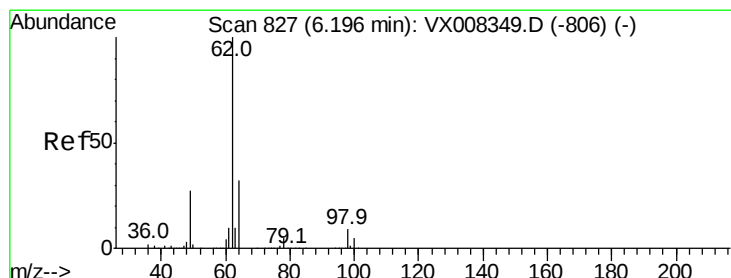
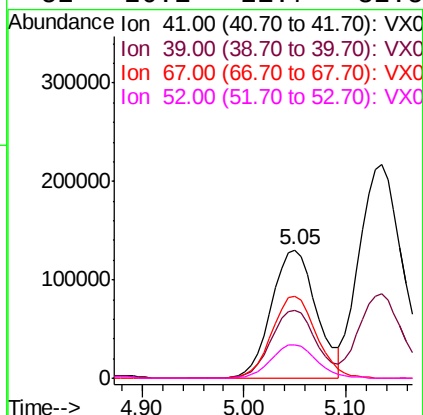
#41
Methacrylonitrile
Concen: 150.758 ug/l
RT: 5.05 min Scan# 639
Delta R.T. 0.01 min
Lab File: VX008351.D
Acq: 23 Mar 2019 15:05

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.0	41.6	62.4
67	63.1	55.8	83.6
52	26.1	21.7	32.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

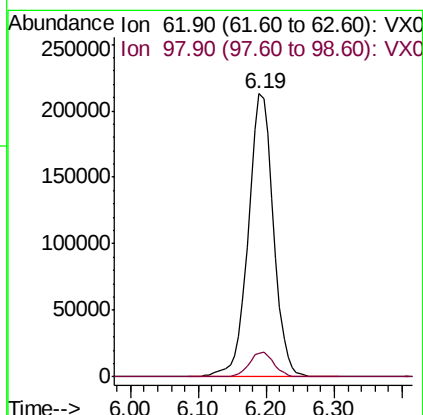
Manual Integrations
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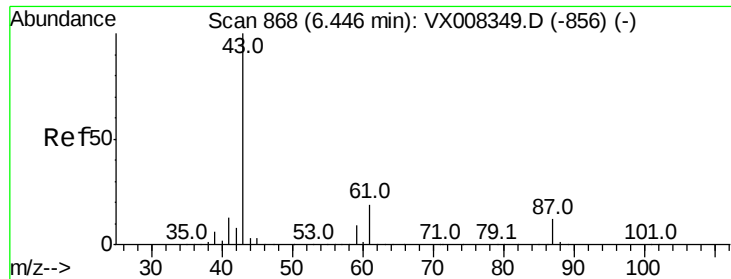
MMDadoda
3/25/2019 11:16:55 AM



#42
1,2-Dichloroethane
Concen: 126.276 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.01 min
Lab File: VX008351.D
Acq: 23 Mar 2019 15:05

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	20.4





#43

Isopropyl Acetate

Concen: 149.596 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX008351.D

Acq: 23 Mar 2019 15:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1133113

Ion Ratio Lower Upper

43 100

61 19.2 16.3 24.5

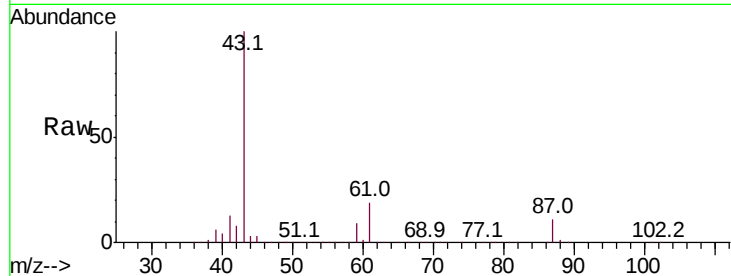
87 11.5 10.5 15.7

Manual Integrations

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MMDadoda

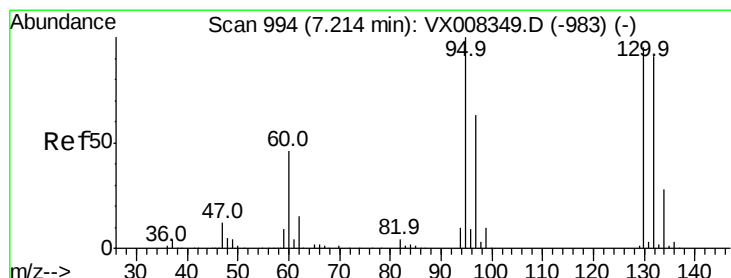
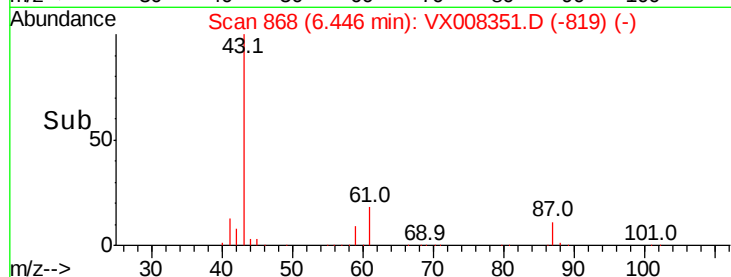
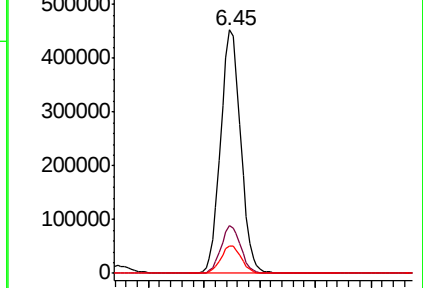
3/25/2019 11:16:55 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 123.671 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX008351.D

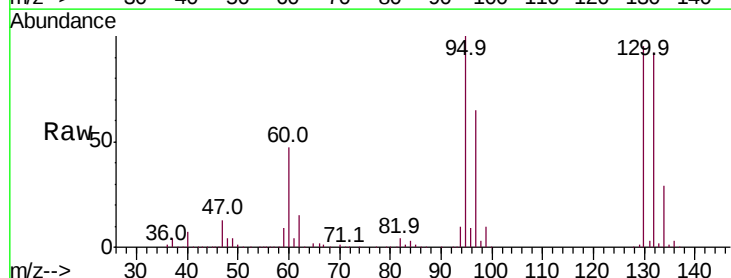
Acq: 23 Mar 2019 15:05

Tgt Ion:130 Resp: 357786

Ion Ratio Lower Upper

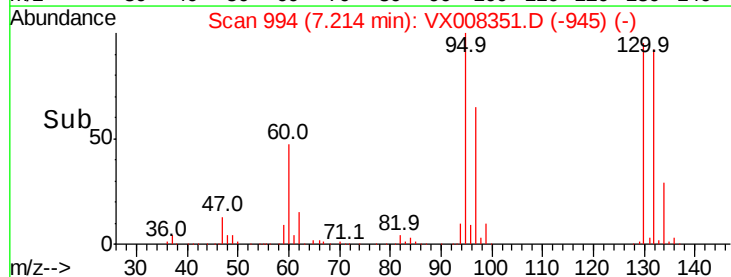
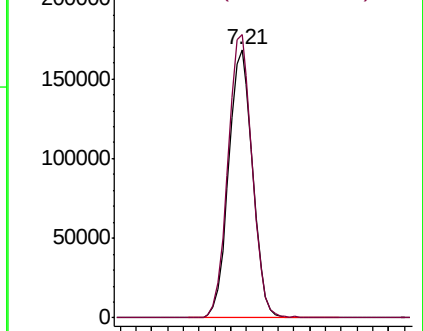
130 100

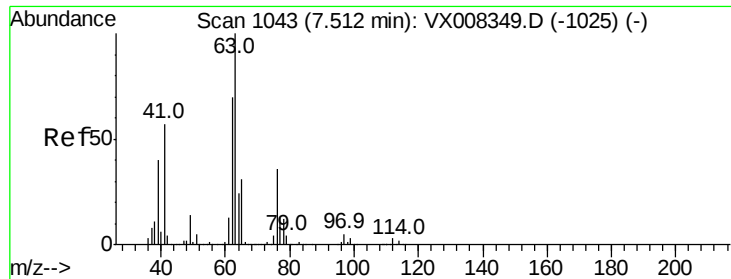
95 105.6 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 133.303 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX008351.D

Acq: 23 Mar 2019 15:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tot Ion: 63 Resp: 441531

Ion Ratio Lower Upper

63 100

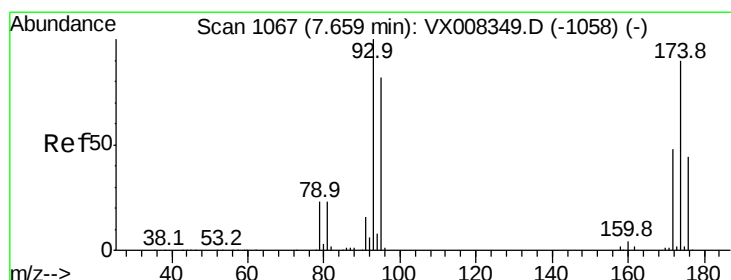
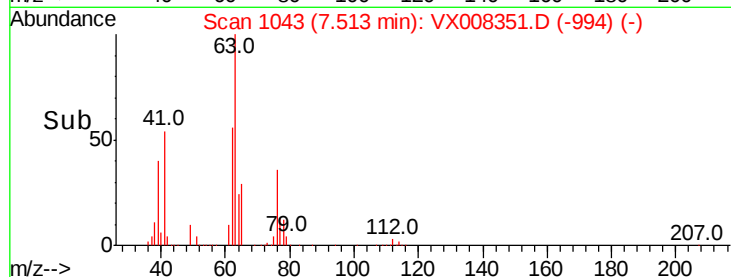
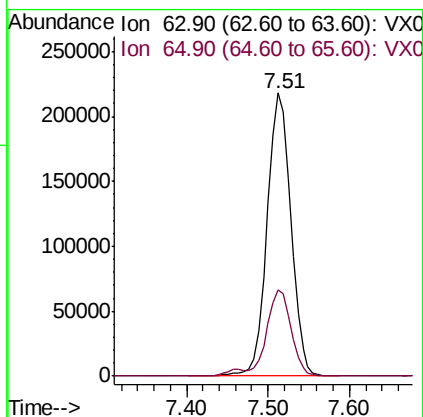
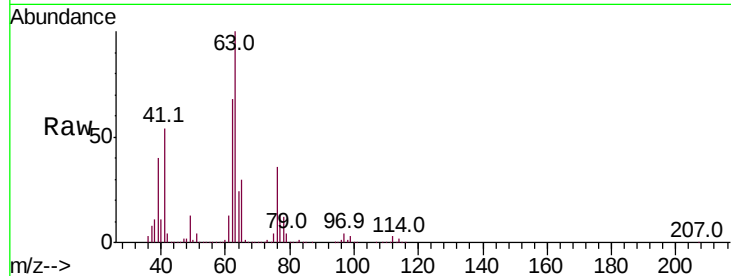
65 30.3 24.7 37.1

Manual Integrations

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#46

Dibromomethane

Concen: 129.218 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX008351.D

Acq: 23 Mar 2019 15:05

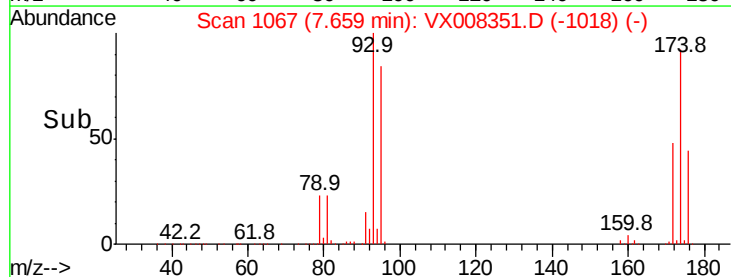
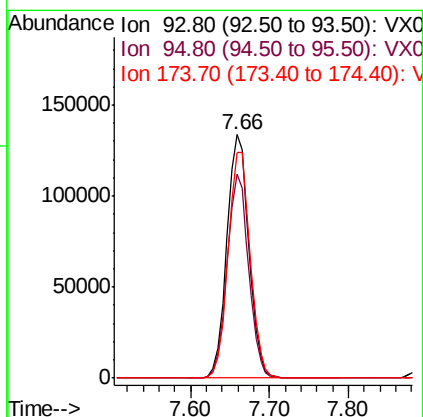
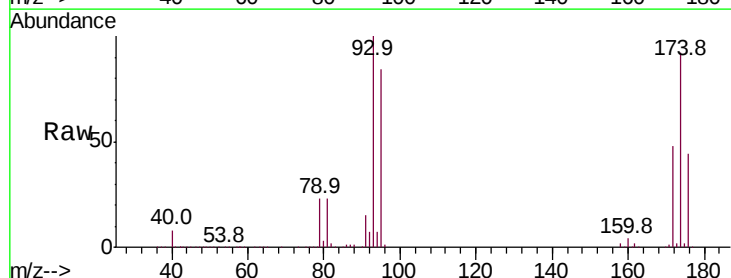
Tgt Ion: 93 Resp: 259140

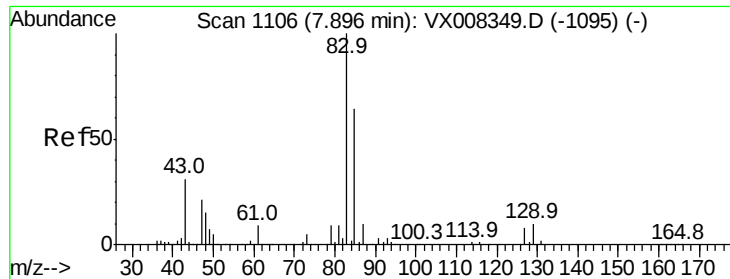
Ion Ratio Lower Upper

93 100

95 82.6 66.8 100.2

174 93.4 97.3 145.9#





#47

Bromodichloromethane

Concen: 136.694 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX008351.D

Acq: 23 Mar 2019 15:05

Instrument :

MSVOA_X

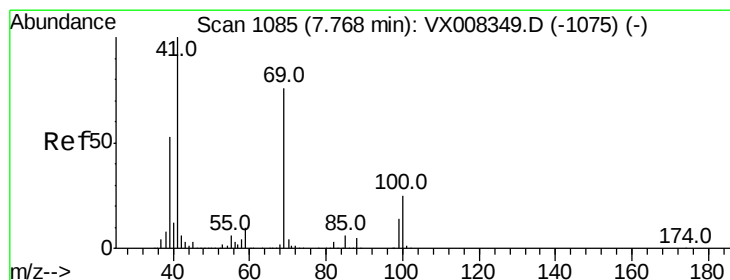
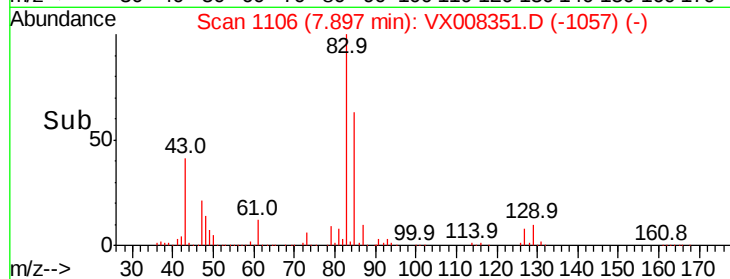
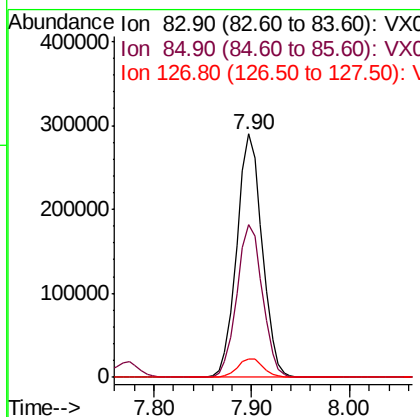
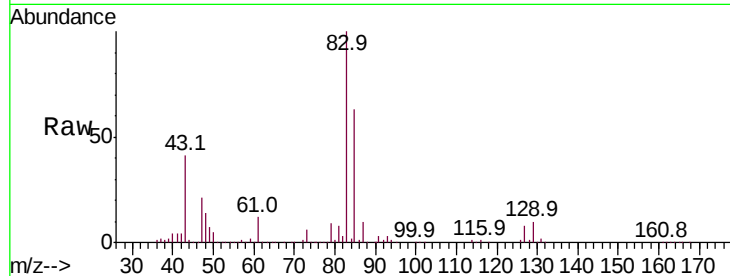
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	522434
Ion Ratio	Lower	Upper	
83	100		
85	62.9	50.9	76.3
127	7.8	7.4	11.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 142.442 ug/l

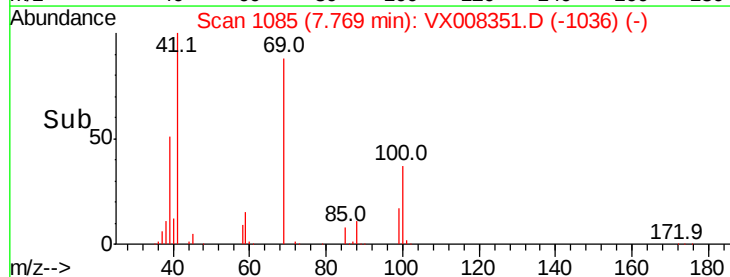
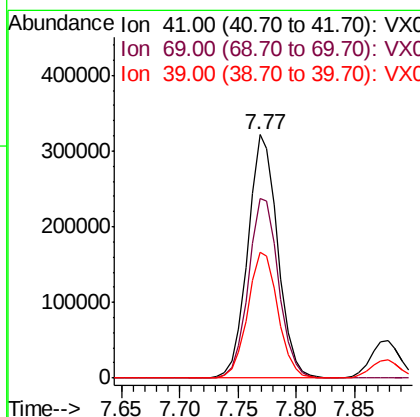
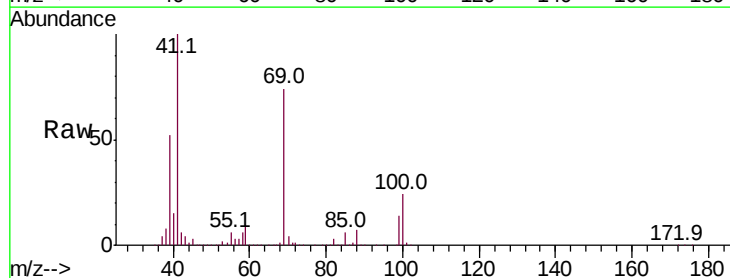
RT: 7.77 min Scan# 1085

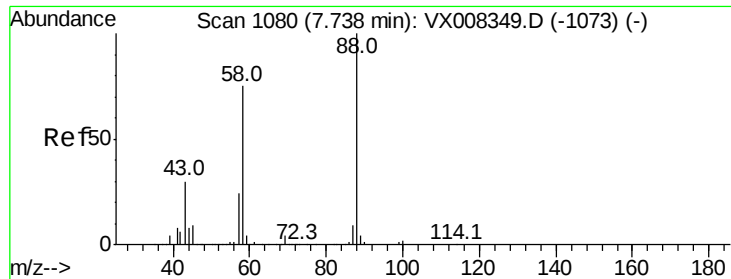
Delta R.T. 0.00 min

Lab File: VX008351.D

Acq: 23 Mar 2019 15:05

Tgt Ion:	41	Resp:	573683
Ion Ratio	Lower	Upper	
41	100		
69	74.9	65.2	97.8
39	52.2	39.4	59.2





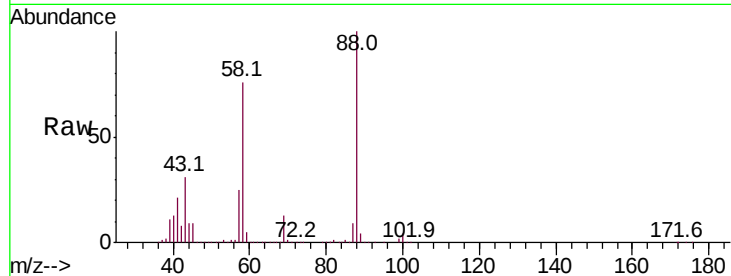
#49
1,4-Dioxane
Concen: 2973.174 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VX008351.D
Acq: 23 Mar 2019 15:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.5	25.1	37.7
58	79.1	57.8	86.6

Manual Integrations
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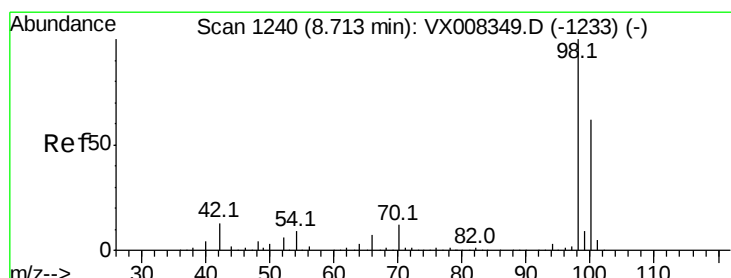
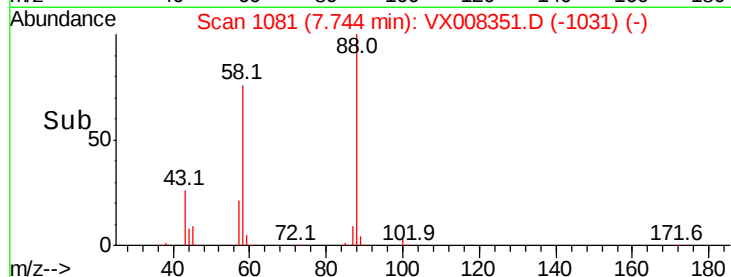
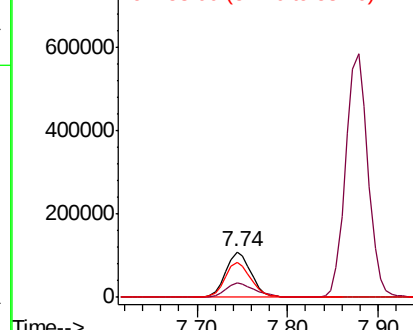


Abundance

Ion 88.00 (87.70 to 88.70): VX0

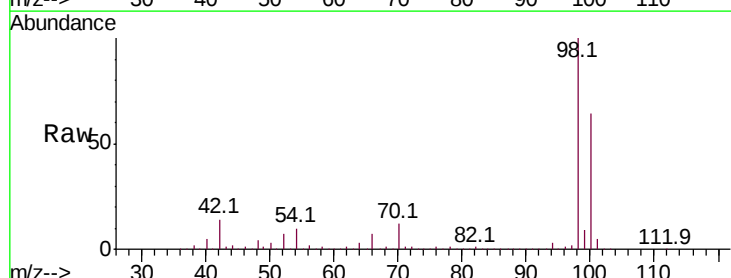
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 150.843 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008351.D
Acq: 23 Mar 2019 15:05

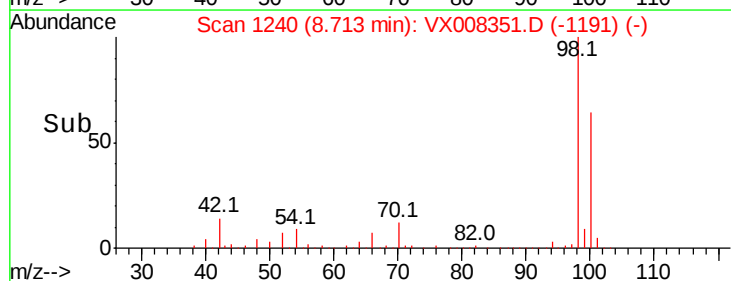
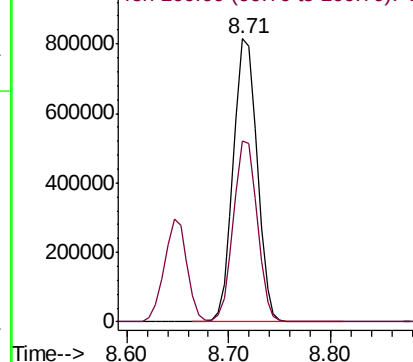
Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.7	77.5

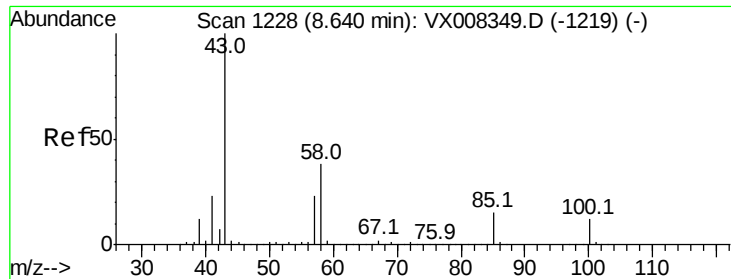


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 745.309 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.01 min

Lab File: VX008351.D

Acq: 23 Mar 2019 15:05

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion: 43 Resp: 3649674

Ion Ratio Lower Upper

43 100

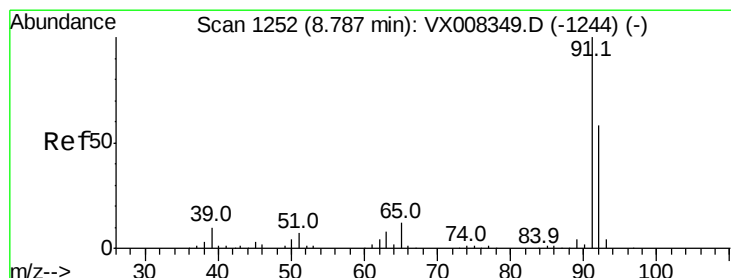
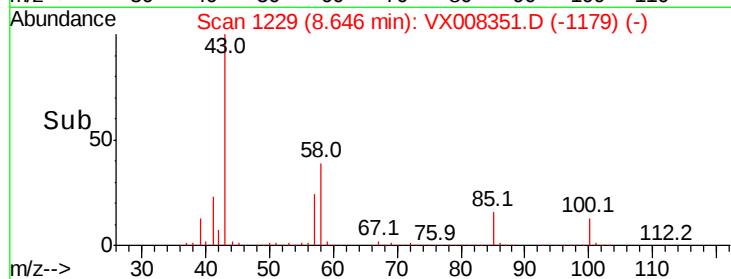
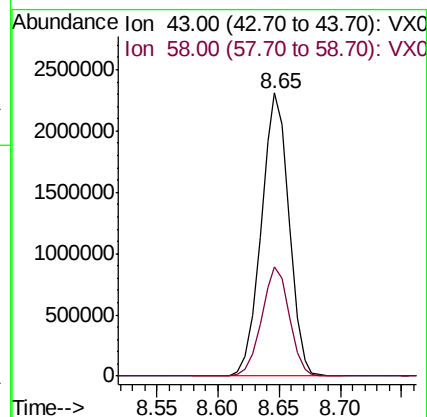
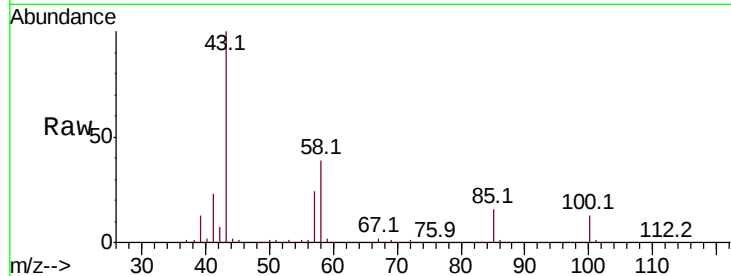
58 38.3 31.3 46.9

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#52

Toluene

Concen: 131.401 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX008351.D

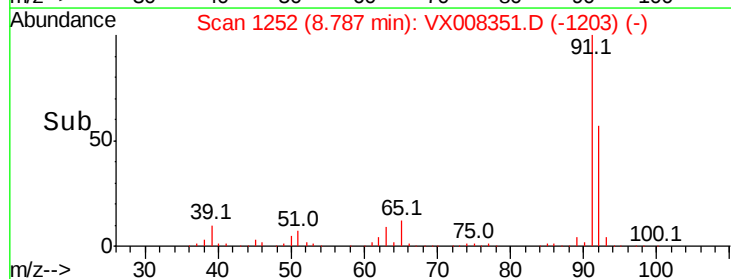
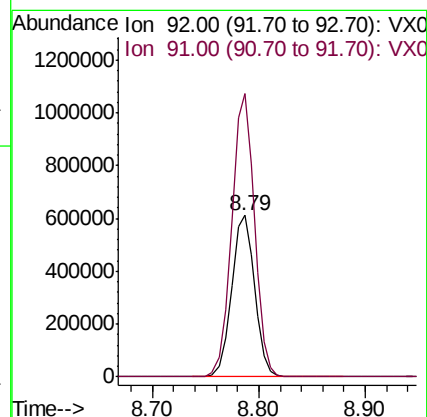
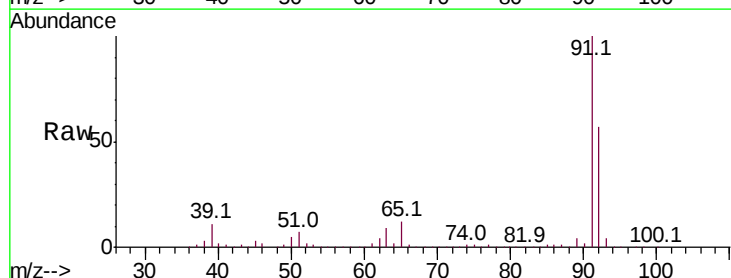
Acq: 23 Mar 2019 15:05

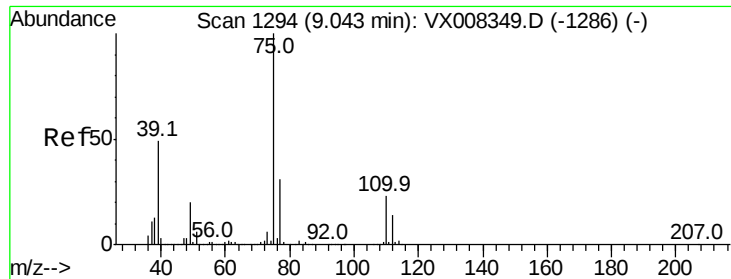
Tgt Ion: 92 Resp: 922368

Ion Ratio Lower Upper

92 100

91 173.9 137.4 206.0





#53

t-1,3-Dichloropropene

Concen: 144.488 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX008351.D

Acq: 23 Mar 2019 15:05

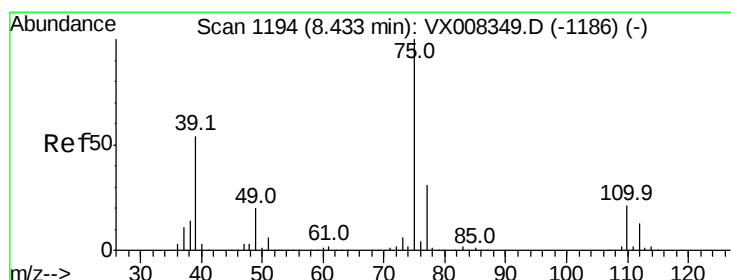
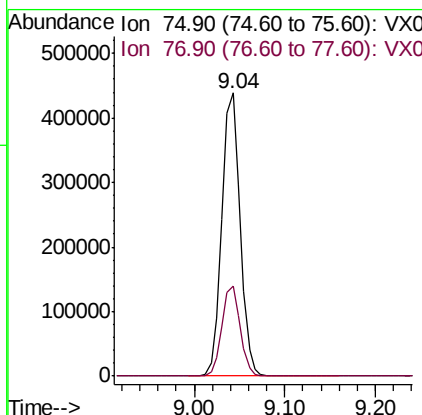
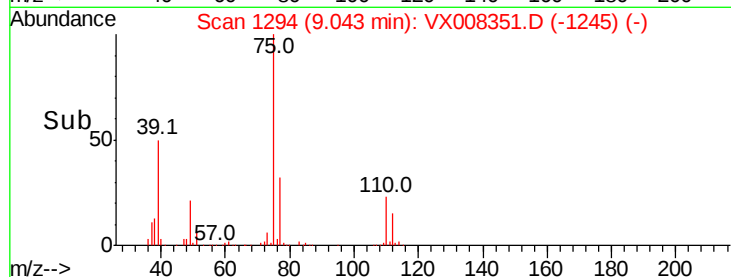
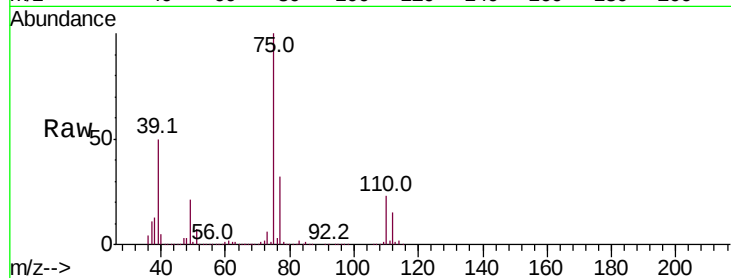
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 75 Resp: 618004

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.4	38.0

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 140.826 ug/l

RT: 8.43 min Scan# 1194

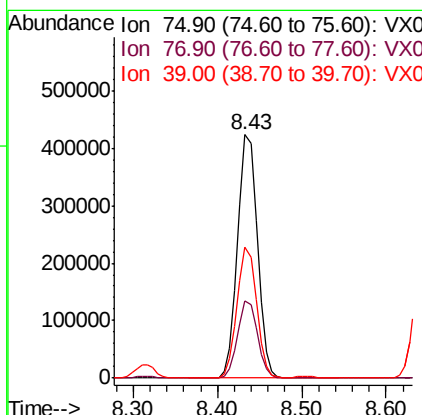
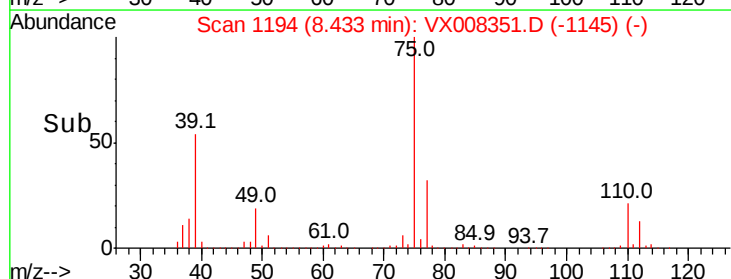
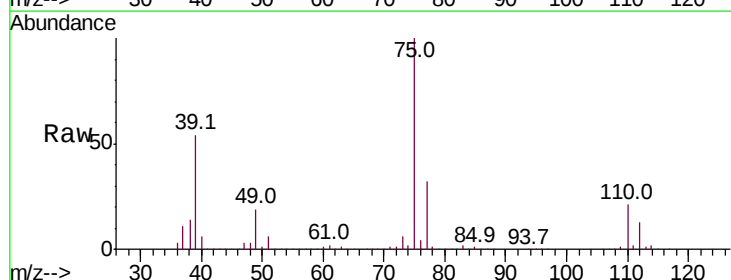
Delta R.T. 0.00 min

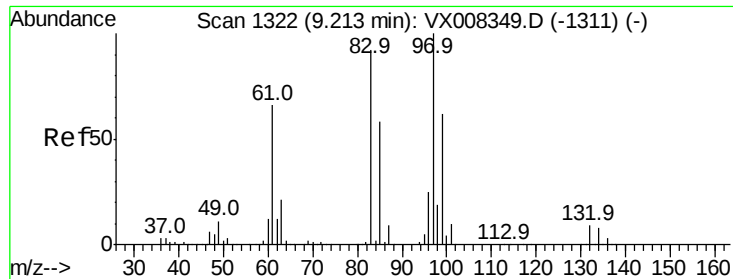
Lab File: VX008351.D

Acq: 23 Mar 2019 15:05

Tgt Ion: 75 Resp: 667974

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.0	37.6
39	53.8	36.6	54.8





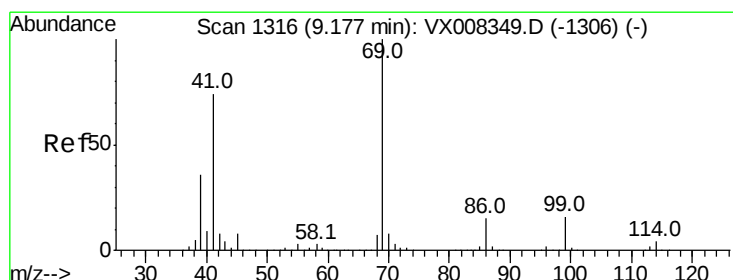
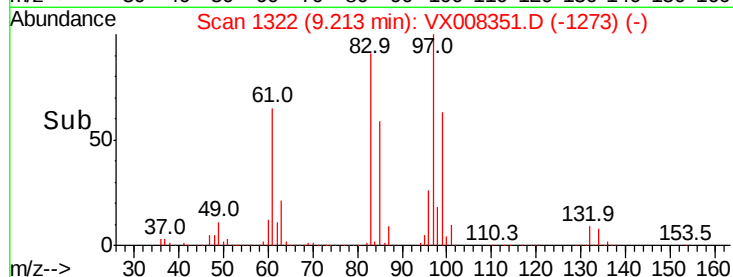
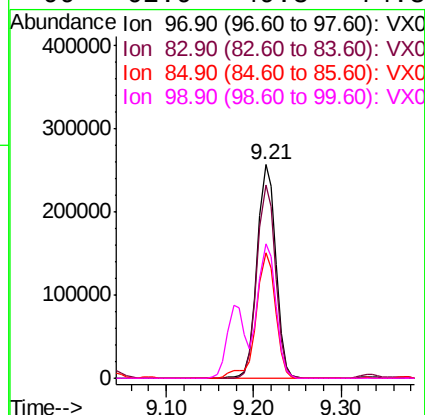
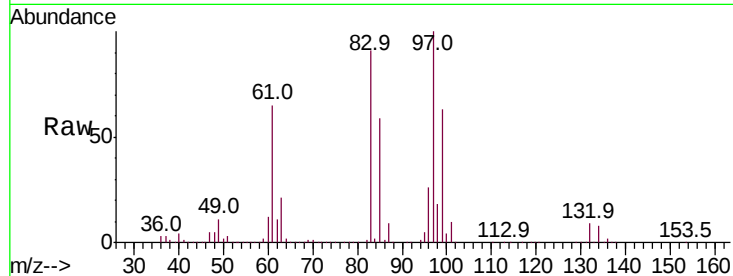
#55
 1,1,2-Trichloroethane
 Concen: 133.665 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX008351.D
 Acq: 23 Mar 2019 15:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
97	100	379084		
83	90.7	69.1	103.7	
85	58.6	44.3	66.5	
99	62.9	49.8	74.8	

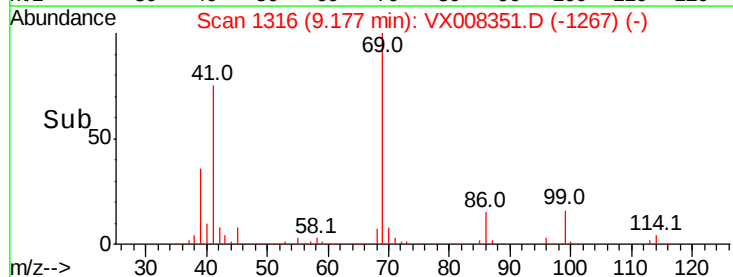
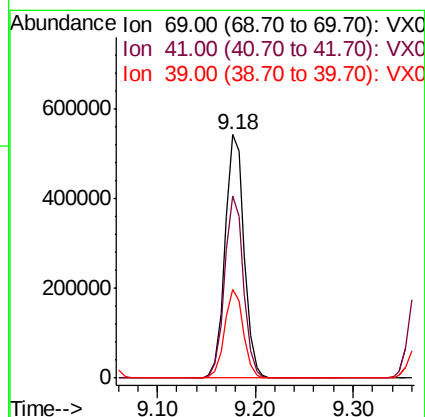
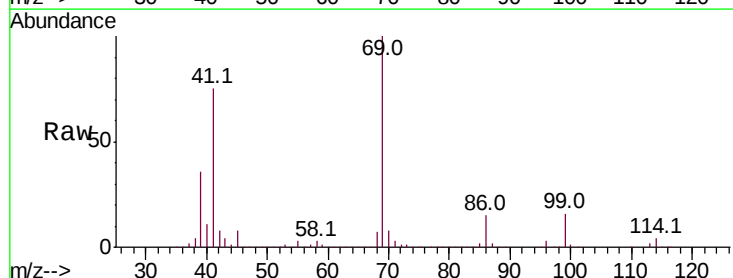
Manual Integrations
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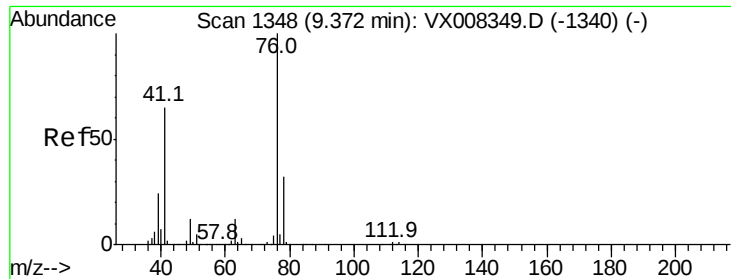
MMDadoda
 3/25/2019 11:16:55 AM



#56
 Ethyl methacrylate
 Concen: 160.731 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX008351.D
 Acq: 23 Mar 2019 15:05

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	729182		
41	74.0	54.2	81.4	
39	35.9	25.0	37.4	





#57

1,3-Dichloropropane

Concen: 135.416 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX008351.D

Acq: 23 Mar 2019 15:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tot Ion: 76 Resp: 679389

Ion Ratio Lower Upper

76 100

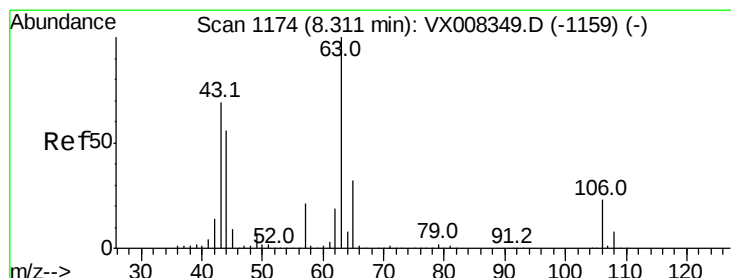
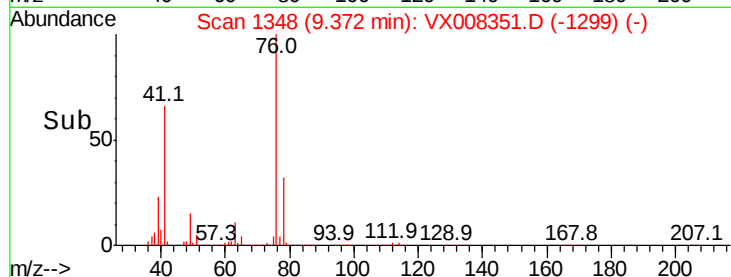
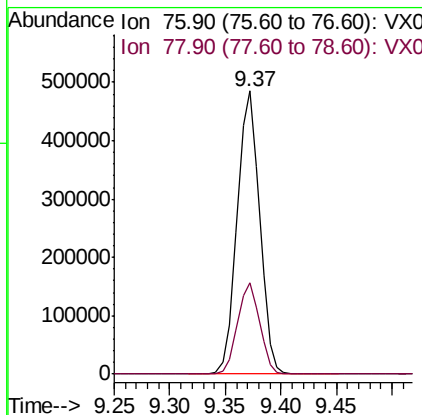
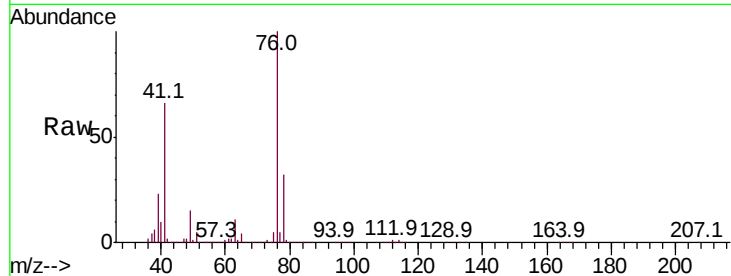
78 31.9 25.5 38.3

Manual Integrations

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3/25/2019 11:16:55 AM



#58

2-Chloroethyl Vinyl ether

Concen: 820.823 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. 0.01 min

Lab File: VX008351.D

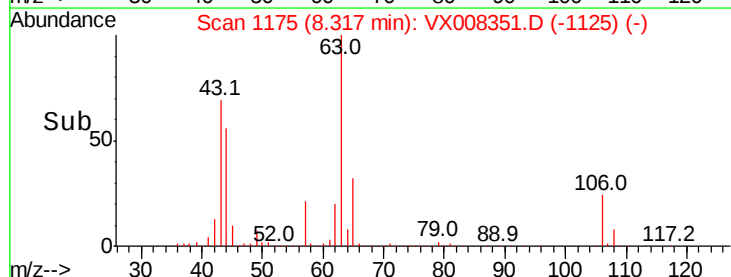
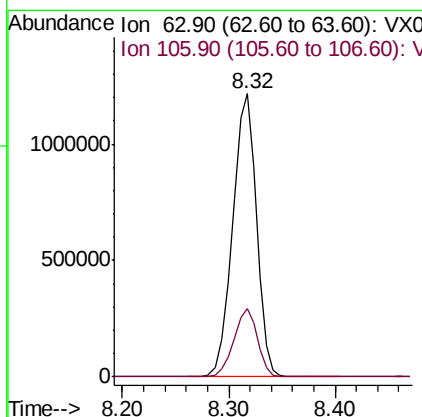
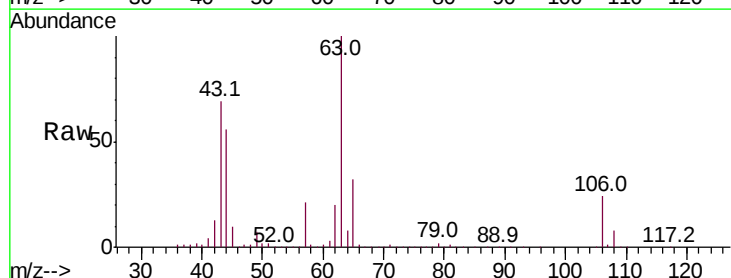
Acq: 23 Mar 2019 15:05

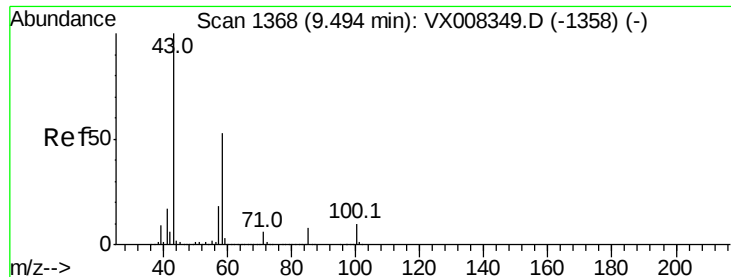
Tgt Ion: 63 Resp: 1907343

Ion Ratio Lower Upper

63 100

106 23.9 22.2 33.2





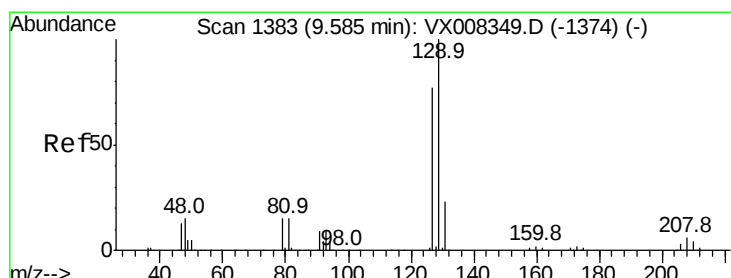
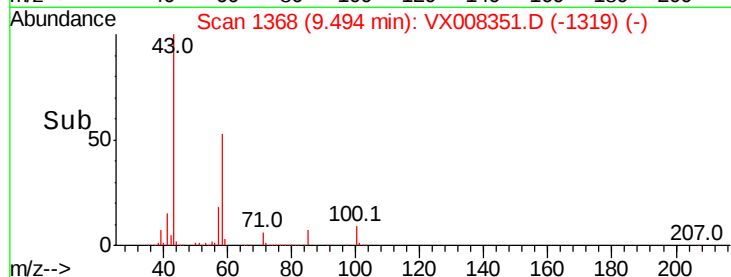
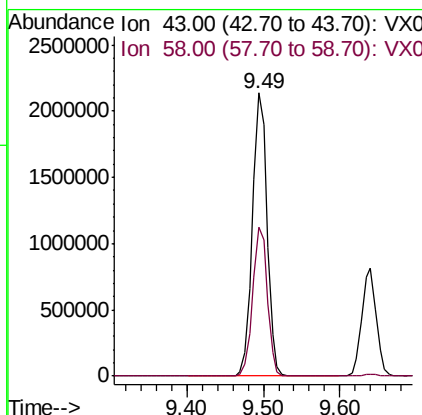
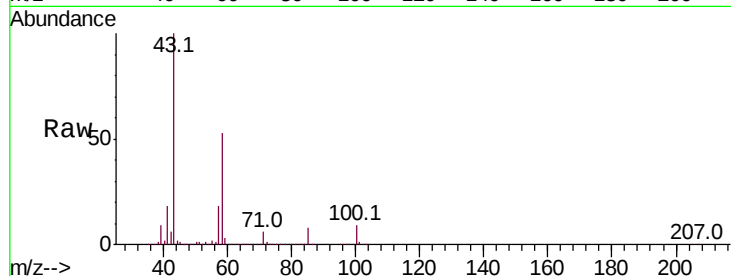
#59
2-Hexanone
Concen: 754.942 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX008351.D
Acq: 23 Mar 2019 15:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 2846123
Ion Ratio Lower Upper
43 100
58 52.8 27.6 82.7

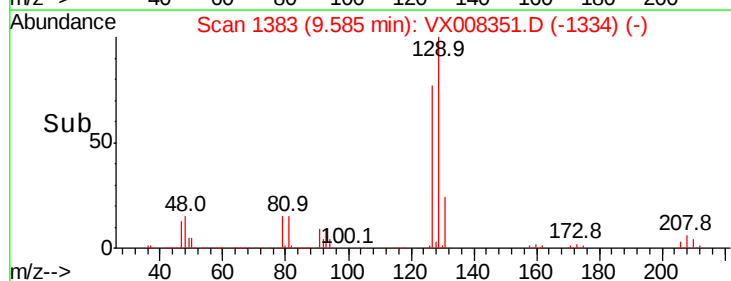
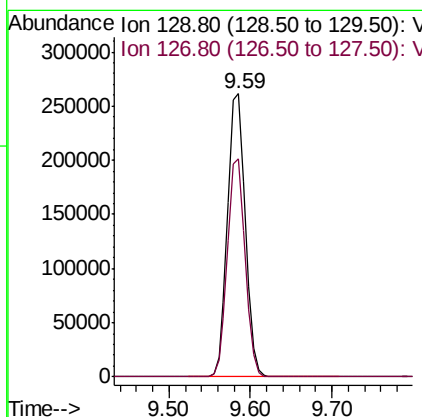
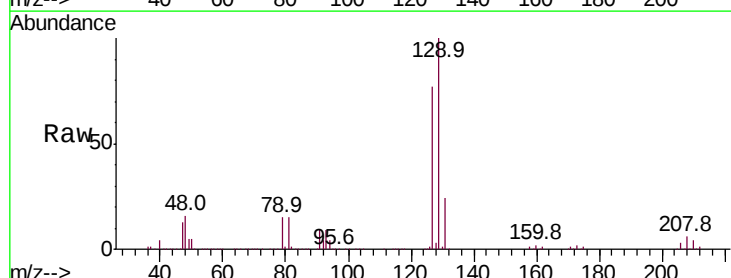
Manual Integrations
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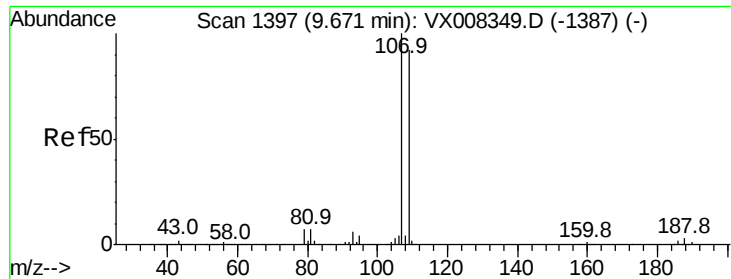
MMDadoda
3/25/2019 11:16:55 AM



#60
Dibromochloromethane
Concen: 143.360 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX008351.D
Acq: 23 Mar 2019 15:05

Tgt Ion: 129 Resp: 390745
Ion Ratio Lower Upper
129 100
127 77.0 38.3 114.8





#61

1,2-Dibromoethane

Concen: 134.446 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX008351.D

Acq: 23 Mar 2019 15:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:107 Resp: 398140

Ion Ratio Lower Upper

107 100

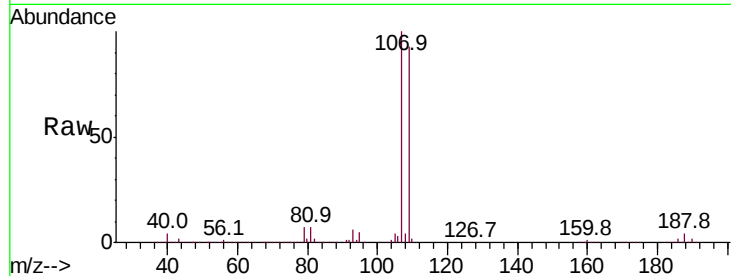
109 93.3 75.8 113.8

Manual Integrations

APPROVED

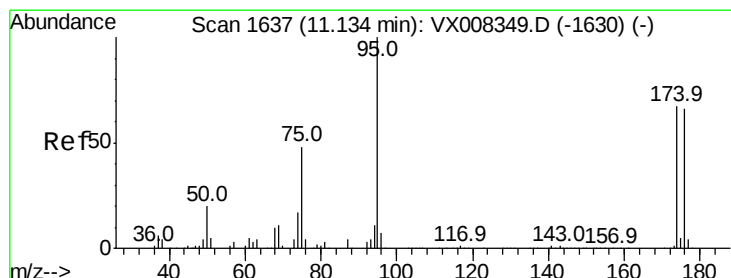
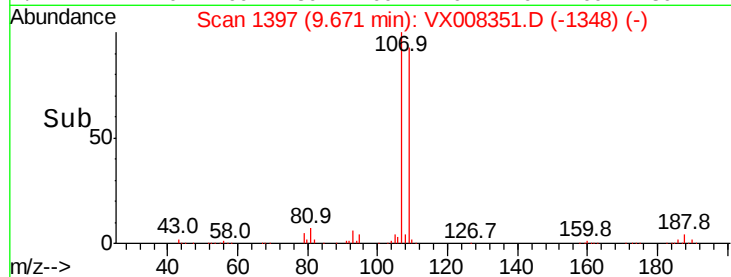
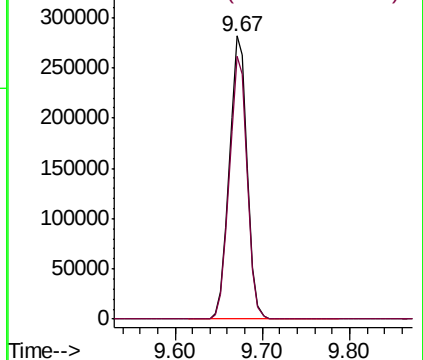
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 168.736 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008351.D

Acq: 23 Mar 2019 15:05

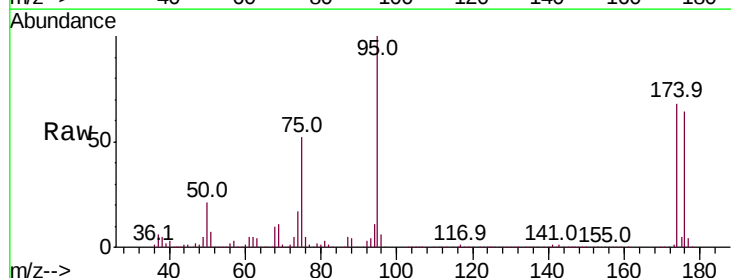
Tgt Ion: 95 Resp: 506309

Ion Ratio Lower Upper

95 100

174 74.2 0.0 182.8

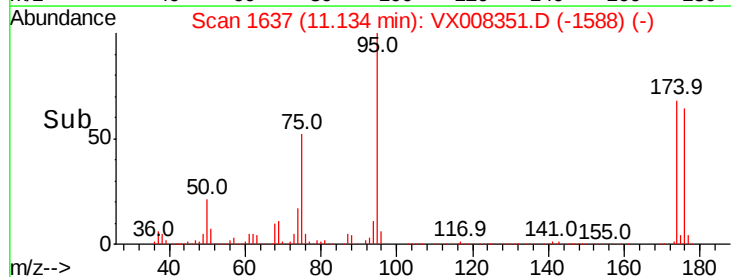
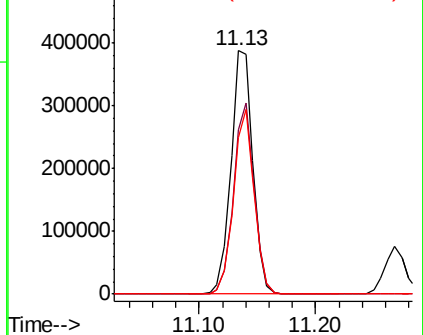
176 71.6 0.0 178.0

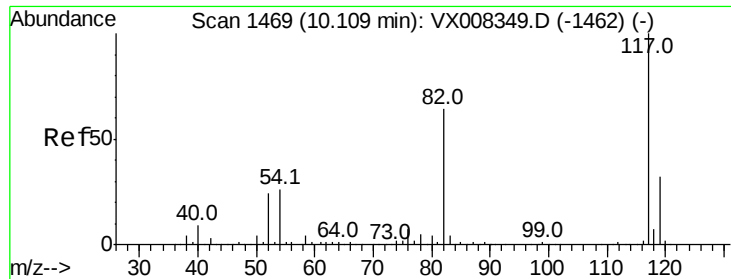


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





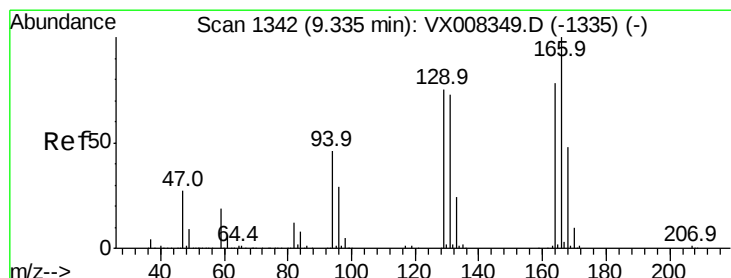
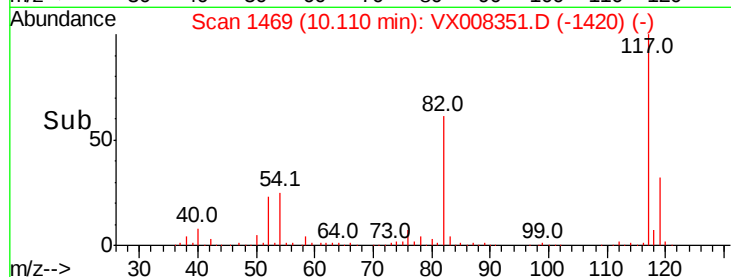
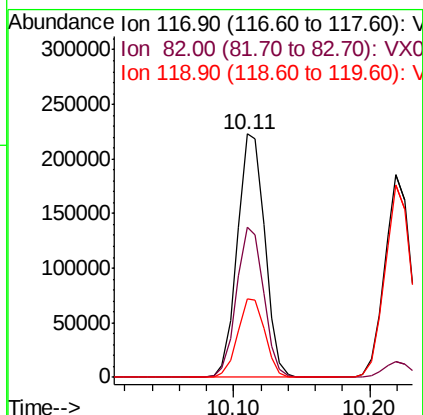
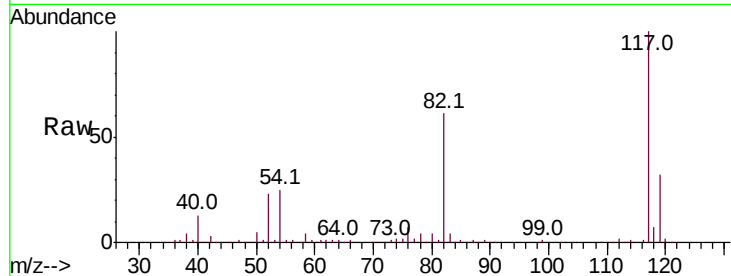
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008351.D
Acq: 23 Mar 2019 15:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.4	44.3	66.5
119	32.2	25.3	37.9

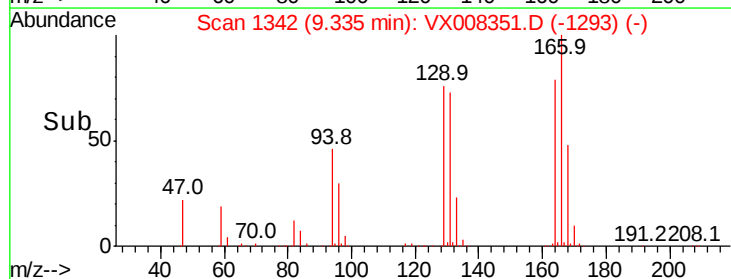
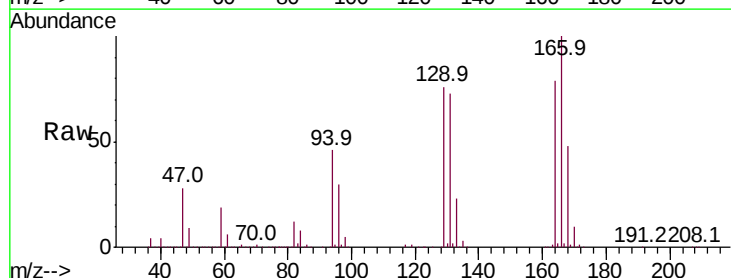
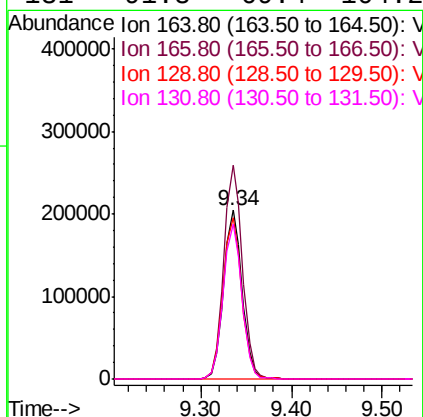
Manual Integrations
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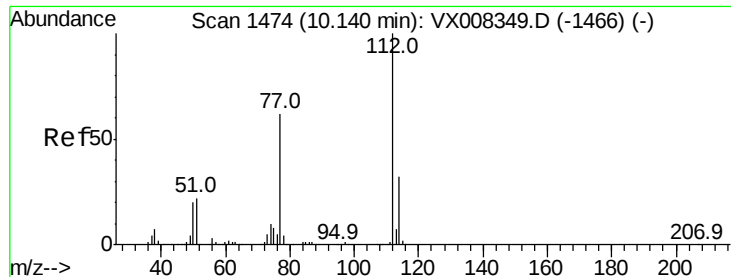
MMDadoda
3/25/2019 11:16:55 AM



#64
Tetrachloroethene
Concen: 102.797 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX008351.D
Acq: 23 Mar 2019 15:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.5	103.4	155.0
129	95.9	72.2	108.4
131	91.8	69.4	104.2





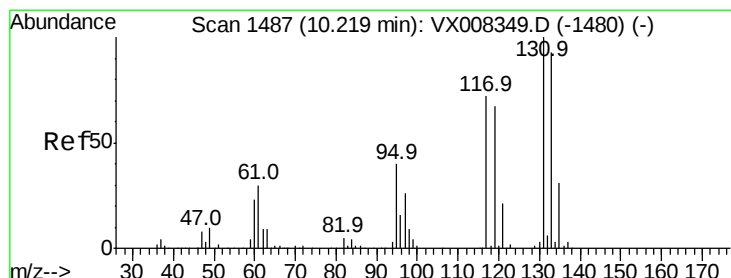
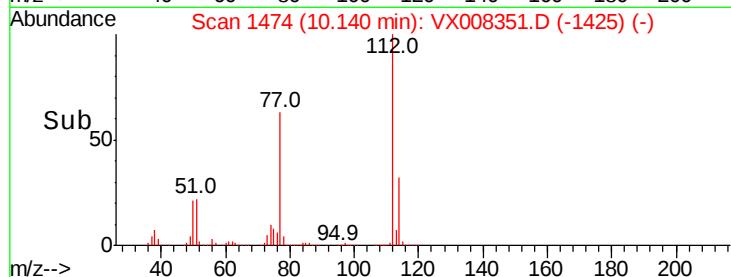
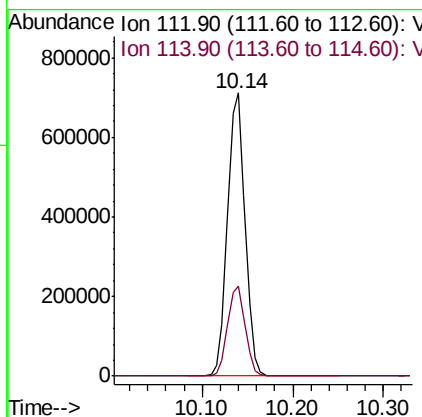
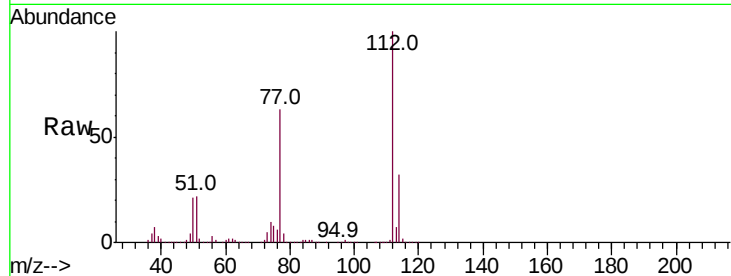
#65
Chlorobenzene
Concen: 123.810 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX008351.D
Acq: 23 Mar 2019 15:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 955443
Ion Ratio Lower Upper
112 100
114 31.8 26.0 39.0

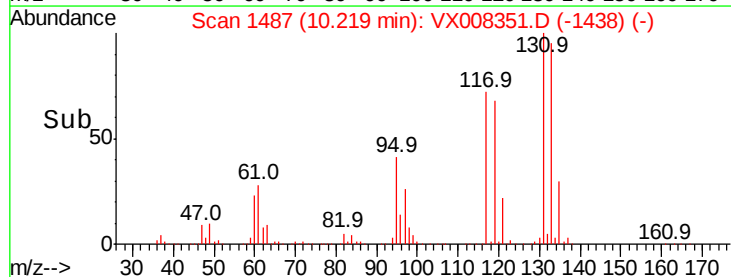
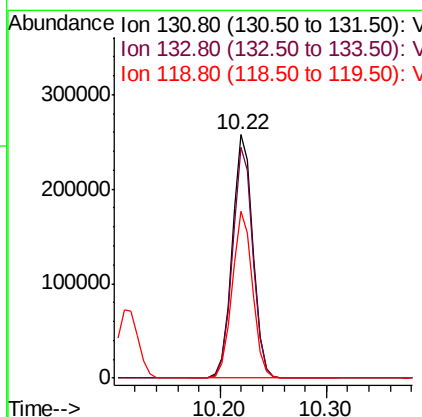
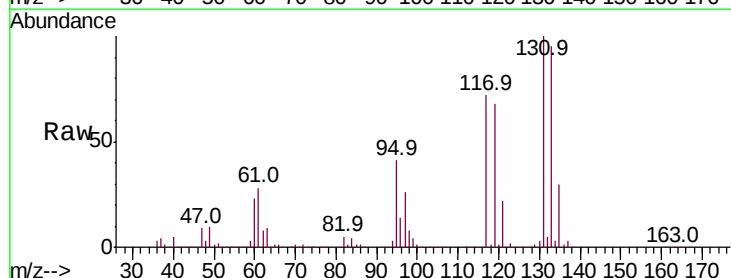
Manual Integrations
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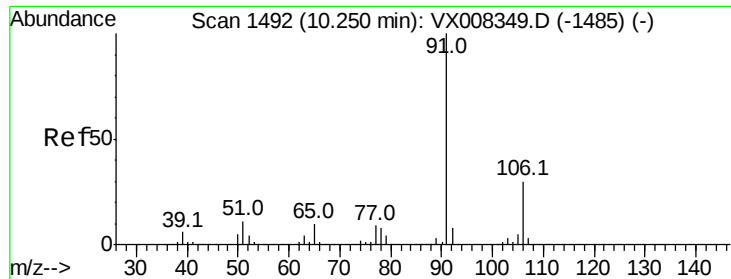
MMDadoda
3/25/2019 11:16:55 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 129.374 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX008351.D
Acq: 23 Mar 2019 15:05

Tgt Ion:131 Resp: 348096
Ion Ratio Lower Upper
131 100
133 94.1 47.8 143.3
119 67.8 32.5 97.5





#67

Ethyl Benzene

Concen: 132.750 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX008351.D

Acq: 23 Mar 2019 15:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1805266

Ion Ratio Lower Upper

91 100

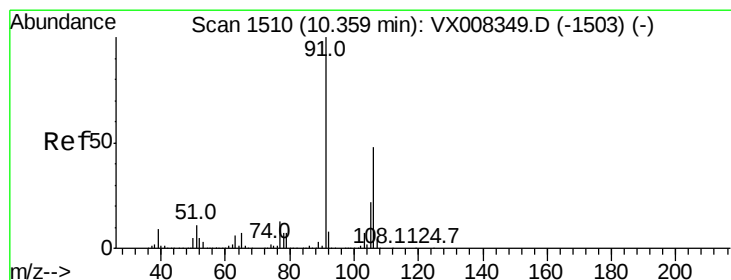
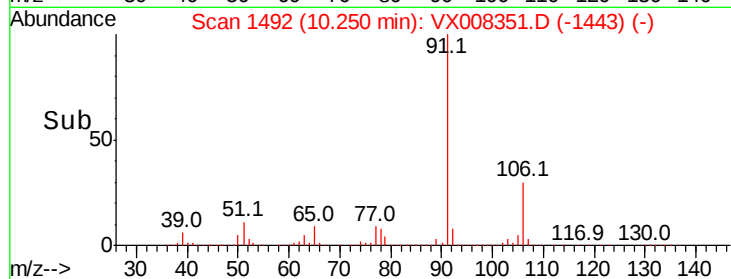
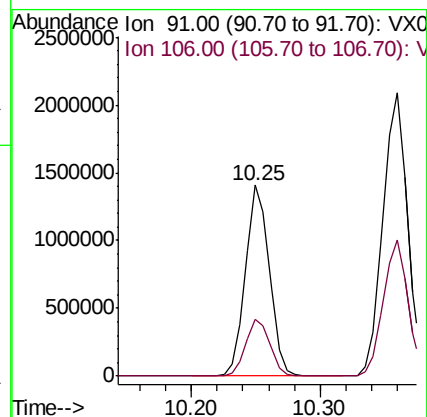
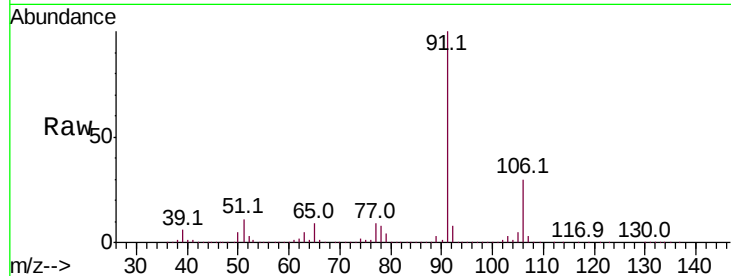
106 29.9 25.2 37.8

Manual Integrations

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#68

m/p-Xylenes

Concen: 264.722 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX008351.D

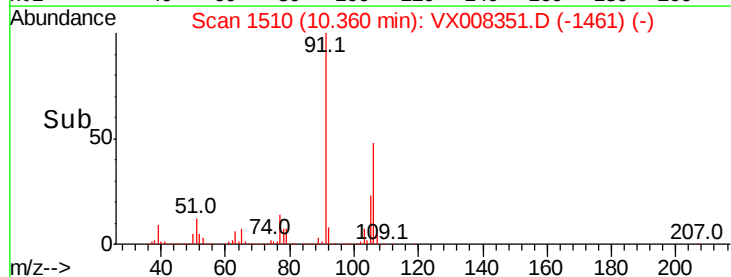
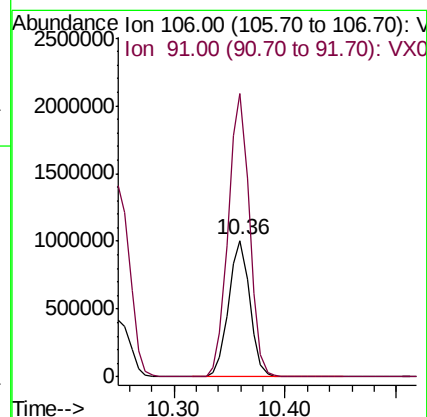
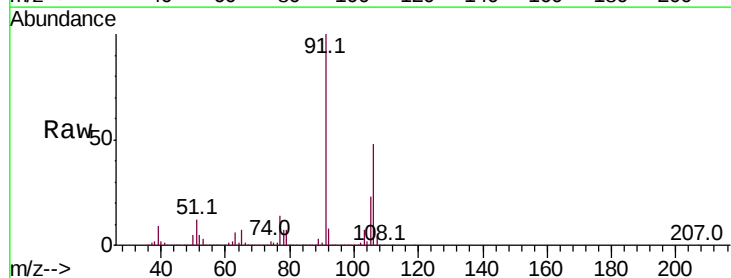
Acq: 23 Mar 2019 15:05

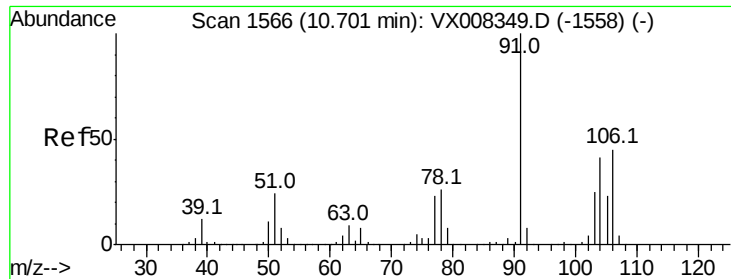
Tgt Ion: 106 Resp: 1322399

Ion Ratio Lower Upper

106 100

91 208.6 159.8 239.6





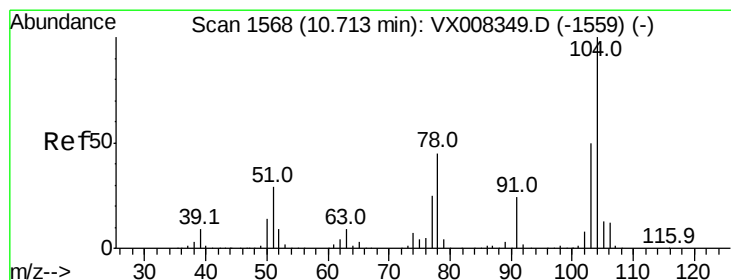
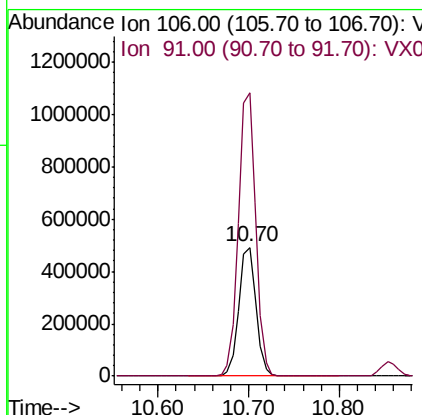
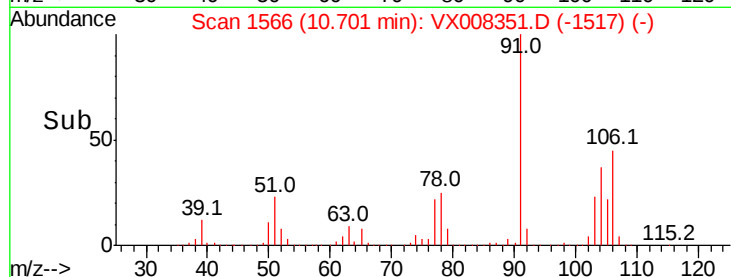
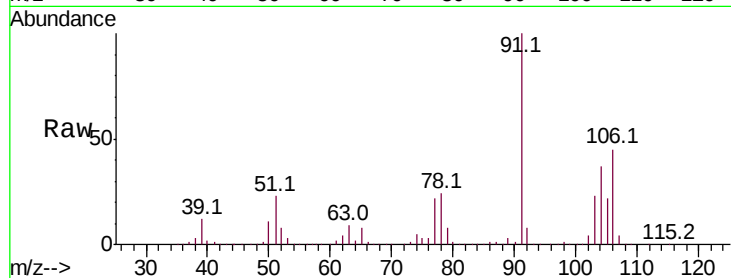
#69
o-Xylene
Concen: 133.208 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX008351.D
Acq: 23 Mar 2019 15:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 646601
Ion Ratio Lower Upper
106 100
91 221.4 106.3 318.9

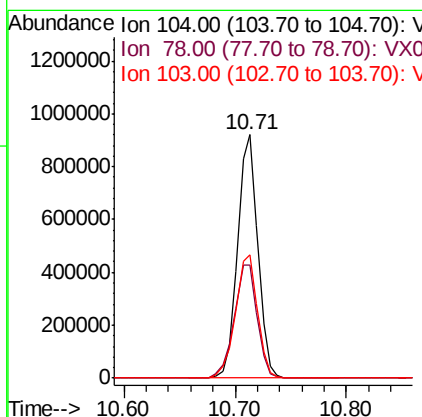
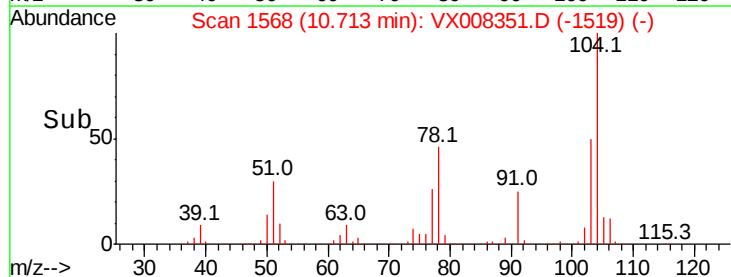
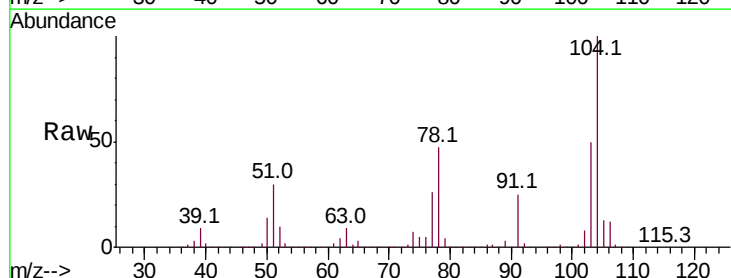
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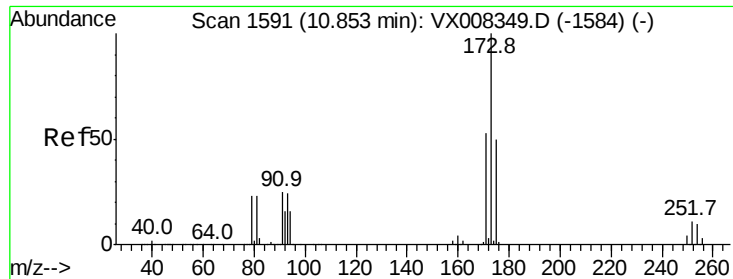
MMDadoda
3/25/2019 11:16:55 AM



#70
Styrene
Concen: 146.667 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX008351.D
Acq: 23 Mar 2019 15:05

Tgt Ion:104 Resp: 1157010
Ion Ratio Lower Upper
104 100
78 52.9 38.5 57.7
103 55.3 44.1 66.1





#71

Bromoform

Concen: 145.459 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX008351.D

Acq: 23 Mar 2019 15:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:173 Resp: 297706

Ion Ratio Lower Upper

173 100

175 48.3 24.3 72.9

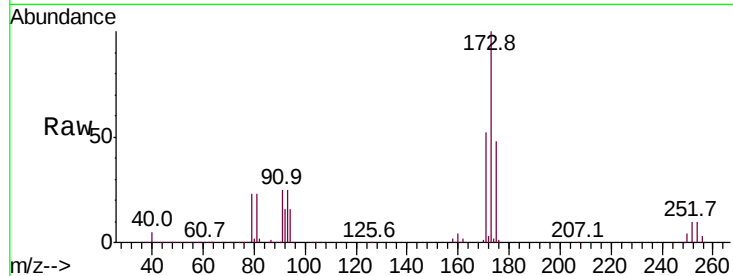
254 0.2 0.1 0.1#

Manual Integrations

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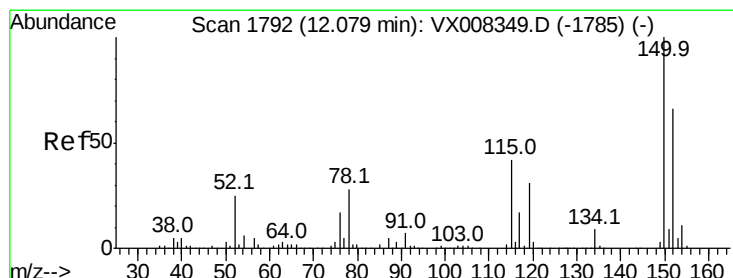
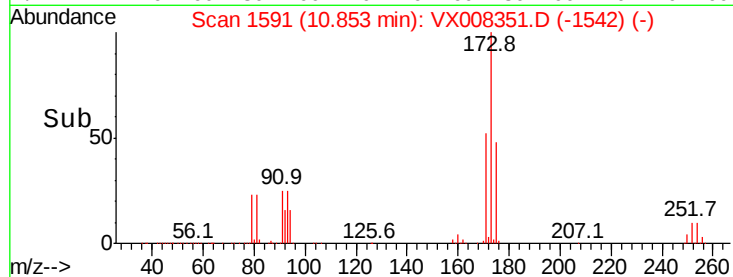
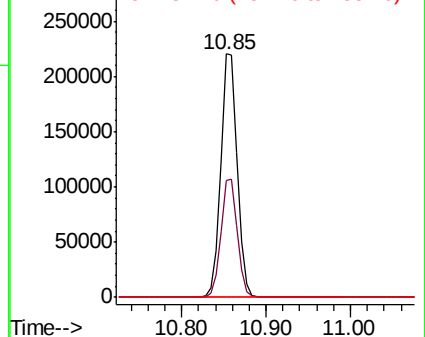
3/25/2019 11:16:55 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008351.D

Acq: 23 Mar 2019 15:05

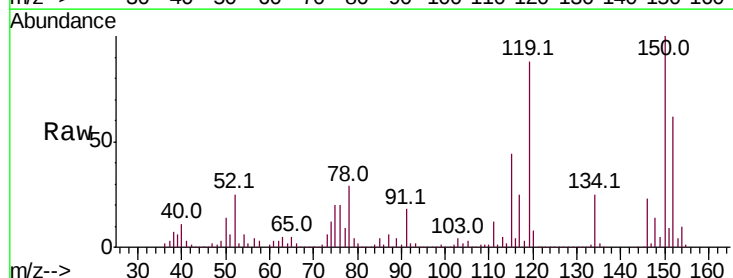
Tgt Ion:152 Resp: 154242

Ion Ratio Lower Upper

152 100

115 135.7 38.6 115.7#

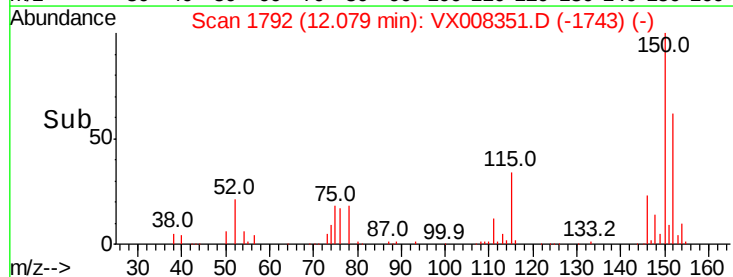
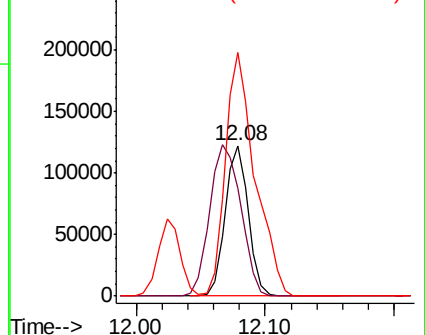
150 206.8 0.0 348.4

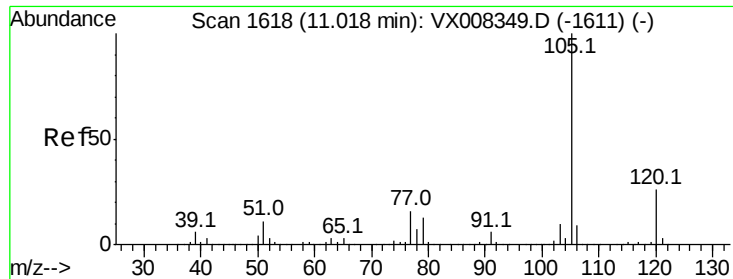


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 123.274 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX008351.D

Acq: 23 Mar 2019 15:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1694821

Ion Ratio Lower Upper

105 100

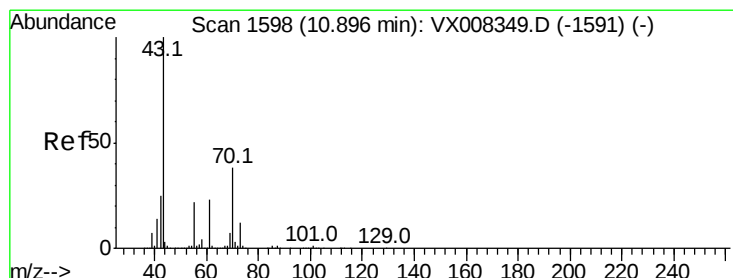
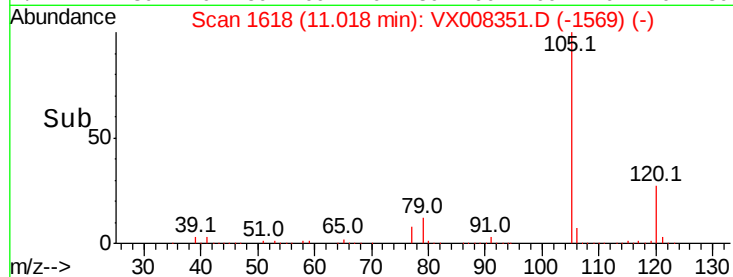
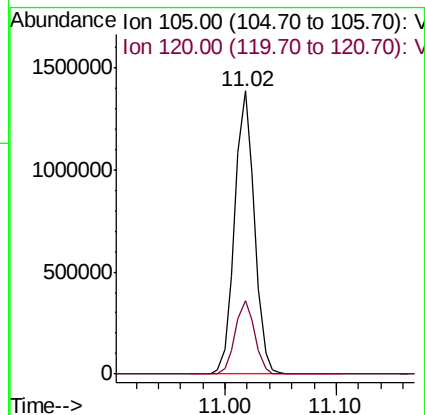
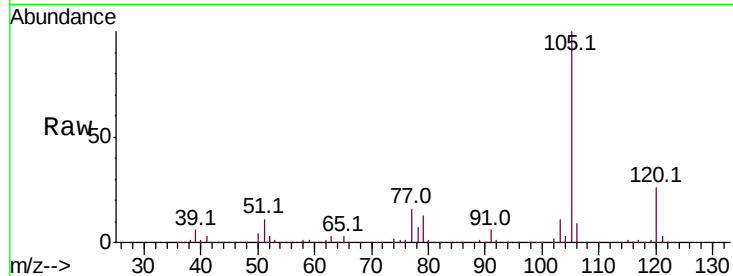
120 25.7 13.4 40.1

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#74

N-ethyl acetate

Concen: 149.199 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX008351.D

Acq: 23 Mar 2019 15:05

Tgt Ion: 43 Resp: 1074707

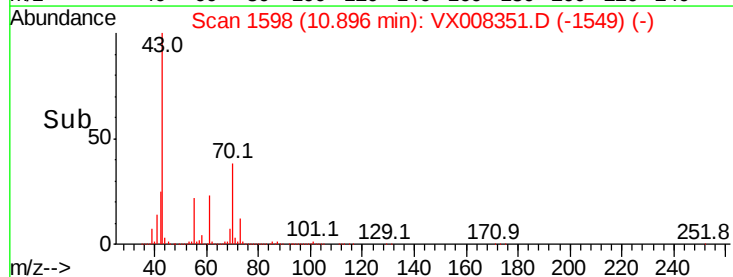
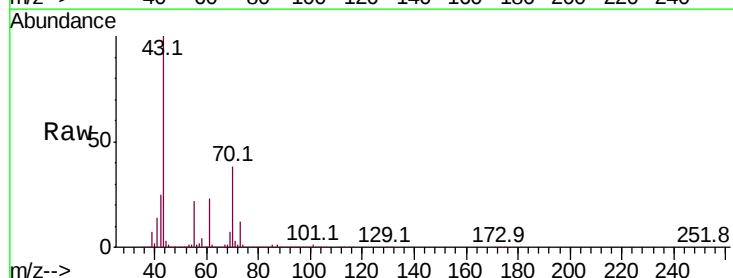
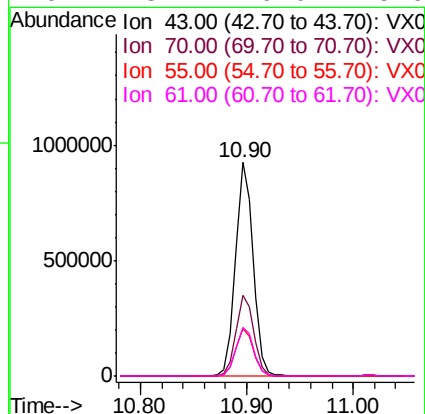
Ion Ratio Lower Upper

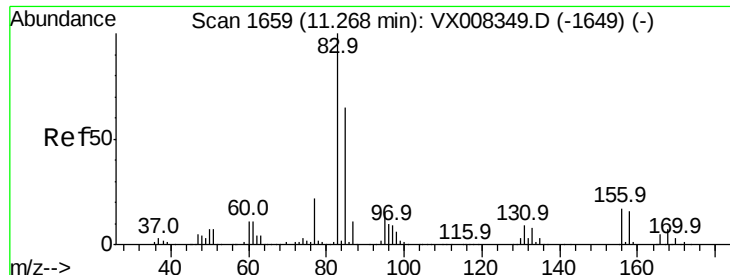
43 100

70 38.2 33.5 50.3

55 22.3 19.2 28.8

61 23.2 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 135.891 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX008351.D

Acq: 23 Mar 2019 15:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 669928

Ion Ratio Lower Upper

83 100

131 8.9 5.4 16.2

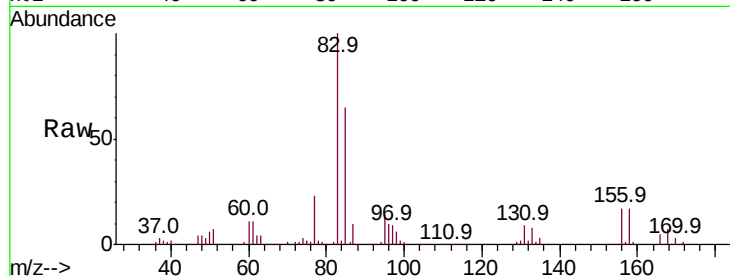
85 64.0 32.3 96.8

Manual Integrations

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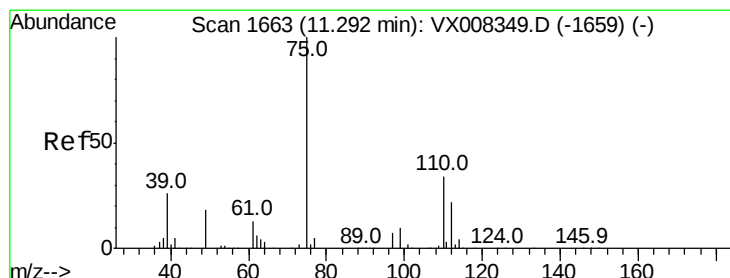
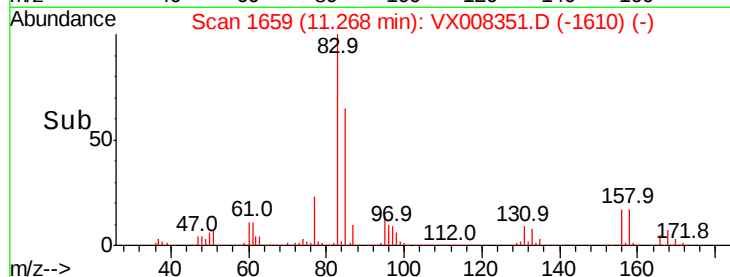
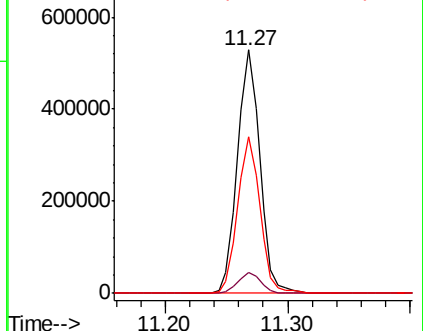
3/25/2019 11:16:55 AM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 124.854 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. 0.01 min

Lab File: VX008351.D

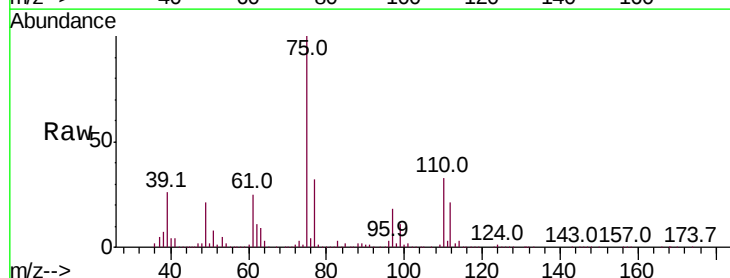
Acq: 23 Mar 2019 15:05

Tgt Ion: 75 Resp: 541644

Ion Ratio Lower Upper

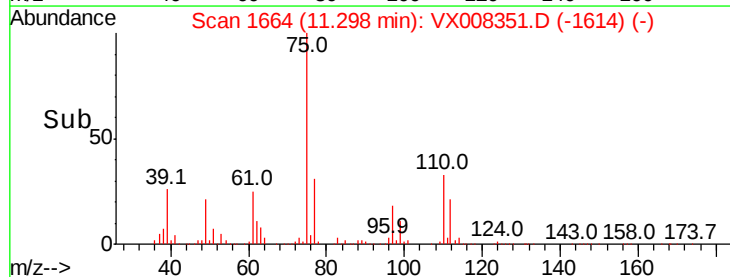
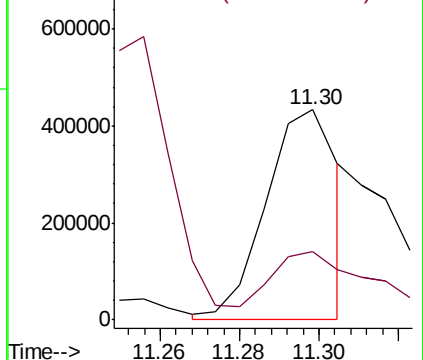
75 100

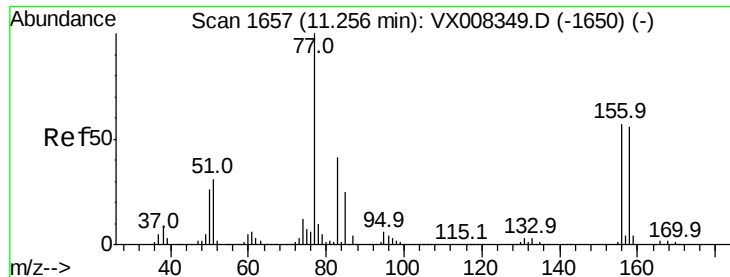
77 45.9 18.9 56.7



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 122.514 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX008351.D

Acq: 23 Mar 2019 15:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:156 Resp: 407251

Ion Ratio Lower Upper

156 100

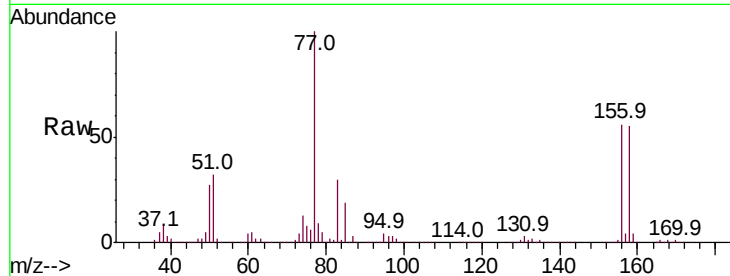
77 187.0 72.0 215.9

158 97.6 48.6 145.9

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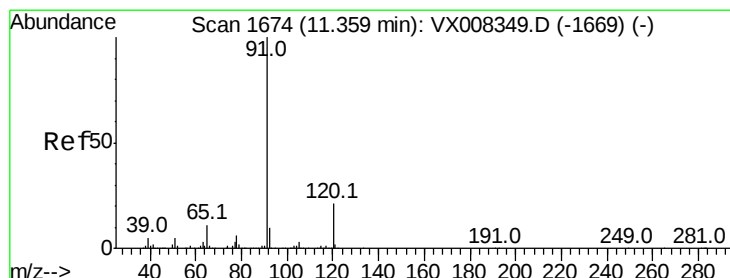
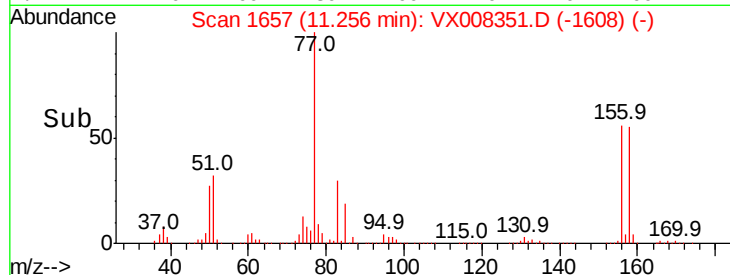
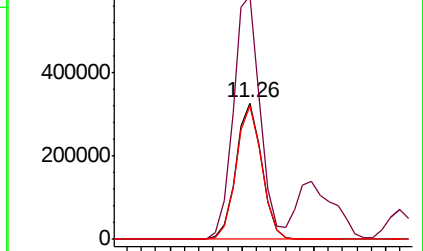
3/25/2019 11:16:55 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 127.794 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008351.D

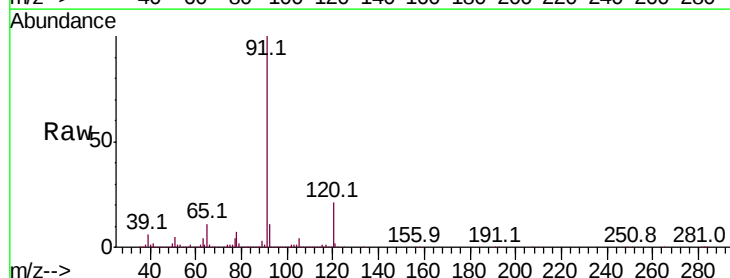
Acq: 23 Mar 2019 15:05

Tgt Ion: 91 Resp: 2040647

Ion Ratio Lower Upper

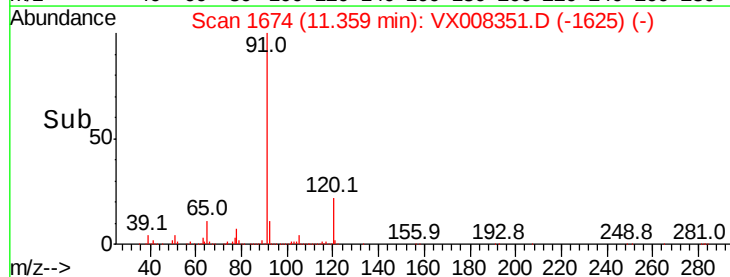
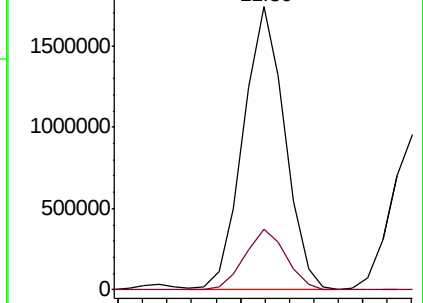
91 100

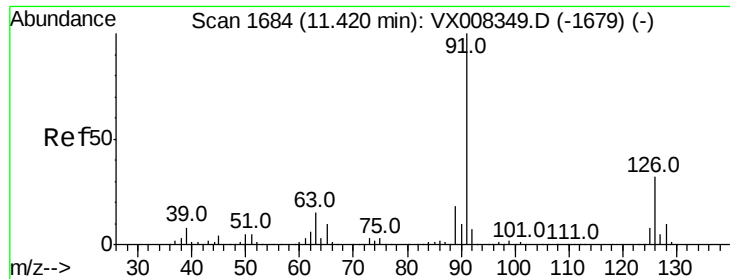
120 21.7 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 124.655 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX008351.D

Acq: 23 Mar 2019 15:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1194723

Ion Ratio Lower Upper

91 100

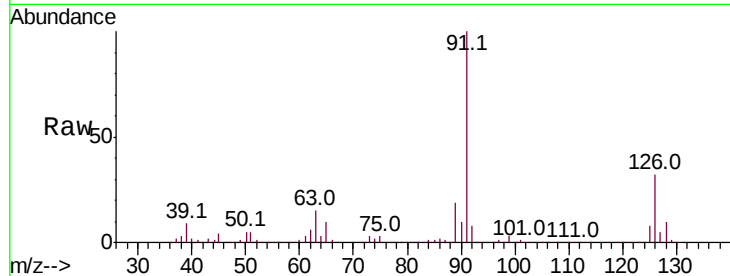
126 31.8 17.5 52.6

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX008349.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX008349.D (-1679) (-)

2000000

1500000

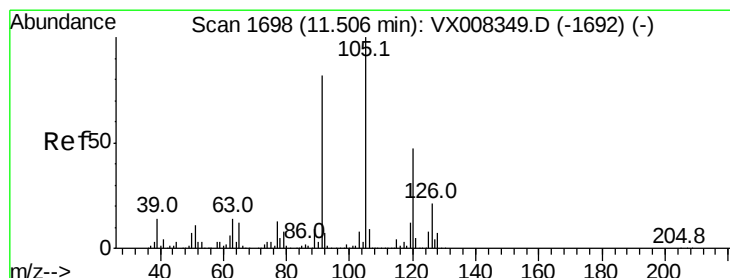
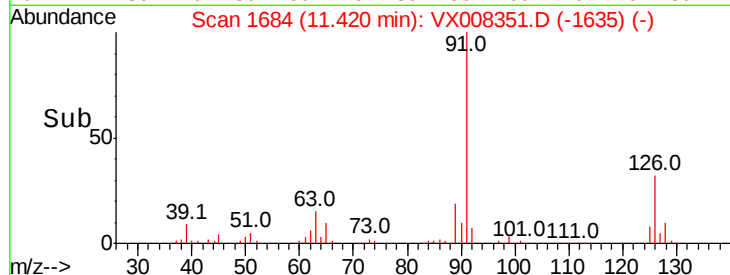
1000000

500000

0

11.40 11.42 11.44

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 129.864 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008351.D

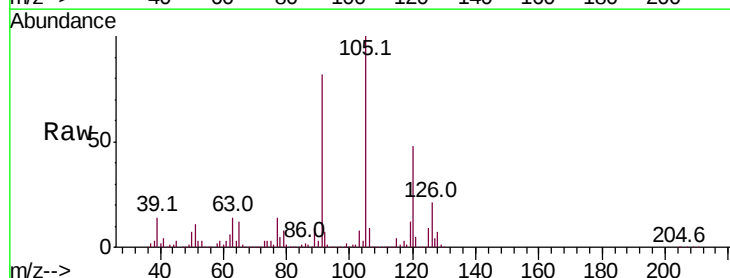
Acq: 23 Mar 2019 15:05

Tgt Ion:105 Resp: 1475052

Ion Ratio Lower Upper

105 100

120 47.9 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VX008349.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX008349.D (-1692) (-)

1500000

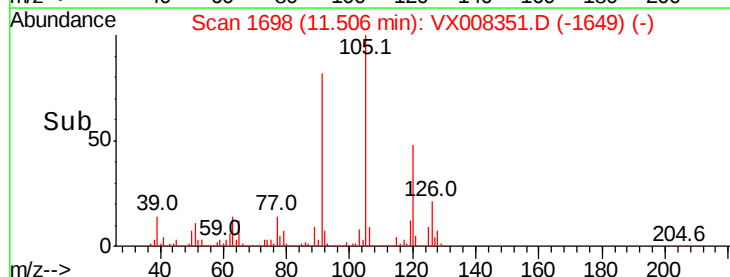
1000000

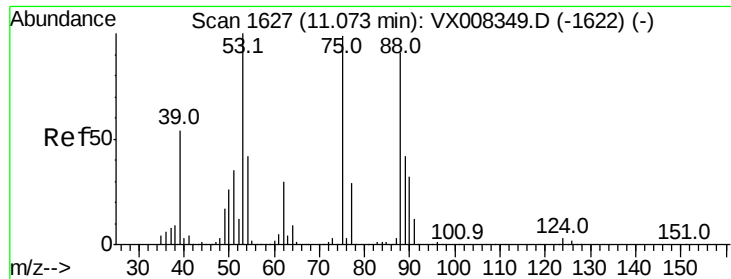
500000

0

11.45 11.50 11.55 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 161.595 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX008351.D

Acq: 23 Mar 2019 15:05

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion: 75 Resp: 245089

Ion Ratio Lower Upper

75 100

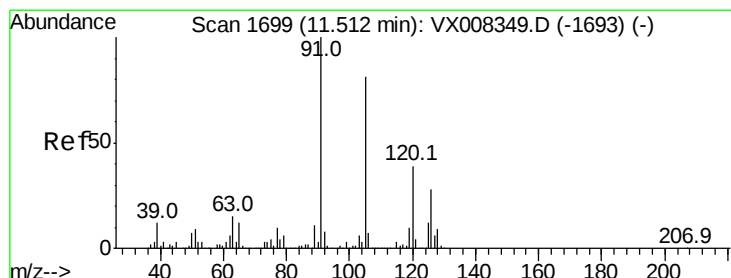
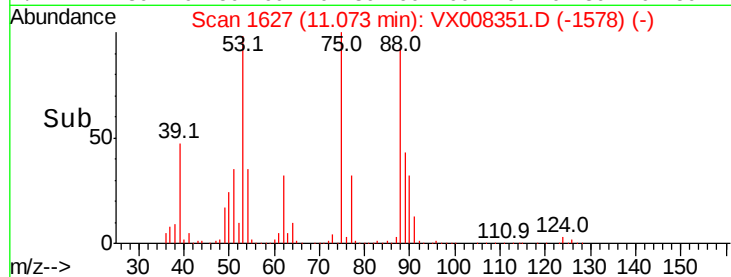
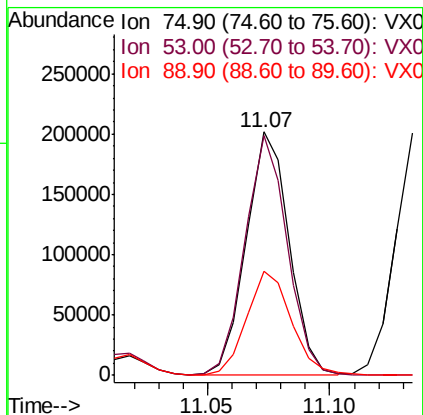
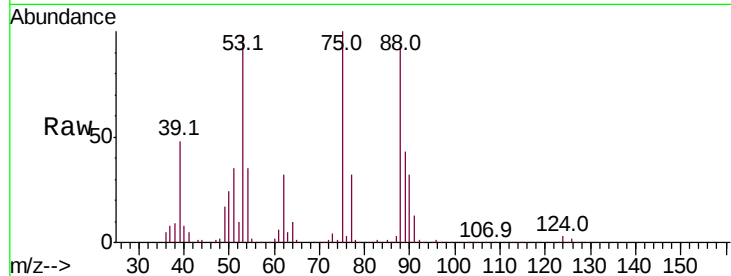
53 97.3 76.1 114.1

89 45.0 36.3 54.5

Manual Integrations
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#82

4-Chlorotoluene

Concen: 128.629 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX008351.D

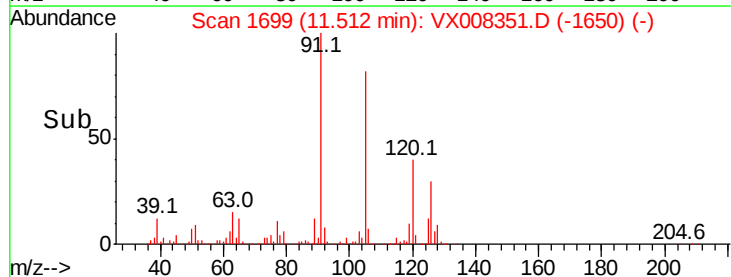
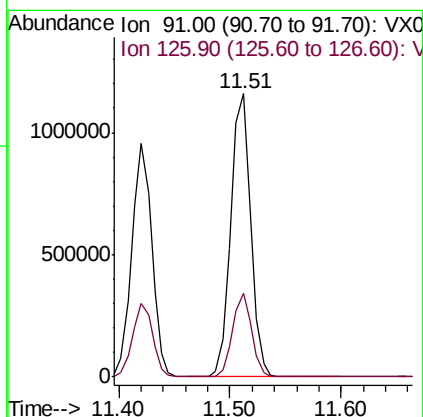
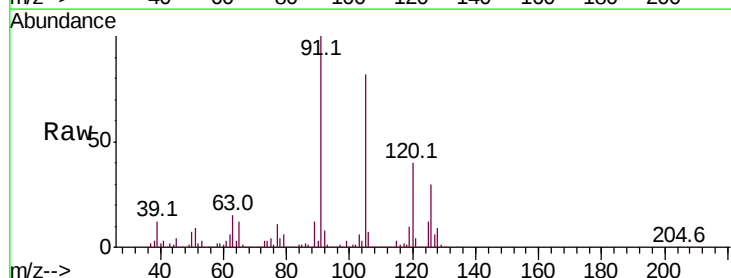
Acq: 23 Mar 2019 15:05

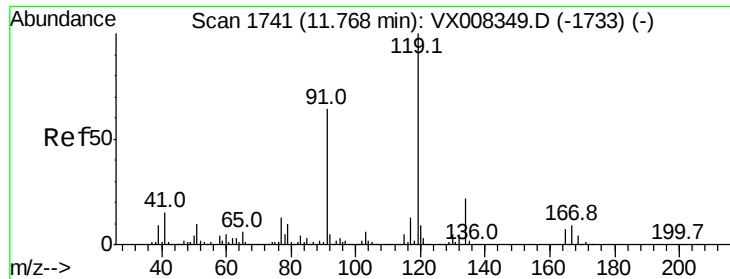
Tgt Ion: 91 Resp: 1434578

Ion Ratio Lower Upper

91 100

126 28.3 15.6 46.8





#83

tert-Butylbenzene

Concen: 131.749 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX008351.D

Acq: 23 Mar 2019 15:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:119 Resp: 1428716

Ion Ratio Lower Upper

119 100

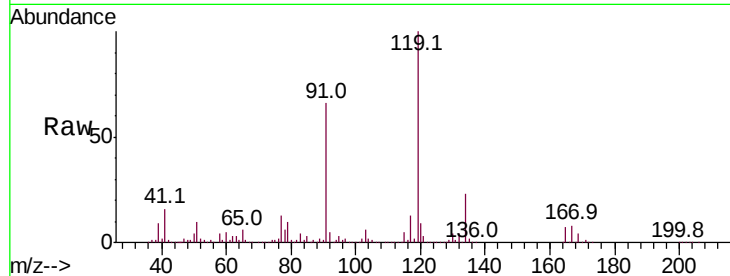
91 58.8 27.1 81.3

134 21.5 11.4 34.1

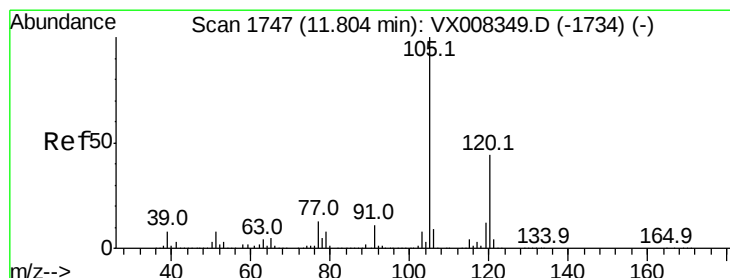
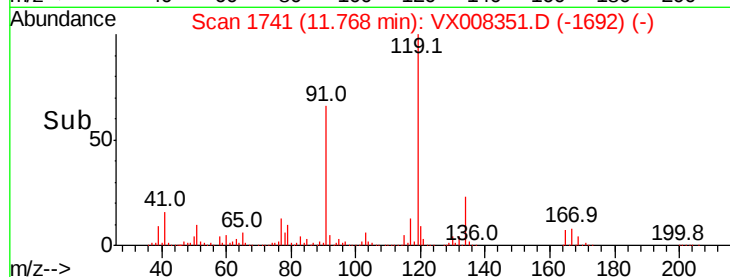
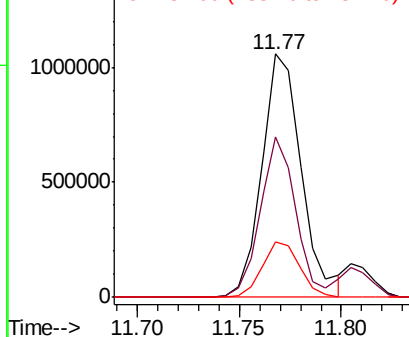
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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VX0
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 129.253 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX008351.D

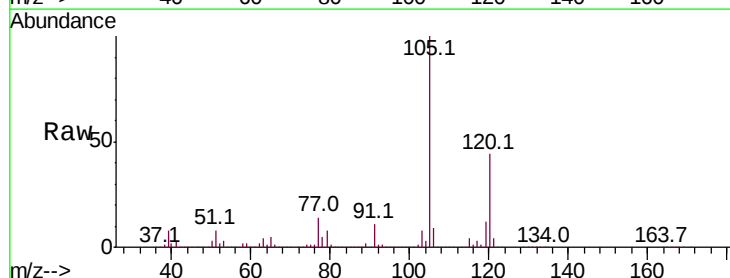
Acq: 23 Mar 2019 15:05

Tgt Ion:105 Resp: 1488336

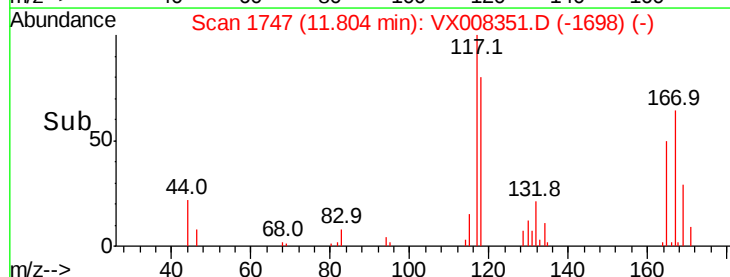
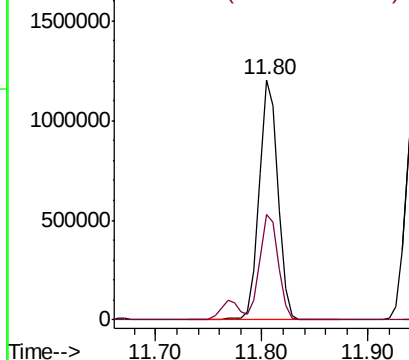
Ion Ratio Lower Upper

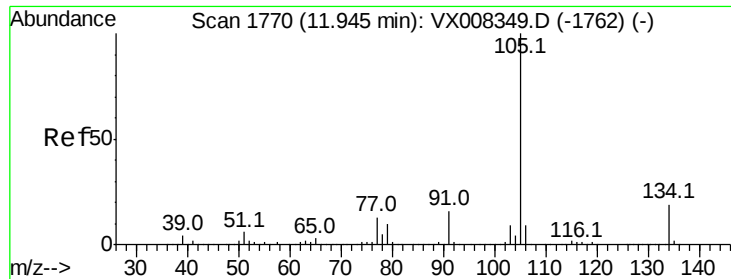
105 100

120 43.5 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 125.557 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX008351.D

Acq: 23 Mar 2019 15:05

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1686132

Ion Ratio Lower Upper

105 100

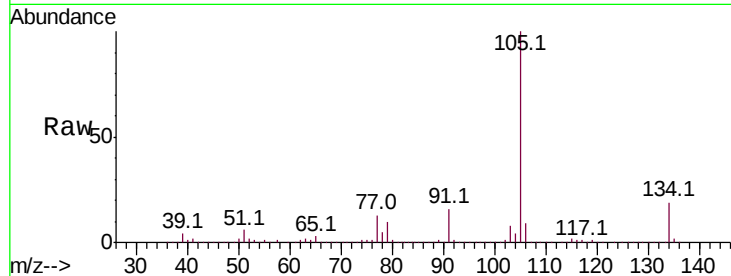
134 19.0 10.4 31.2

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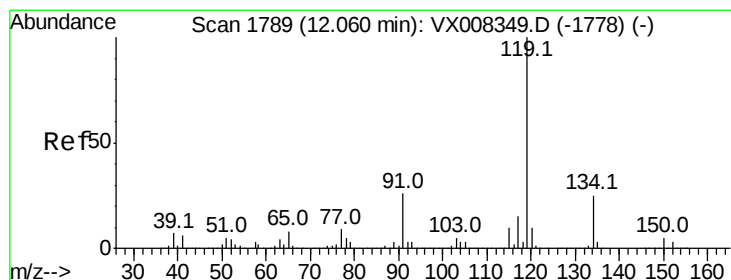
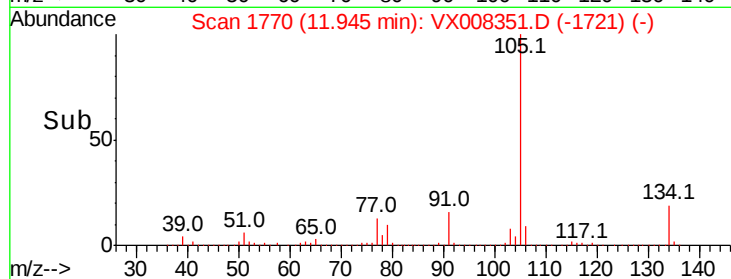
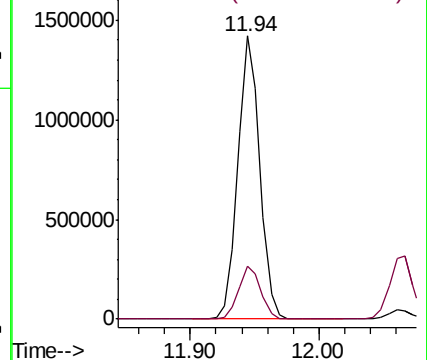
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 132.409 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX008351.D

Acq: 23 Mar 2019 15:05

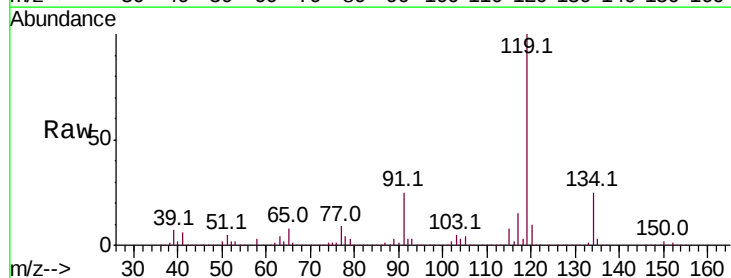
Tgt Ion:119 Resp: 1539173

Ion Ratio Lower Upper

119 100

134 25.5 13.3 39.9

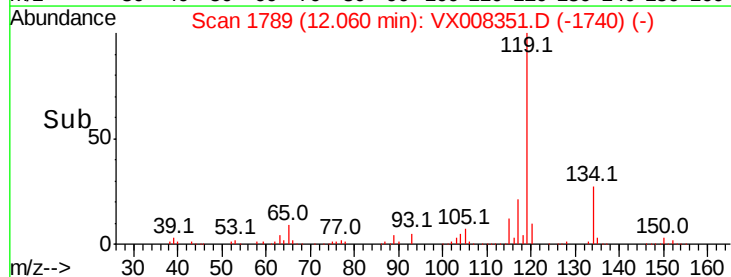
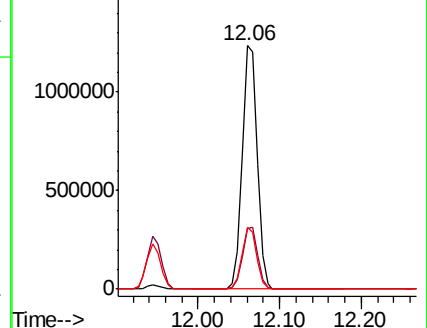
91 24.5 10.9 32.7

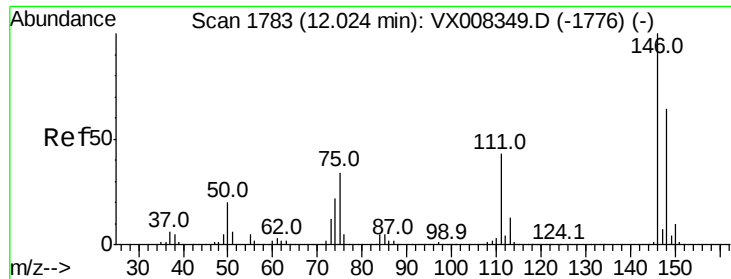


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





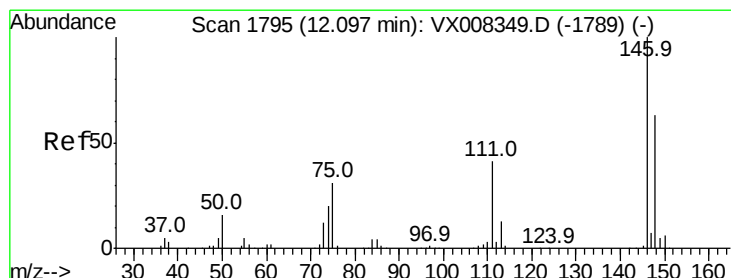
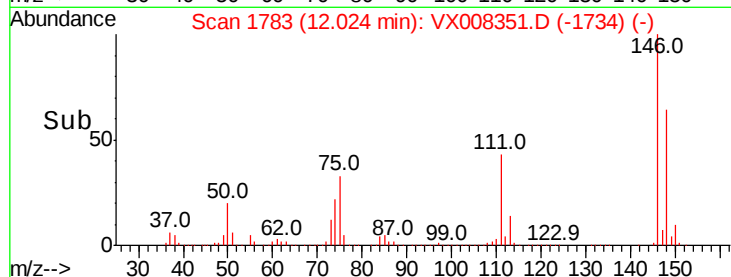
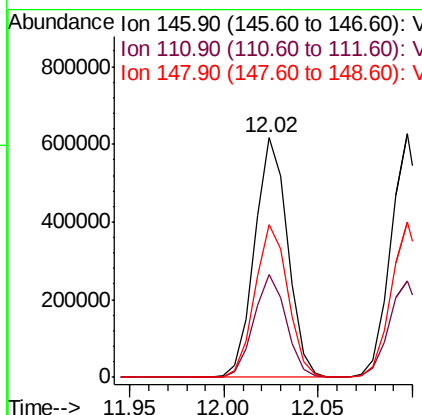
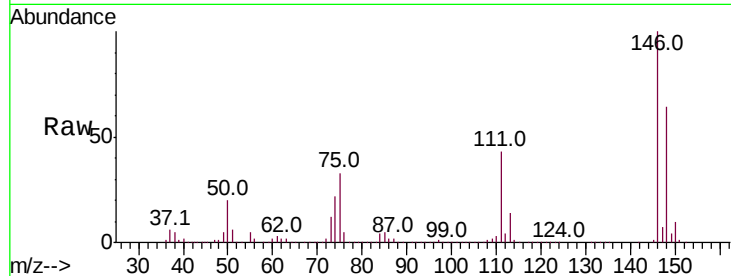
#87
 1,3-Dichlorobenzene
 Concen: 125.917 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX008351.D
 Acq: 23 Mar 2019 15:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	18.9	56.7
148	63.8	31.7	95.1

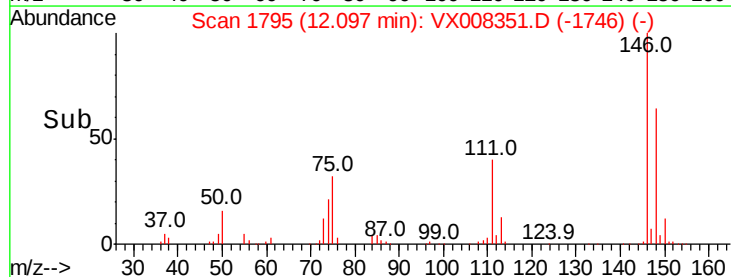
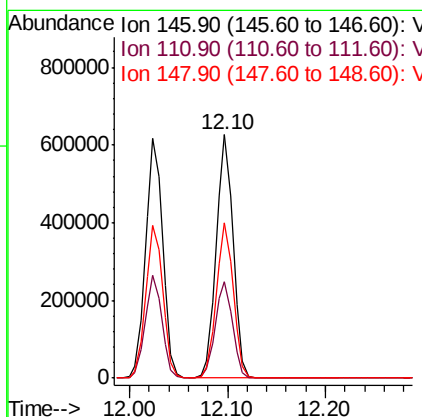
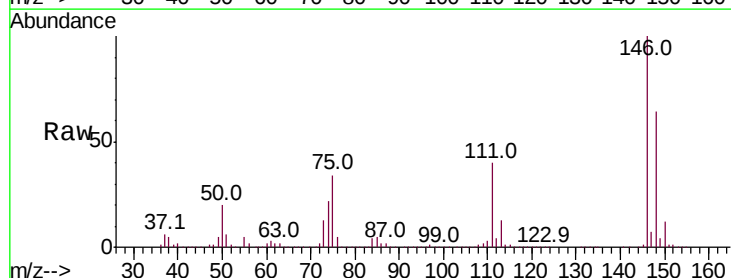
Manual Integrations
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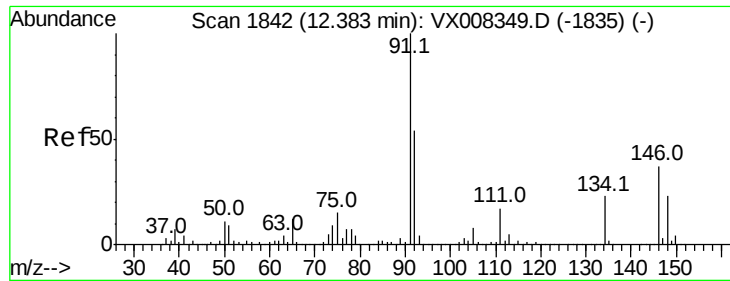
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#88
 1,4-Dichlorobenzene
 Concen: 122.279 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX008351.D
 Acq: 23 Mar 2019 15:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	18.4	55.0
148	63.8	32.2	96.6





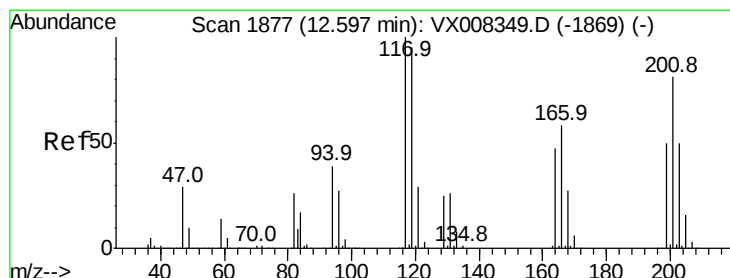
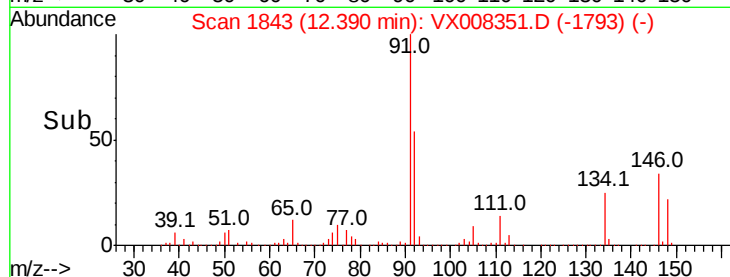
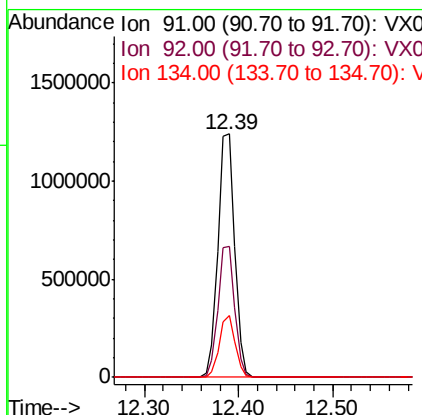
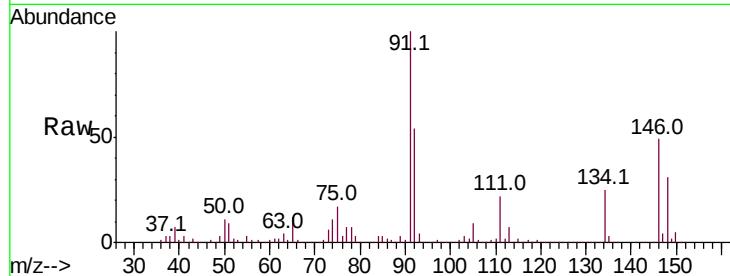
#89
n-Butylbenzene
Concen: 139.964 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.01 min
Lab File: VX008351.D
Acq: 23 Mar 2019 15:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 1527055
Ion Ratio Lower Upper
91 100
92 53.6 27.0 80.8
134 24.0 13.7 41.0

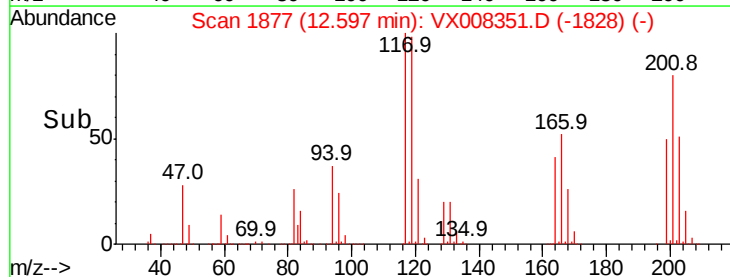
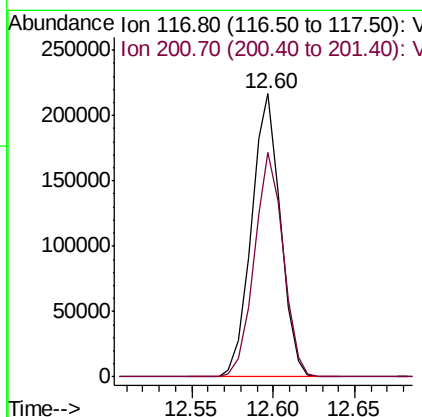
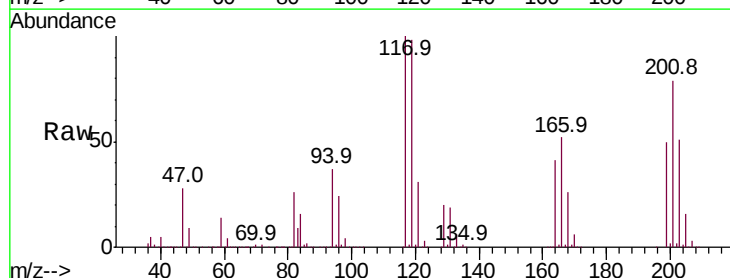
Manual Integrations
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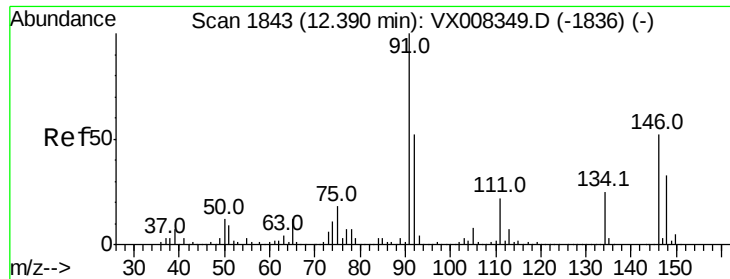
MMDadoda
3/25/2019 11:16:55 AM



#90
Hexachloroethane
Concen: 135.505 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX008351.D
Acq: 23 Mar 2019 15:05

Tgt Ion: 117 Resp: 268266
Ion Ratio Lower Upper
117 100
201 78.8 48.9 146.7





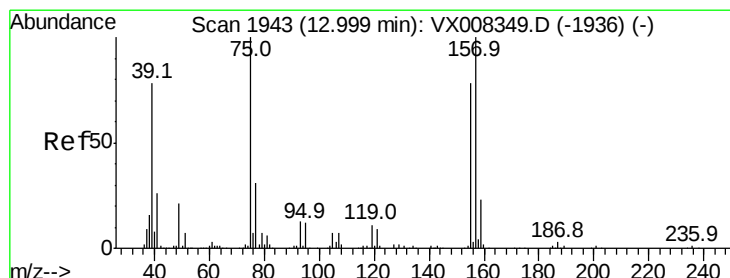
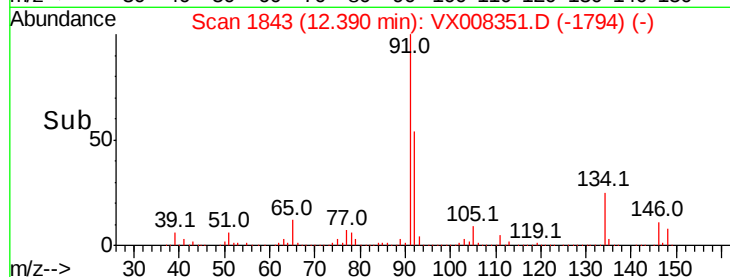
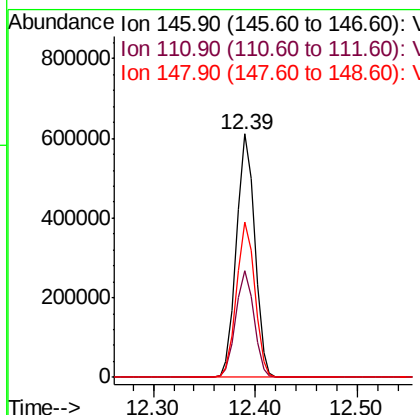
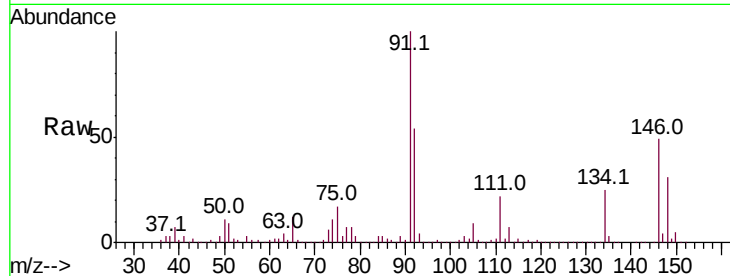
#91
 1,2-Dichlorobenzene
 Concen: 125.169 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX008351.D
 Acq: 23 Mar 2019 15:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	19.6	58.8
148	63.6	31.9	95.5

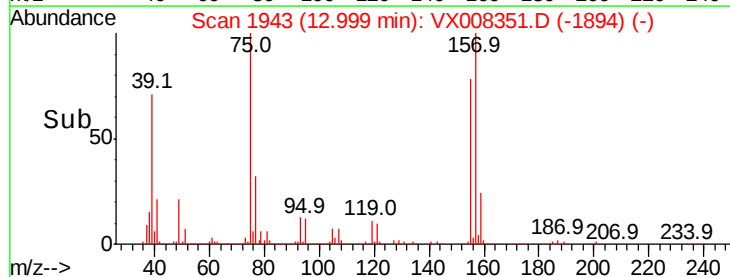
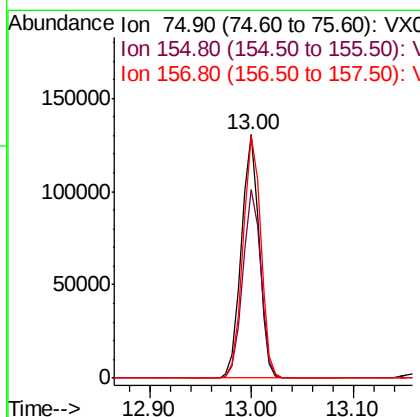
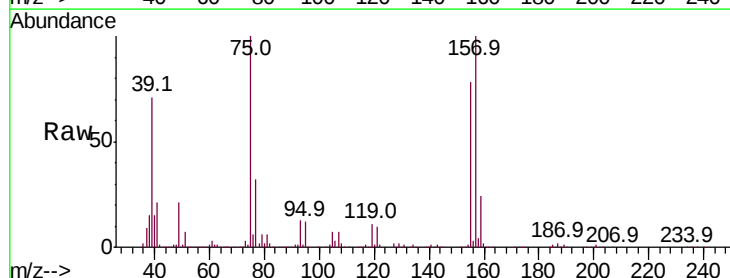
Manual Integrations
 APPROVED

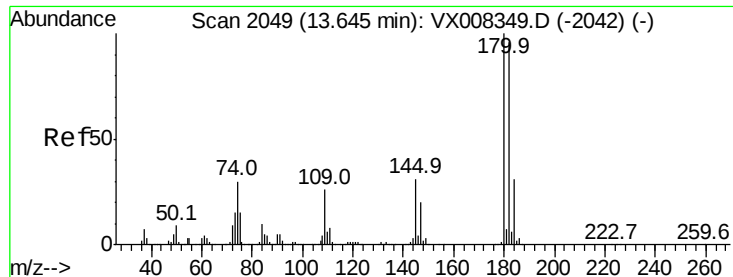
MMDadoda
 3/25/2019 11:16:55 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 141.440 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX008351.D
 Acq: 23 Mar 2019 15:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.7	49.7	149.1
157	100.9	63.8	191.4





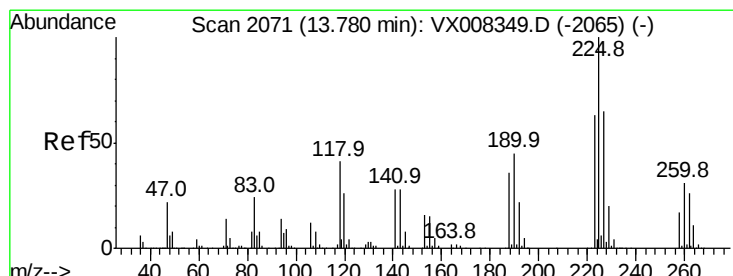
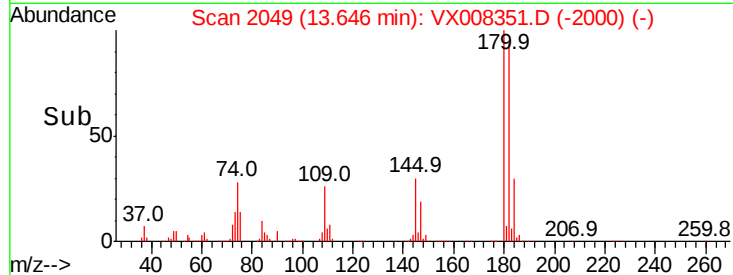
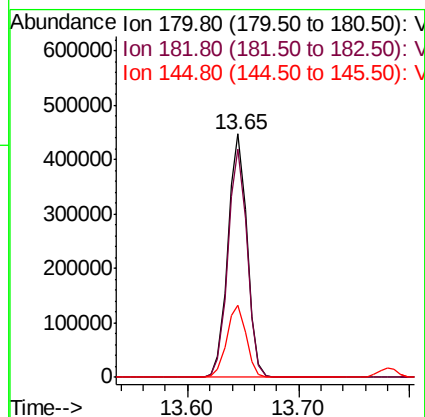
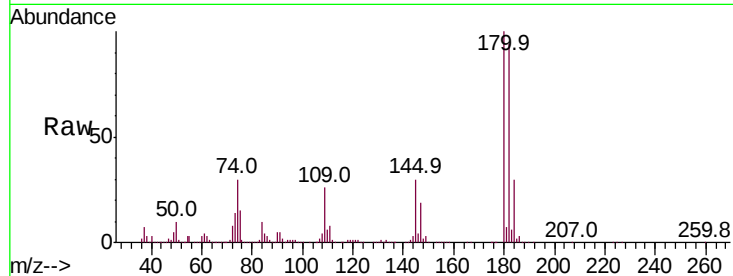
#93
1,2,4-Trichlorobenzene
Concen: 134.248 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. 0.00 min
Lab File: VX008351.D
Acq: 23 Mar 2019 15:05

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.2	47.9	143.7	
145	30.3	14.1	42.4	

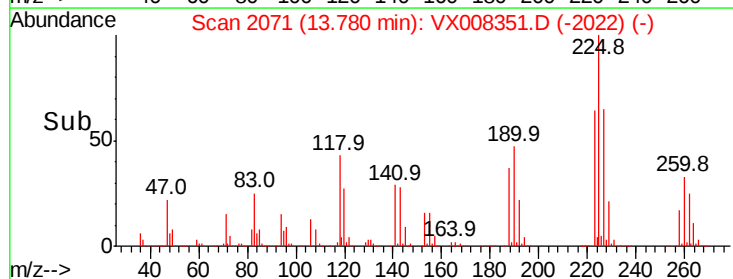
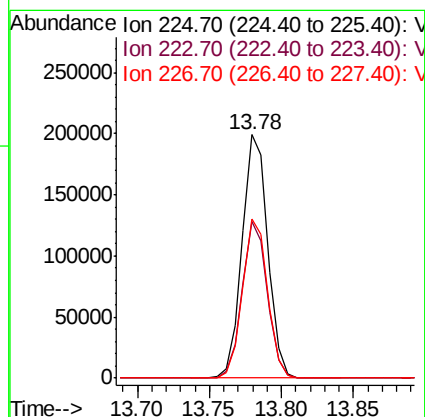
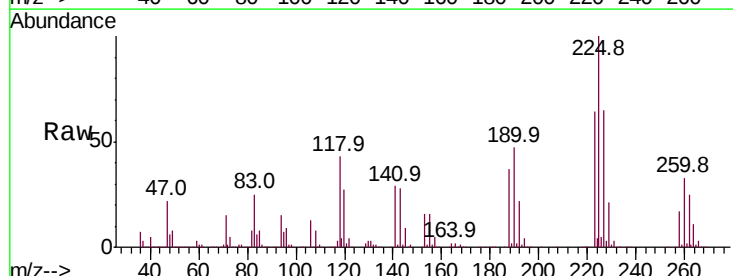
Manual Integrations
APPROVED

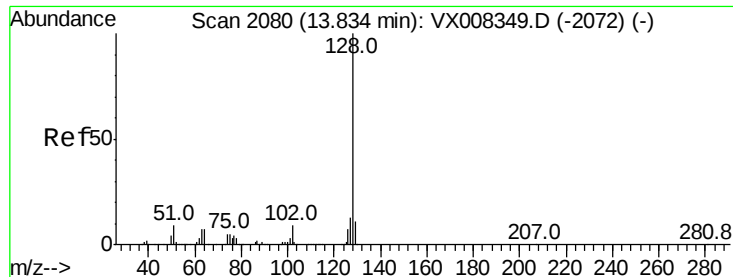
MMDadoda
3/25/2019 11:16:55 AM



#94
Hexachlorobutadiene
Concen: 127.285 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. 0.00 min
Lab File: VX008351.D
Acq: 23 Mar 2019 15:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.0	31.1	93.2	
227	64.2	32.0	96.0	





#95

Naphthalene

Concen: 143.367 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX008351.D

Acq: 23 Mar 2019 15:05

Instrument :

MSVOA_X

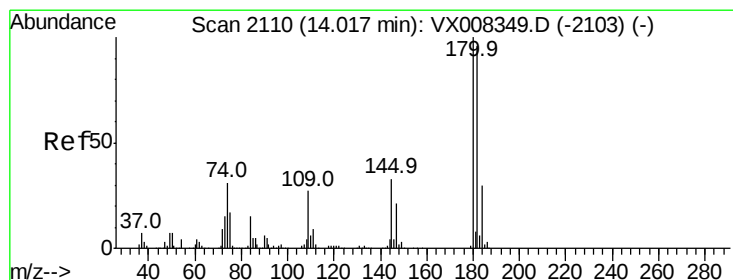
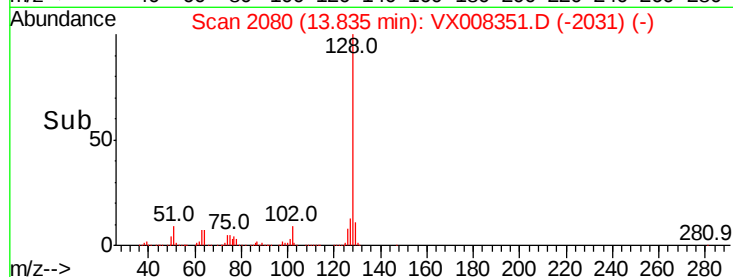
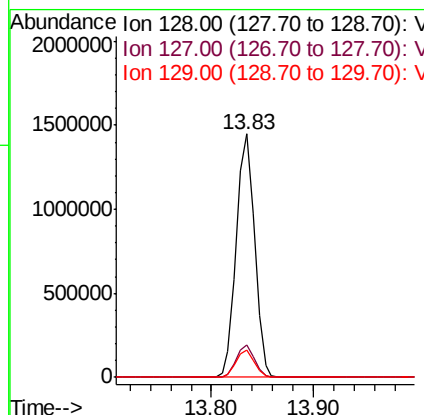
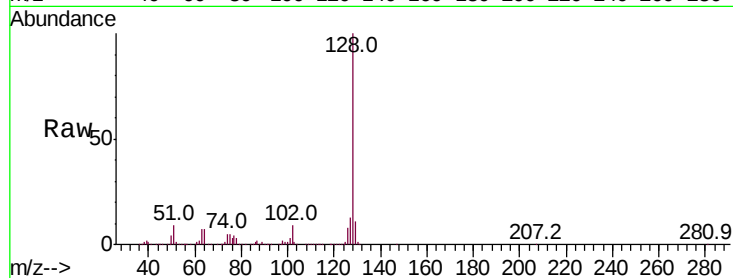
ClientSampleId :

VSTDIC150

Tot Ion:	128	Resp:	1785311
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.3	15.5
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/25/2019 11:16:55 AM



#96

1,2,3-Trichlorobenzene

Concen: 133.089 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX008351.D

Acq: 23 Mar 2019 15:05

Tgt Ion:	180	Resp:	516687
Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.5	142.5
145	32.6	14.8	44.3

