

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032519\
 Data File : VX008413.D
 Acq On : 25 Mar 2019 15:17
 Operator : JC/SP
 Sample : VSTDIC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 3/26/2019 9:46:40 AM

Quant Time: Mar 26 04:38:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 04:13:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	198980	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	341198	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	311921	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	152475	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	286875	95.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	190.58%	
35) Dibromofluoromethane	5.49	113	214742	97.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	194.66%	
50) Toluene-d8	8.71	98	860333	98.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	196.16%	
62) 4-Bromofluorobenzene	11.13	95	330840	102.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	204.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	211586	94.404	ug/l	100
3) Chloromethane	1.32	50	285137	86.282	ug/l	100
4) Vinyl Chloride	1.40	62	297819	91.885	ug/l	100
5) Bromomethane	1.64	94	165219	83.124	ug/l	100
6) Chloroethane	1.70	64	189257	98.510	ug/l	100
7) Trichlorofluoromethane	1.92	101	338581	92.116	ug/l	99
8) Diethyl Ether	2.18	74	159717	90.539	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	204826	93.793	ug/l	100
10) Methyl Iodide	2.51	142	224450	85.200	ug/l	100
11) Tert butyl alcohol	3.06	59	327535	484.970	ug/l	100
12) 1,1-Dichloroethene	2.37	96	209918	92.789	ug/l	97
13) Acrolein	2.29	56	227600	413.795	ug/l	100
14) Allyl chloride	2.72	41	479607	96.161	ug/l	100
15) Acrylonitrile	3.14	53	814793	473.977	ug/l	100
16) Acetone	2.45	43	727876	480.170	ug/l	99
17) Carbon Disulfide	2.56	76	655350	90.852	ug/l	100
18) Methyl Acetate	2.77	43	345456	91.696	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	789583	97.023	ug/l	99
20) Methylene Chloride	2.85	84	252489	92.485	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	225489	92.377	ug/l	97
22) Diisopropyl ether	3.85	45	934805	96.096	ug/l	100
23) Vinyl Acetate	3.81	43	4229591	493.004	ug/l	99
24) 1,1-Dichloroethane	3.69	63	469563	94.764	ug/l	98
25) 2-Butanone	4.68	43	1205432	485.336	ug/l	99
26) 2,2-Dichloropropane	4.58	77	328113	102.076	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	262999	94.015	ug/l	100
28) Bromochloromethane	5.01	49	223120	91.521	ug/l	100
29) Tetrahydrofuran	5.13	42	775616	472.594	ug/l	100
30) Chloroform	5.21	83	425214	95.117	ug/l	100
31) Cyclohexane	5.58	56	445094	93.845	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	351955	99.297	ug/l	99
36) 1,1-Dichloropropene	5.80	75	338001	97.098	ug/l	99
37) Ethyl Acetate	4.84	43	449400	95.790	ug/l	99
38) Carbon Tetrachloride	5.78	117	293538	98.125	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	414954	97.176	ug/l	99
40) Benzene	6.14	78	1016681	95.785	ug/l	99
41) Methacrylonitrile	5.04	41	255584	99.730	ug/l	100
42) 1,2-Dichloroethane	6.19	62	362618	94.123	ug/l	100
43) Isopropyl Acetate	6.45	43	742930	101.418	ug/l	100
44) Trichloroethene	7.21	130	235479	95.456	ug/l	98
45) 1,2-Dichloropropane	7.51	63	290003	96.504	ug/l	98
46) Dibromomethane	7.66	93	168681	94.776	ug/l	99
47) Bromodichloromethane	7.90	83	341717	100.484	ug/l	99
48) Methyl methacrylate	7.77	41	376634	101.551	ug/l	99
49) 1,4-Dioxane	7.74	88	139589	1864.394	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	2429822	503.492	ug/l	99
52) Toluene	8.79	92	614282	98.459	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	403379	110.097	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	437827	105.767	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	250244	96.574	ug/l	98
56) Ethyl methacrylate	9.18	69	489069	106.461	ug/l	100
57) 1,3-Dichloropropane	9.37	76	447016	97.020	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	1214408	494.818	ug/l	99
59) 2-Hexanone	9.49	43	1880904	505.150	ug/l	100
60) Dibromochloromethane	9.58	129	257508	106.945	ug/l	98
61) 1,2-Dibromoethane	9.67	107	261874	99.694	ug/l	99
64) Tetrachloroethene	9.34	164	191921	94.022	ug/l	98
65) Chlorobenzene	10.14	112	642002	97.879	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	231337	101.639	ug/l	99
67) Ethyl Benzene	10.25	91	1210961	98.398	ug/l	100
68) m/p-Xylenes	10.36	106	886184	200.424	ug/l	99
69) o-Xylene	10.69	106	432570	100.042	ug/l	100
70) Styrene	10.71	104	773892	103.173	ug/l	100
71) Bromoform	10.85	173	196753	111.507	ug/l	100
73) Isopropylbenzene	11.02	105	1141157	94.817	ug/l	100
74) N-amyl acetate	10.90	43	695809	98.748	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	435741	91.111	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	423602m	106.084	ug/l	
77) Bromobenzene	11.26	156	278215	97.347	ug/l	99
78) n-propylbenzene	11.36	91	1373474	97.437	ug/l	100
79) 2-Chlorotoluene	11.42	91	808708	93.906	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	984295	96.108	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	156466	111.973	ug/l	97
82) 4-Chlorotoluene	11.51	91	954747	96.384	ug/l	99
83) tert-Butylbenzene	11.77	119	959949	98.681	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	996991	97.425	ug/l	100
85) sec-Butylbenzene	11.94	105	1132612	96.798	ug/l	99
86) p-Isopropyltoluene	12.06	119	1026776	99.564	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	498667	97.238	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	496729	95.062	ug/l	99
89) n-Butylbenzene	12.39	91	1004301	102.101	ug/l	99
90) Hexachloroethane	12.60	117	178735	104.708	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	491165	94.337	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	98122	96.426	ug/l	99

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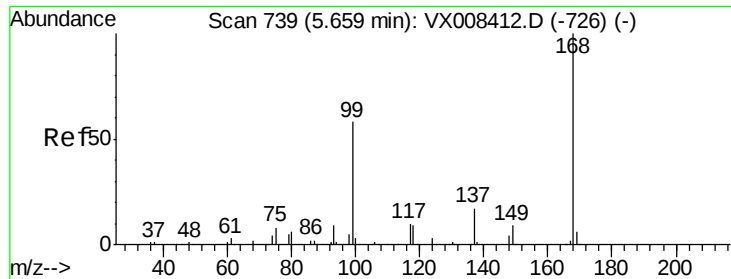
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	342716	97.388	ug/l	100
94) Hexachlorobutadiene	13.78	225	162090	97.562	ug/l	99
95) Naphthalene	13.83	128	1153975	94.137	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	338908	95.882	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX008413.D

Acq: 25 Mar 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 198980

Ion Ratio Lower Upper

168 100

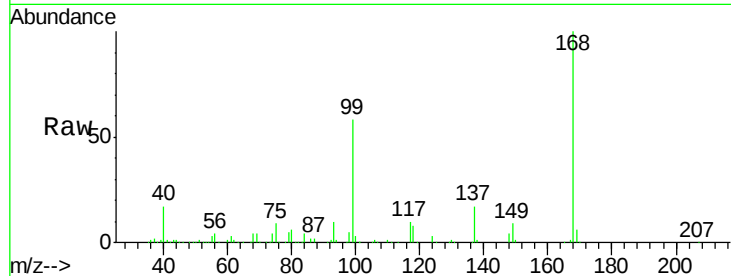
99 58.0 46.0 69.0

Manual Integrations

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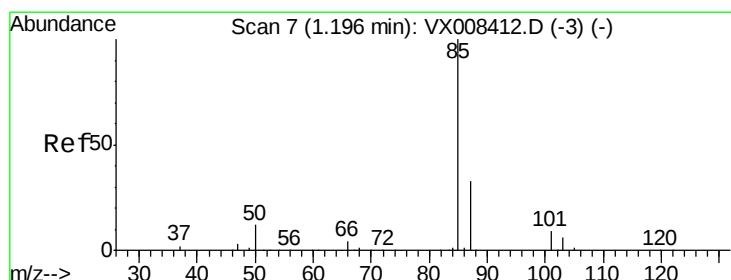
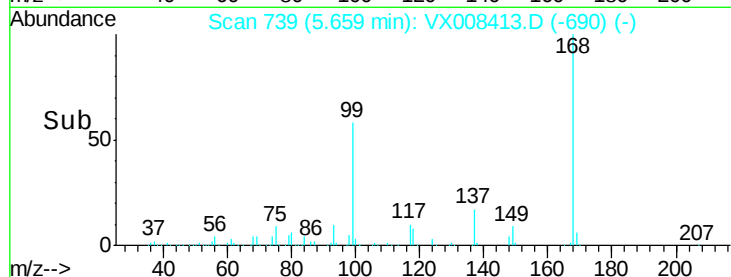
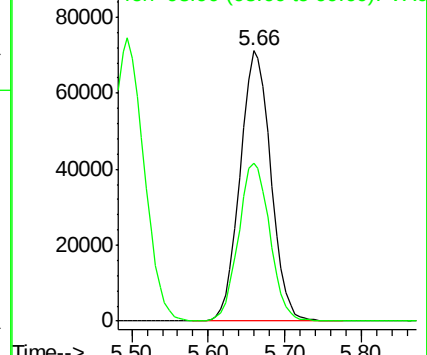
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 94.404 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX008413.D

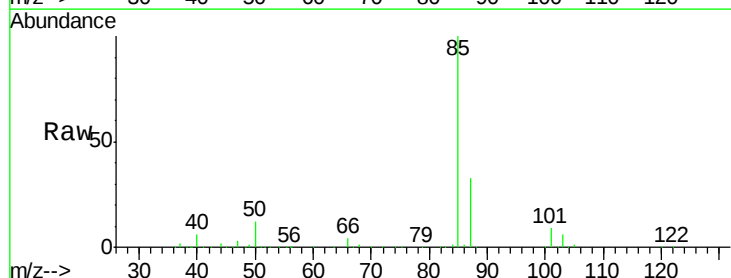
Acq: 25 Mar 2019 15:17

Tgt Ion: 85 Resp: 211586

Ion Ratio Lower Upper

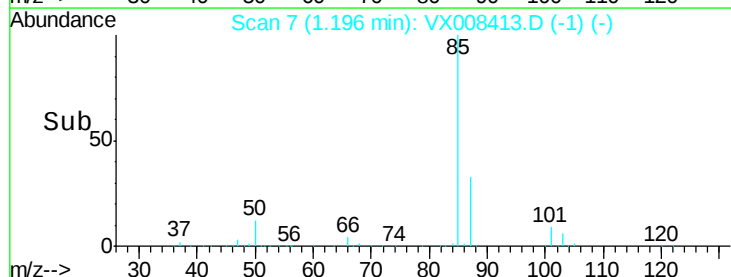
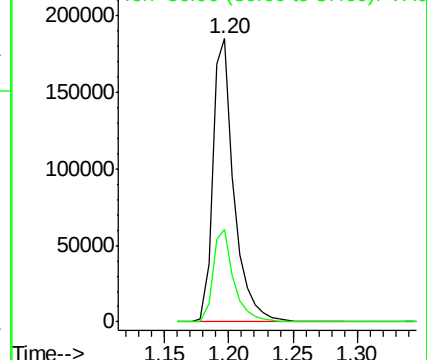
85 100

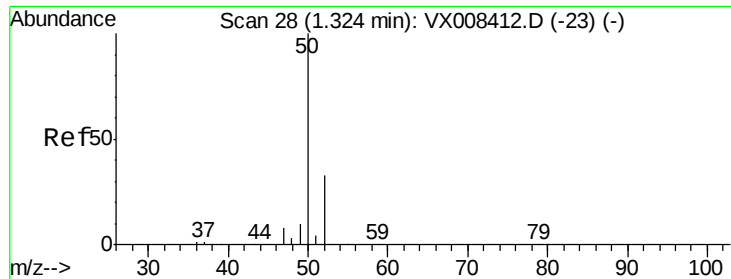
87 32.6 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 86.282 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008413.D

Acq: 25 Mar 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 285137

Ion Ratio Lower Upper

50 100

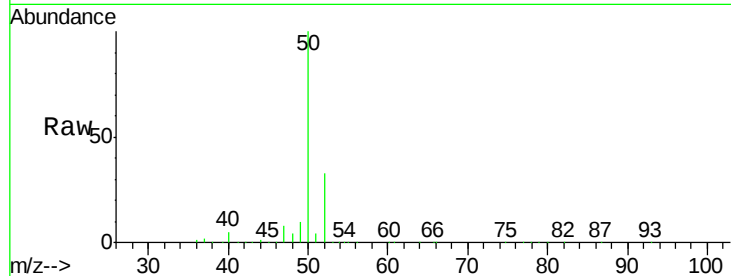
52 32.8 26.2 39.2

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

250000

200000

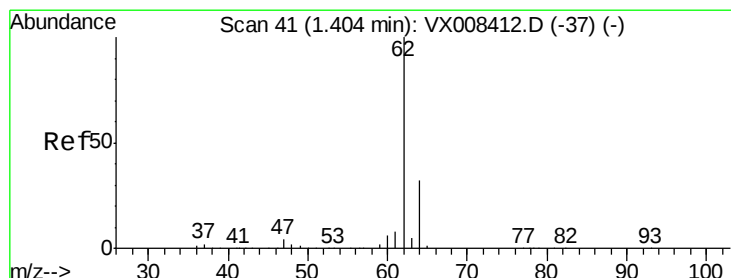
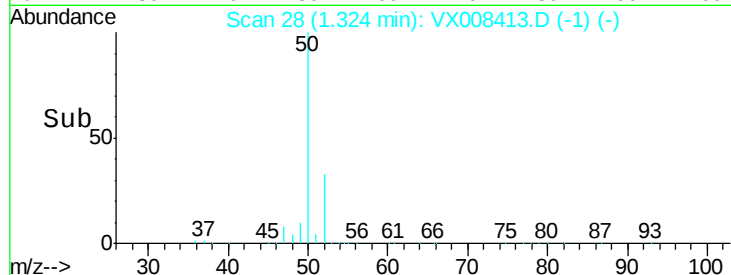
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 91.885 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX008413.D

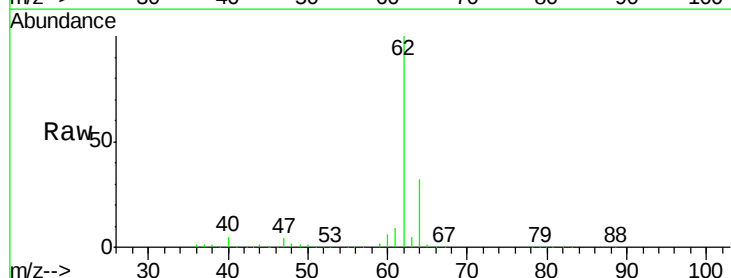
Acq: 25 Mar 2019 15:17

Tgt Ion: 62 Resp: 297819

Ion Ratio Lower Upper

62 100

64 31.9 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

250000

200000

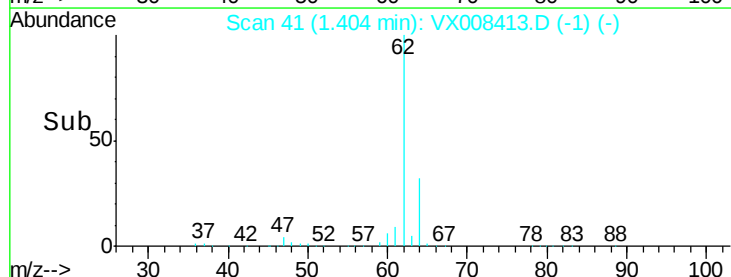
150000

100000

50000

0

Time-->





#5

Bromomethane

Concen: 83.124 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008413.D

Acq: 25 Mar 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 165219

Ion Ratio Lower Upper

94 100

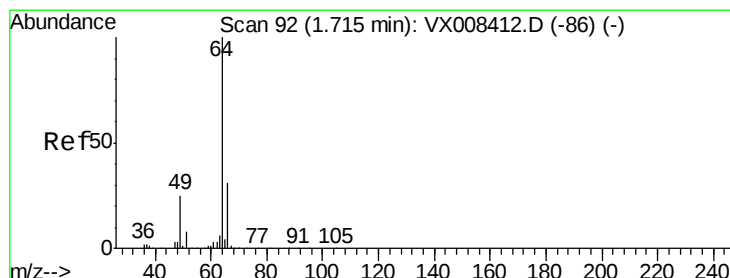
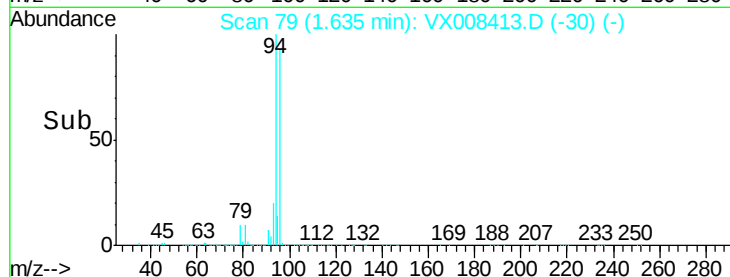
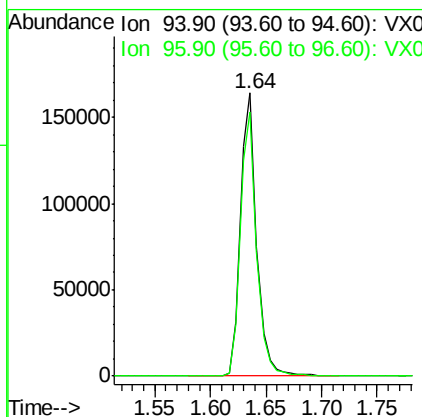
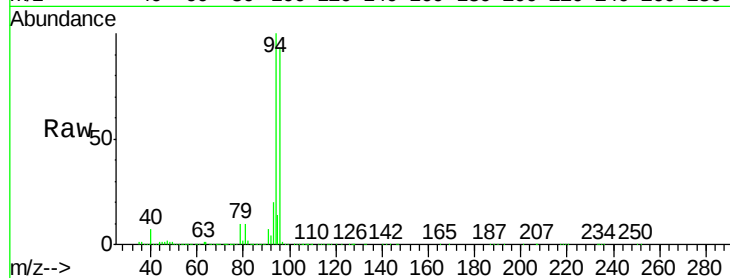
96 93.5 74.8 112.2

Manual Integrations

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#6

Chloroethane

Concen: 98.510 ug/l

RT: 1.70 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX008413.D

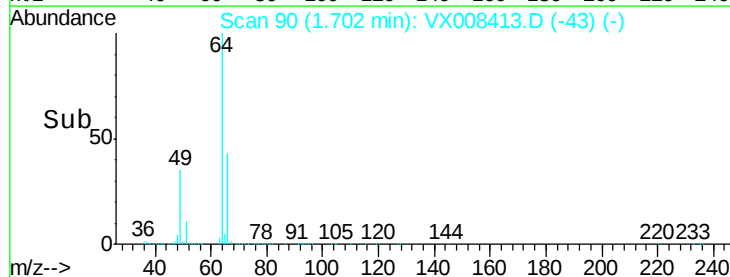
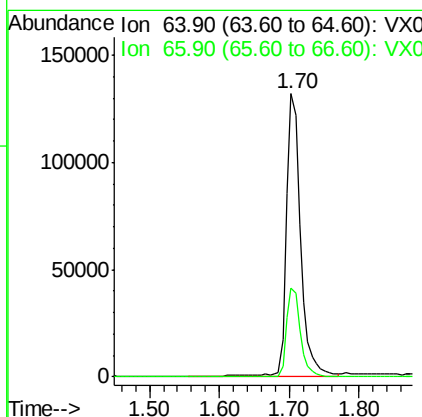
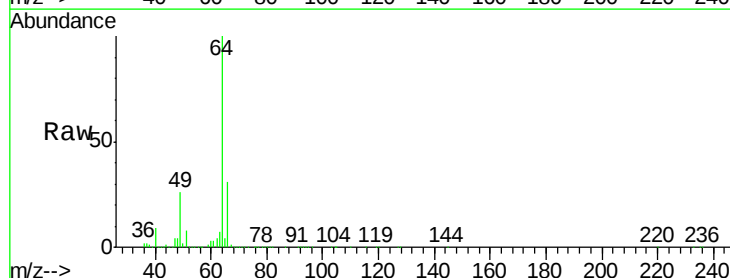
Acq: 25 Mar 2019 15:17

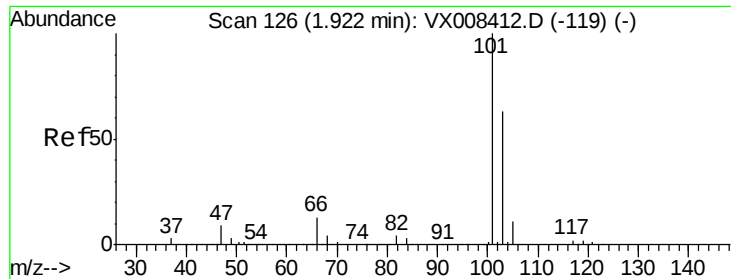
Tgt Ion: 64 Resp: 189257

Ion Ratio Lower Upper

64 100

66 31.2 25.1 37.7





#7

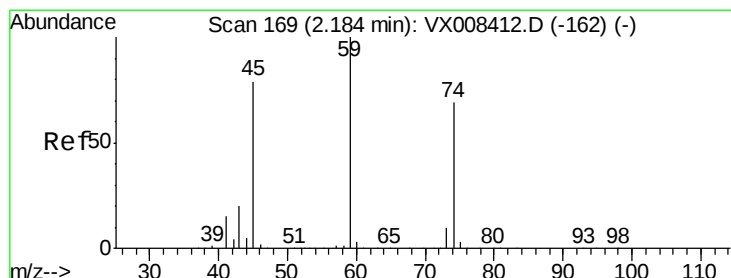
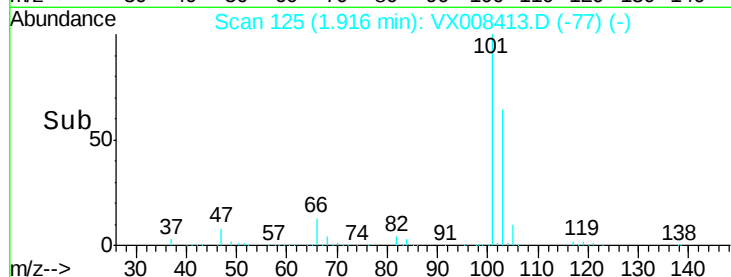
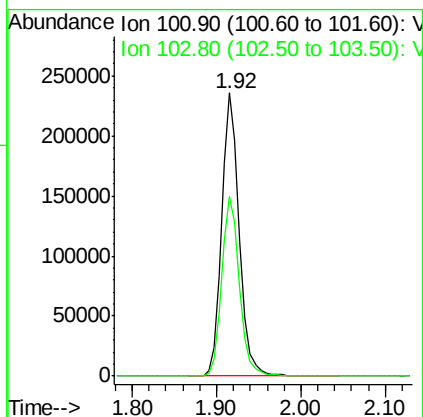
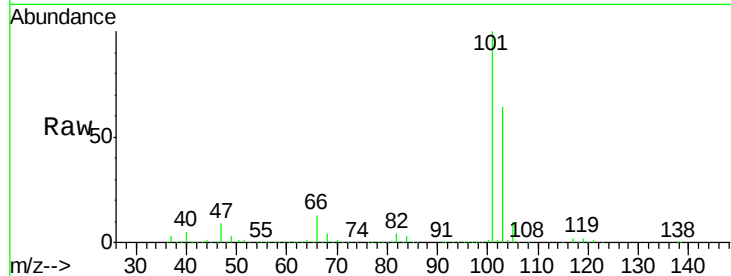
Trichlorofluoromethane
Concen: 92.116 ug/l
RT: 1.92 min Scan# 125
Delta R.T. -0.01 min
Lab File: VX008413.D
Acq: 25 Mar 2019 15:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.6	50.2	75.4

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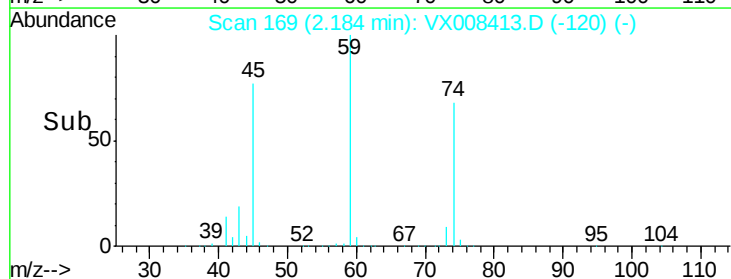
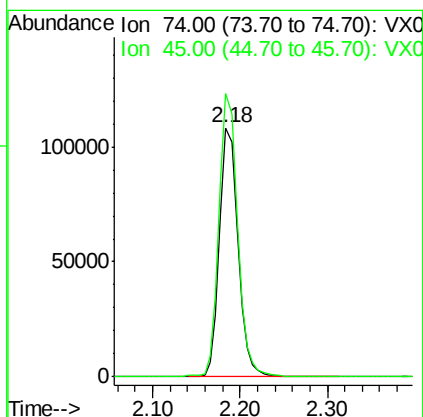
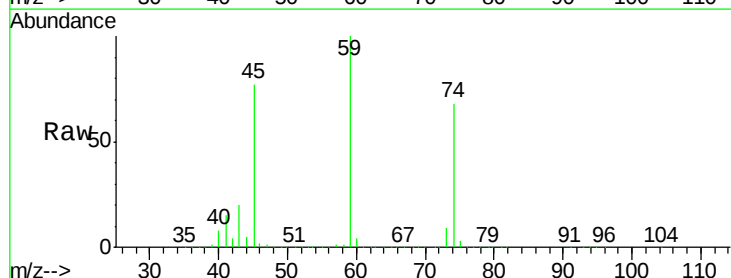
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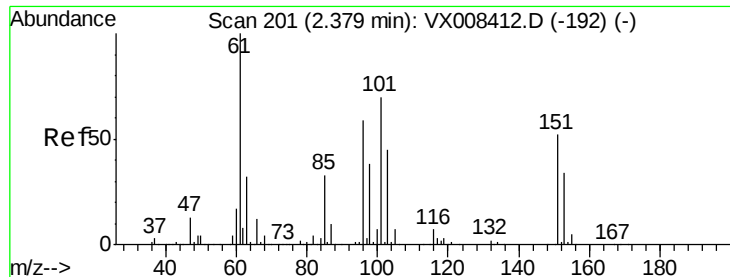


#8

Diethyl Ether
Concen: 90.539 ug/l
RT: 2.18 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX008413.D
Acq: 25 Mar 2019 15:17

Tgt Ion	Ratio	Lower	Upper
74	100		
45	114.3	56.4	169.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 93.793 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.01 min

Lab File: VX008413.D

Acq: 25 Mar 2019 15:17

Instrument :

MSVOA_X

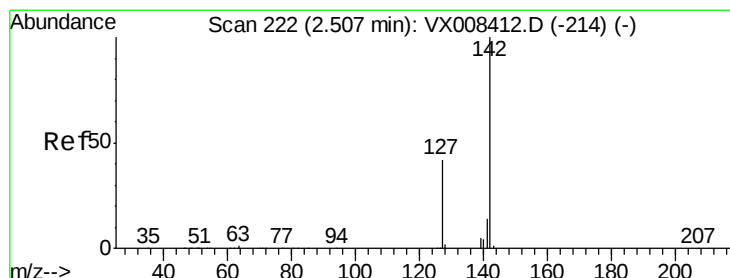
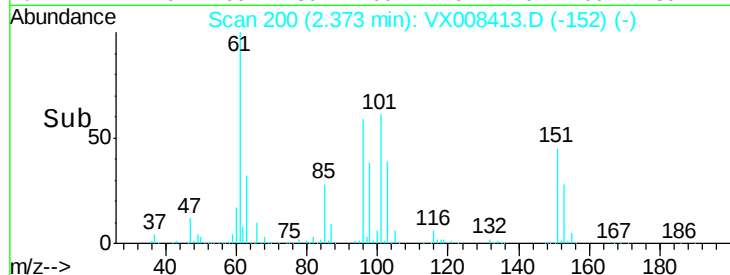
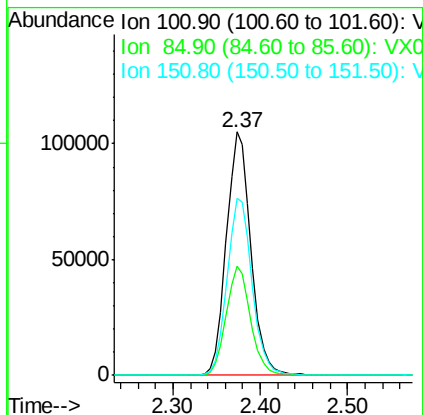
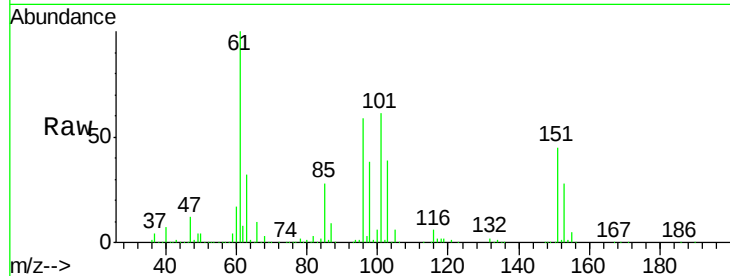
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	204826
Ion Ratio	Lower	Upper	
101	100		
85	44.7	36.0	54.0
151	74.3	59.2	88.8

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#10

Methyl Iodide

Concen: 85.200 ug/l

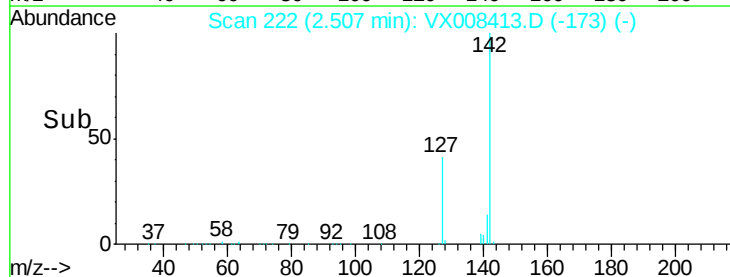
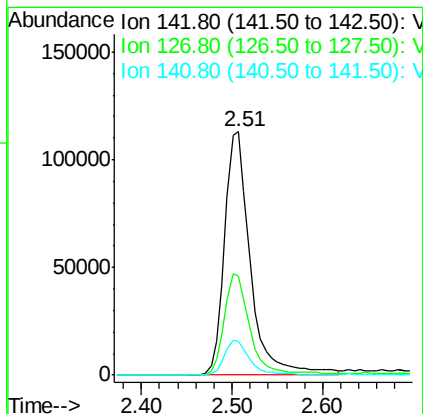
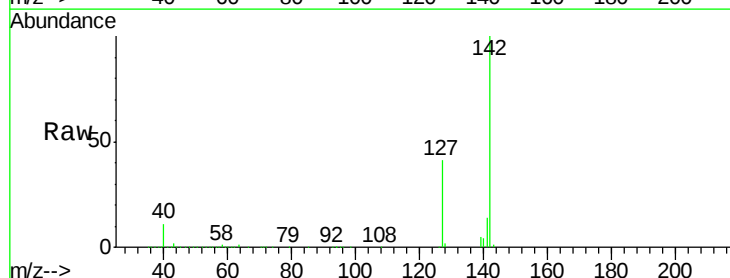
RT: 2.51 min Scan# 222

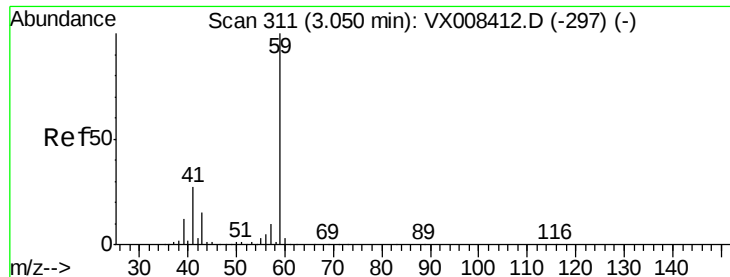
Delta R.T. 0.00 min

Lab File: VX008413.D

Acq: 25 Mar 2019 15:17

Tgt Ion:	142	Resp:	224450
Ion Ratio	Lower	Upper	
142	100		
127	41.8	33.6	50.4
141	14.2	11.3	16.9





#11

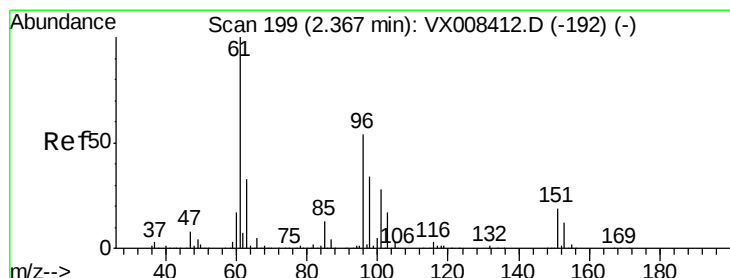
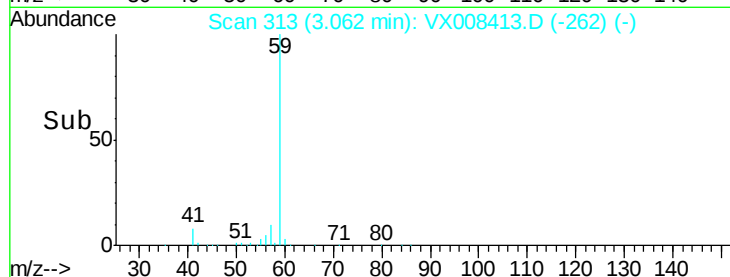
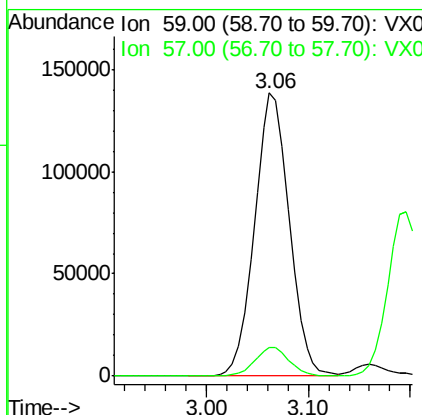
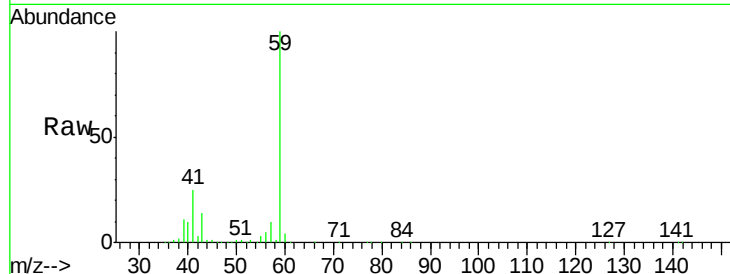
Tert butyl alcohol
Concen: 484.970 ug/l
RT: 3.06 min Scan# 313
Delta R.T. 0.01 min
Lab File: VX008413.D
Acq: 25 Mar 2019 15:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.4

Manual Integrations
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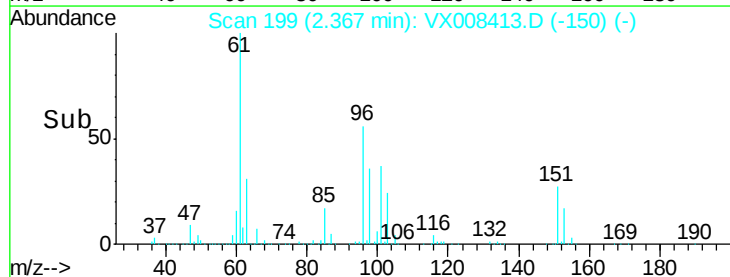
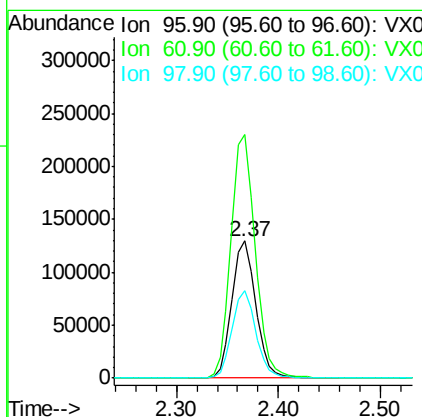
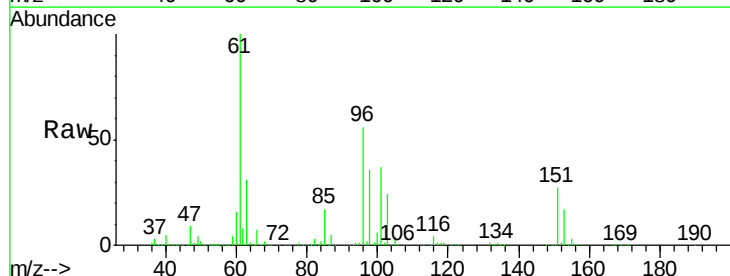
MMDadoda
3/26/2019 9:46:40 AM

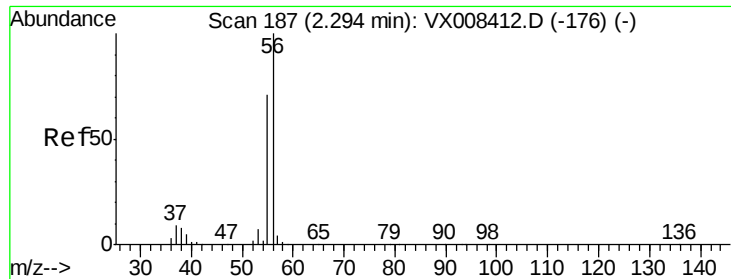


#12

1,1-Dichloroethene
Concen: 92.789 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX008413.D
Acq: 25 Mar 2019 15:17

Tgt Ion	Ratio	Lower	Upper
96	100		
61	177.7	146.9	220.3
98	63.5	50.1	75.1





#13

Acrolein

Concen: 413.795 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX008413.D

Acq: 25 Mar 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 227600

Ion Ratio Lower Upper

56 100

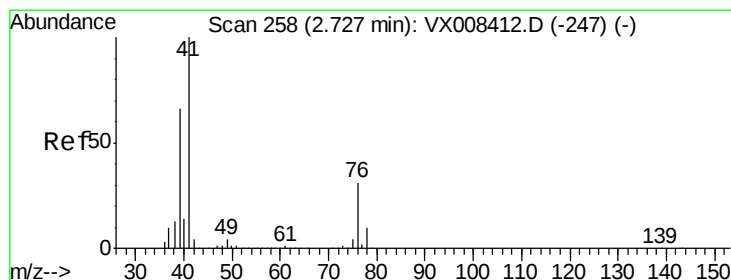
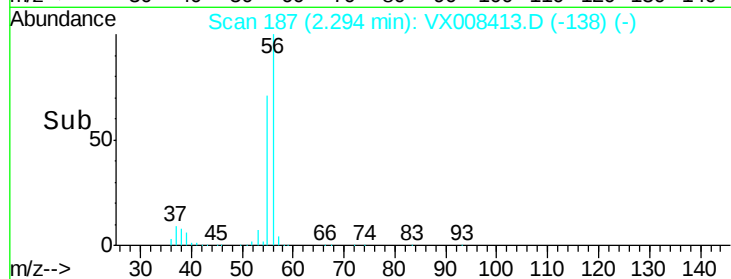
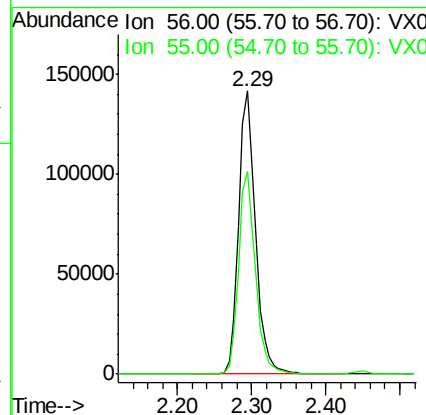
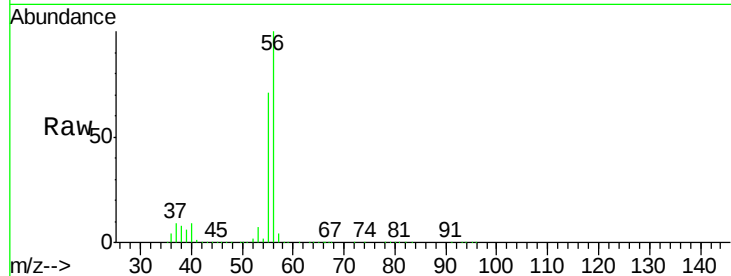
55 70.6 56.5 84.7

Manual Integrations

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#14

Allyl chloride

Concen: 96.161 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.01 min

Lab File: VX008413.D

Acq: 25 Mar 2019 15:17

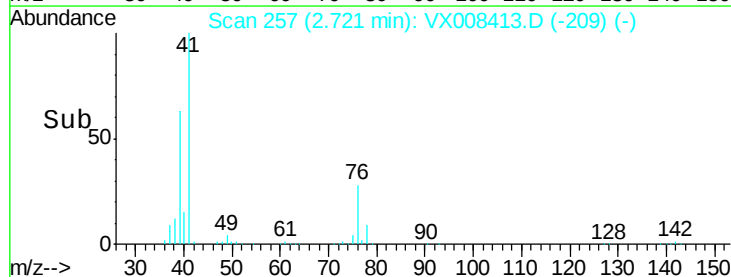
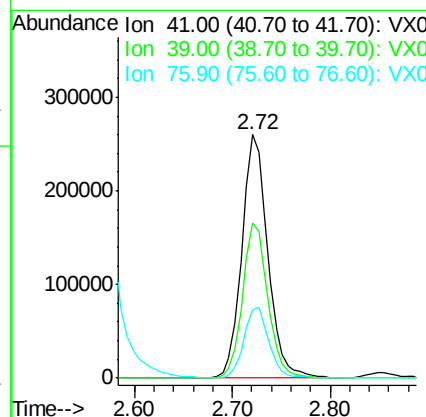
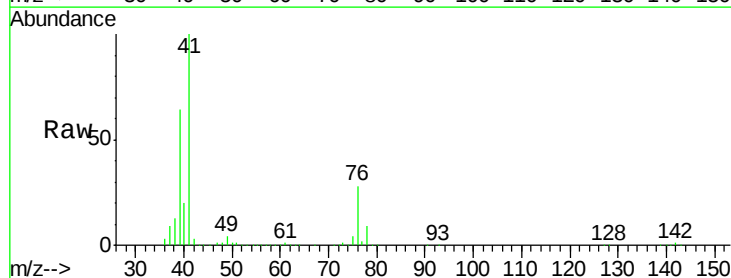
Tgt Ion: 41 Resp: 479607

Ion Ratio Lower Upper

41 100

39 62.0 49.6 74.4

76 28.2 22.6 34.0





#15

Acrylonitrile

Concen: 473.977 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX008413.D

Acq: 25 Mar 2019 15:17

Instrument :

MSVOA_X

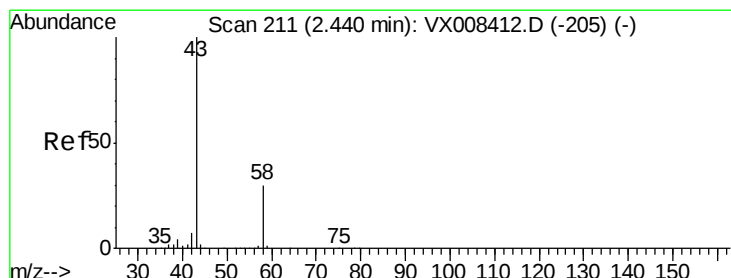
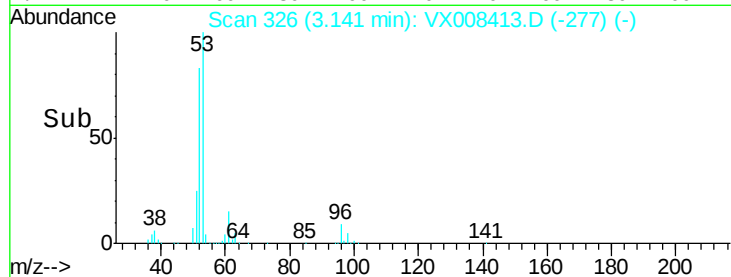
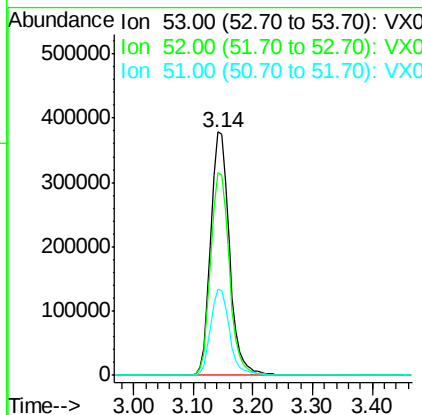
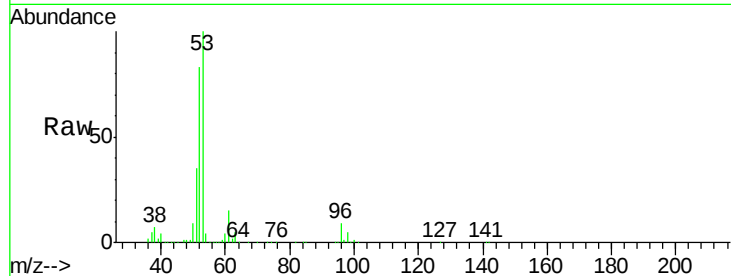
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	814793
Ion	Ratio	Lower	Upper
53	100		
52	83.4	66.5	99.7
51	35.8	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 480.170 ug/l

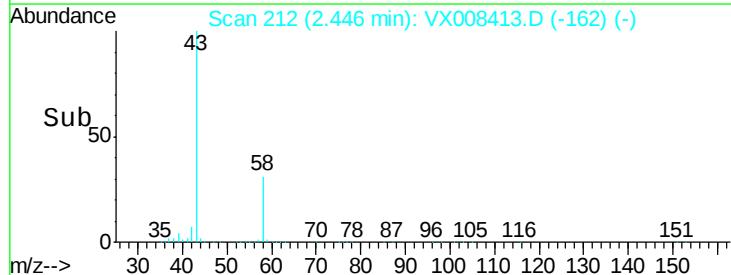
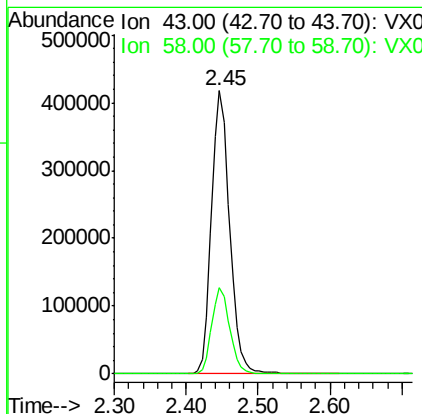
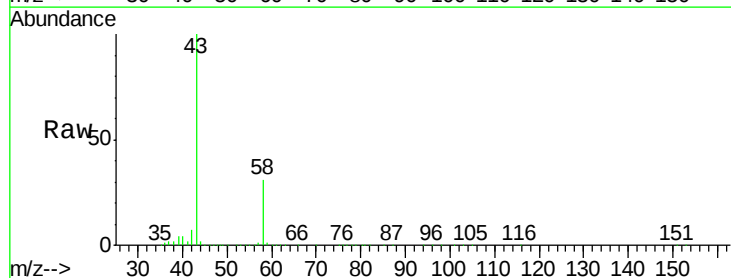
RT: 2.45 min Scan# 212

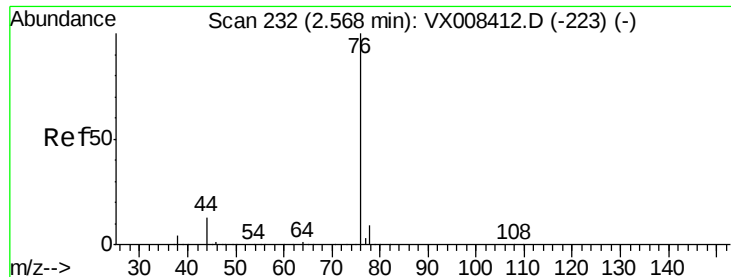
Delta R.T. 0.01 min

Lab File: VX008413.D

Acq: 25 Mar 2019 15:17

Tgt Ion:	43	Resp:	727876
Ion	Ratio	Lower	Upper
43	100		
58	30.7	24.2	36.2





#17

Carbon Disulfide

Concen: 90.852 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX008413.D

Acq: 25 Mar 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 655350

Ion Ratio Lower Upper

76 100

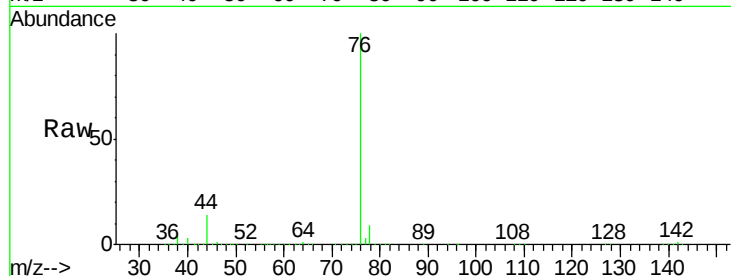
78 9.2 7.4 11.2

Manual Integrations

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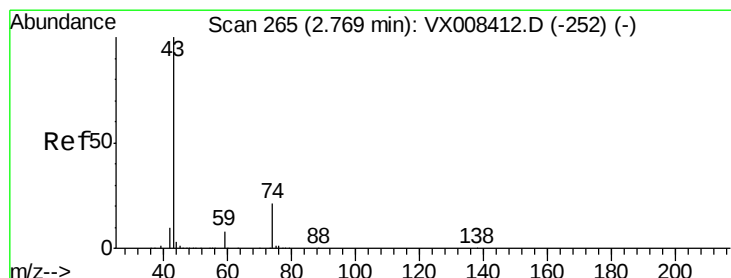
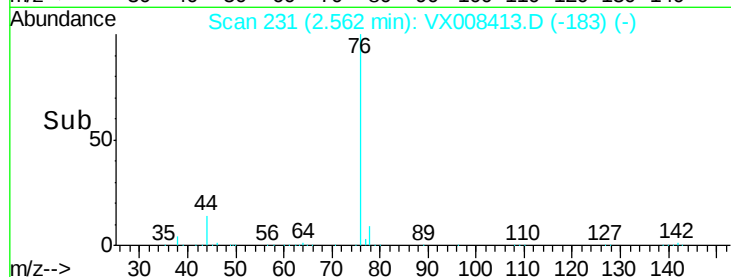
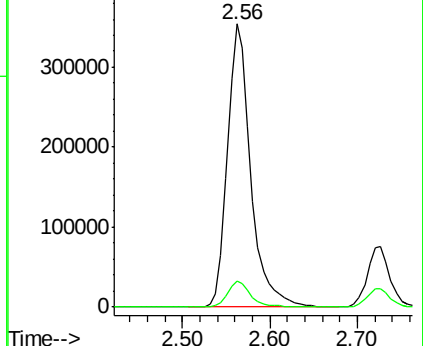
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 91.696 ug/l

RT: 2.77 min Scan# 265

Delta R.T. 0.00 min

Lab File: VX008413.D

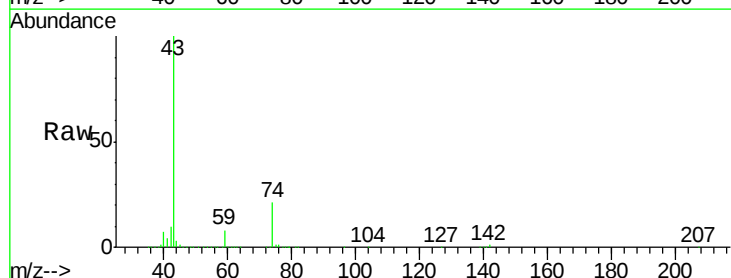
Acq: 25 Mar 2019 15:17

Tgt Ion: 43 Resp: 345456

Ion Ratio Lower Upper

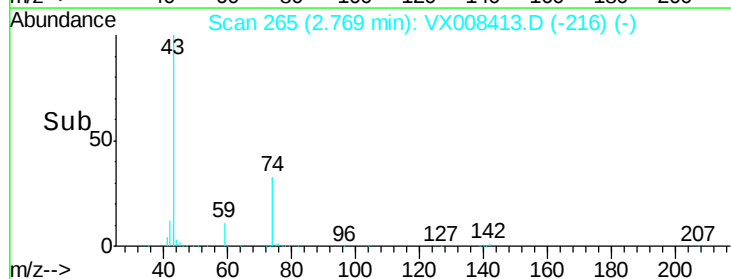
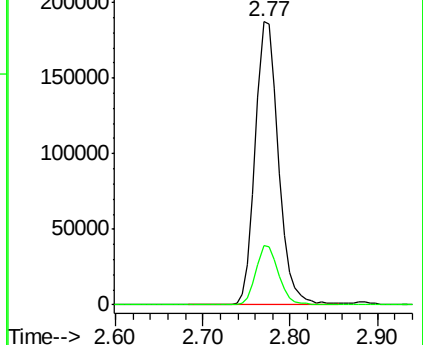
43 100

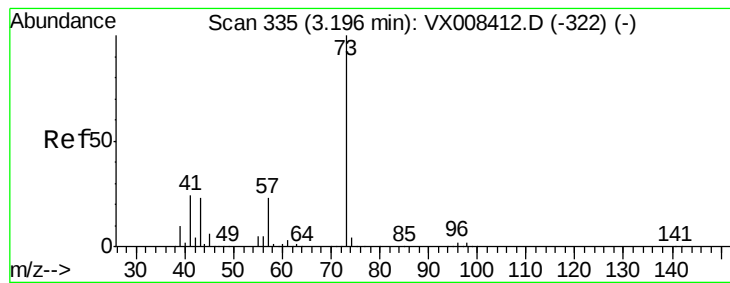
74 20.7 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#19

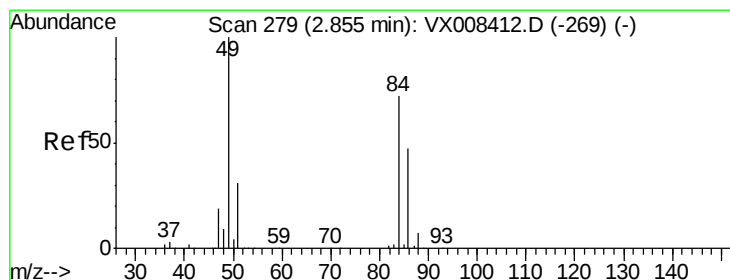
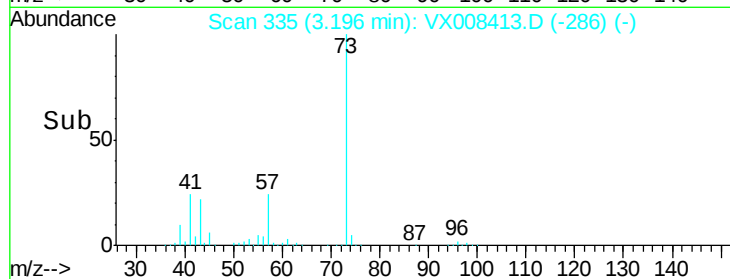
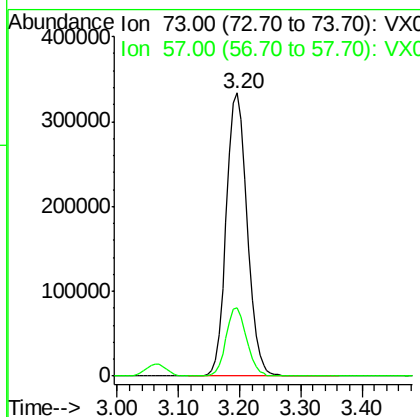
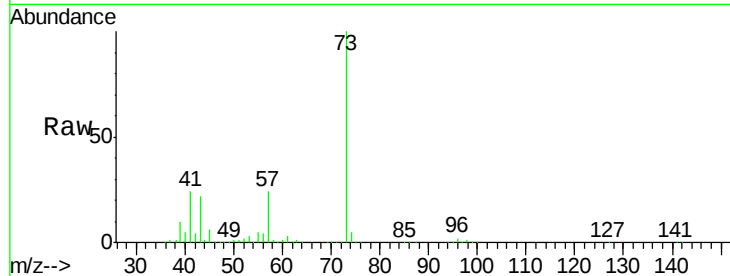
Methyl tert-butyl Ether
 Concen: 97.023 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. 0.00 min
 Lab File: VX008413.D
 Acq: 25 Mar 2019 15:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.0	18.6	28.0

Manual Integrations
 APPROVED

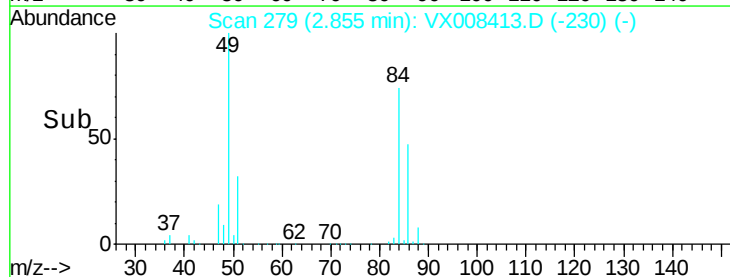
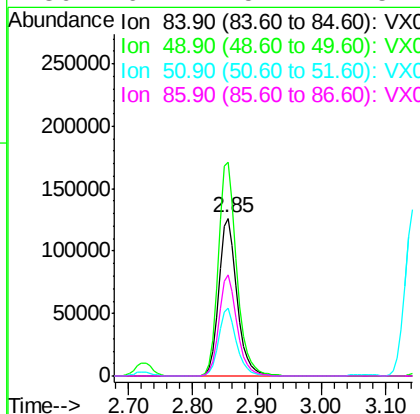
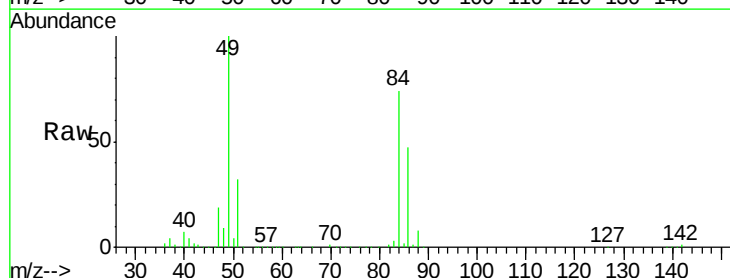
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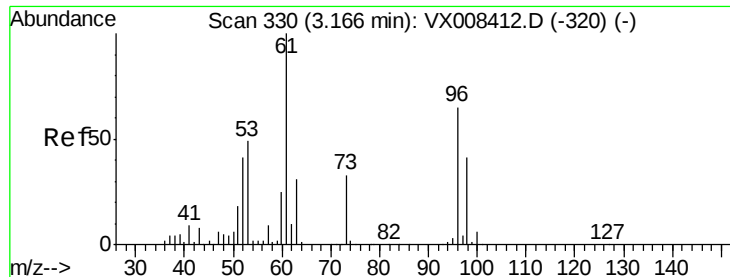


#20

Methylene Chloride
 Concen: 92.485 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX008413.D
 Acq: 25 Mar 2019 15:17

Tgt Ion	Ratio	Lower	Upper
84	100		
49	135.1	110.6	165.8
51	42.6	33.9	50.9
86	64.1	52.2	78.2





#21

trans-1,2-Dichloroethene

Concen: 92.377 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX008413.D

Acq: 25 Mar 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 225489

Ion Ratio Lower Upper

96 100

61 157.9 122.6 184.0

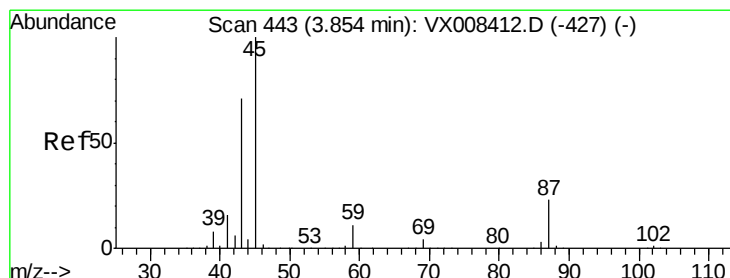
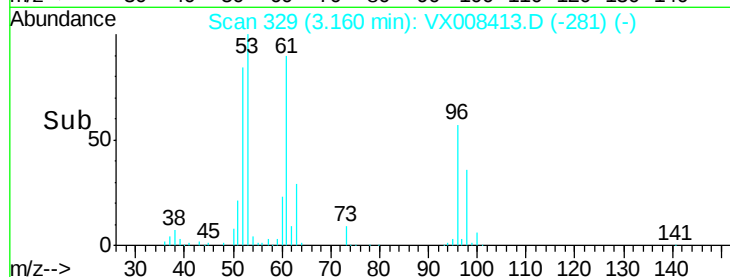
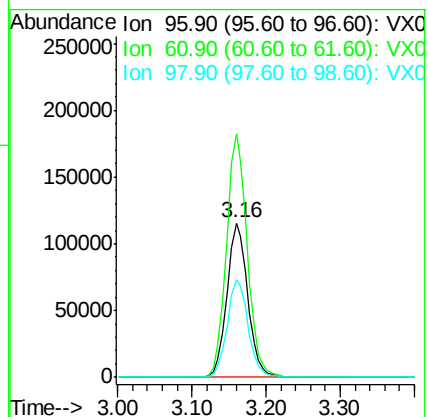
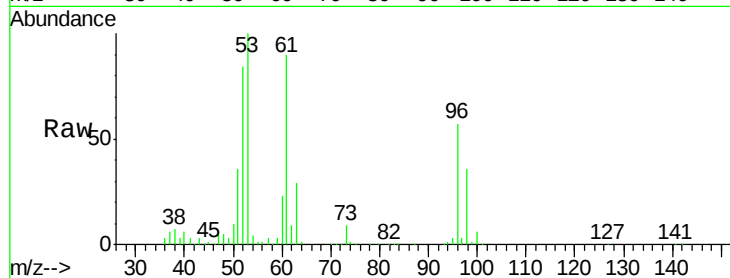
98 63.4 50.9 76.3

Manual Integrations

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#22

Diisopropyl ether

Concen: 96.096 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX008413.D

Acq: 25 Mar 2019 15:17

Tgt Ion: 45 Resp: 934805

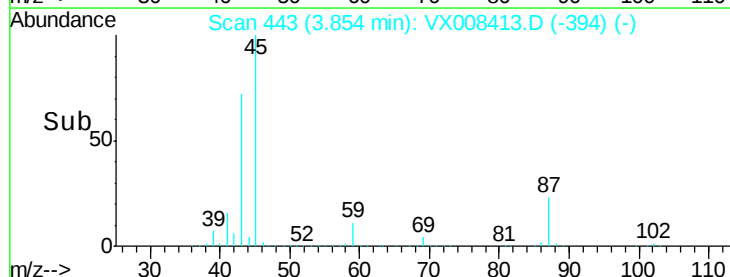
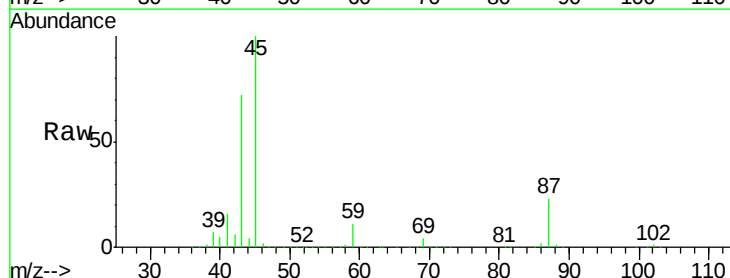
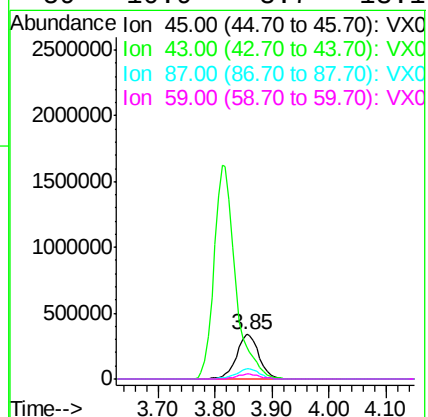
Ion Ratio Lower Upper

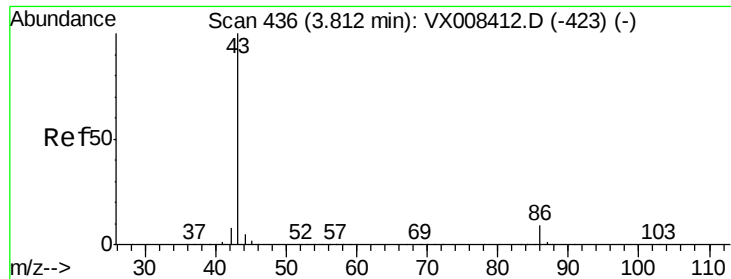
45 100

43 71.7 57.1 85.7

87 23.1 18.8 28.2

59 10.9 8.7 13.1





#23

Vinyl Acetate

Concen: 493.004 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX008413.D

Acq: 25 Mar 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 43 Resp: 4229591

Ion Ratio Lower Upper

43 100

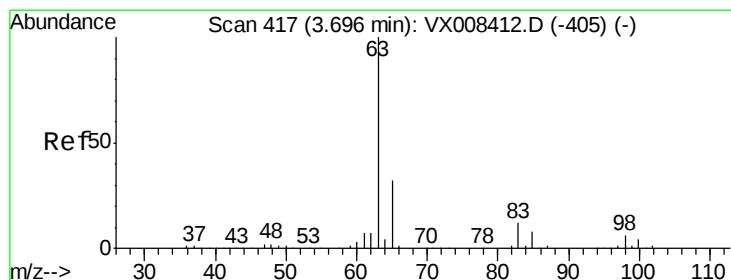
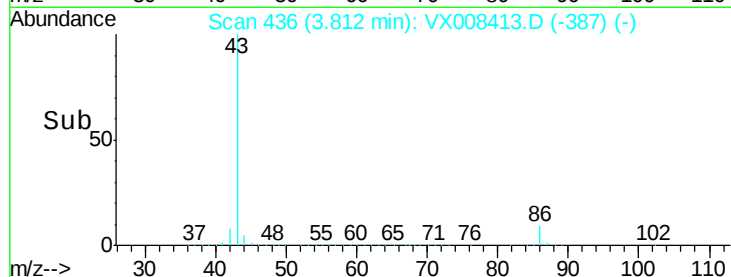
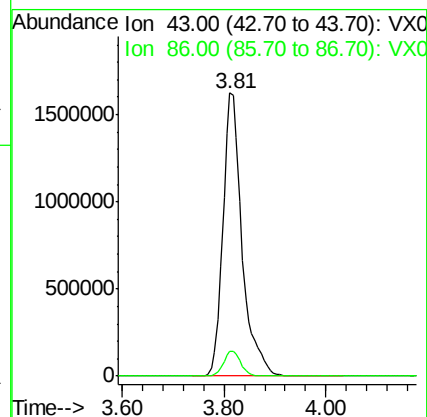
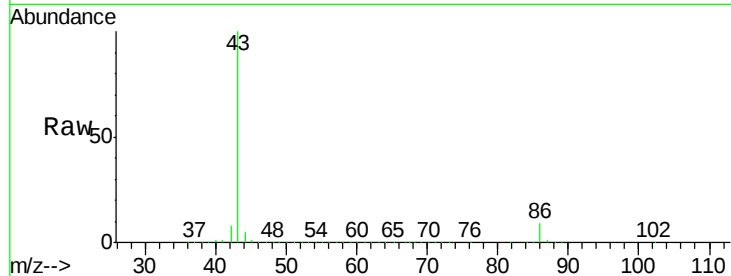
86 8.8 6.9 10.3

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 94.764 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX008413.D

Acq: 25 Mar 2019 15:17

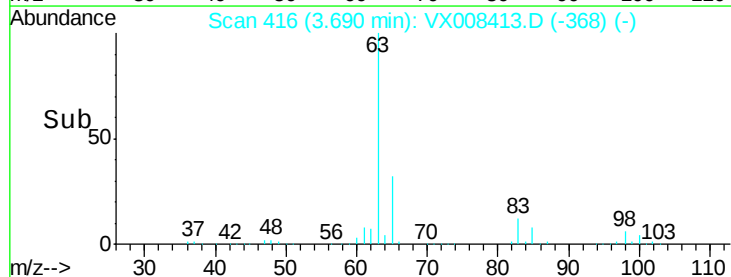
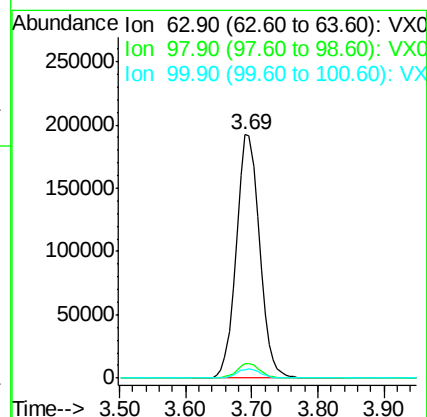
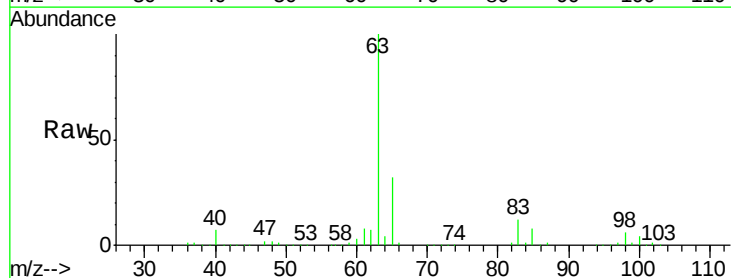
Tgt Ion: 63 Resp: 469563

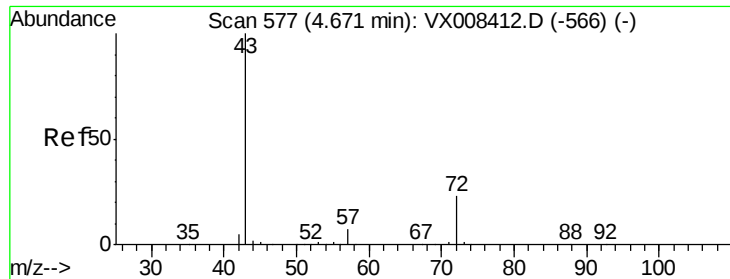
Ion Ratio Lower Upper

63 100

98 5.8 3.2 9.6

100 3.5 2.0 5.8





#25

2-Butanone

Concen: 485.336 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX008413.D

Acq: 25 Mar 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1205432

Ion Ratio Lower Upper

43 100

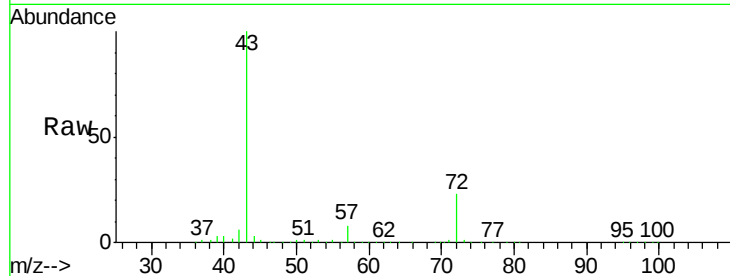
72 23.0 18.6 28.0

Manual Integrations

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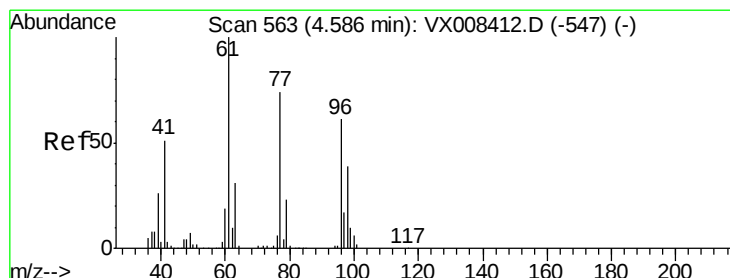
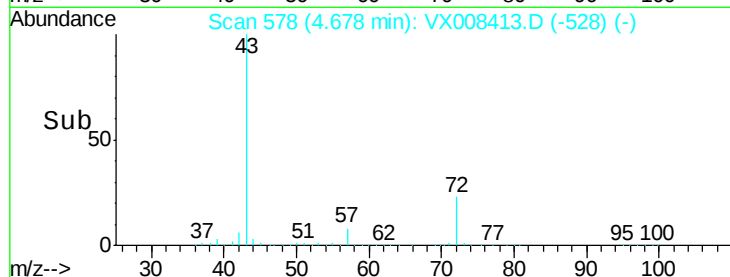
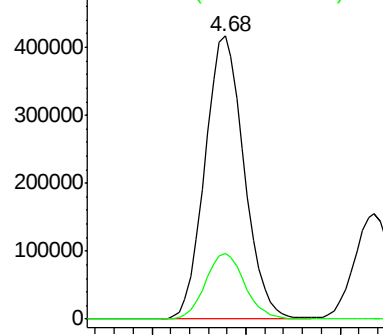
MMDadoda

3/26/2019 9:46:40 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 102.076 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX008413.D

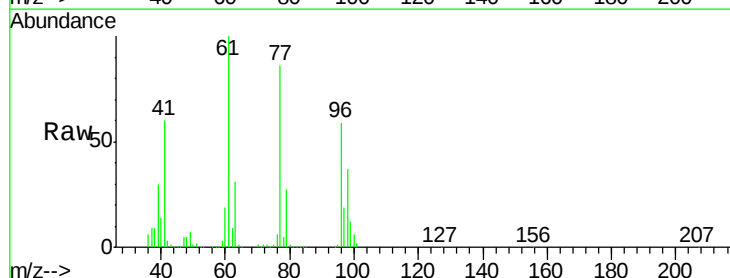
Acq: 25 Mar 2019 15:17

Tgt Ion: 77 Resp: 328113

Ion Ratio Lower Upper

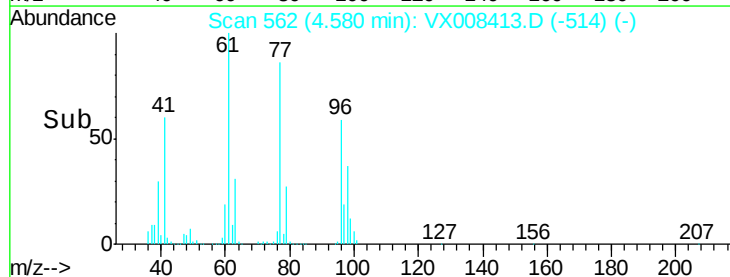
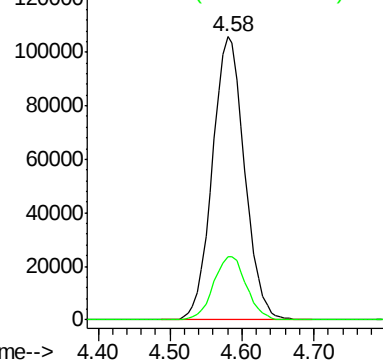
77 100

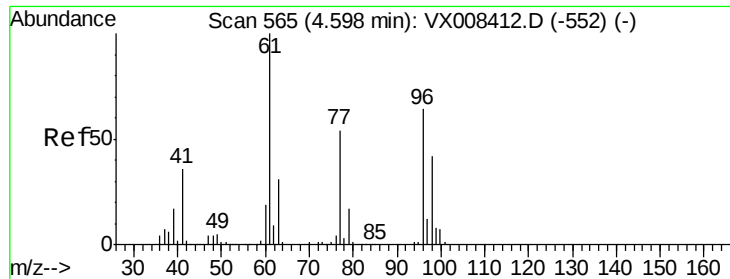
97 22.9 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

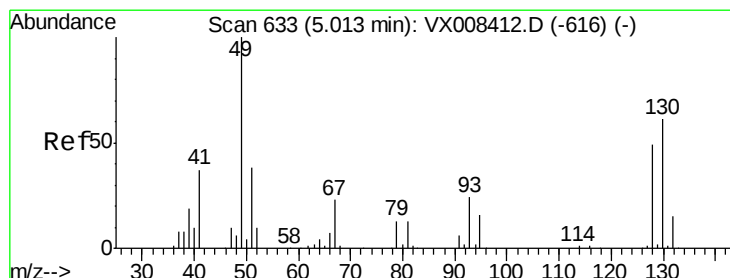
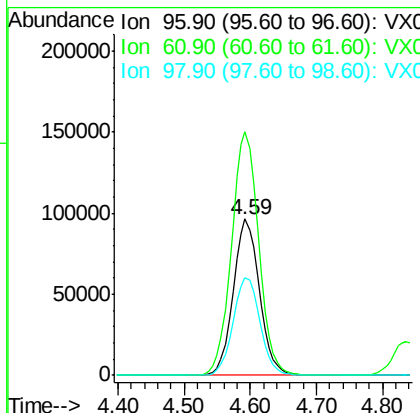
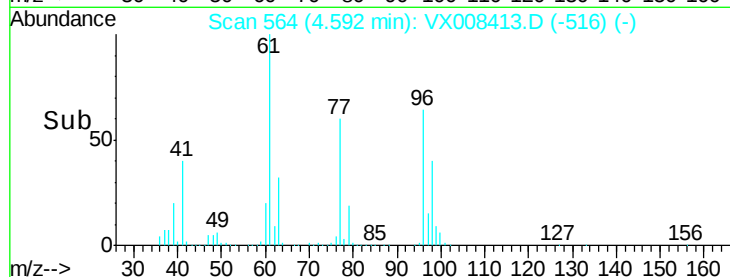
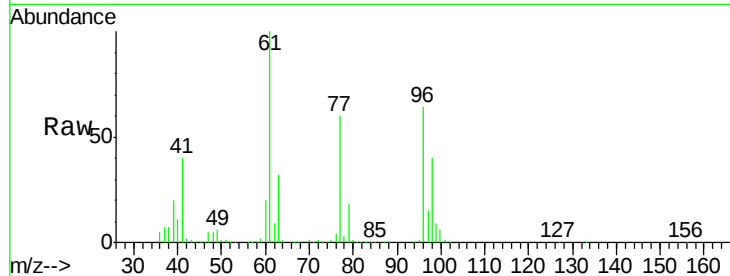
cis-1,2-Dichloroethene
Concen: 94.015 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX008413.D
Acq: 25 Mar 2019 15:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	262999		
61	162.7	0.0	325.6	
98	64.6	0.0	130.0	

Manual Integrations
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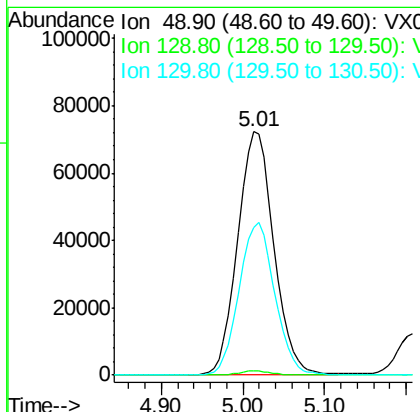
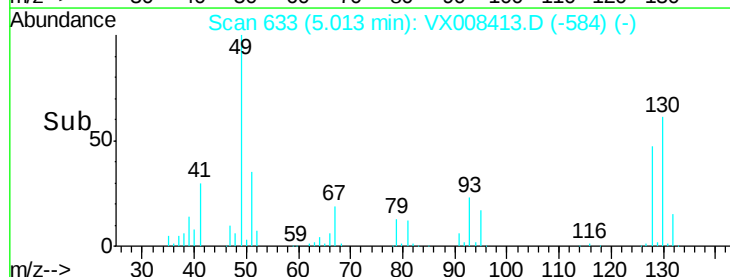
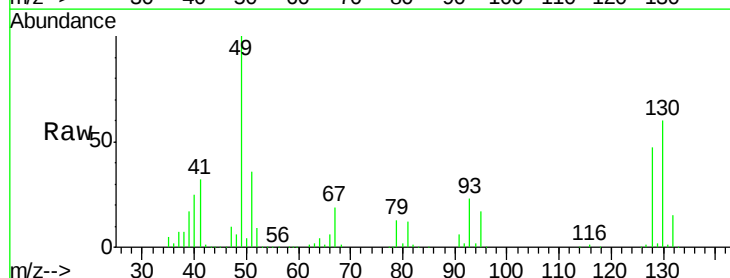
MMDadoda
3/26/2019 9:46:40 AM

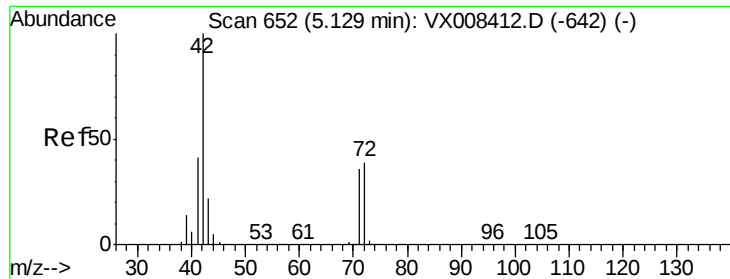


#28

Bromochloromethane
Concen: 91.521 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX008413.D
Acq: 25 Mar 2019 15:17

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	223120		
129	1.6	0.0	3.4	
130	61.9	49.8	74.6	





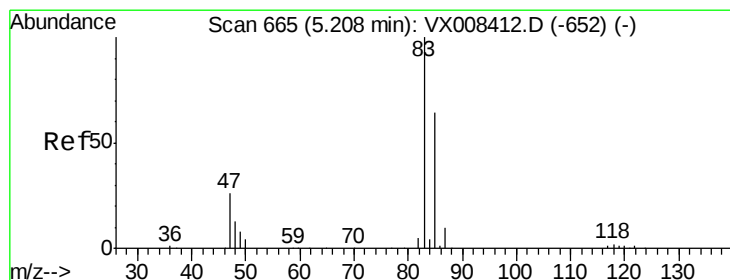
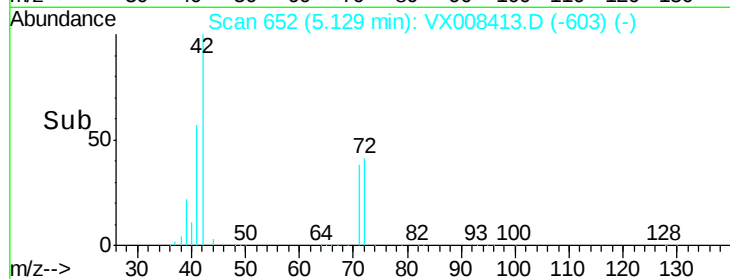
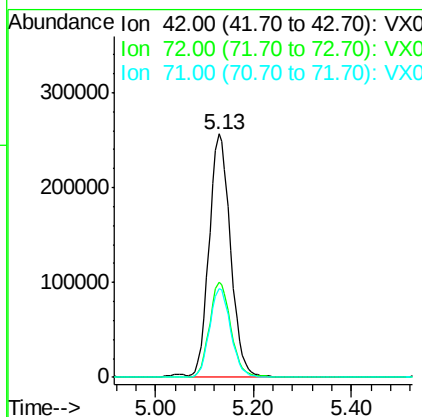
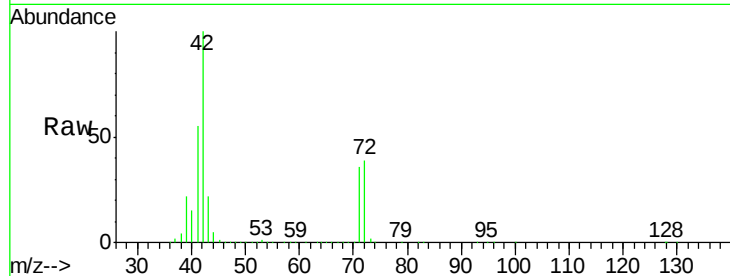
#29
Tetrahydrofuran
Concen: 472.594 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX008413.D
Acq: 25 Mar 2019 15:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.2	31.4	47.2
71	36.5	29.4	44.2

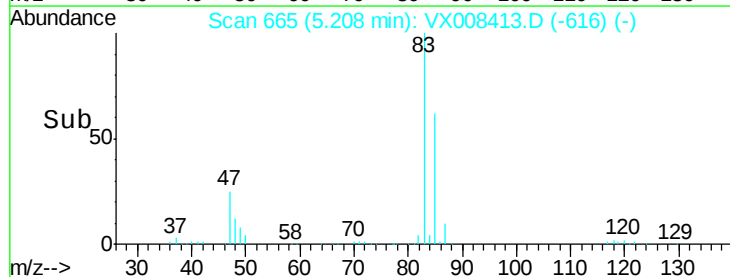
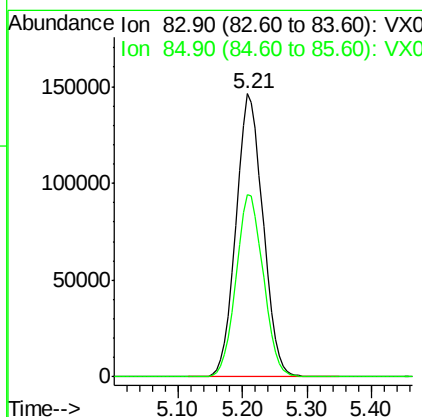
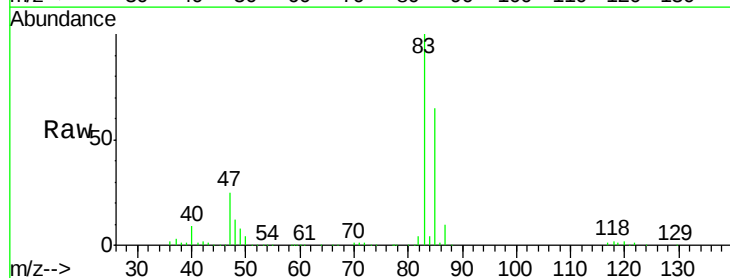
Manual Integrations
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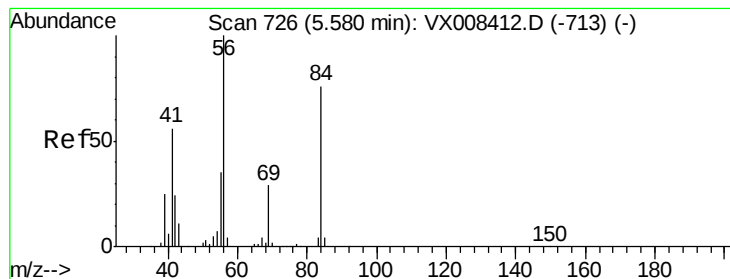
MMDadoda
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#30
Chloroform
Concen: 95.117 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX008413.D
Acq: 25 Mar 2019 15:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.4	77.2





#31

Cyclohexane

Concen: 93.845 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX008413.D

Acq: 25 Mar 2019 15:17

Instrument :

MSVOA_X

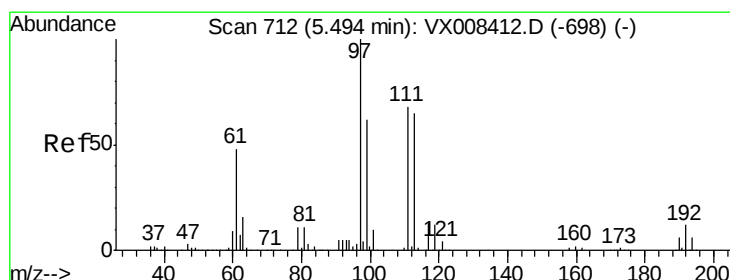
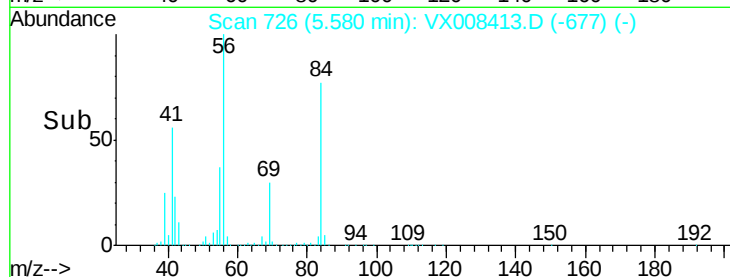
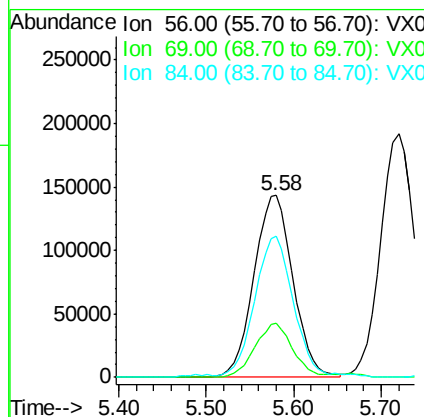
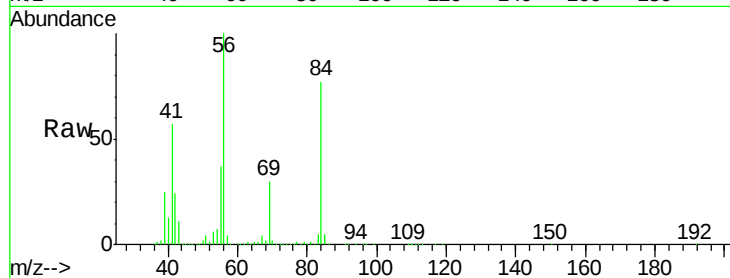
ClientSampleId :

VSTDIC100

Tot Ion:	56	Resp:	445094
Ion	Ratio	Lower	Upper
56	100		
69	29.6	23.2	34.8
84	76.5	60.7	91.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 99.297 ug/l

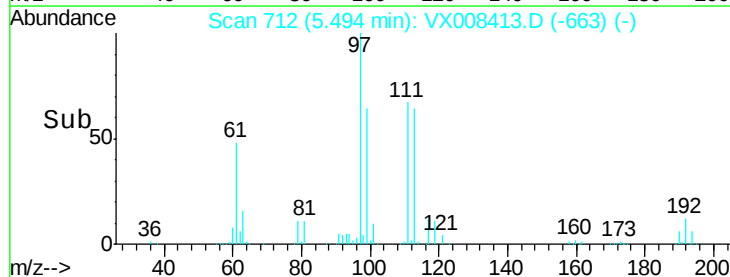
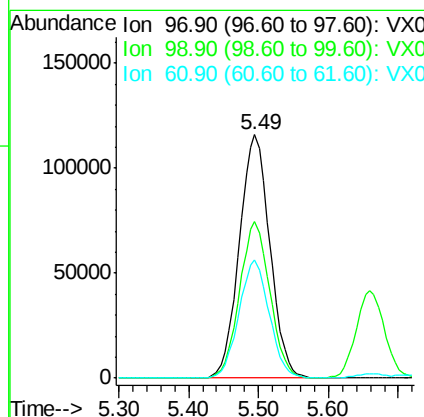
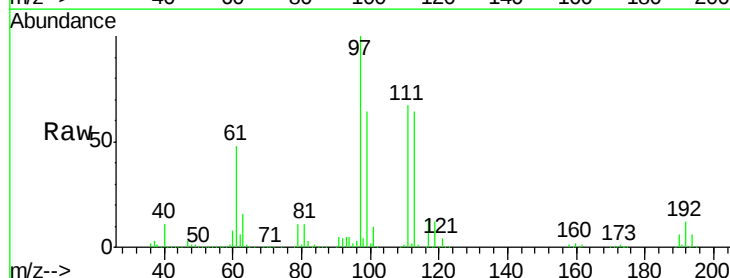
RT: 5.49 min Scan# 712

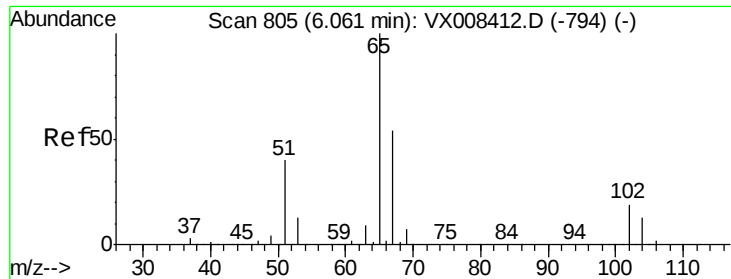
Delta R.T. 0.00 min

Lab File: VX008413.D

Acq: 25 Mar 2019 15:17

Tgt Ion:	97	Resp:	351955
Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.5	77.3
61	48.2	38.8	58.2





#33

1,2-Dichloroethane-d4

Concen: 95.293 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX008413.D

Acq: 25 Mar 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 65 Resp: 286875

Ion Ratio Lower Upper

65 100

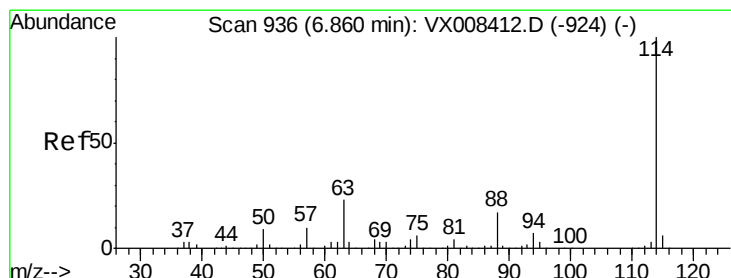
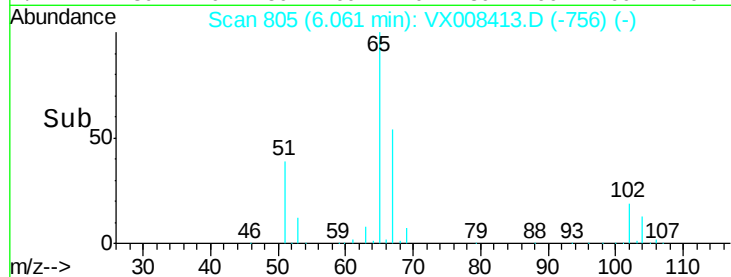
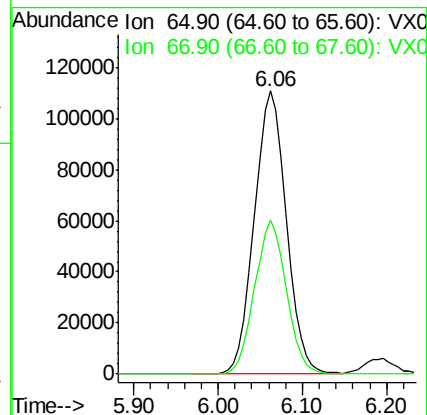
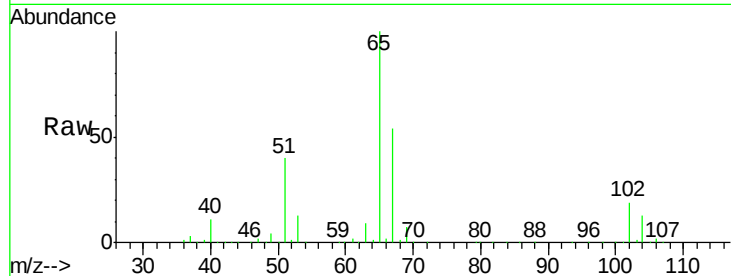
67 54.0 0.0 109.4

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX008413.D

Acq: 25 Mar 2019 15:17

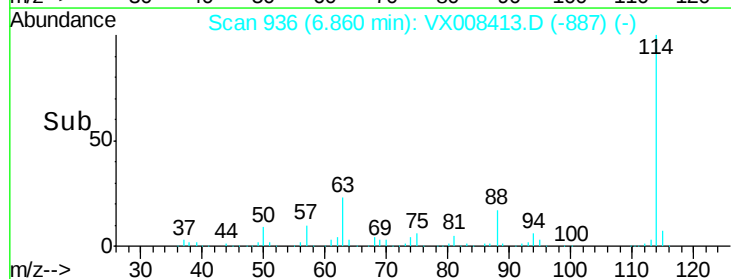
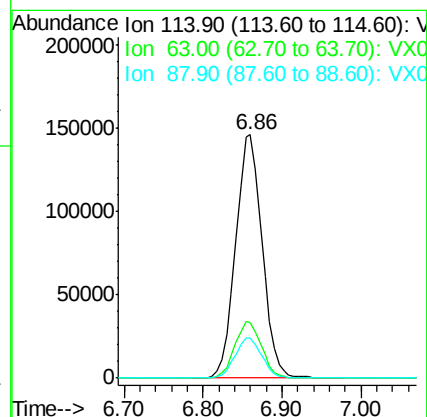
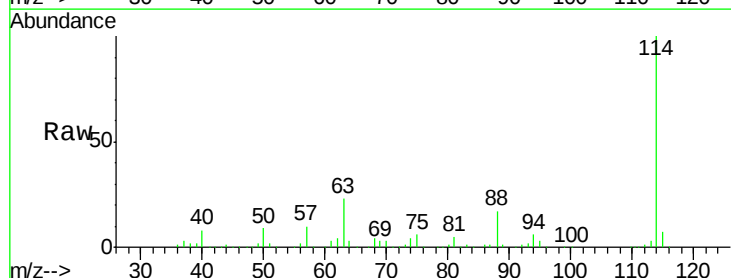
Tgt Ion: 114 Resp: 341198

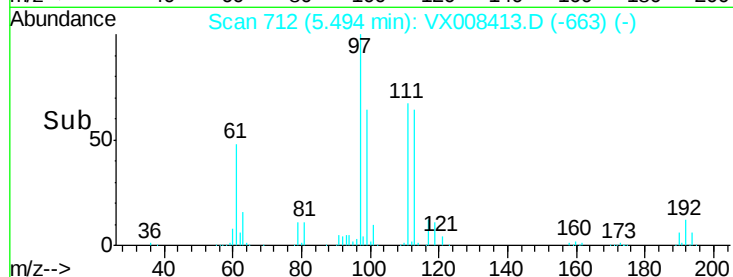
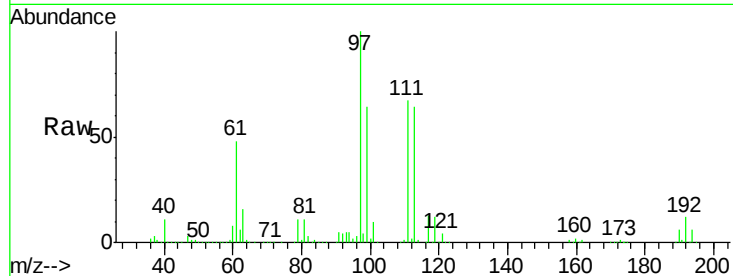
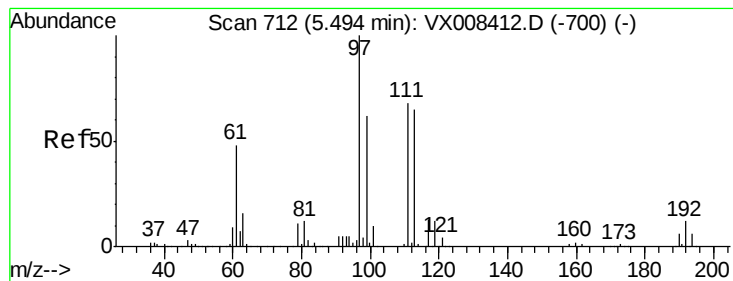
Ion Ratio Lower Upper

114 100

63 22.7 0.0 46.4

88 16.6 0.0 33.2





#35

Dibromofluoromethane

Concen: 97.325 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX008413.D

Acq: 25 Mar 2019 15:17

Tot Ion:	113	Resp:	214742
Ion Ratio	Lower	Upper	
113	100		
111	103.1	83.0	124.4
192	19.4	15.6	23.4

Instrument :

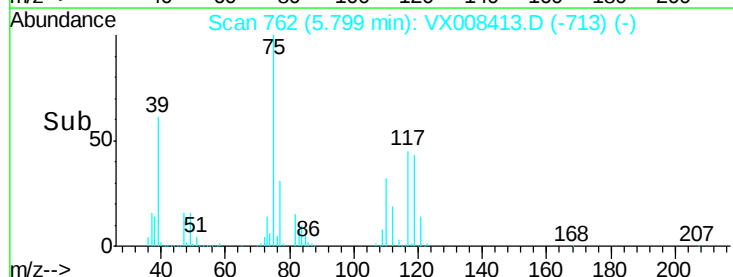
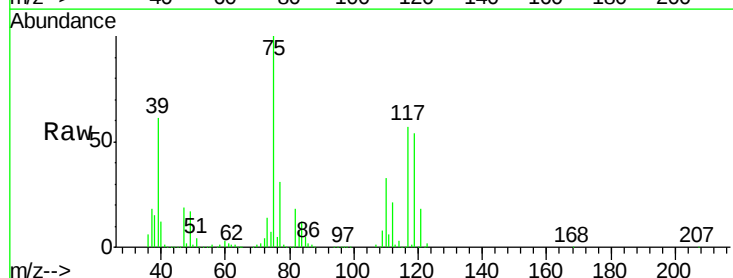
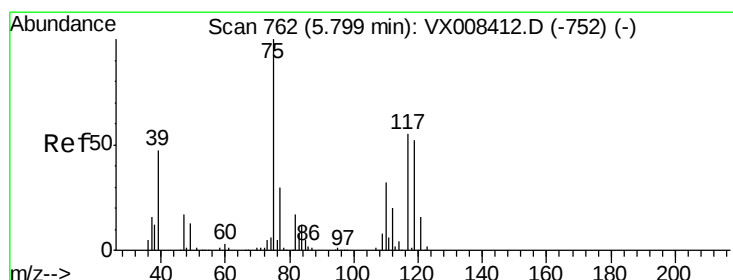
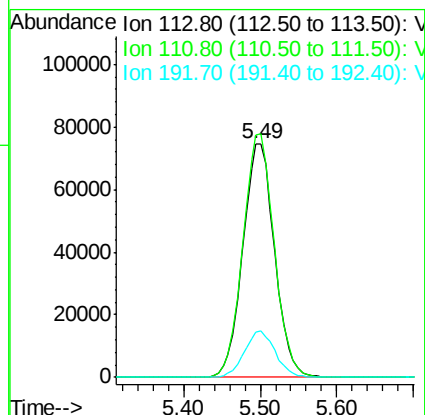
MSVOA_X

ClientSampleId :

VSTDIC100

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 97.098 ug/l

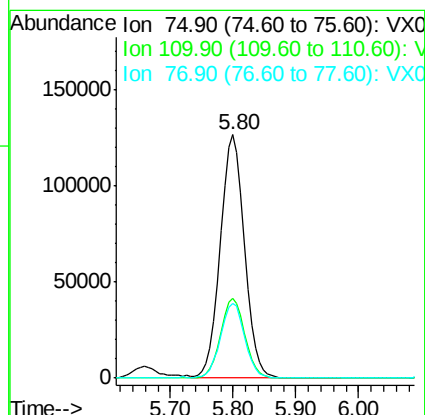
RT: 5.80 min Scan# 762

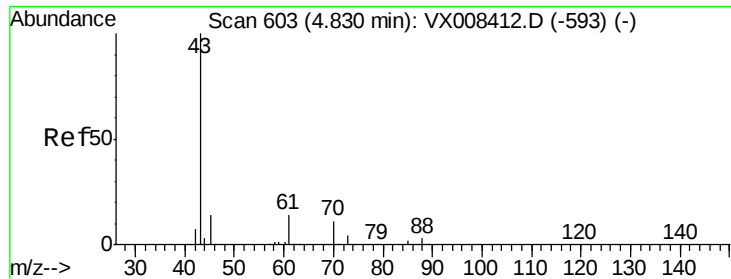
Delta R.T. 0.00 min

Lab File: VX008413.D

Acq: 25 Mar 2019 15:17

Tgt Ion:	75	Resp:	338001
Ion Ratio	Lower	Upper	
75	100		
110	32.9	16.6	49.7
77	30.7	24.2	36.2





#37

Ethyl Acetate

Concen: 95.790 ug/l

RT: 4.84 min Scan# 604

Delta R.T. 0.01 min

Lab File: VX008413.D

Acq: 25 Mar 2019 15:17

Instrument :

MSVOA_X

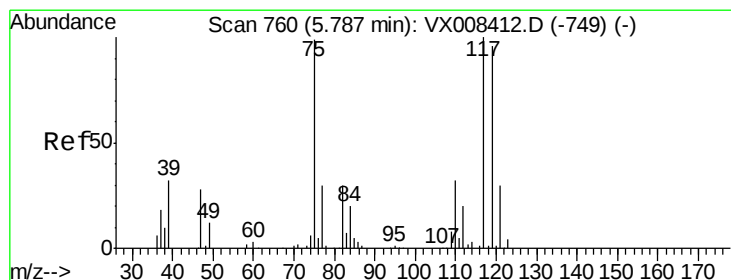
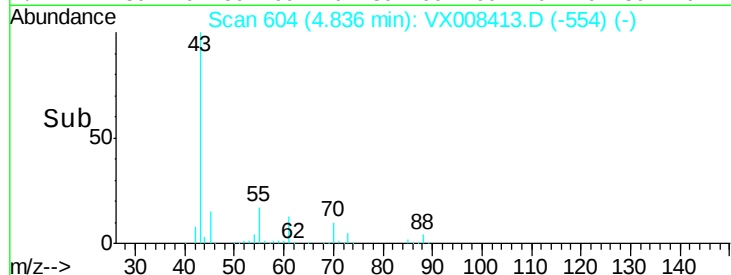
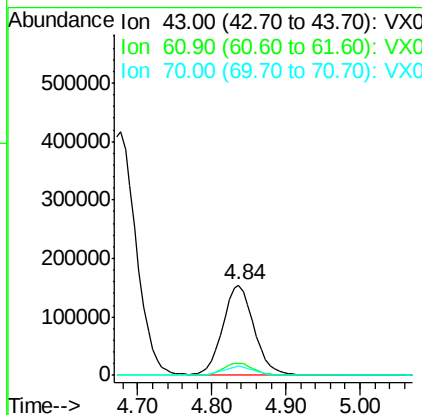
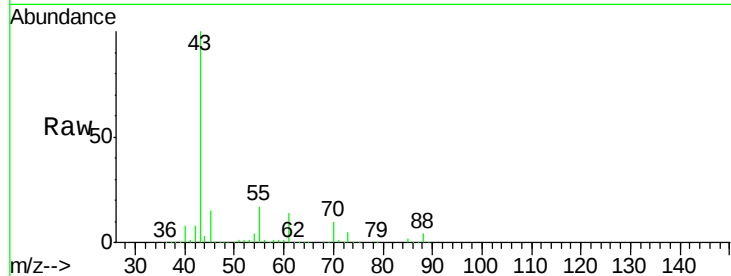
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	449400
Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.5	15.7
70	9.9	7.8	11.8

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 98.125 ug/l

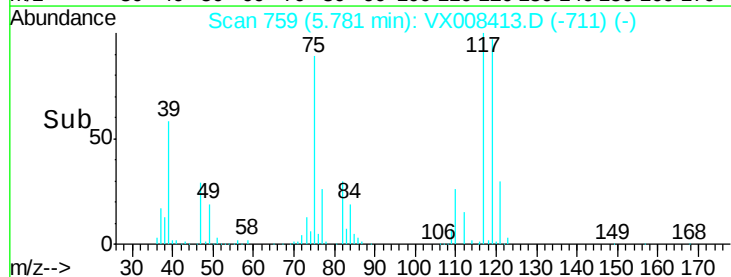
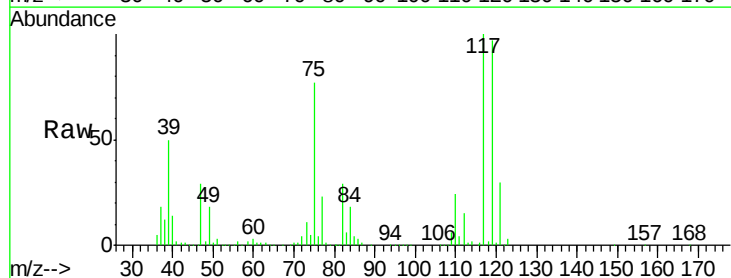
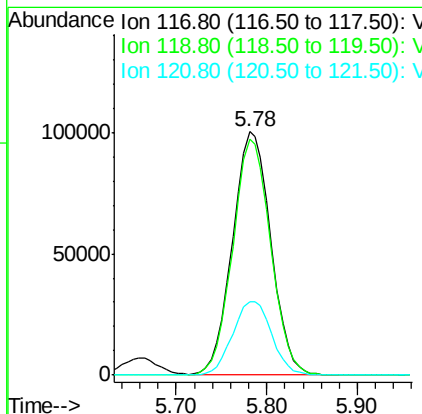
RT: 5.78 min Scan# 759

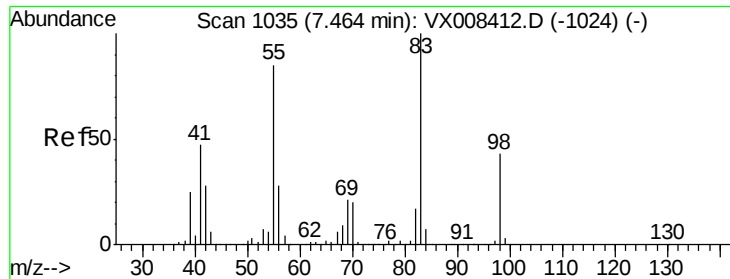
Delta R.T. -0.01 min

Lab File: VX008413.D

Acq: 25 Mar 2019 15:17

Tgt Ion:	117	Resp:	293538
Ion	Ratio	Lower	Upper
117	100		
119	96.8	76.7	115.1
121	29.9	24.3	36.5





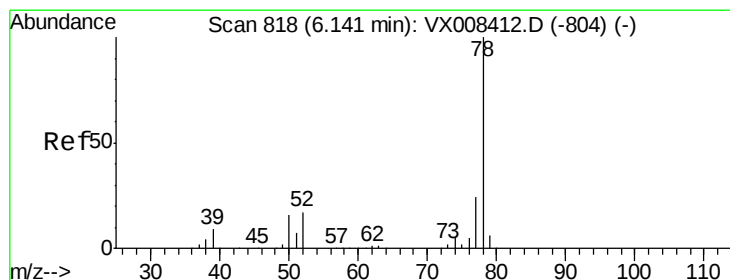
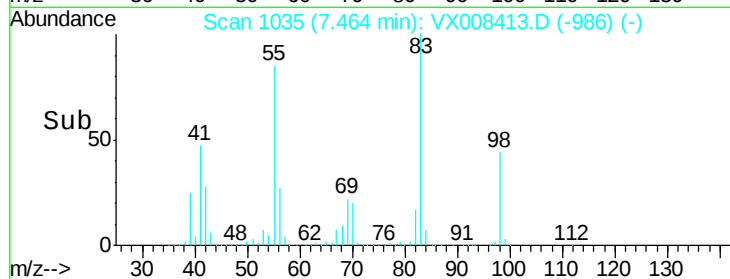
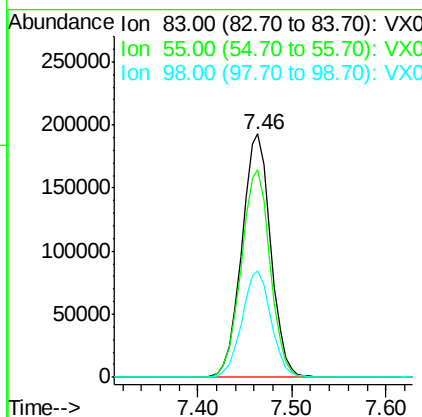
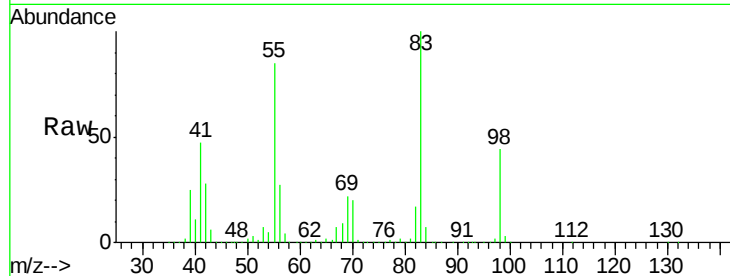
#39
Methvlcvclohexane
Concen: 97.176 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX008413.D
Acq: 25 Mar 2019 15:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	83	Resp	414954
Ion Ratio	100	Lower	Upper
83	100		
55	85.1	68.2	102.4
98	43.8	34.2	51.4

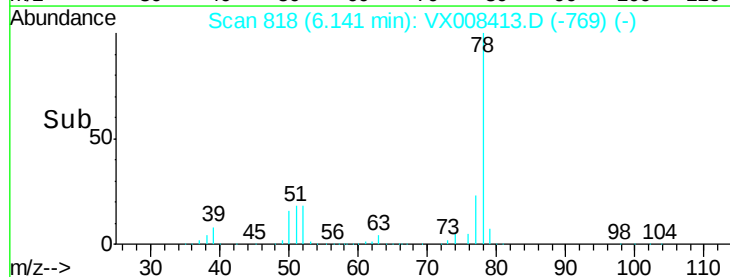
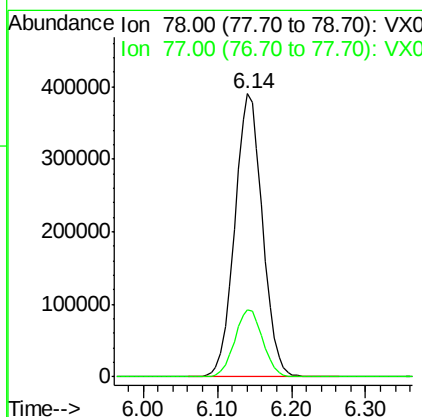
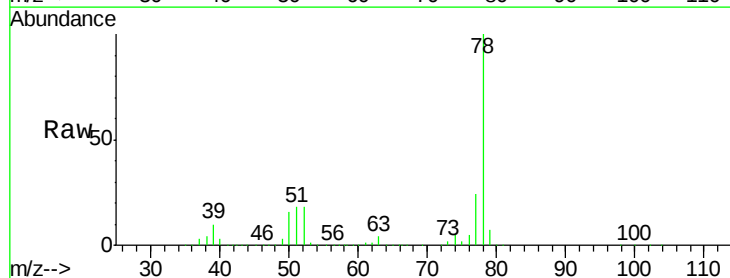
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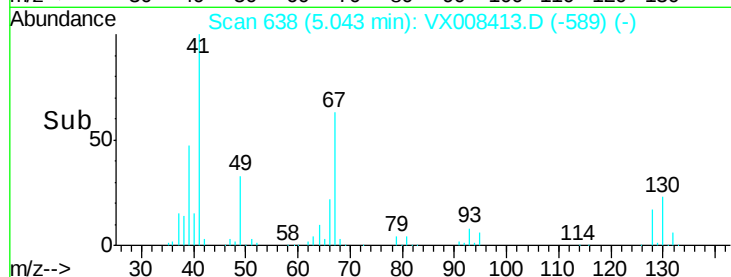
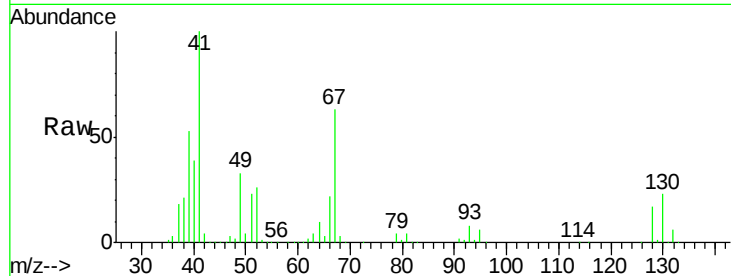
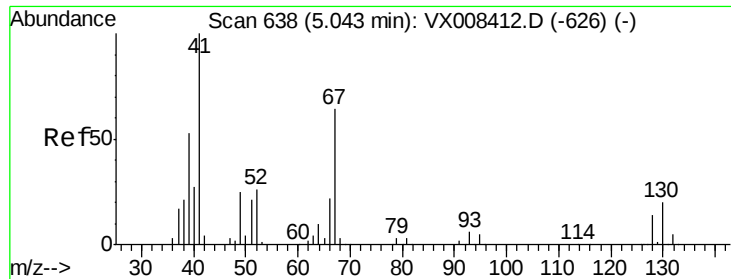
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#40
Benzene
Concen: 95.785 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX008413.D
Acq: 25 Mar 2019 15:17

Tgt Ion	78	Resp	1016681
Ion Ratio	100	Lower	Upper
78	100		
77	23.8	19.3	28.9





#41

Methacrylonitrile

Concen: 99.730 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX008413.D

Acq: 25 Mar 2019 15:17

Tot Ion	Ion	Ratio	Lower	Upper
255584	41.00 (40.70 to 41.70): VX0	100		
	39	53.2	42.6	64.0
	67	64.7	52.2	78.4
	52	26.9	21.4	32.0

Instrument :

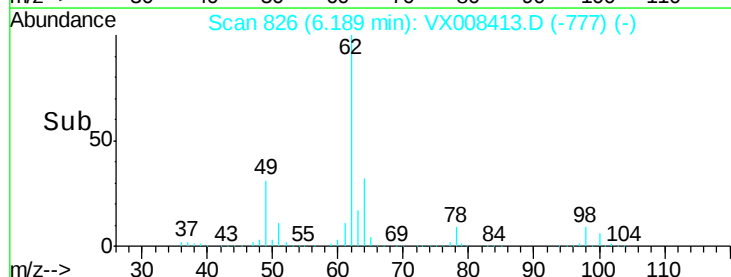
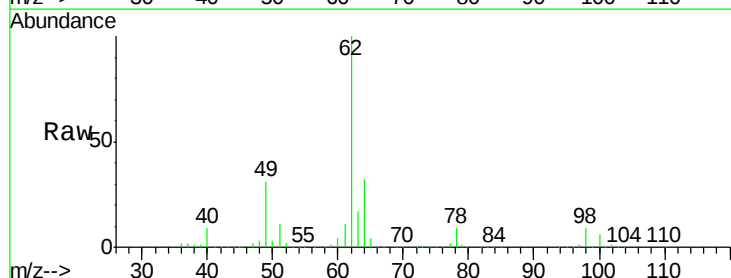
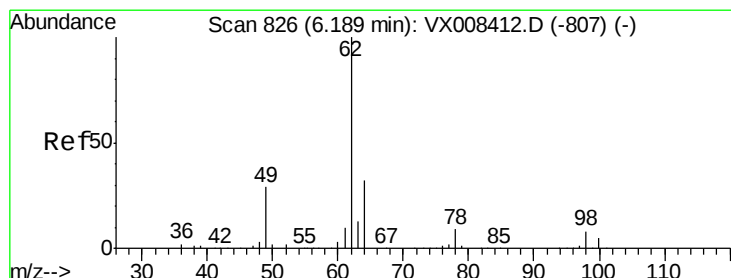
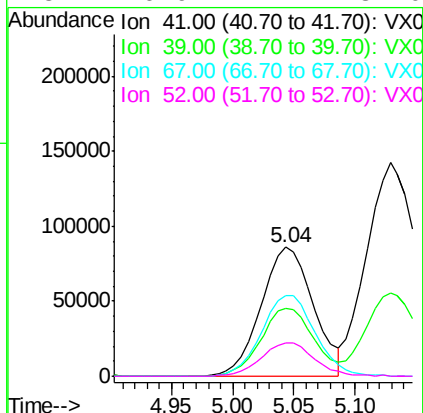
MSVOA_X

ClientSampleId :

VSTDIC100

Manual Integrations
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MMDadoda
3/26/2019 9:46:40 AM



#42

1,2-Dichloroethane

Concen: 94.123 ug/l

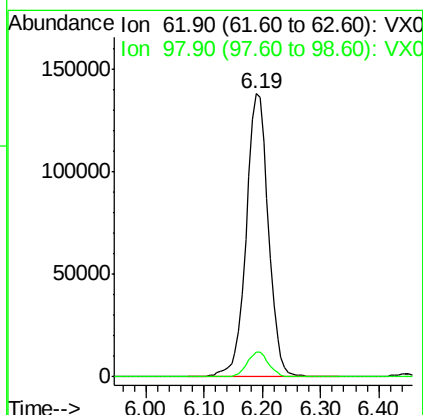
RT: 6.19 min Scan# 826

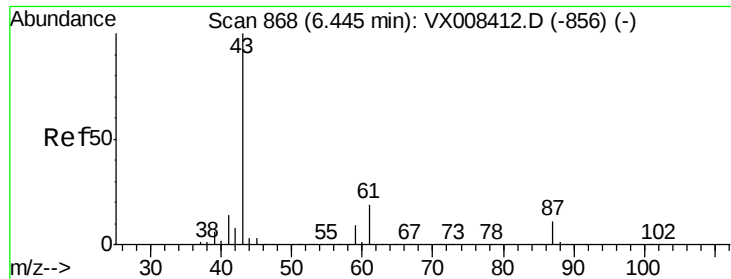
Delta R.T. 0.00 min

Lab File: VX008413.D

Acq: 25 Mar 2019 15:17

Tgt Ion	Ion	Ratio	Lower	Upper
362618	62	100		
	98	8.7	0.0	17.6





#43

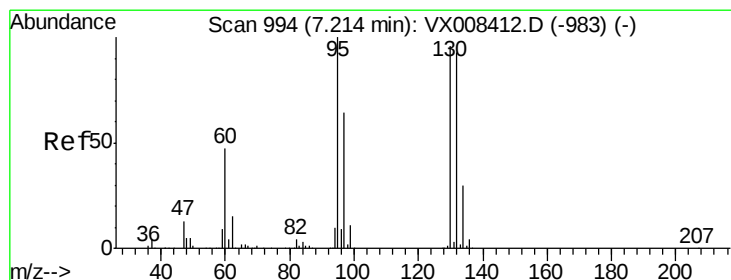
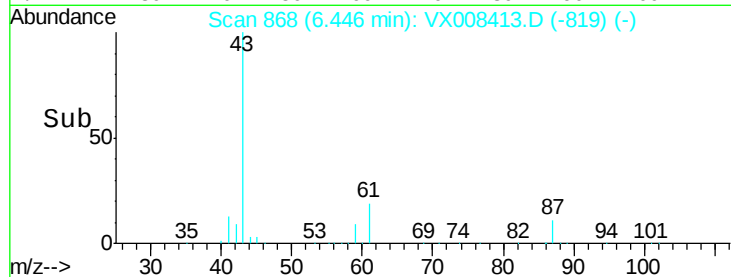
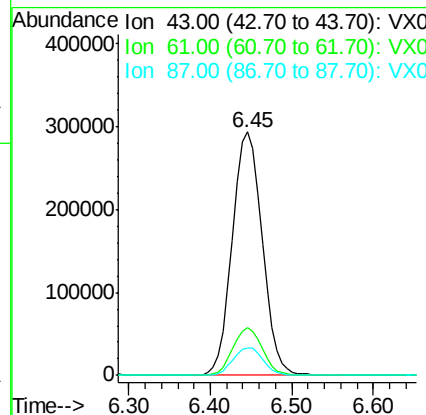
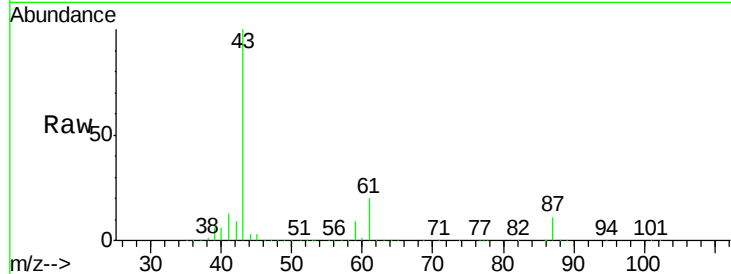
Isopropyl Acetate
 Concen: 101.418 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX008413.D
 Acq: 25 Mar 2019 15:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.4	23.2
87	11.4	9.1	13.7

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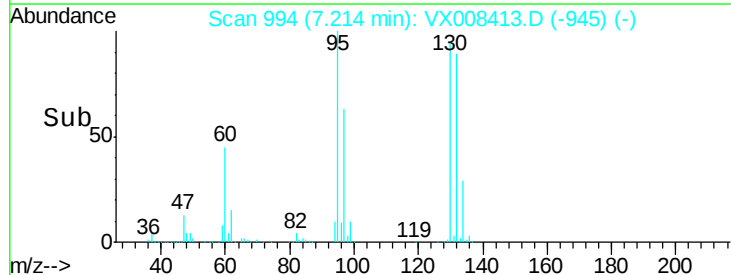
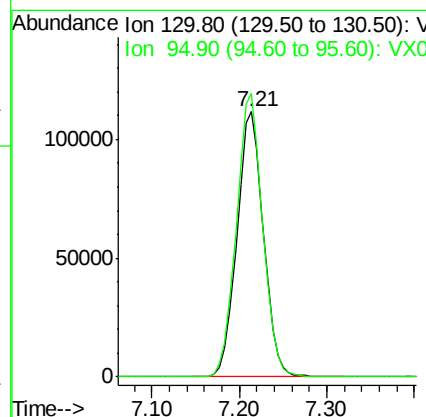
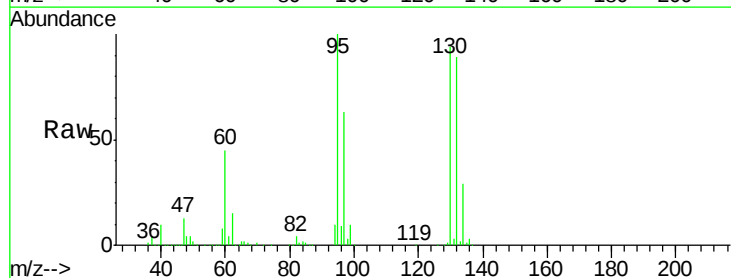
MMDadoda
 3/26/2019 9:46:40 AM

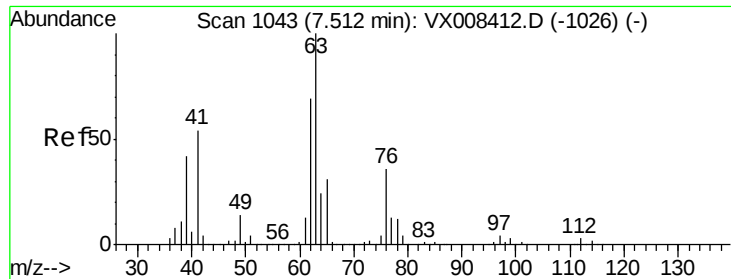


#44

Trichloroethene
 Concen: 95.456 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX008413.D
 Acq: 25 Mar 2019 15:17

Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.9	0.0	208.8





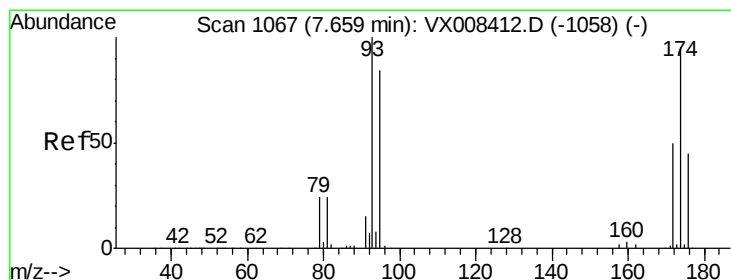
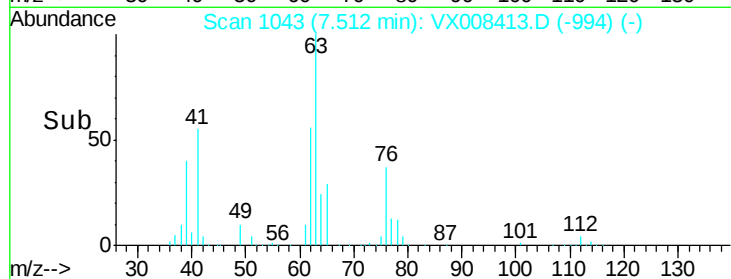
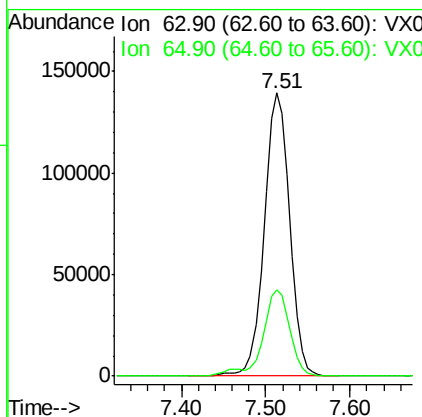
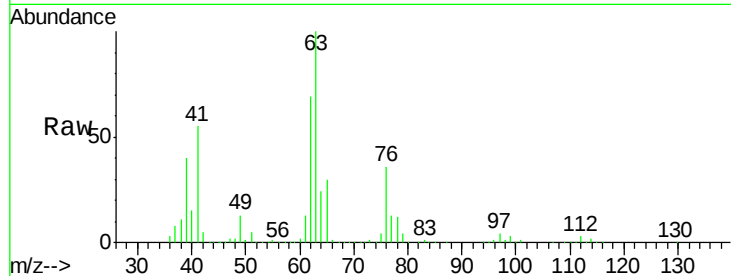
#45
 1,2-Dichloropropane
 Concen: 96.504 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX008413.D
 Acq: 25 Mar 2019 15:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion: 63 Resp: 290003
 Ion Ratio Lower Upper
 63 100
 65 30.3 25.1 37.7

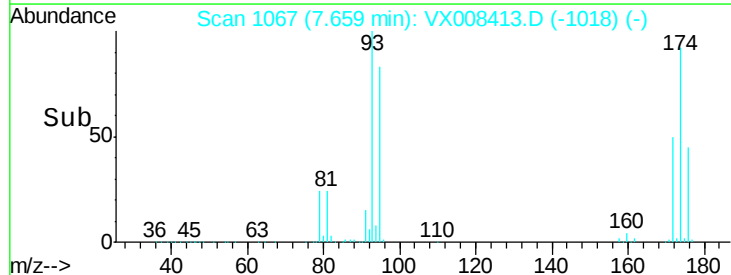
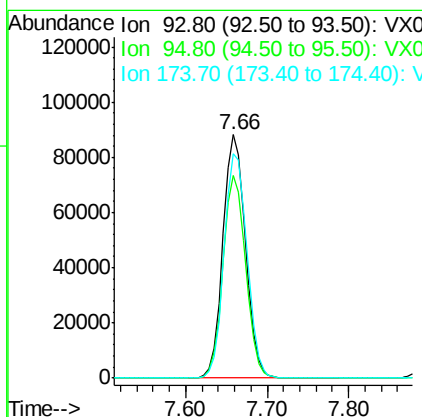
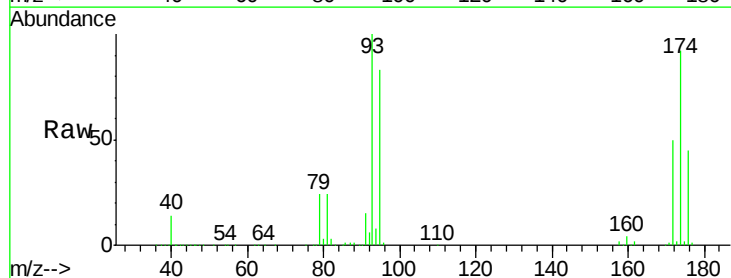
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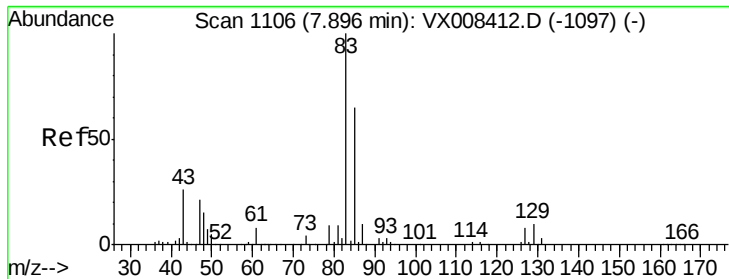
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#46
 Dibromomethane
 Concen: 94.776 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX008413.D
 Acq: 25 Mar 2019 15:17

Tgt Ion: 93 Resp: 168681
 Ion Ratio Lower Upper
 93 100
 95 83.5 67.0 100.6
 174 94.0 76.0 114.0





#47

Bromodichloromethane

Concen: 100.484 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX008413.D

Acq: 25 Mar 2019 15:17

Instrument :

MSVOA_X

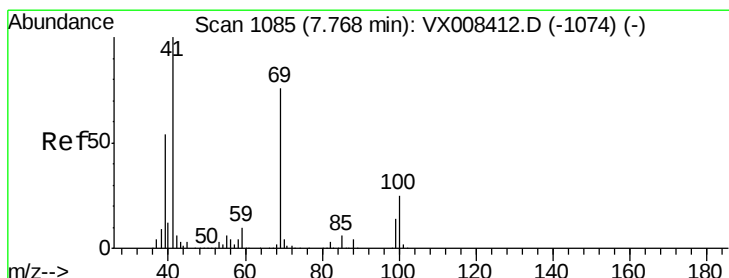
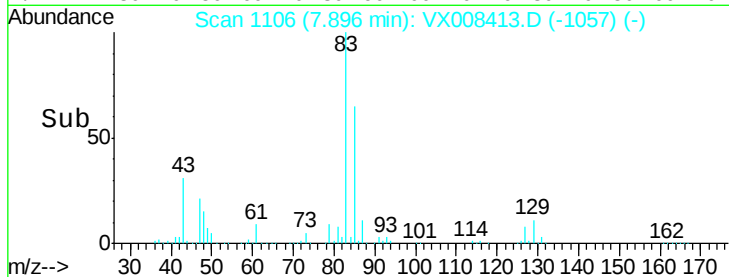
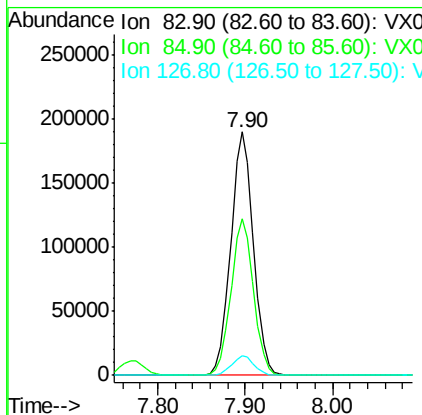
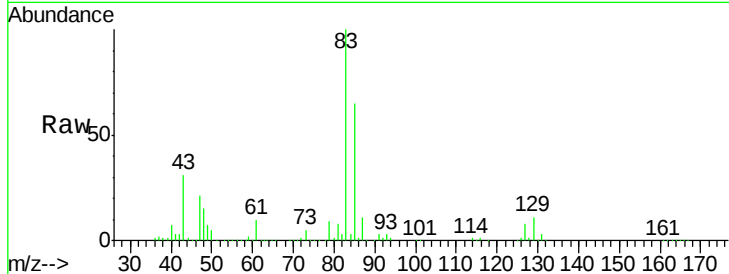
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	341717
Ion Ratio	Lower	Upper	
83	100		
85	64.5	52.0	78.0
127	8.1	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 101.551 ug/l

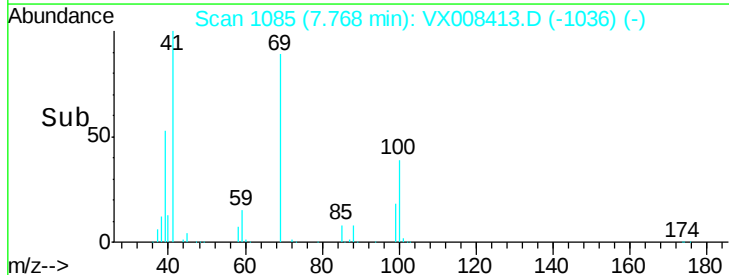
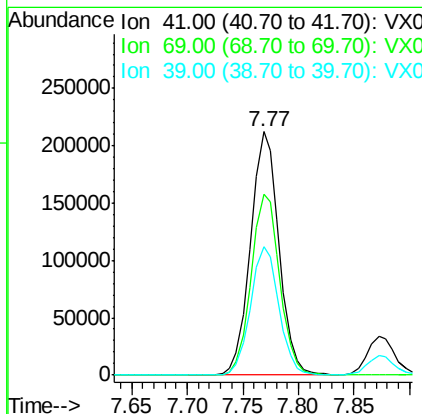
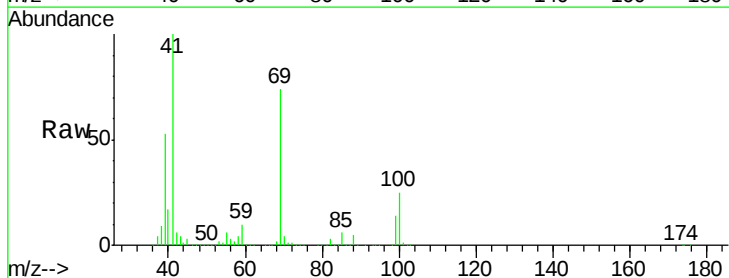
RT: 7.77 min Scan# 1085

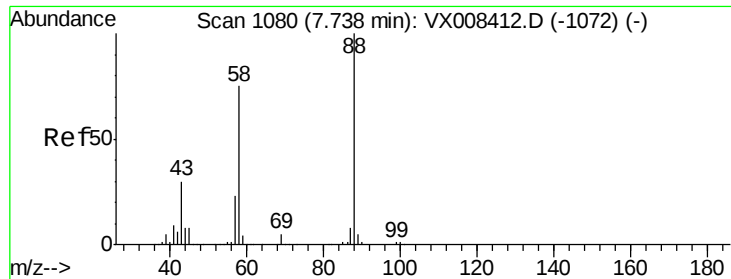
Delta R.T. 0.00 min

Lab File: VX008413.D

Acq: 25 Mar 2019 15:17

Tgt Ion:	41	Resp:	376634
Ion Ratio	Lower	Upper	
41	100		
69	75.0	60.8	91.2
39	52.8	42.3	63.5





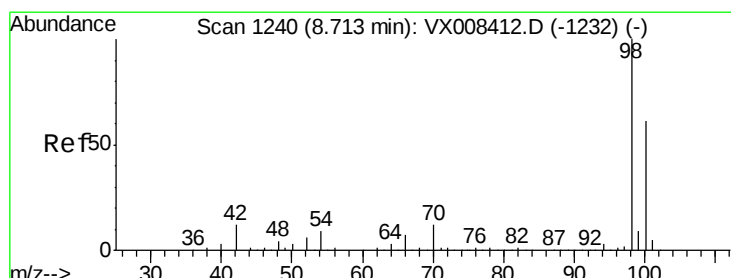
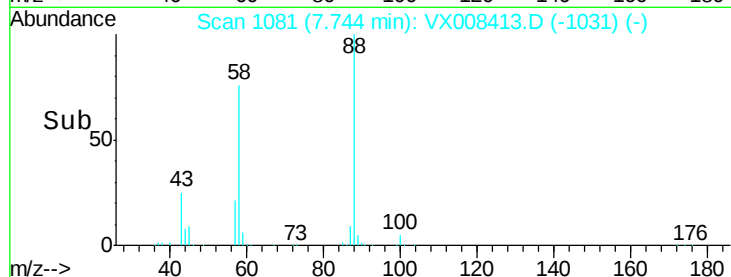
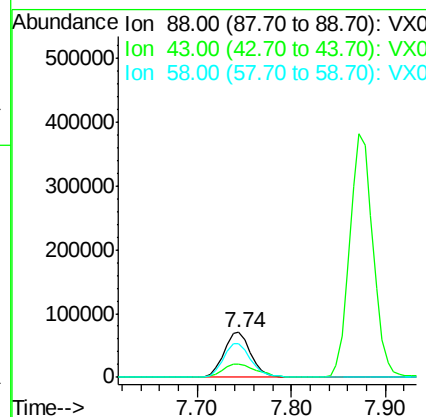
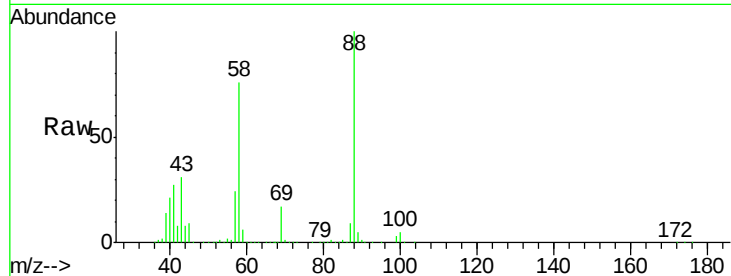
#49
1,4-Dioxane
Concen: 1864.394 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VX008413.D
Acq: 25 Mar 2019 15:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.8	28.6	43.0
58	78.3	63.0	94.4

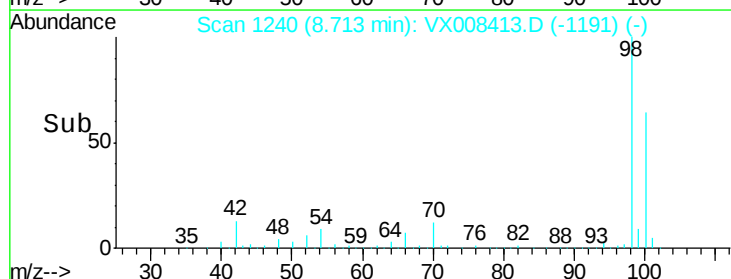
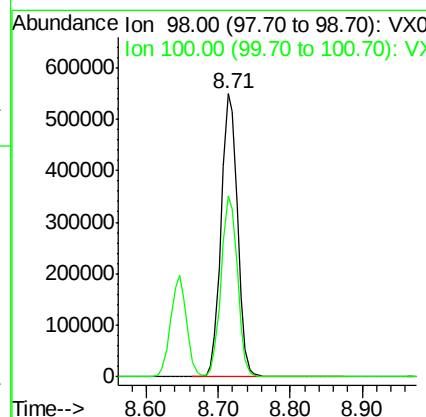
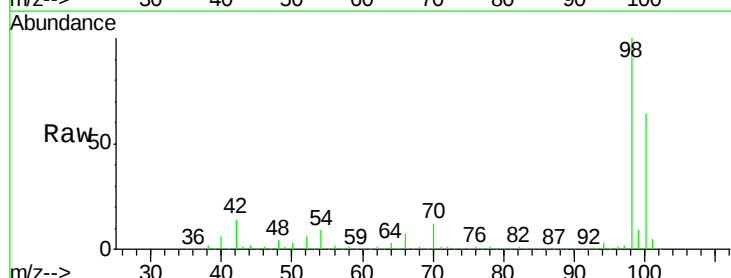
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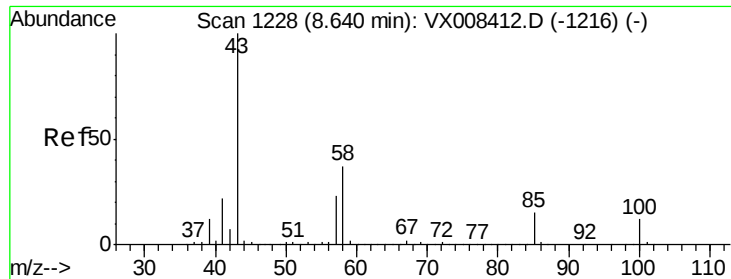
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#50
Toluene-d8
Concen: 98.081 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008413.D
Acq: 25 Mar 2019 15:17

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 503.492 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.01 min

Lab File: VX008413.D

Acq: 25 Mar 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 2429822

Ion Ratio Lower Upper

43 100

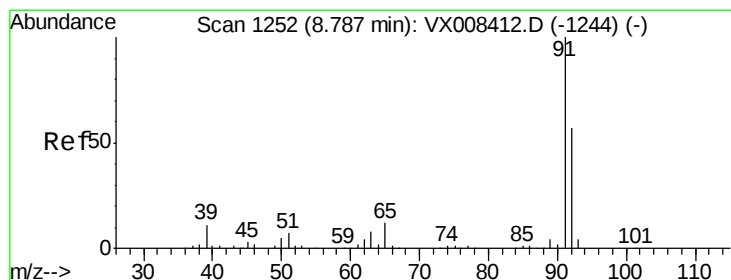
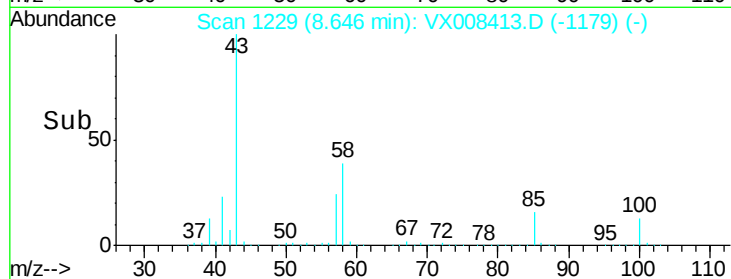
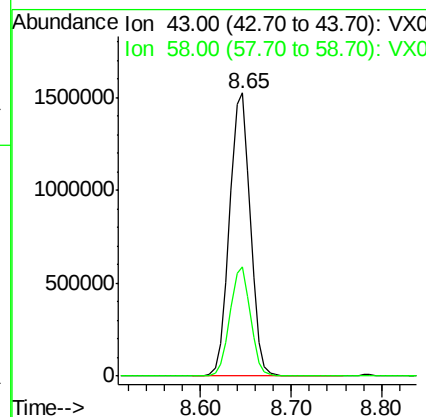
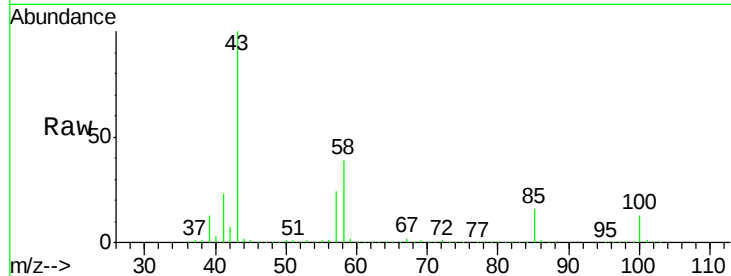
58 37.8 29.8 44.8

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#52

Toluene

Concen: 98.459 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX008413.D

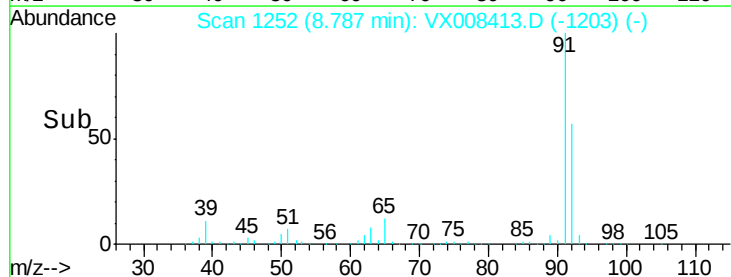
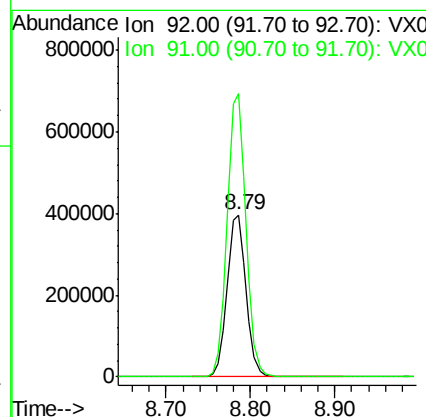
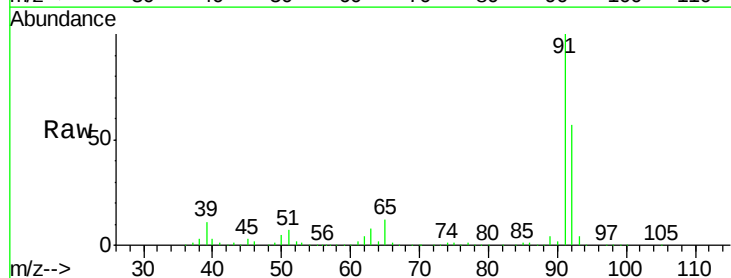
Acq: 25 Mar 2019 15:17

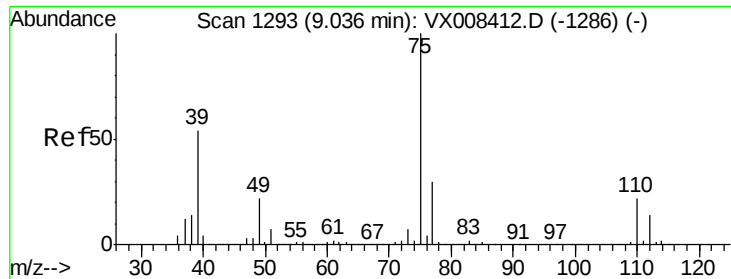
Tgt Ion: 92 Resp: 614282

Ion Ratio Lower Upper

92 100

91 174.3 140.2 210.4





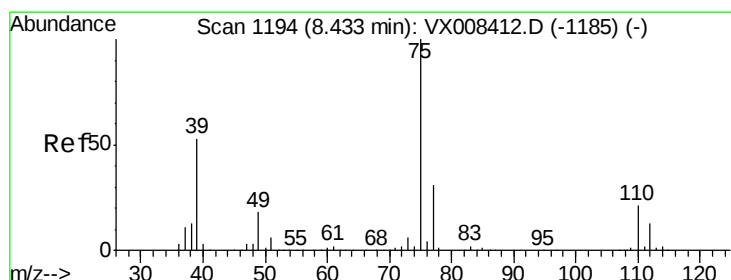
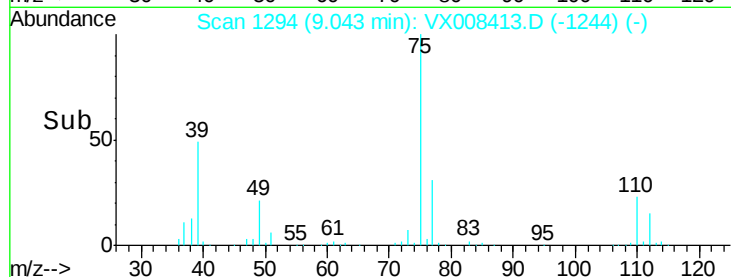
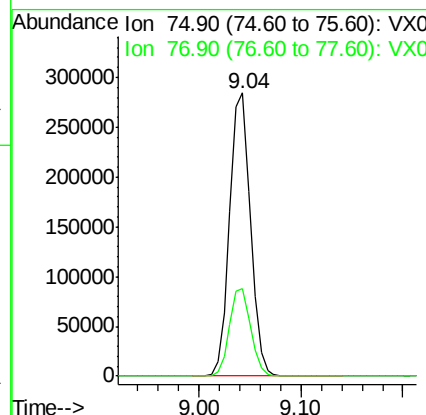
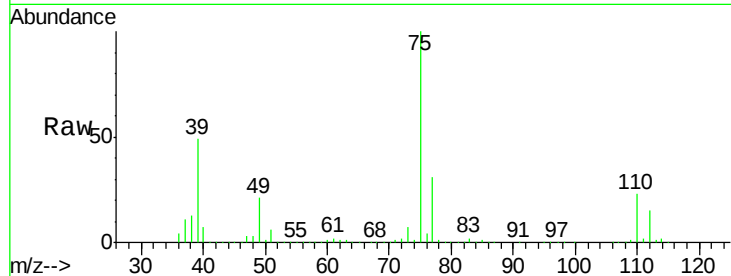
#53
t-1,3-Dichloropropene
Concen: 110.097 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.01 min
Lab File: VX008413.D
Acq: 25 Mar 2019 15:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 75 Resp: 403379
Ion Ratio Lower Upper
75 100
77 31.0 24.3 36.5

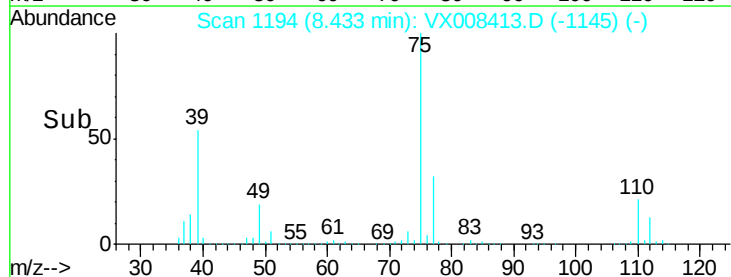
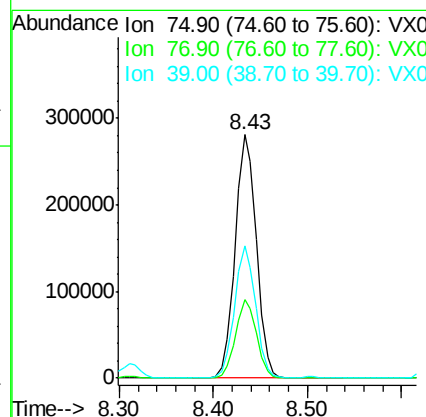
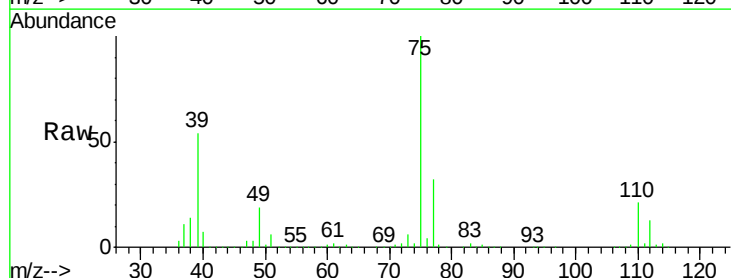
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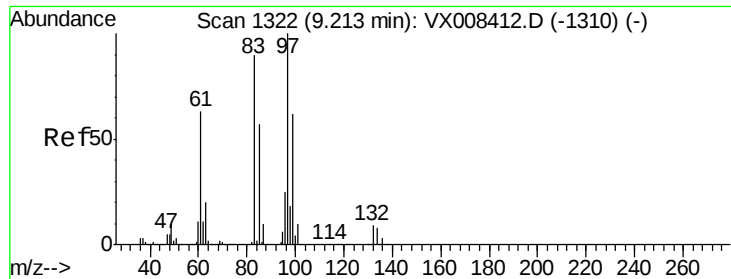
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#54
cis-1,3-Dichloropropene
Concen: 105.767 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX008413.D
Acq: 25 Mar 2019 15:17

Tgt Ion: 75 Resp: 437827
Ion Ratio Lower Upper
75 100
77 32.0 24.7 37.1
39 54.0 42.4 63.6





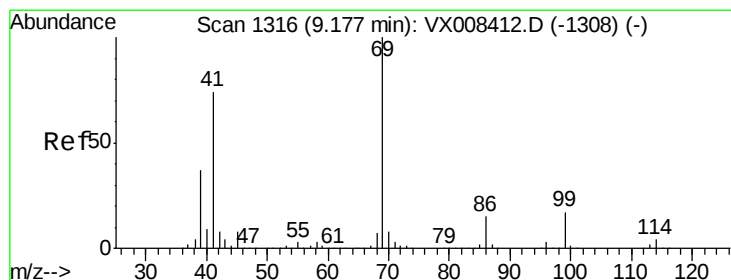
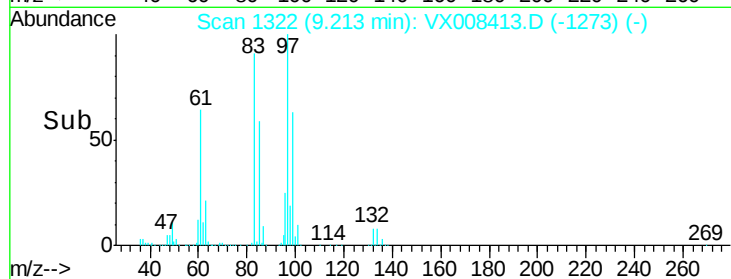
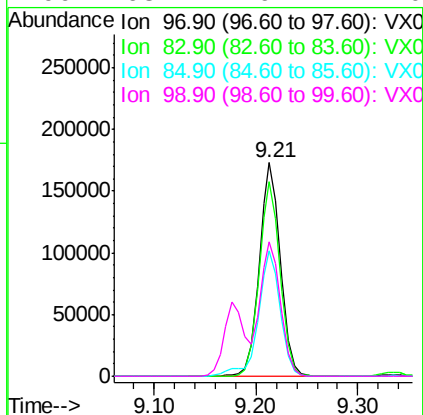
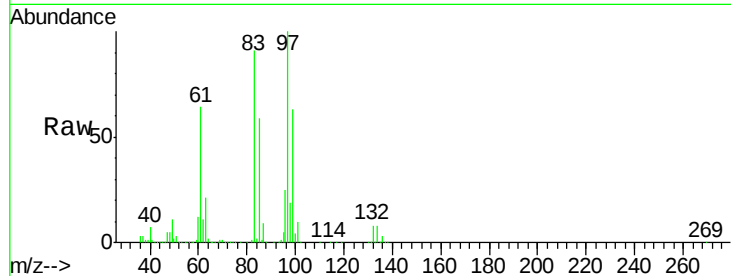
#55
 1,1,2-Trichloroethane
 Concen: 96.574 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX008413.D
 Acq: 25 Mar 2019 15:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	250244
Ion	Ratio	Lower	Upper
97	100		
83	91.3	71.8	107.6
85	58.9	45.9	68.9
99	63.2	49.4	74.0

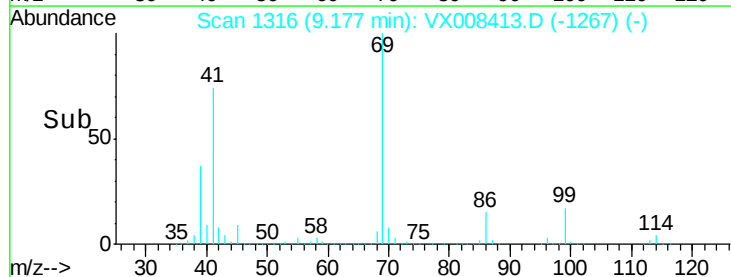
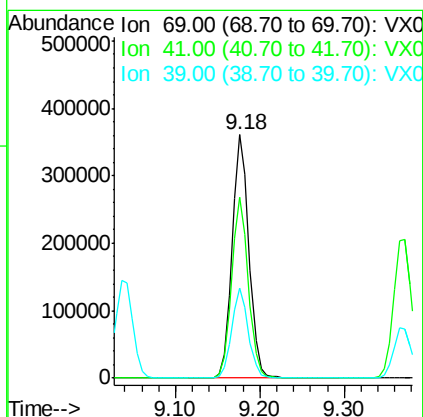
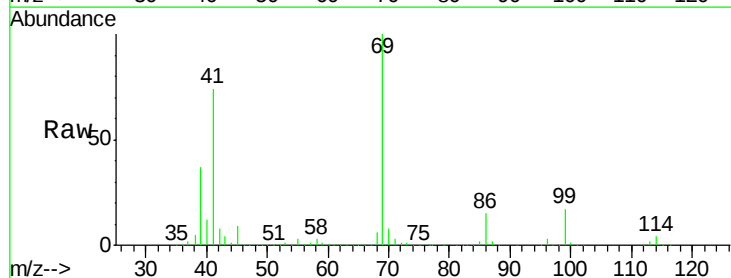
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#56
 Ethyl methacrylate
 Concen: 106.461 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX008413.D
 Acq: 25 Mar 2019 15:17

Tgt Ion:	69	Resp:	489069
Ion	Ratio	Lower	Upper
69	100		
41	74.0	59.5	89.3
39	36.5	29.3	43.9





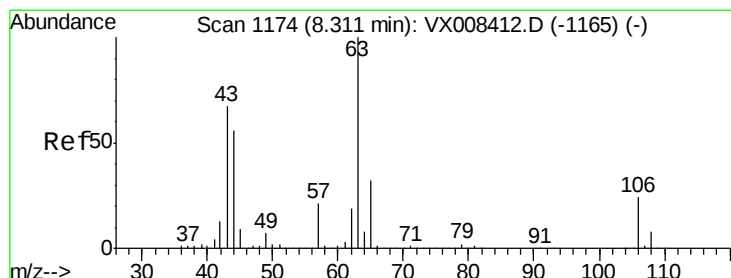
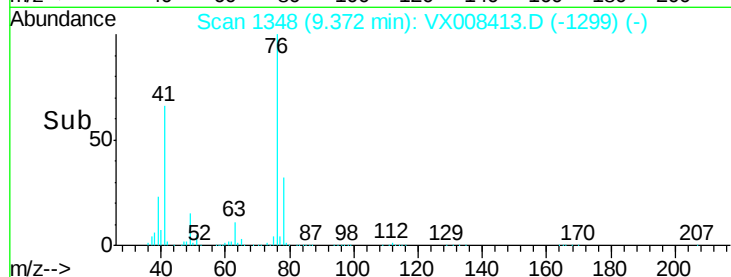
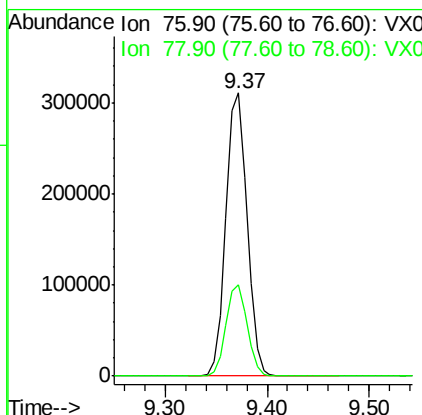
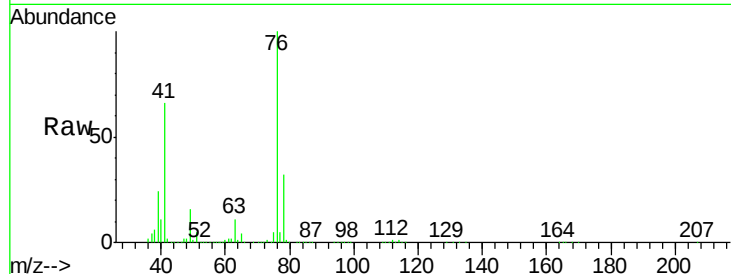
#57
 1,3-Dichloropropane
 Concen: 97.020 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX008413.D
 Acq: 25 Mar 2019 15:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion: 76 Resp: 447016
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.8 38.8

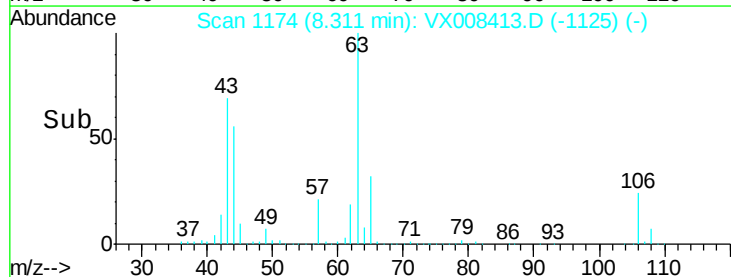
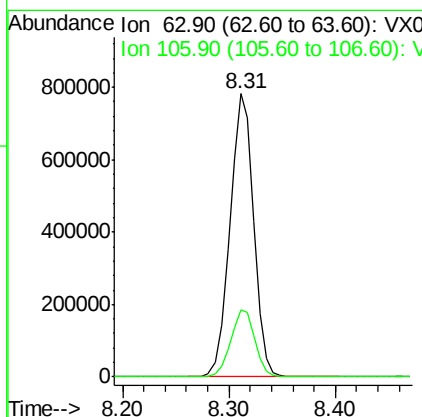
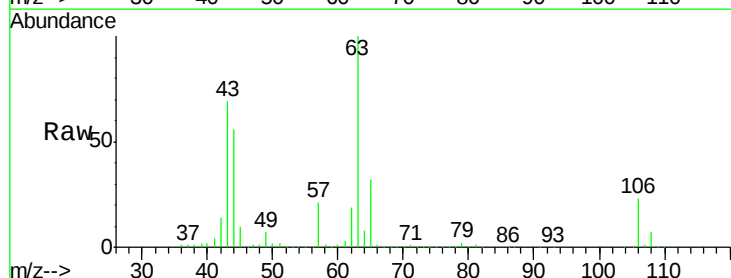
Manual Integrations
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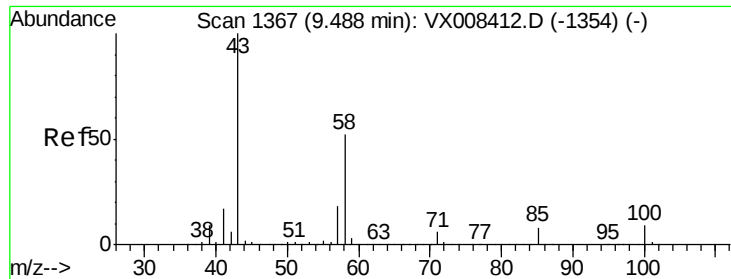
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#58
 2-Chloroethyl Vinyl ether
 Concen: 494.818 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX008413.D
 Acq: 25 Mar 2019 15:17

Tgt Ion: 63 Resp: 1214408
 Ion Ratio Lower Upper
 63 100
 106 24.1 19.0 28.6





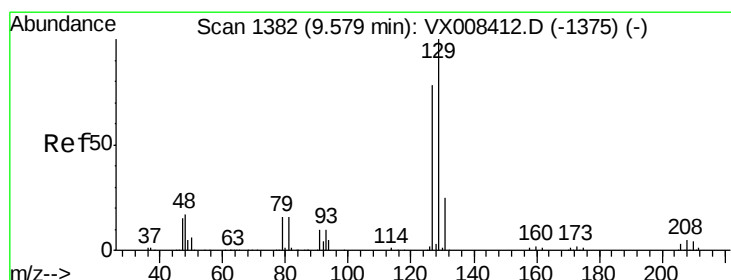
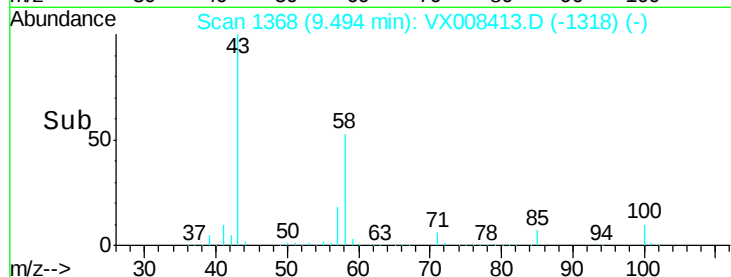
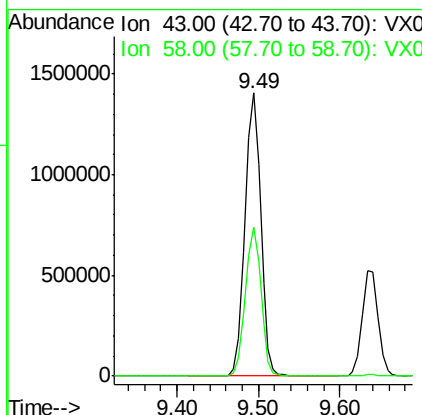
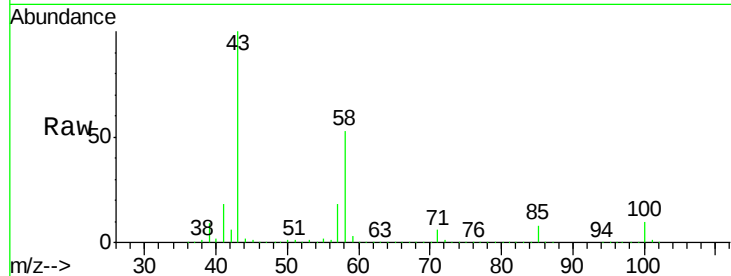
#59
2-Hexanone
Concen: 505.150 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VX008413.D
Acq: 25 Mar 2019 15:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1880904
Ion Ratio Lower Upper
43 100
58 52.4 26.3 78.9

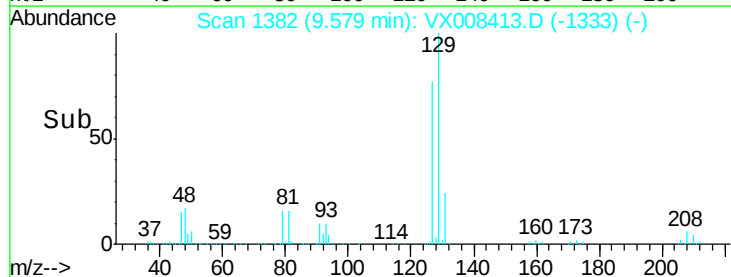
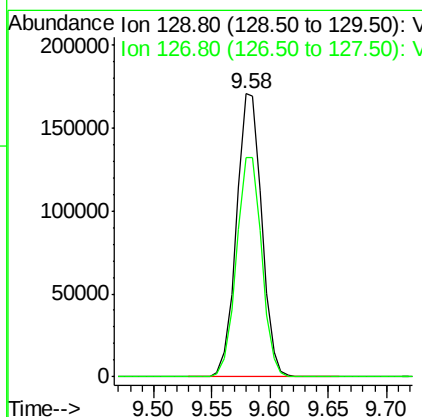
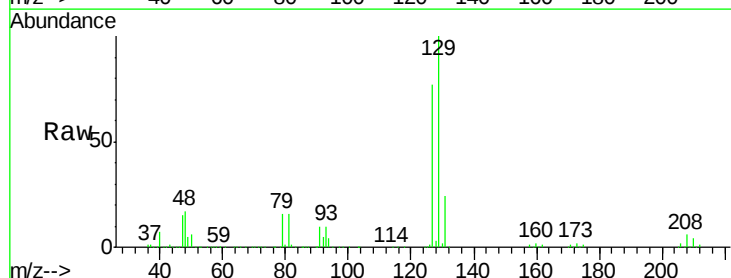
Manual Integrations
APPROVED

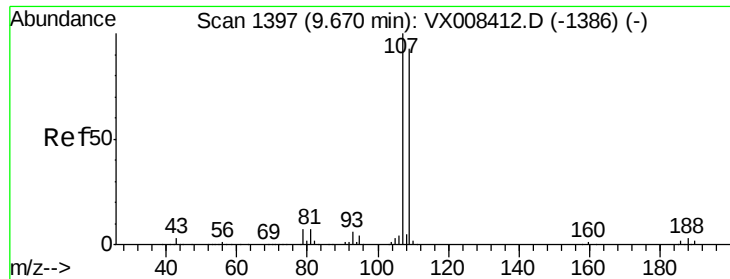
MMDadoda
3/26/2019 9:46:40 AM



#60
Dibromochloromethane
Concen: 106.945 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX008413.D
Acq: 25 Mar 2019 15:17

Tgt Ion: 129 Resp: 257508
Ion Ratio Lower Upper
129 100
127 77.8 38.1 114.3





#61

1,2-Dibromoethane

Concen: 99.694 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX008413.D

Acq: 25 Mar 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:107 Resp: 261874

Ion Ratio Lower Upper

107 100

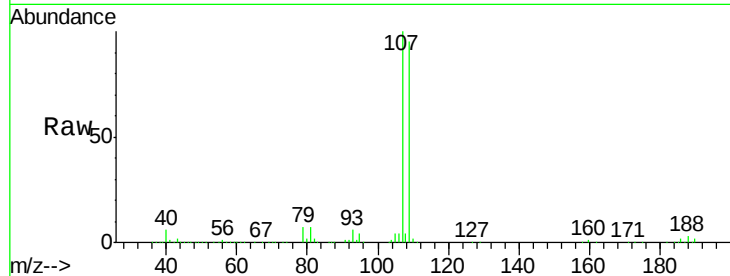
109 94.5 74.6 111.8

Manual Integrations

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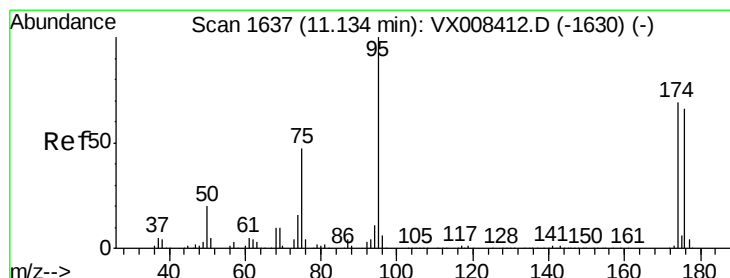
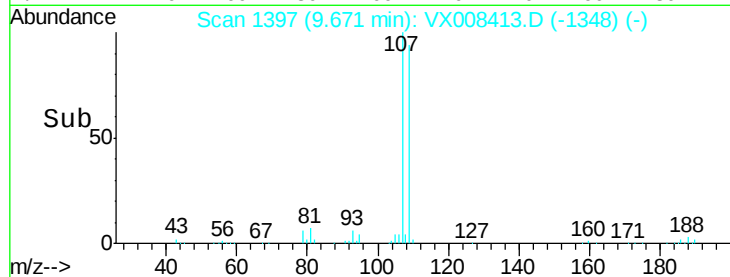
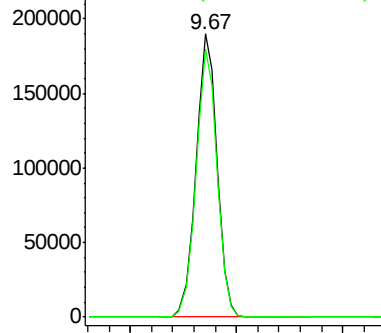
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 102.055 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008413.D

Acq: 25 Mar 2019 15:17

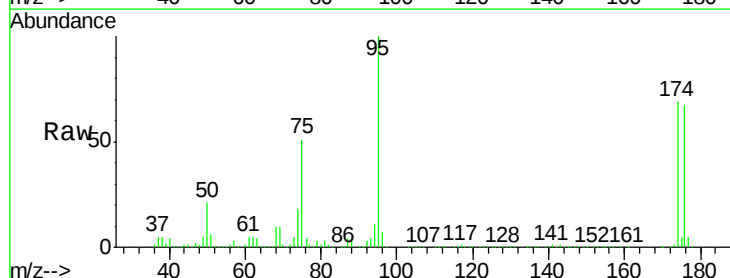
Tgt Ion: 95 Resp: 330840

Ion Ratio Lower Upper

95 100

174 75.0 0.0 147.2

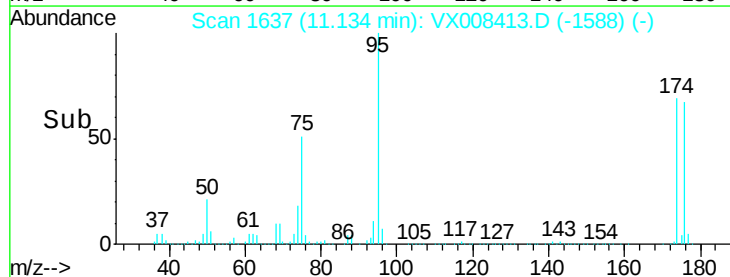
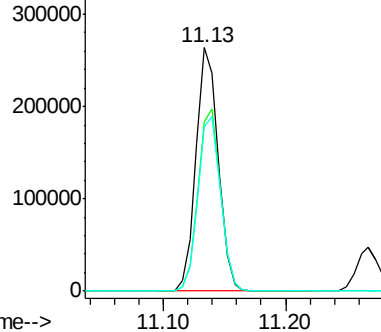
176 72.8 0.0 142.4

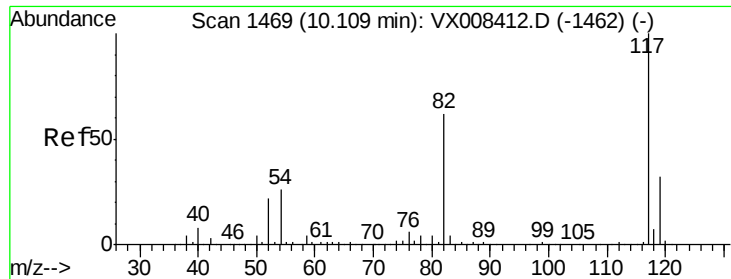


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





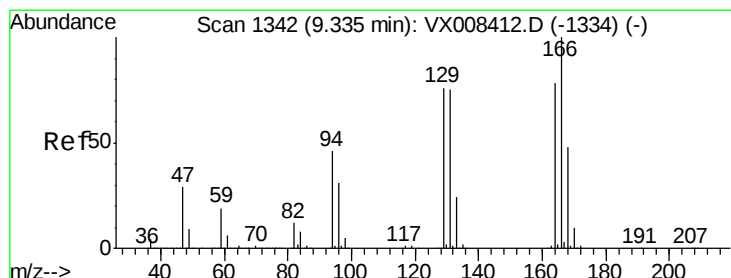
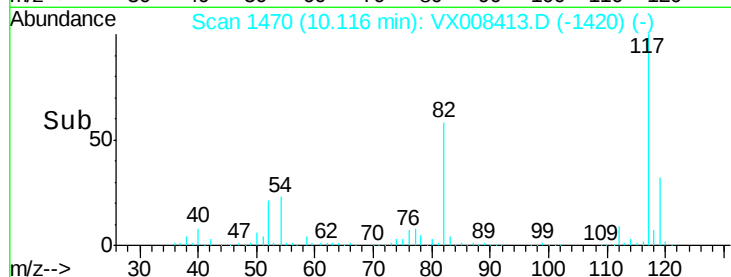
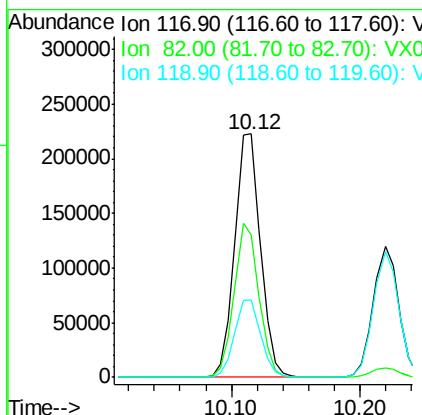
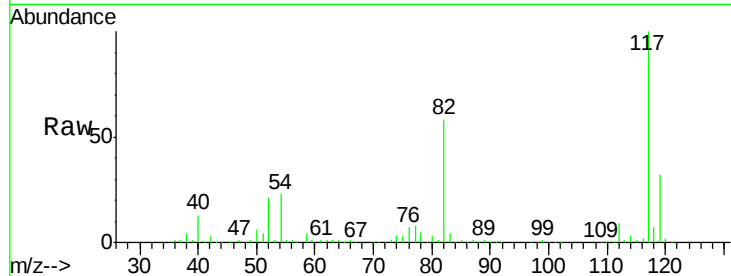
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX008413.D
Acq: 25 Mar 2019 15:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.3	49.4	74.2
119	31.8	25.4	38.0

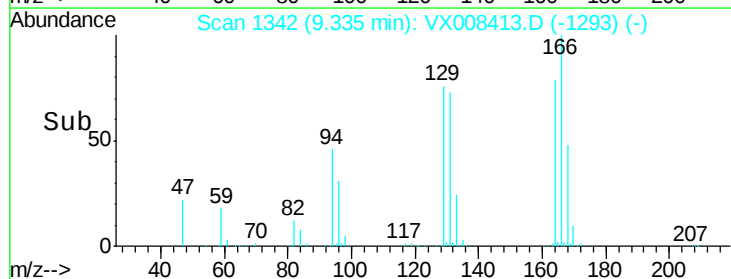
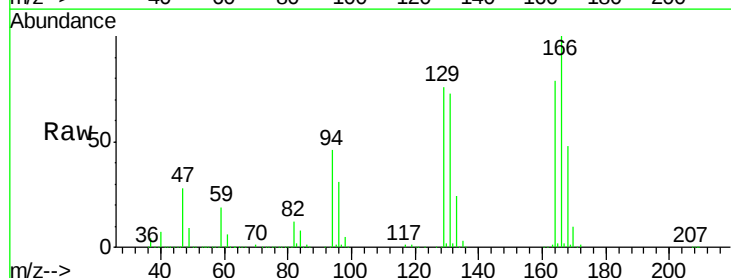
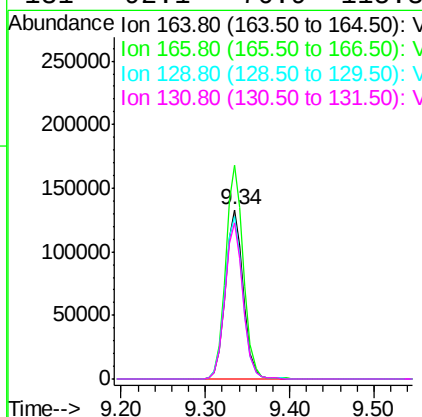
Manual Integrations
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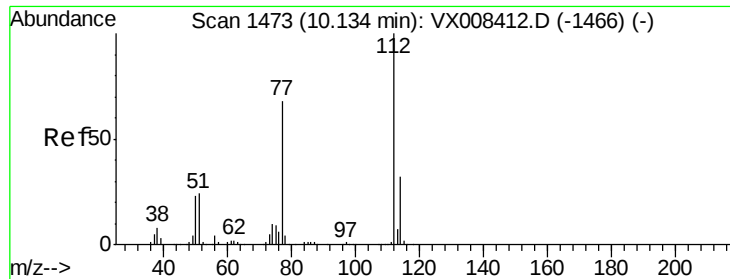
MMDadoda
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#64
Tetrachloroethene
Concen: 94.022 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX008413.D
Acq: 25 Mar 2019 15:17

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.2	102.5	153.7
129	95.9	77.8	116.8
131	92.1	76.9	115.3





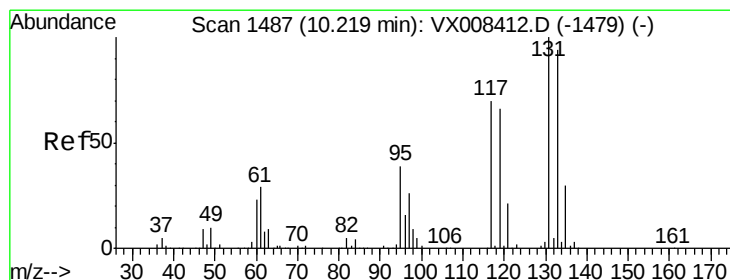
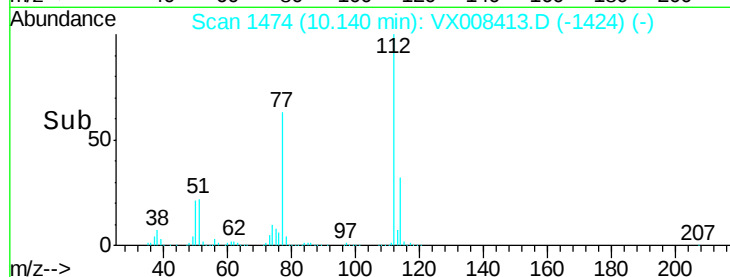
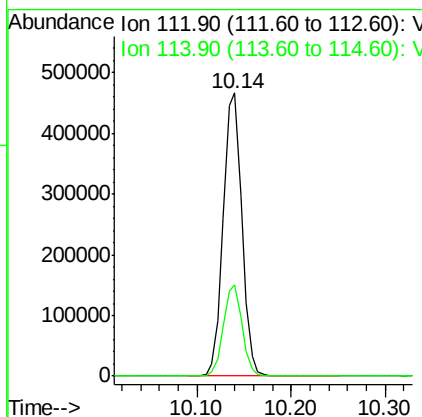
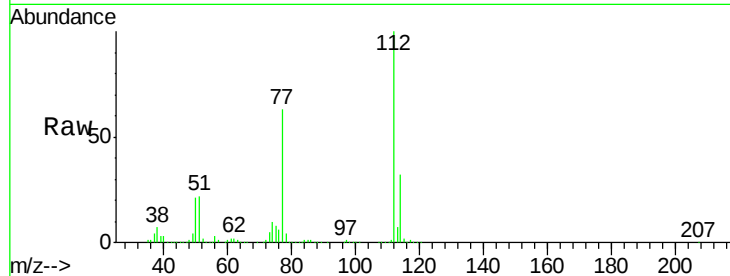
#65
Chlorobenzene
Concen: 97.879 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX008413.D
Acq: 25 Mar 2019 15:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 642002
Ion Ratio Lower Upper
112 100
114 32.1 25.4 38.2

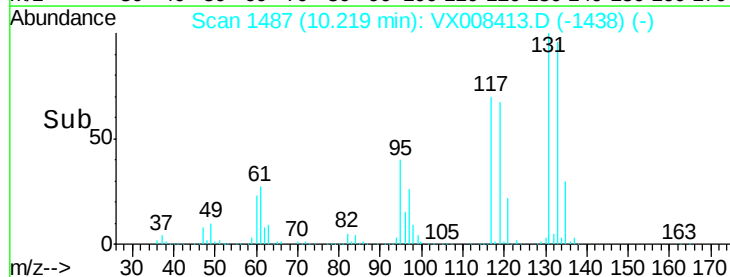
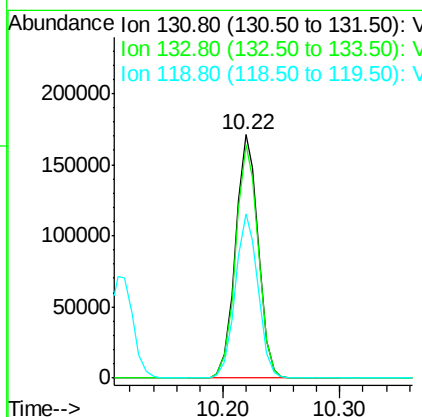
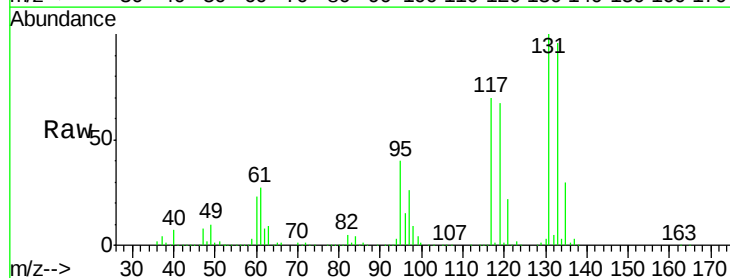
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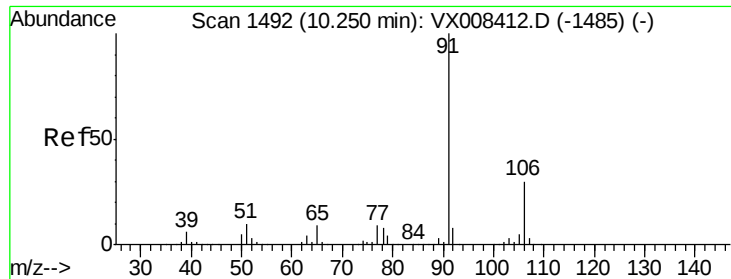
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#66
1,1,1,2-Tetrachloroethane
Concen: 101.639 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX008413.D
Acq: 25 Mar 2019 15:17

Tgt Ion:131 Resp: 231337
Ion Ratio Lower Upper
131 100
133 95.8 47.3 141.8
119 67.5 33.6 100.6





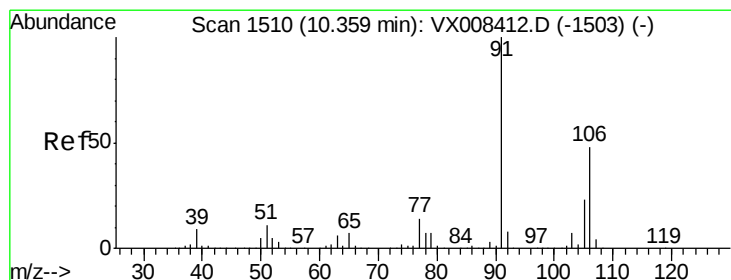
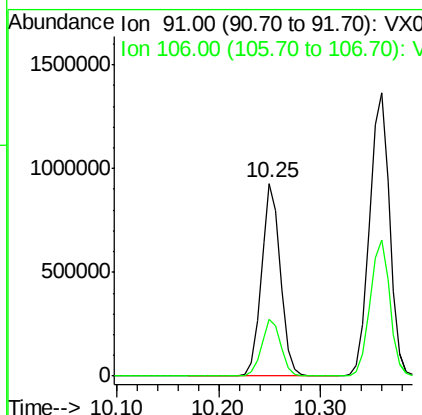
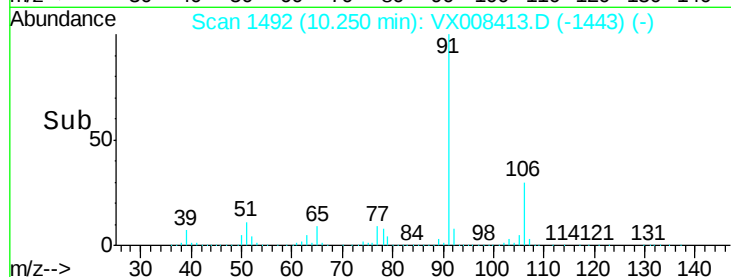
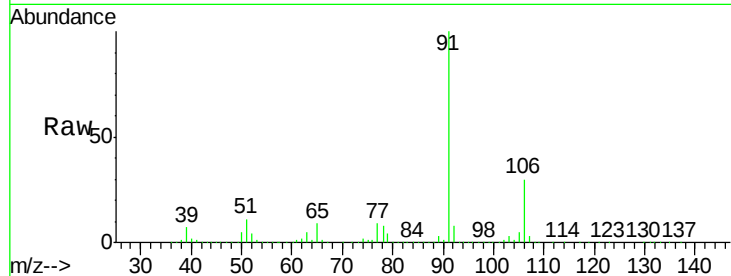
#67
Ethyl Benzene
Concen: 98.398 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX008413.D
Acq: 25 Mar 2019 15:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1210961
Ion Ratio Lower Upper
91 100
106 29.8 24.0 36.0

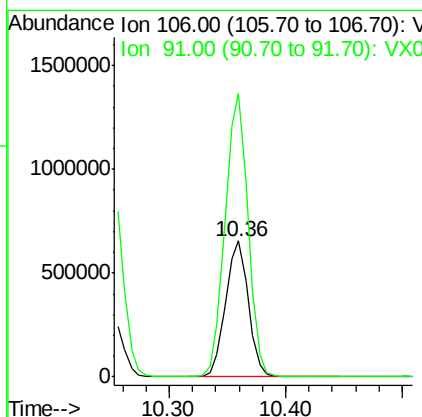
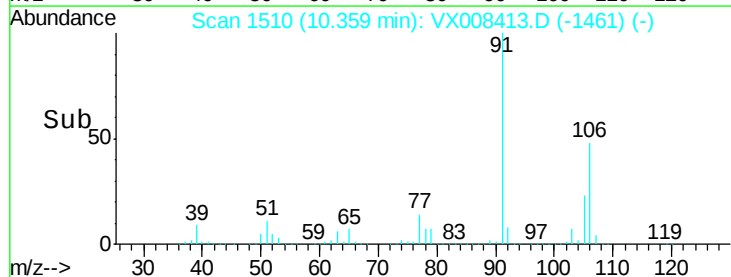
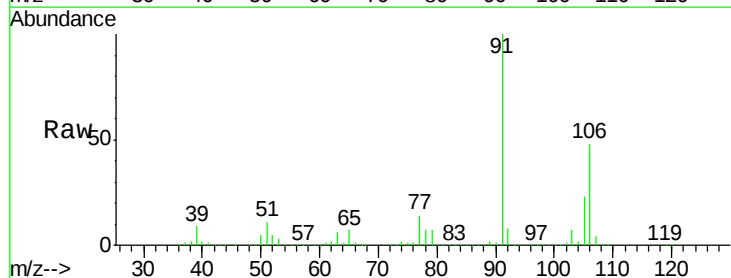
Manual Integrations
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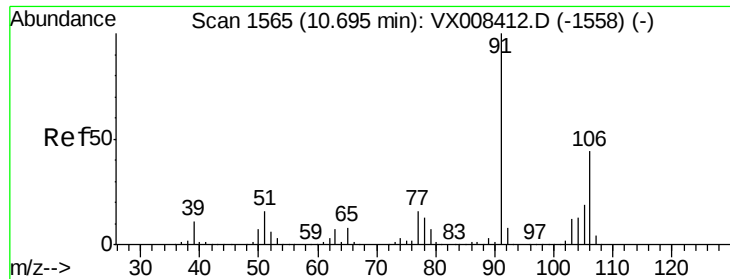
MMDadoda
3/26/2019 9:46:40 AM



#68
m/p-Xylenes
Concen: 200.424 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX008413.D
Acq: 25 Mar 2019 15:17

Tgt Ion: 106 Resp: 886184
Ion Ratio Lower Upper
106 100
91 209.8 168.6 253.0





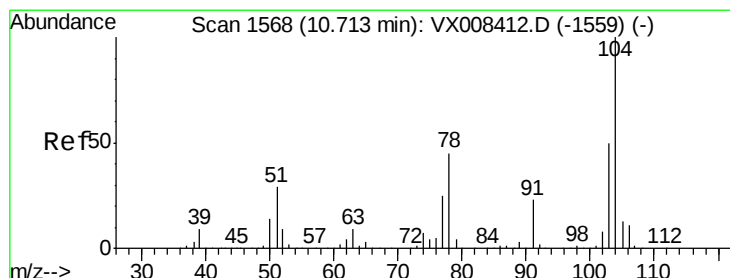
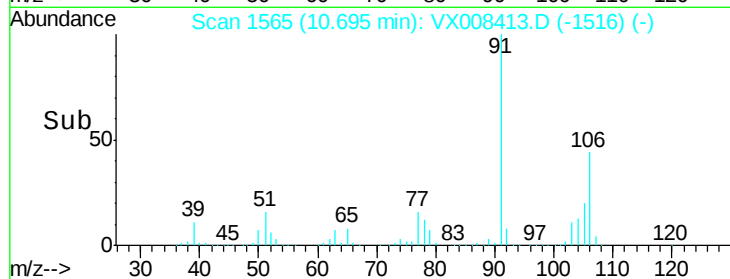
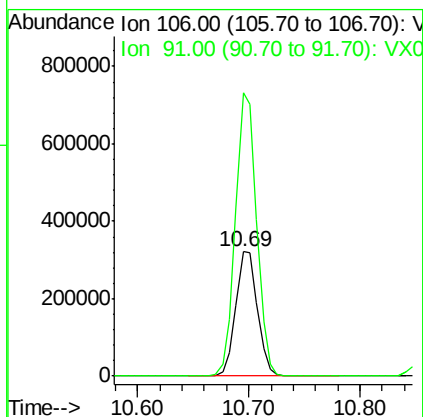
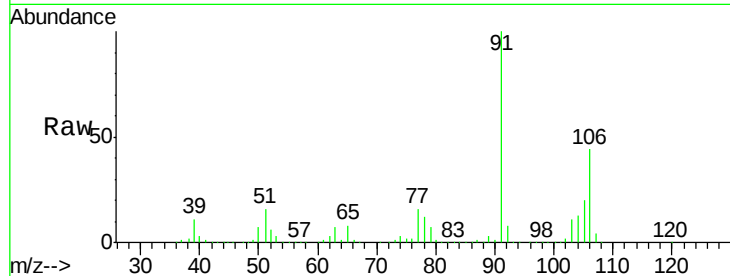
#69
o-Xylene
Concen: 100.042 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX008413.D
Acq: 25 Mar 2019 15:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		432570		
91	223.2	111.4	334.2		

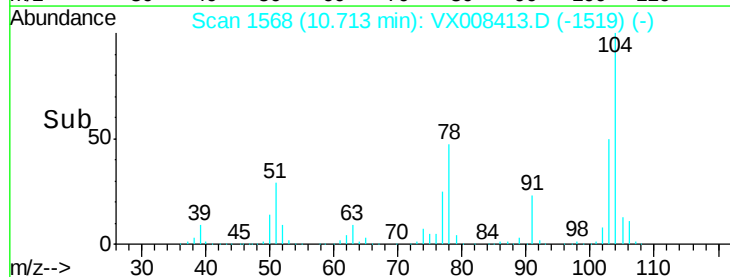
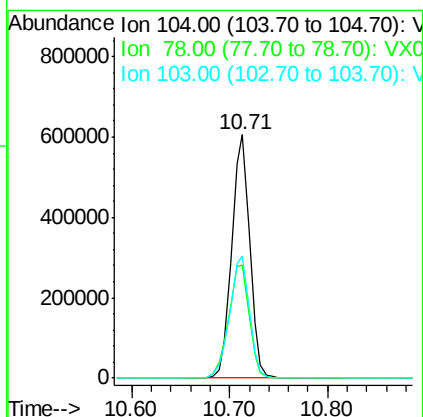
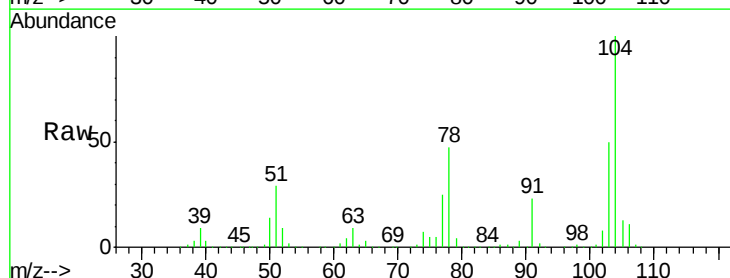
Manual Integrations
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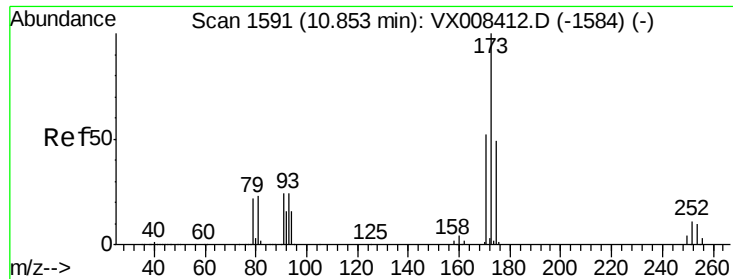
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#70
Styrene
Concen: 103.173 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX008413.D
Acq: 25 Mar 2019 15:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		773892		
78	53.2	42.5	63.7		
103	55.1	44.2	66.4		





#71

Bromoform

Concen: 111.507 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX008413.D

Acq: 25 Mar 2019 15:17

Instrument :

MSVOA_X

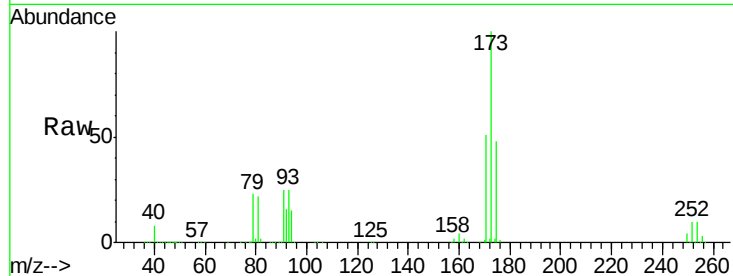
ClientSampleId :

VSTDIC100

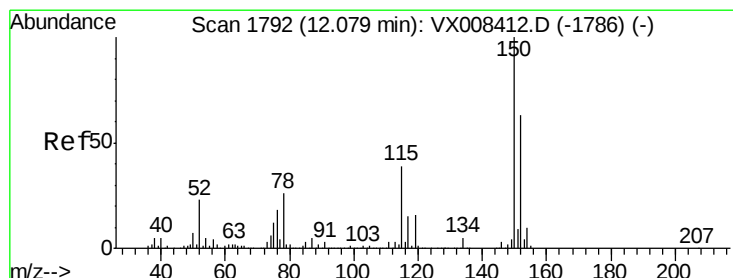
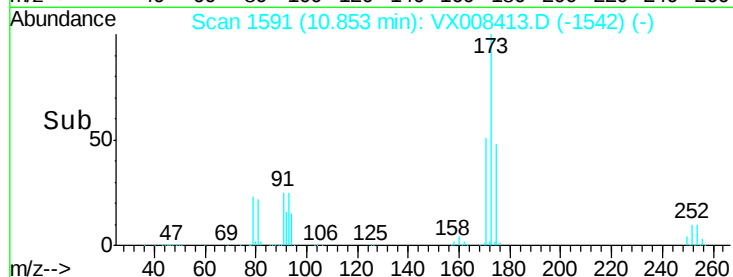
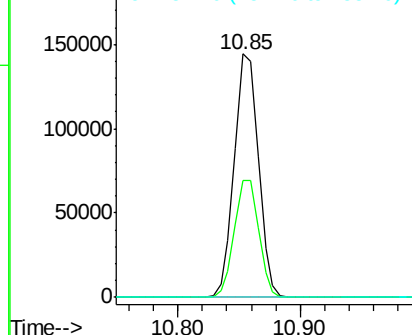
Tot Ion:	173	Resp:	196753
Ion Ratio	Lower	Upper	
173	100		
175	48.8	24.3	72.8
254	0.2	0.2	0.2

Manual Integrations
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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

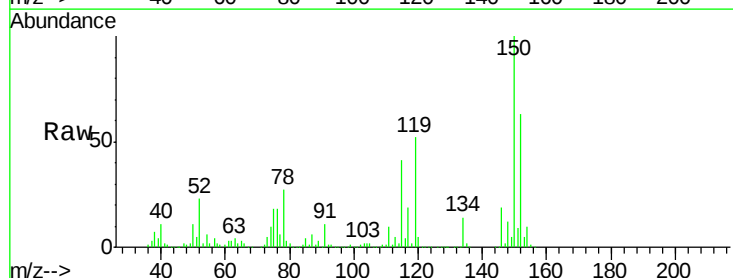
RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

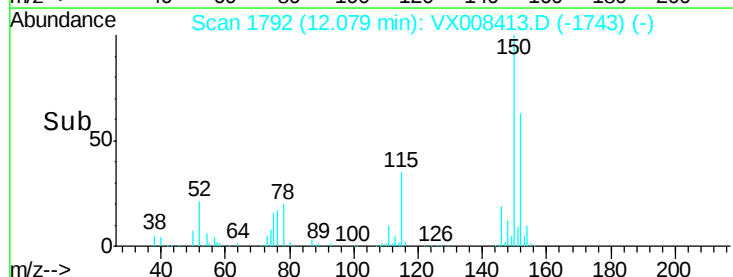
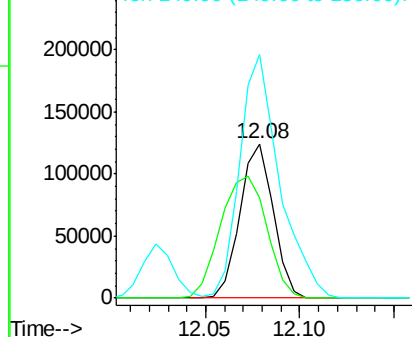
Lab File: VX008413.D

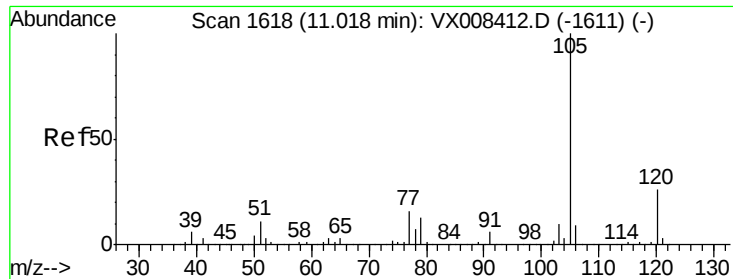
Acq: 25 Mar 2019 15:17

Tgt Ion:	152	Resp:	152475
Ion Ratio	Lower	Upper	
152	100		
115	110.4	43.5	130.5
150	189.0	0.0	348.8



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: 94.817 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX008413.D

Acq: 25 Mar 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1141157

Ion Ratio Lower Upper

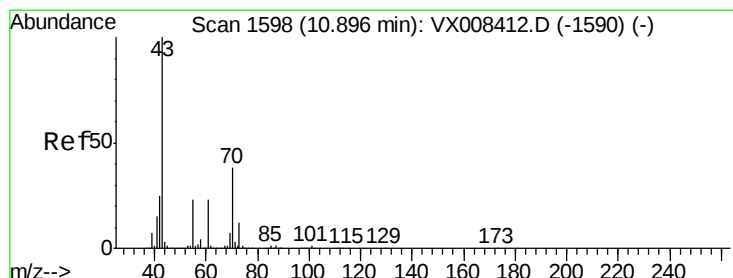
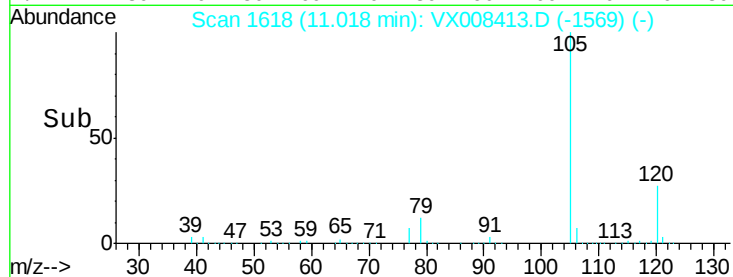
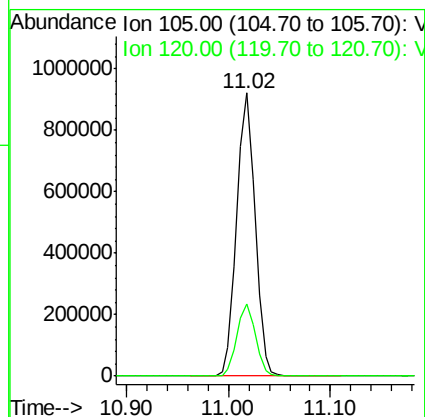
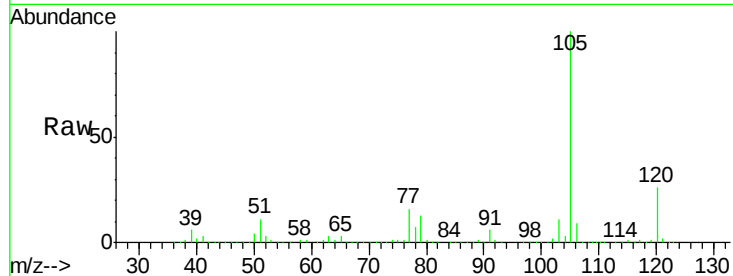
105 100

120 25.6 12.9 38.7

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#74

N-ethyl acetate

Concen: 98.748 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX008413.D

Acq: 25 Mar 2019 15:17

Tgt Ion: 43 Resp: 695809

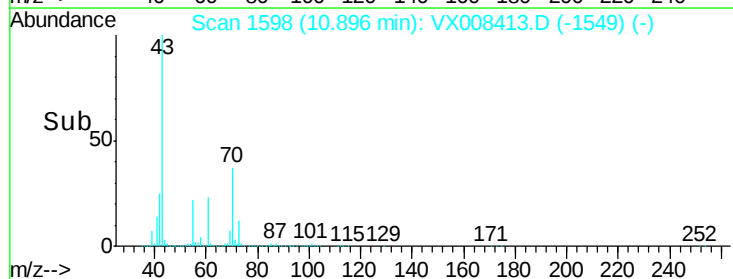
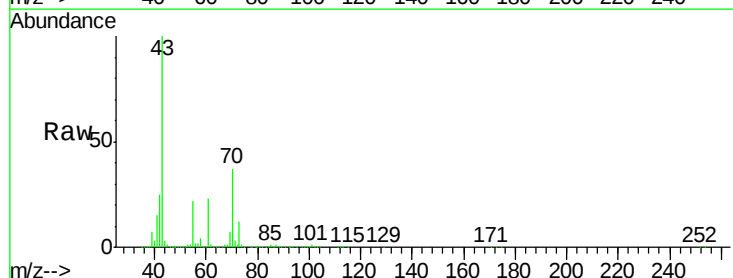
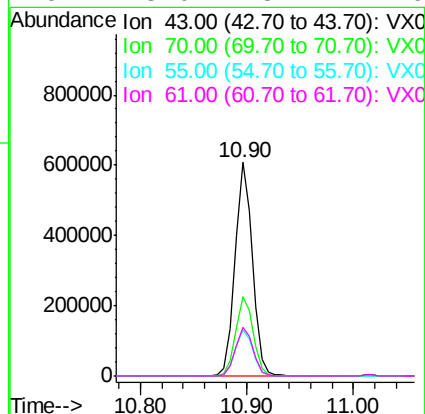
Ion Ratio Lower Upper

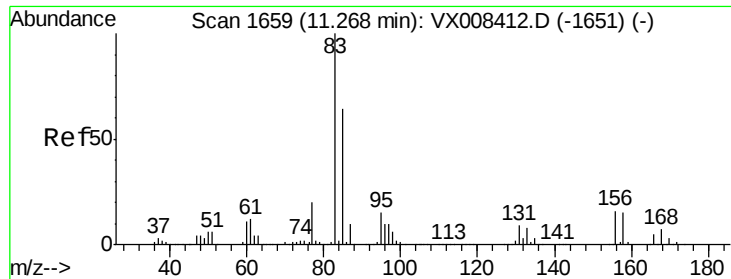
43 100

70 37.8 30.5 45.7

55 22.3 18.2 27.2

61 23.0 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 91.111 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX008413.D

Acq: 25 Mar 2019 15:17

Instrument :

MSVOA_X

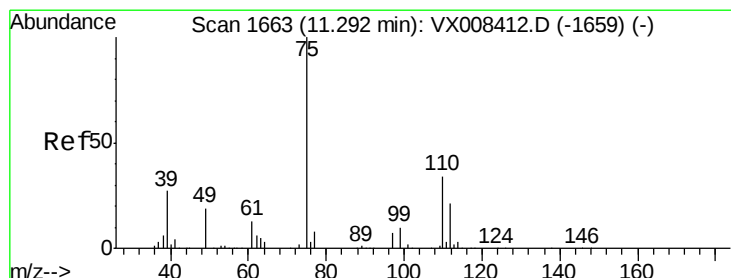
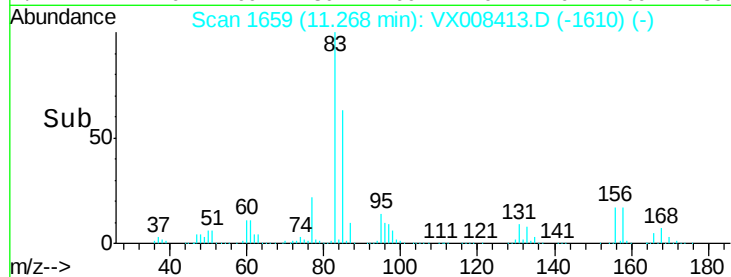
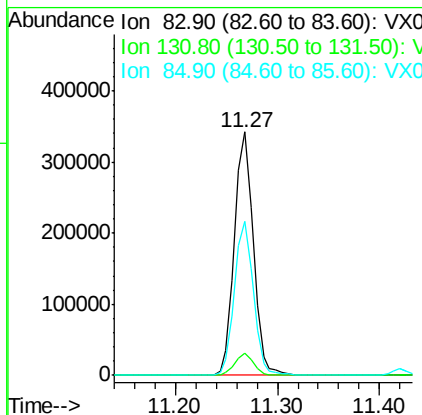
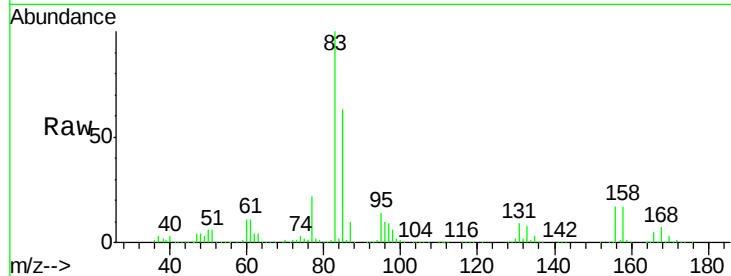
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	435741
Ion Ratio	Lower	Upper	
83	100		
131	8.8	4.5	13.4
85	63.6	31.9	95.9

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#76

1,2,3-Trichloropropane

Concen: 106.084 ug/l m

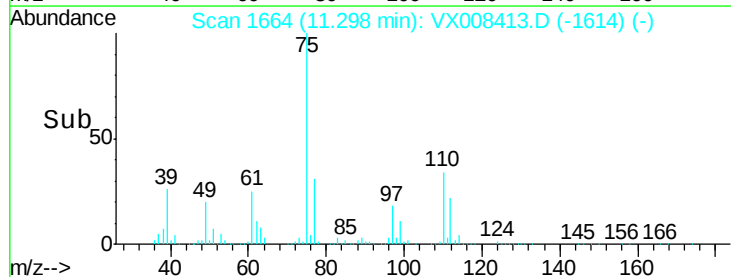
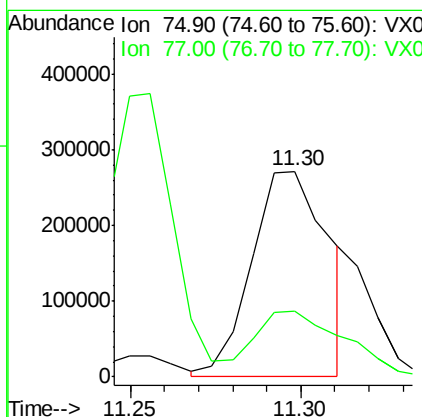
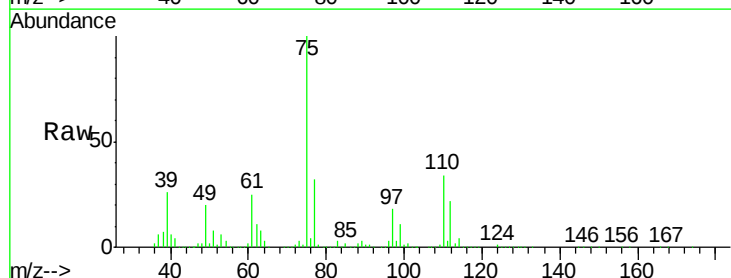
RT: 11.30 min Scan# 1664

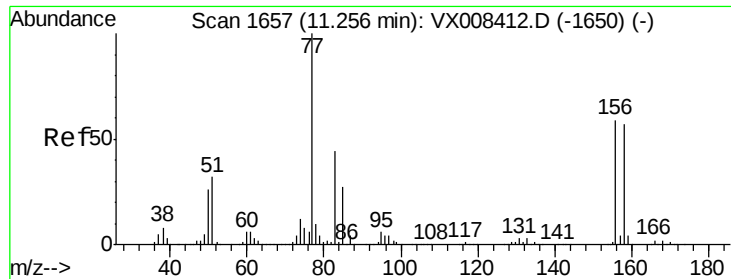
Delta R.T. 0.01 min

Lab File: VX008413.D

Acq: 25 Mar 2019 15:17

Tgt Ion:	75	Resp:	423602
Ion Ratio	Lower	Upper	
75	100		
77	39.1	21.9	65.7





#77

Bromobenzene

Concen: 97.347 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX008413.D

Acq: 25 Mar 2019 15:17

Instrument :

MSVOA_X

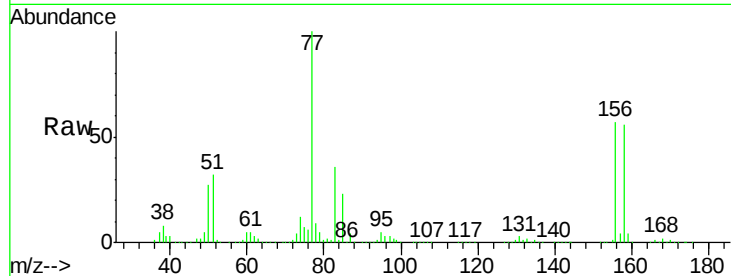
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
156	100		
77	181.4	91.1	273.3
158	95.9	48.3	144.8

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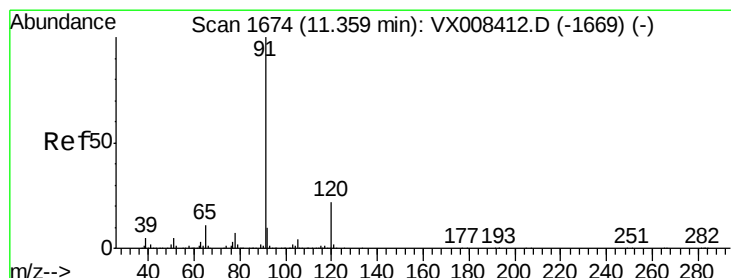
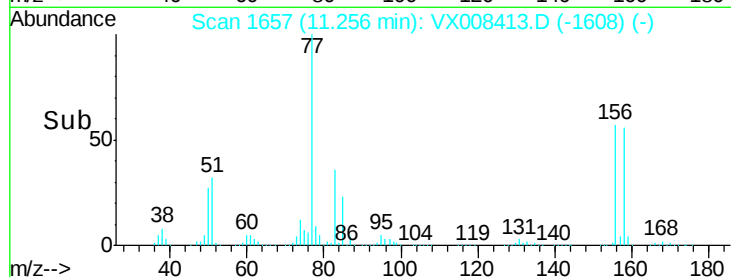
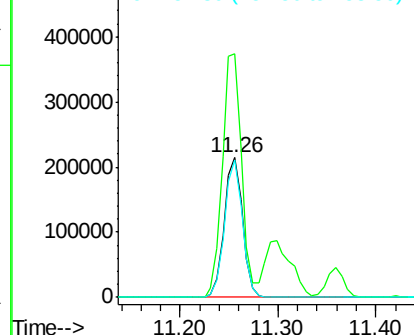


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 97.437 ug/l

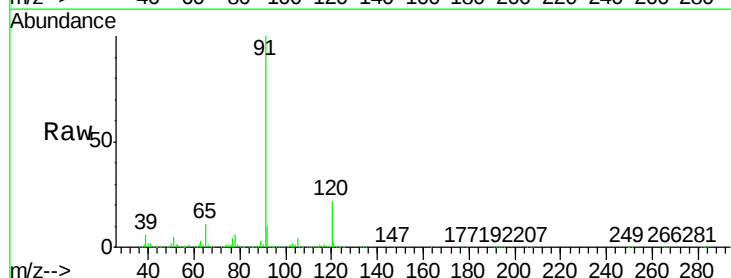
RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008413.D

Acq: 25 Mar 2019 15:17

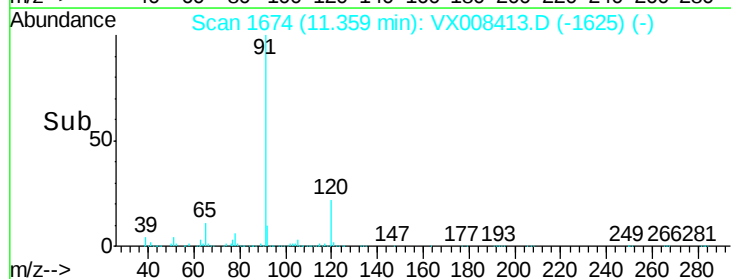
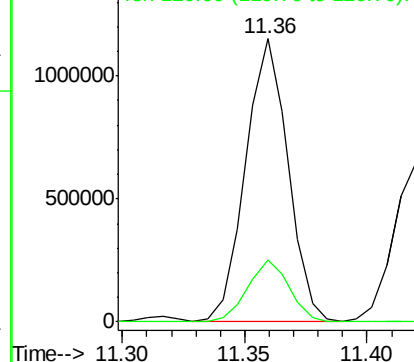
Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.6	10.8	32.4

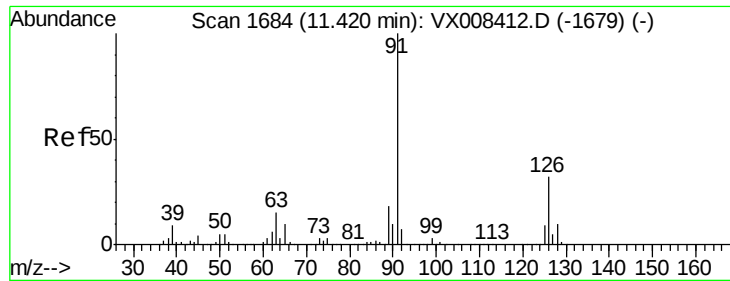


Abundance

Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 93.906 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX008413.D

Acq: 25 Mar 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 808708

Ion Ratio Lower Upper

91 100

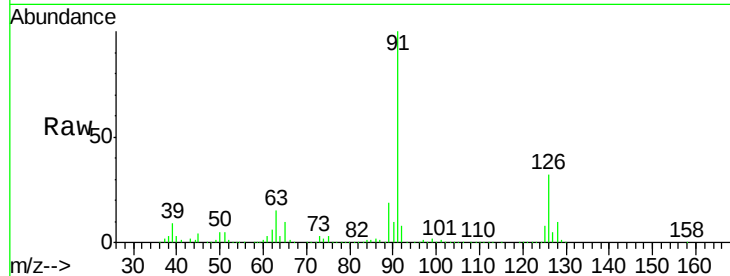
126 31.8 15.7 47.1

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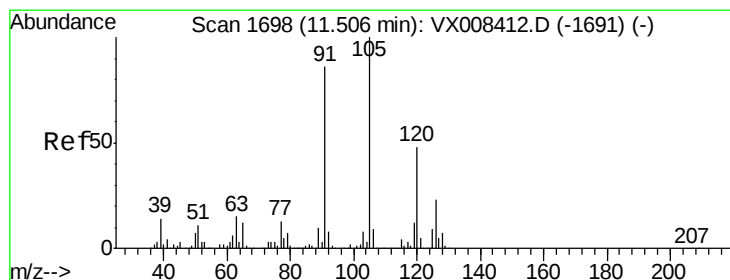
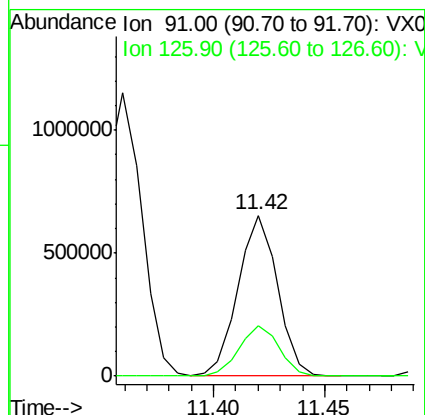
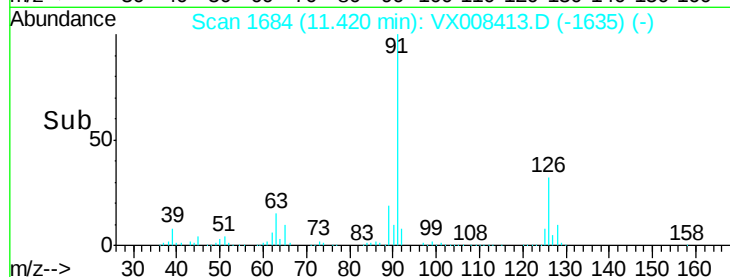
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 96.108 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008413.D

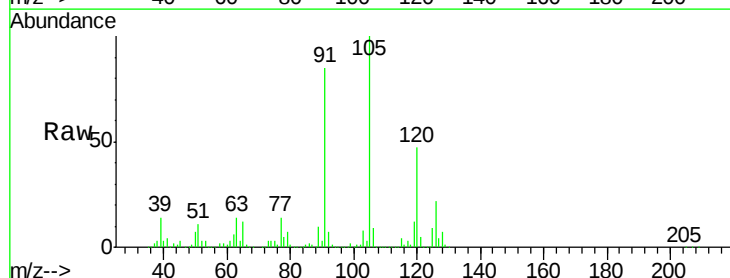
Acq: 25 Mar 2019 15:17

Tgt Ion:105 Resp: 984295

Ion Ratio Lower Upper

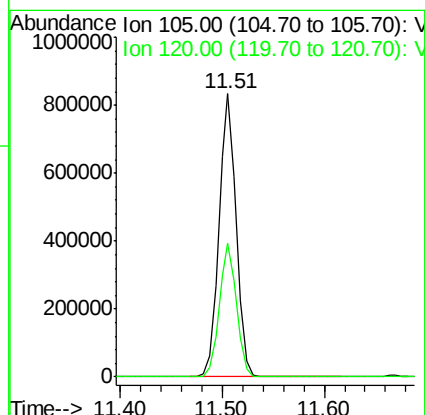
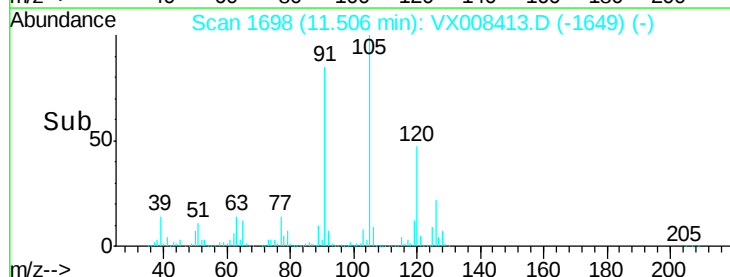
105 100

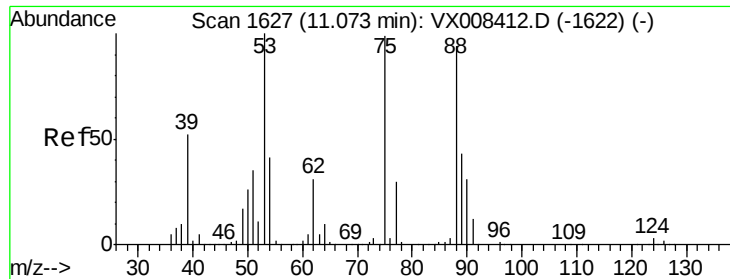
120 47.1 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 111.973 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX008413.D

Acq: 25 Mar 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 156466

Ion Ratio Lower Upper

75 100

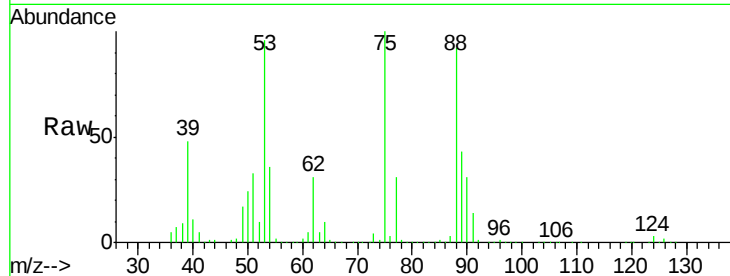
53 98.6 82.1 123.1

89 43.7 34.6 52.0

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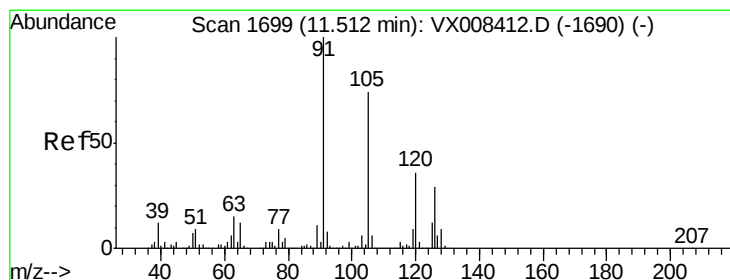
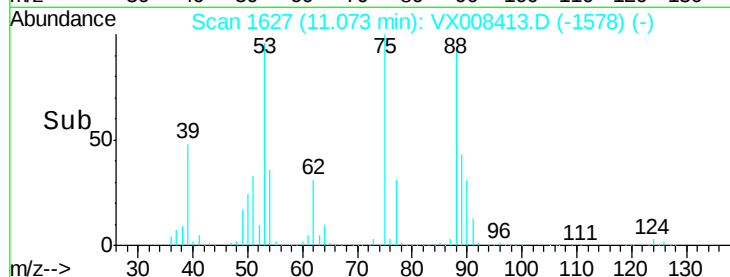
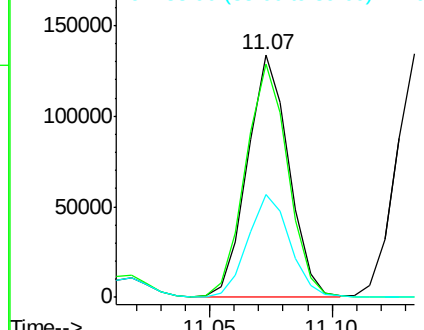
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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 96.384 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX008413.D

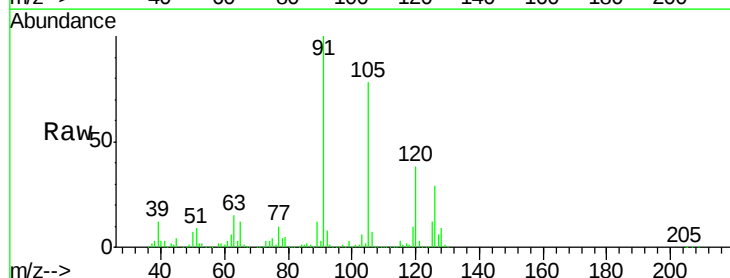
Acq: 25 Mar 2019 15:17

Tgt Ion: 91 Resp: 954747

Ion Ratio Lower Upper

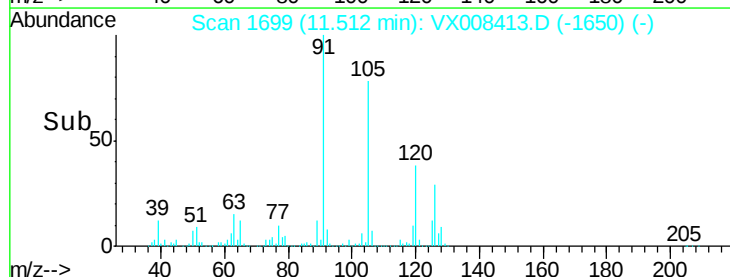
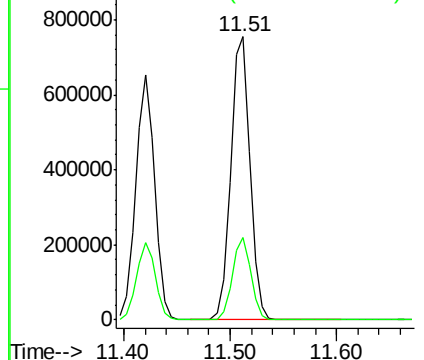
91 100

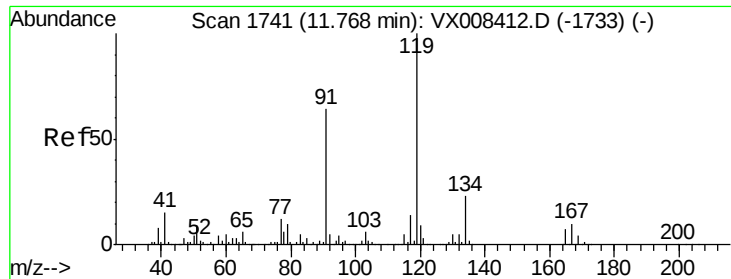
126 28.3 13.9 41.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





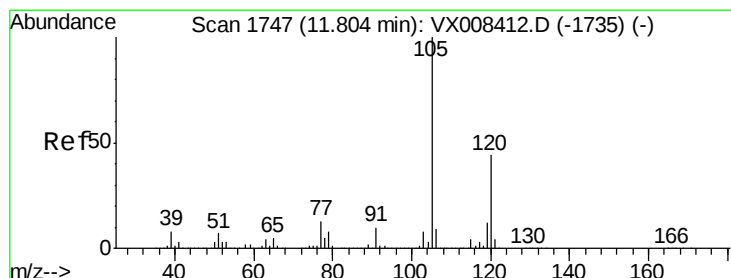
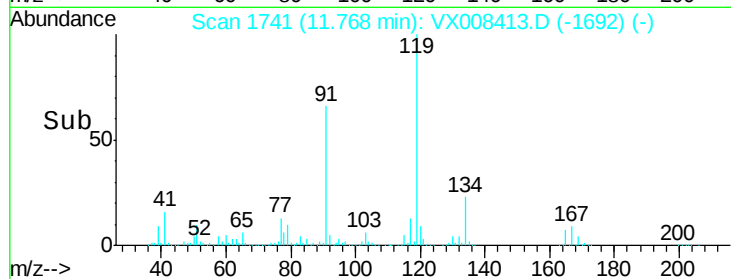
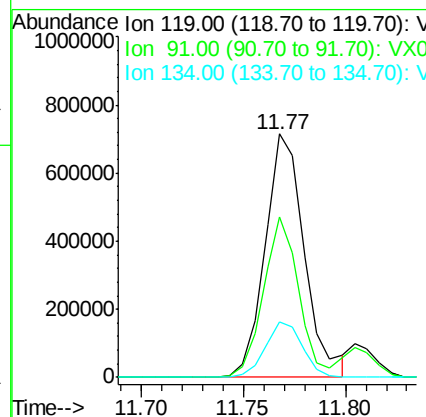
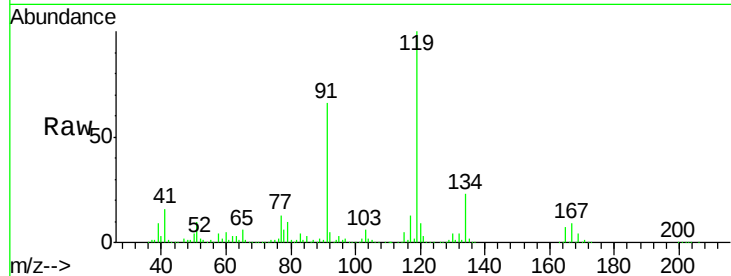
#83
 tert-Butylbenzene
 Concen: 98.681 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX008413.D
 Acq: 25 Mar 2019 15:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
119	100	959949		
91	58.9		30.1	90.3
134	21.5		10.9	32.9

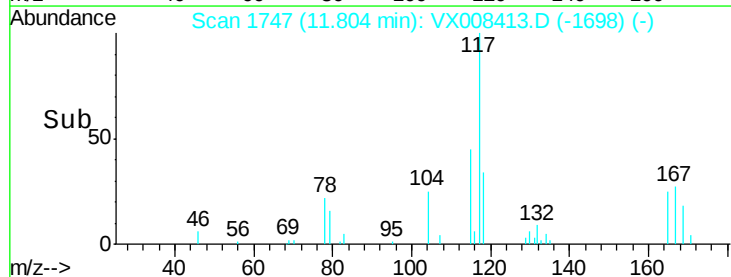
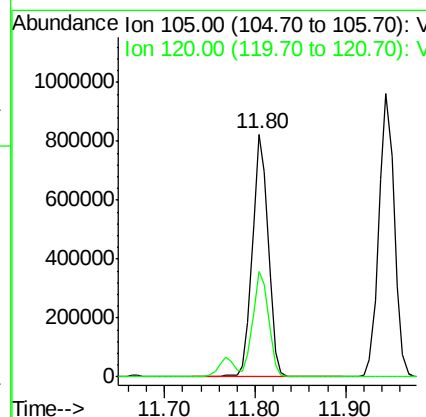
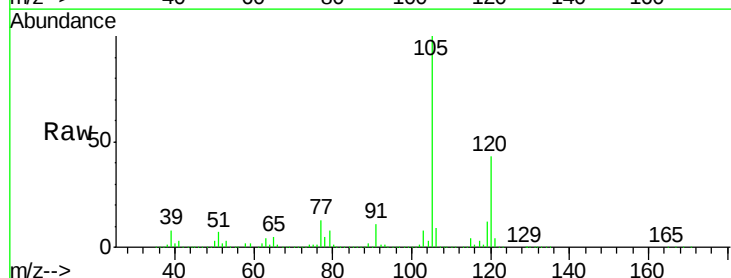
Manual Integrations
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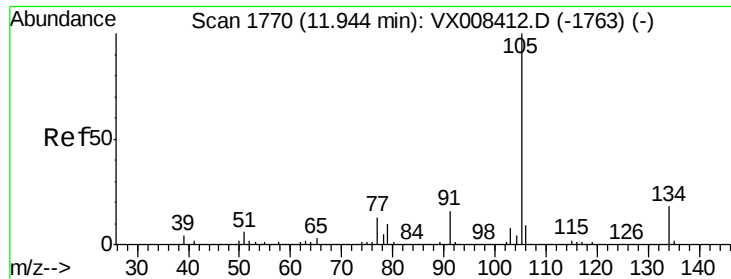
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#84
 1,2,4-Trimethylbenzene
 Concen: 97.425 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX008413.D
 Acq: 25 Mar 2019 15:17

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	996991		
120	43.0		21.6	65.0





#85

sec-Butylbenzene

Concen: 96.798 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX008413.D

Acq: 25 Mar 2019 15:17

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion:105 Resp: 1132612

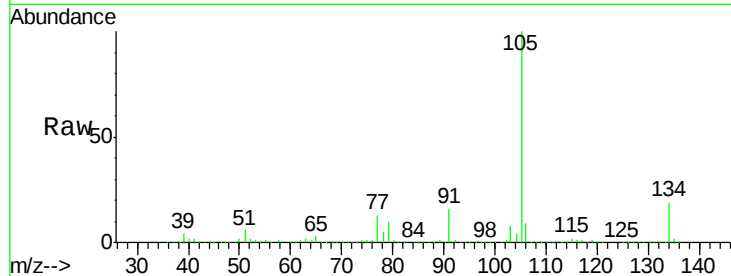
Ion Ratio Lower Upper

105 100

134 19.0 9.3 28.0

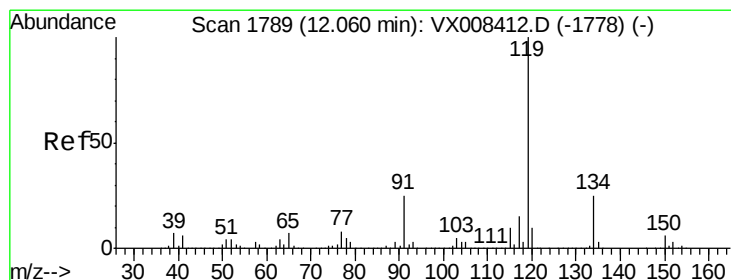
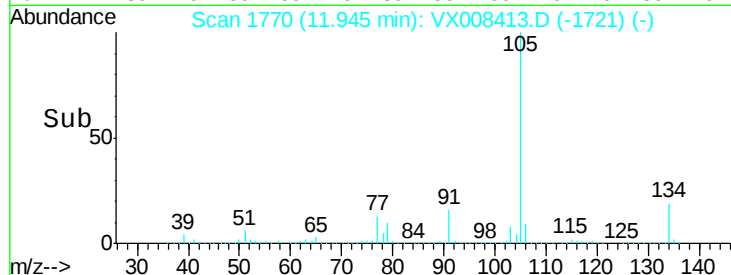
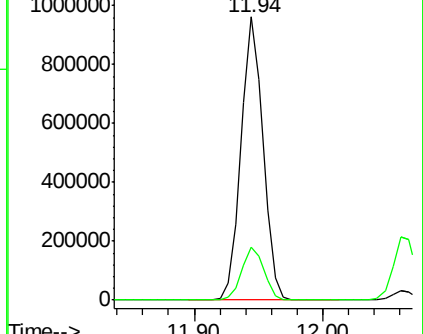
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 99.564 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX008413.D

Acq: 25 Mar 2019 15:17

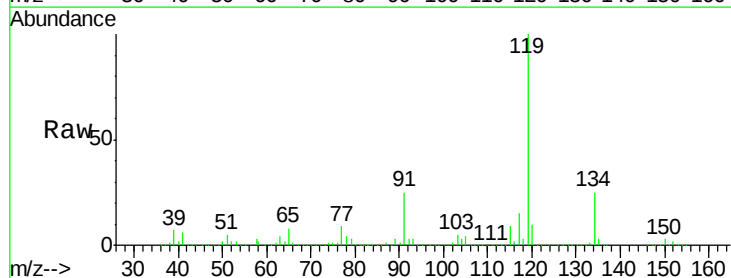
Tgt Ion:119 Resp: 1026776

Ion Ratio Lower Upper

119 100

134 25.5 12.8 38.4

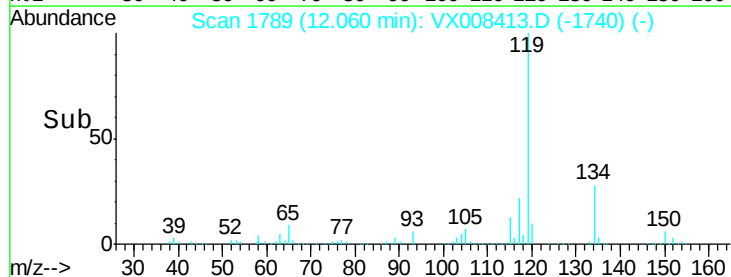
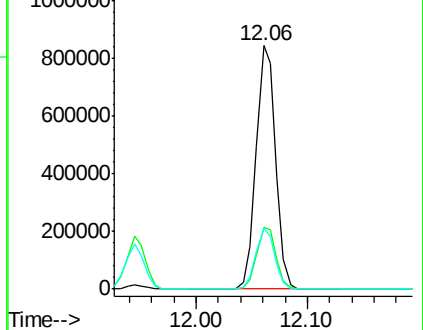
91 24.4 12.4 37.0

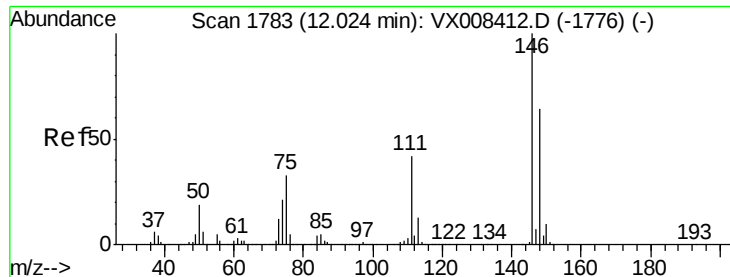


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





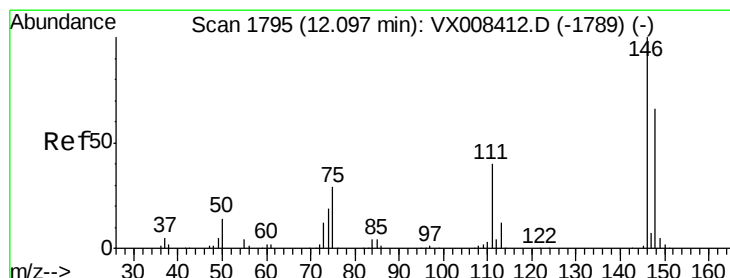
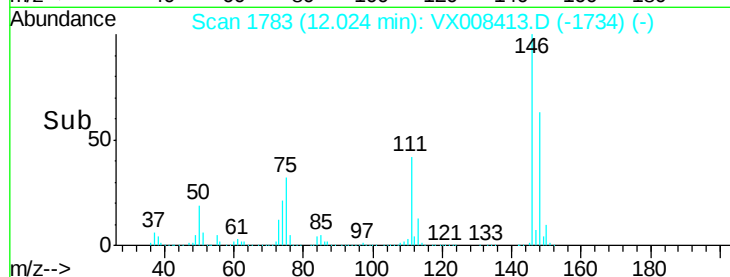
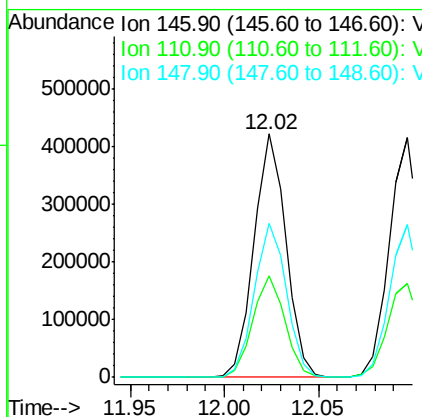
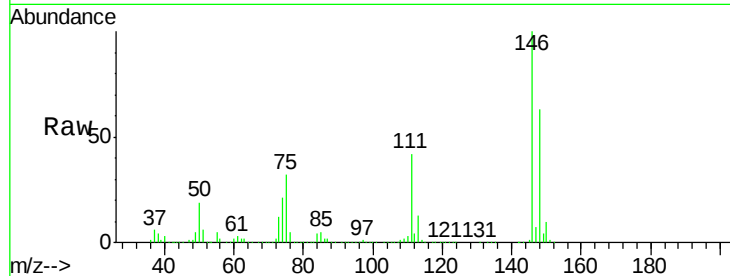
#87
 1,3-Dichlorobenzene
 Concen: 97.238 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX008413.D
 Acq: 25 Mar 2019 15:17

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.8	62.5
148	63.4	32.0	96.0

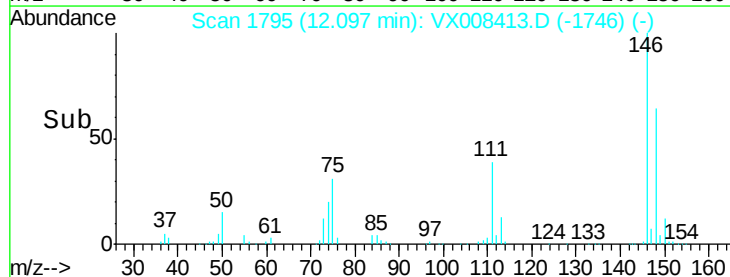
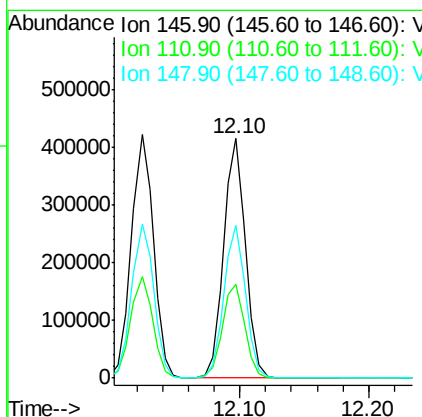
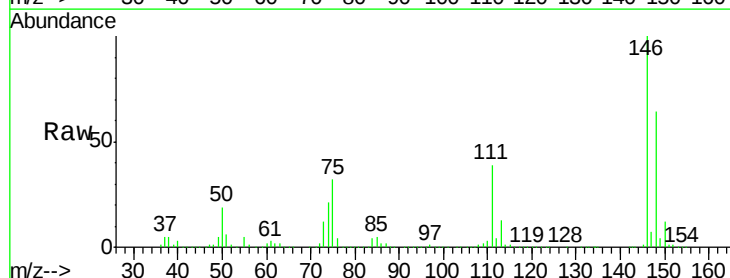
Manual Integrations
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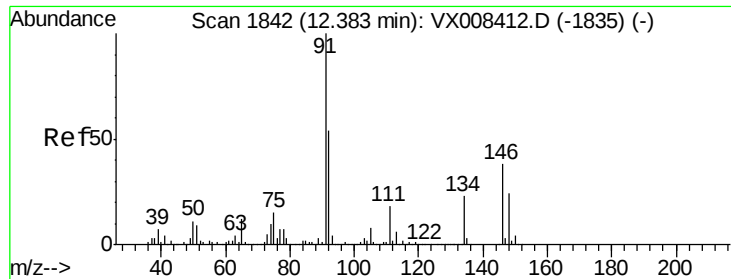
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#88
 1,4-Dichlorobenzene
 Concen: 95.062 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX008413.D
 Acq: 25 Mar 2019 15:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.3	61.0
148	63.6	32.1	96.5





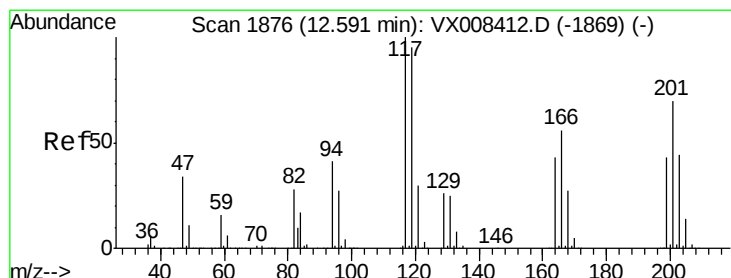
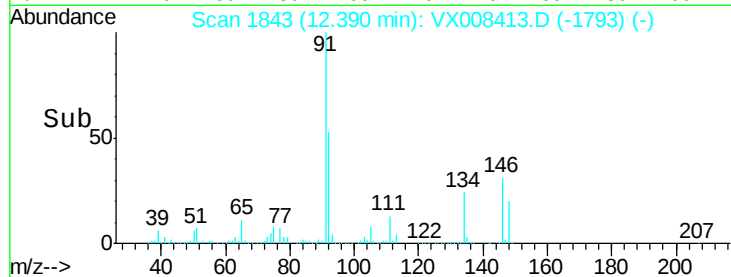
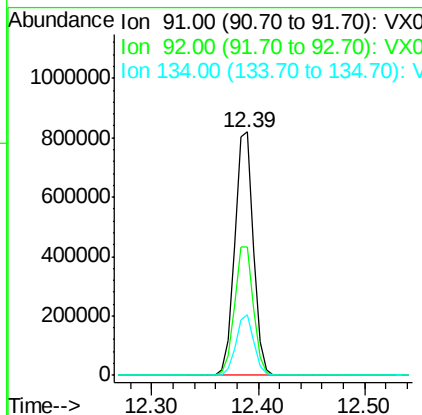
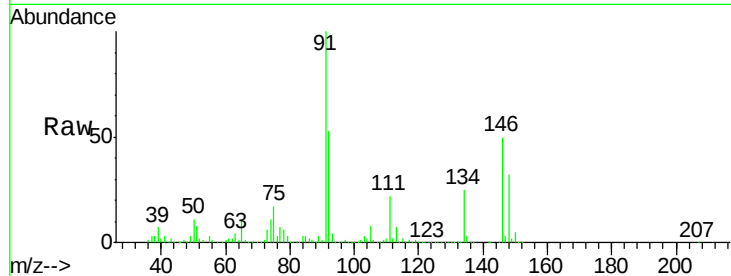
#89
n-Butylbenzene
Concen: 102.101 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.01 min
Lab File: VX008413.D
Acq: 25 Mar 2019 15:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1004301
Ion Ratio Lower Upper
91 100
92 53.4 26.5 79.5
134 23.9 11.8 35.4

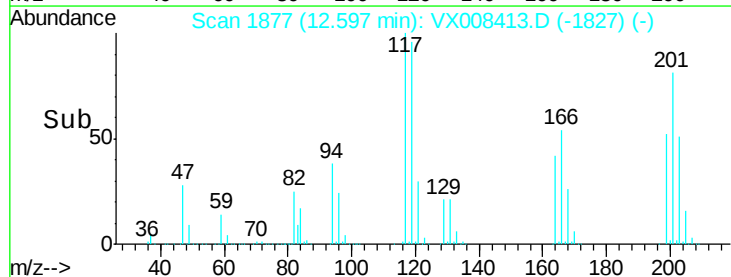
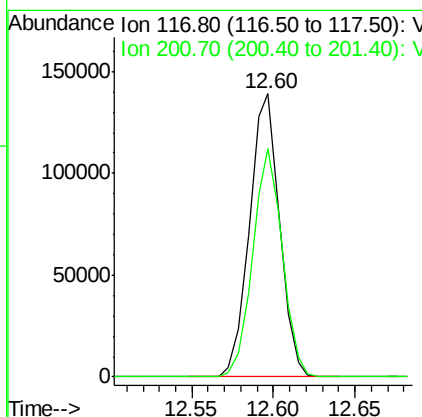
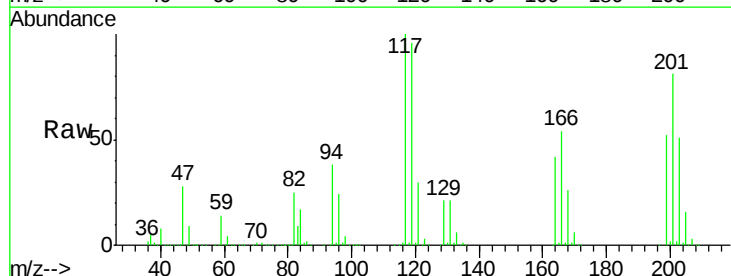
Manual Integrations
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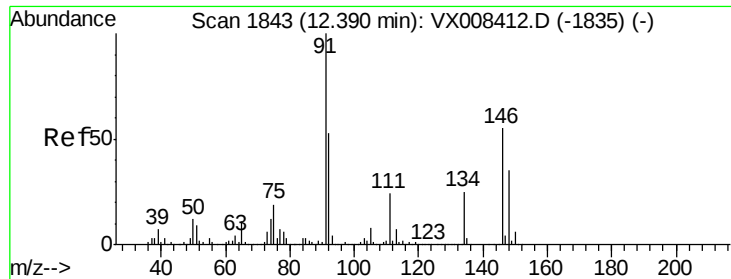
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#90
Hexachloroethane
Concen: 104.708 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.01 min
Lab File: VX008413.D
Acq: 25 Mar 2019 15:17

Tgt Ion: 117 Resp: 178735
Ion Ratio Lower Upper
117 100
201 78.9 39.4 118.1





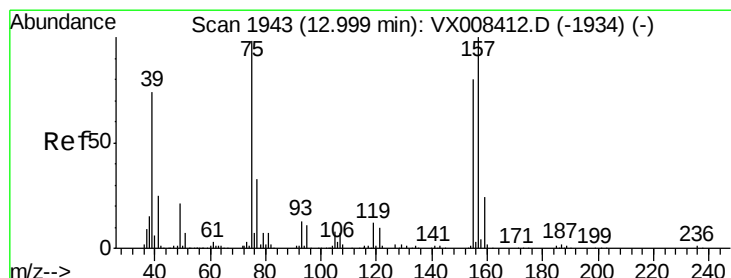
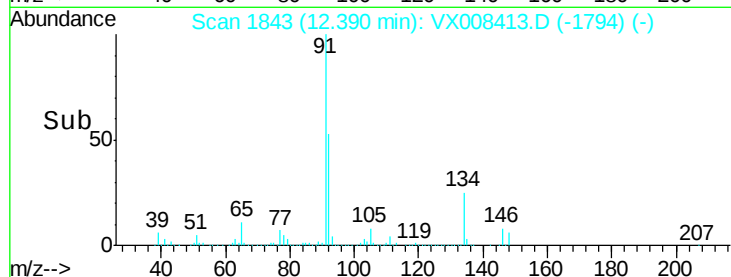
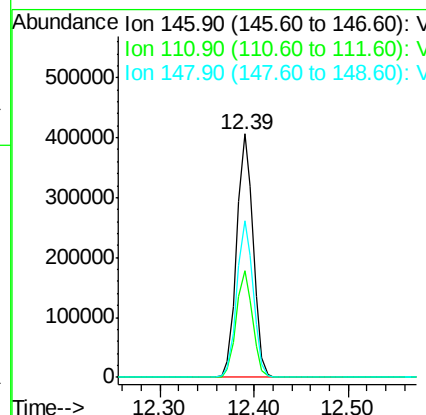
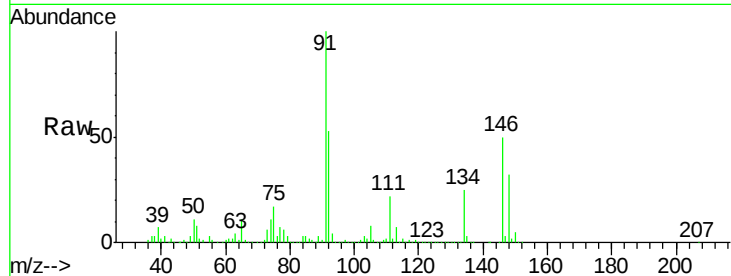
#91
 1,2-Dichlorobenzene
 Concen: 94.337 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX008413.D
 Acq: 25 Mar 2019 15:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
146	100	491165		
111	43.5	21.6	64.6	
148	64.1	31.9	95.7	

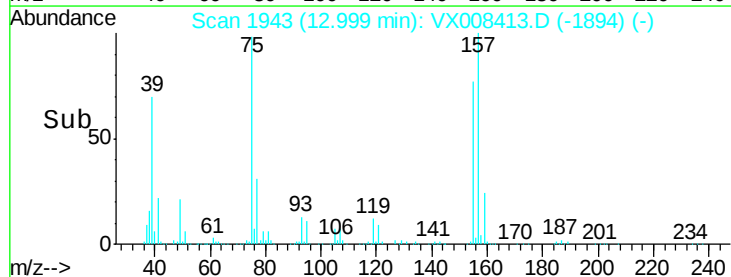
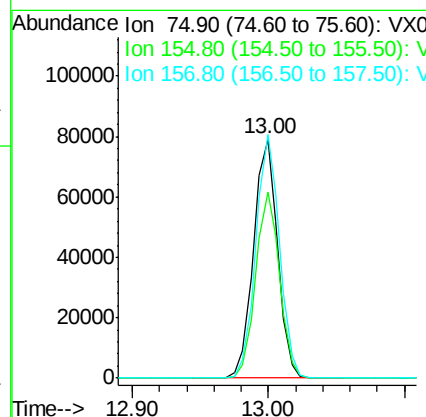
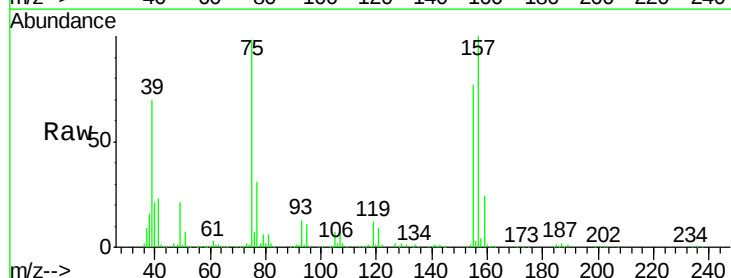
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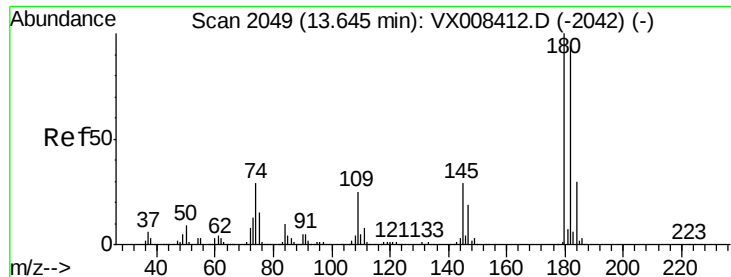
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 96.426 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX008413.D
 Acq: 25 Mar 2019 15:17

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	98122		
155	77.4	39.5	118.5	
157	100.5	49.9	149.7	





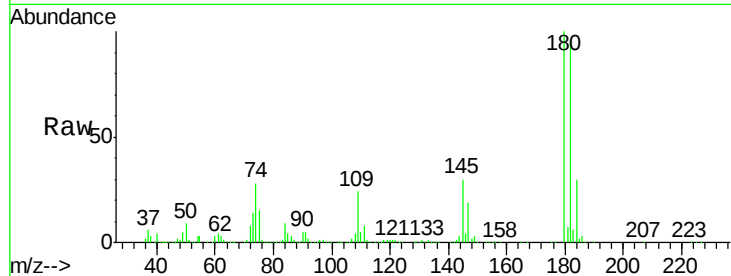
#93
 1,2,4-Trichlorobenzene
 Concen: 97.388 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX008413.D
 Acq: 25 Mar 2019 15:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

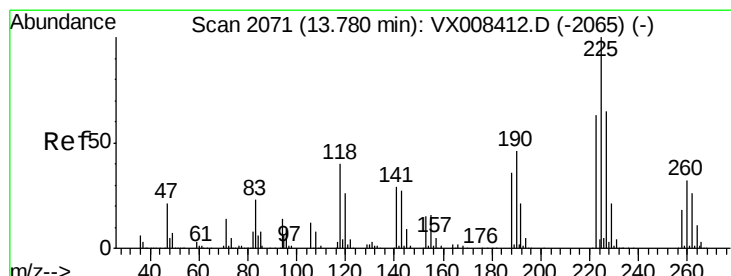
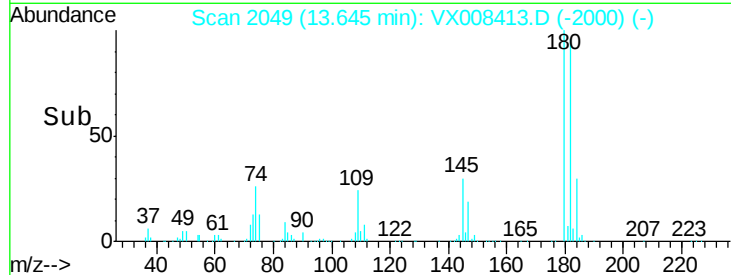
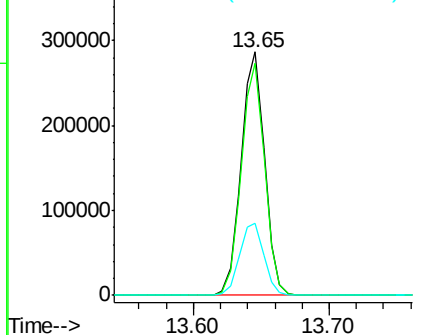
Tot Ion:	180	Resp:	342716
Ion Ratio	Lower	Upper	
180	100		
182	95.1	47.3	142.0
145	30.8	15.3	45.8

Manual Integrations
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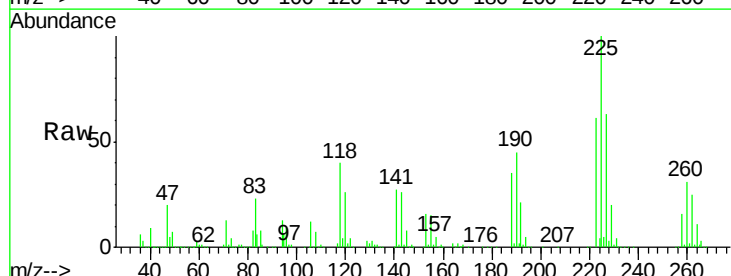


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

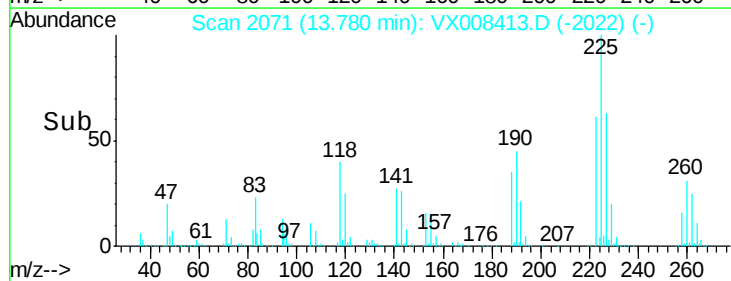
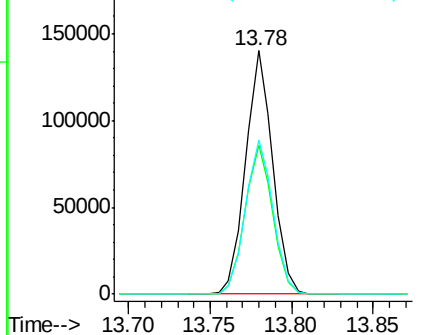


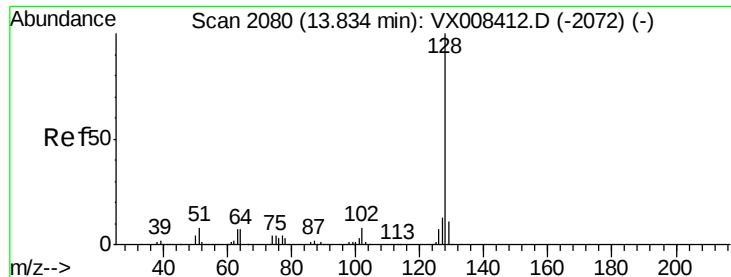
#94
 Hexachlorobutadiene
 Concen: 97.562 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX008413.D
 Acq: 25 Mar 2019 15:17

Tgt Ion:	225	Resp:	162090
Ion Ratio	Lower	Upper	
225	100		
223	62.6	31.4	94.0
227	64.6	31.9	95.9



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





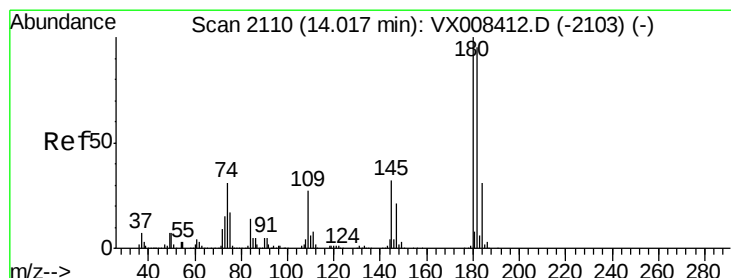
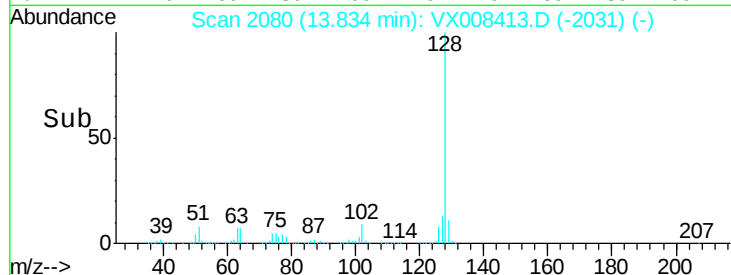
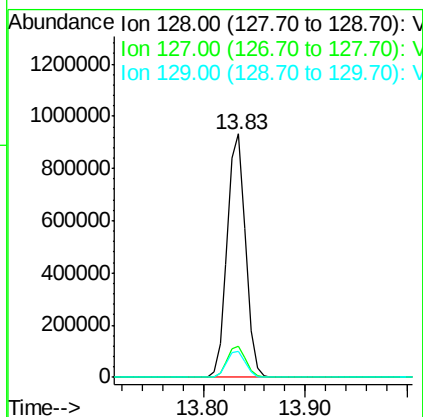
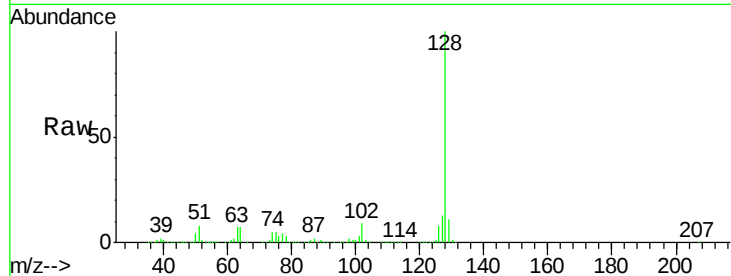
#95
Naphthalene
Concen: 94.137 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX008413.D
Acq: 25 Mar 2019 15:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	11.0	8.7	13.1

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#96
1,2,3-Trichlorobenzene
Concen: 95.882 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX008413.D
Acq: 25 Mar 2019 15:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.3	142.0
145	32.0	16.2	48.5

