

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX081519\
 Data File : VX011568.D
 Acq On : 15 Aug 2019 19:37
 Operator : JC/SP
 Sample : VSTDIC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 8/16/2019 8:29:39 AM

Quant Time: Aug 16 04:14:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 04:09:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	393725	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	541592	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	498565	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	291007	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	502713	137.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	275.36%	
35) Dibromofluoromethane	5.49	113	487876	137.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	275.46%	
50) Toluene-d8	8.71	98	1558850	141.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	282.46%	
62) 4-Bromofluorobenzene	11.13	95	680605	146.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	292.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	637072	164.614	ug/l	100
3) Chloromethane	1.32	50	567378	141.153	ug/l	99
4) Vinyl Chloride	1.40	62	556886	153.368	ug/l	98
5) Bromomethane	1.63	94	236725	145.500	ug/l	98
6) Chloroethane	1.70	64	206754	115.728	ug/l	96
7) Trichlorofluoromethane	1.91	101	743997	147.930	ug/l	99
8) Diethyl Ether	2.18	74	252068	146.106	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	502641	144.694	ug/l	99
10) Methyl Iodide	2.50	142	803462	162.360	ug/l	99
11) Tert butyl alcohol	3.06	59	729281	814.144	ug/l	98
12) 1,1-Dichloroethene	2.35	96	500061	148.955	ug/l	98
13) Acrolein	2.29	56	221697	748.367	ug/l	98
14) Allyl chloride	2.71	41	848197	151.883	ug/l	100
15) Acrylonitrile	3.14	53	1556838	759.382	ug/l	100
16) Acetone	2.45	43	1331517	725.254	ug/l	99
17) Carbon Disulfide	2.56	76	1240621	156.830	ug/l	100
18) Methyl Acetate	2.77	43	875752	153.806	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	1671498	152.876	ug/l	99
20) Methylene Chloride	2.84	84	551792	143.144	ug/l	100
21) trans-1,2-Dichloroethene	3.15	96	527264	148.209	ug/l	98
22) Diisopropyl ether	3.85	45	1668295	150.005	ug/l	99
23) Vinyl Acetate	3.81	43	6851274	777.945	ug/l	100
24) 1,1-Dichloroethane	3.68	63	931039	148.066	ug/l	99
25) 2-Butanone	4.67	43	2192941	760.841	ug/l	97
26) 2,2-Dichloropropane	4.57	77	722158	152.592	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	617867	148.981	ug/l	100
28) Bromochloromethane	5.01	49	384573	139.321	ug/l	99
29) Tetrahydrofuran	5.12	42	1433098	757.981	ug/l	99
30) Chloroform	5.21	83	967252	145.757	ug/l	100
31) Cyclohexane	5.57	56	828065	152.951	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	885503	155.187	ug/l	100
36) 1,1-Dichloropropene	5.79	75	714422	154.285	ug/l	99
37) Ethyl Acetate	4.83	43	822035	154.344	ug/l	100
38) Carbon Tetrachloride	5.77	117	803790	157.556	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 04:09:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	888409	155.360	ug/l	100
40) Benzene	6.13	78	2132841	148.218	ug/l	99
41) Methacrylonitrile	5.04	41	467551	159.504	ug/l	98
42) 1,2-Dichloroethane	6.18	62	745246	149.481	ug/l	100
43) Isopropyl Acetate	6.44	43	1310967	157.722	ug/l	100
44) Trichloroethene	7.21	130	651792	152.689	ug/l	100
45) 1,2-Dichloropropane	7.51	63	550752	153.468	ug/l	97
46) Dibromomethane	7.66	93	389962	149.533	ug/l	98
47) Bromodichloromethane	7.90	83	761202	158.969	ug/l	99
48) Methyl methacrylate	7.77	41	662919	161.053	ug/l	100
49) 1,4-Dioxane	7.74	88	348836	3186.297	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	4242667	779.837	ug/l	99
52) Toluene	8.78	92	1378034	150.316	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	853369	171.719	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	910924	167.494	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	578362	148.354	ug/l	100
56) Ethyl methacrylate	9.18	69	949181	167.515	ug/l	99
57) 1,3-Dichloropropane	9.37	76	923651	149.048	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	2206740	781.621	ug/l	99
59) 2-Hexanone	9.49	43	3377625	805.071	ug/l	99
60) Dibromochloromethane	9.58	129	697796	171.793	ug/l	98
61) 1,2-Dibromoethane	9.67	107	637952	153.329	ug/l	99
64) Tetrachloroethene	9.34	164	607254	148.450	ug/l	98
65) Chlorobenzene	10.13	112	1578500	148.440	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	636832	160.225	ug/l	99
67) Ethyl Benzene	10.25	91	2692501	151.716	ug/l	99
68) m/p-Xylenes	10.36	106	2087193	306.389	ug/l	100
69) o-Xylene	10.69	106	1028054	154.066	ug/l	98
70) Styrene	10.71	104	1800245	160.261	ug/l	100
71) Bromoform	10.85	173	622254	185.244	ug/l #	99
73) Isopropylbenzene	11.02	105	2748213	145.539	ug/l	100
74) N-amyl acetate	10.90	43	1245396	155.196	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	961905	148.081	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	792534m	143.623	ug/l	
77) Bromobenzene	11.26	156	817951	145.594	ug/l	99
78) n-propylbenzene	11.36	91	3063255	150.443	ug/l	100
79) 2-Chlorotoluene	11.42	91	1835313	146.789	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	2376445	149.816	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	330580	178.074	ug/l	94
82) 4-Chlorotoluene	11.51	91	2163944	149.181	ug/l	100
83) tert-Butylbenzene	11.77	119	2415834	149.536	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	2438419	153.122	ug/l	99
85) sec-Butylbenzene	11.94	105	2753873	151.085	ug/l	99
86) p-Isopropyltoluene	12.06	119	2656838	154.939	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	1465399	151.751	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	1463453	149.526	ug/l	99
89) n-Butylbenzene	12.38	91	2272961	161.229	ug/l	100
90) Hexachloroethane	12.60	117	463099	171.020	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	1464641	151.094	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	234244	157.621	ug/l	99

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ClientSampleId :
VSTDICC150

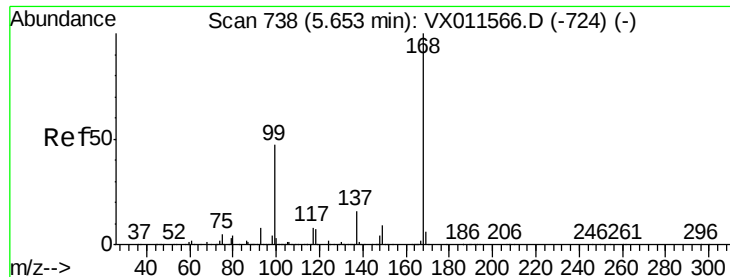
Manual Integrations
APPROVED

MMDadoda
8/16/2019 8:29:39 AM

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Quant Title : SW846 8260
QLast Update : Fri Aug 16 04:09:19 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	1168135	161.732	ug/l	99
94) Hexachlorobutadiene	13.78	225	618630	157.297	ug/l	98
95) Naphthalene	13.83	128	3331835	163.175	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	1170911	160.730	ug/l	100

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



#1

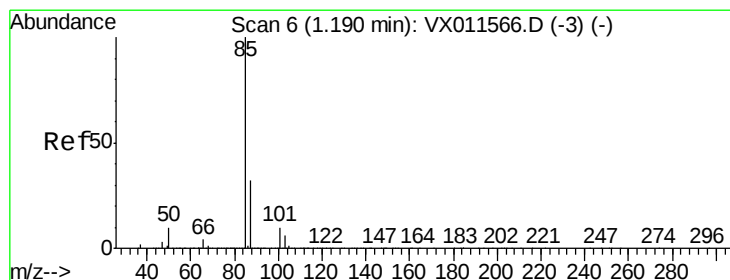
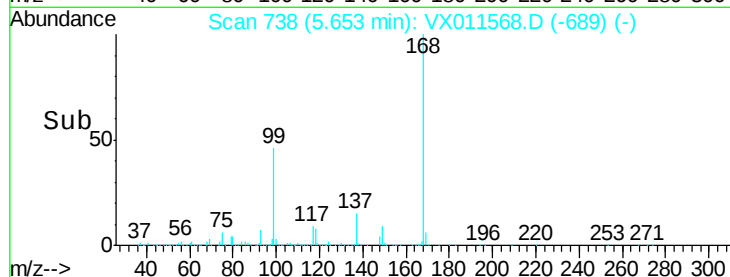
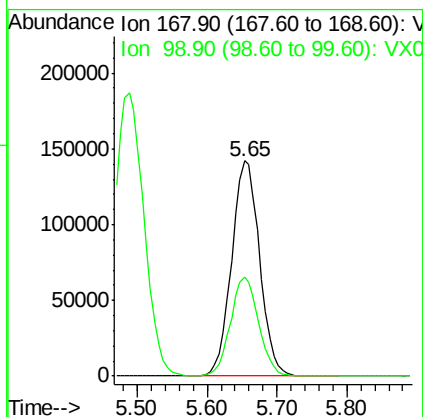
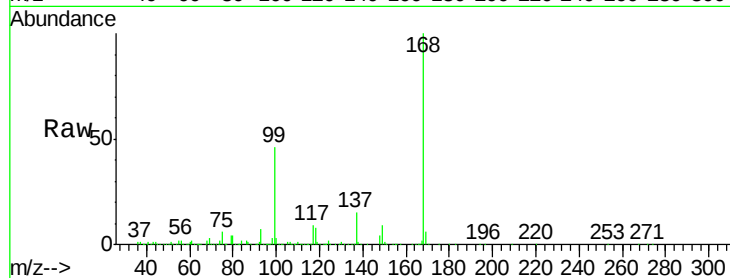
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.00 min
Lab File: VX011568.D
Acq: 15 Aug 2019 19:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
168	100		
99	46.1	37.3	55.9

Manual Integrations
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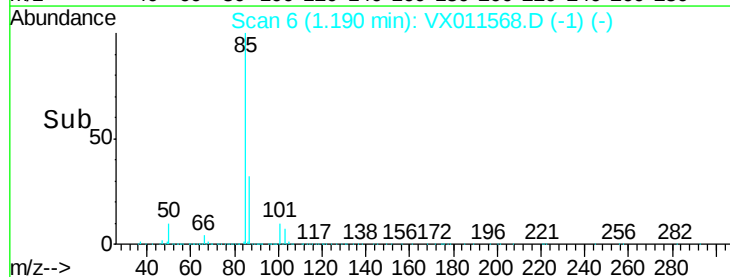
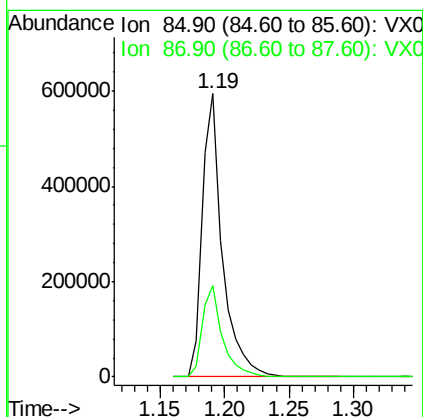
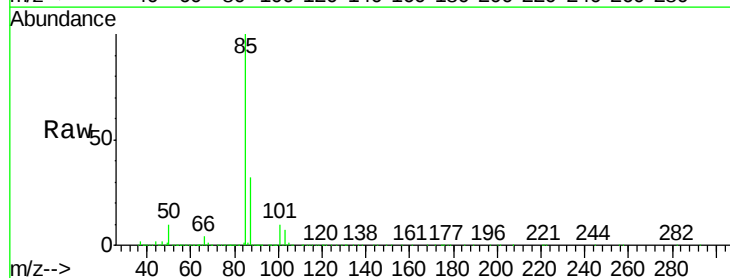
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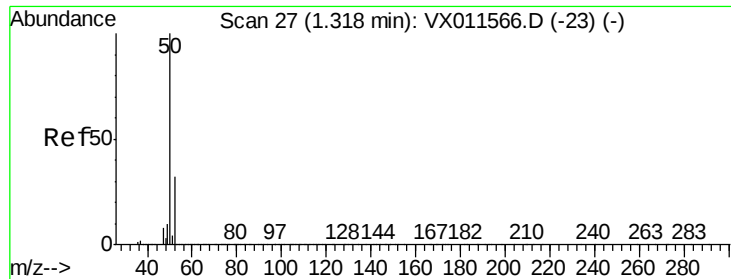


#2

Dichlorodifluoromethane
Concen: 164.614 ug/l
RT: 1.19 min Scan# 6
Delta R.T. 0.00 min
Lab File: VX011568.D
Acq: 15 Aug 2019 19:37

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.2	16.1	48.2





#3

Chloromethane

Concen: 141.153 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011568.D

Acq: 15 Aug 2019 19:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 567378

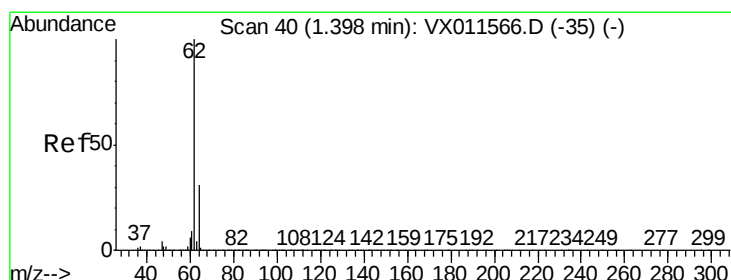
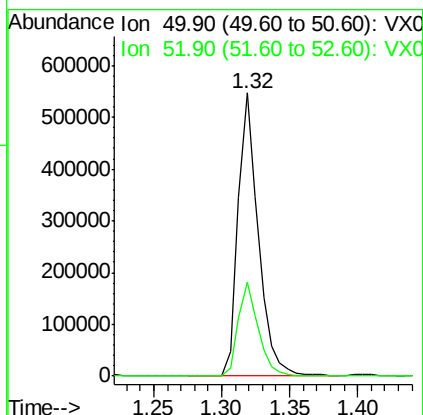
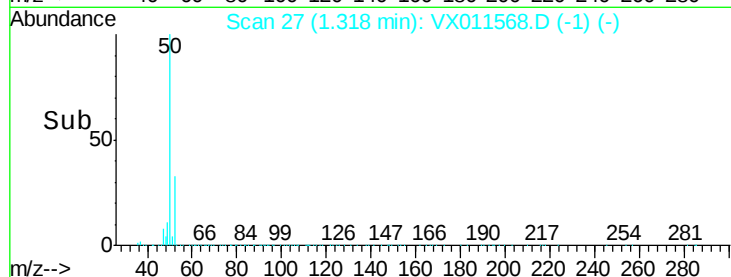
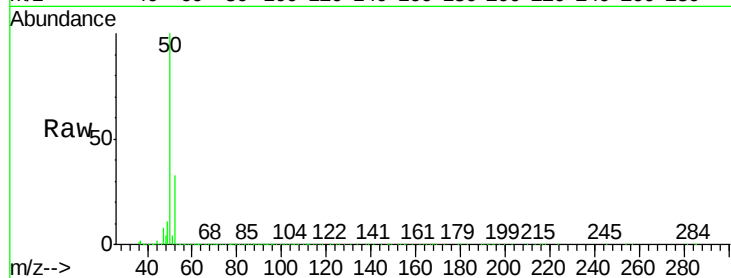
Ion Ratio Lower Upper

50 100

52 33.0 26.0 39.0

Manual Integrations
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#4

Vinyl Chloride

Concen: 153.368 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.01 min

Lab File: VX011568.D

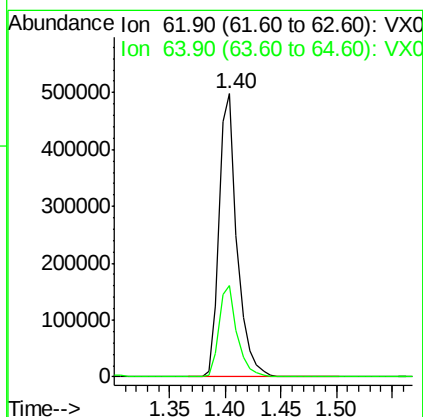
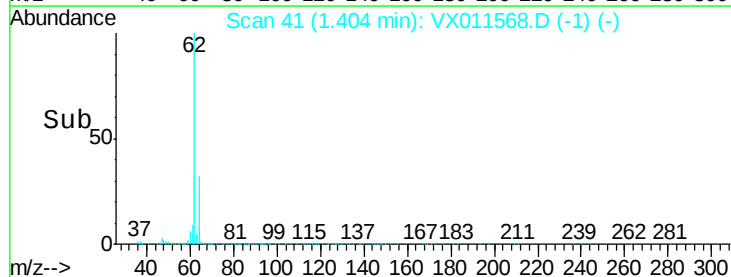
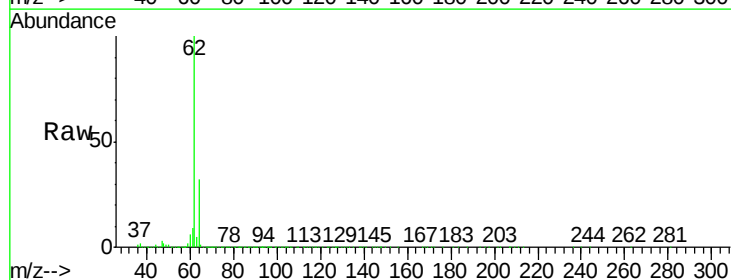
Acq: 15 Aug 2019 19:37

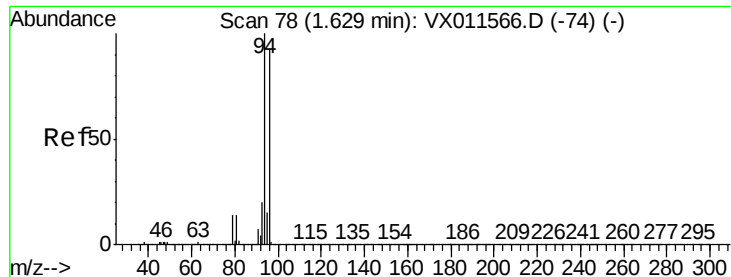
Tgt Ion: 62 Resp: 556886

Ion Ratio Lower Upper

62 100

64 32.3 25.0 37.4





#5

Bromomethane

Concen: 145.500 ug/l

RT: 1.63 min Scan# 78

Delta R.T. 0.00 min

Lab File: VX011568.D

Acq: 15 Aug 2019 19:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 236725

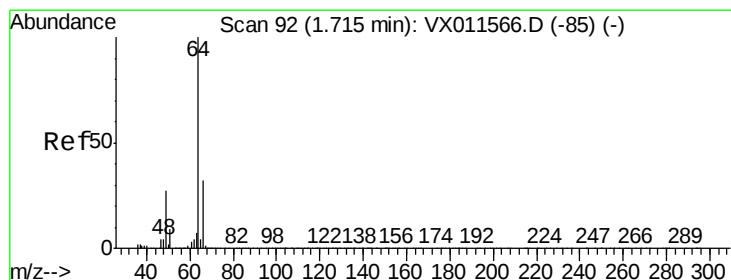
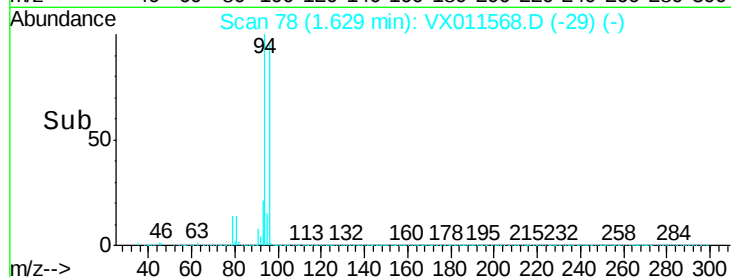
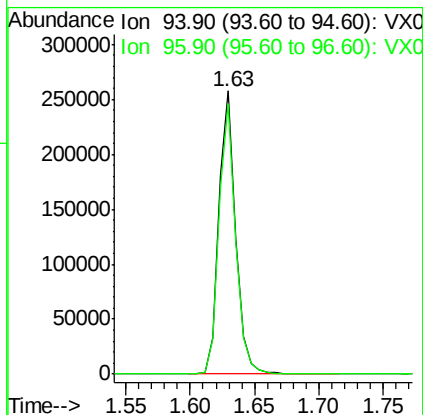
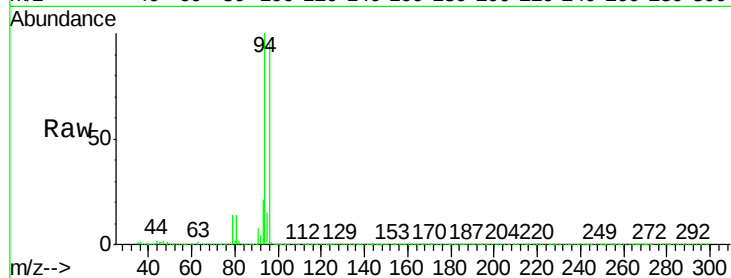
Ion Ratio Lower Upper

94 100

96 95.5 74.8 112.2

Manual Integrations
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#6

Chloroethane

Concen: 115.728 ug/l

RT: 1.70 min Scan# 89

Delta R.T. -0.02 min

Lab File: VX011568.D

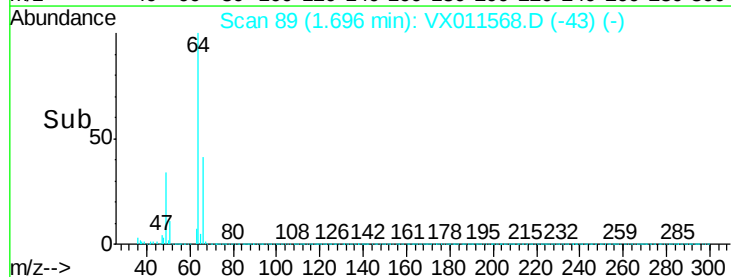
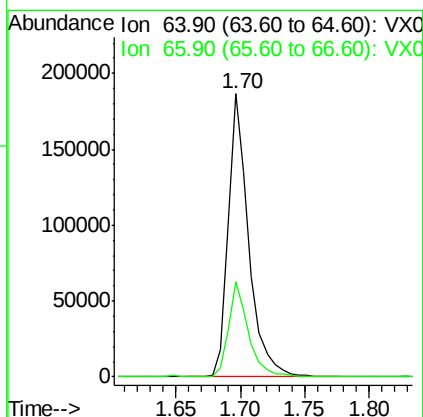
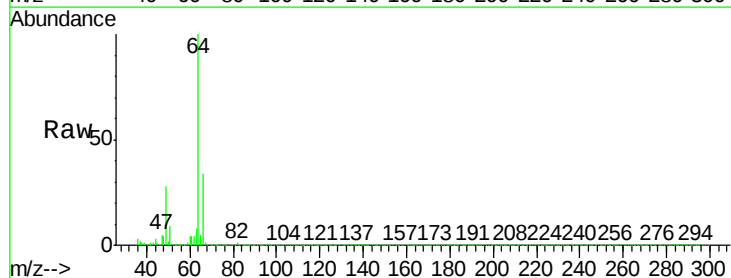
Acq: 15 Aug 2019 19:37

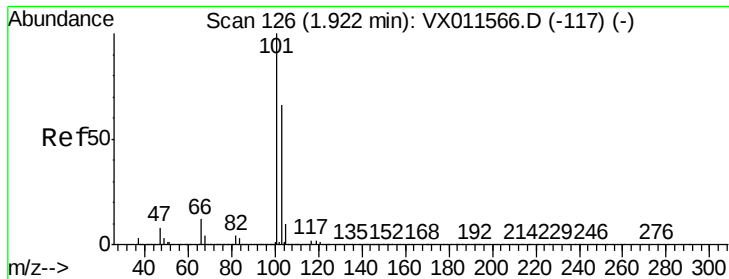
Tgt Ion: 64 Resp: 206754

Ion Ratio Lower Upper

64 100

66 33.6 25.3 37.9





#7

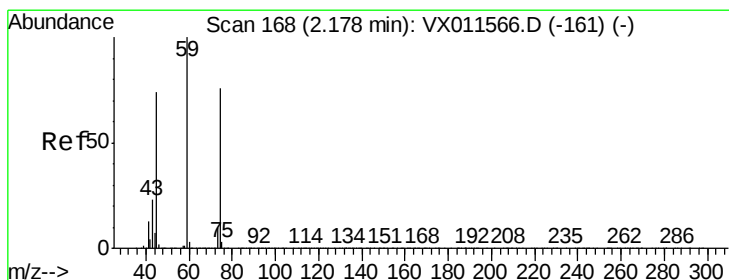
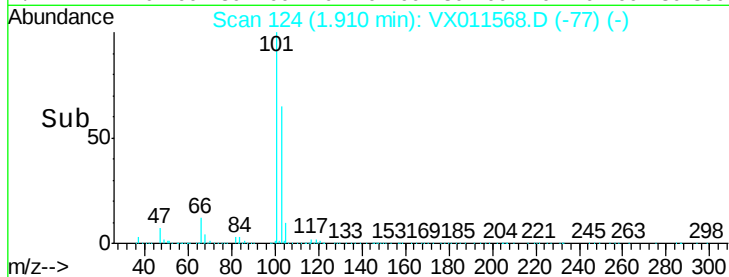
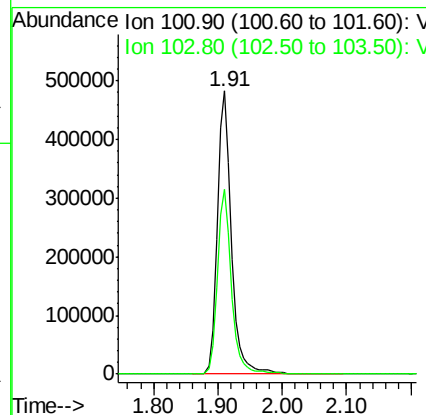
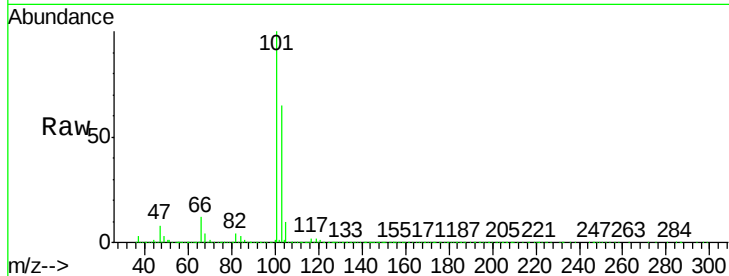
Trichlorofluoromethane
Concen: 147.930 ug/l
RT: 1.91 min Scan# 124
Delta R.T. -0.01 min
Lab File: VX011568.D
Acq: 15 Aug 2019 19:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	52.9	79.3

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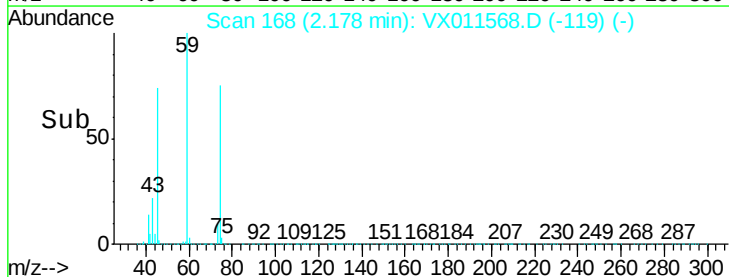
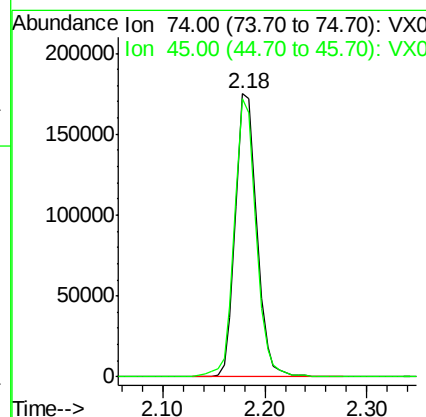
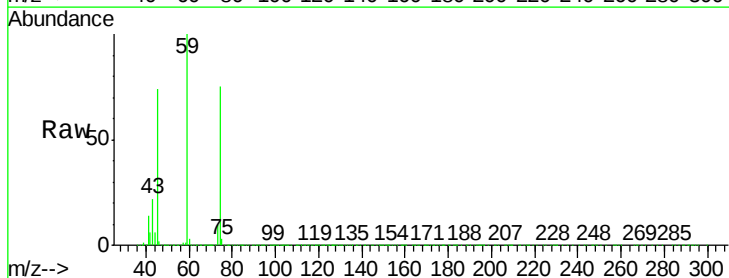
MMDadoda
8/16/2019 8:29:39 AM

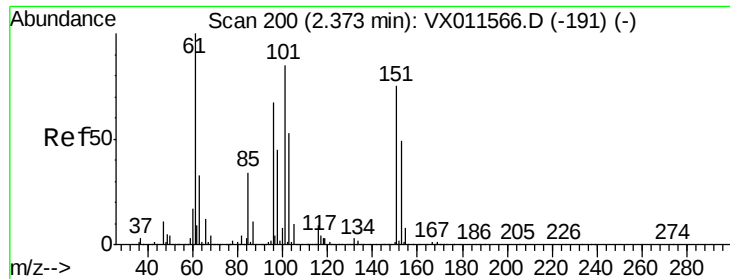


#8

Diethyl Ether
Concen: 146.106 ug/l
RT: 2.18 min Scan# 168
Delta R.T. 0.00 min
Lab File: VX011568.D
Acq: 15 Aug 2019 19:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.4	48.2	144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 144.694 ug/l

RT: 2.37 min Scan# 199

Delta R.T. -0.01 min

Lab File: VX011568.D

Acq: 15 Aug 2019 19:37

Instrument :

MSVOA_X

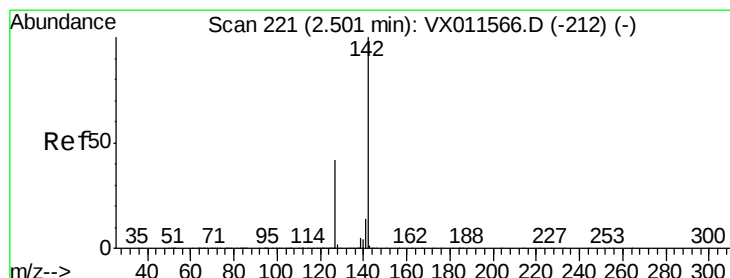
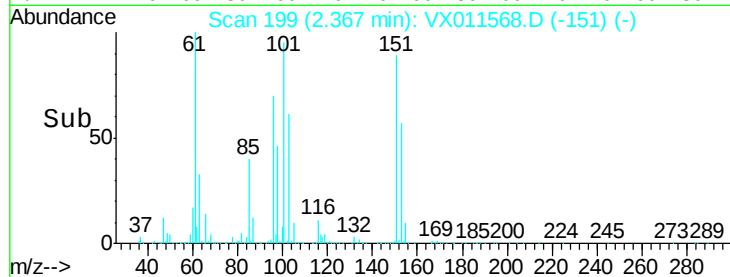
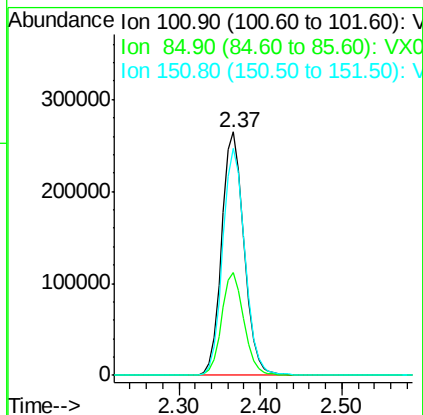
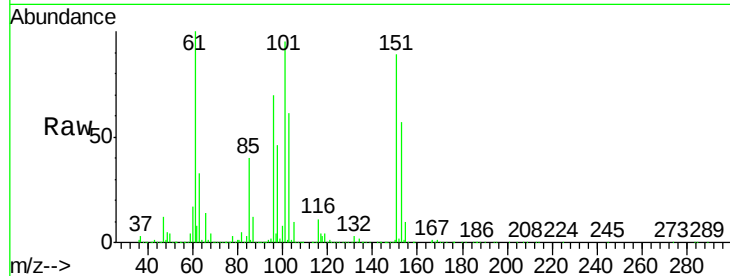
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	502641
Ion Ratio	Lower	Upper	
101	100		
85	42.0	33.0	49.4
151	92.8	73.3	109.9

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#10

Methyl Iodide

Concen: 162.360 ug/l

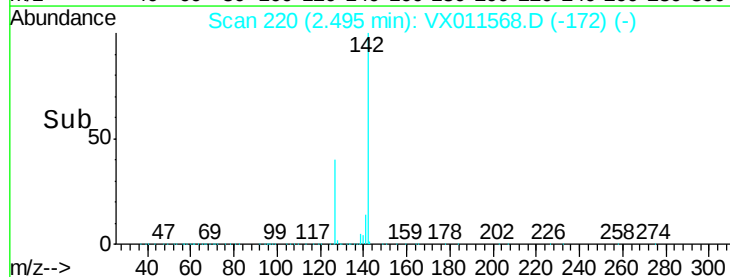
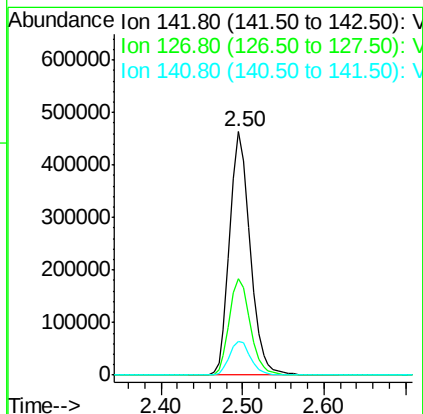
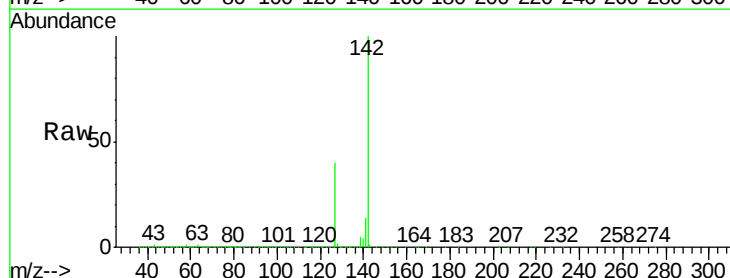
RT: 2.50 min Scan# 220

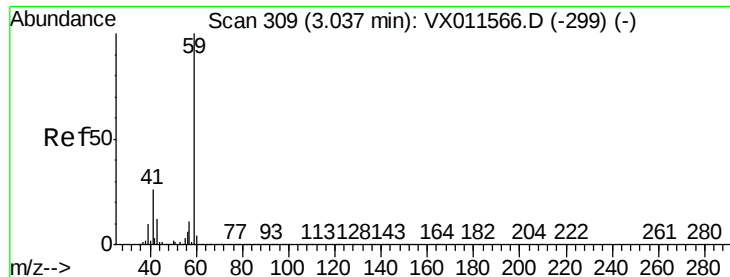
Delta R.T. -0.01 min

Lab File: VX011568.D

Acq: 15 Aug 2019 19:37

Tgt Ion:	142	Resp:	803462
Ion Ratio	Lower	Upper	
142	100		
127	40.6	32.8	49.2
141	14.3	11.4	17.2





#11

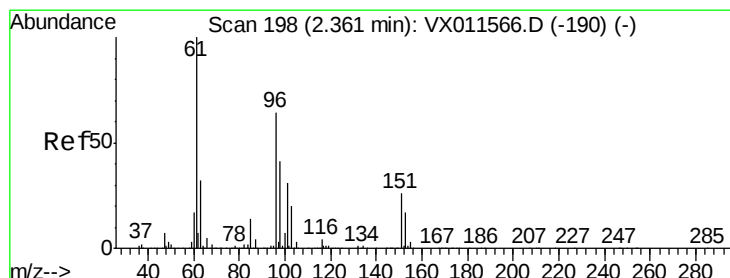
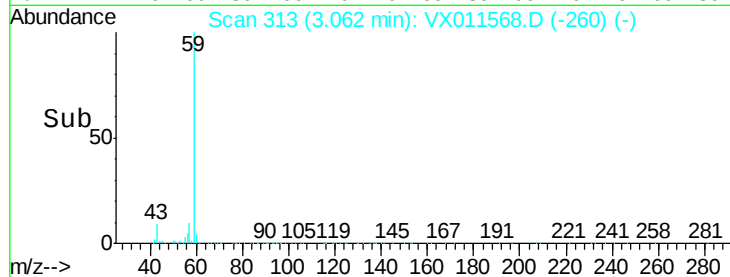
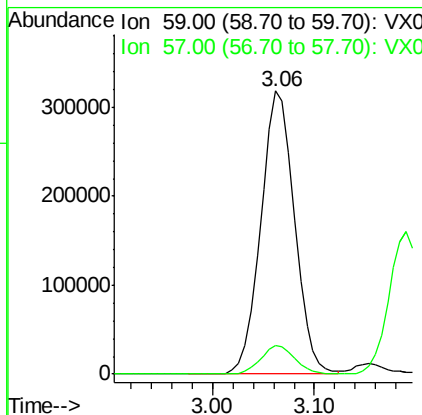
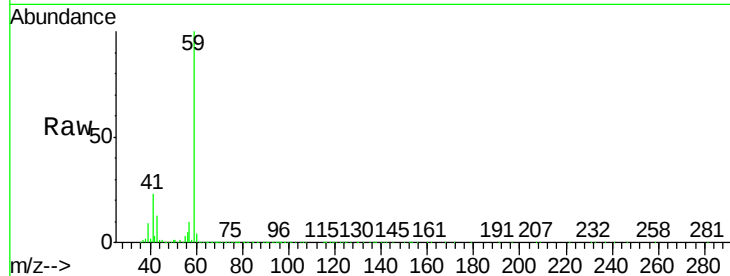
Tert butyl alcohol
Concen: 814.144 ug/l
RT: 3.06 min Scan# 313
Delta R.T. 0.02 min
Lab File: VX011568.D
Acq: 15 Aug 2019 19:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	729281		
57	57	10.1		8.7	13.1

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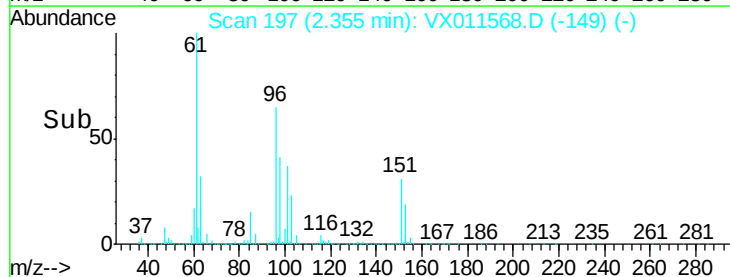
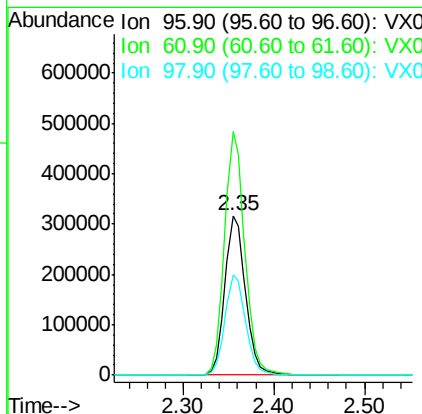
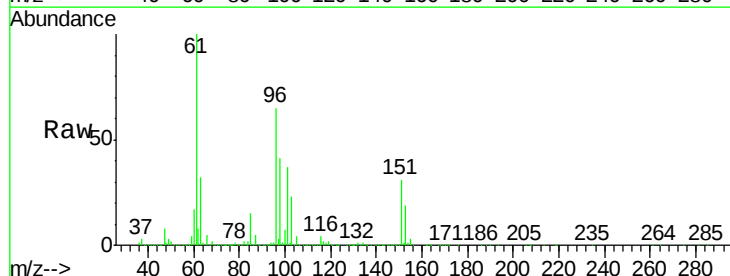
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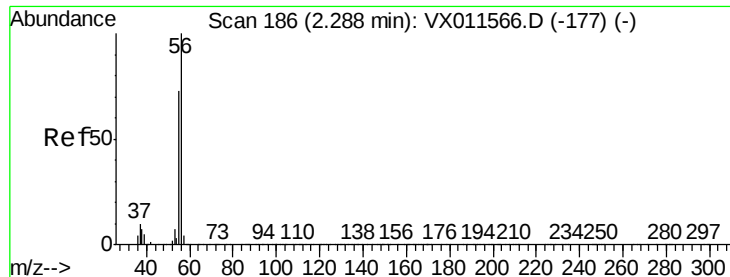


#12

1,1-Dichloroethene
Concen: 148.955 ug/l
RT: 2.35 min Scan# 197
Delta R.T. -0.01 min
Lab File: VX011568.D
Acq: 15 Aug 2019 19:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	500061		
61	61	152.9		125.0	187.4
98	98	63.3		51.5	77.3





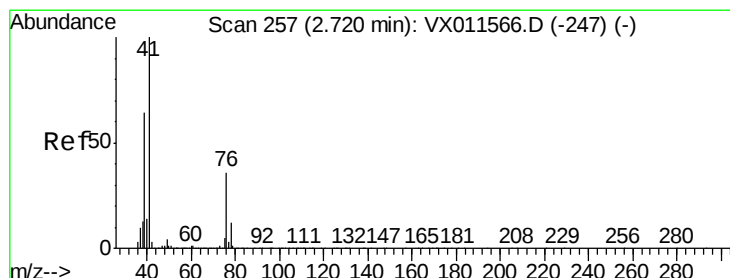
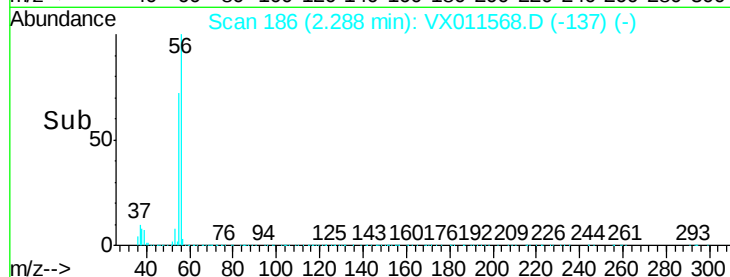
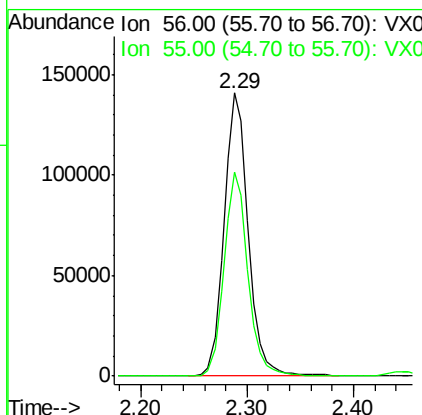
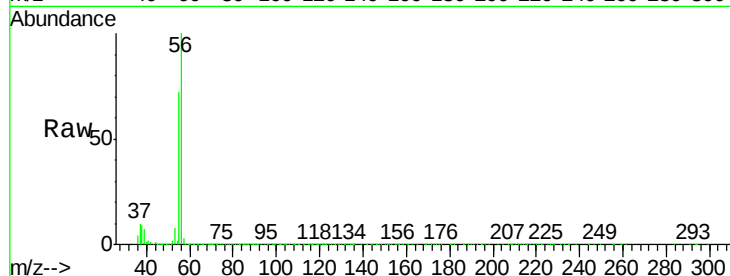
#13
Acrolein
Concen: 748.367 ug/l
RT: 2.29 min Scan# 186
Delta R.T. 0.00 min
Lab File: VX011568.D
Acq: 15 Aug 2019 19:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	71.1	55.5	83.3

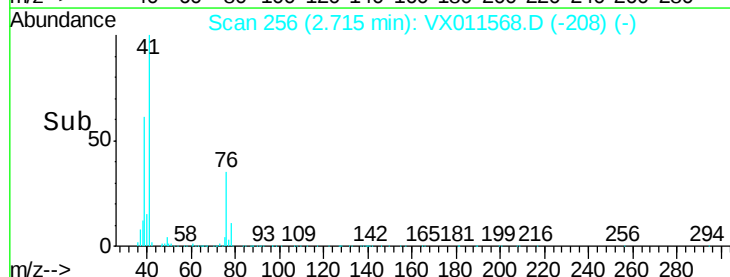
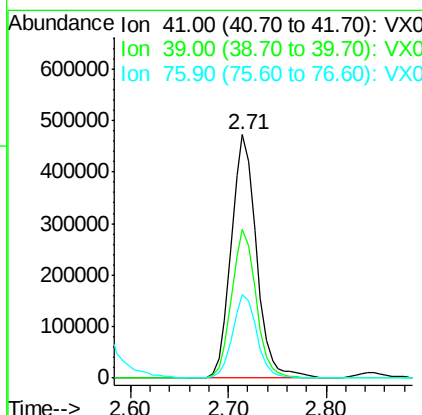
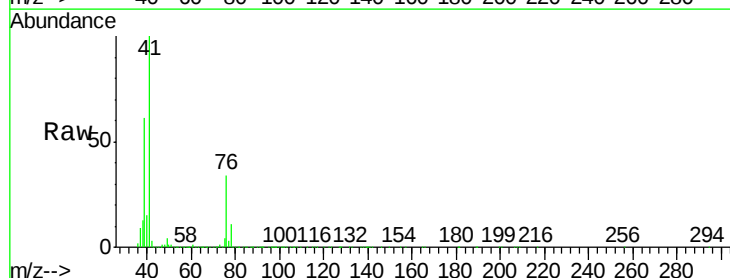
Manual Integrations
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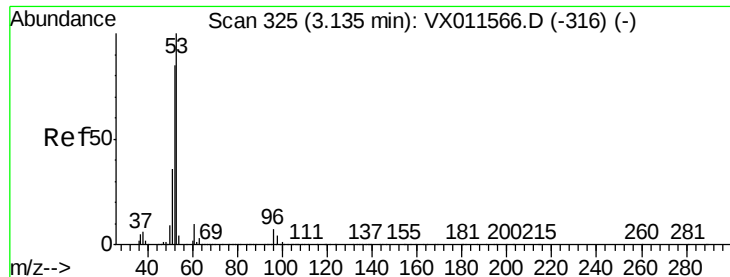
MMDadoda
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#14
Allyl chloride
Concen: 151.883 ug/l
RT: 2.71 min Scan# 256
Delta R.T. -0.01 min
Lab File: VX011568.D
Acq: 15 Aug 2019 19:37

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	59.3	47.5	71.3
76	76	32.8	26.3	39.5





#15

Acrylonitrile

Concen: 759.382 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX011568.D

Acq: 15 Aug 2019 19:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 53 Resp: 1556838

Ion Ratio Lower Upper

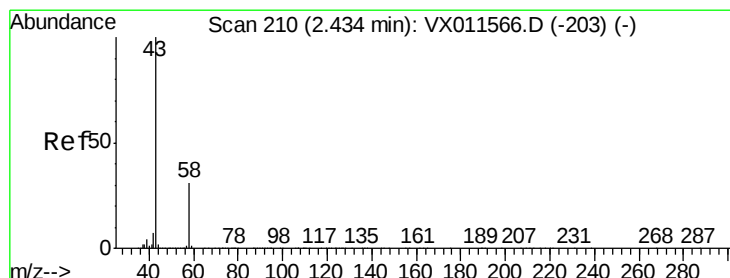
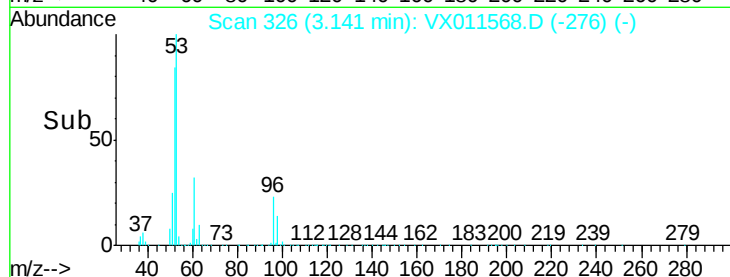
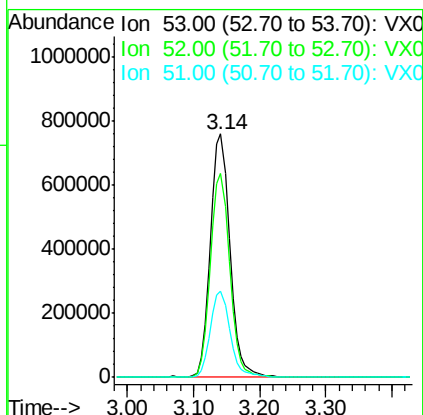
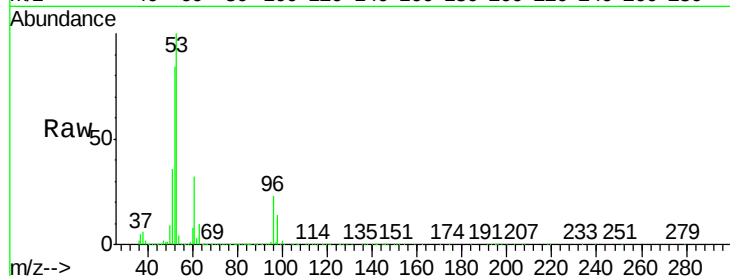
53 100

52 83.3 66.7 100.1

51 35.9 28.7 43.1

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#16

Acetone

Concen: 725.254 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX011568.D

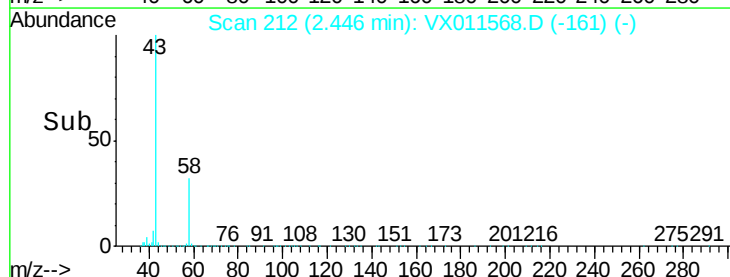
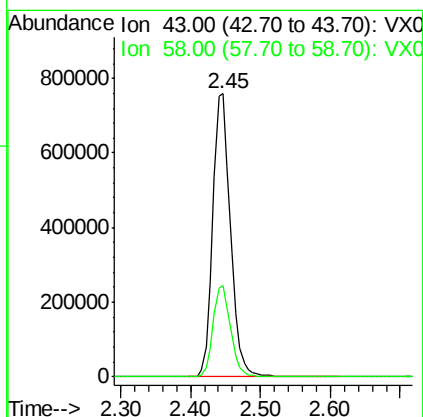
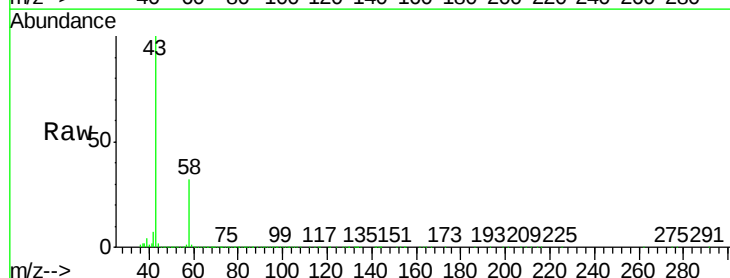
Acq: 15 Aug 2019 19:37

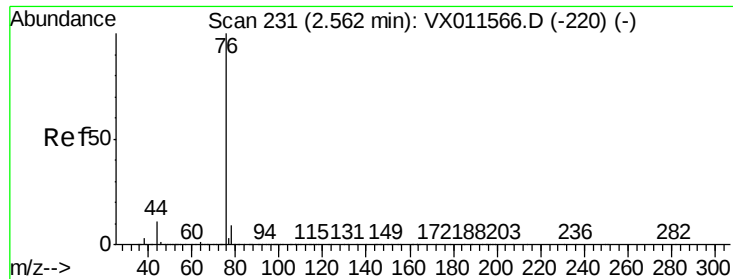
Tgt Ion: 43 Resp: 1331517

Ion Ratio Lower Upper

43 100

58 32.1 25.2 37.8





#17

Carbon Disulfide

Concen: 156.830 ug/l

RT: 2.56 min Scan# 230

Delta R.T. -0.01 min

Lab File: VX011568.D

Acq: 15 Aug 2019 19:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 1240621

Ion Ratio Lower Upper

76 100

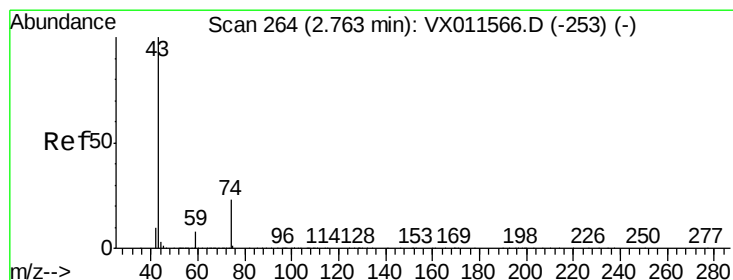
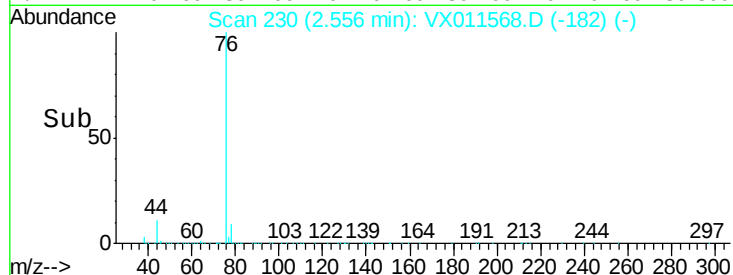
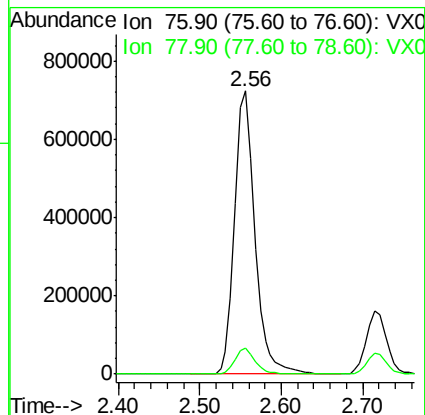
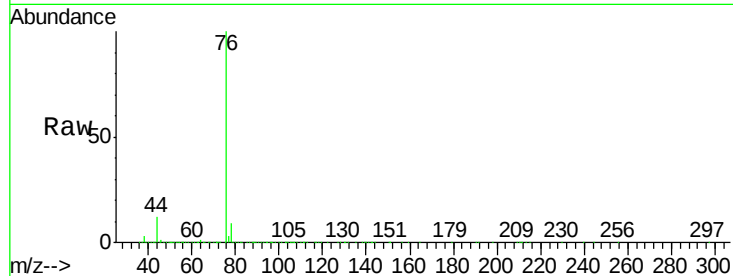
78 9.1 7.2 10.8

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#18

Methyl Acetate

Concen: 153.806 ug/l

RT: 2.77 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX011568.D

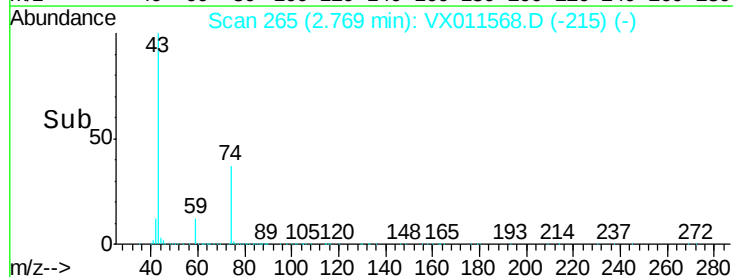
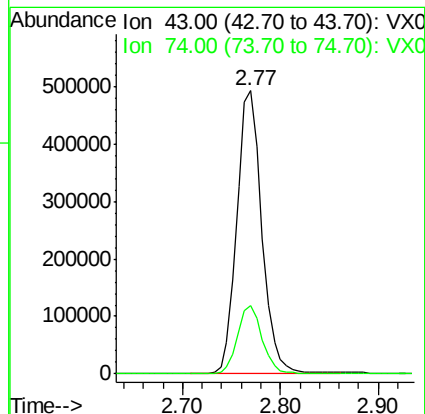
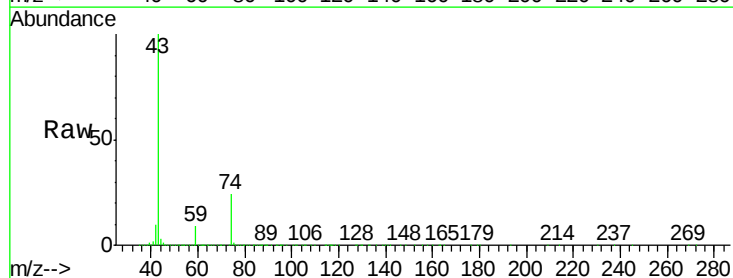
Acq: 15 Aug 2019 19:37

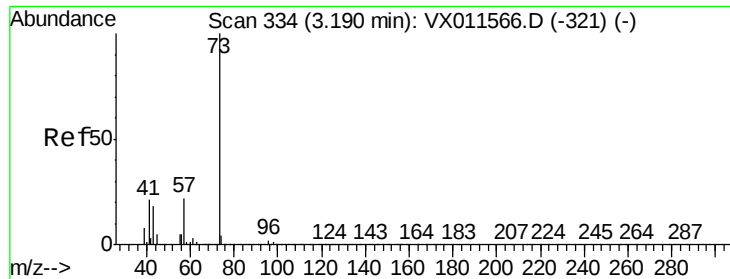
Tgt Ion: 43 Resp: 875752

Ion Ratio Lower Upper

43 100

74 24.3 19.7 29.5





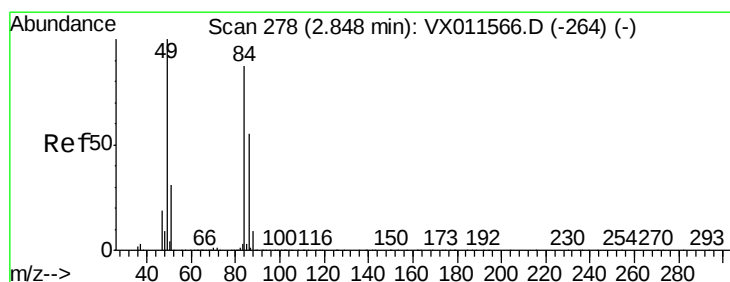
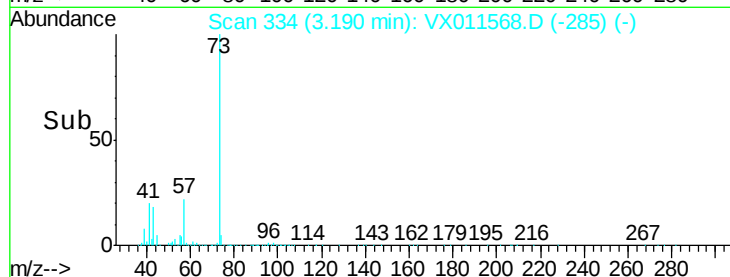
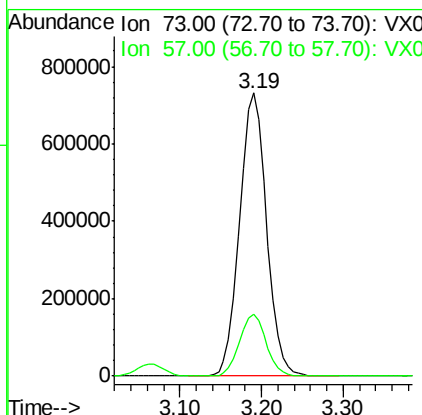
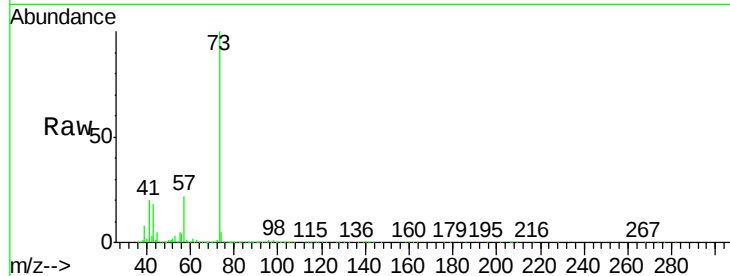
#19
Methyl tert-butyl Ether
Concen: 152.876 ug/l
RT: 3.19 min Scan# 334
Delta R.T. 0.00 min
Lab File: VX011568.D
Acq: 15 Aug 2019 19:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 1671498
Ion Ratio Lower Upper
73 100
57 21.9 17.2 25.8

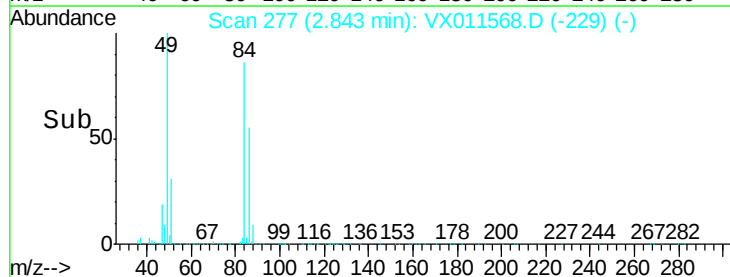
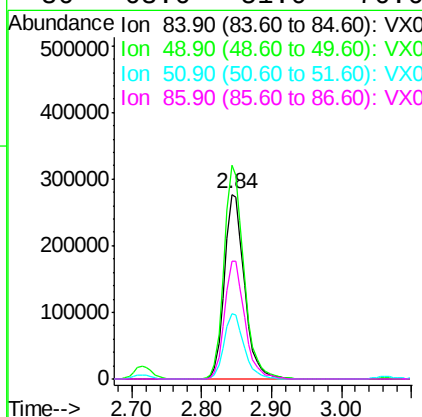
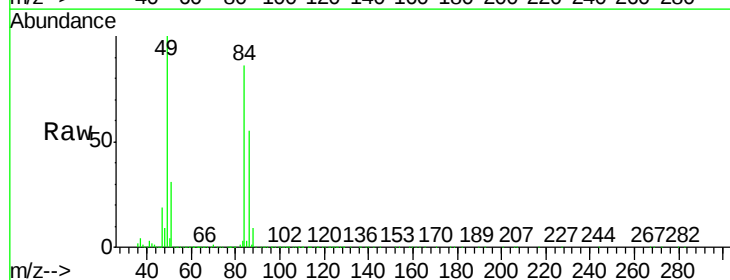
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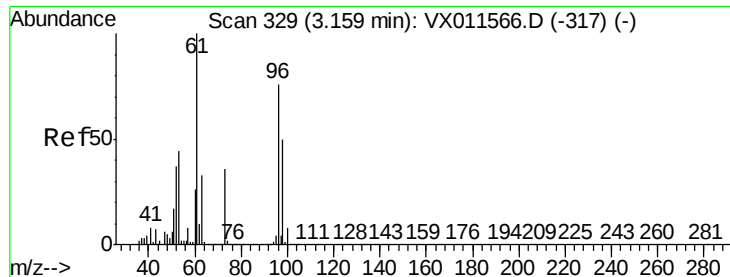
MMDadoda
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#20
Methylene Chloride
Concen: 143.144 ug/l
RT: 2.84 min Scan# 277
Delta R.T. -0.01 min
Lab File: VX011568.D
Acq: 15 Aug 2019 19:37

Tgt Ion: 84 Resp: 551792
Ion Ratio Lower Upper
84 100
49 115.7 92.4 138.6
51 35.5 28.5 42.7
86 63.6 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 148.209 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.01 min

Lab File: VX011568.D

Acq: 15 Aug 2019 19:37

Instrument :

MSVOA_X

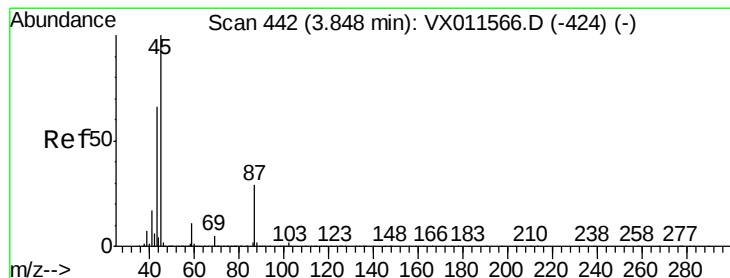
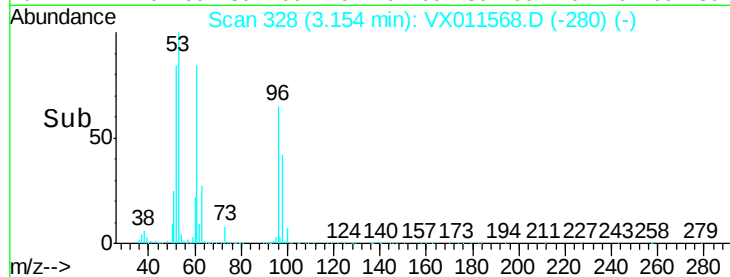
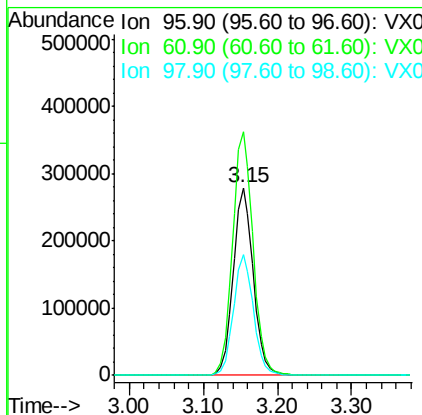
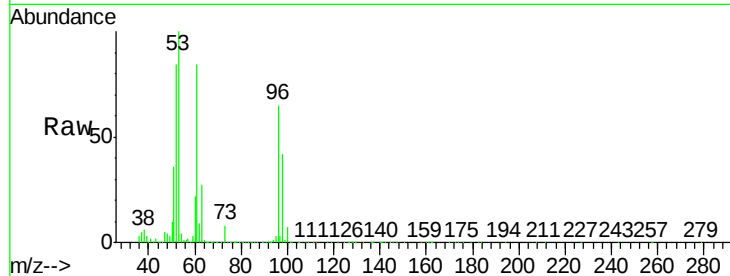
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	527264
Ion	Ratio	Lower	Upper
96	100		
61	129.5	105.5	158.3
98	64.5	52.6	78.8

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#22

Diisopropyl ether

Concen: 150.005 ug/l

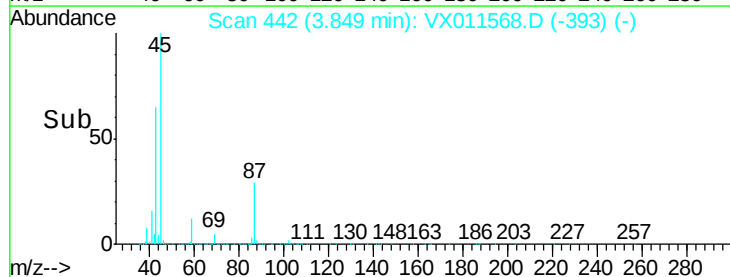
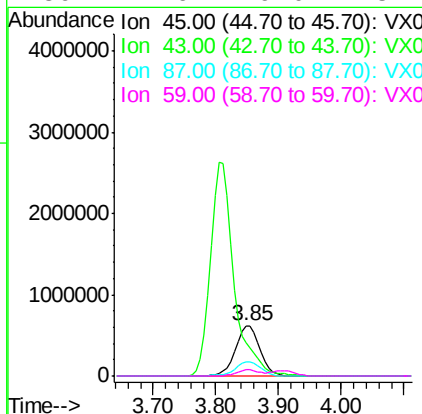
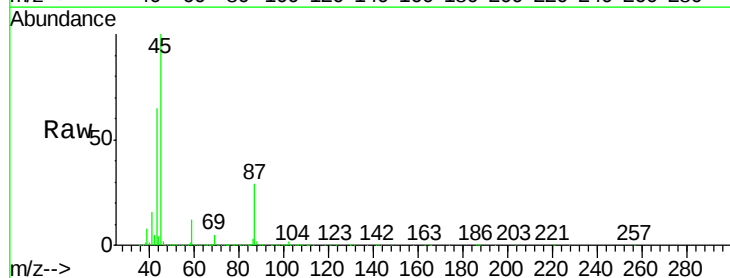
RT: 3.85 min Scan# 442

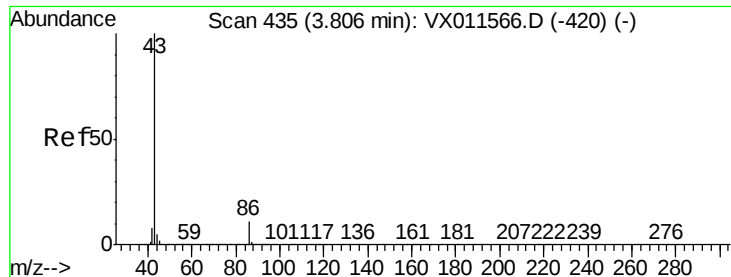
Delta R.T. 0.00 min

Lab File: VX011568.D

Acq: 15 Aug 2019 19:37

Tgt Ion:	45	Resp:	1668295
Ion	Ratio	Lower	Upper
45	100		
43	65.1	52.7	79.1
87	29.1	23.5	35.3
59	11.6	9.0	13.4





#23

Vinyl Acetate

Concen: 777.945 ug/l

RT: 3.81 min Scan# 435

Delta R.T. 0.00 min

Lab File: VX011568.D

Acq: 15 Aug 2019 19:37

Tot Ion: 43 Resp: 6851274

Ion Ratio Lower Upper

43 100

86 10.9 8.6 13.0

Instrument :

MSVOA_X

ClientSampleId :

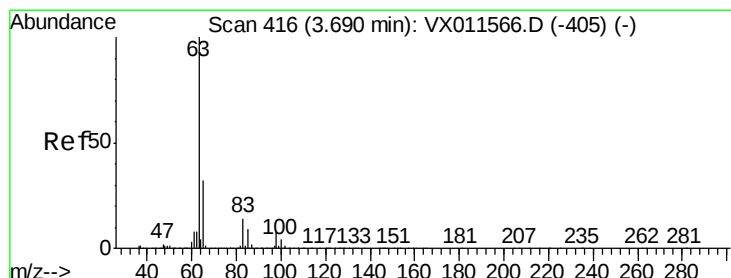
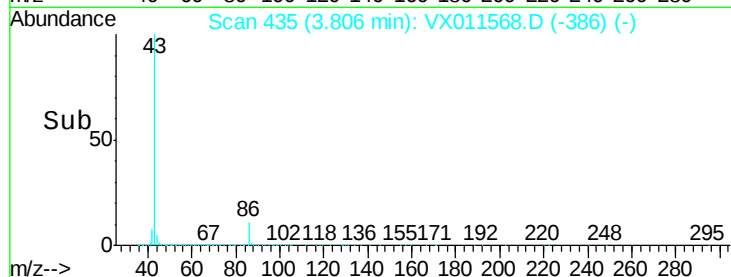
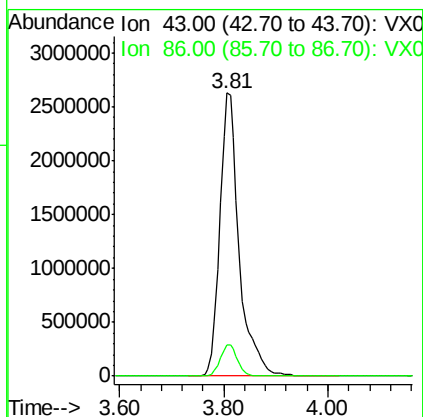
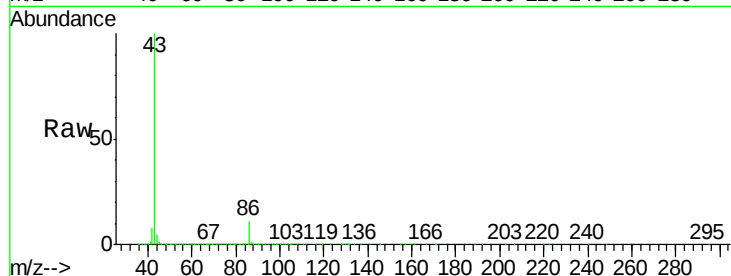
VSTDIC150

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 148.066 ug/l

RT: 3.68 min Scan# 415

Delta R.T. -0.01 min

Lab File: VX011568.D

Acq: 15 Aug 2019 19:37

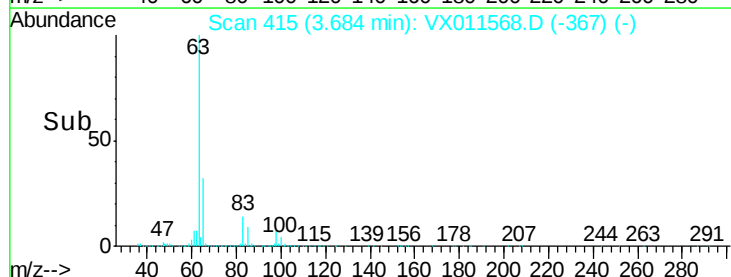
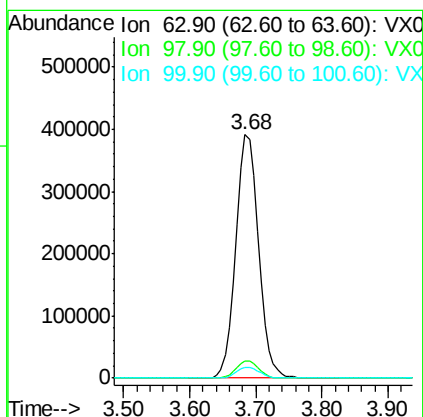
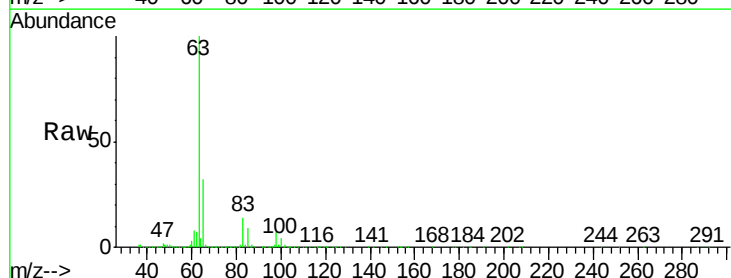
Tgt Ion: 63 Resp: 931039

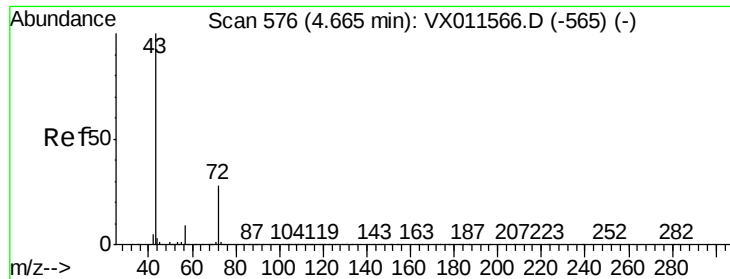
Ion Ratio Lower Upper

63 100

98 6.9 3.7 11.1

100 4.4 2.1 6.3





#25

2-Butanone

Concen: 760.841 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.01 min

Lab File: VX011568.D

Acq: 15 Aug 2019 19:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 2192941

Ion Ratio Lower Upper

43 100

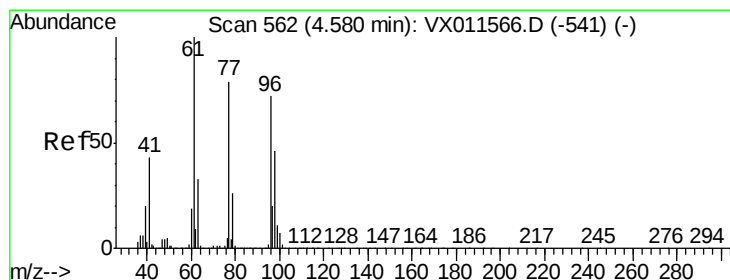
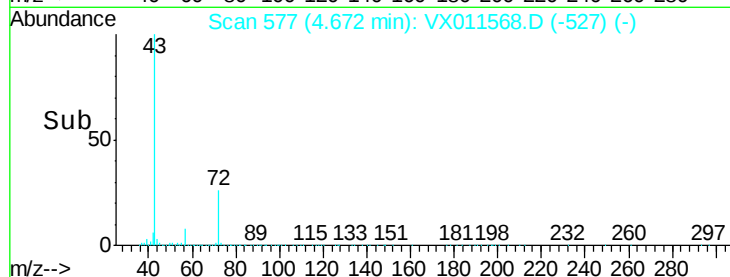
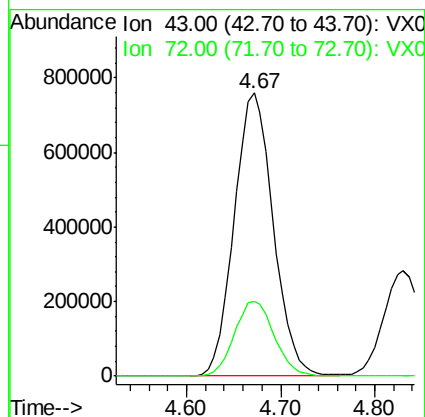
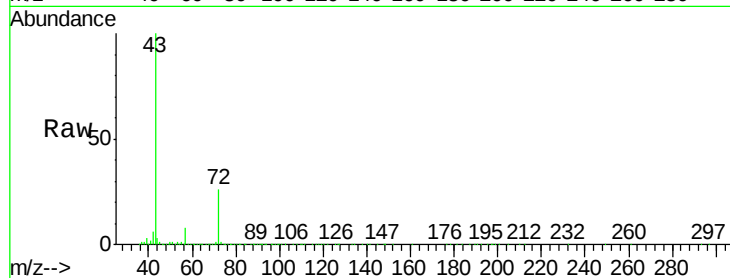
72 26.3 22.2 33.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 152.592 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.01 min

Lab File: VX011568.D

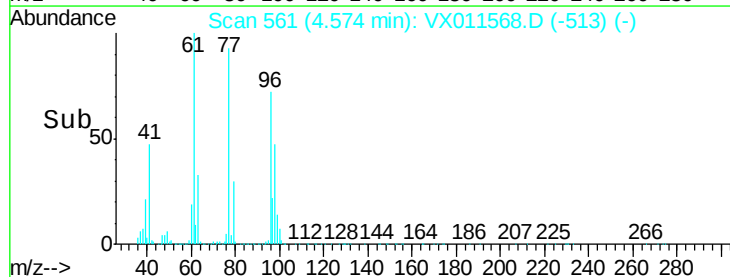
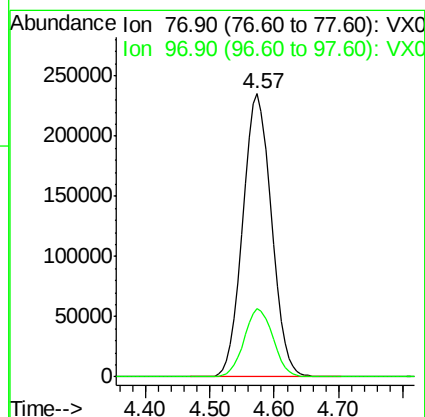
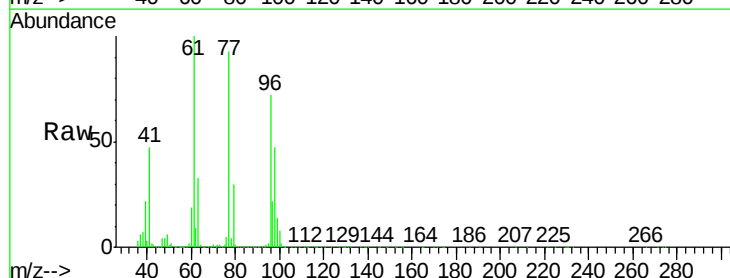
Acq: 15 Aug 2019 19:37

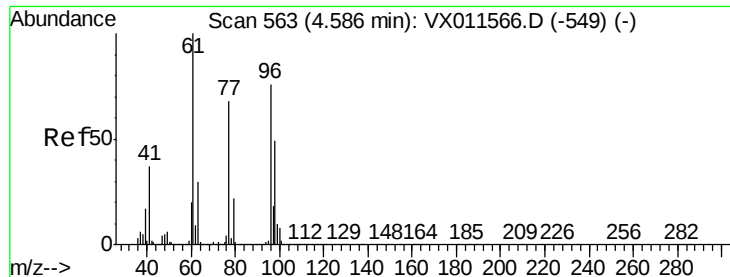
Tgt Ion: 77 Resp: 722158

Ion Ratio Lower Upper

77 100

97 24.3 12.4 37.2





#27

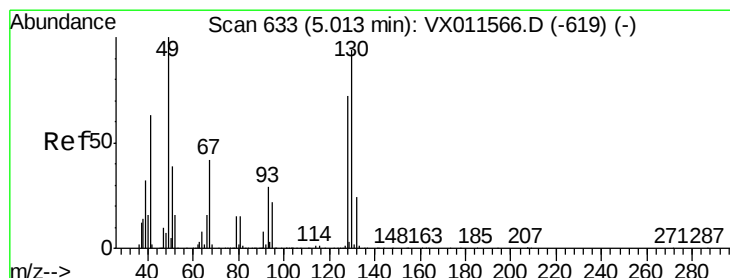
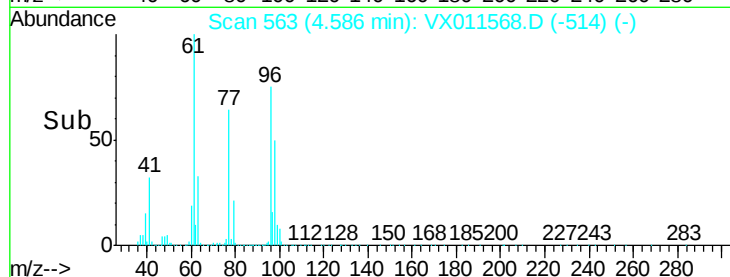
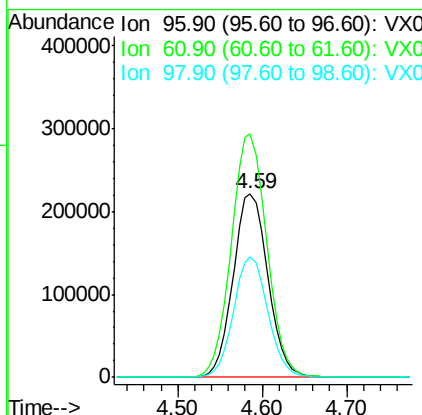
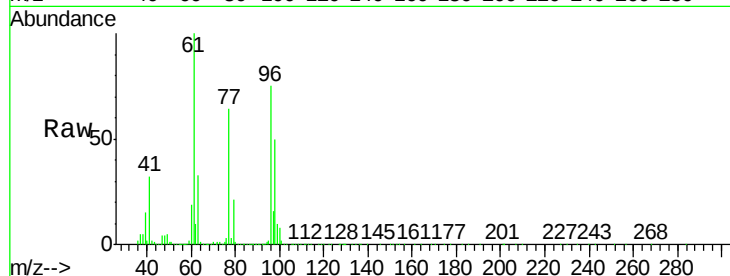
cis-1,2-Dichloroethene
Concen: 148.981 ug/l
RT: 4.59 min Scan# 563
Delta R.T. 0.00 min
Lab File: VX011568.D
Acq: 15 Aug 2019 19:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100	617867		
61	135.9	0.0	272.6	
98	65.1	0.0	129.4	

Manual Integrations
APPROVED

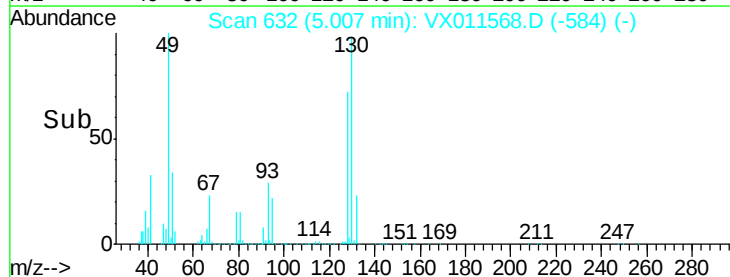
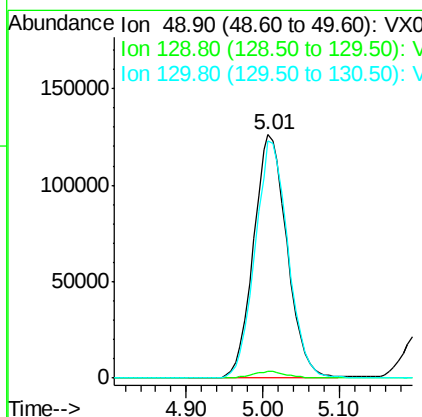
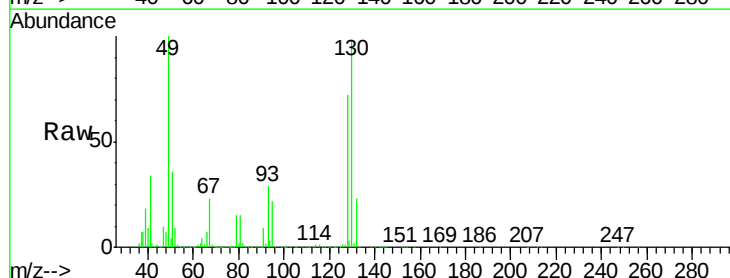
MMDadoda
8/16/2019 8:29:39 AM

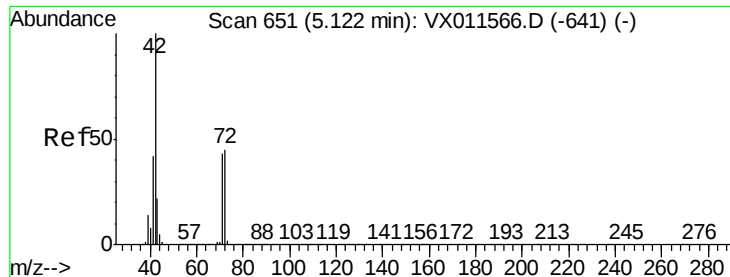


#28

Bromochloromethane
Concen: 139.321 ug/l
RT: 5.01 min Scan# 632
Delta R.T. -0.01 min
Lab File: VX011568.D
Acq: 15 Aug 2019 19:37

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	384573		
129	2.7	0.0	5.0	
130	96.3	76.6	115.0	





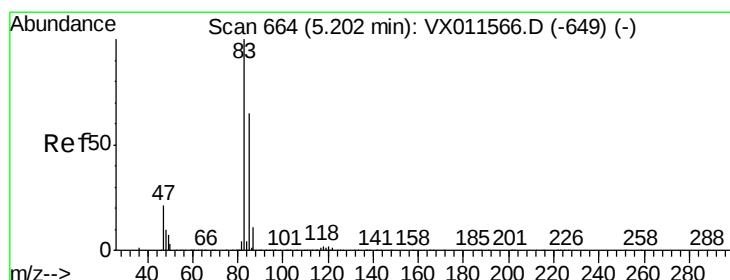
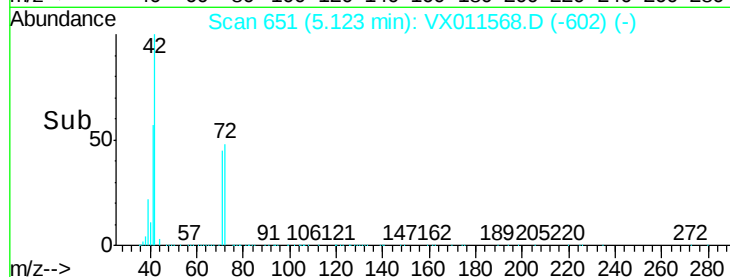
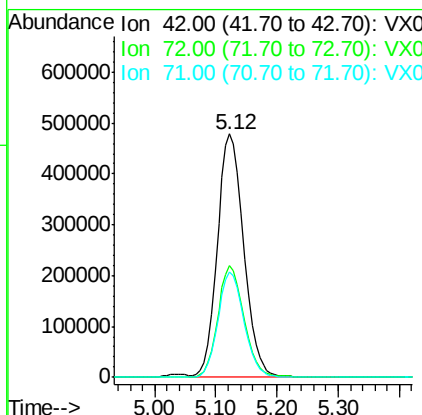
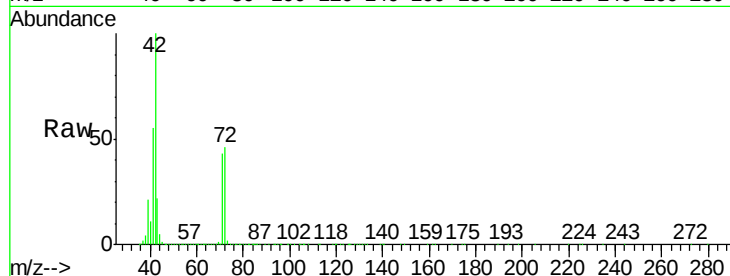
#29
Tetrahydrofuran
Concen: 757.981 ug/l
RT: 5.12 min Scan# 651
Delta R.T. 0.00 min
Lab File: VX011568.D
Acq: 15 Aug 2019 19:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.5	36.1	54.1
71	42.7	33.8	50.8

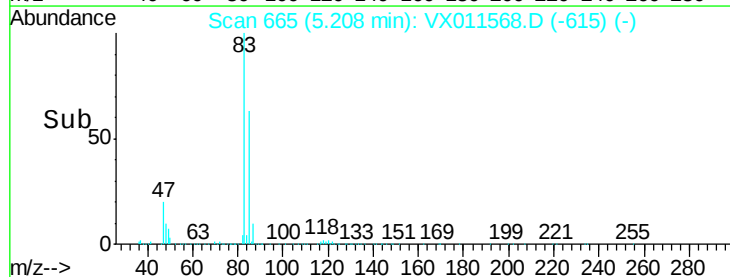
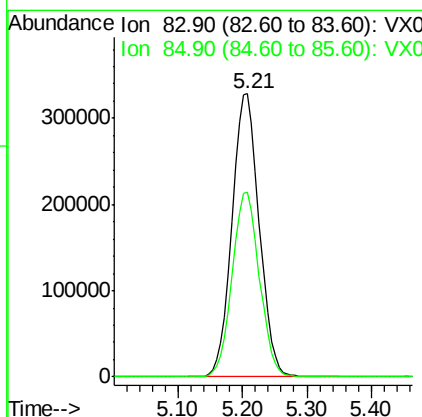
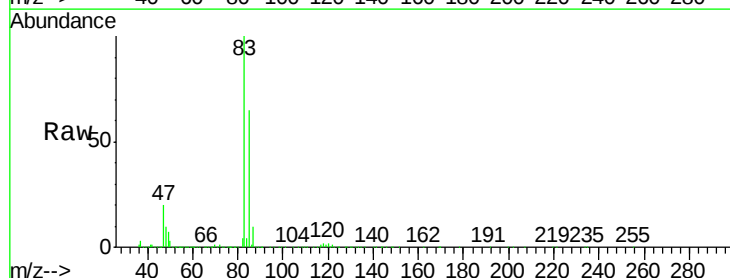
Manual Integrations
APPROVED

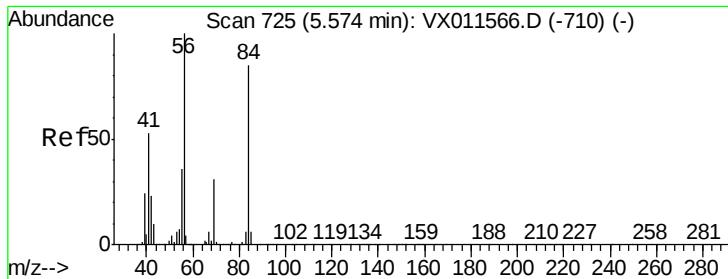
MMDadoda
8/16/2019 8:29:39 AM



#30
Chloroform
Concen: 145.757 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.01 min
Lab File: VX011568.D
Acq: 15 Aug 2019 19:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.9	77.9





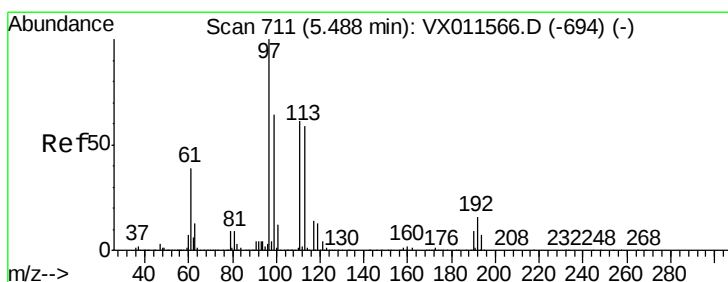
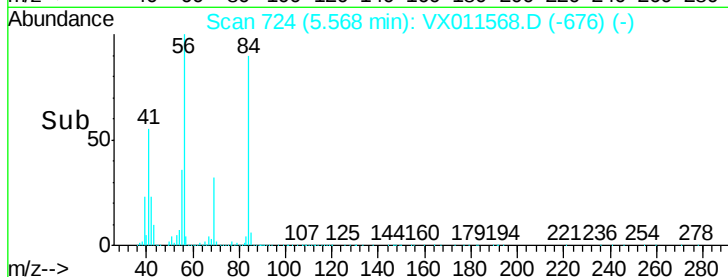
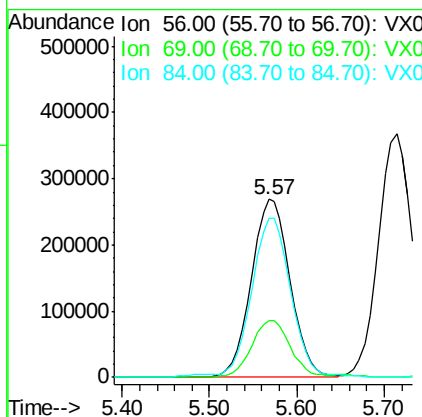
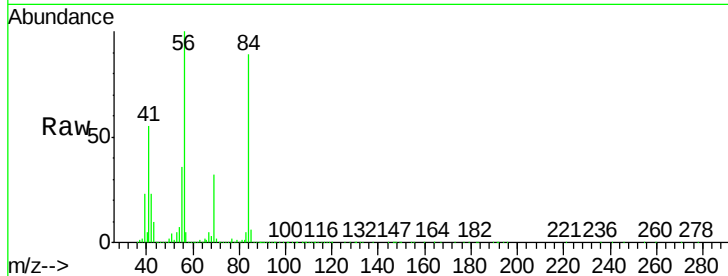
#31
Cvclohexane
Concen: 152.951 ug/l
RT: 5.57 min Scan# 724
Delta R.T. -0.01 min
Lab File: VX011568.D
Acq: 15 Aug 2019 19:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.7	24.8	37.2
84	88.2	67.9	101.9

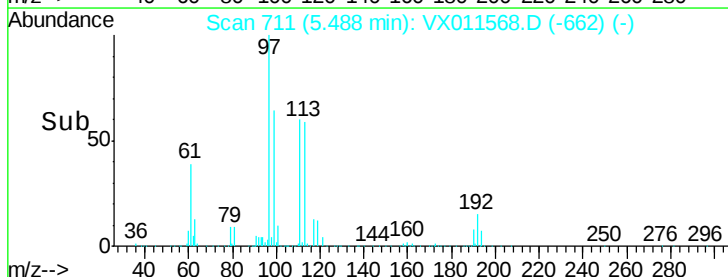
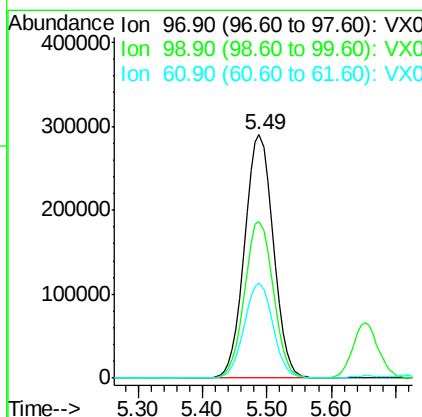
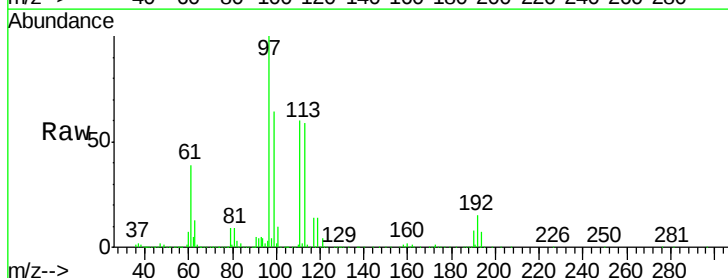
Manual Integrations
APPROVED

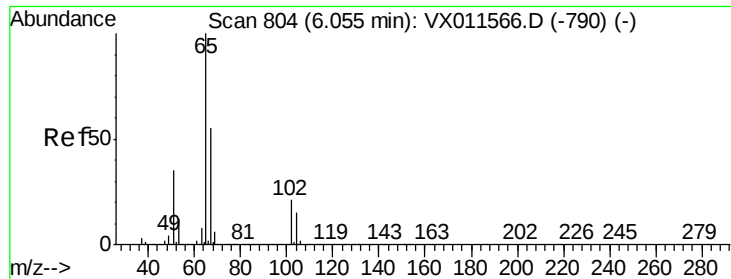
MMDadoda
8/16/2019 8:29:39 AM



#32
1,1,1-Trichloroethane
Concen: 155.187 ug/l
RT: 5.49 min Scan# 711
Delta R.T. 0.00 min
Lab File: VX011568.D
Acq: 15 Aug 2019 19:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.4	77.0
61	39.1	31.4	47.2





#33

1,2-Dichloroethane-d4

Concen: 137.682 ug/l

RT: 6.06 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX011568.D

Acq: 15 Aug 2019 19:37

Tot Ion: 65 Resp: 502713

Ion Ratio Lower Upper

65 100

67 53.3 0.0 107.6

Instrument :

MSVOA_X

ClientSampleId :

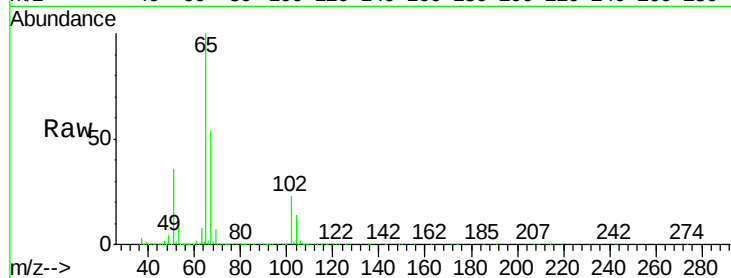
VSTDIC150

Manual Integrations

APPROVED

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8/16/2019 8:29:39 AM



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

200000

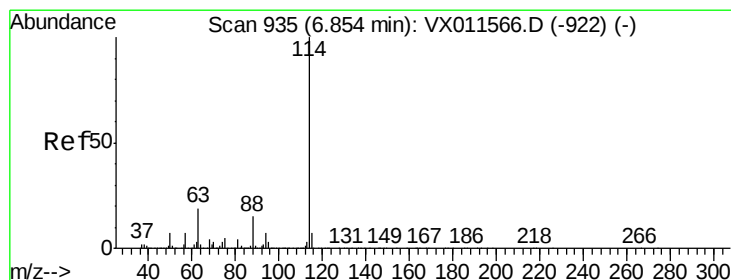
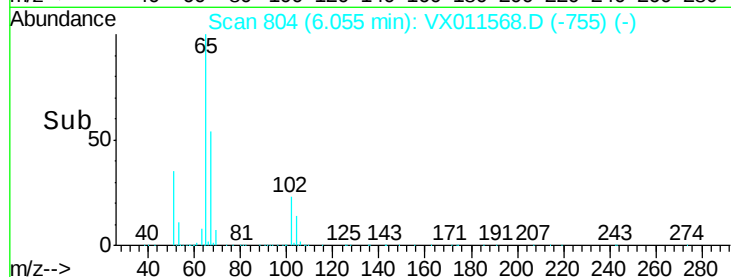
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. 0.00 min

Lab File: VX011568.D

Acq: 15 Aug 2019 19:37

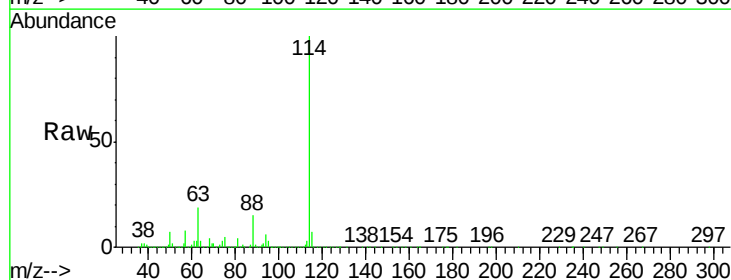
Tgt Ion: 114 Resp: 541592

Ion Ratio Lower Upper

114 100

63 18.6 0.0 37.8

88 15.4 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

300000

250000

200000

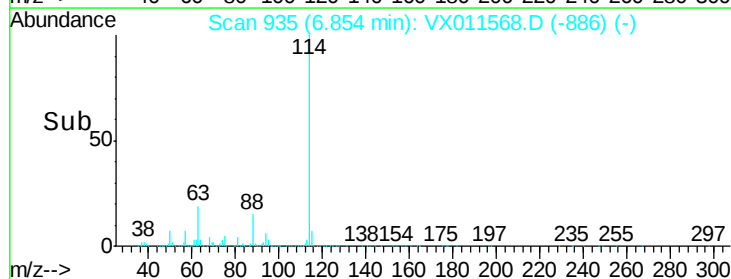
150000

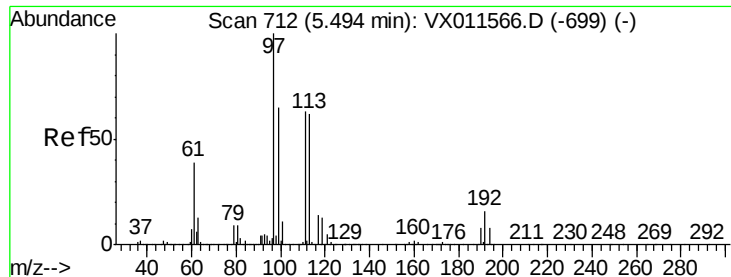
100000

50000

0

Time-->





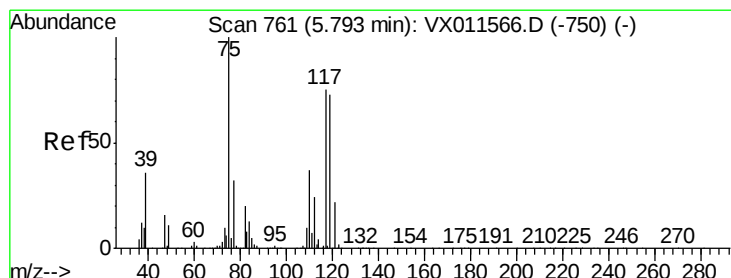
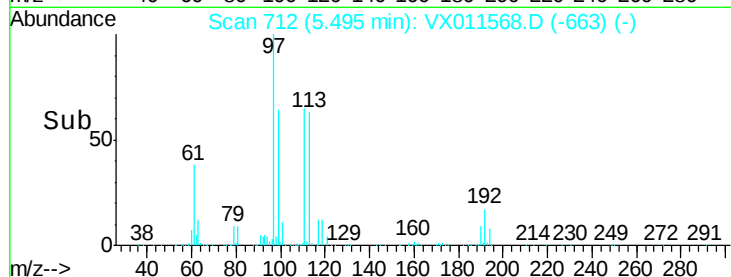
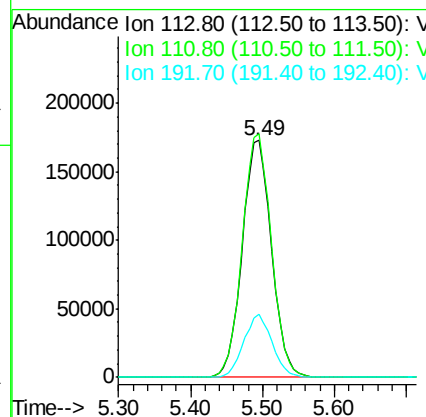
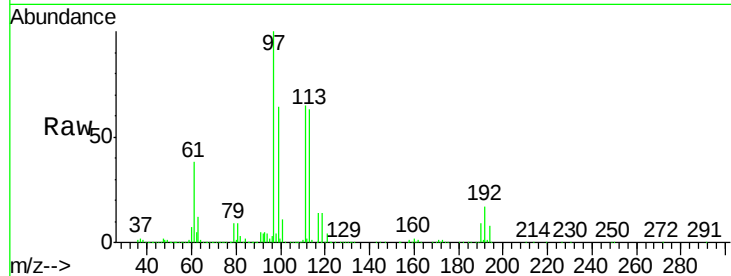
#35
 Dibromofluoromethane
 Concen: 137.727 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX011568.D
 Acq: 15 Aug 2019 19:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
113	100	487876		
111	102.1	81.1	121.7	
192	25.9	20.8	31.2	

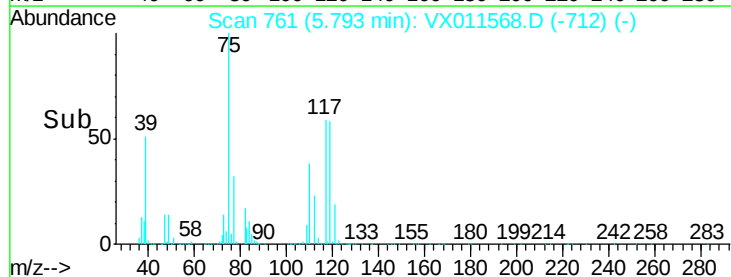
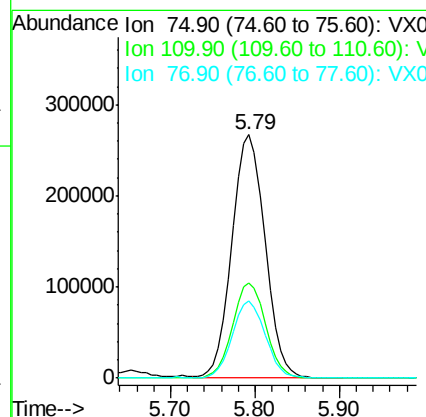
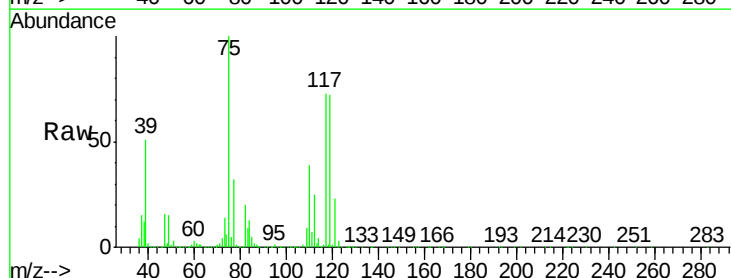
Manual Integrations
 APPROVED

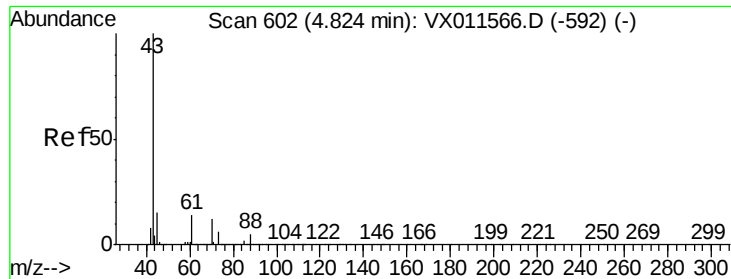
MMDadoda
 8/16/2019 8:29:39 AM



#36
 1,1-Dichloropropene
 Concen: 154.285 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. 0.00 min
 Lab File: VX011568.D
 Acq: 15 Aug 2019 19:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	714422		
110	39.0	19.4	58.1	
77	31.7	25.1	37.7	





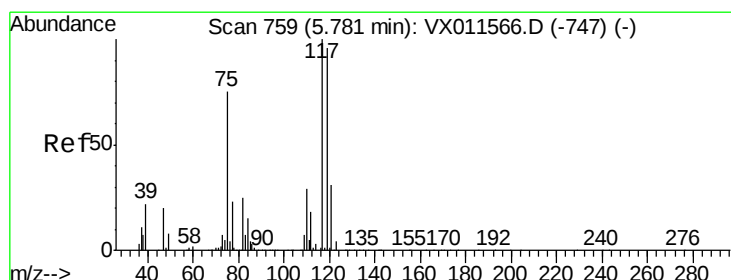
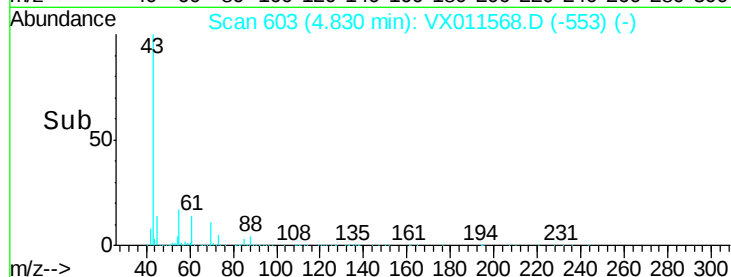
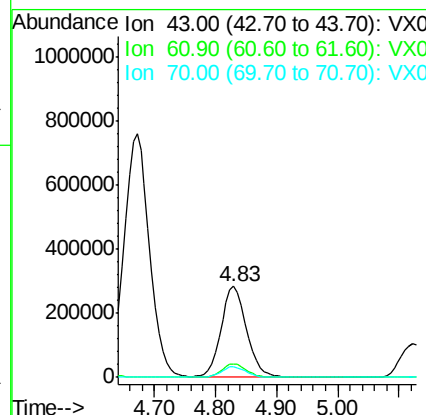
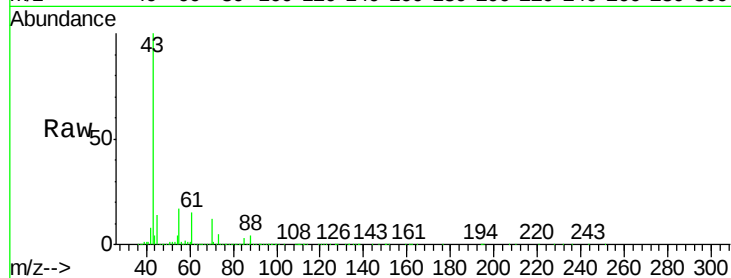
#37
Ethyl Acetate
Concen: 154.344 ug/l
RT: 4.83 min Scan# 603
Delta R.T. 0.01 min
Lab File: VX011568.D
Acq: 15 Aug 2019 19:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.4	17.0
70	11.3	9.0	13.6

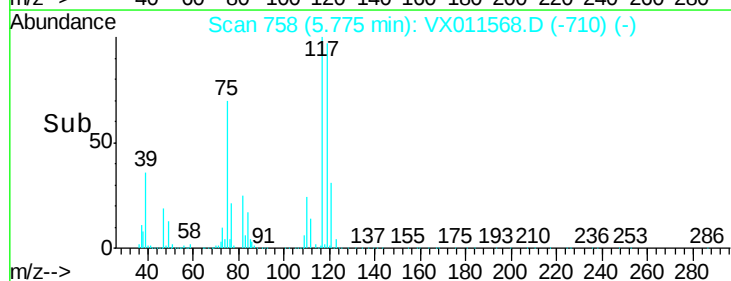
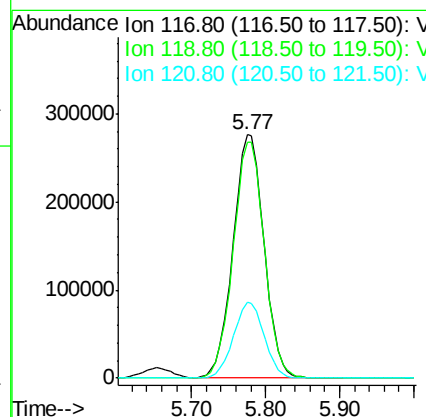
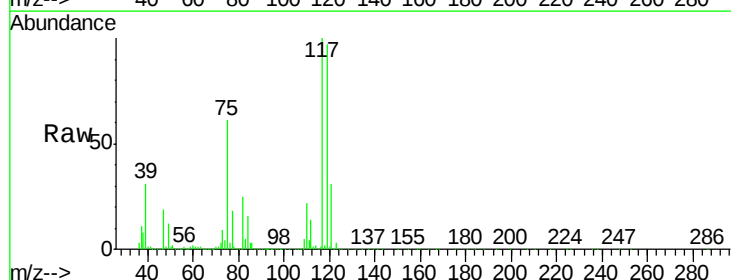
Manual Integrations
APPROVED

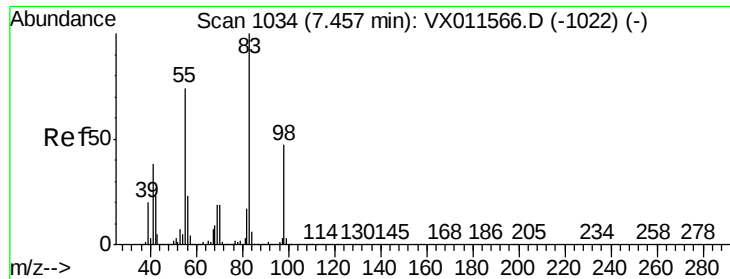
MMDadoda
8/16/2019 8:29:39 AM



#38
Carbon Tetrachloride
Concen: 157.556 ug/l
RT: 5.77 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX011568.D
Acq: 15 Aug 2019 19:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.8	76.9	115.3
121	31.3	24.8	37.2





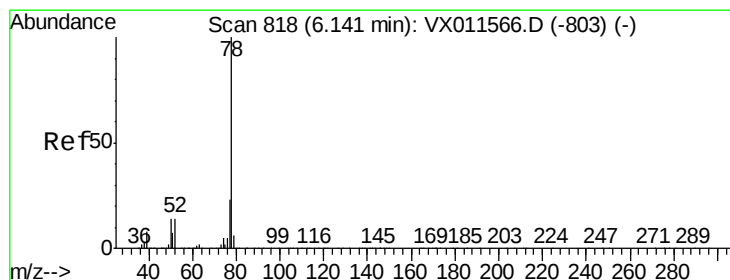
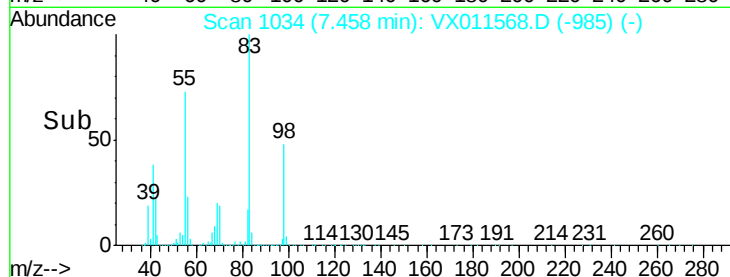
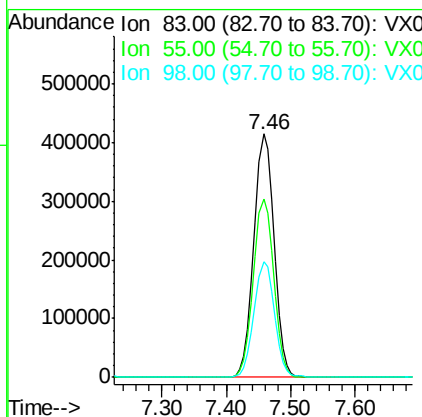
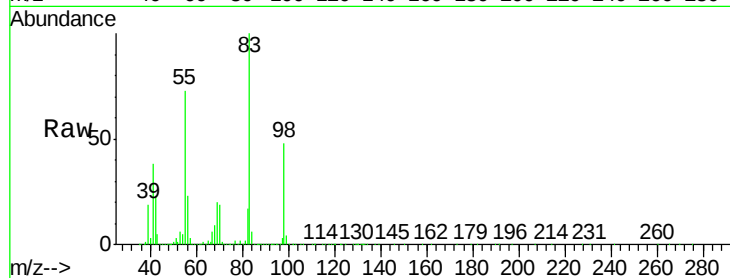
#39
Methvlcvclohexane
Concen: 155.360 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX011568.D
Acq: 15 Aug 2019 19:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.2	58.8	88.2
98	47.5	37.8	56.6

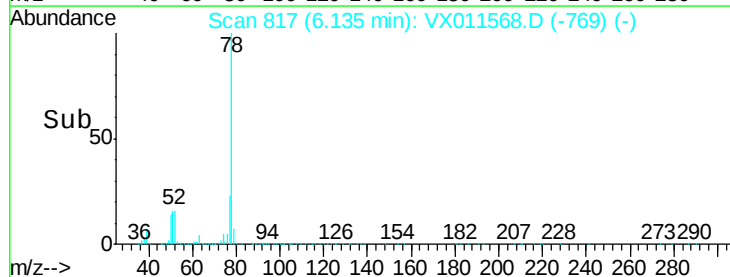
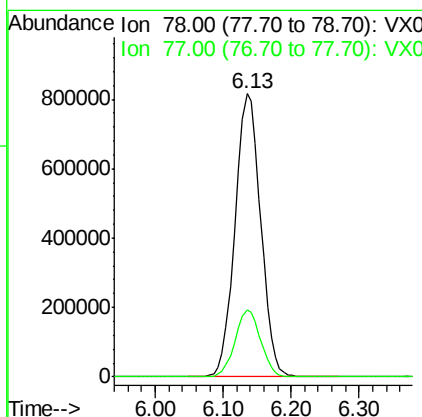
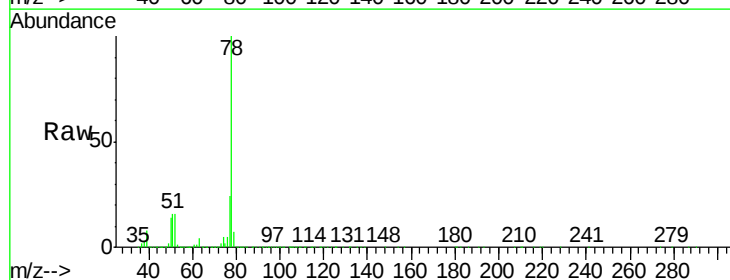
Manual Integrations
APPROVED

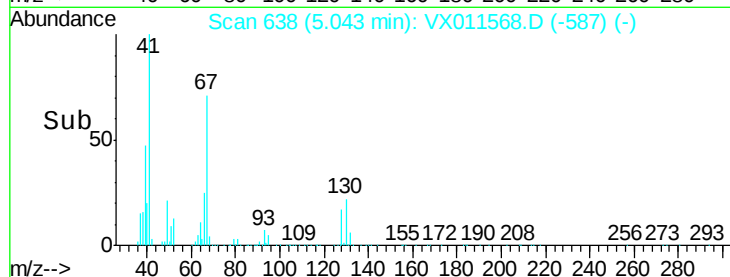
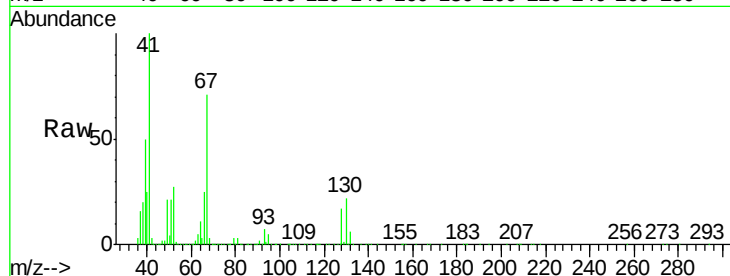
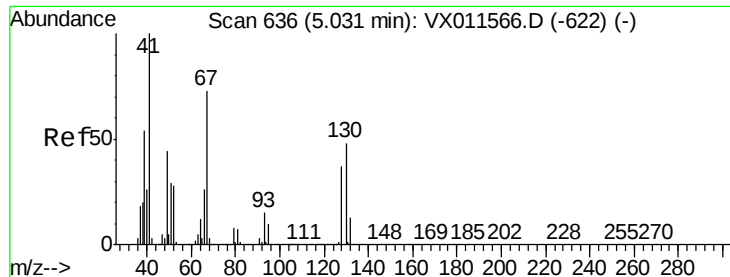
MMDadoda
8/16/2019 8:29:39 AM



#40
Benzene
Concen: 148.218 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX011568.D
Acq: 15 Aug 2019 19:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.6	28.0





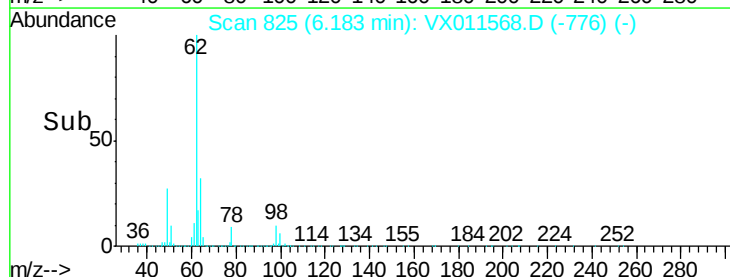
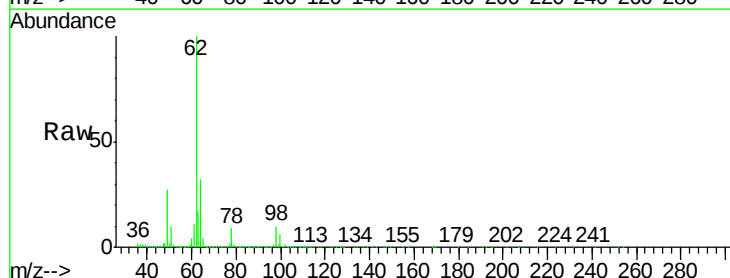
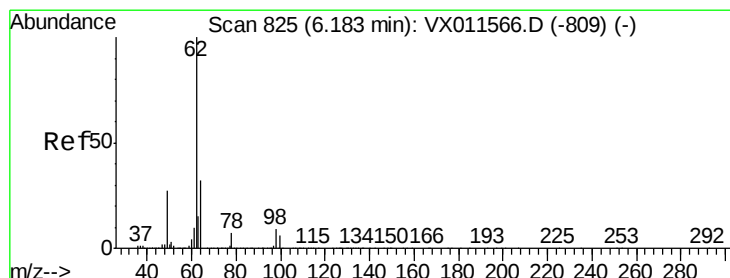
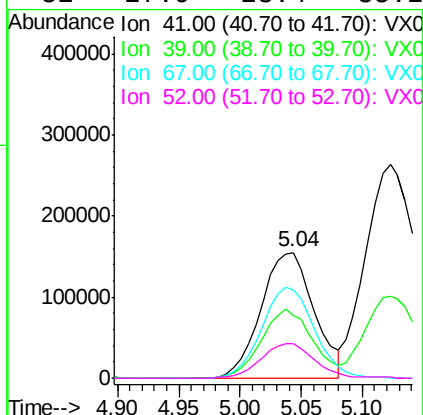
#41
Methacrylonitrile
Concen: 159.504 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.01 min
Lab File: VX011568.D
Acq: 15 Aug 2019 19:37

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		467551		
39	52.9	43.5	65.3		
67	72.5	59.4	89.2		
52	27.9	23.4	35.2		

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

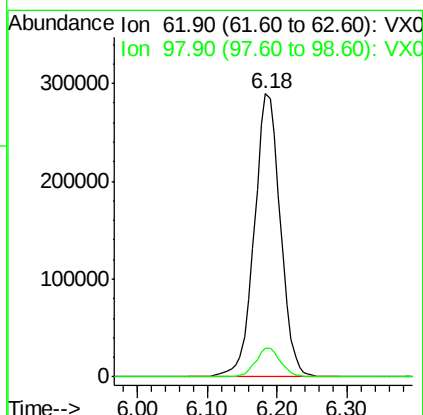
Manual Integrations
APPROVED

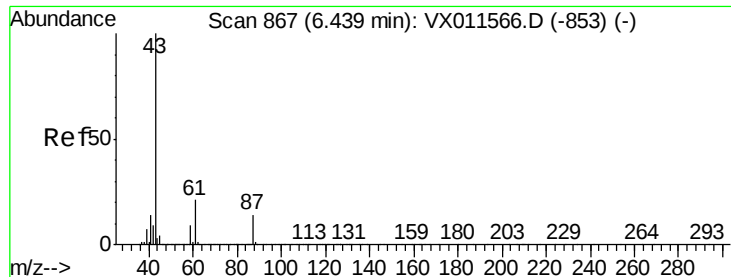
MMDadoda
8/16/2019 8:29:39 AM



#42
1,2-Dichloroethane
Concen: 149.481 ug/l
RT: 6.18 min Scan# 825
Delta R.T. 0.00 min
Lab File: VX011568.D
Acq: 15 Aug 2019 19:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		745246		
98	9.8	0.0	19.4		





#43

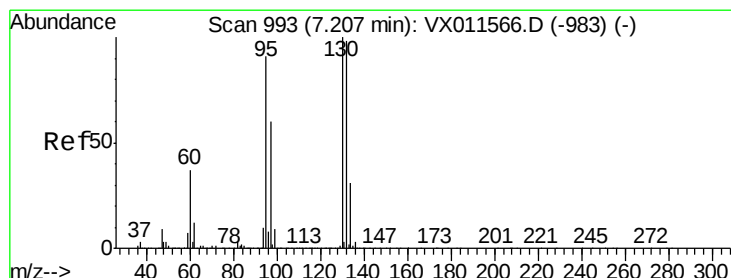
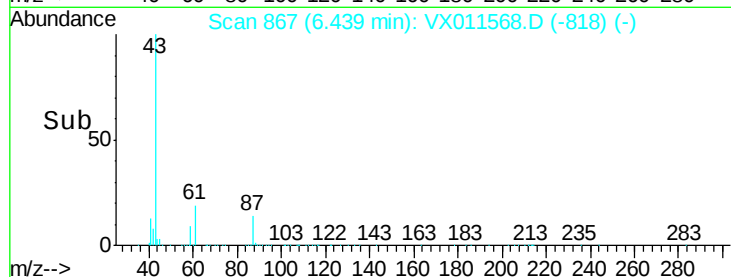
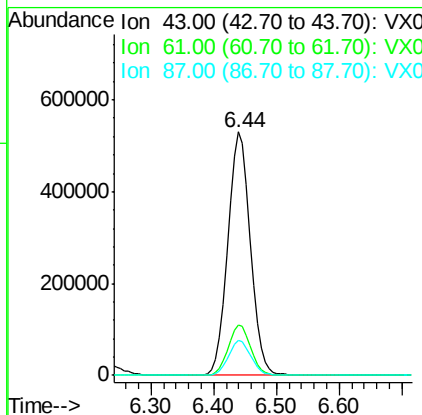
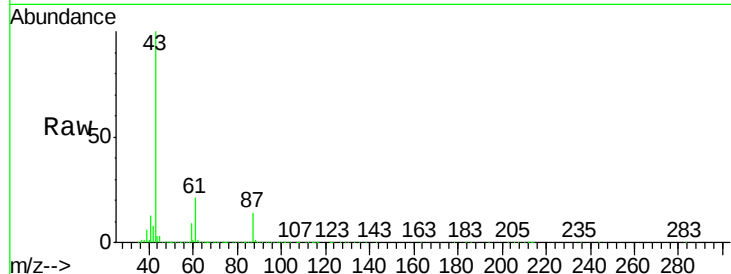
Isopropyl Acetate
 Concen: 157.722 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. 0.00 min
 Lab File: VX011568.D
 Acq: 15 Aug 2019 19:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.8	16.6	24.8
87	14.3	11.4	17.2

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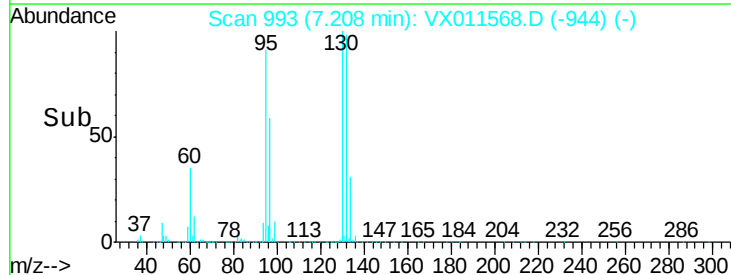
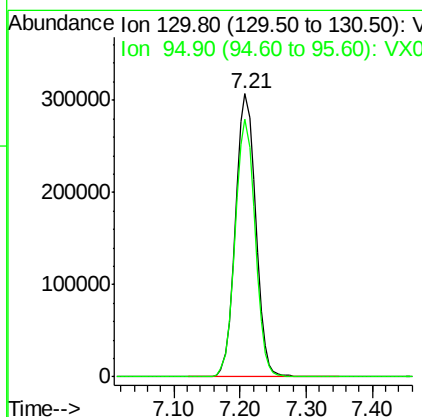
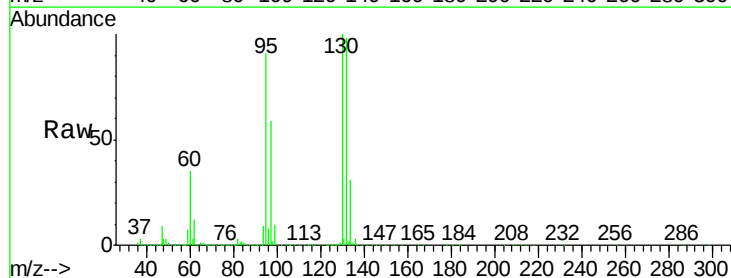
MMDadoda
 8/16/2019 8:29:39 AM

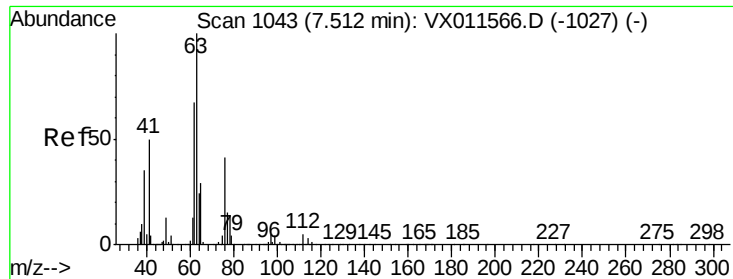


#44

Trichloroethene
 Concen: 152.689 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. 0.00 min
 Lab File: VX011568.D
 Acq: 15 Aug 2019 19:37

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.0	0.0	181.4





#45

1,2-Dichloropropane

Concen: 153.468 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX011568.D

Acq: 15 Aug 2019 19:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 550752

Ion Ratio Lower Upper

63 100

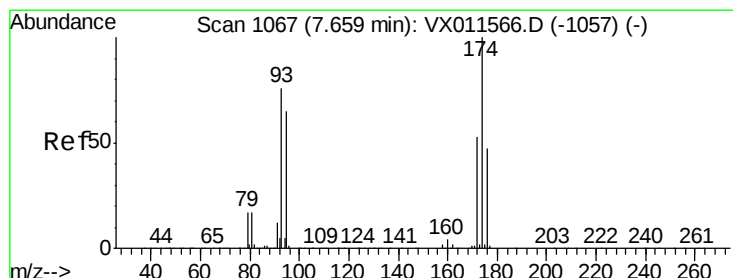
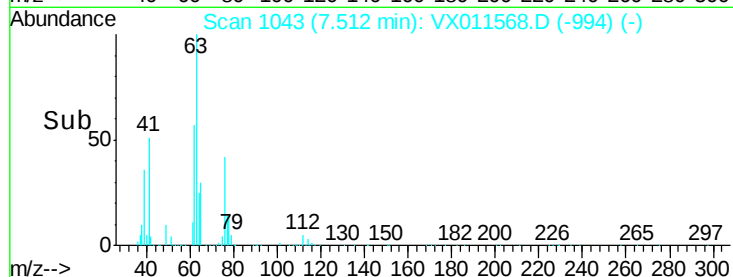
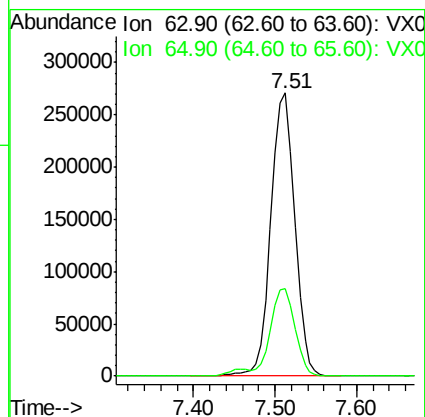
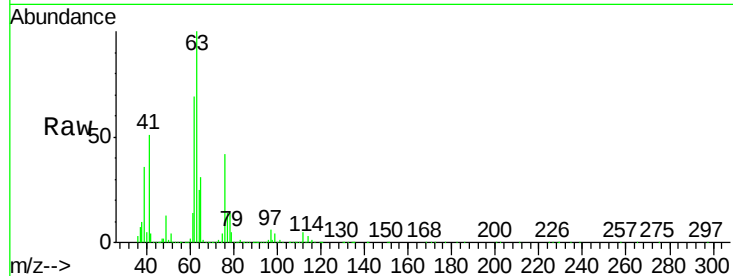
65 31.1 23.4 35.2

Manual Integrations

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#46

Dibromomethane

Concen: 149.533 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX011568.D

Acq: 15 Aug 2019 19:37

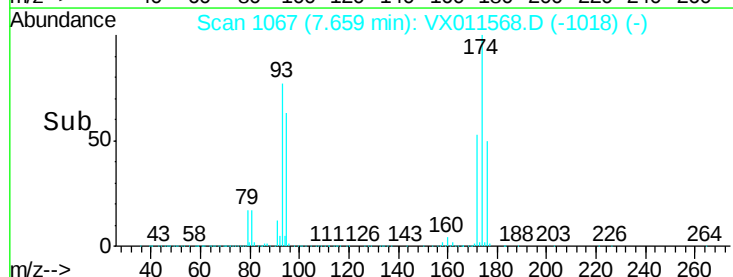
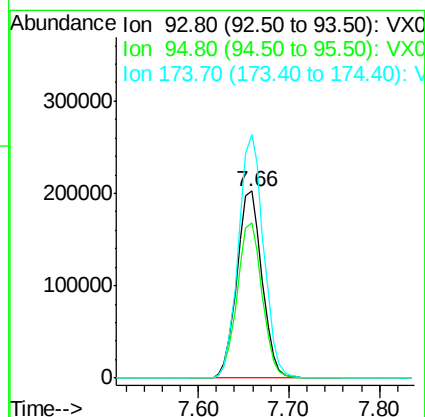
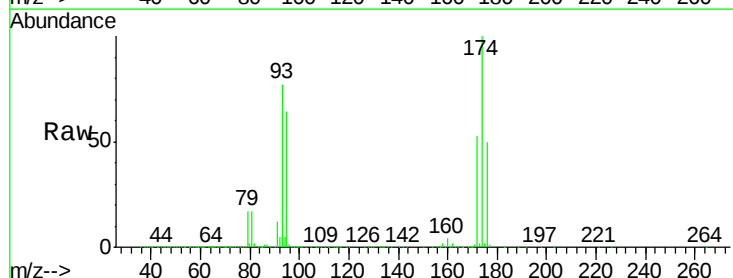
Tgt Ion: 93 Resp: 389962

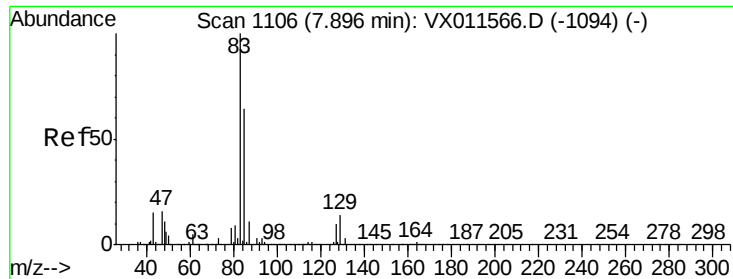
Ion Ratio Lower Upper

93 100

95 82.5 67.2 100.8

174 129.7 105.5 158.3





#47

Bromodichloromethane

Concen: 158.969 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX011568.D

Acq: 15 Aug 2019 19:37

Instrument :

MSVOA_X

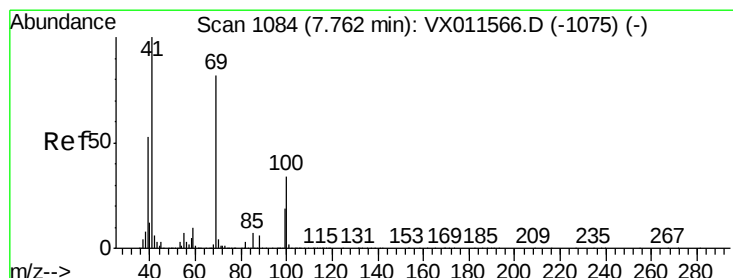
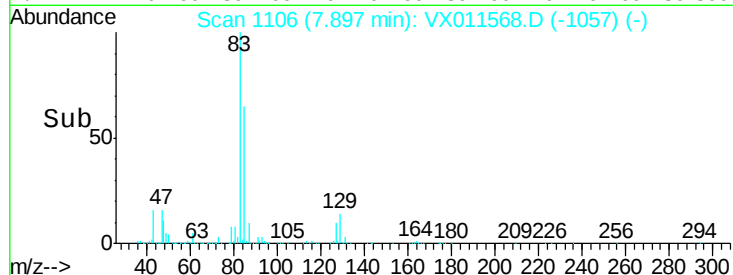
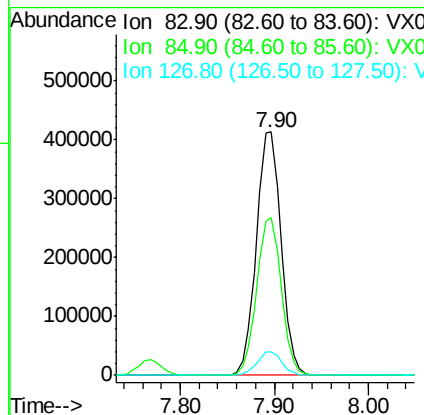
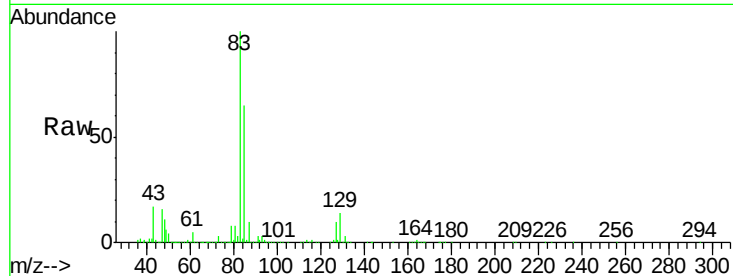
ClientSampleId :

VSTDICC150

Tot Ion:	83	Resp:	761202
Ion Ratio	Lower	Upper	
83	100		
85	64.8	51.2	76.8
127	9.9	8.1	12.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 161.053 ug/l

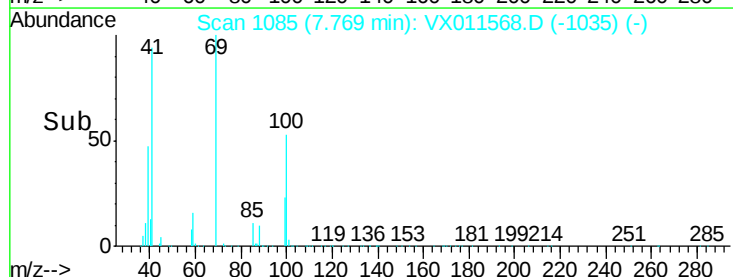
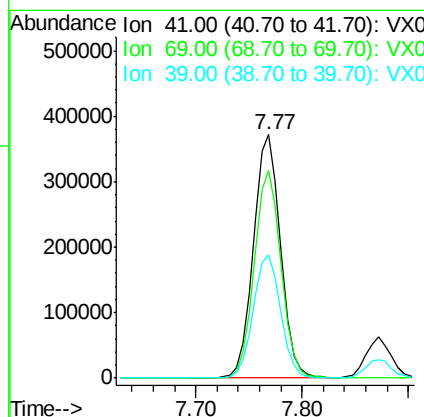
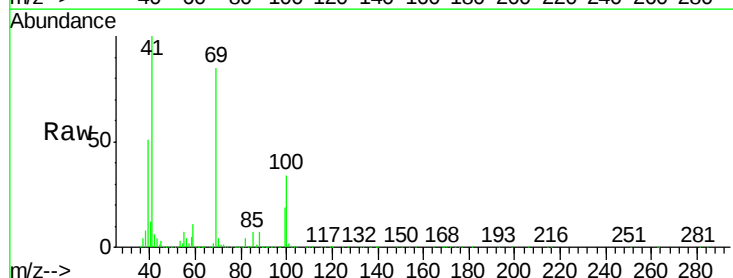
RT: 7.77 min Scan# 1085

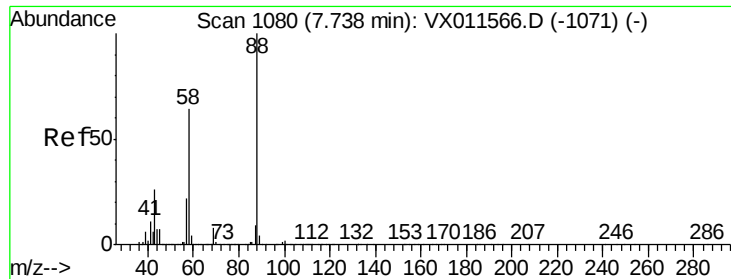
Delta R.T. 0.01 min

Lab File: VX011568.D

Acq: 15 Aug 2019 19:37

Tgt Ion:	41	Resp:	662919
Ion Ratio	Lower	Upper	
41	100		
69	84.9	67.9	101.9
39	51.3	41.6	62.4





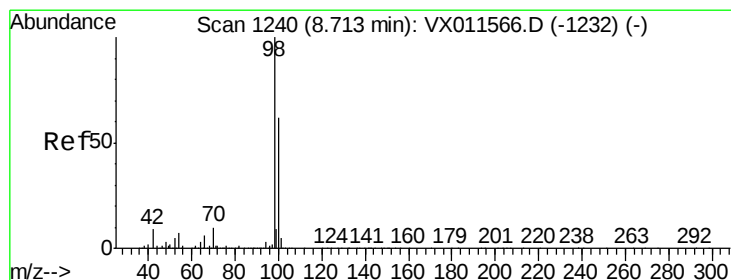
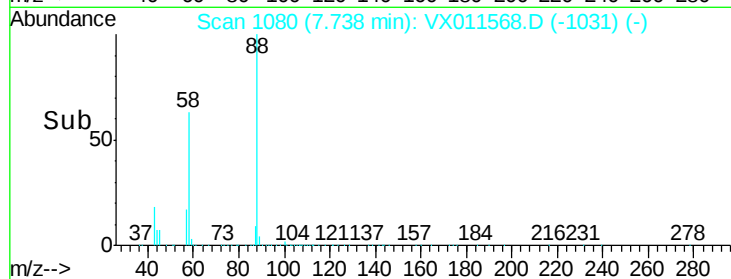
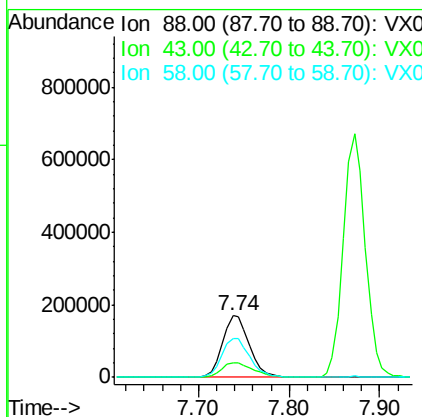
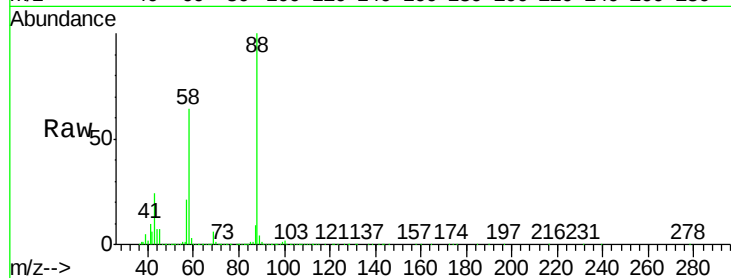
#49
1,4-Dioxane
Concen: 3186.297 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX011568.D
Acq: 15 Aug 2019 19:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
88	100	348836		
43	28.4		23.4	35.0
58	66.7		54.3	81.5

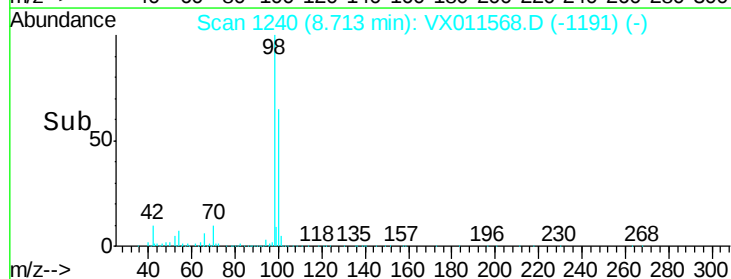
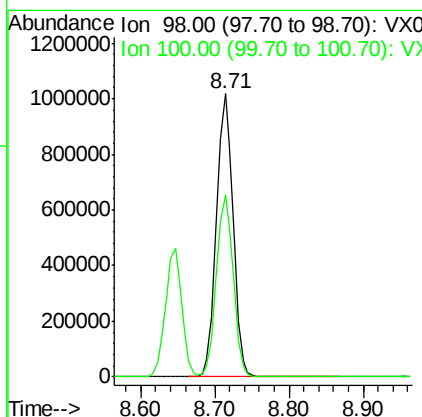
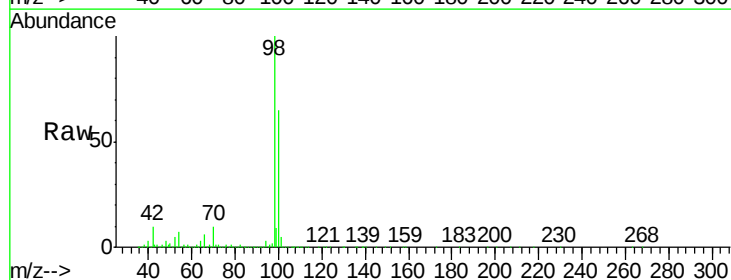
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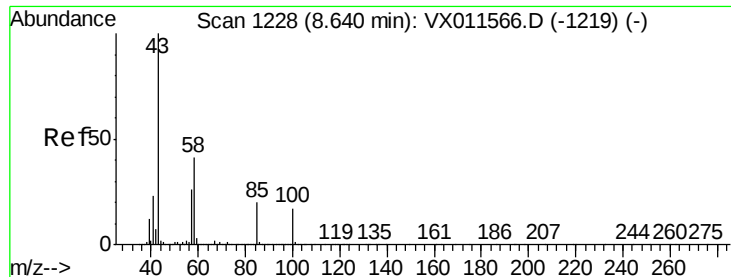
MMDadoda
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#50
Toluene-d8
Concen: 141.232 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011568.D
Acq: 15 Aug 2019 19:37

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	1558850		
100	65.0		52.4	78.6





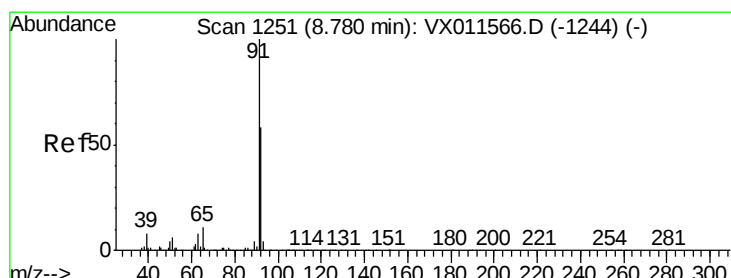
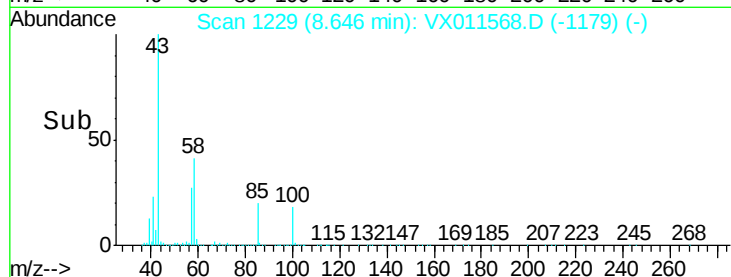
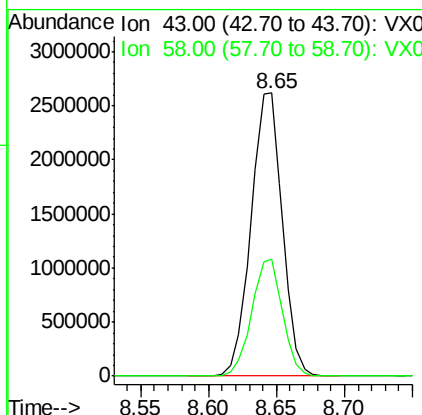
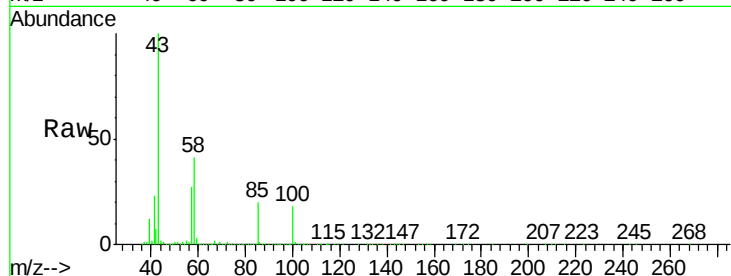
#51
4-Methyl-2-Pentanone
Concen: 779.837 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. 0.01 min
Lab File: VX011568.D
Acq: 15 Aug 2019 19:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 4242667
Ion Ratio Lower Upper
43 100
58 40.5 31.8 47.6

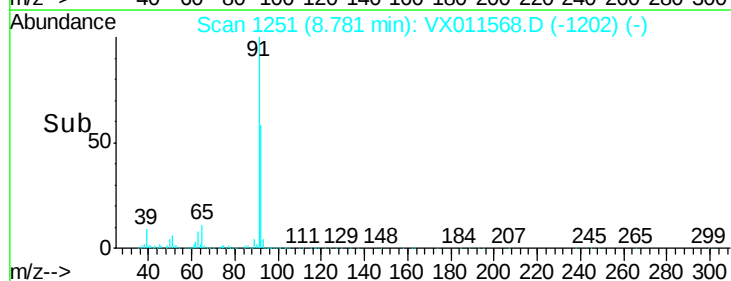
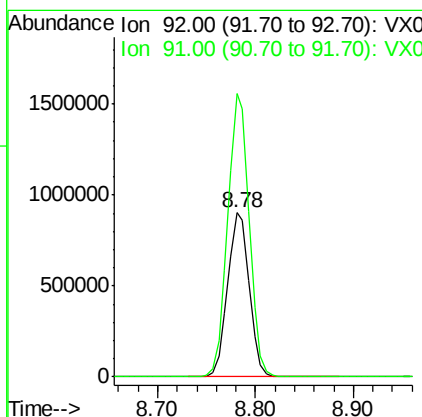
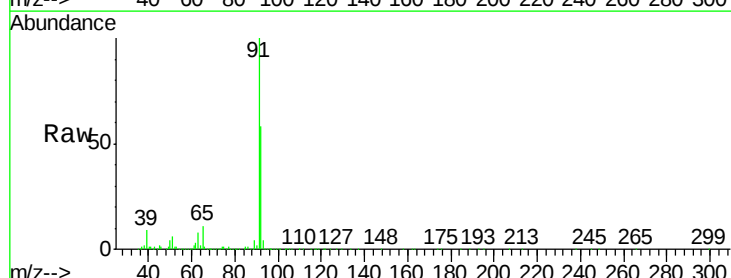
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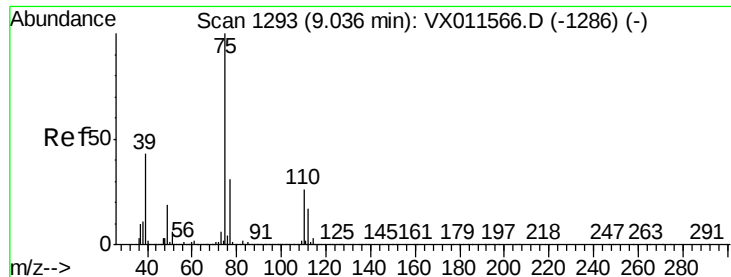
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#52
Toluene
Concen: 150.316 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VX011568.D
Acq: 15 Aug 2019 19:37

Tgt Ion: 92 Resp: 1378034
Ion Ratio Lower Upper
92 100
91 171.5 138.0 207.0





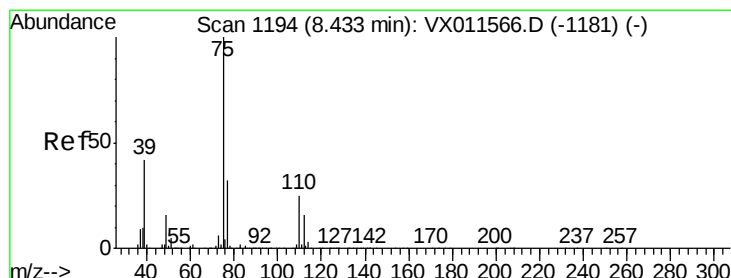
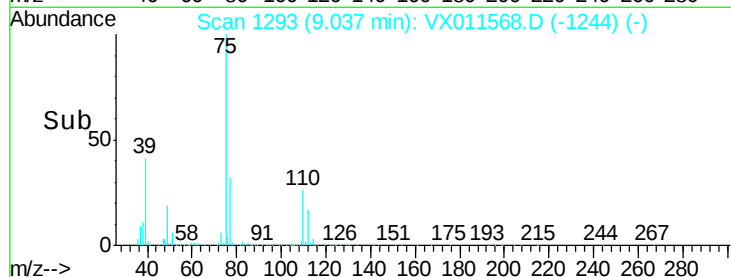
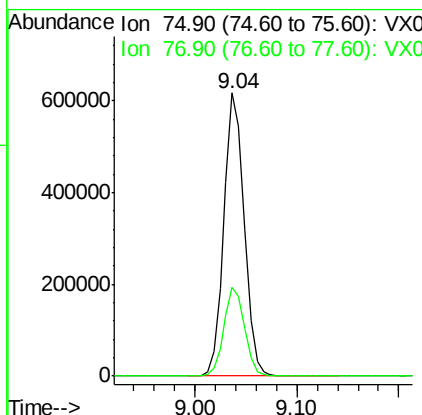
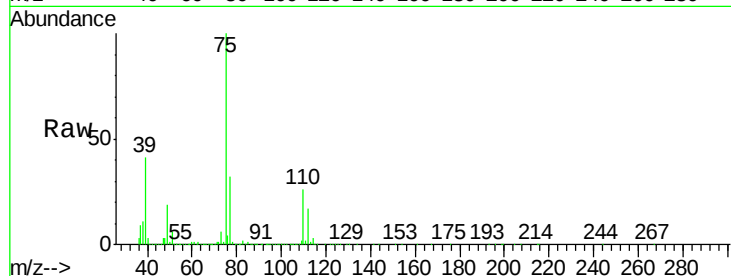
#53
t-1,3-Dichloropropene
Concen: 171.719 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX011568.D
Acq: 15 Aug 2019 19:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.1	37.7

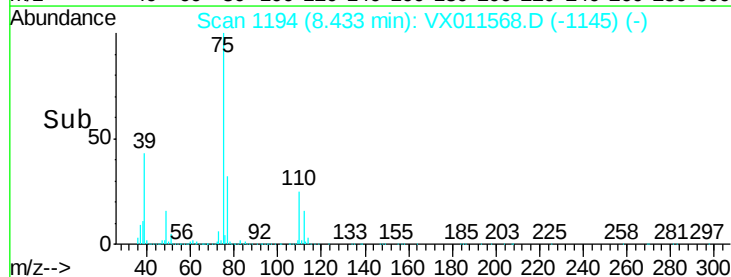
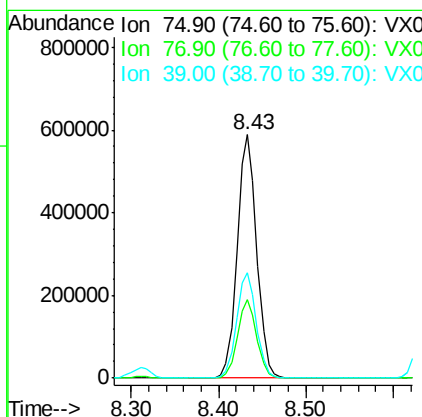
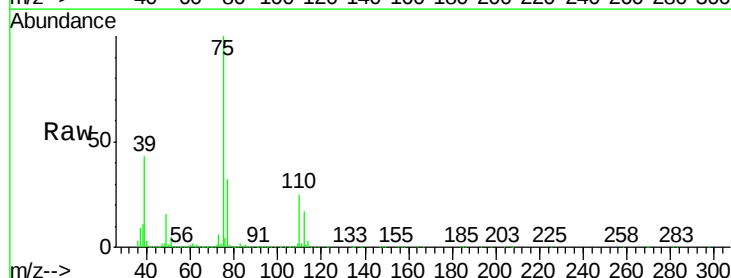
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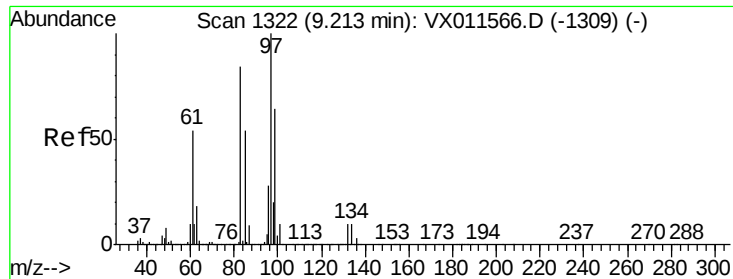
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#54
cis-1,3-Dichloropropene
Concen: 167.494 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX011568.D
Acq: 15 Aug 2019 19:37

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.5	38.3
39	43.1	33.6	50.4





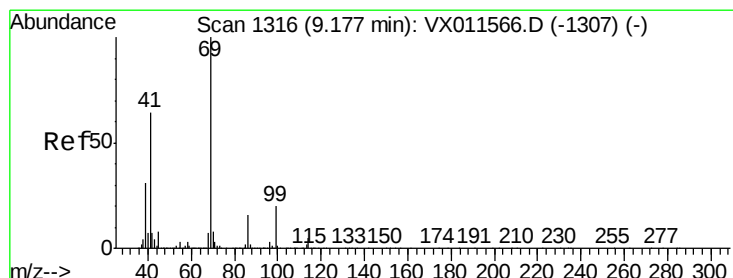
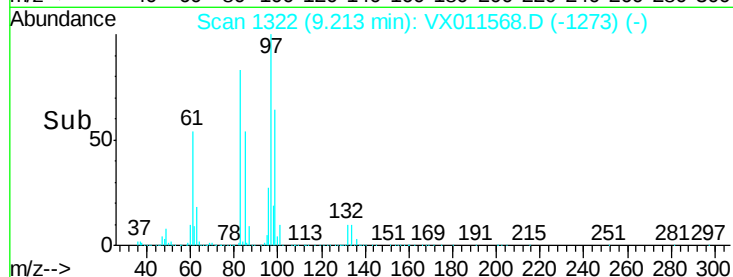
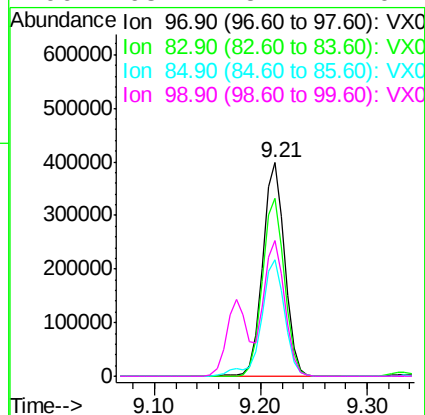
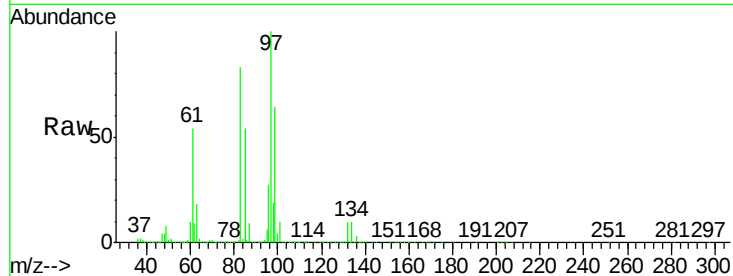
#55
 1,1,2-Trichloroethane
 Concen: 148.354 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX011568.D
 Acq: 15 Aug 2019 19:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		578362		
83	83.4	67.4	101.0		
85	54.3	43.4	65.2		
99	63.7	51.1	76.7		

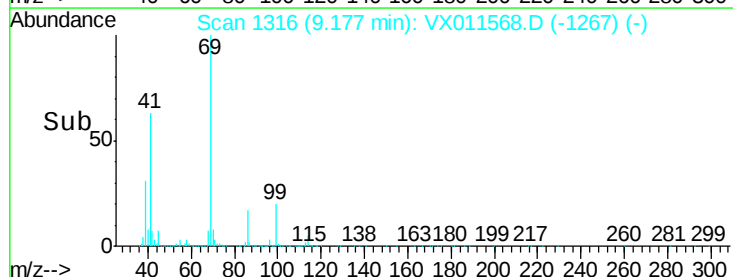
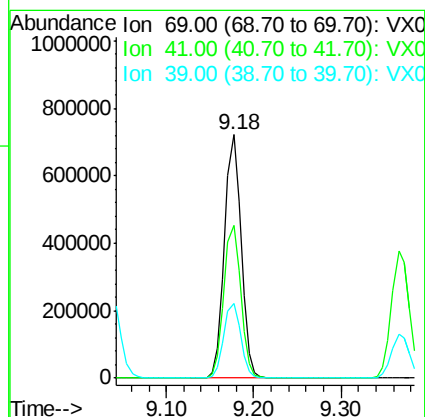
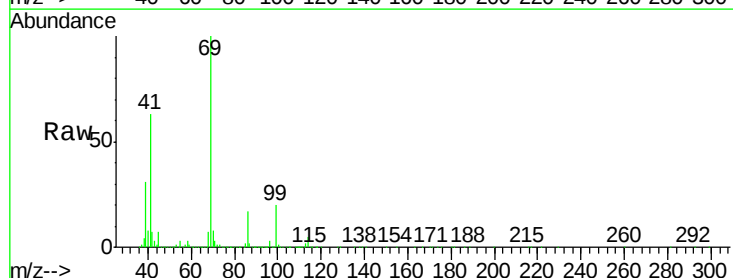
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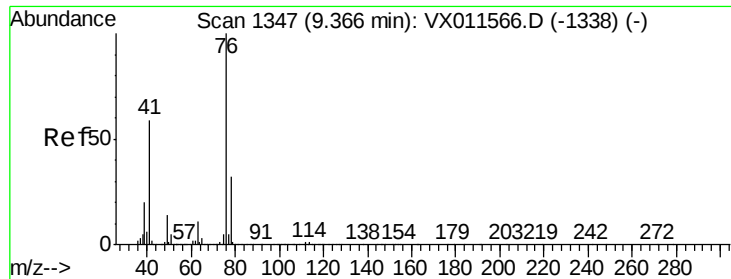
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#56
 Ethyl methacrylate
 Concen: 167.515 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX011568.D
 Acq: 15 Aug 2019 19:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		949181		
41	63.9	52.1	78.1		
39	31.2	25.4	38.0		





#57

1,3-Dichloropropane

Concen: 149.048 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VX011568.D

Acq: 15 Aug 2019 19:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 923651

Ion Ratio Lower Upper

76 100

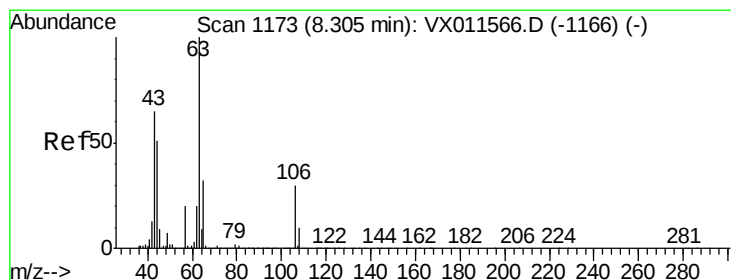
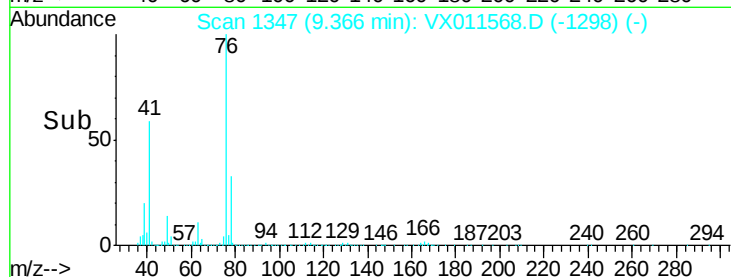
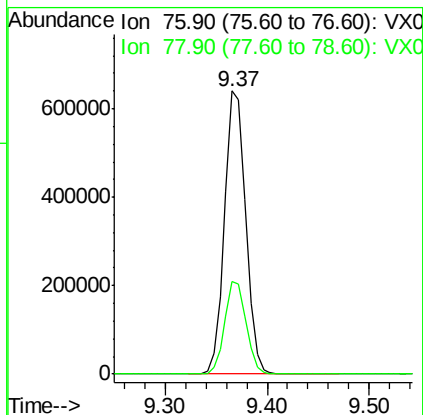
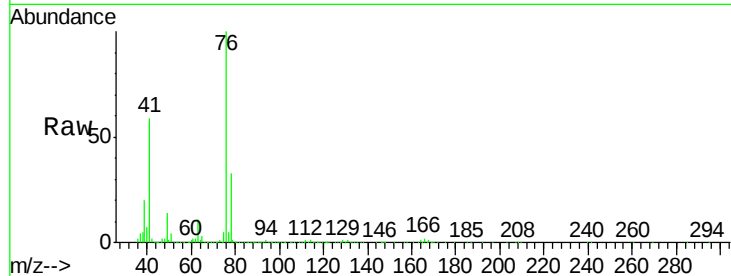
78 32.9 26.2 39.4

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 781.621 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.01 min

Lab File: VX011568.D

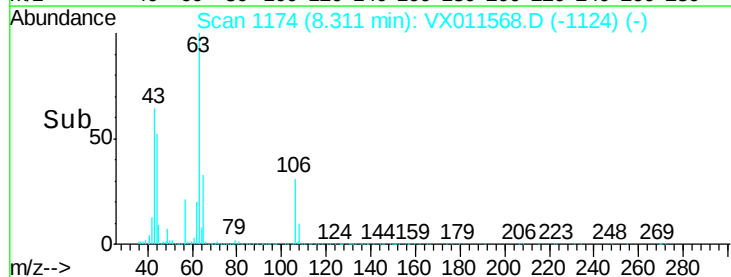
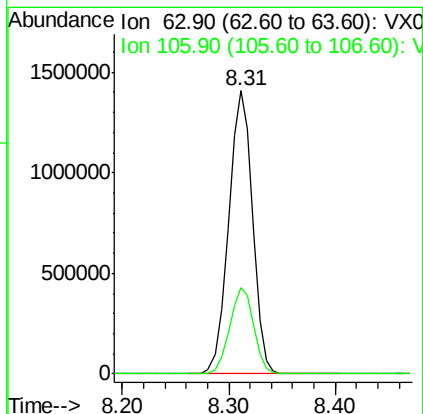
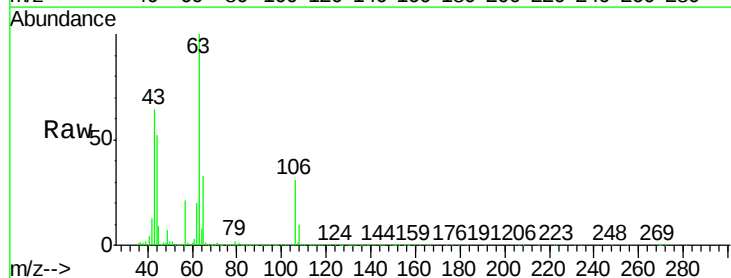
Acq: 15 Aug 2019 19:37

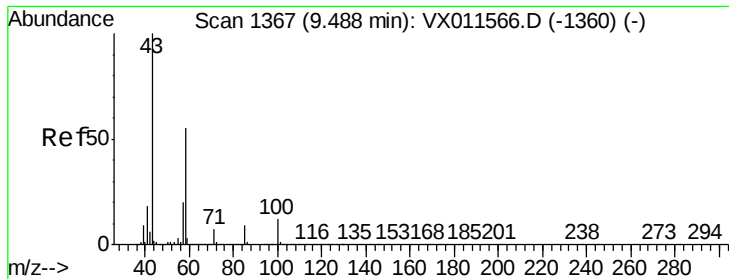
Tgt Ion: 63 Resp: 2206740

Ion Ratio Lower Upper

63 100

106 30.5 24.7 37.1





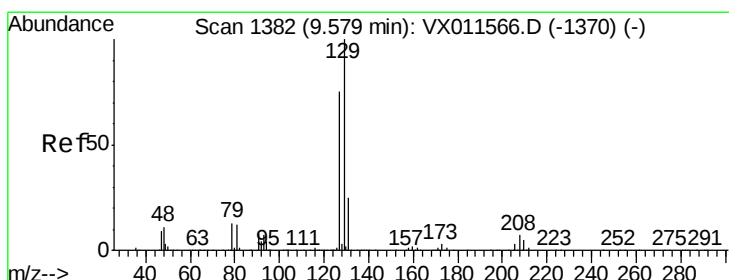
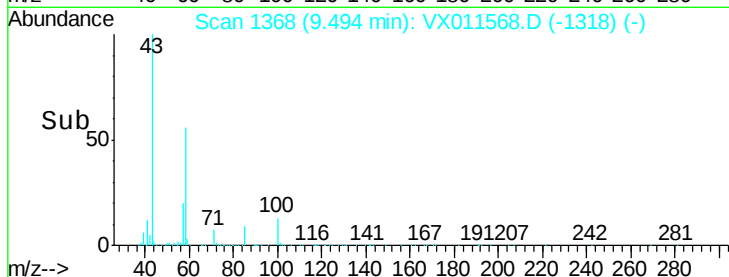
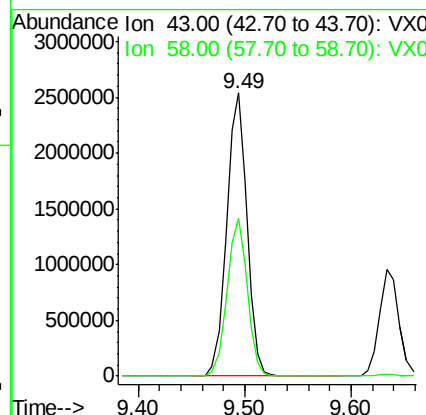
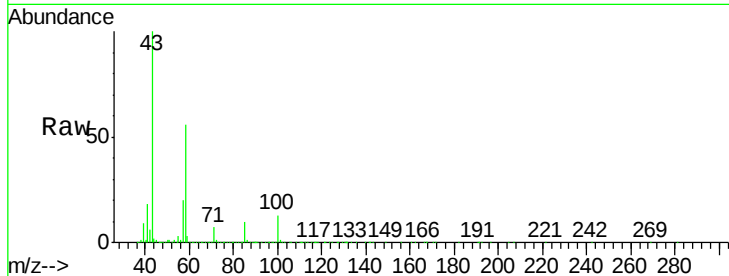
#59
2-Hexanone
Concen: 805.071 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VX011568.D
Acq: 15 Aug 2019 19:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 3377625
Ion Ratio Lower Upper
43 100
58 55.5 27.5 82.4

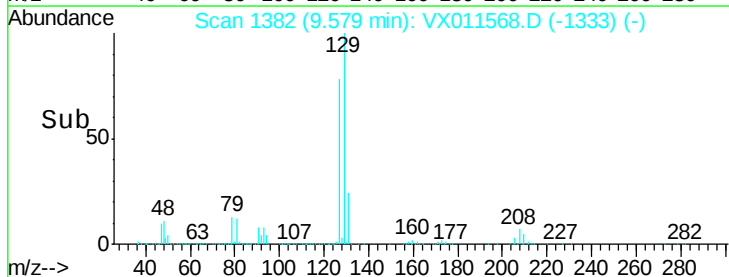
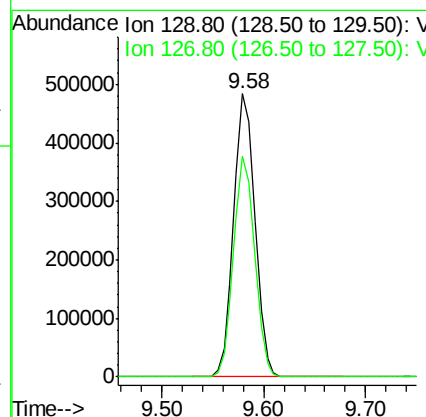
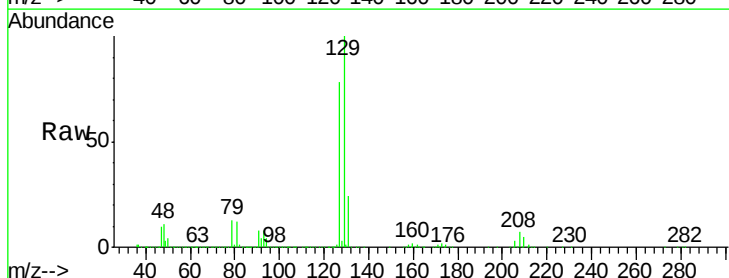
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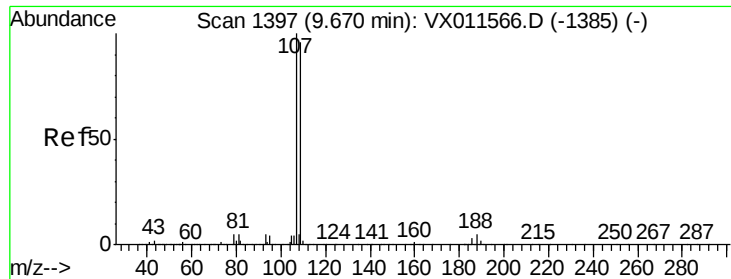
MMDadoda
8/16/2019 8:29:39 AM



#60
Dibromochloromethane
Concen: 171.793 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011568.D
Acq: 15 Aug 2019 19:37

Tgt Ion: 129 Resp: 697796
Ion Ratio Lower Upper
129 100
127 77.4 38.0 114.1





#61

1,2-Dibromoethane

Concen: 153.329 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX011568.D

Acq: 15 Aug 2019 19:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 107 Resp: 637952

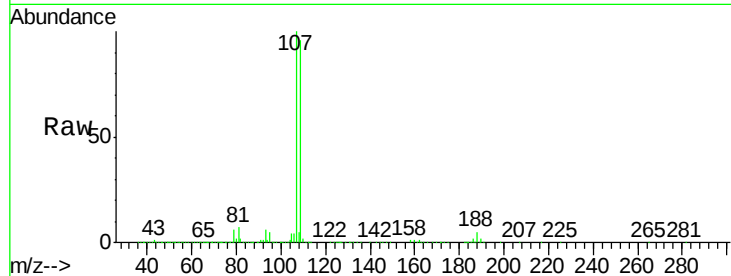
Ion Ratio Lower Upper

107 100

109 95.8 76.2 114.2

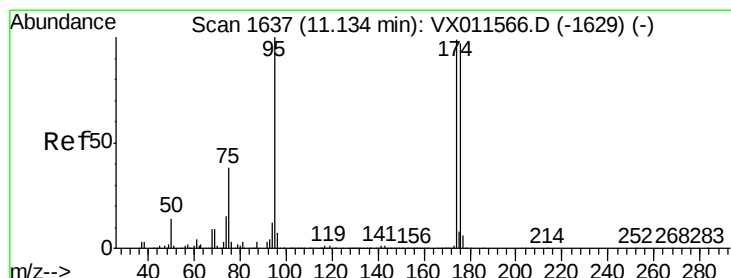
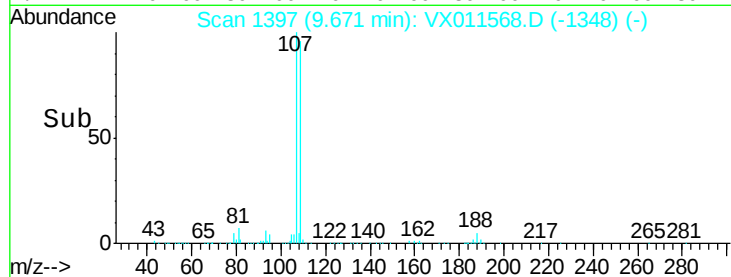
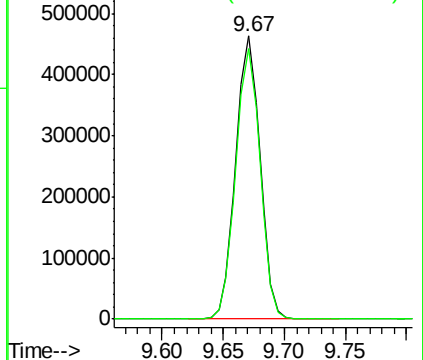
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 146.091 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011568.D

Acq: 15 Aug 2019 19:37

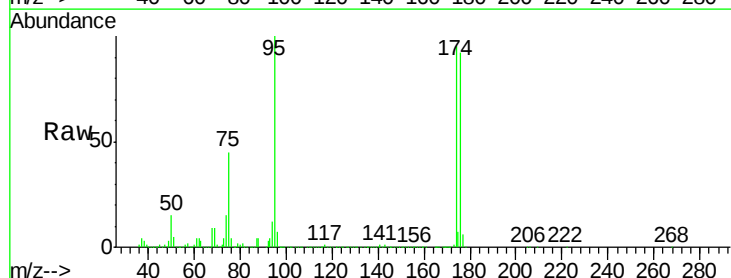
Tgt Ion: 95 Resp: 680605

Ion Ratio Lower Upper

95 100

174 99.8 0.0 200.6

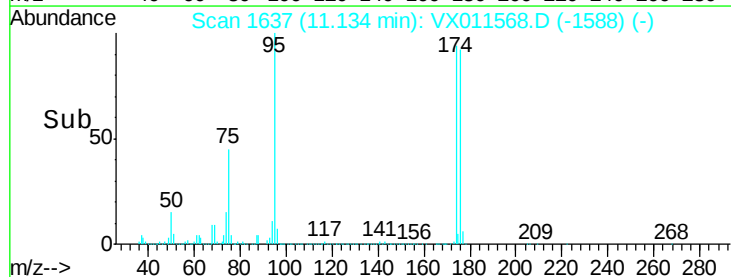
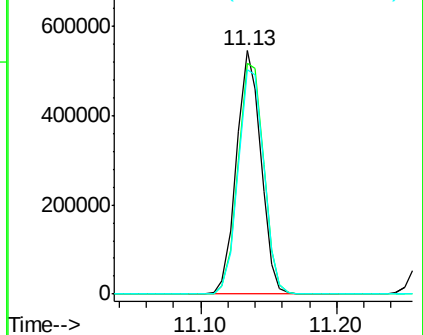
176 97.3 0.0 196.6

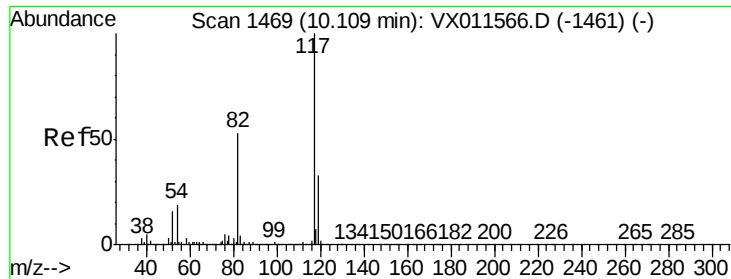


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





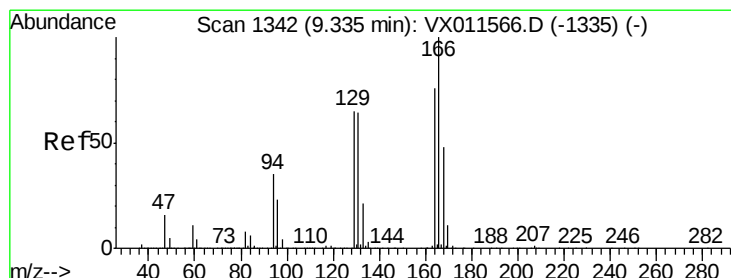
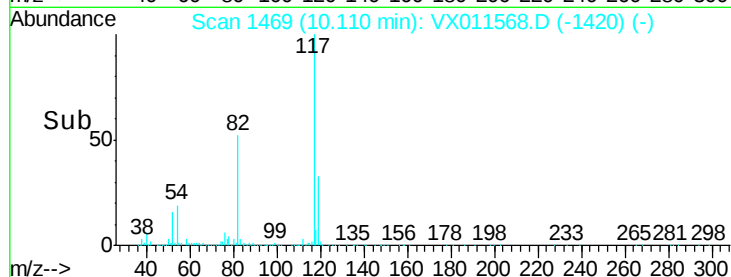
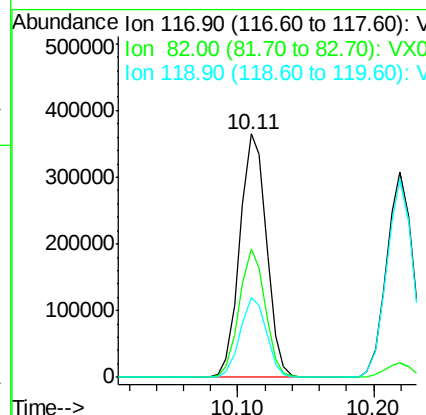
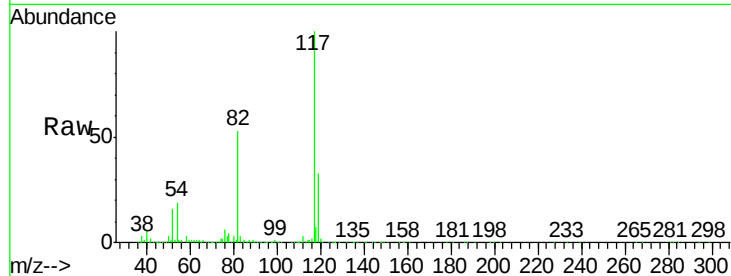
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011568.D
Acq: 15 Aug 2019 19:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp Lower	Upper
117	100		
82	52.5	42.0	63.0
119	32.9	26.5	39.7

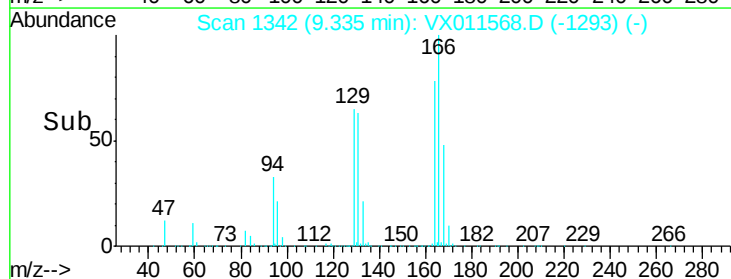
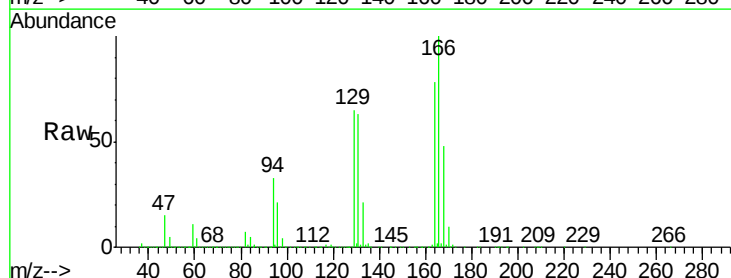
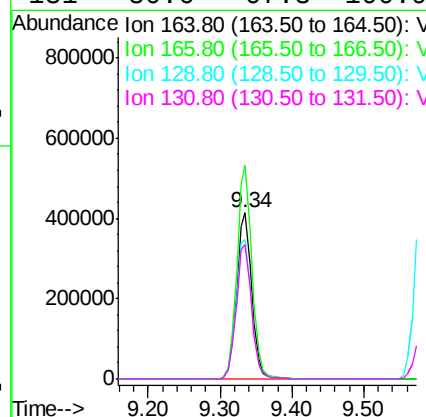
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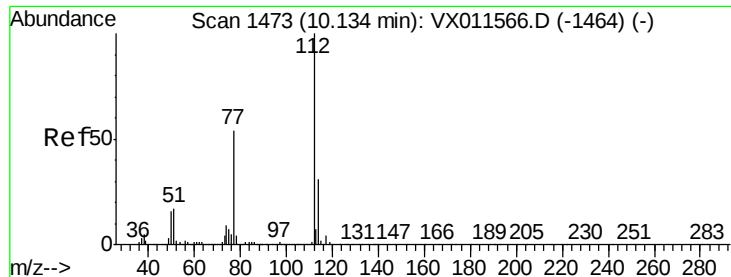
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#64
Tetrachloroethene
Concen: 148.450 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX011568.D
Acq: 15 Aug 2019 19:37

Tgt Ion	Ratio	Resp Lower	Upper
164	100		
166	128.5	104.7	157.1
129	83.7	68.2	102.4
131	80.6	67.3	100.9





#65

Chlorobenzene

Concen: 148.440 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX011568.D

Acq: 15 Aug 2019 19:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:112 Resp: 1578500

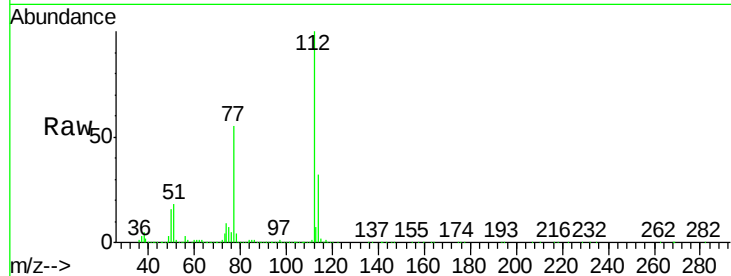
Ion Ratio Lower Upper

112 100

114 32.2 25.0 37.6

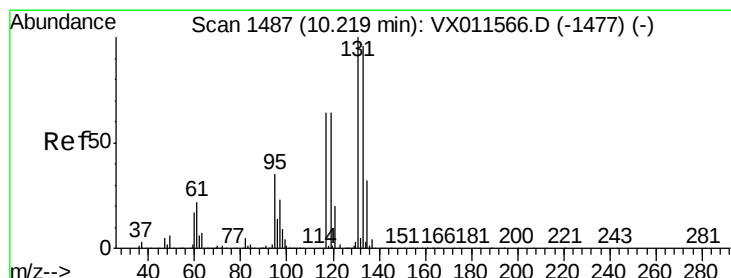
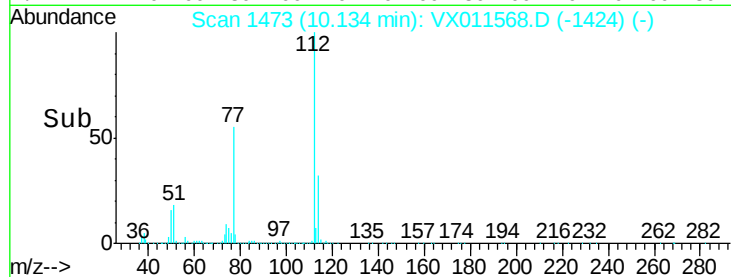
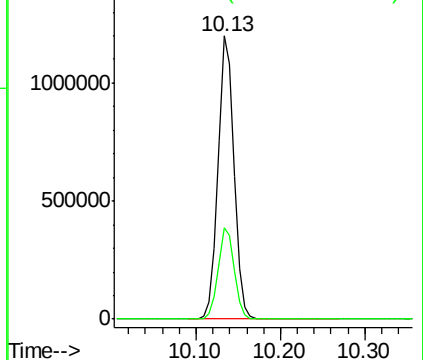
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 160.225 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX011568.D

Acq: 15 Aug 2019 19:37

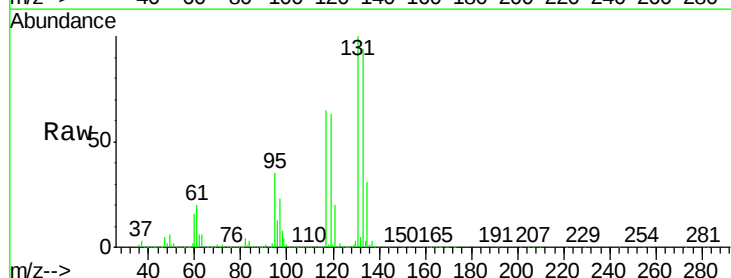
Tgt Ion:131 Resp: 636832

Ion Ratio Lower Upper

131 100

133 95.2 48.1 144.4

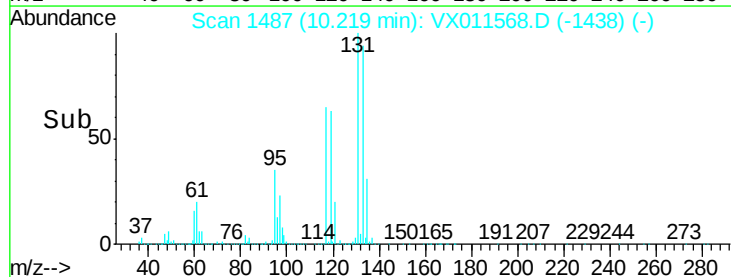
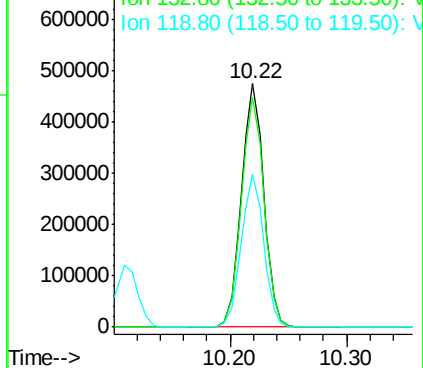
119 62.8 31.3 93.8

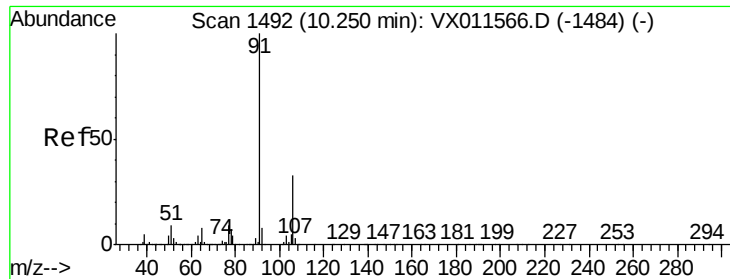


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 151.716 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX011568.D

Acq: 15 Aug 2019 19:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 2692501

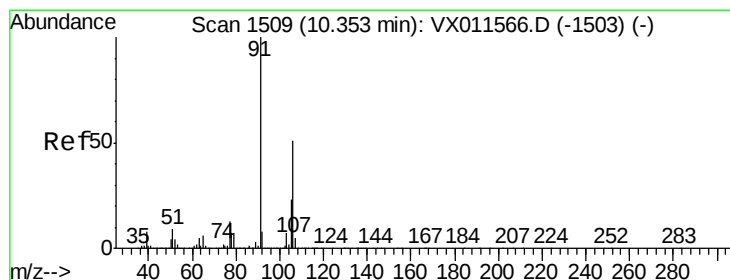
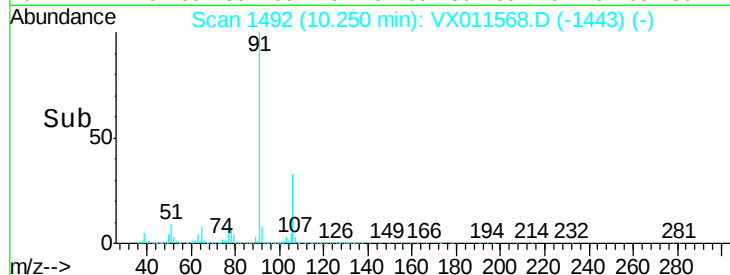
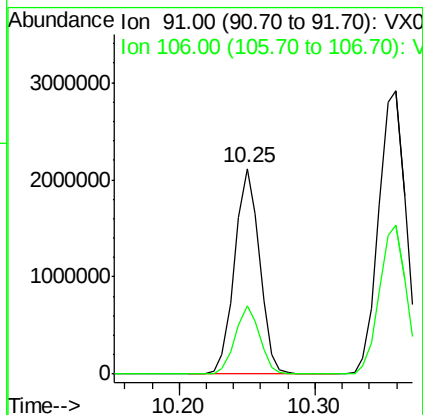
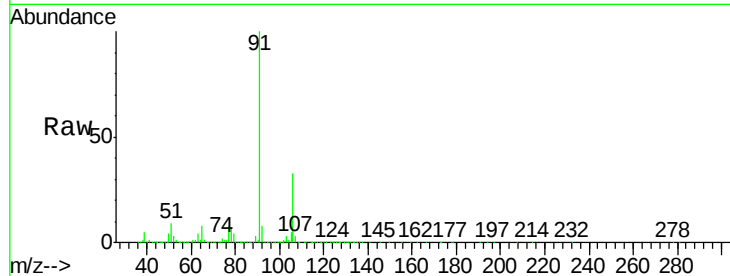
Ion Ratio Lower Upper

91 100

106 33.0 26.0 39.0

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#68

m/p-Xylenes

Concen: 306.389 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.01 min

Lab File: VX011568.D

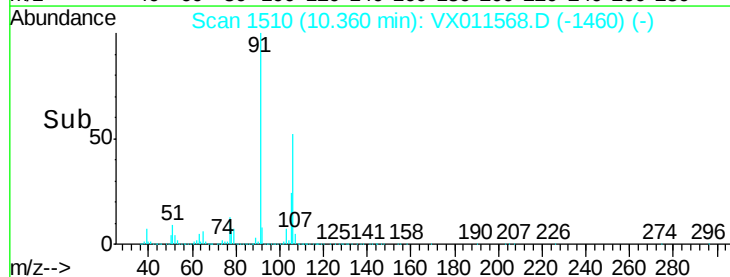
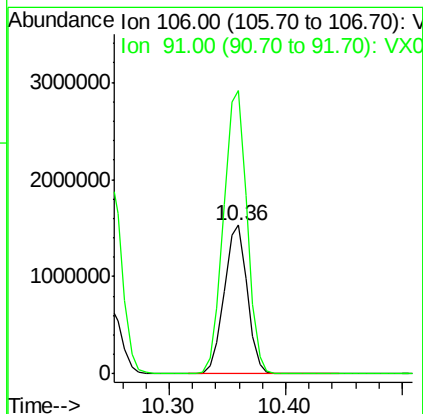
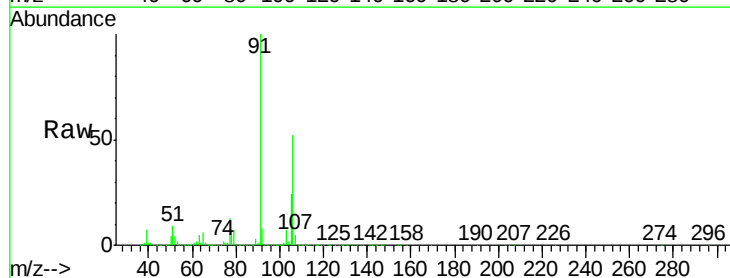
Acq: 15 Aug 2019 19:37

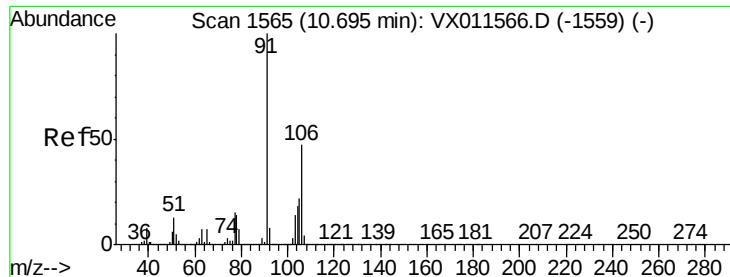
Tgt Ion: 106 Resp: 2087193

Ion Ratio Lower Upper

106 100

91 194.6 156.0 234.0





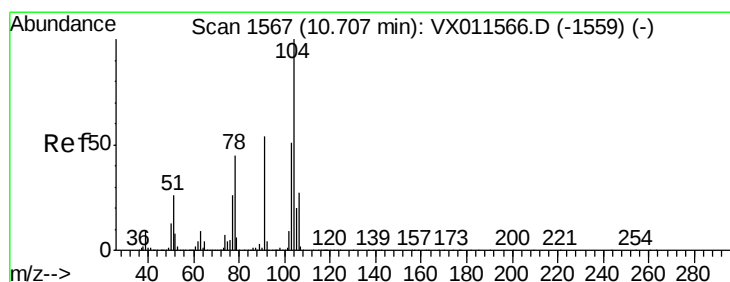
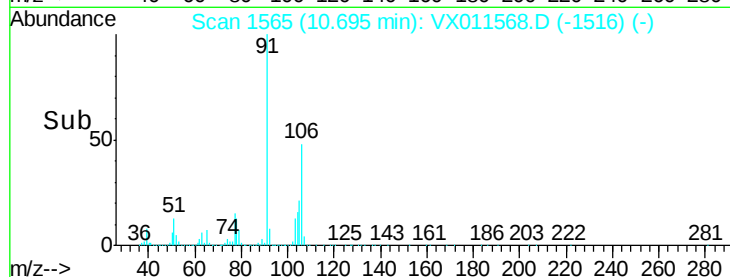
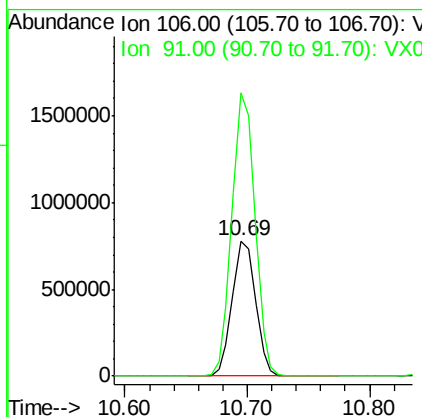
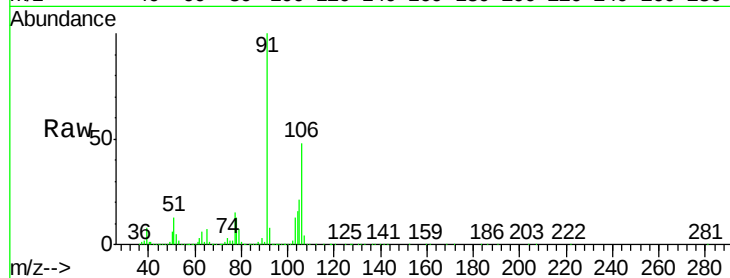
#69
o-Xylene
Concen: 154.066 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011568.D
Acq: 15 Aug 2019 19:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 1028054
Ion Ratio Lower Upper
106 100
91 207.1 105.5 316.4

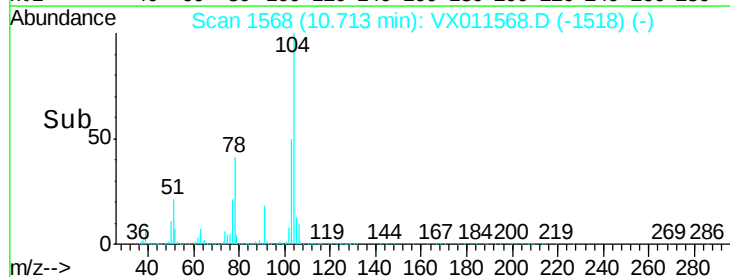
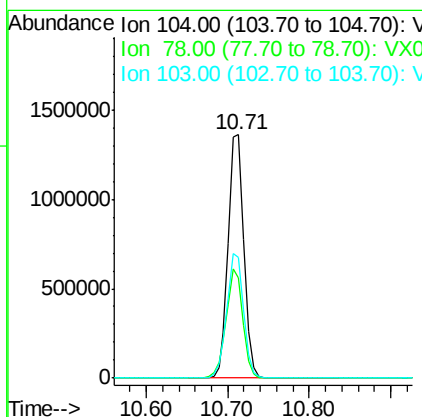
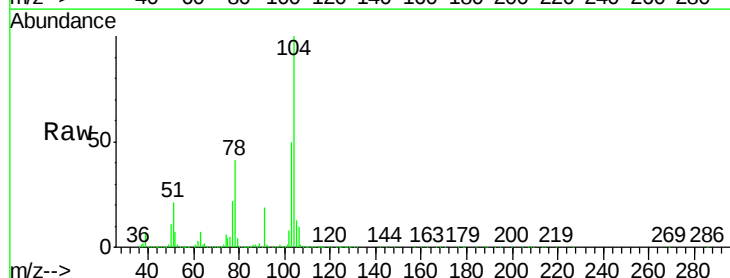
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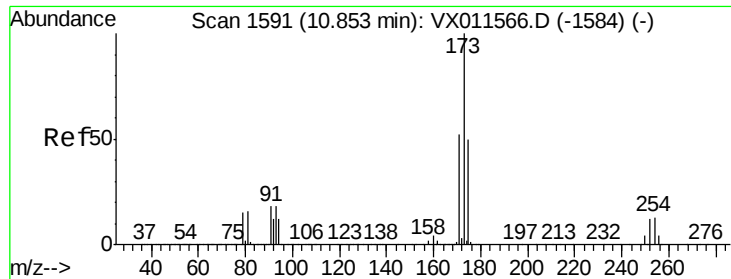
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#70
Styrene
Concen: 160.261 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VX011568.D
Acq: 15 Aug 2019 19:37

Tgt Ion:104 Resp: 1800245
Ion Ratio Lower Upper
104 100
78 47.7 38.2 57.4
103 54.8 43.6 65.4





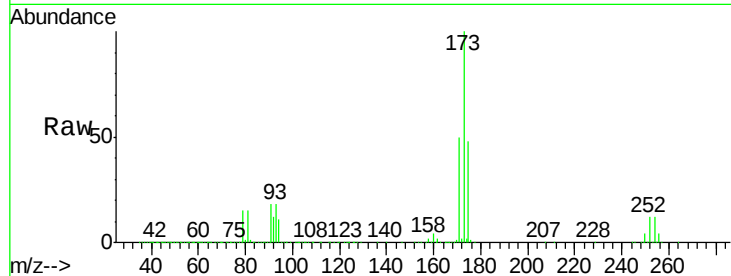
#71
Bromoform
Concen: 185.244 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX011568.D
Acq: 15 Aug 2019 19:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

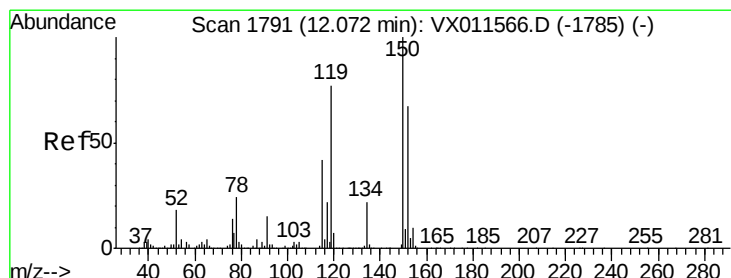
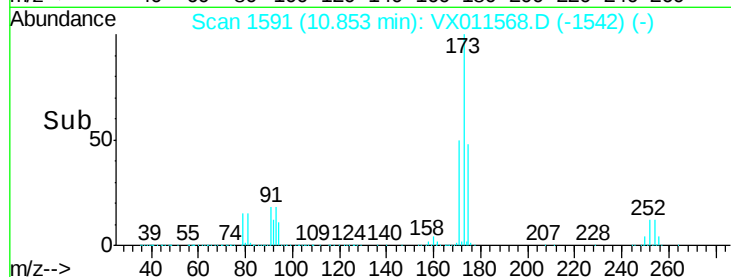
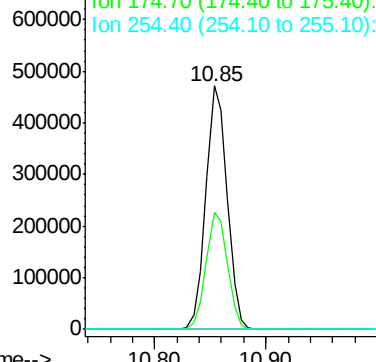
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.9	74.7
254	0.2	0.1	0.1

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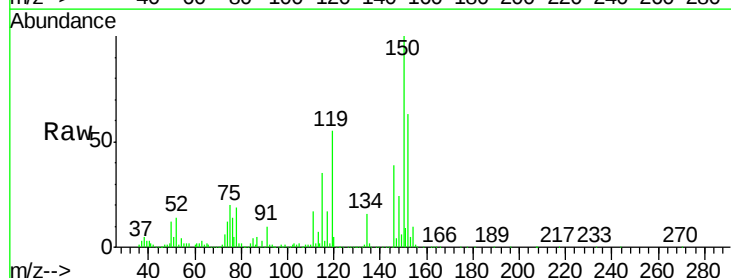


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

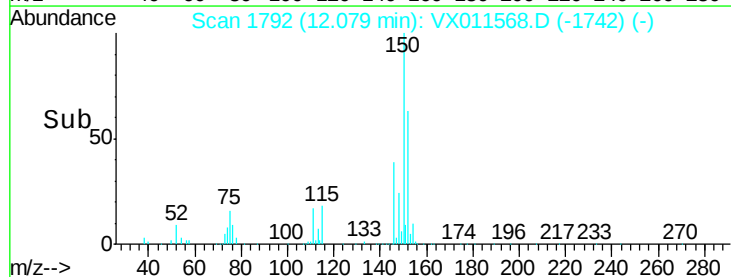
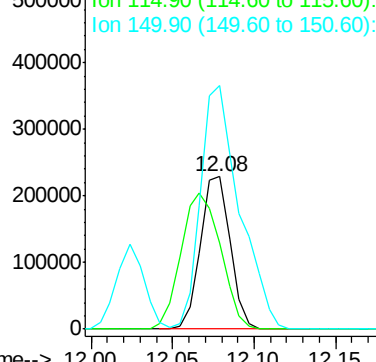


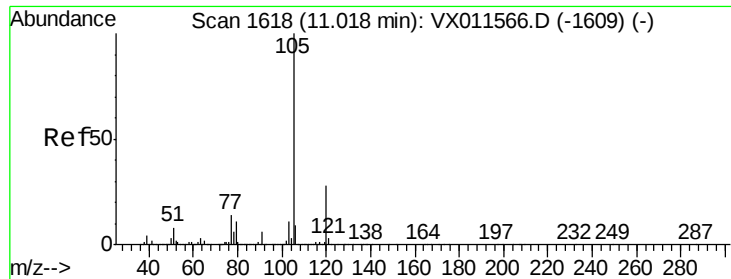
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.01 min
Lab File: VX011568.D
Acq: 15 Aug 2019 19:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	118.7	37.3	111.9
150	208.2	0.0	346.2



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: 145.539 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX011568.D

Acq: 15 Aug 2019 19:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 2748213

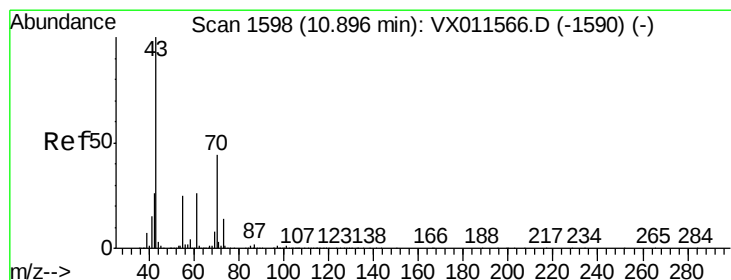
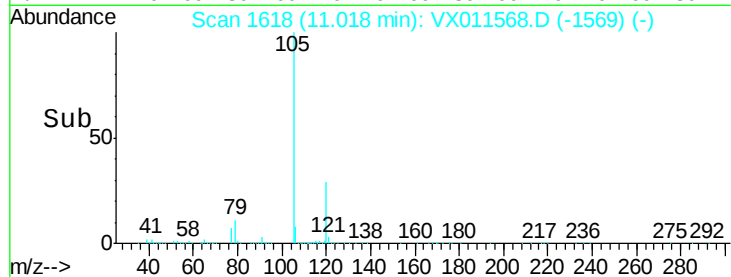
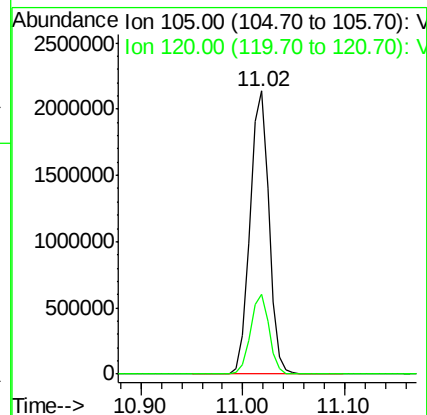
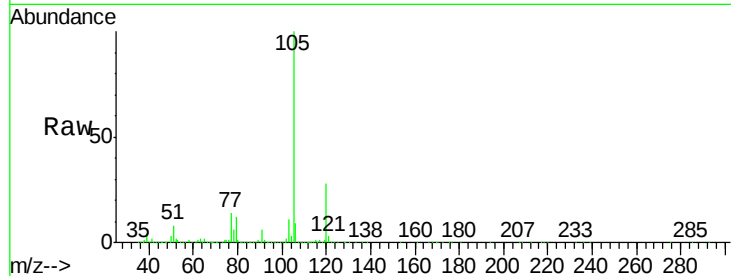
Ion Ratio Lower Upper

105 100

120 27.8 14.0 41.9

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#74

N-ethyl acetate

Concen: 155.196 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX011568.D

Acq: 15 Aug 2019 19:37

Tgt Ion: 43 Resp: 1245396

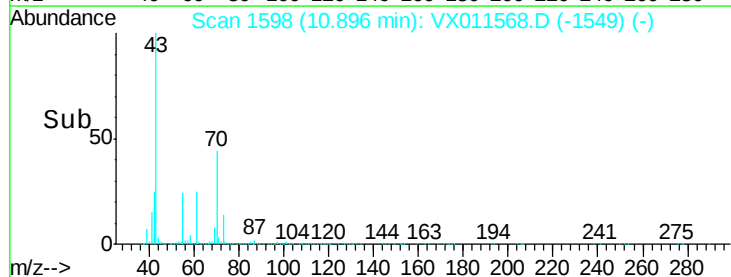
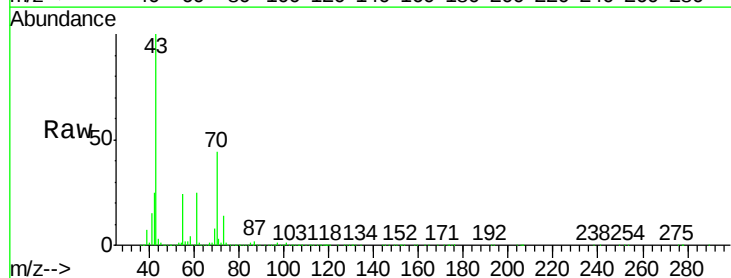
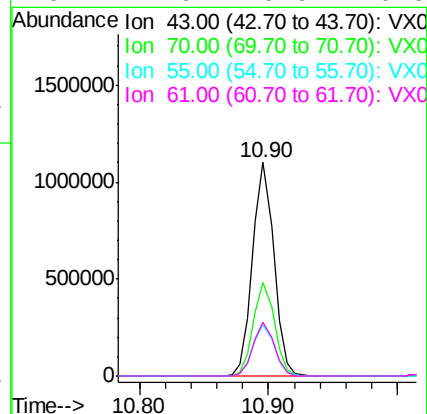
Ion Ratio Lower Upper

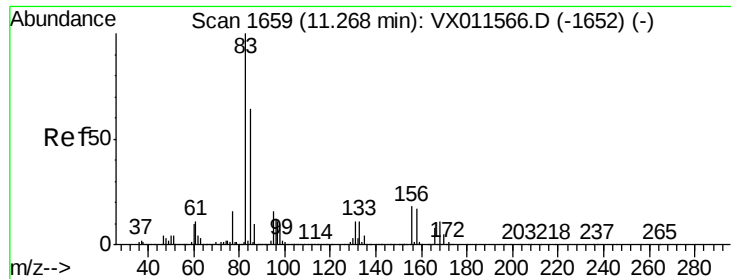
43 100

70 43.5 34.7 52.1

55 24.1 19.6 29.4

61 24.9 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 148.081 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX011568.D

Acq: 15 Aug 2019 19:37

Instrument :

MSVOA_X

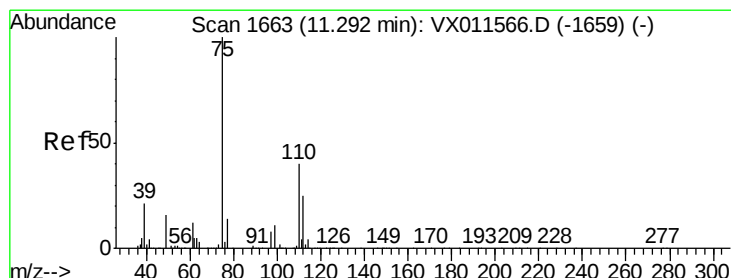
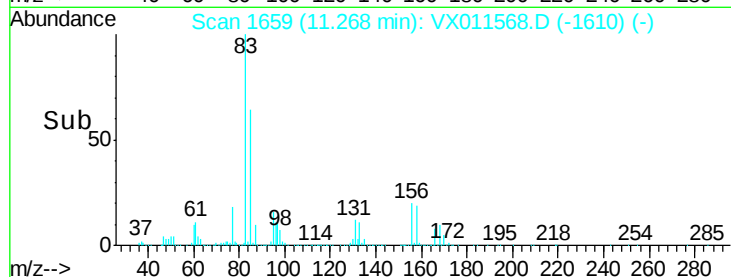
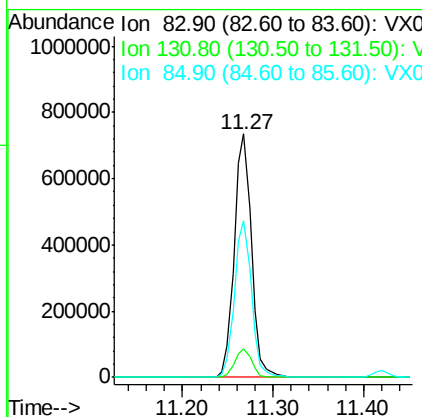
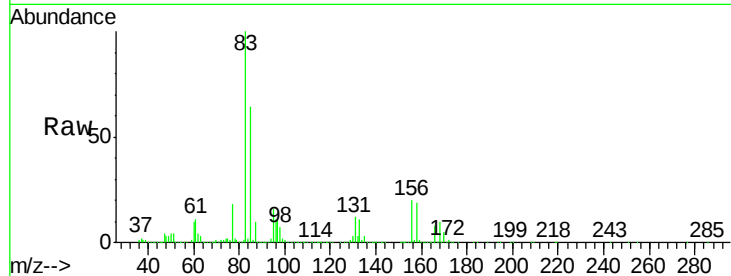
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	961905
Ion Ratio		Lower	Upper
83	100		
131	11.5	5.8	17.3
85	64.4	31.9	95.9

Manual Integrations
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8/16/2019 8:29:39 AM



#76

1,2,3-Trichloropropane

Concen: 143.623 ug/l m

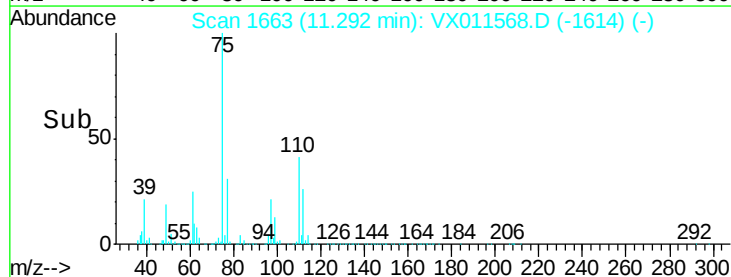
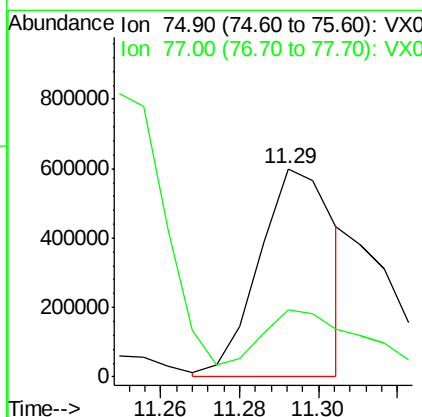
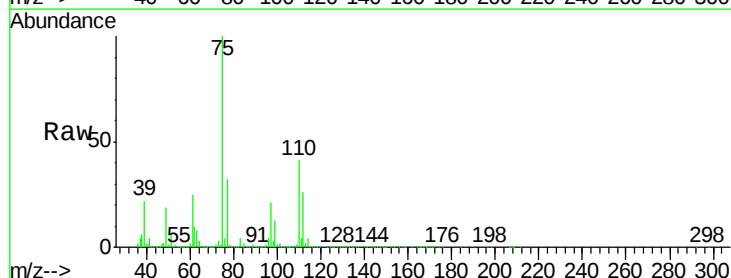
RT: 11.29 min Scan# 1663

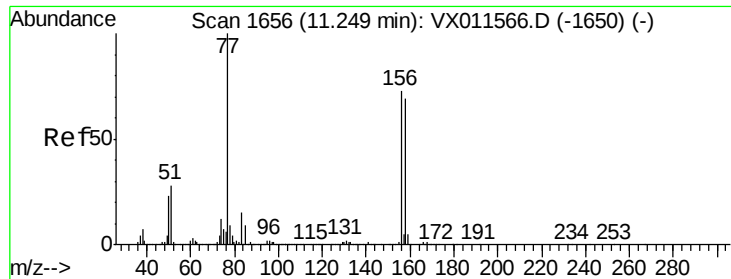
Delta R.T. 0.00 min

Lab File: VX011568.D

Acq: 15 Aug 2019 19:37

Tgt Ion:	75	Resp:	792534
Ion Ratio		Lower	Upper
75	100		
77	45.4	20.9	62.8





#77

Bromobenzene

Concen: 145.594 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.01 min

Lab File: VX011568.D

Acq: 15 Aug 2019 19:37

Instrument :

MSVOA_X

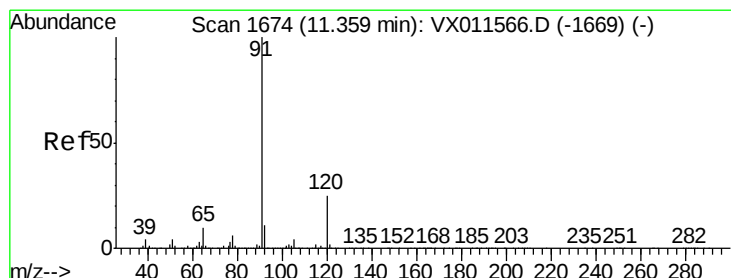
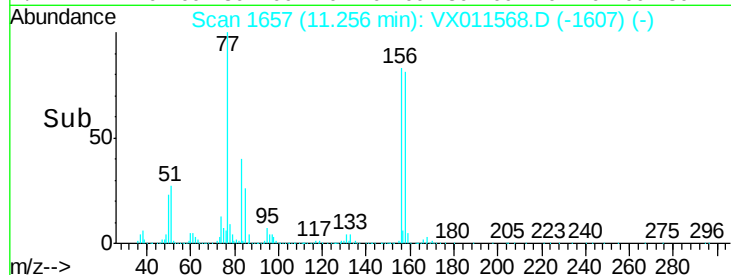
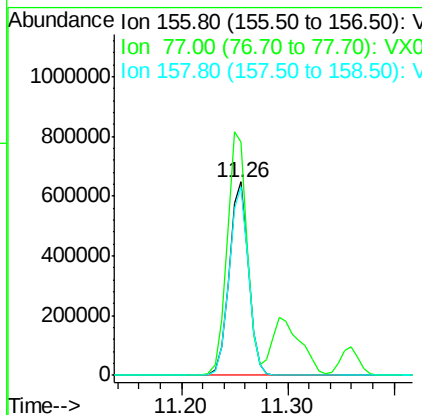
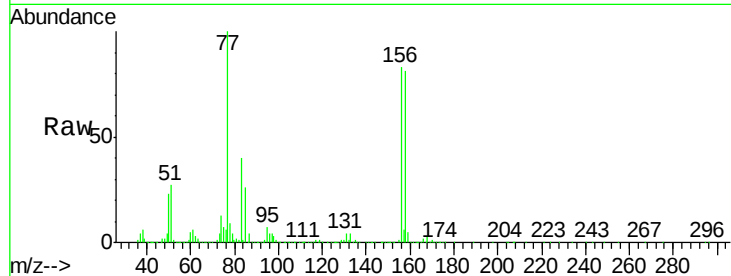
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
156	100	817951		
77	130.3	64.6	193.9	
158	98.2	48.4	145.3	

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#78

n-propylbenzene

Concen: 150.443 ug/l

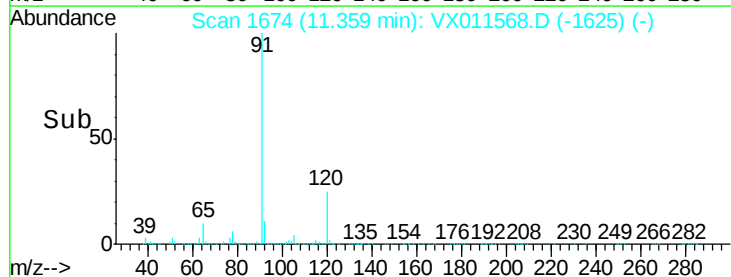
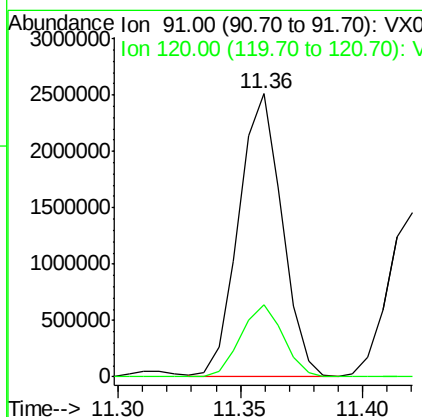
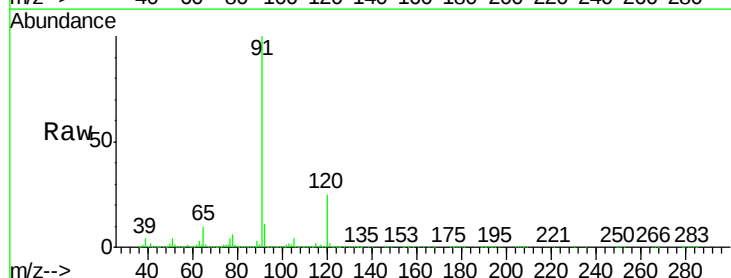
RT: 11.36 min Scan# 1674

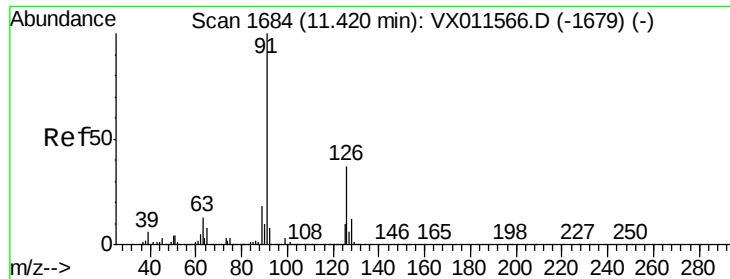
Delta R.T. 0.00 min

Lab File: VX011568.D

Acq: 15 Aug 2019 19:37

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	3063255		
120	25.3	12.6	37.6	





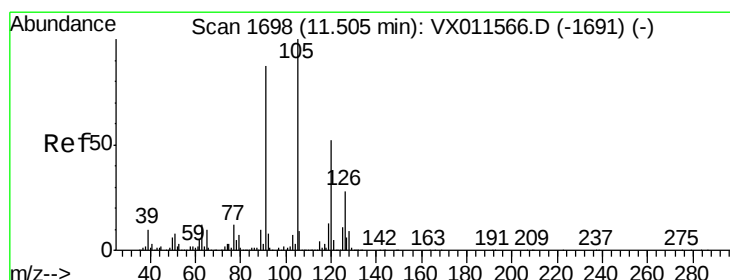
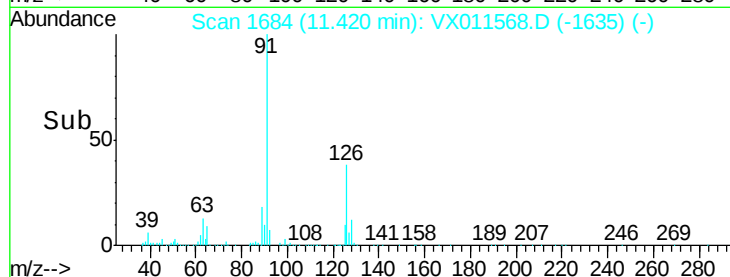
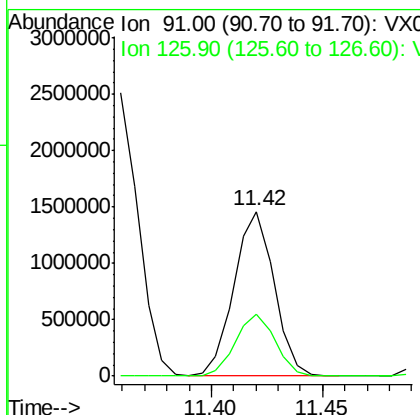
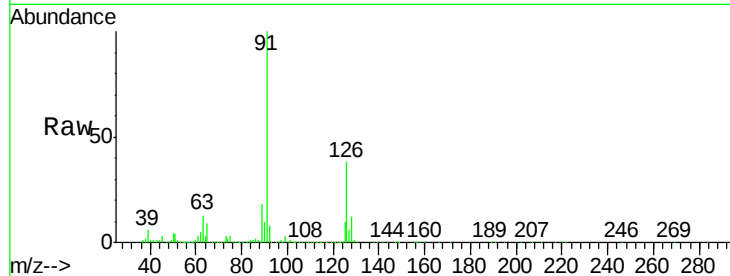
#79
2-Chlorotoluene
Concen: 146.789 ug/l
RT: 11.42 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VX011568.D
Acq: 15 Aug 2019 19:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 1835313
Ion Ratio Lower Upper
91 100
126 37.5 18.4 55.0

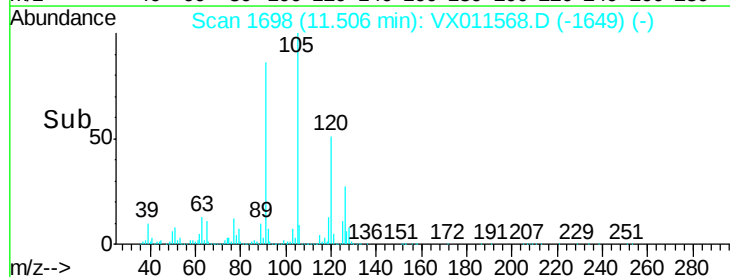
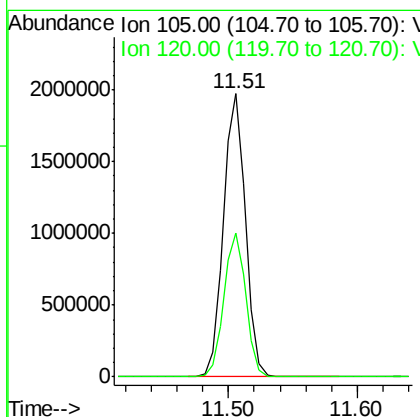
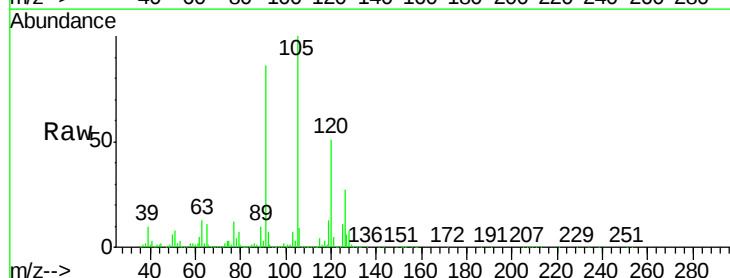
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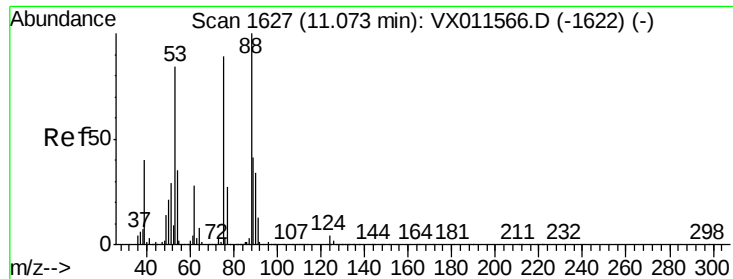
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#80
1,3,5-Trimethylbenzene
Concen: 149.816 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX011568.D
Acq: 15 Aug 2019 19:37

Tgt Ion: 105 Resp: 2376445
Ion Ratio Lower Upper
105 100
120 50.6 25.3 75.8





#81

trans-1,4-Dichloro-2-butene

Concen: 178.074 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX011568.D

Acq: 15 Aug 2019 19:37

Instrument :

MSVOA_X

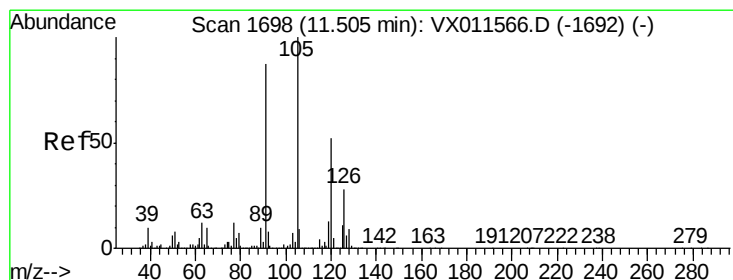
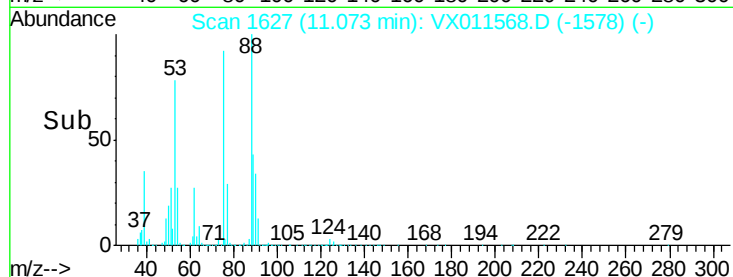
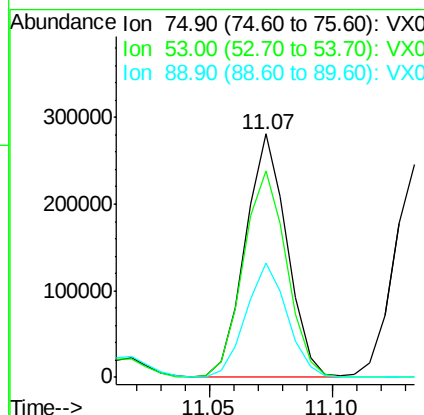
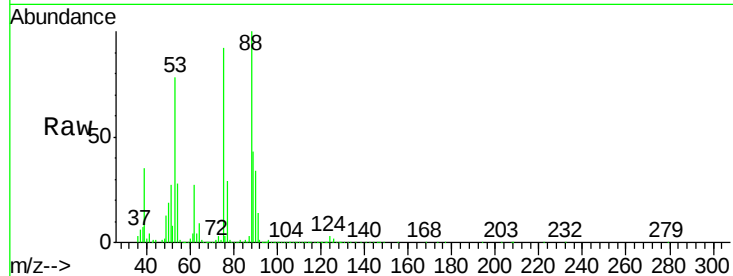
ClientSampleId :

VSTDIC150

Tot Ion:	75	Resp:	330580
Ion	Ratio	Lower	Upper
75	100		
53	88.1	77.4	116.0
89	47.0	37.3	55.9

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#82

4-Chlorotoluene

Concen: 149.181 ug/l

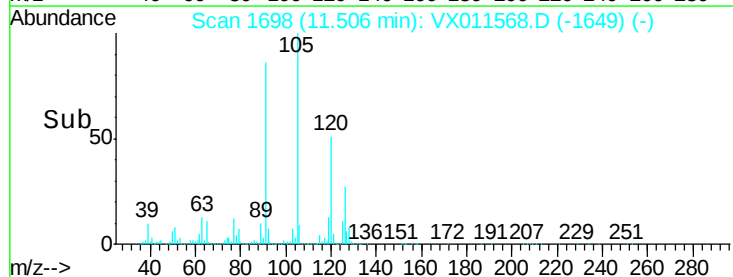
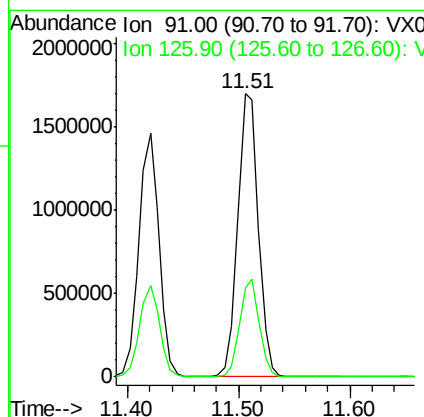
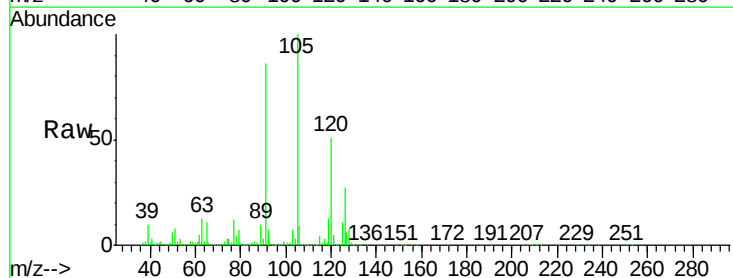
RT: 11.51 min Scan# 1698

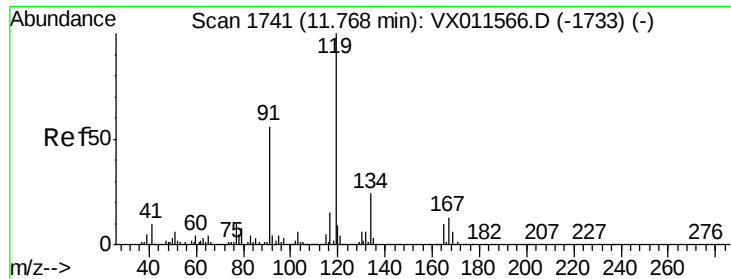
Delta R.T. 0.00 min

Lab File: VX011568.D

Acq: 15 Aug 2019 19:37

Tgt Ion:	91	Resp:	2163944
Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.4	49.1





#83

tert-Butylbenzene

Concen: 149.536 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX011568.D

Acq: 15 Aug 2019 19:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:119 Resp: 2415834

Ion Ratio Lower Upper

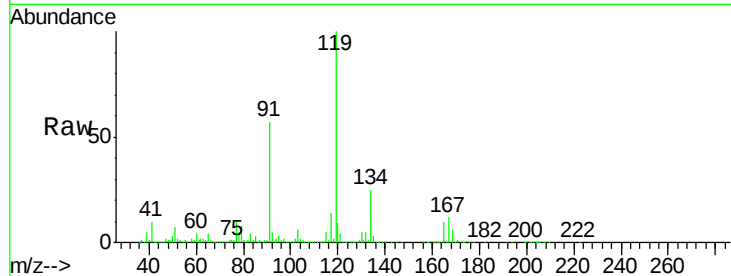
119 100

91 53.7 27.1 81.3

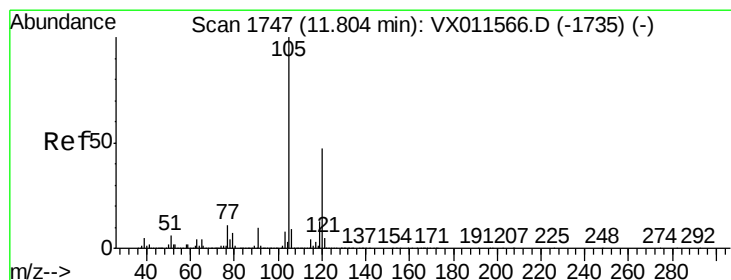
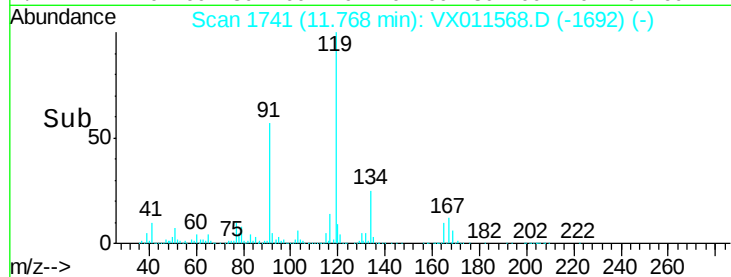
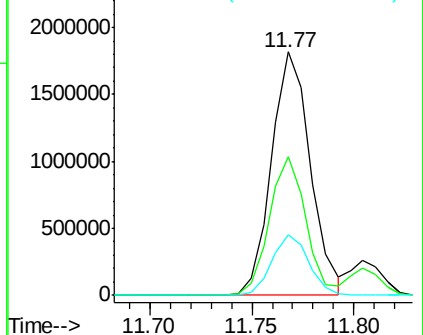
134 23.7 11.8 35.3

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



#84

1,2,4-Trimethylbenzene

Concen: 153.122 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX011568.D

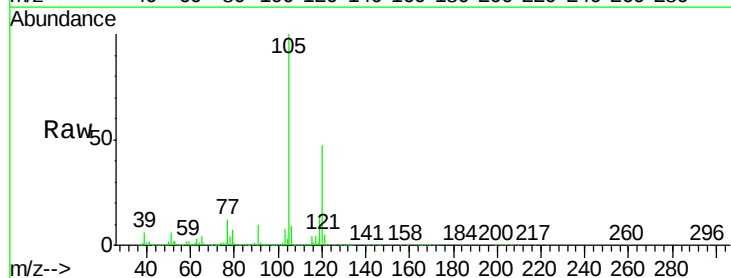
Acq: 15 Aug 2019 19:37

Tgt Ion:105 Resp: 2438419

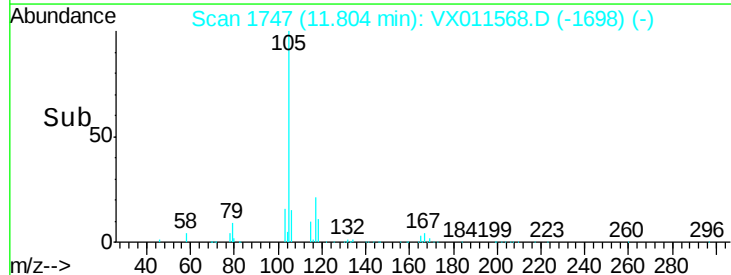
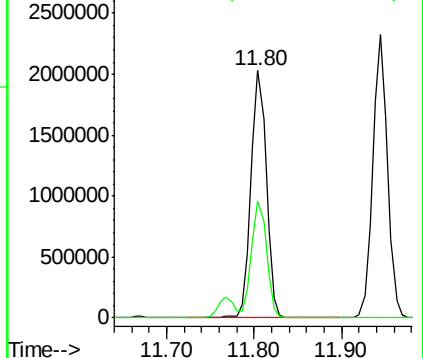
Ion Ratio Lower Upper

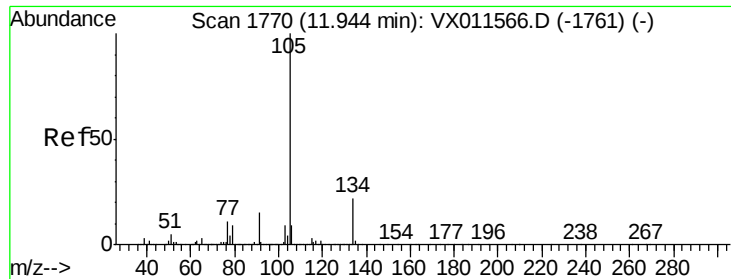
105 100

120 45.9 23.3 69.9



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





#85

sec-Butylbenzene

Concen: 151.085 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011568.D

Acq: 15 Aug 2019 19:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 2753873

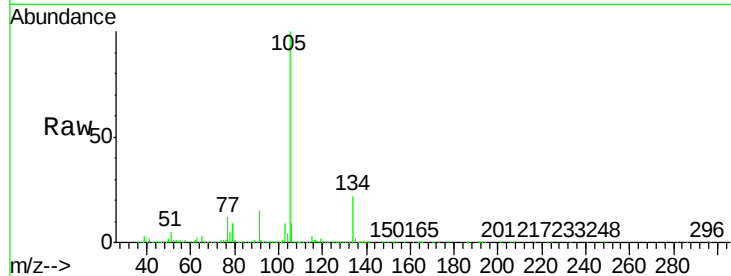
Ion Ratio Lower Upper

105 100

134 21.9 10.8 32.4

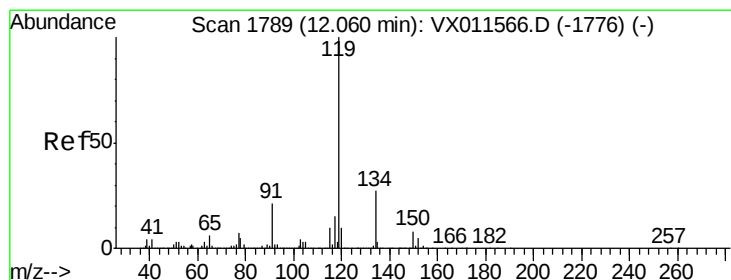
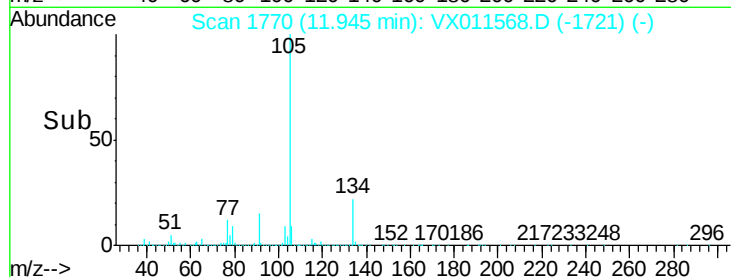
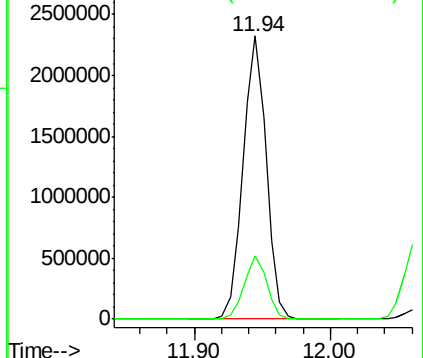
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 154.939 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011568.D

Acq: 15 Aug 2019 19:37

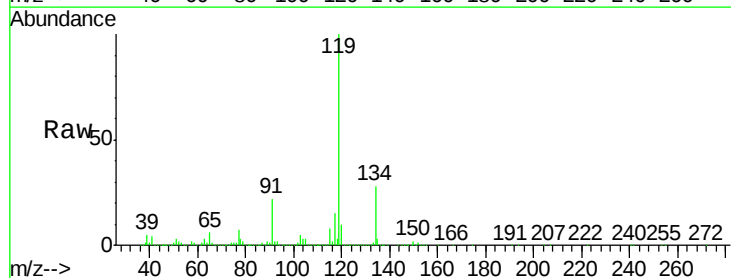
Tgt Ion:119 Resp: 2656838

Ion Ratio Lower Upper

119 100

134 27.3 13.6 40.8

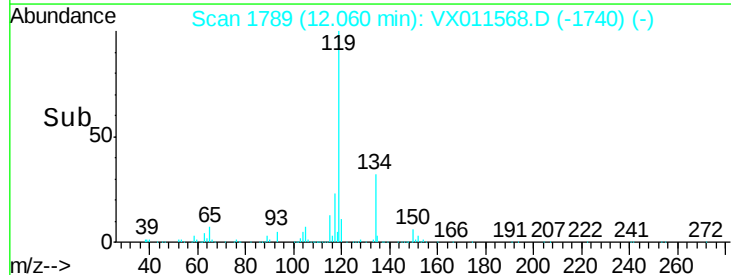
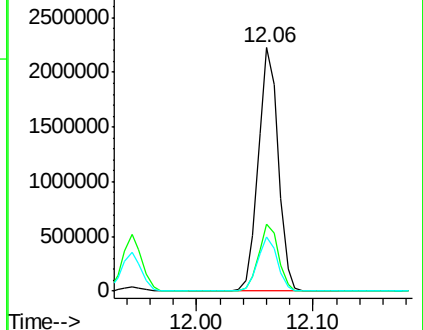
91 21.9 10.9 32.9

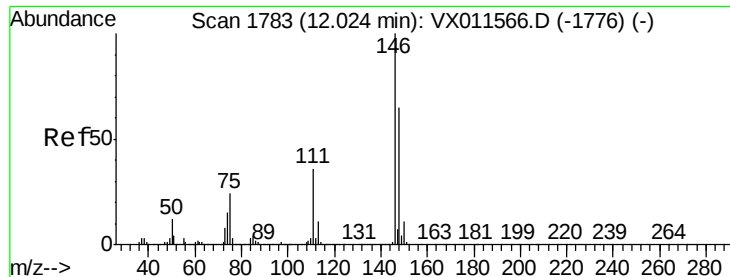


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





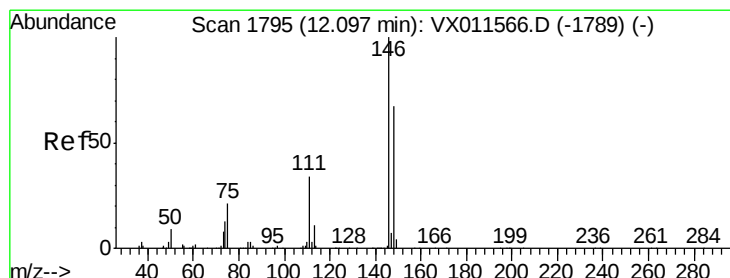
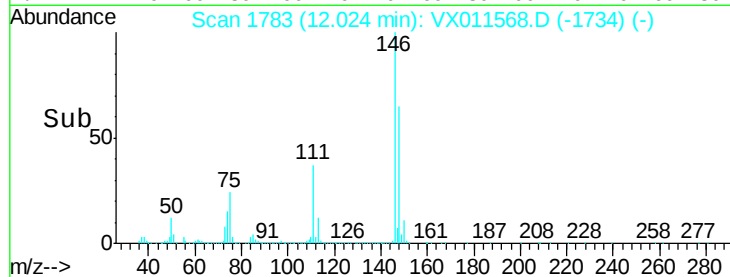
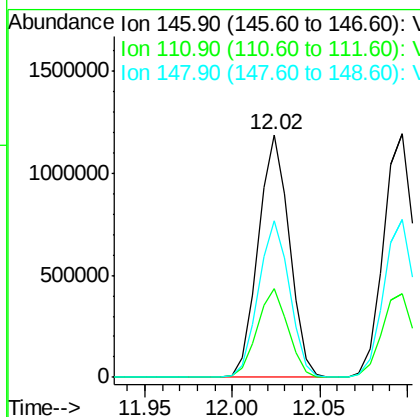
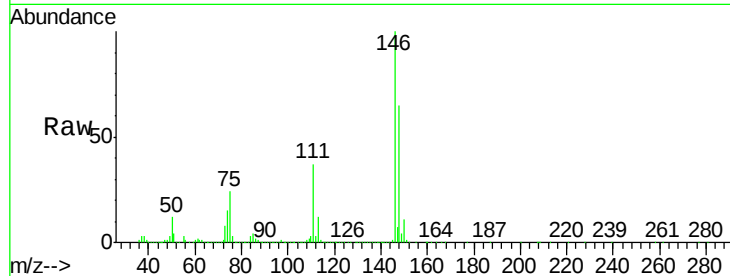
#87
 1,3-Dichlorobenzene
 Concen: 151.751 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX011568.D
 Acq: 15 Aug 2019 19:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.1	54.4
148	64.5	32.0	96.0

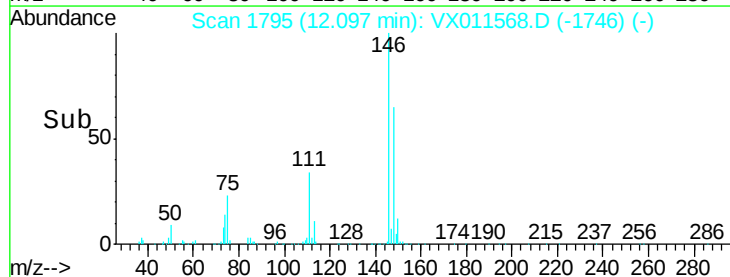
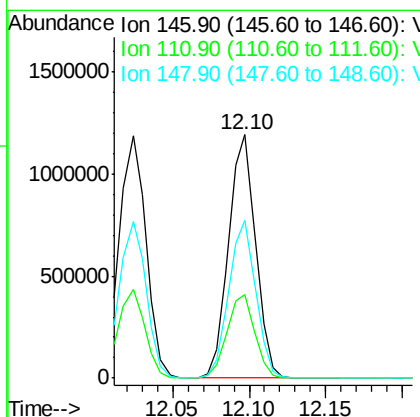
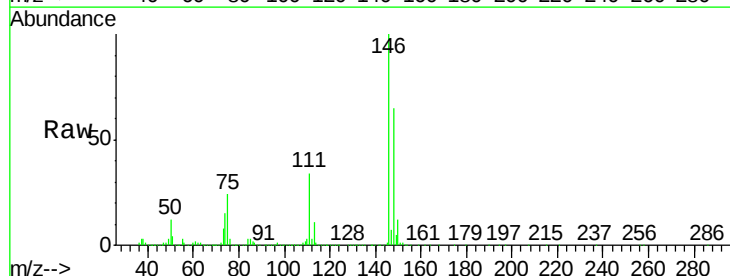
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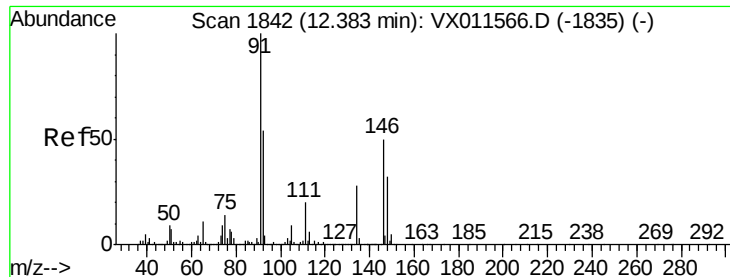
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#88
 1,4-Dichlorobenzene
 Concen: 149.526 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX011568.D
 Acq: 15 Aug 2019 19:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.1	17.9	53.7
148	64.2	32.5	97.5





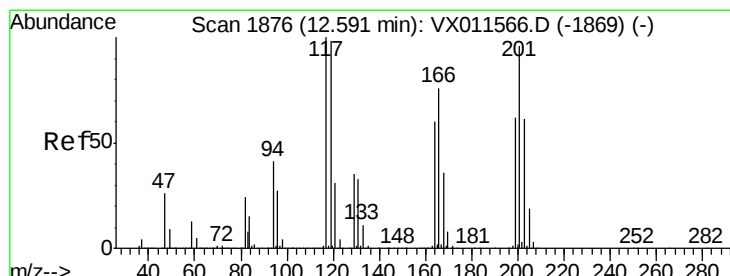
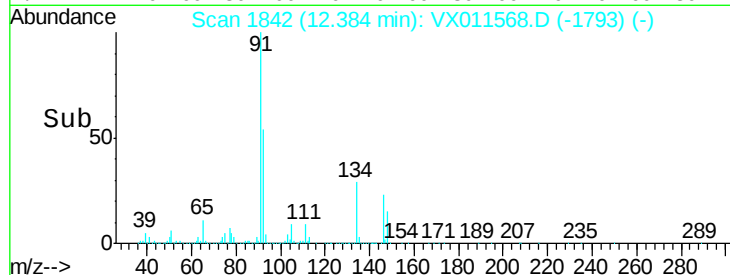
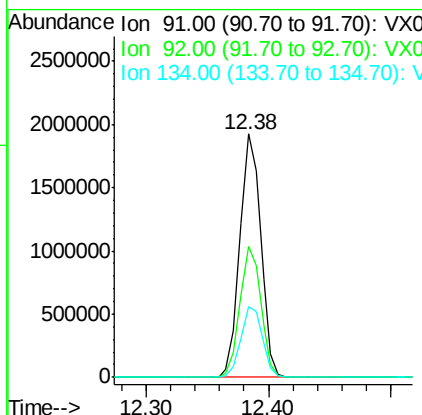
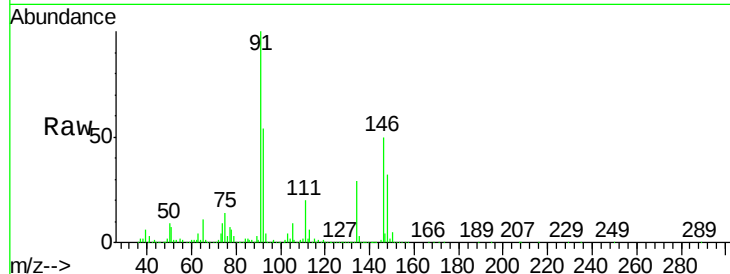
#89
n-Butylbenzene
Concen: 161.229 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011568.D
Acq: 15 Aug 2019 19:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.7	26.8	80.3
134	29.7	14.6	44.0

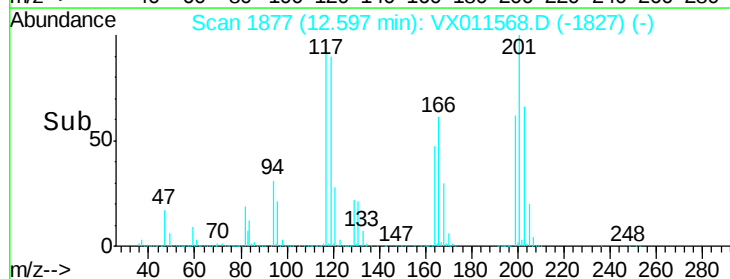
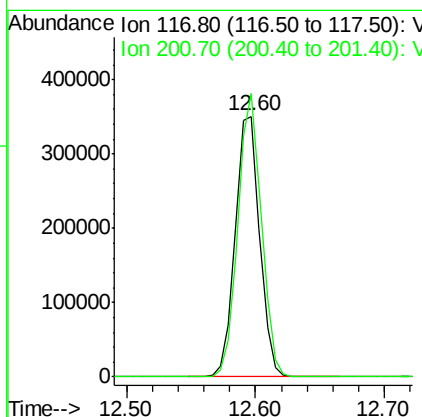
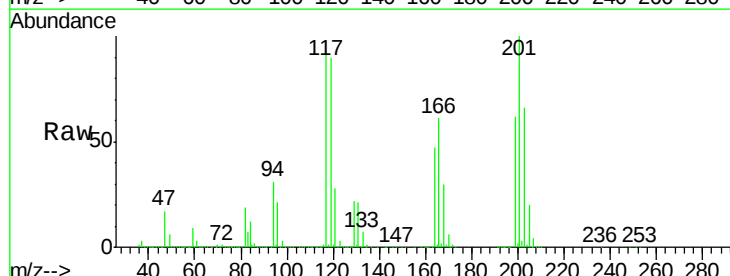
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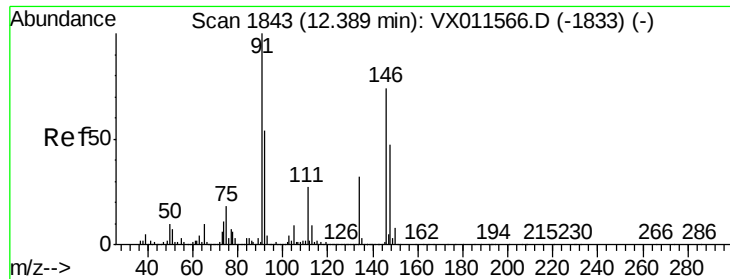
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#90
Hexachloroethane
Concen: 171.020 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.01 min
Lab File: VX011568.D
Acq: 15 Aug 2019 19:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	103.8	51.9	155.7





#91

1,2-Dichlorobenzene

Concen: 151.094 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX011568.D

Acq: 15 Aug 2019 19:37

Instrument :

MSVOA_X

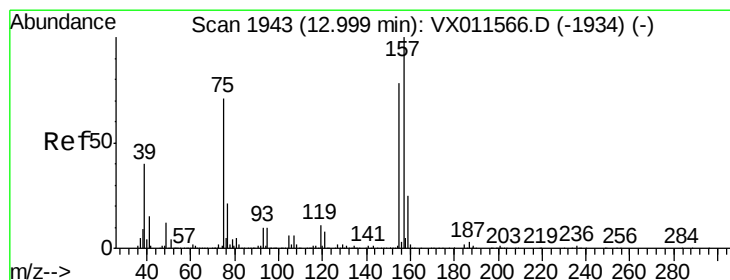
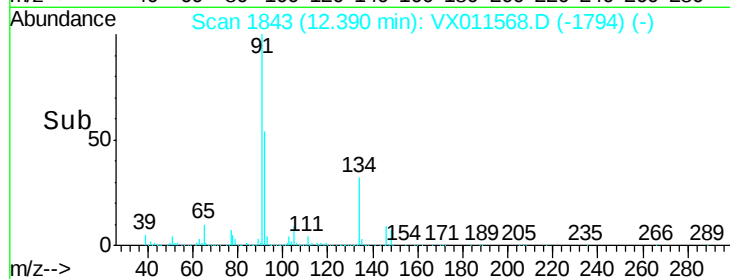
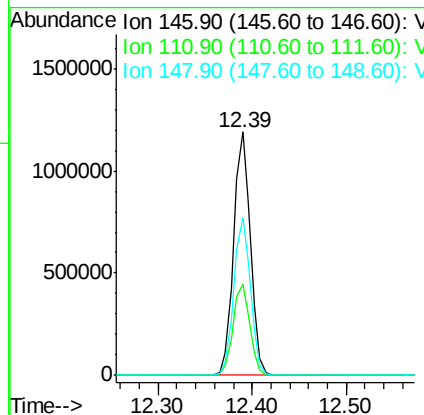
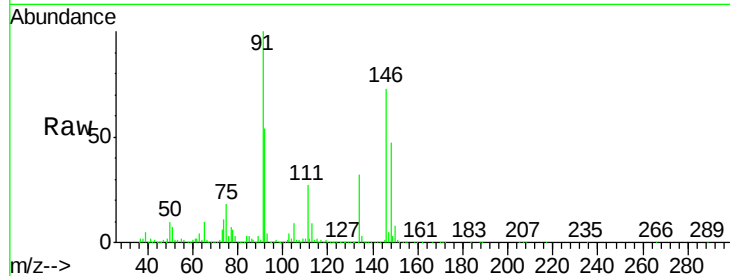
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.9	56.7
148	64.7	31.9	95.9

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 157.621 ug/l

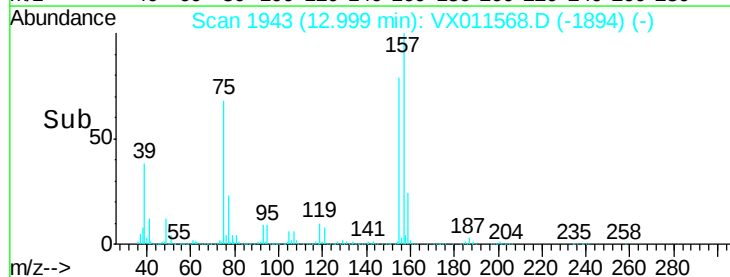
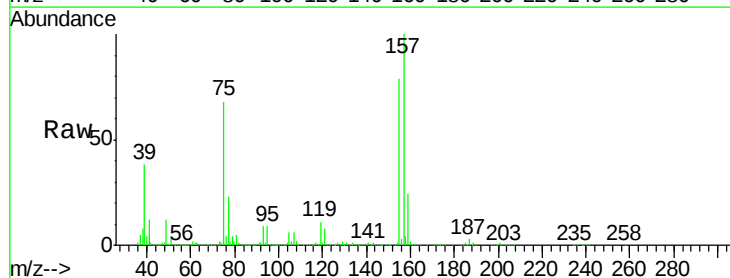
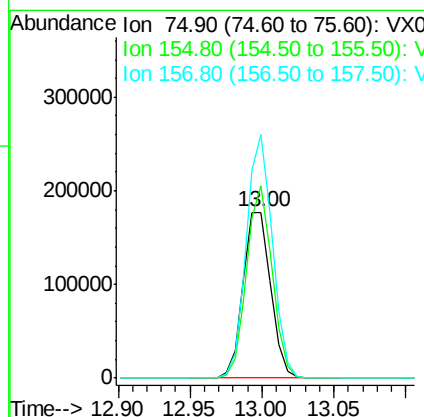
RT: 13.00 min Scan# 1943

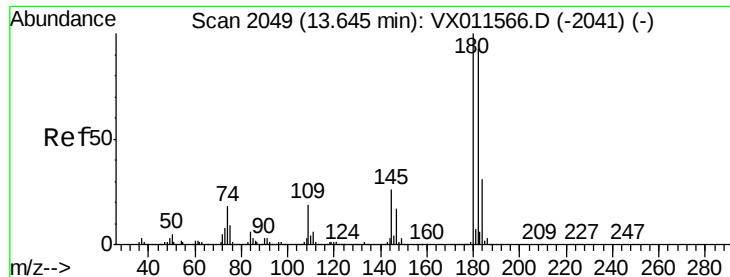
Delta R.T. 0.00 min

Lab File: VX011568.D

Acq: 15 Aug 2019 19:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	107.2	53.0	159.0
157	138.4	68.3	205.1





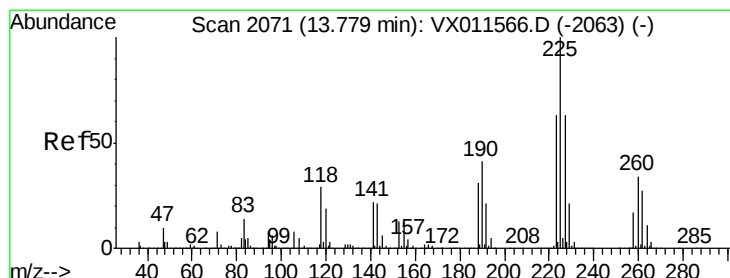
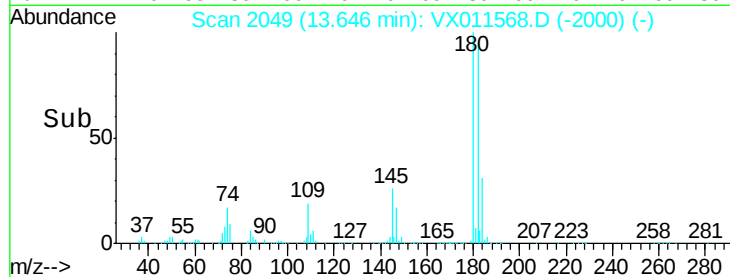
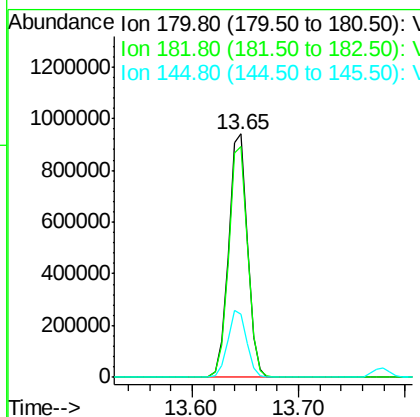
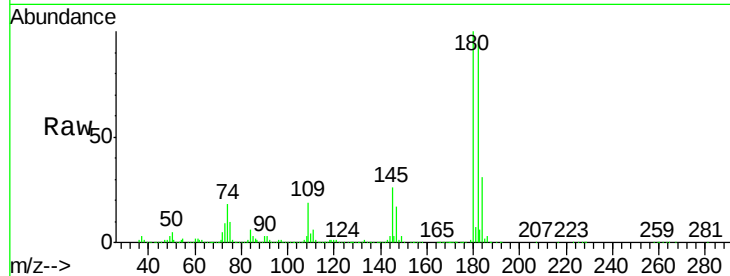
#93
 1,2,4-Trichlorobenzene
 Concen: 161.732 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX011568.D
 Acq: 15 Aug 2019 19:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.3	142.0
145	27.6	13.6	40.8

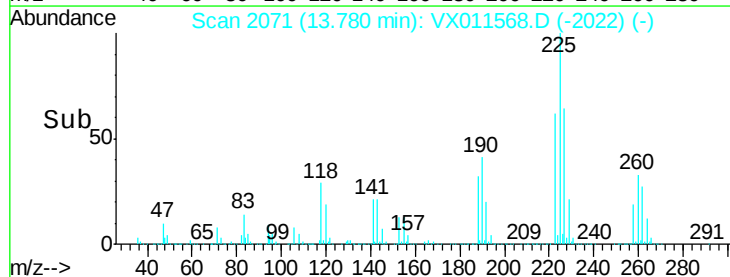
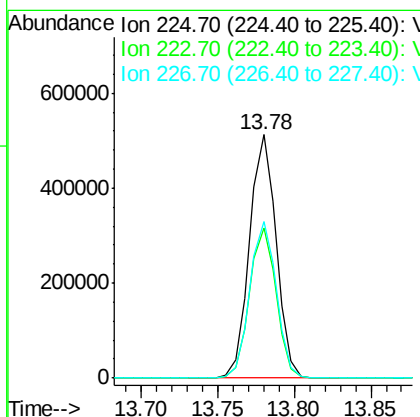
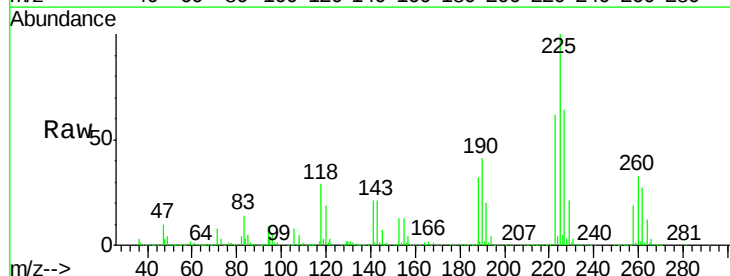
Manual Integrations
 APPROVED

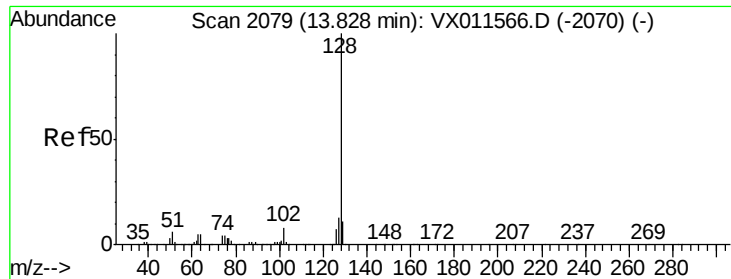
MMDadoda
 8/16/2019 8:29:39 AM



#94
 Hexachlorobutadiene
 Concen: 157.297 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX011568.D
 Acq: 15 Aug 2019 19:37

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	31.4	94.0
227	64.2	31.2	93.6





#95

Naphthalene

Concen: 163.175 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. 0.00 min

Lab File: VX011568.D

Acq: 15 Aug 2019 19:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:128 Resp: 3331835

Ion Ratio Lower Upper

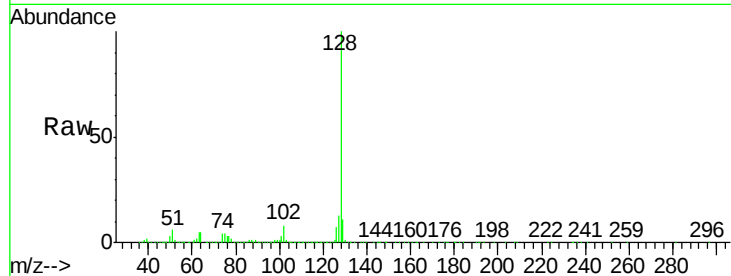
128 100

127 12.9 10.3 15.5

129 11.1 8.7 13.1

Manual Integrations
APPROVED

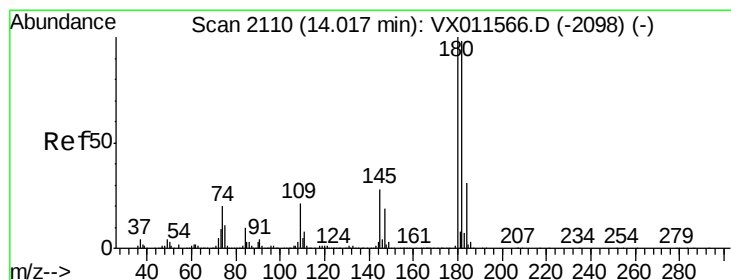
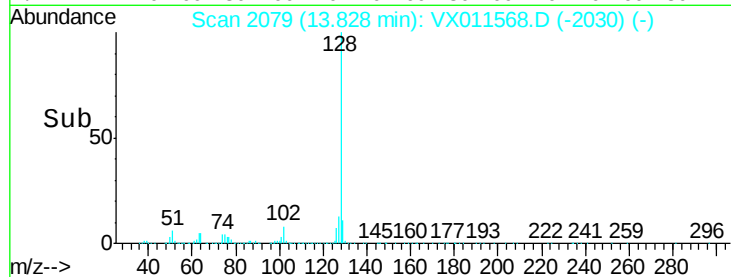
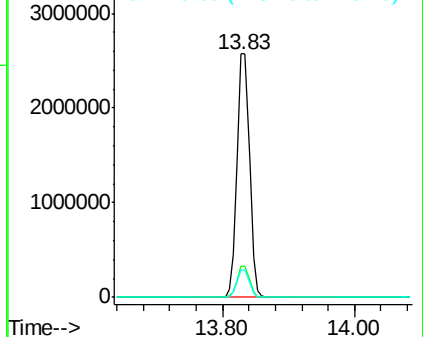
MMDadoda
8/16/2019 8:29:39 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 160.730 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX011568.D

Acq: 15 Aug 2019 19:37

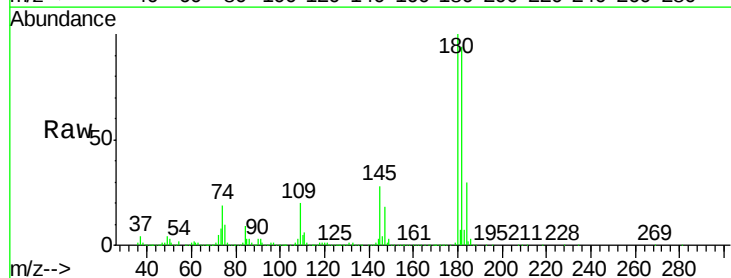
Tgt Ion:180 Resp: 1170911

Ion Ratio Lower Upper

180 100

182 95.9 48.0 144.0

145 29.2 14.6 43.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

