

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX030819\
 Data File : VX007922.D
 Acq On : 08 Mar 2019 10:47
 Operator : JC/SP
 Sample : VSTDIC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Manual Integrations
 APPROVED

MMDadoda
 3/11/2019 9:30:52 AM

Quant Time: Mar 08 12:11:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X030819W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 08 11:07:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	45737	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	244279	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	218235	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	87804	29.68	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.93%
60) 4-Bromofluorobenzene	11.13	95	104603	31.23	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	104.10%
63) Toluene-d8	8.71	98	299240	30.34	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.13%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	131567	56.805	ug/l 100
3) Chloromethane	1.33	50	142735	56.075	ug/l 96
4) Vinyl Chloride	1.41	62	138441	48.352	ug/l 97
5) Bromomethane	1.64	94	64188	25.105	ug/l 98
6) Chloroethane	1.73	64	80268	41.242	ug/l 96
7) Trichlorofluoromethane	1.93	101	168893	37.631	ug/l 97
8) Diethyl Ether	2.19	74	92042	51.339	ug/l 89
9) 1,1,2-Trichlorotrifluoroet	2.39	101	134191	52.993	ug/l 99
10) 1,1-Dichloroethene	2.38	96	126624	50.393	ug/l 93
11) Methyl Iodide	2.51	142	206333	57.134	ug/l 96
12) Methyl Acetate	2.78	43	193050	55.711	ug/l 96
13) Acrolein	2.30	56	109425	181.027	ug/l 97
14) Acrylonitrile	3.15	53	431029	269.959	ug/l 100
15) Acetone	2.45	58	159102	367.177	ug/l 98
16) Carbon Disulfide	2.57	76	402986	60.478	ug/l 100
17) Allyl chloride	2.73	41	262748	61.032	ug/l 89
18) Methylene Chloride	2.86	84	141913	50.222	ug/l 93
19) trans-1,2-Dichloroethene	3.17	96	134314	49.977	ug/l 97
20) Diisopropyl ether	3.87	45	477367	58.674	ug/l 91
21) 1,1-Dichloroethane	3.70	63	257770	56.513	ug/l 98
22) cis-1,2-Dichloroethene	4.60	96	154287	51.587	ug/l 92
23) tert-Butyl Alcohol	3.07	59	173785	258.961	ug/l # 100
24) Methyl tert-Butyl Ether	3.20	73	434921	49.877	ug/l 95
25) Chloroform	5.21	83	242299	50.297	ug/l 98
26) Cyclohexane	5.57	56	242029	63.279	ug/l # 90
29) 1,1-Dichloropropene	5.80	75	188782	55.403	ug/l 97
30) 2-Butanone	4.70	43	653397	324.027	ug/l 98
31) 2,2-Dichloropropane	4.59	77	174914	63.183	ug/l 98
32) 1,1,1-Trichloroethane	5.49	97	204744	50.271	ug/l 99
33) Carbon Tetrachloride	5.79	117	182705	50.747	ug/l 99
34) Benzene	6.14	78	578219	53.829	ug/l 97
35) Methacrylonitrile	5.06	41	125064	59.650	ug/l 95
36) 1,2-Dichloroethane	6.20	62	185524	50.750	ug/l 99
37) Trichloroethene	7.21	130	156314	50.614	ug/l 93
38) Methylcyclohexane	7.46	83	242836	61.564	ug/l 96
39) 1,2-Dichloropropane	7.52	63	152566	57.101	ug/l 98
40) Dibromomethane	7.66	93	95672	49.580	ug/l 92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	7.90	83	182759	53.369	ug/l	100
42) Vinyl Acetate	3.82	43	2119019	300.219	ug/l	97
43) Ethyl Acetate	4.85	43	223602	57.903	ug/l #	82
44) Isopropyl Acetate	6.46	43	345625	57.969	ug/l	99
45) 1,4-Dioxane	7.75	88	72740	1033.742	ug/l	92
46) Methyl methacrylate	7.77	41	182739	60.526	ug/l	90
47) n-amyl Acetate	10.90	43	297026	56.521	ug/l	97
48) t-1,3-Dichloropropene	9.04	75	203227	57.487	ug/l	98
49) cis-1,3-Dichloropropene	8.43	75	228282	57.988	ug/l	97
50) 1,1,2-Trichloroethane	9.21	97	145438	51.691	ug/l	96
51) Ethyl methacrylate	9.18	69	228986	56.137	ug/l	94
52) 1,3-Dichloropropane	9.37	76	241829	53.285	ug/l	100
53) Dibromochloromethane	9.59	129	154193	52.690	ug/l	100
54) 1,2-Dibromoethane	9.67	107	154129	50.027	ug/l	99
55) 2-Chloroethyl vinyl ether	8.31	63	522507	251.952	ug/l	98
56) Bromoform	10.85	173	124863	56.566	ug/l #	98
58) 4-Methyl-2-Pentanone	8.65	43	1128893	287.586	ug/l	99
59) 2-Hexanone	9.49	43	879350	294.925	ug/l	99
61) Tetrachloroethene	9.34	164	153346	49.498	ug/l	97
62) Toluene	8.79	91	619558	52.128	ug/l	100
64) Chlorobenzene	10.14	112	394254	51.044	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.22	131	143858	51.422	ug/l	99
66) Ethyl Benzene	10.25	91	671424	53.235	ug/l	98
67) m/p-Xylenes	10.36	106	519303	104.975	ug/l	97
68) o-Xylene	10.70	106	253170	52.473	ug/l	99
69) Styrene	10.71	104	418098	53.700	ug/l	99
70) Isopropylbenzene	11.02	105	668641	52.530	ug/l	97
71) 1,1,2,2-Tetrachloroethane	11.27	83	217286	51.640	ug/l	98
72) 1,2,3-Trichloropropane	11.30	75	210619m	54.746	ug/l	
73) Bromobenzene	11.26	156	175916	50.621	ug/l	94
74) n-propylbenzene	11.36	91	759130	53.712	ug/l	98
75) 2-Chlorotoluene	11.42	91	449956	53.246	ug/l	95
76) 1,3,5-Trimethylbenzene	11.51	105	554472	53.364	ug/l	98
77) t-1,4-Dichloro-2-butene	11.07	75	67203	60.516	ug/l	87
78) 4-Chlorotoluene	11.51	91	510936	52.970	ug/l	97
79) tert-butylbenzene	12.06	119	601721	54.538	ug/l	98
80) 1,2,4-Trimethylbenzene	11.80	105	566249	53.686	ug/l	98
81) sec-Butylbenzene	11.94	105	669665	53.970	ug/l	99
82) p-Isopropyltoluene	12.06	119	601721	54.538	ug/l	98
83) 1,3-Dichlorobenzene	12.02	146	314201	51.430	ug/l	98
84) 1,4-Dichlorobenzene	12.10	146	311764	51.138	ug/l	98
85) n-Butylbenzene	12.39	91	514811	56.230	ug/l	99
86) Hexachloroethane	12.60	117	98742	53.905	ug/l	83
87) 1,2-Dichlorobenzene	12.39	146	308743	50.351	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.00	75	45062	51.318	ug/l	98
89) 1,2,4-Trichlorobenzene	13.65	180	221045	54.887	ug/l	99
90) Hexachlorobutadiene	13.78	225	122927	65.330	ug/l	99
91) Naphthalene	13.83	128	648630	50.500	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	221623	54.134	ug/l	98

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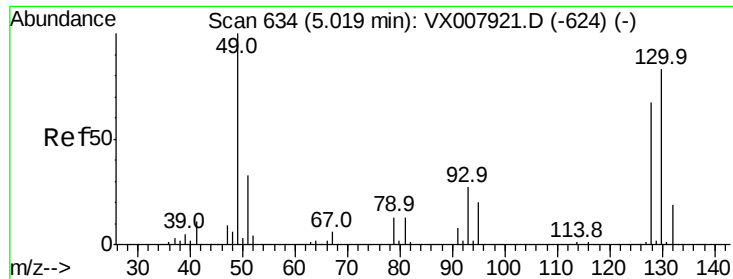
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 634

Delta R.T. 0.00 min

Lab File: VX007922.D

Acq: 08 Mar 2019 10:47

Instrument :

MSVOA_X

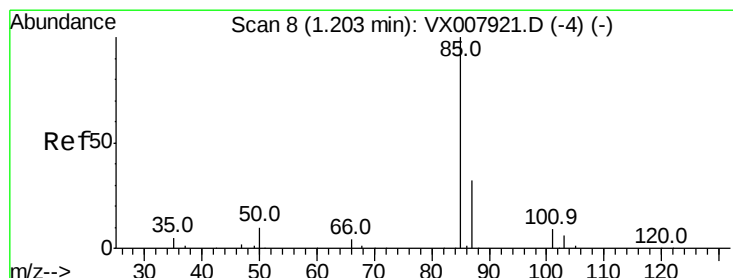
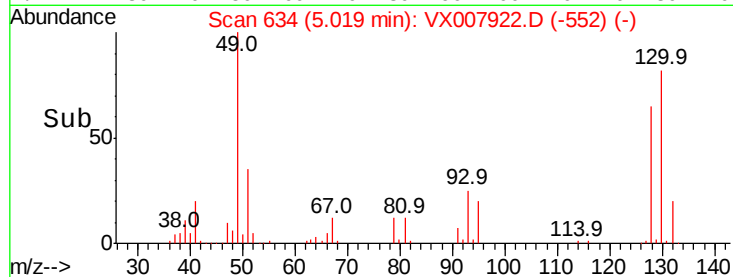
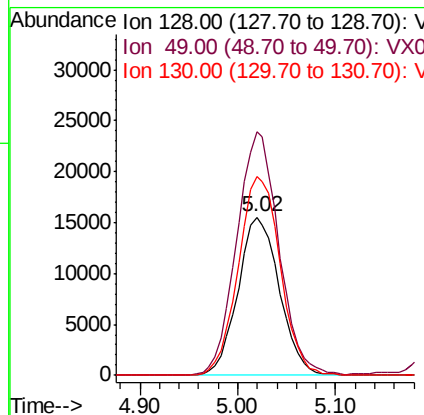
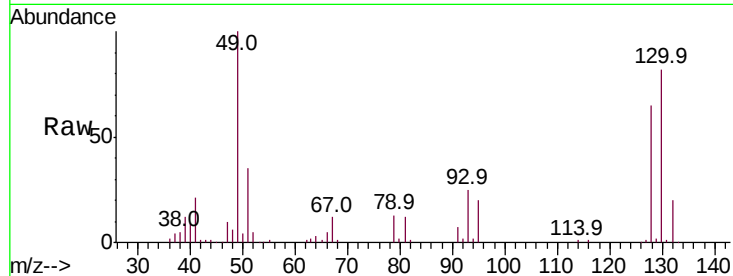
ClientSampleId :

VSTDIC050

Tot Ion:	128	Resp:	45737
Ion	Ratio	Lower	Upper
128	100		
49	156.5	0.0	350.8
130	127.7	0.0	325.8

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#2

Dichlorodifluoromethane

Concen: 56.805 ug/l

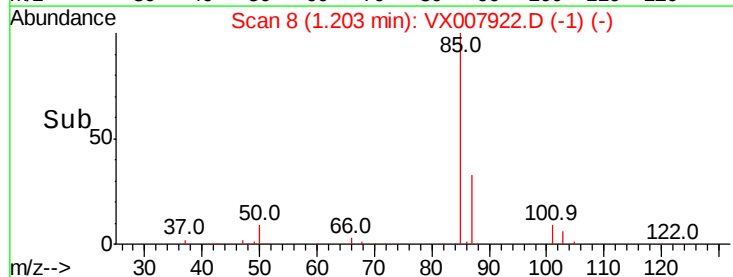
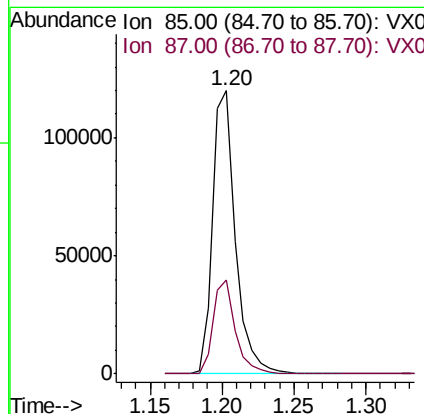
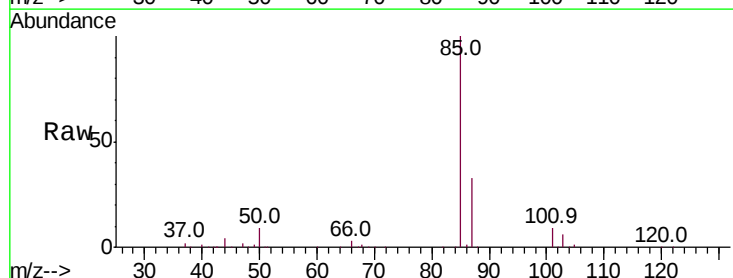
RT: 1.20 min Scan# 8

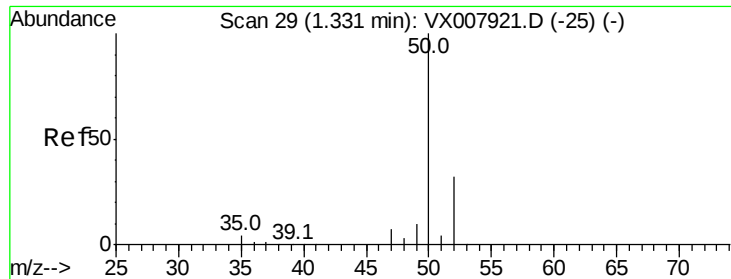
Delta R.T. 0.00 min

Lab File: VX007922.D

Acq: 08 Mar 2019 10:47

Tgt Ion:	85	Resp:	131567
Ion	Ratio	Lower	Upper
85	100		
87	33.0	16.6	49.8





#3

Chloromethane

Concen: 56.075 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007922.D

Acq: 08 Mar 2019 10:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 50 Resp: 142735

Ion Ratio Lower Upper

50 100

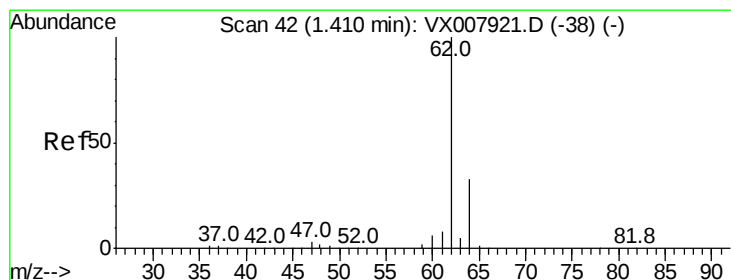
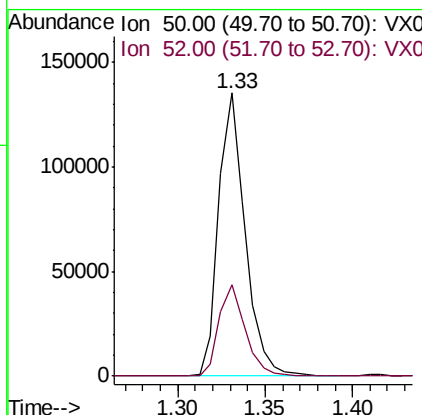
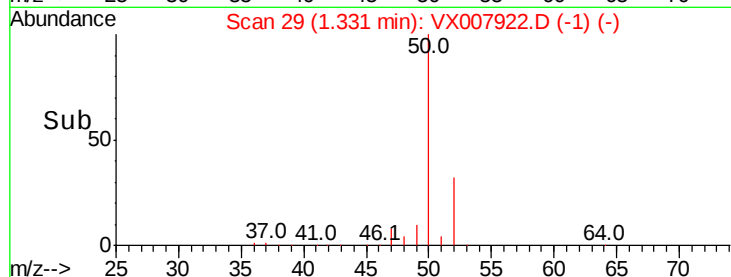
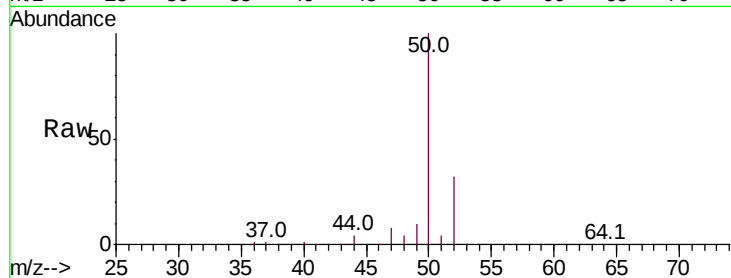
52 32.4 27.5 41.3

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#4

Vinyl Chloride

Concen: 48.352 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007922.D

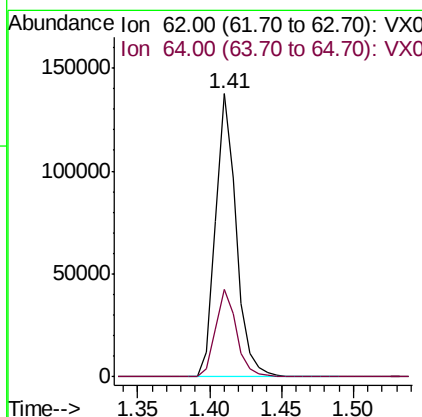
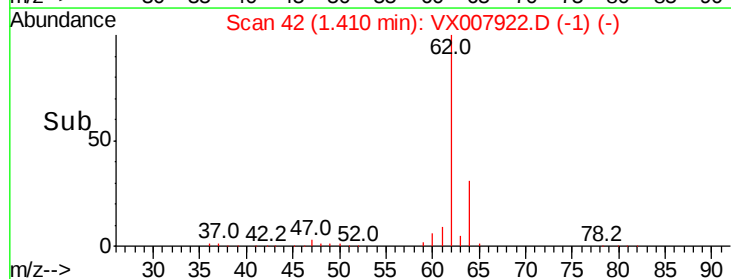
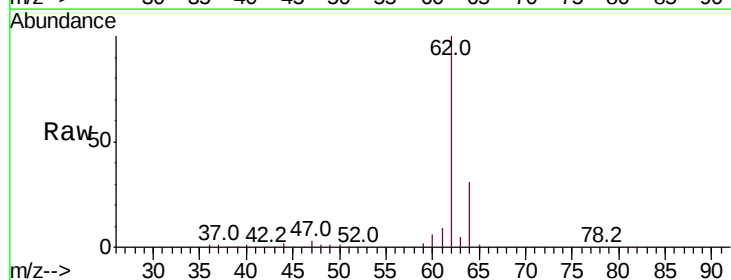
Acq: 08 Mar 2019 10:47

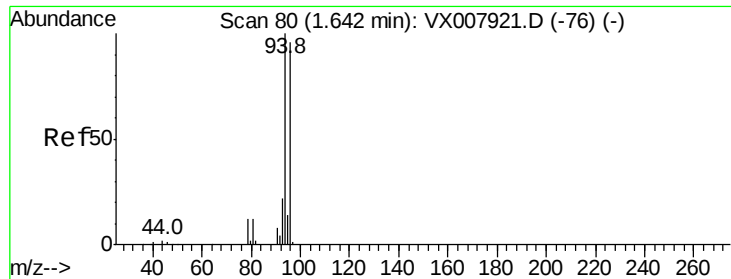
Tgt Ion: 62 Resp: 138441

Ion Ratio Lower Upper

62 100

64 30.9 25.9 38.9





#5

Bromomethane

Concen: 25.105 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007922.D

Acq: 08 Mar 2019 10:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 94 Resp: 64188

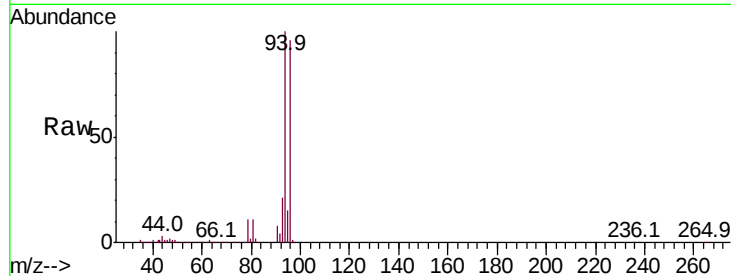
Ion Ratio Lower Upper

94 100

96 96.0 75.6 113.4

Manual Integrations
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Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0

1.64

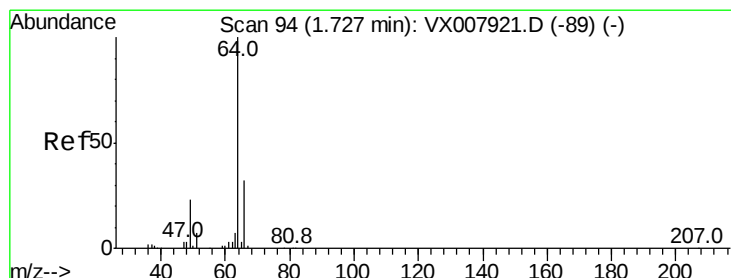
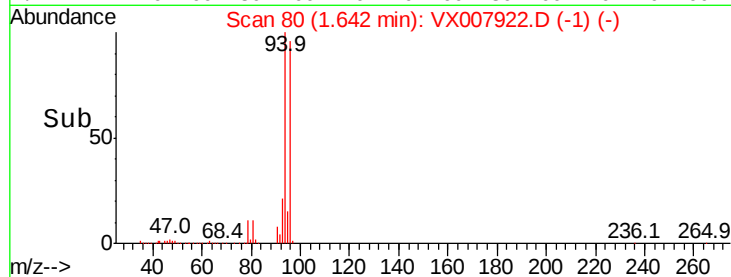
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 41.242 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.00 min

Lab File: VX007922.D

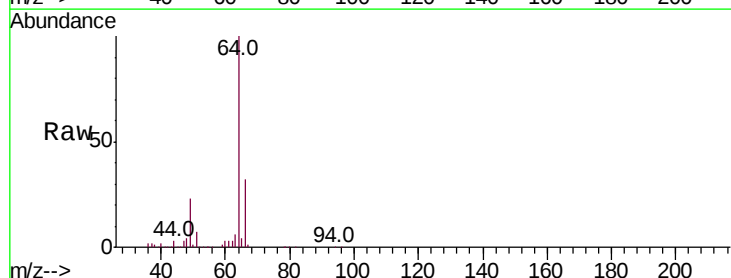
Acq: 08 Mar 2019 10:47

Tgt Ion: 64 Resp: 80268

Ion Ratio Lower Upper

64 100

66 31.9 23.9 35.9



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0

1.73

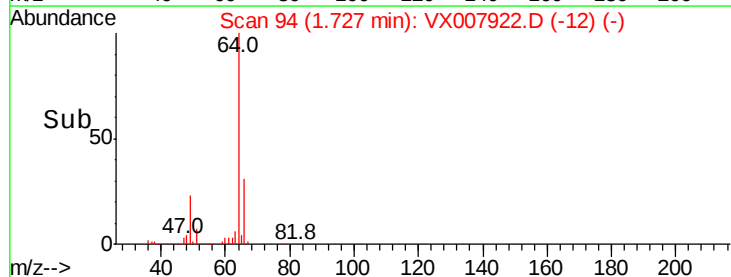
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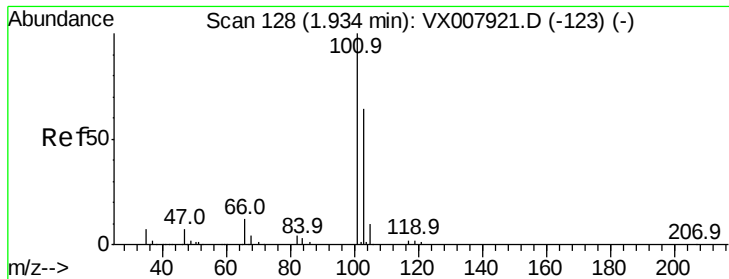
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20000

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Time-->





#7

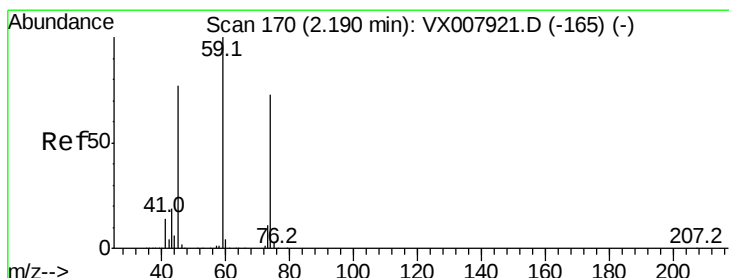
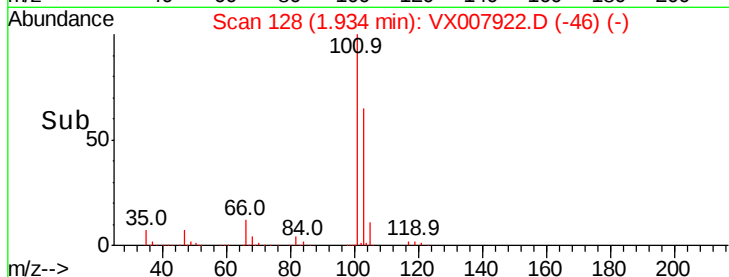
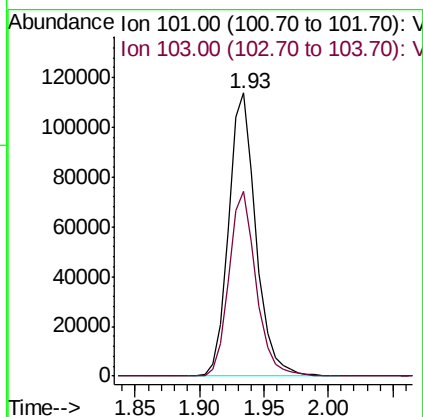
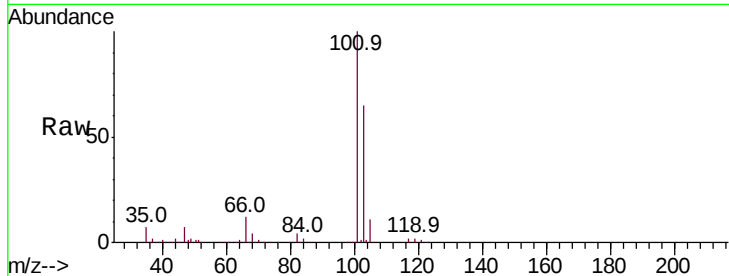
Trichlorofluoromethane
 Concen: 37.631 ug/l
 RT: 1.93 min Scan# 128
 Delta R.T. 0.00 min
 Lab File: VX007922.D
 Acq: 08 Mar 2019 10:47

Instrument :
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 VSTDIC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	50.4	75.6

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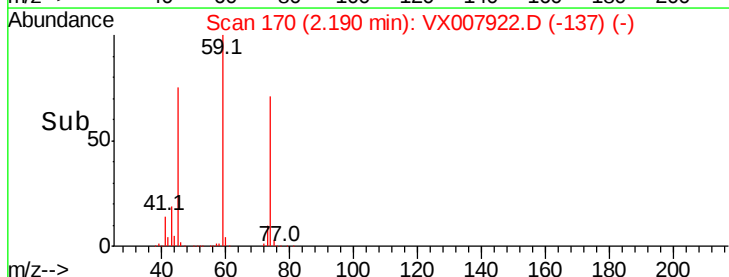
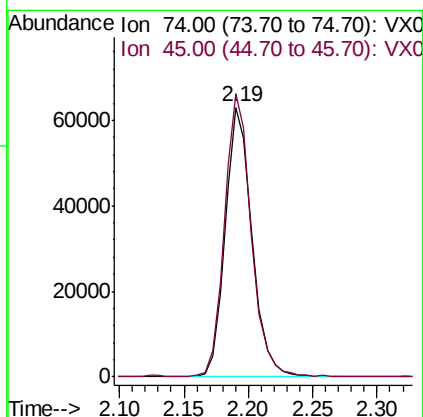
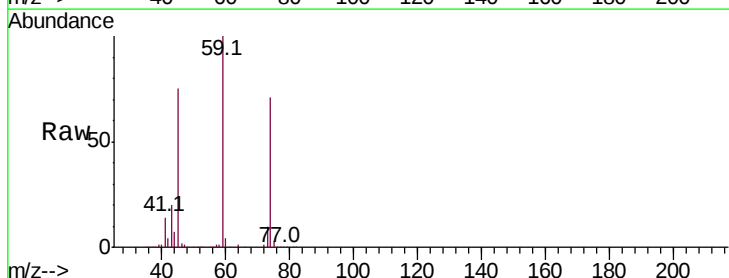
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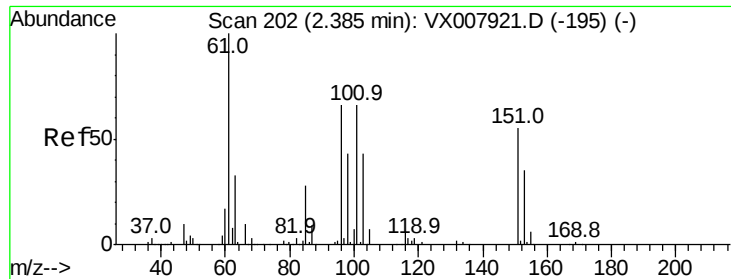


#8

Diethyl Ether
 Concen: 51.339 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX007922.D
 Acq: 08 Mar 2019 10:47

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.1	18.6	167.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.993 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX007922.D

Acq: 08 Mar 2019 10:47

Instrument :

MSVOA_X

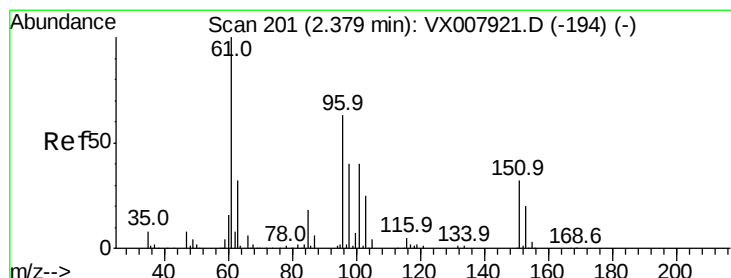
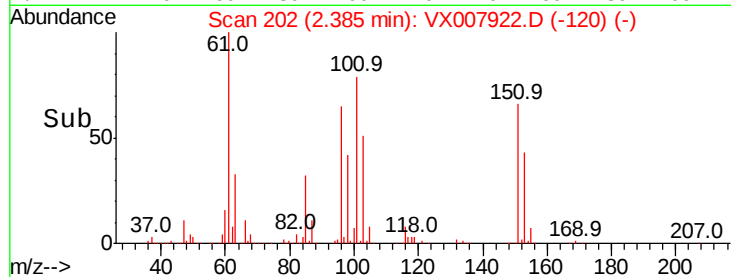
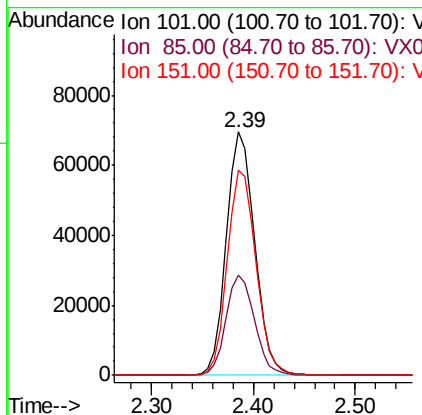
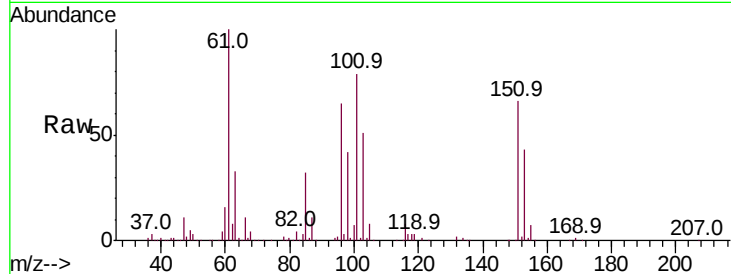
ClientSampleId :

VSTDIC050

Tot Ion:	101	Resp:	134191
Ion Ratio	Lower	Upper	
101	100		
85	41.6	0.0	86.8
151	85.2	0.0	169.2

Manual Integrations
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3/11/2019 9:30:52 AM



#10

1,1-Dichloroethene

Concen: 50.393 ug/l

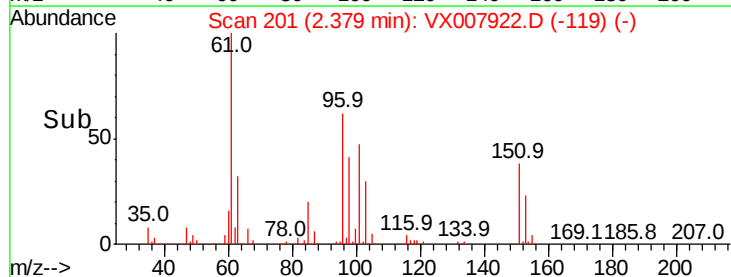
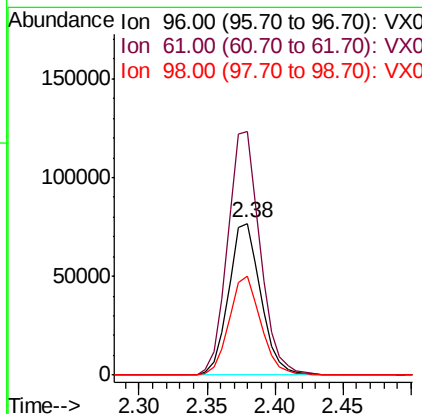
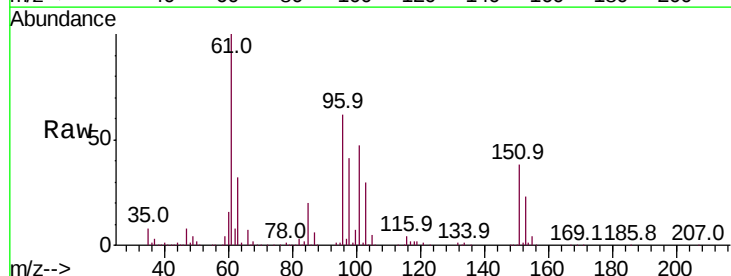
RT: 2.38 min Scan# 201

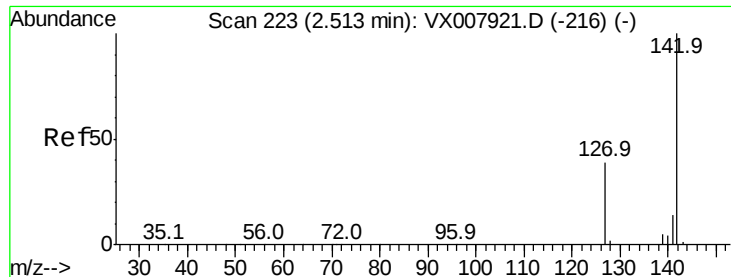
Delta R.T. 0.00 min

Lab File: VX007922.D

Acq: 08 Mar 2019 10:47

Tgt Ion:	96	Resp:	126624
Ion Ratio	Lower	Upper	
96	100		
61	160.0	120.2	180.2
98	65.0	49.0	73.4





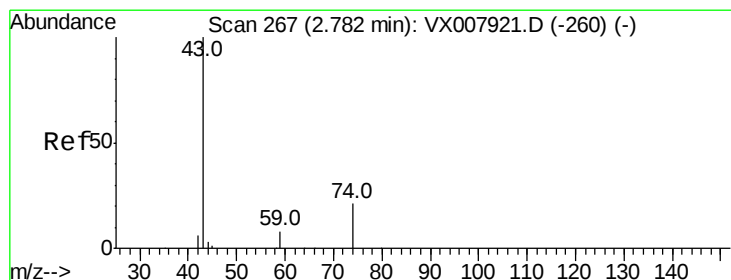
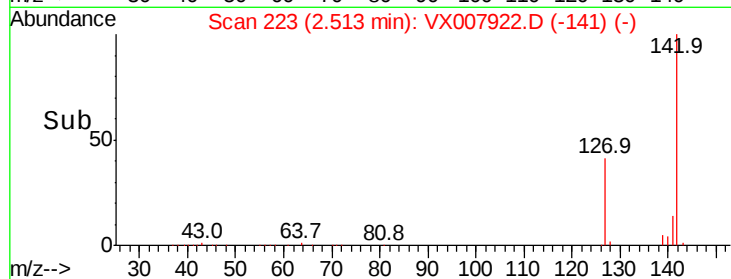
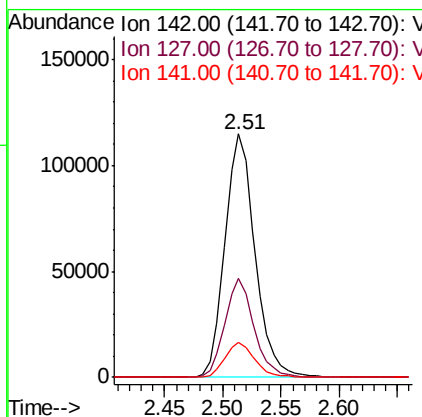
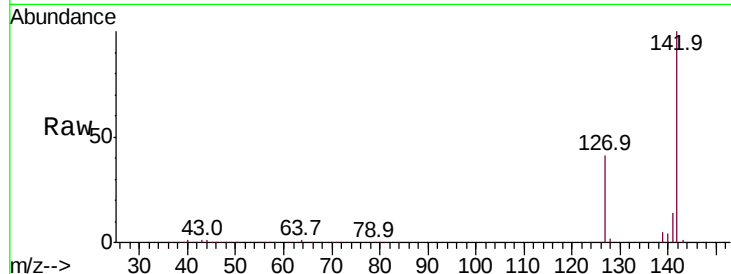
#11
Methyl Iodide
Concen: 57.134 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.00 min
Lab File: VX007922.D
Acq: 08 Mar 2019 10:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
142	100		
127	40.8	22.1	66.5
141	14.4	7.4	22.3

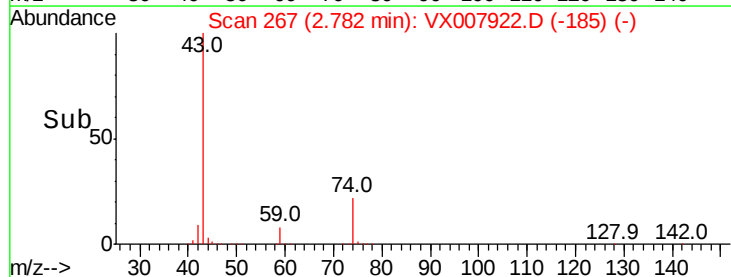
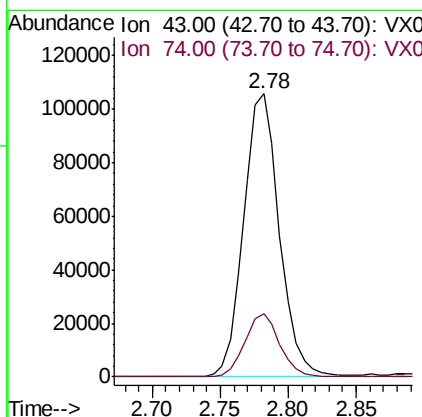
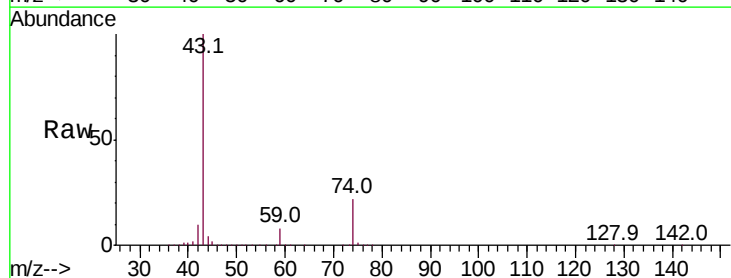
Manual Integrations
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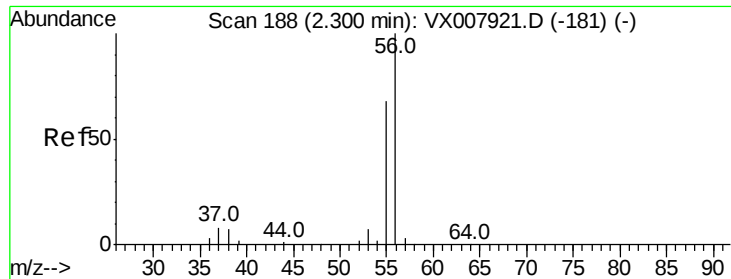
MMDadoda
3/11/2019 9:30:52 AM



#12
Methyl Acetate
Concen: 55.711 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX007922.D
Acq: 08 Mar 2019 10:47

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.1	19.4	29.0





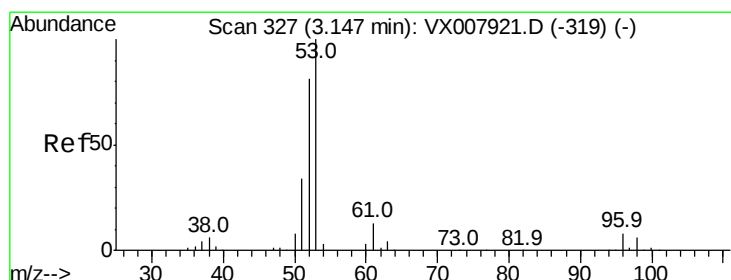
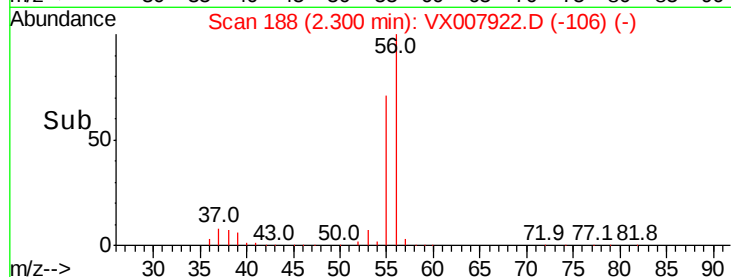
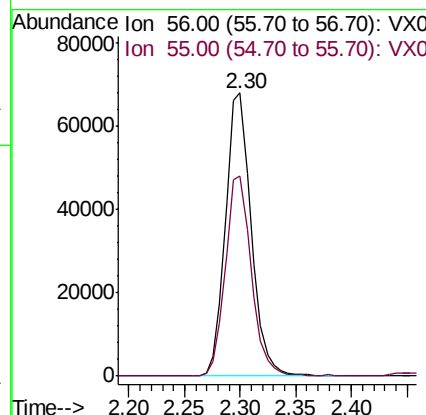
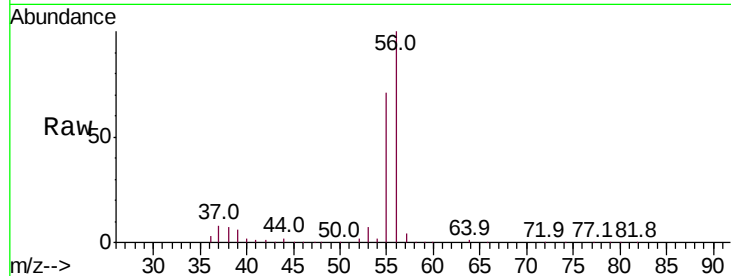
#13
Acrolein
Concen: 181.027 ug/l
RT: 2.30 min Scan# 188
Delta R.T. 0.00 min
Lab File: VX007922.D
Acq: 08 Mar 2019 10:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	56	55	Ratio	100	70.4	Resp	109425	Lower	58.6	Upper	87.8
Ion											

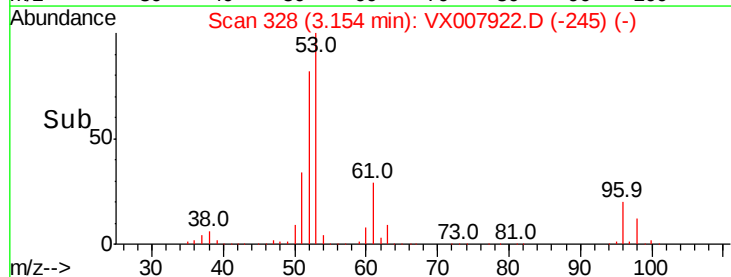
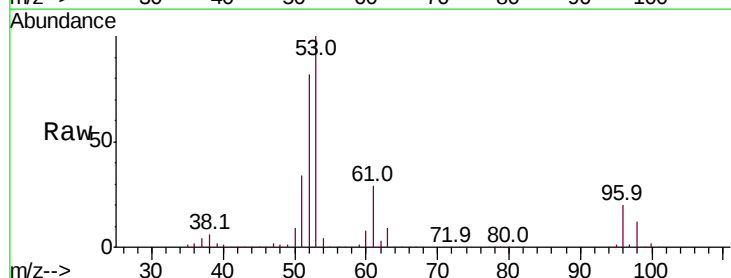
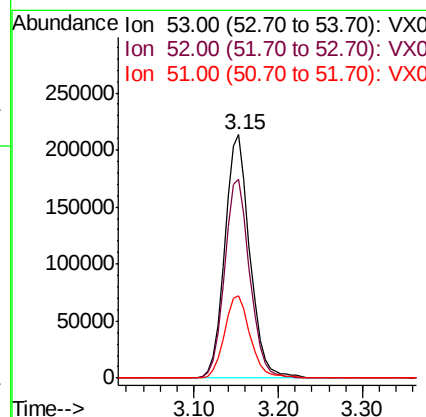
Manual Integrations
APPROVED

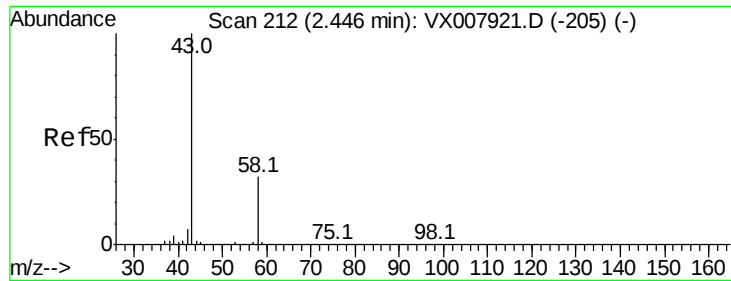
MMDadoda
3/11/2019 9:30:52 AM



#14
Acrylonitrile
Concen: 269.959 ug/l
RT: 3.15 min Scan# 328
Delta R.T. 0.01 min
Lab File: VX007922.D
Acq: 08 Mar 2019 10:47

Tgt Ion	53	52	51	Ratio	100	82.5	35.3	Resp	431029	Lower	41.3	17.5	Upper	124.1	52.6
Ion															





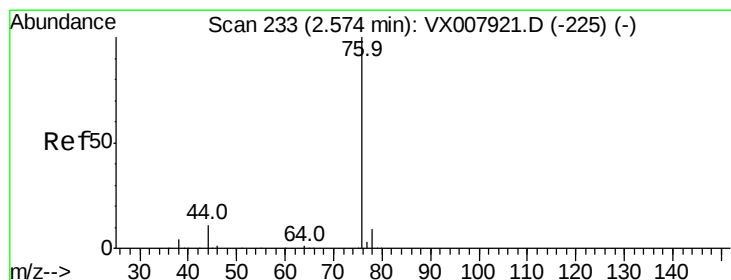
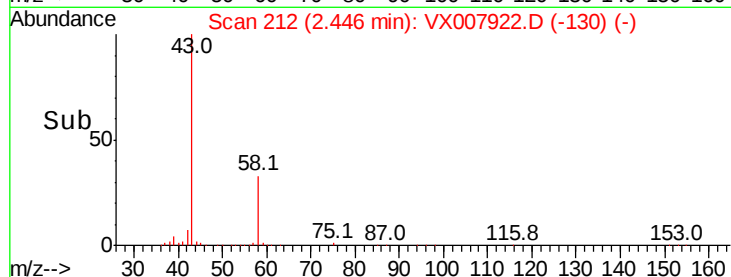
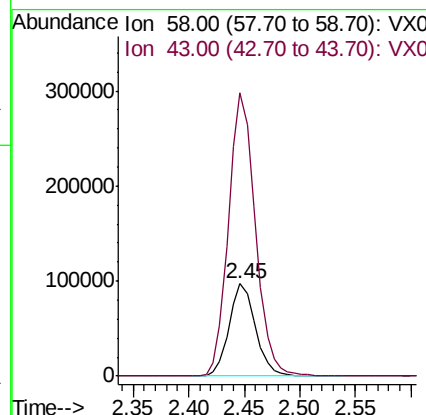
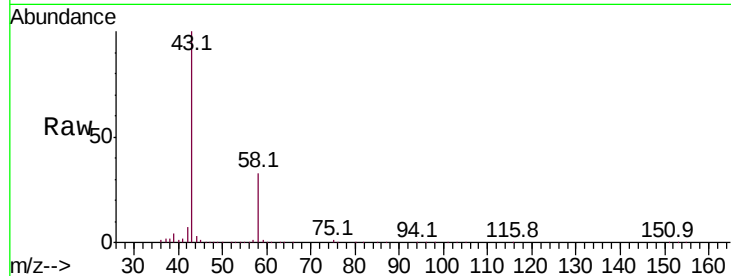
#15
Acetone
Concen: 367.177 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX007922.D
Acq: 08 Mar 2019 10:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion: 58 Resp: 159102
Ion Ratio Lower Upper
58 100
43 307.5 249.8 374.6

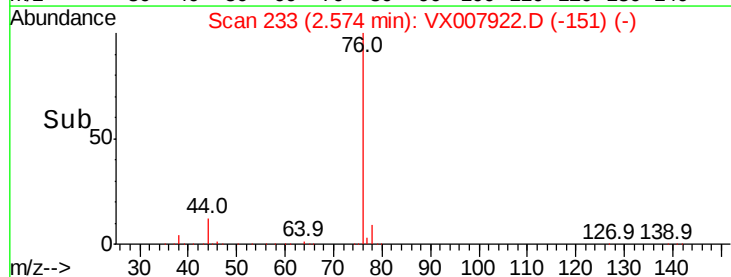
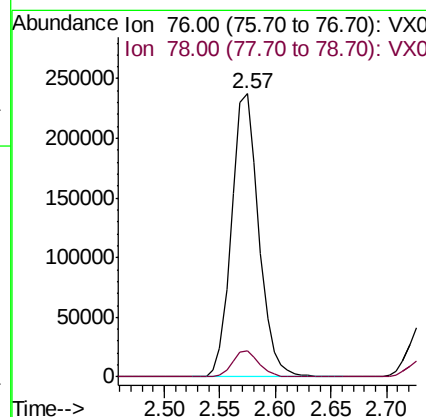
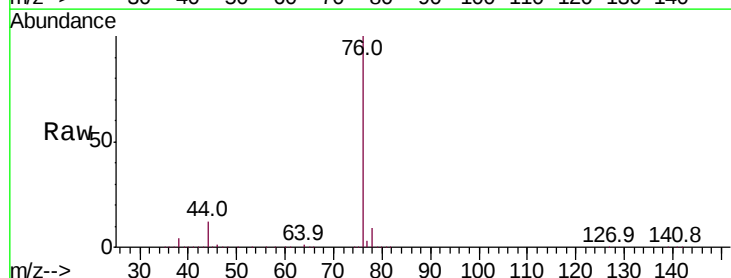
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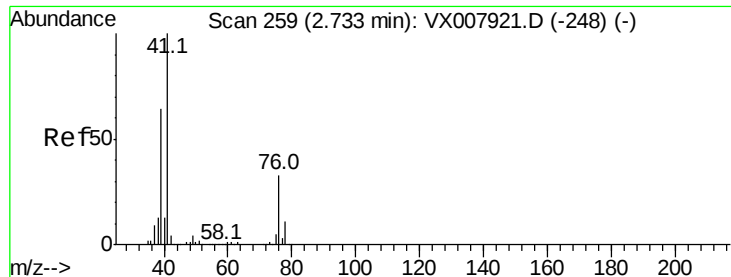
MMDadoda
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#16
Carbon Disulfide
Concen: 60.478 ug/l
RT: 2.57 min Scan# 233
Delta R.T. 0.00 min
Lab File: VX007922.D
Acq: 08 Mar 2019 10:47

Tgt Ion: 76 Resp: 402986
Ion Ratio Lower Upper
76 100
78 9.2 7.5 11.3





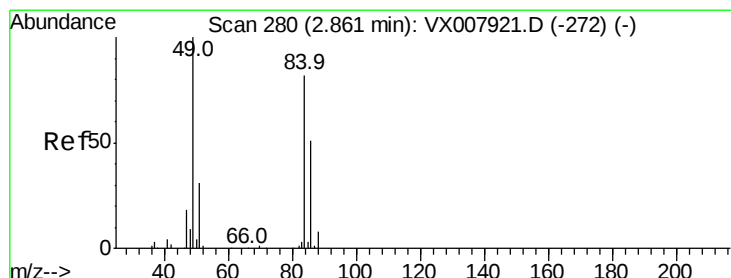
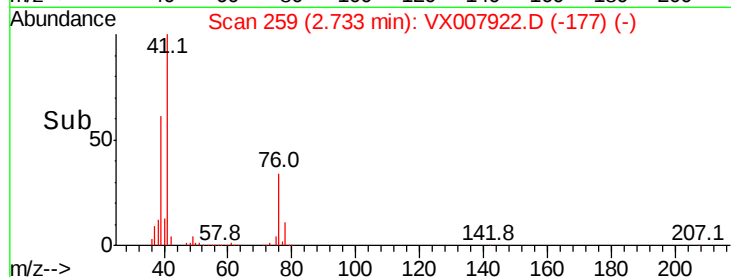
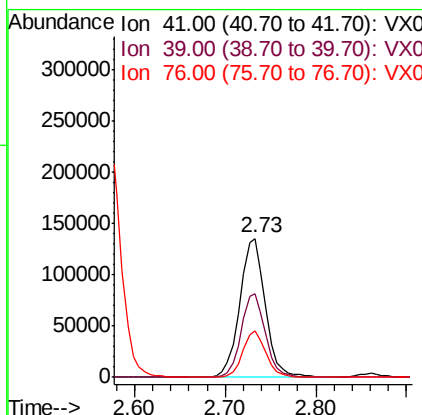
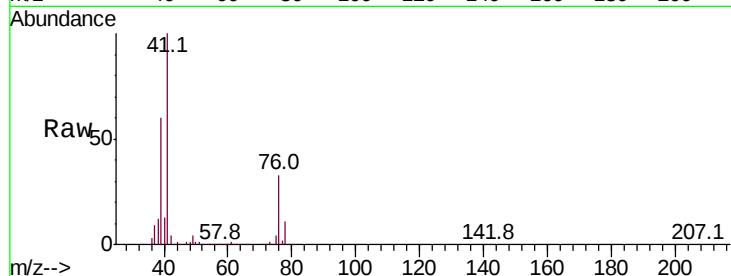
#17
Allvl chloride
Concen: 61.032 ug/l
RT: 2.73 min Scan# 259
Delta R.T. 0.00 min
Lab File: VX007922.D
Acq: 08 Mar 2019 10:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
41	100	262748		
39	60.4		35.8	107.4
76	33.4		18.3	54.9

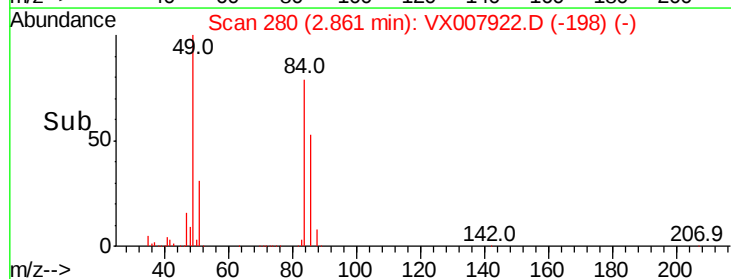
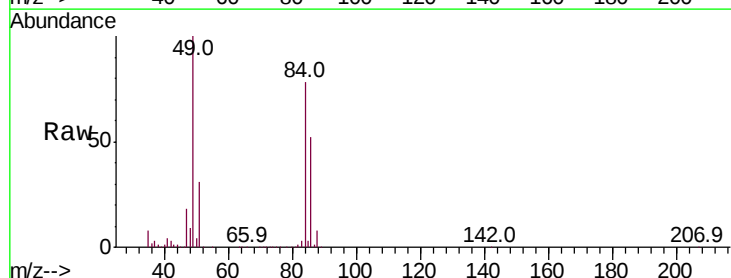
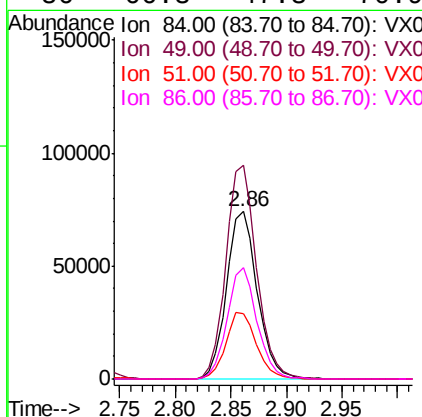
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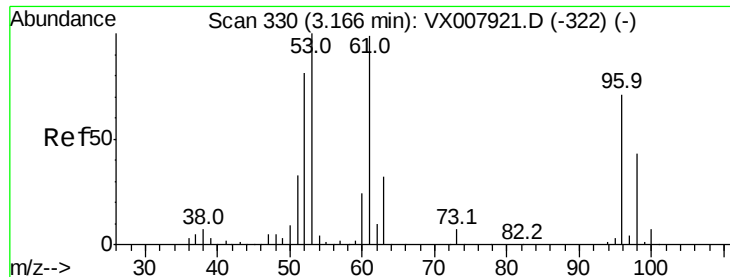
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#18
Methylene Chloride
Concen: 50.222 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007922.D
Acq: 08 Mar 2019 10:47

Tgt Ion	Ratio	Resp	Lower	Upper
84	100	141913		
49	127.4		96.1	144.1
51	39.1		29.1	43.7
86	66.3		47.3	70.9





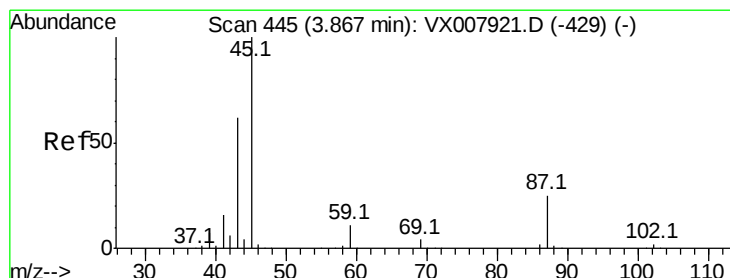
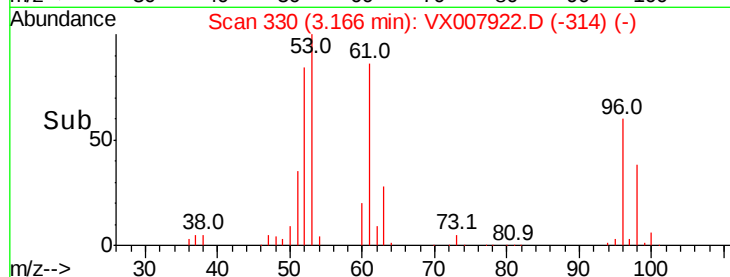
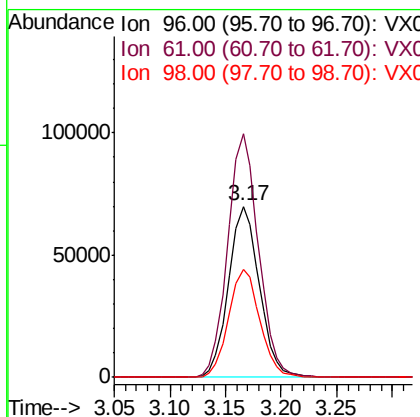
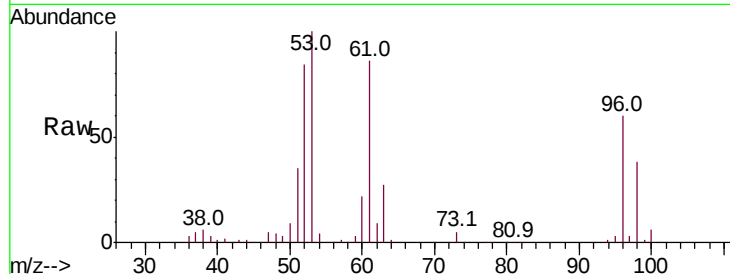
#19
trans-1,2-Dichloroethene
Concen: 49.977 ug/l
RT: 3.17 min Scan# 330
Delta R.T. 0.00 min
Lab File: VX007922.D
Acq: 08 Mar 2019 10:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.6	109.9	164.9
98	63.4	50.4	75.6

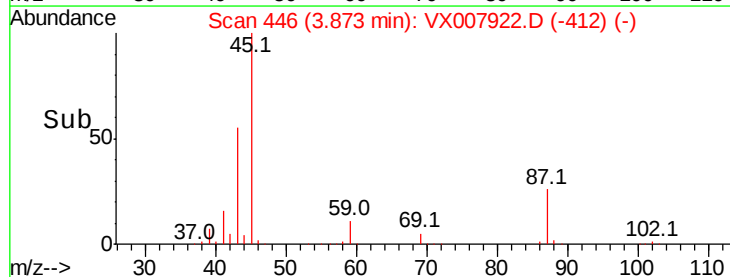
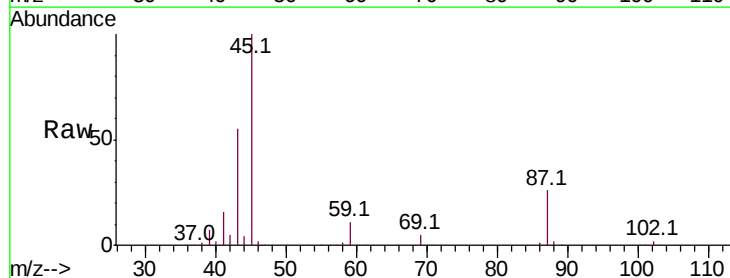
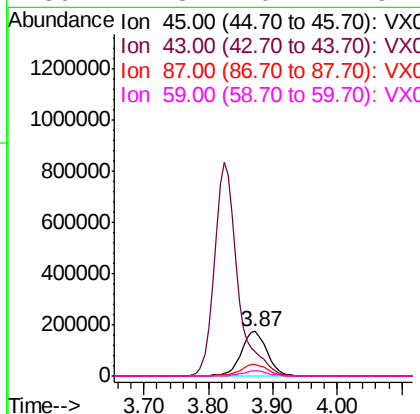
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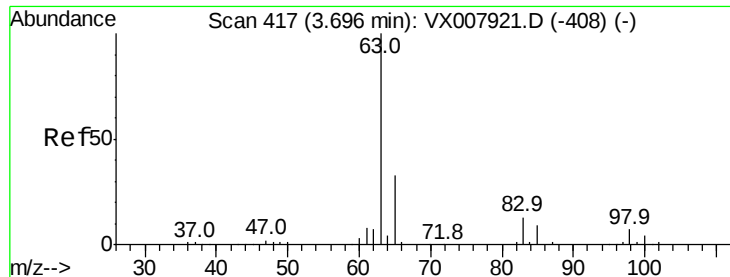
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#20
Diisopropyl ether
Concen: 58.674 ug/l
RT: 3.87 min Scan# 446
Delta R.T. 0.01 min
Lab File: VX007922.D
Acq: 08 Mar 2019 10:47

Tgt Ion	Ratio	Lower	Upper
45	100		
43	54.7	50.6	76.0
87	26.4	24.5	36.7
59	11.3	10.2	15.2





#21

1,1-Dichloroethane

Concen: 56.513 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX007922.D

Acq: 08 Mar 2019 10:47

Instrument :

MSVOA_X

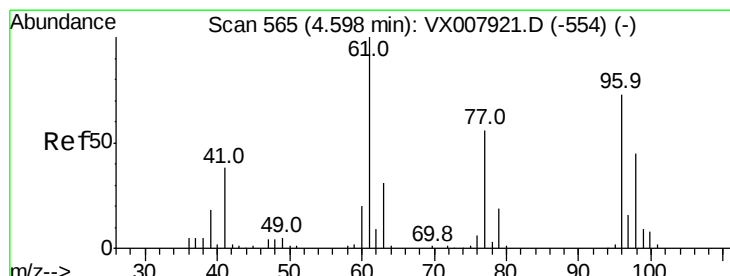
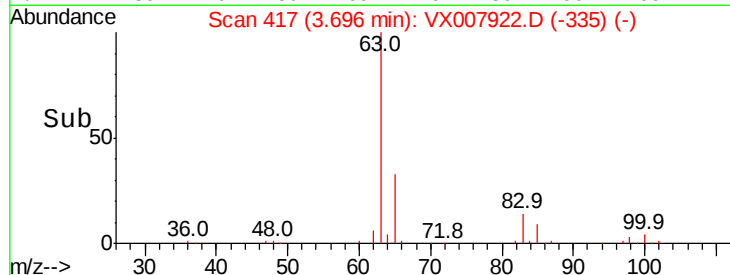
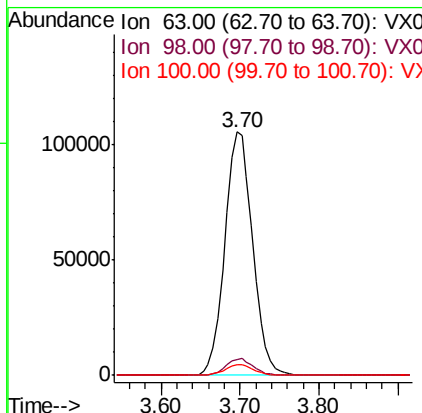
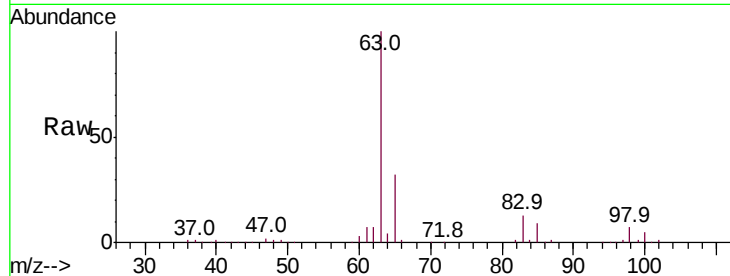
ClientSampleId :

VSTDIC050

Tot Ion:	63	Resp:	257770
Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.8	11.4
100	4.5	2.4	7.1

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 51.587 ug/l

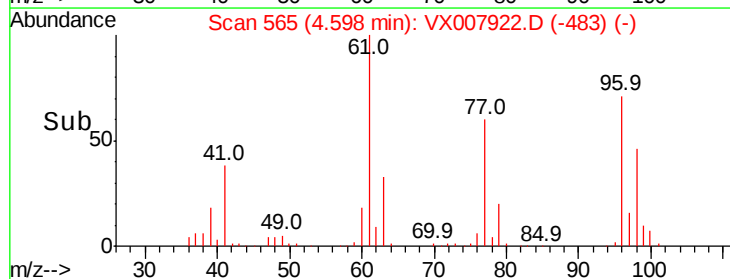
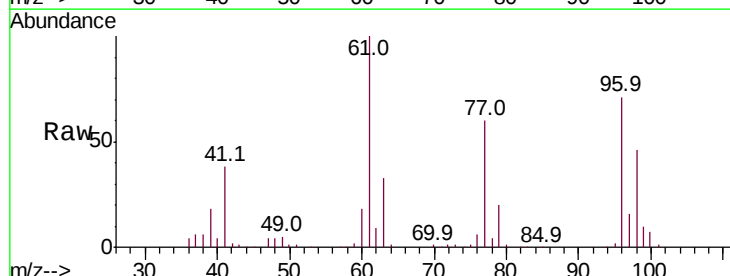
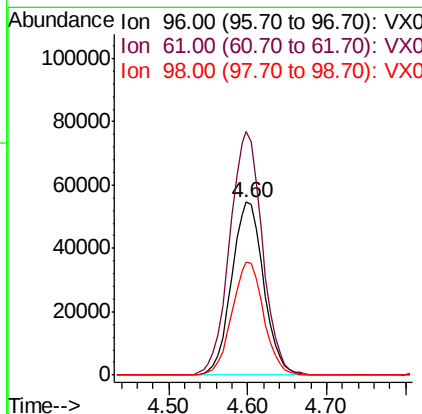
RT: 4.60 min Scan# 565

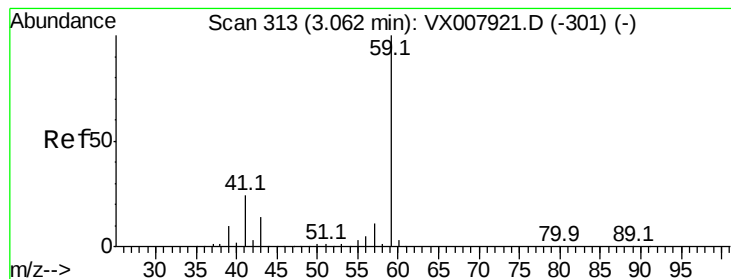
Delta R.T. 0.00 min

Lab File: VX007922.D

Acq: 08 Mar 2019 10:47

Tgt Ion:	96	Resp:	154287
Ion	Ratio	Lower	Upper
96	100		
61	143.5	103.5	155.3
98	64.6	52.1	78.1





#23

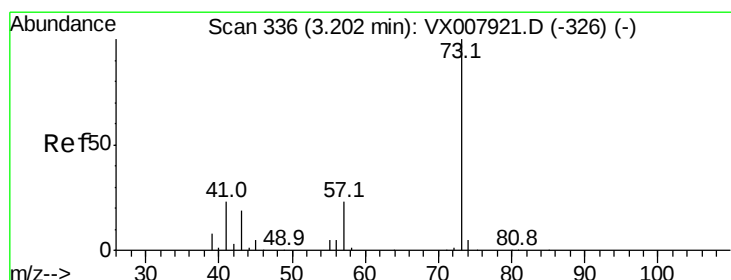
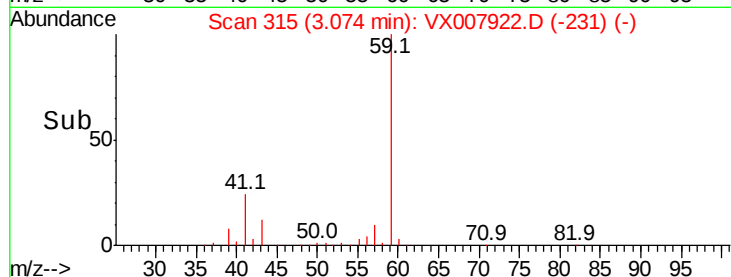
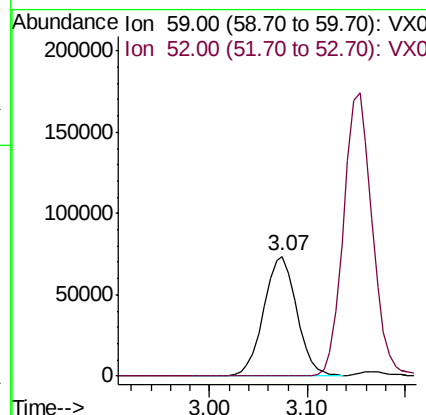
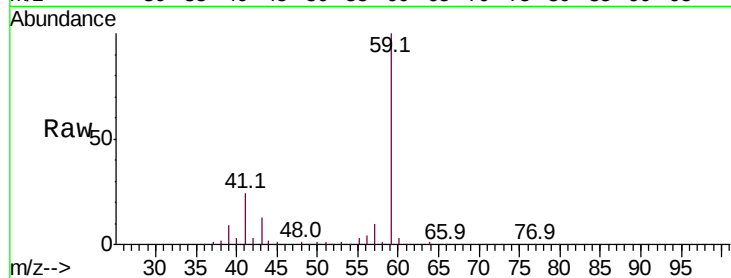
tert-Butyl Alcohol
 Concen: 258.961 ug/l
 RT: 3.07 min Scan# 315
 Delta R.T. 0.01 min
 Lab File: VX007922.D
 Acq: 08 Mar 2019 10:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.1	0.2	0.2#

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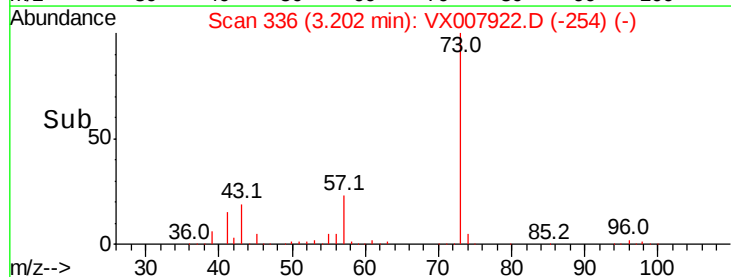
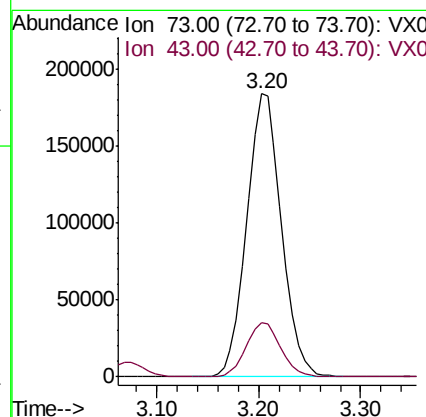
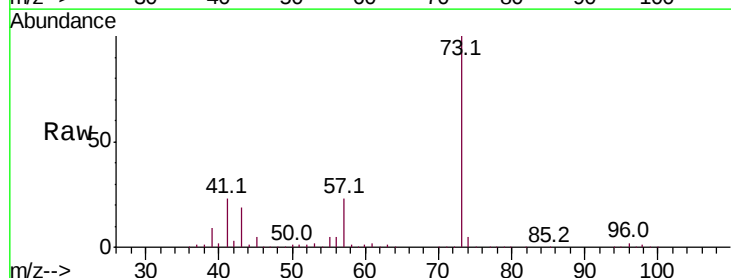
MMDadoda
 3/11/2019 9:30:52 AM

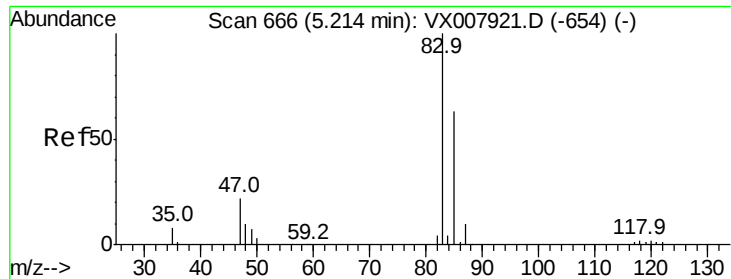


#24

Methyl tert-Butyl Ether
 Concen: 49.877 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. 0.00 min
 Lab File: VX007922.D
 Acq: 08 Mar 2019 10:47

Tgt Ion	Ratio	Lower	Upper
73	100		
43	19.0	17.1	25.7





#25

Chloroform

Concen: 50.297 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.00 min

Lab File: VX007922.D

Acq: 08 Mar 2019 10:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 83 Resp: 242299

Ion Ratio Lower Upper

83 100

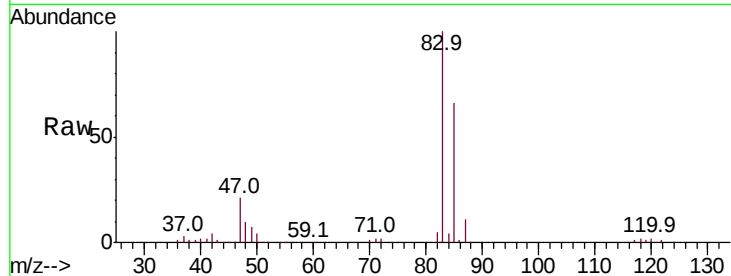
85 65.9 53.8 80.6

Manual Integrations

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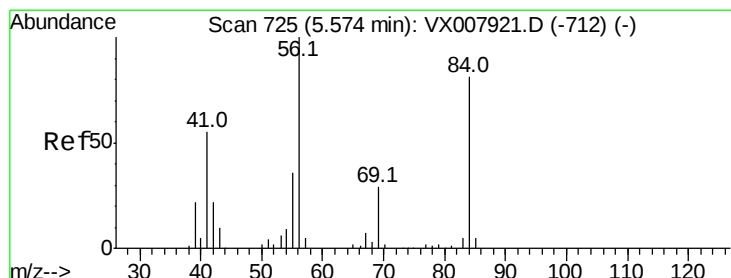
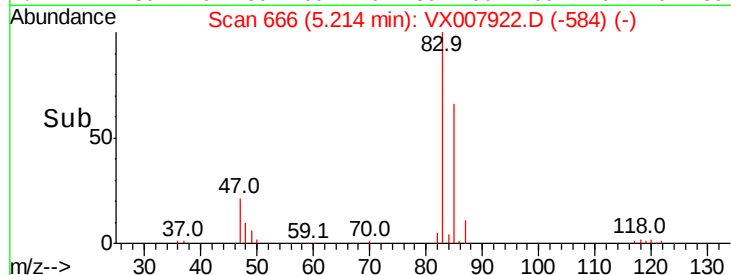
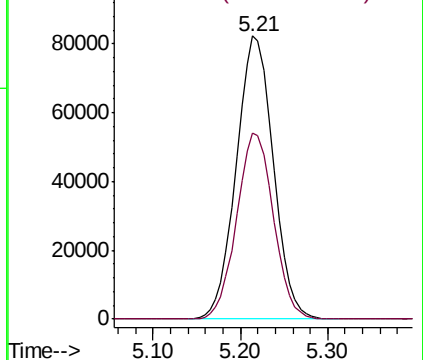
MMDadoda

3/11/2019 9:30:52 AM



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#26

Cyclohexane

Concen: 63.279 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX007922.D

Acq: 08 Mar 2019 10:47

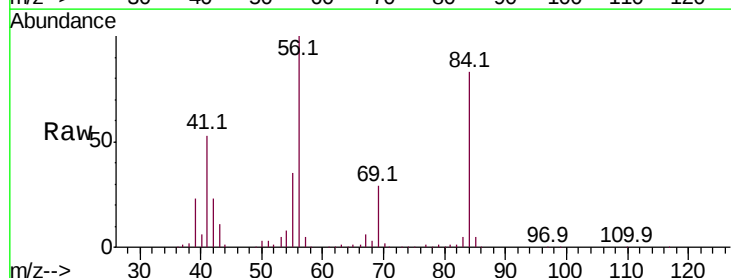
Tgt Ion: 56 Resp: 242029

Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

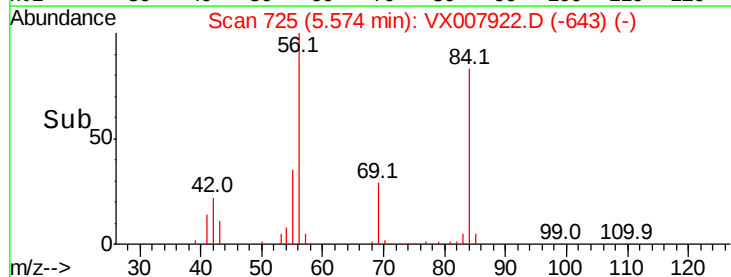
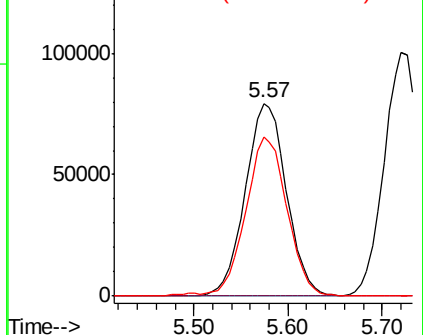
84 82.7 73.9 110.9

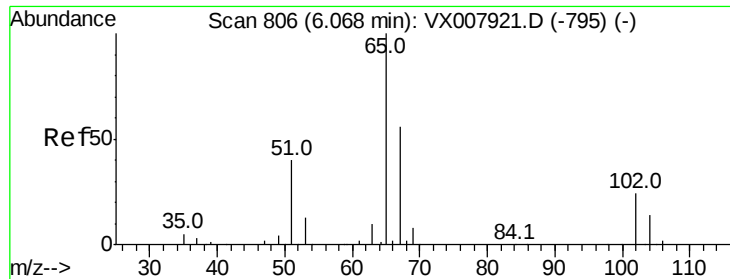


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





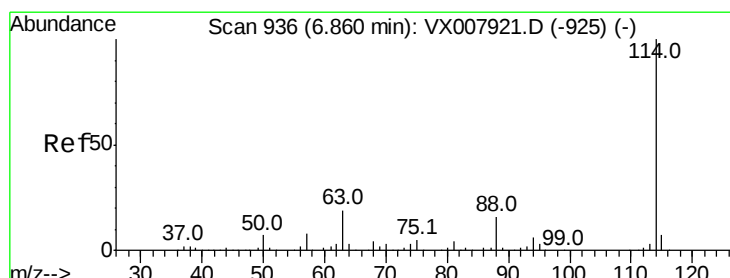
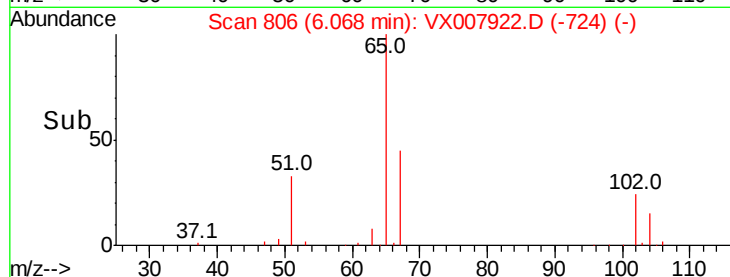
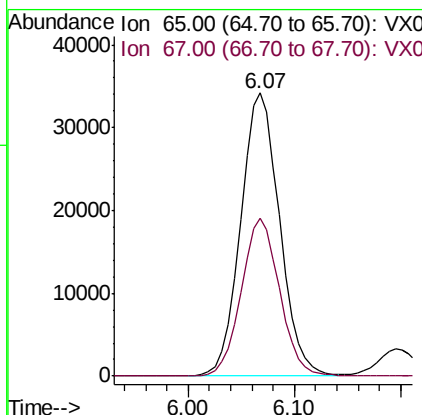
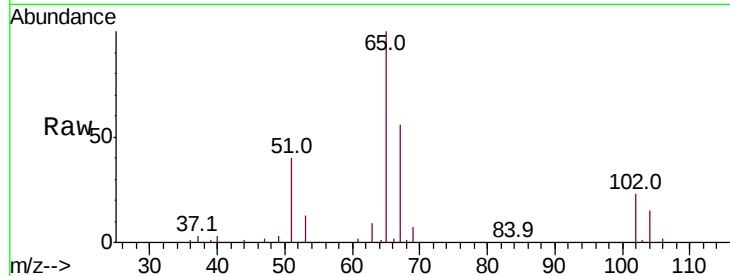
#27
 1,2-Dichloroethane-d4
 Concen: 29.677 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX007922.D
 Acq: 08 Mar 2019 10:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.8	42.9	64.3

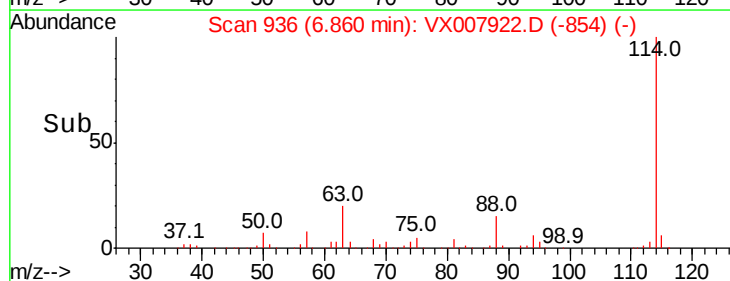
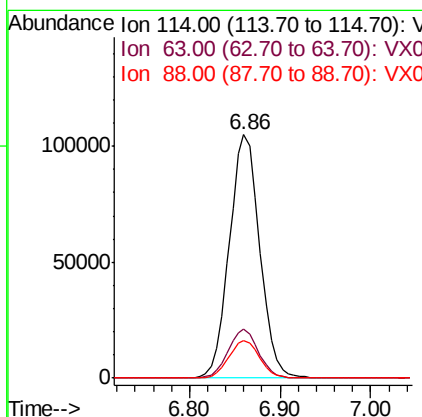
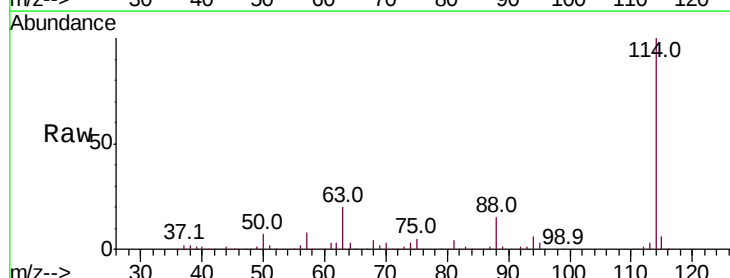
Manual Integrations
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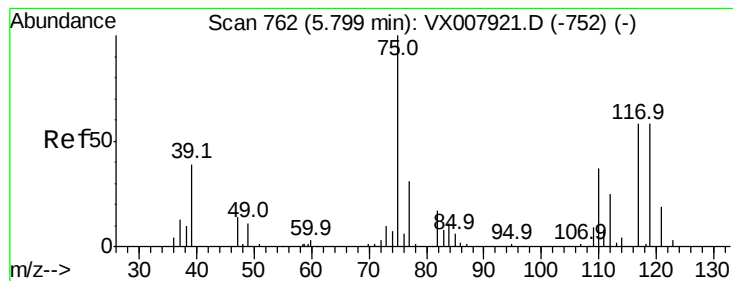
MMDadoda
 3/11/2019 9:30:52 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007922.D
 Acq: 08 Mar 2019 10:47

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.9	14.2	21.4
88	15.6	11.9	17.9





#29

1,1-Dichloropropene

Concen: 55.403 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.00 min

Lab File: VX007922.D

Acq: 08 Mar 2019 10:47

Instrument :

MSVOA_X

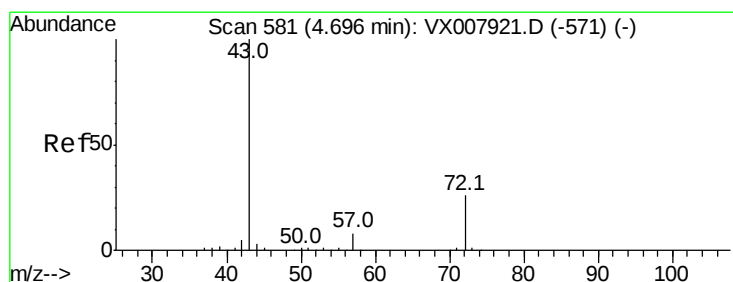
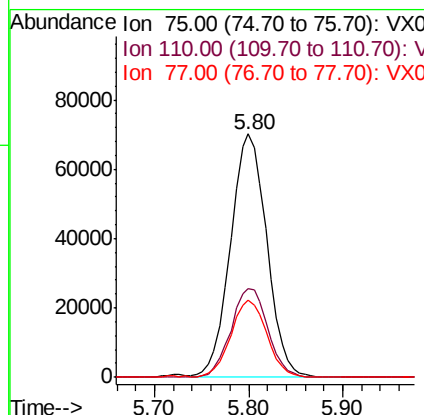
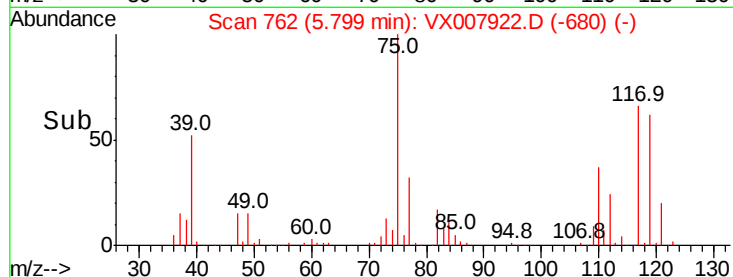
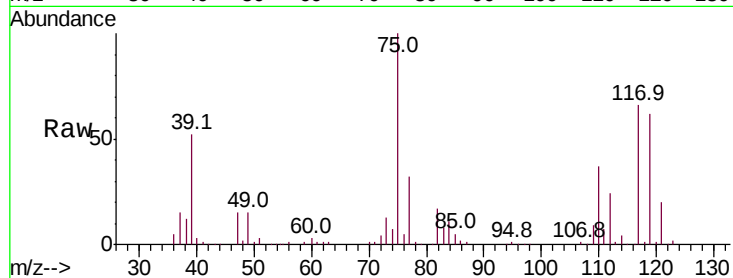
ClientSampleId :

VSTDIC050

Tot Ion:	75	Resp:	188782
Ion Ratio	Lower	Upper	
75	100		
110	37.0	0.0	80.8
77	31.5	0.0	62.4

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#30

2-Butanone

Concen: 324.027 ug/l

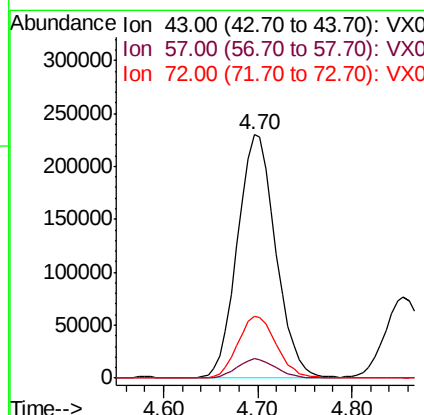
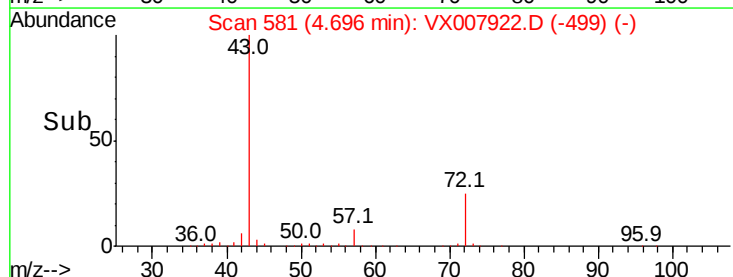
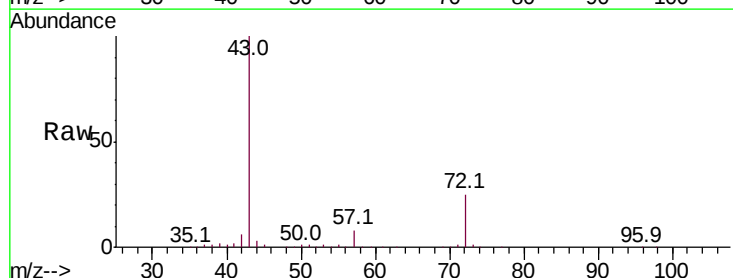
RT: 4.70 min Scan# 581

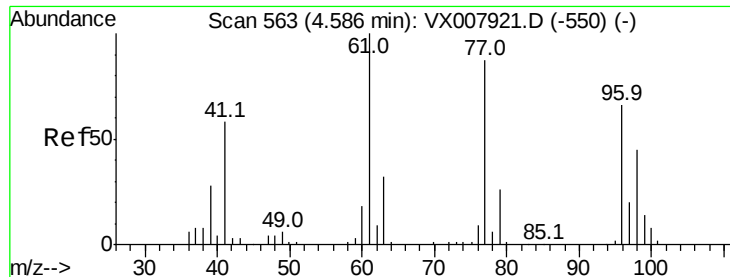
Delta R.T. 0.00 min

Lab File: VX007922.D

Acq: 08 Mar 2019 10:47

Tgt Ion:	43	Resp:	653397
Ion Ratio	Lower	Upper	
43	100		
57	7.9	7.0	10.6
72	25.6	21.5	32.3





#31

2,2-Dichloropropane

Concen: 63.183 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX007922.D

Acq: 08 Mar 2019 10:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 77 Resp: 174914

Ion Ratio Lower Upper

77 100

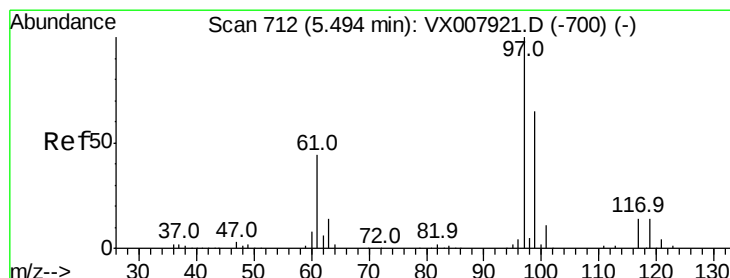
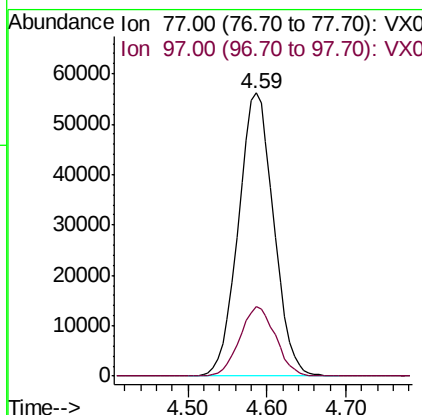
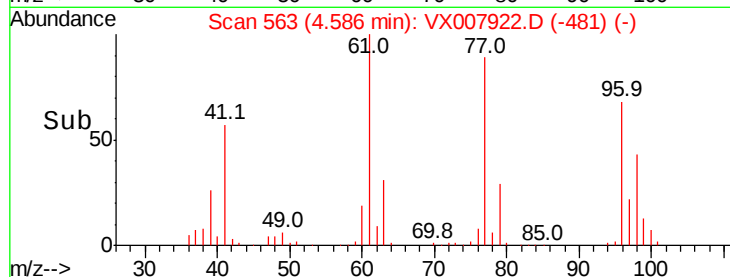
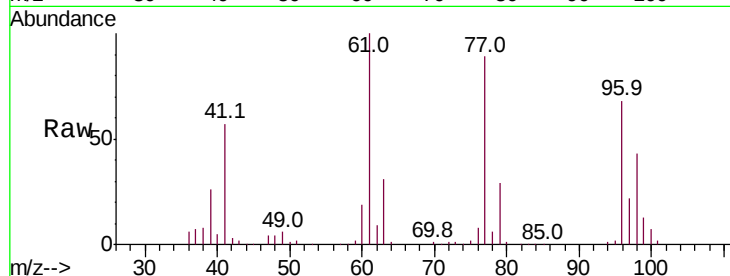
97 24.9 20.6 31.0

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 50.271 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX007922.D

Acq: 08 Mar 2019 10:47

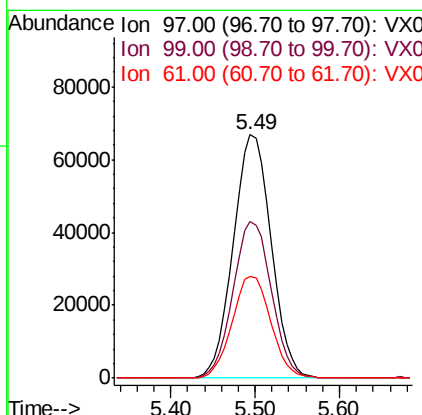
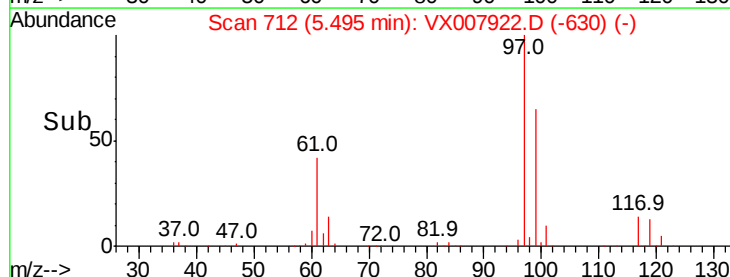
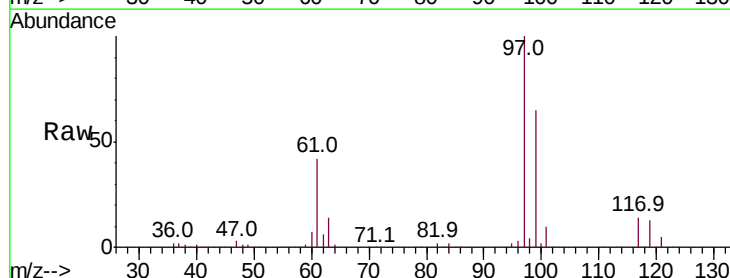
Tgt Ion: 97 Resp: 204744

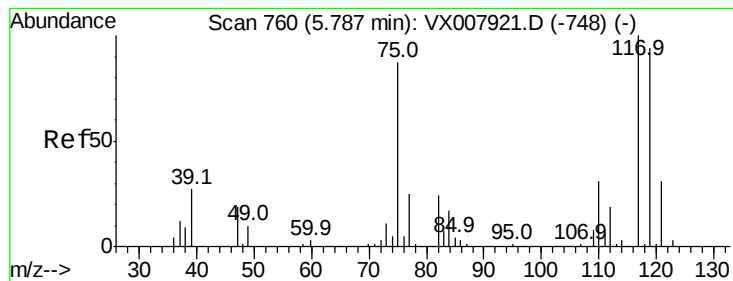
Ion Ratio Lower Upper

97 100

99 64.8 51.7 77.5

61 42.6 32.8 49.2





#33

Carbon Tetrachloride

Concen: 50.747 ug/l

RT: 5.79 min Scan# 760

Delta R.T. 0.00 min

Lab File: VX007922.D

Acq: 08 Mar 2019 10:47

Instrument :

MSVOA_X

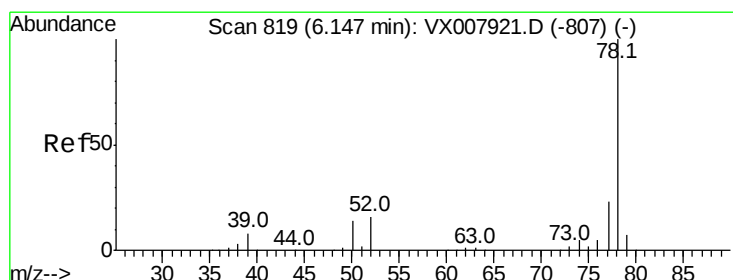
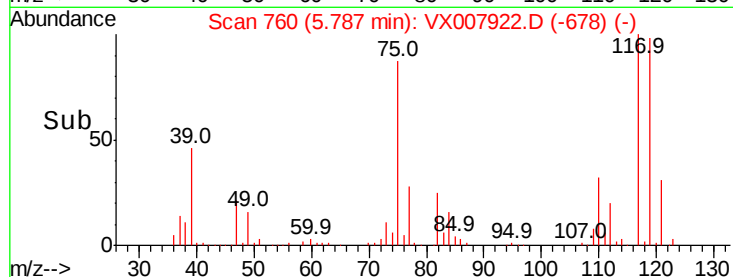
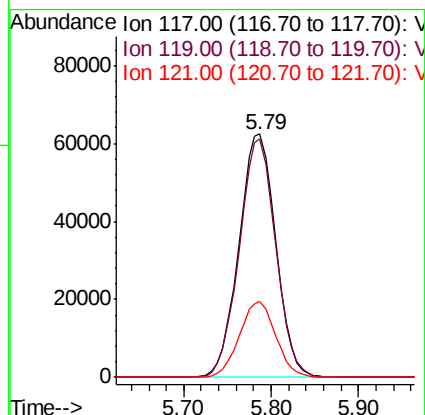
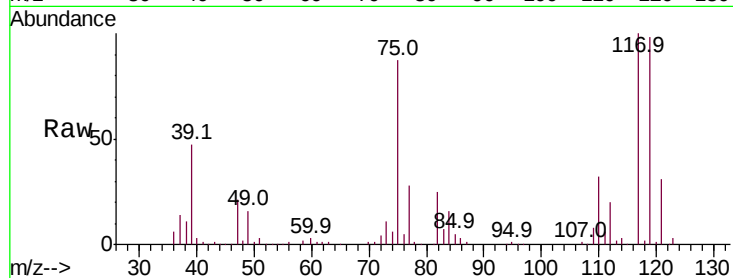
ClientSampleId :

VSTDIC050

Tot Ion:	117	Resp:	182705
Ion Ratio	Lower	Upper	
117	100		
119	98.0	78.1	117.1
121	31.2	27.0	40.6

Manual Integrations
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#34

Benzene

Concen: 53.829 ug/l

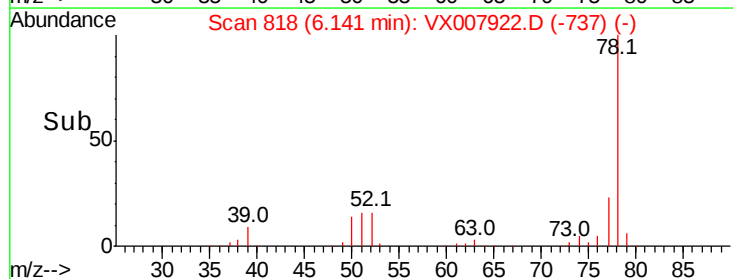
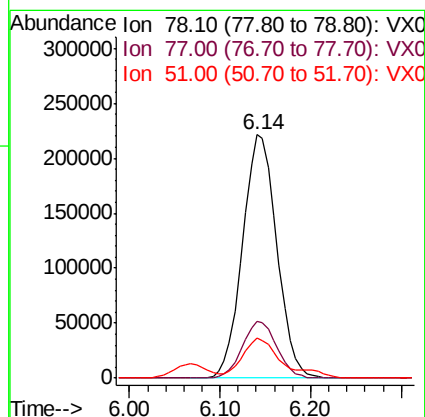
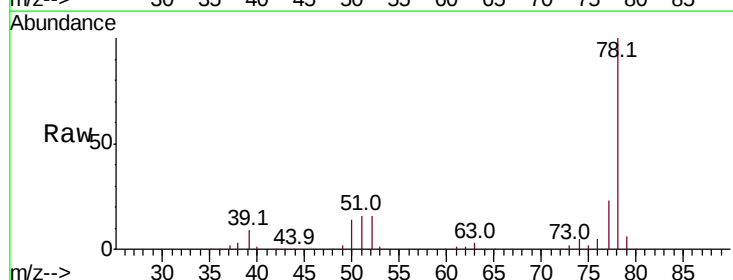
RT: 6.14 min Scan# 818

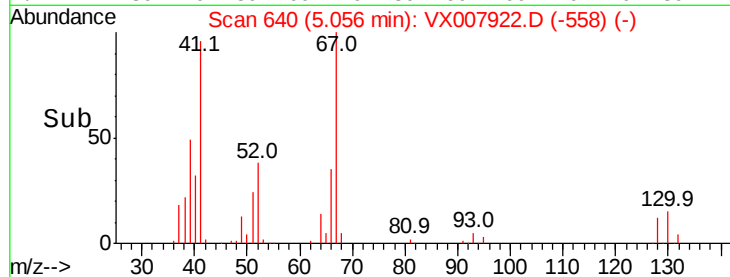
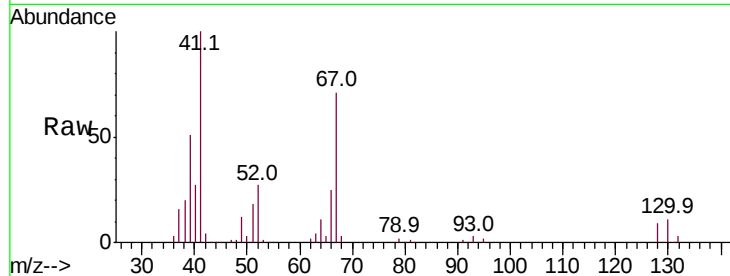
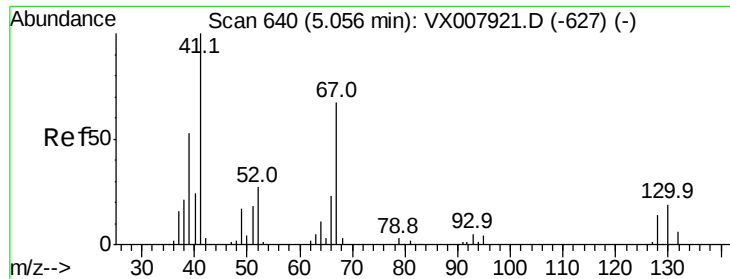
Delta R.T. -0.01 min

Lab File: VX007922.D

Acq: 08 Mar 2019 10:47

Tgt Ion:	78	Resp:	578219
Ion Ratio	Lower	Upper	
78	100		
77	23.4	19.1	28.7
51	15.8	10.8	16.2





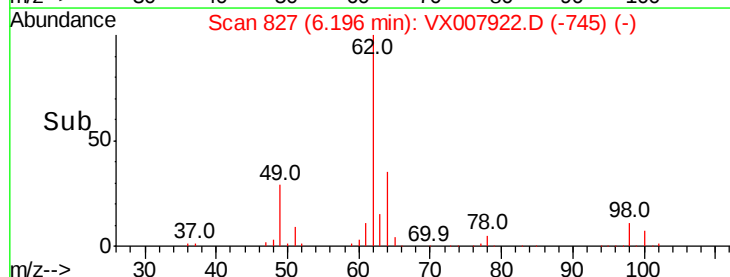
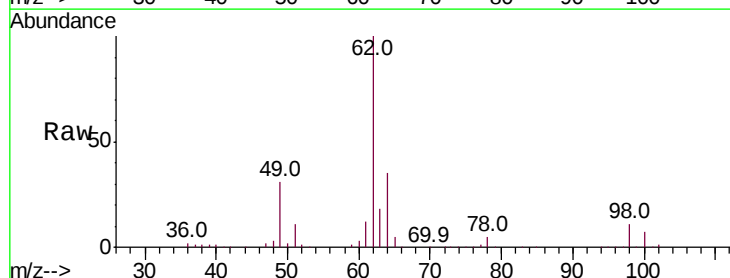
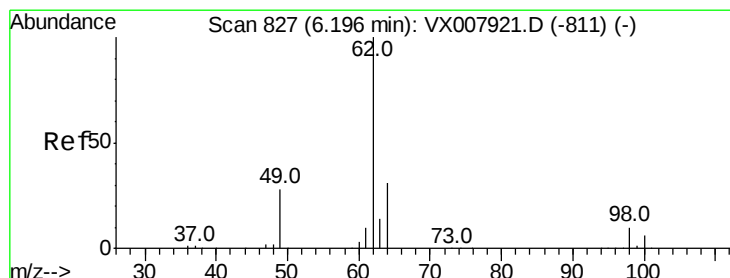
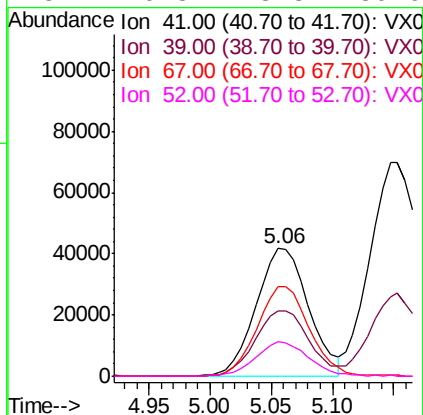
#35
Methacrylonitrile
Concen: 59.650 ug/l
RT: 5.06 min Scan# 640
Delta R.T. 0.00 min
Lab File: VX007922.D
Acq: 08 Mar 2019 10:47

Tot Ion	Ratio	Lower	Upper
41	100		
39	50.5	27.4	82.0
67	70.5	37.9	113.6
52	26.8	13.3	39.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

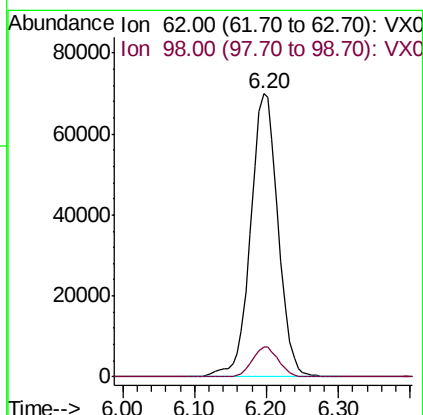
Manual Integrations
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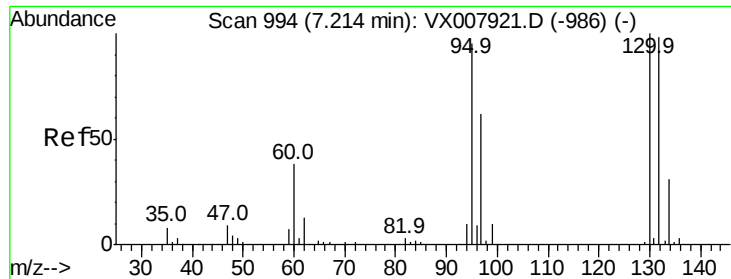
MMDadoda
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#36
1,2-Dichloroethane
Concen: 50.750 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX007922.D
Acq: 08 Mar 2019 10:47

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.1	7.8	11.8





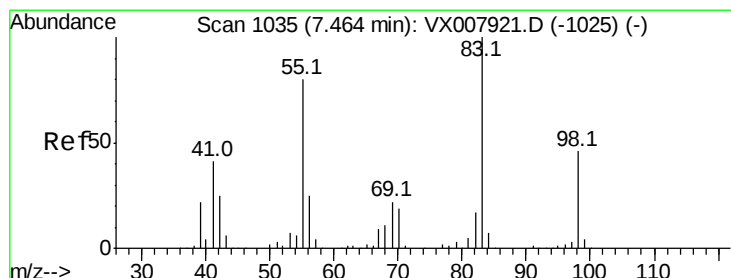
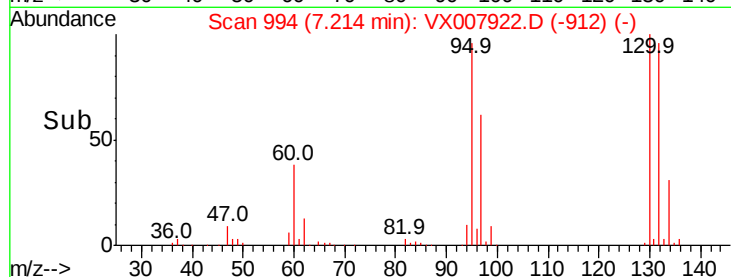
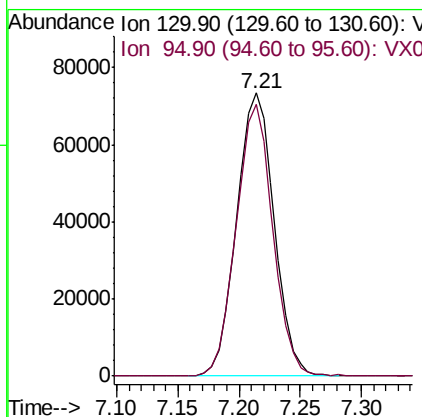
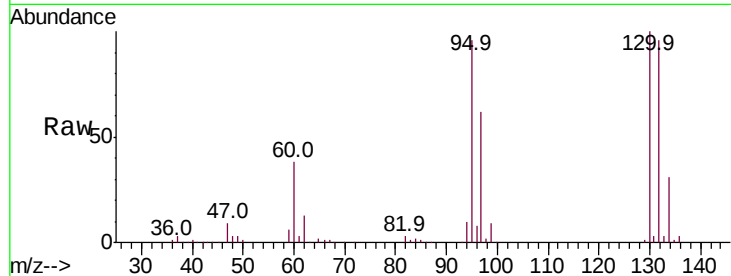
#37
 Trichloroethene
 Concen: 50.614 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX007922.D
 Acq: 08 Mar 2019 10:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion:130 Resp: 156314
 Ion Ratio Lower Upper
 130 100
 95 96.1 71.3 106.9

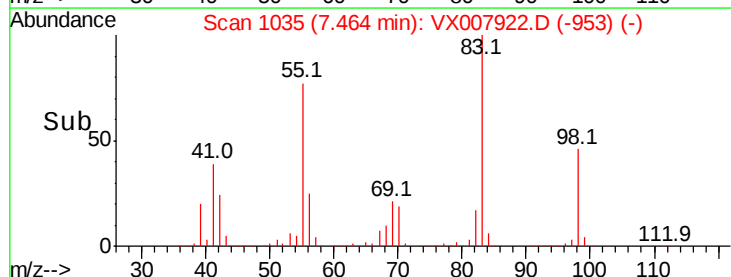
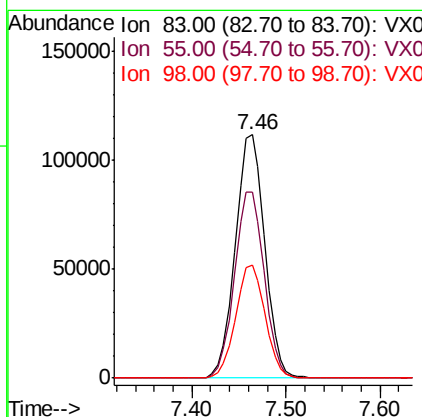
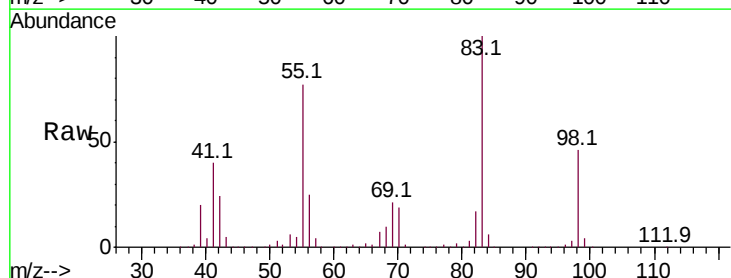
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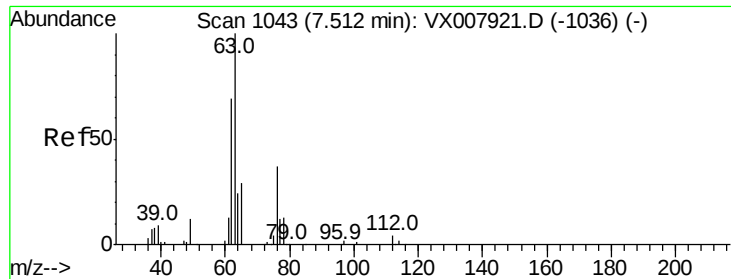
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 3/11/2019 9:30:52 AM



#38
 Methylcyclohexane
 Concen: 61.564 ug/l
 RT: 7.46 min Scan# 1035
 Delta R.T. 0.00 min
 Lab File: VX007922.D
 Acq: 08 Mar 2019 10:47

Tgt Ion: 83 Resp: 242836
 Ion Ratio Lower Upper
 83 100
 55 77.1 36.0 108.0
 98 46.6 23.8 71.4





#39

1,2-Dichloropropane

Concen: 57.101 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.01 min

Lab File: VX007922.D

Acq: 08 Mar 2019 10:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 63 Resp: 152566

Ion Ratio Lower Upper

63 100

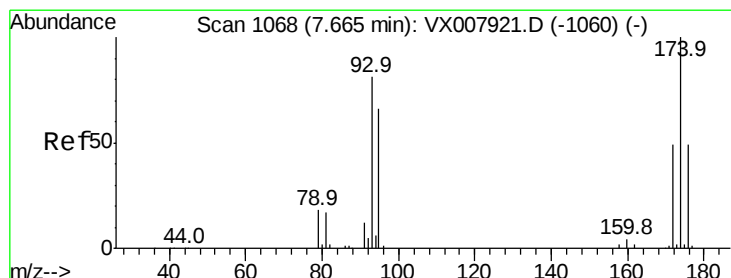
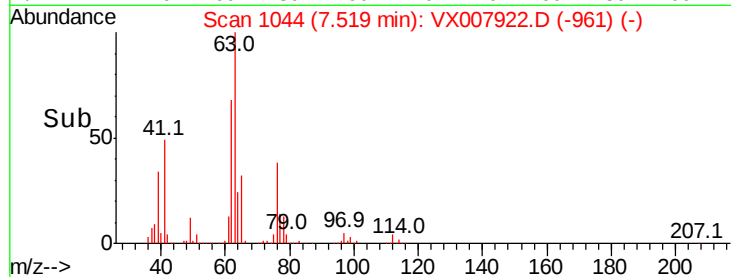
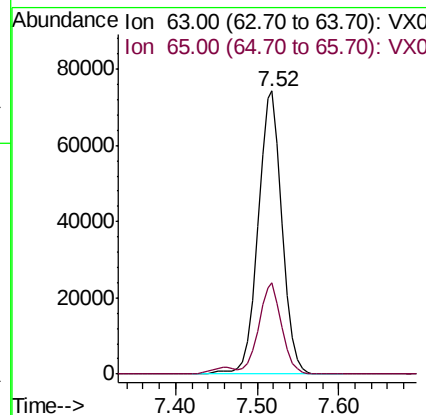
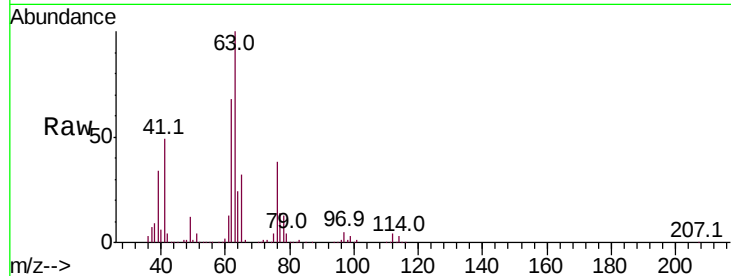
65 32.1 24.6 37.0

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#40

Dibromomethane

Concen: 49.580 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VX007922.D

Acq: 08 Mar 2019 10:47

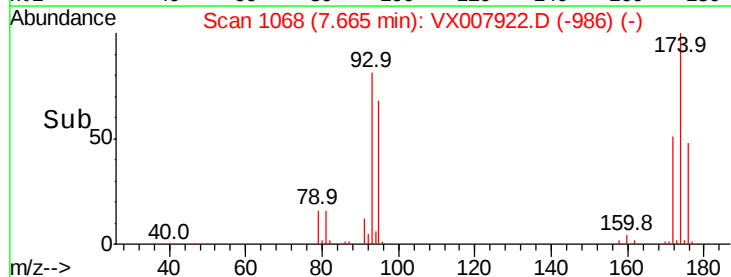
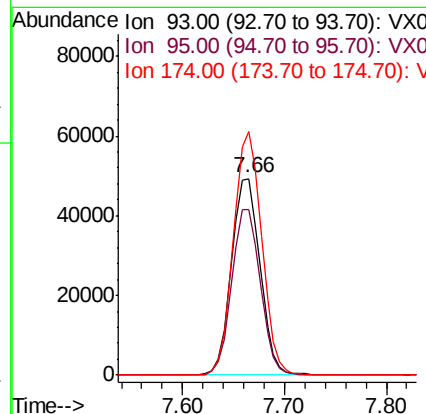
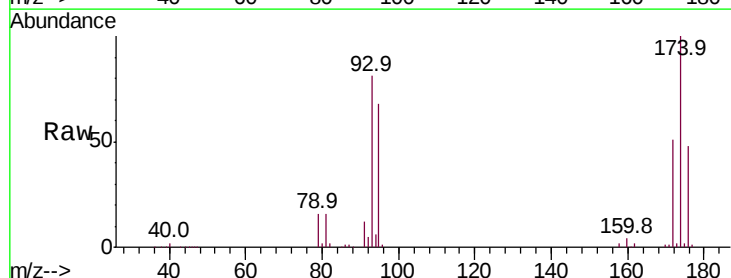
Tgt Ion: 93 Resp: 95672

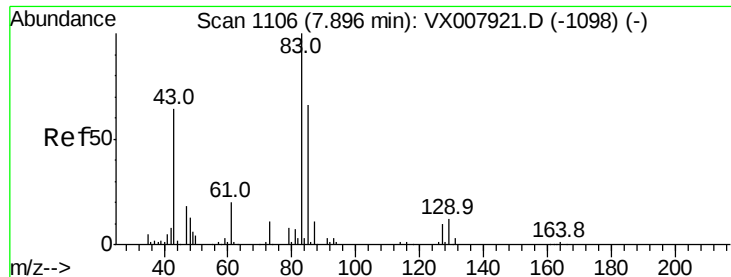
Ion Ratio Lower Upper

93 100

95 84.5 0.0 158.8

174 122.1 0.0 224.2





#41

Bromodichloromethane

Concen: 53.369 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX007922.D

Acq: 08 Mar 2019 10:47

Instrument :

MSVOA_X

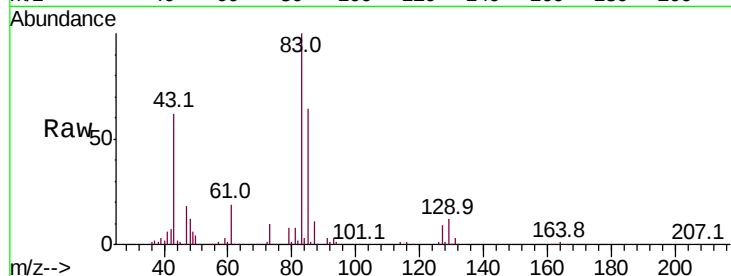
ClientSampleId :

VSTDIC050

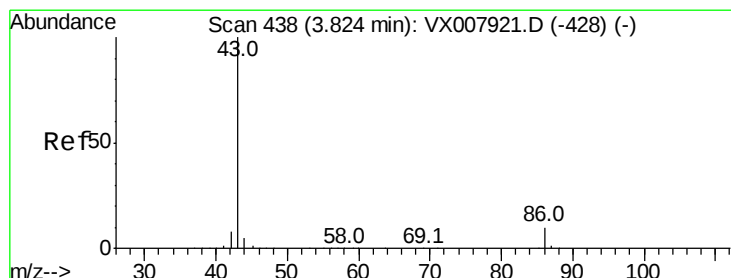
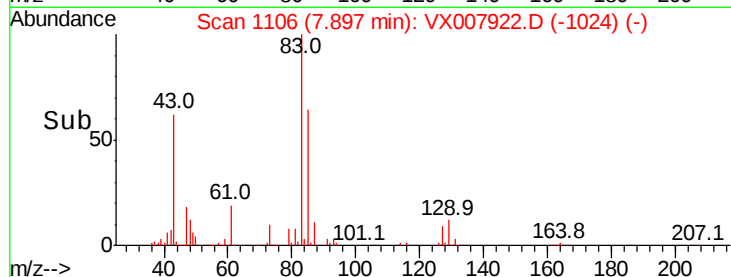
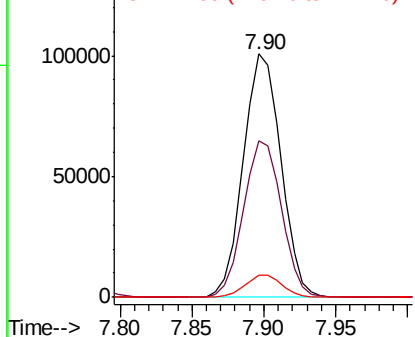
Tot Ion:	83	Resp:	182759
Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.1	76.7
127	9.2	7.2	10.8

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Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 85.00 (84.70 to 85.70): VX0
Ion 127.00 (126.70 to 127.70): V



#42

Vinyl Acetate

Concen: 300.219 ug/l

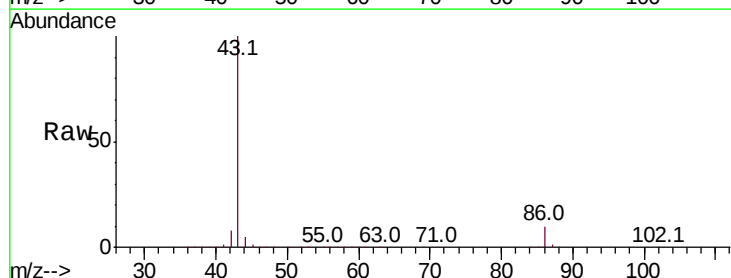
RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

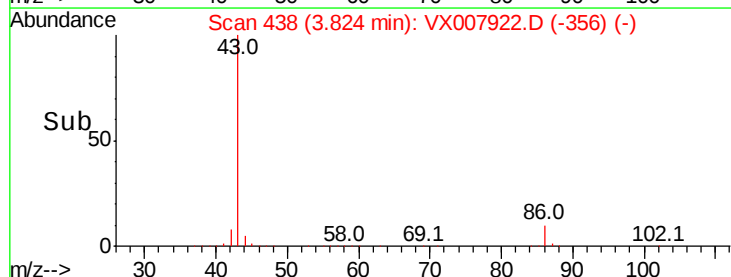
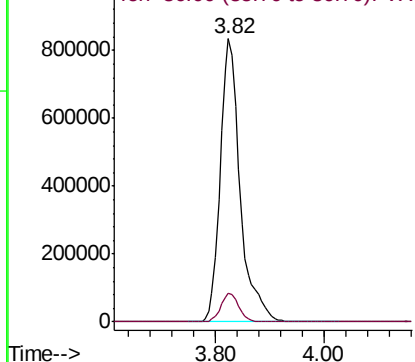
Lab File: VX007922.D

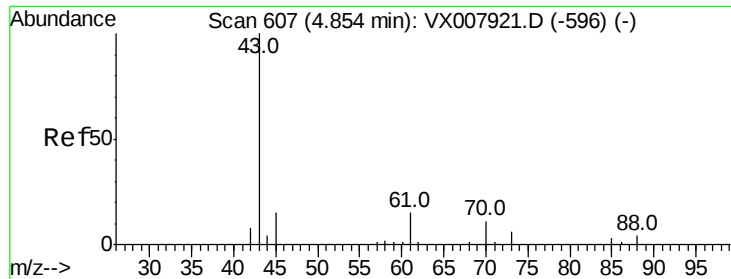
Acq: 08 Mar 2019 10:47

Tgt Ion:	43	Resp:	2119019
Ion	Ratio	Lower	Upper
43	100		
86	9.0	8.2	12.2



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 86.00 (85.70 to 86.70): VX0





#43

Ethyl Acetate

Concen: 57.903 ug/l

RT: 4.85 min Scan# 607

Delta R.T. 0.00 min

Lab File: VX007922.D

Acq: 08 Mar 2019 10:47

Instrument :

MSVOA_X

ClientSampled :

VSTDIC050

Tot Ion: 43 Resp: 223602

Ion Ratio Lower Upper

43 100

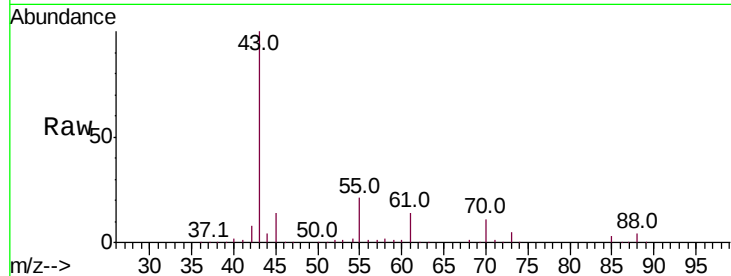
45 14.9 6.9 10.3#

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

250000

200000

150000

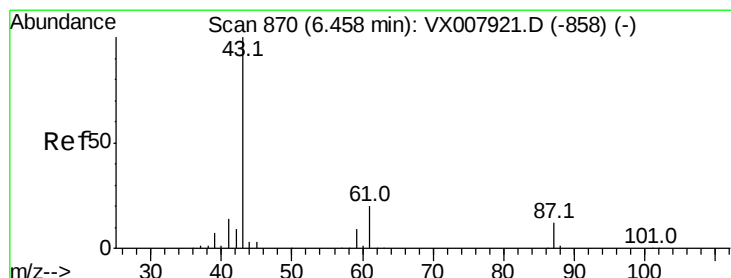
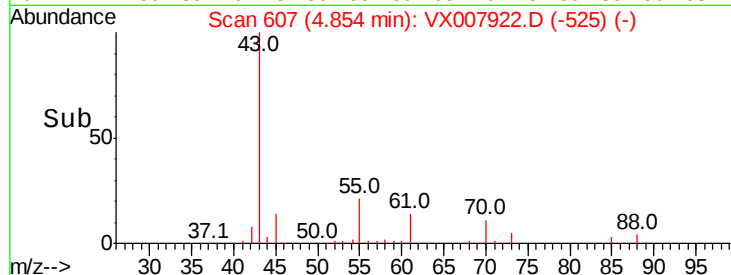
100000

50000

0

4.70 4.80 4.90 5.00

Time-->



#44

Isopropyl Acetate

Concen: 57.969 ug/l

RT: 6.46 min Scan# 870

Delta R.T. 0.00 min

Lab File: VX007922.D

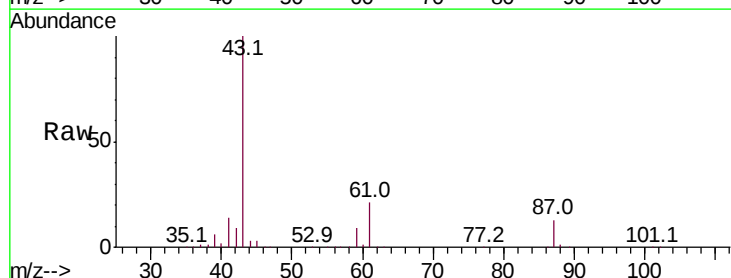
Acq: 08 Mar 2019 10:47

Tgt Ion: 43 Resp: 345625

Ion Ratio Lower Upper

43 100

61 20.6 16.1 24.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

150000

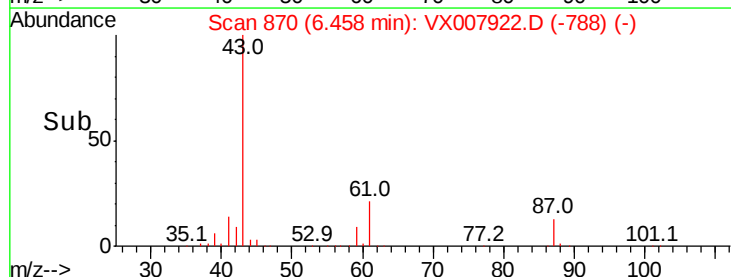
100000

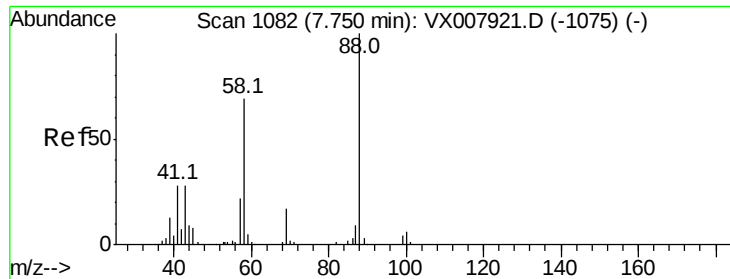
50000

0

6.40 6.50 6.60

Time-->





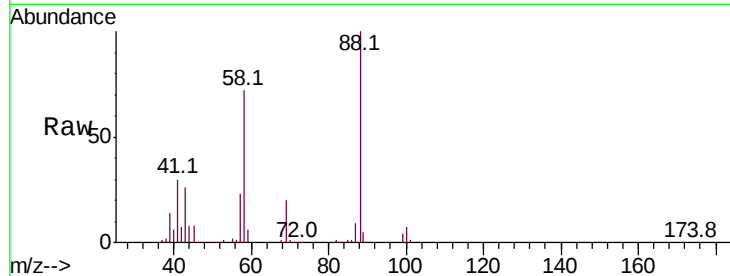
#45
1,4-Dioxane
Concen: 1033.742 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX007922.D
Acq: 08 Mar 2019 10:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.1	23.6	35.4
58	72.7	51.6	77.4

Manual Integrations
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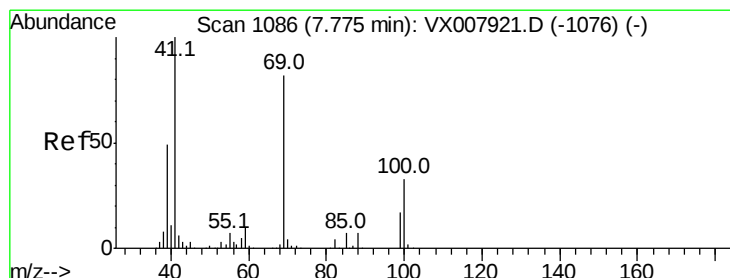
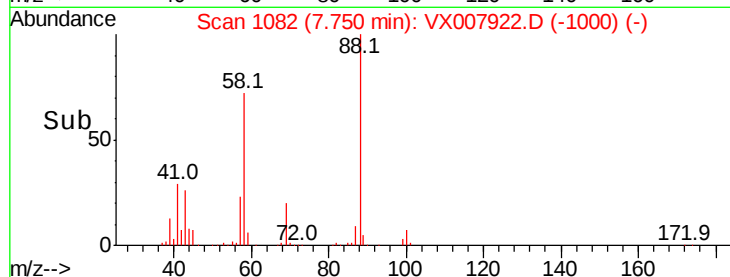
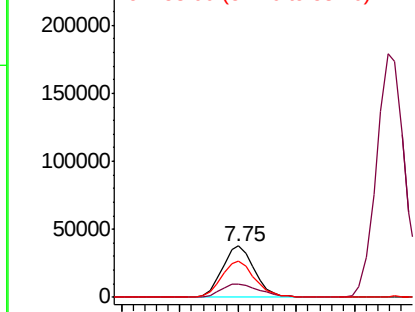


Abundance

Ion 88.00 (87.70 to 88.70): VX0

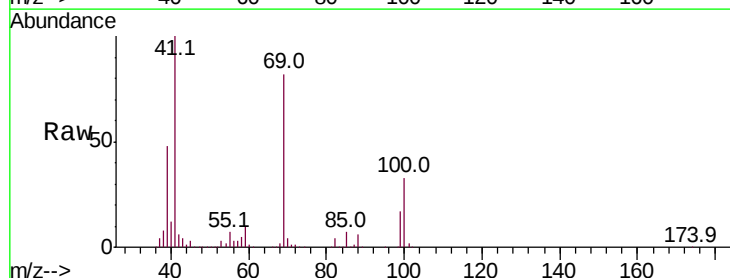
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#46
Methyl methacrylate
Concen: 60.526 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. 0.00 min
Lab File: VX007922.D
Acq: 08 Mar 2019 10:47

Tgt Ion	Ratio	Lower	Upper
41	100		
69	82.5	44.2	132.6
39	48.4	29.9	89.8

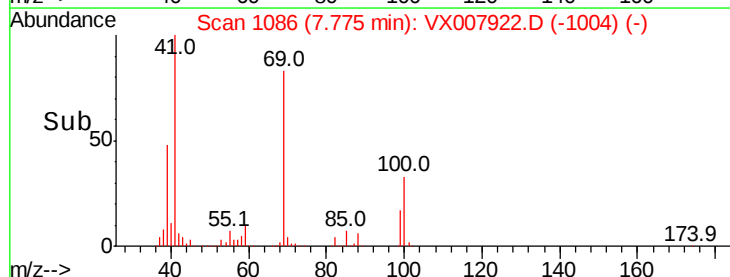
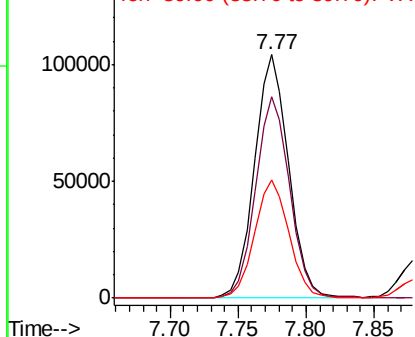


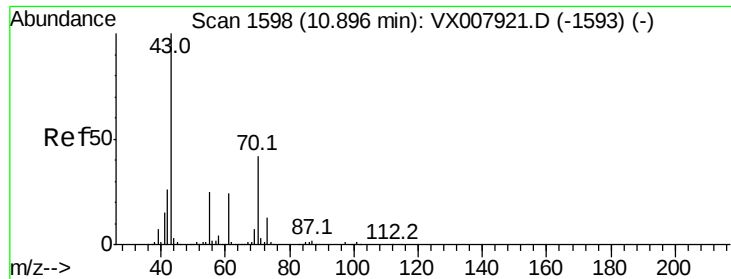
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





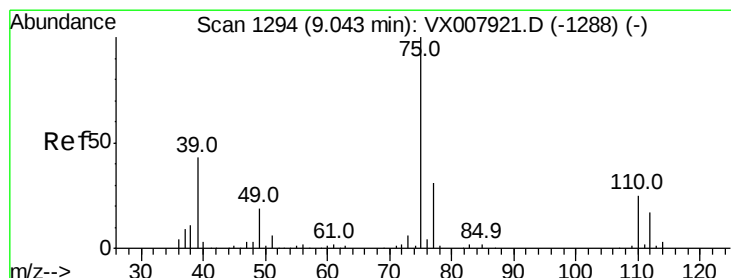
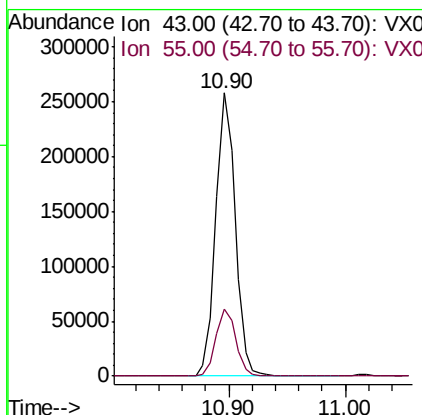
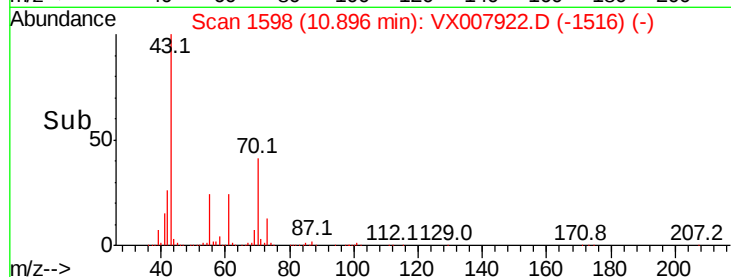
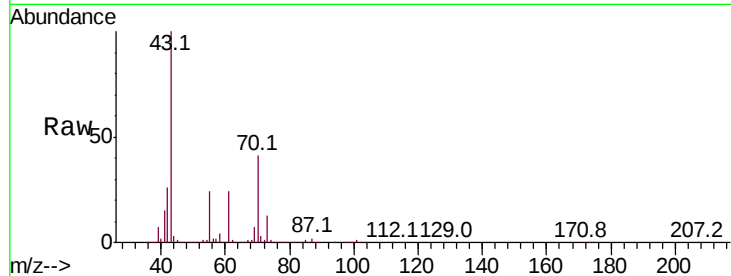
#47
n-amvl Acetate
Concen: 56.521 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VX007922.D
Acq: 08 Mar 2019 10:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion: 43 Resp: 297026
Ion Ratio Lower Upper
43 100
55 24.3 20.8 31.2

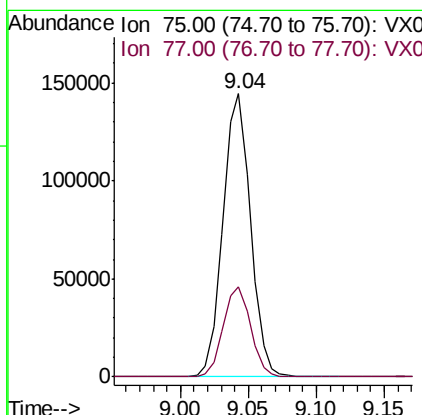
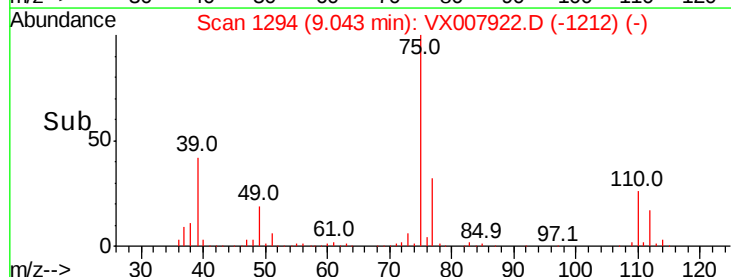
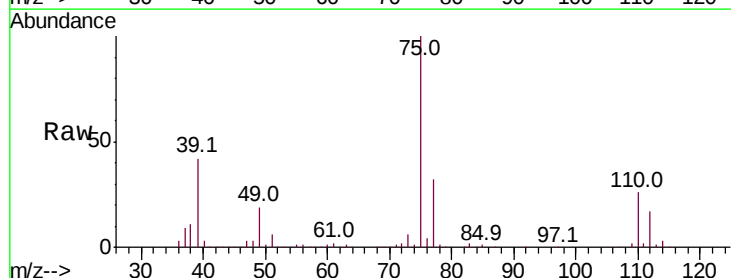
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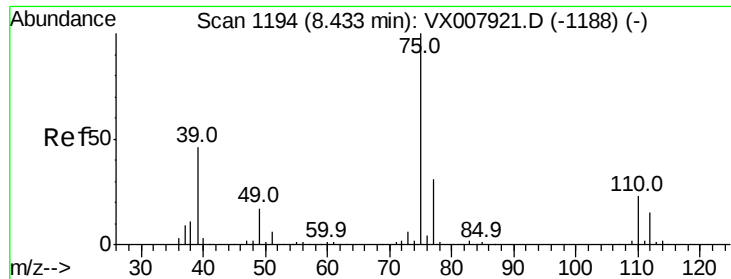
MMDadoda
3/11/2019 9:30:52 AM



#48
t-1,3-Dichloropropene
Concen: 57.487 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX007922.D
Acq: 08 Mar 2019 10:47

Tgt Ion: 75 Resp: 203227
Ion Ratio Lower Upper
75 100
77 31.8 24.5 36.7





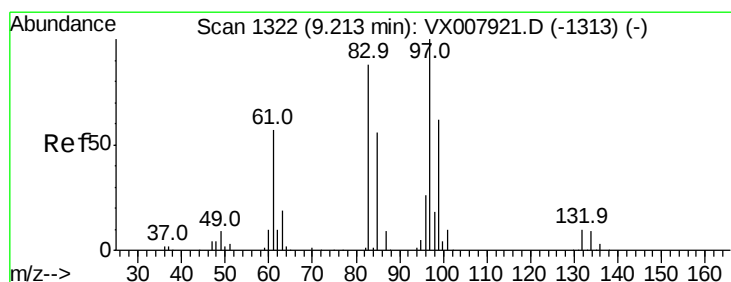
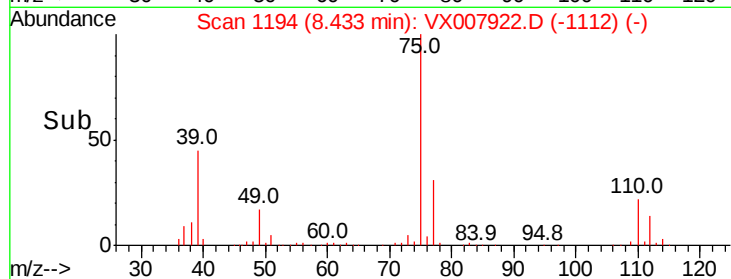
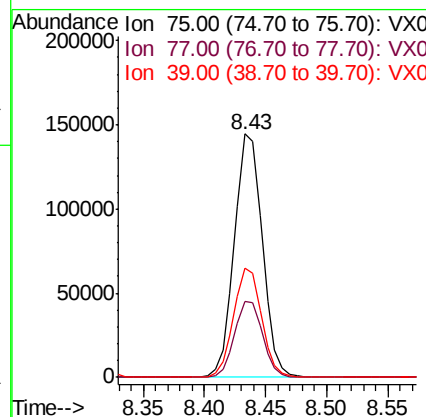
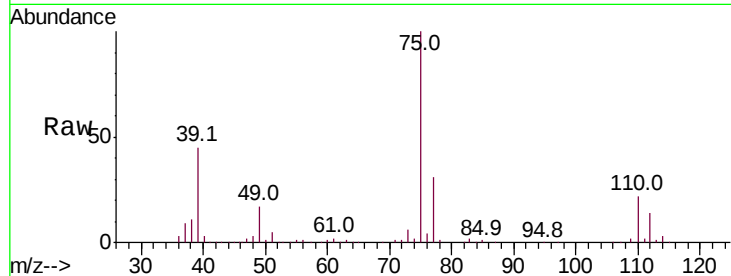
#49
 cis-1,3-Dichloropropene
 Concen: 57.988 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX007922.D
 Acq: 08 Mar 2019 10:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp Lower	Upper
75	100		
77	31.2	25.0	37.4
39	44.9	38.5	57.7

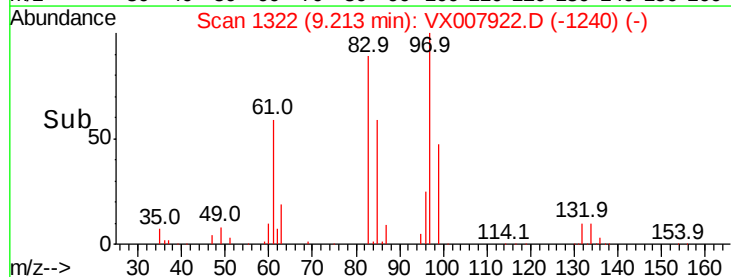
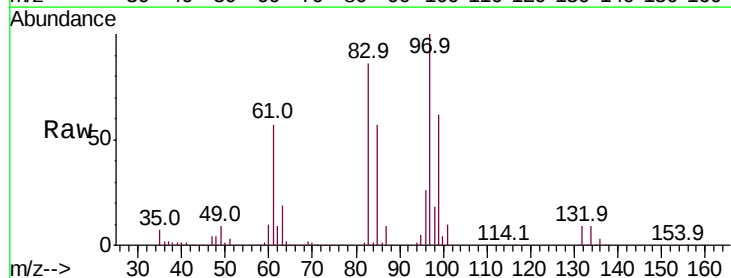
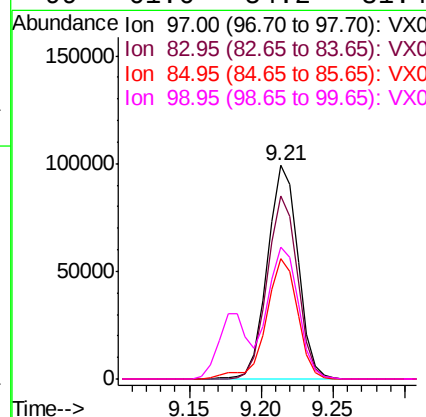
Manual Integrations
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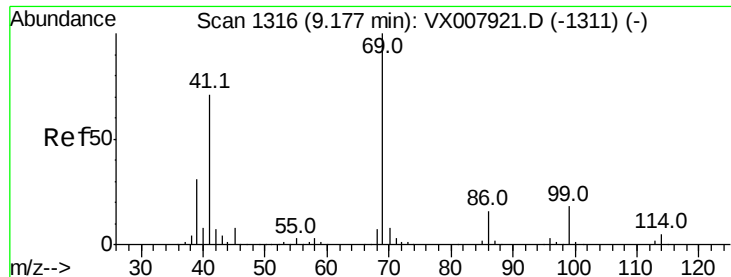
MMDadoda
 3/11/2019 9:30:52 AM



#50
 1,1,2-Trichloroethane
 Concen: 51.691 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX007922.D
 Acq: 08 Mar 2019 10:47

Tgt Ion	Ratio	Resp Lower	Upper
97	100		
83	85.9	72.0	108.0
85	56.5	45.0	67.6
99	61.6	54.2	81.4





#51

Ethyl methacrylate

Concen: 56.137 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX007922.D

Acq: 08 Mar 2019 10:47

Instrument :

MSVOA_X

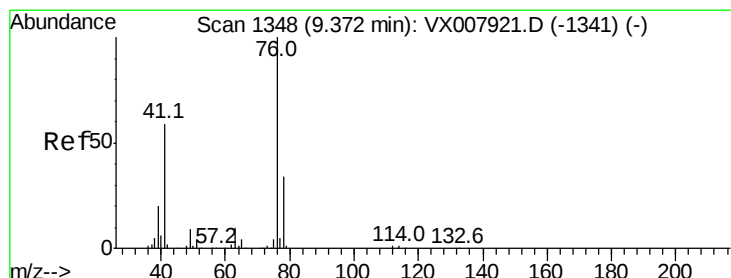
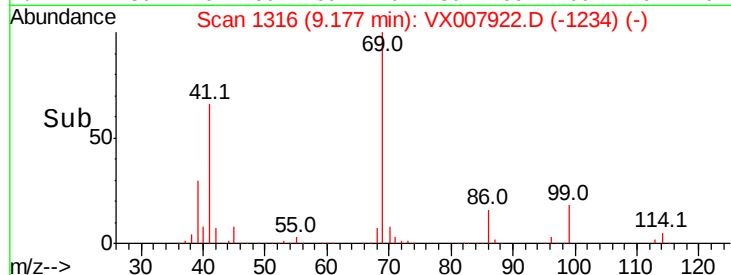
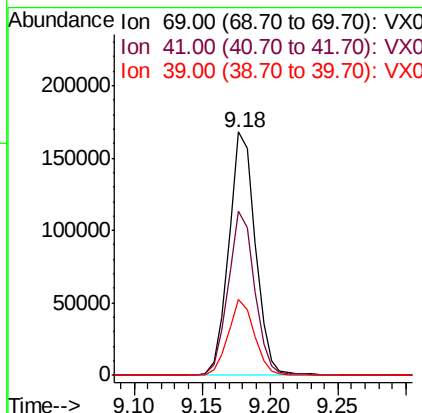
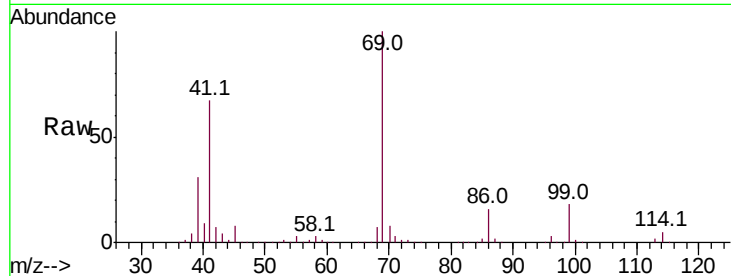
ClientSampleId :

VSTDIC050

Tot Ion	Ratio	Lower	Upper
69	100		
41	67.3	32.1	96.5
39	30.9	18.8	56.3

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 53.285 ug/l

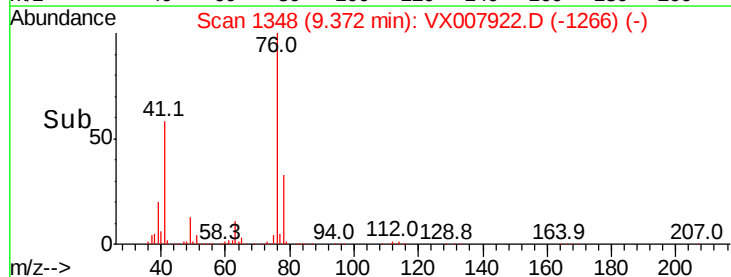
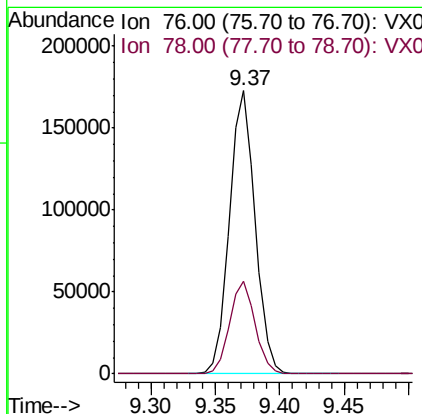
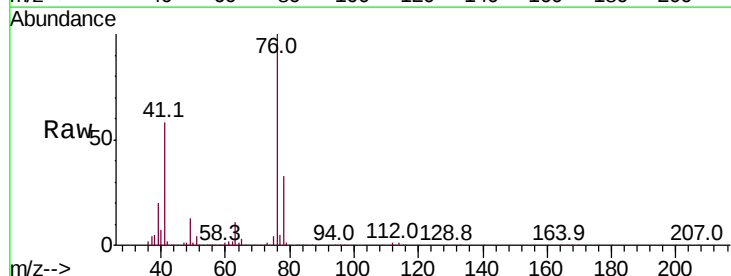
RT: 9.37 min Scan# 1348

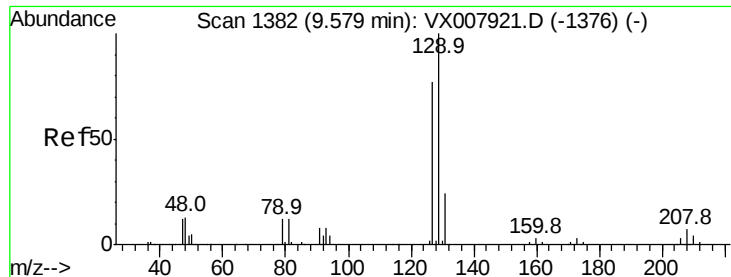
Delta R.T. 0.00 min

Lab File: VX007922.D

Acq: 08 Mar 2019 10:47

Tgt Ion	Ratio	Lower	Upper
76	100		
78	32.5	0.0	65.2





#53

Dibromochloromethane

Concen: 52.690 ug/l

RT: 9.59 min Scan# 1383

Delta R.T. 0.01 min

Lab File: VX007922.D

Acq: 08 Mar 2019 10:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion:129 Resp: 154193

Ion Ratio Lower Upper

129 100

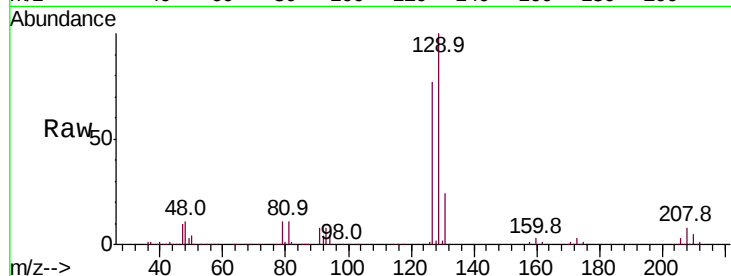
127 77.0 38.4 115.2

Manual Integrations

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

120000

100000

80000

60000

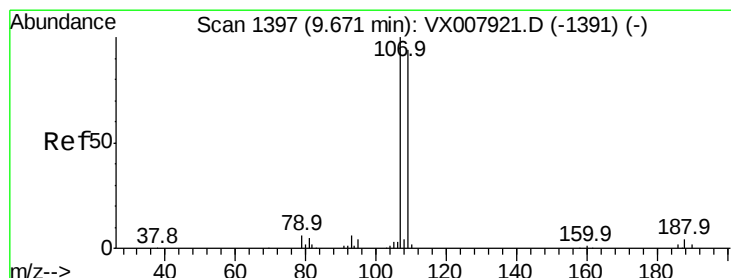
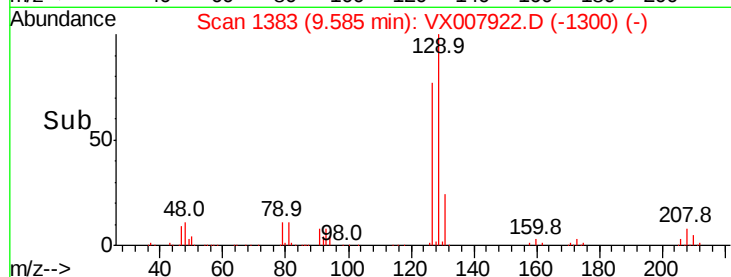
40000

20000

0

9.50 9.55 9.60 9.65 9.70

Time-->



#54

1,2-Dibromoethane

Concen: 50.027 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX007922.D

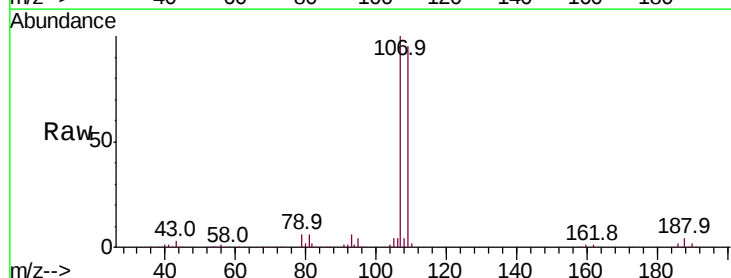
Acq: 08 Mar 2019 10:47

Tgt Ion:107 Resp: 154129

Ion Ratio Lower Upper

107 100

109 94.7 76.6 115.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

120000

100000

80000

60000

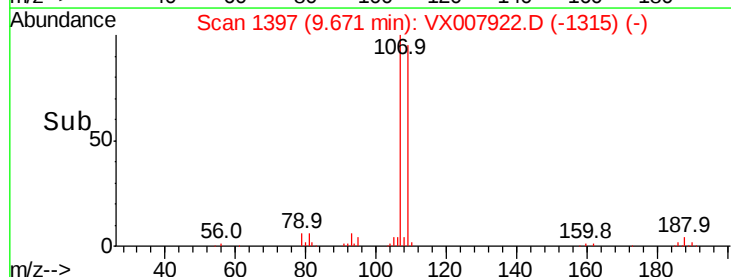
40000

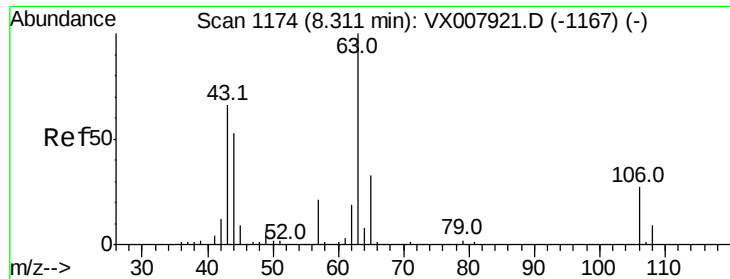
20000

0

9.60 9.65 9.70 9.75

Time-->





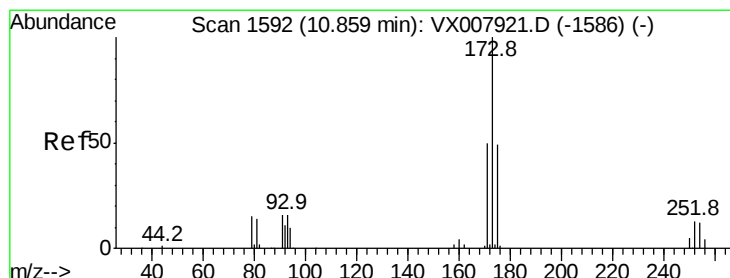
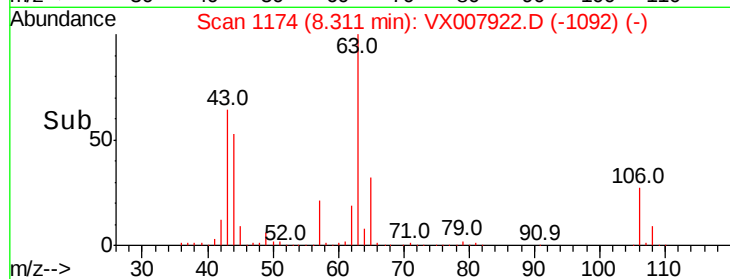
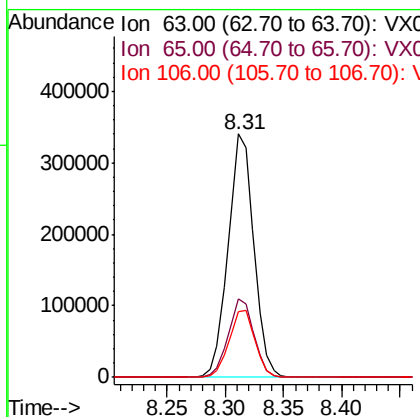
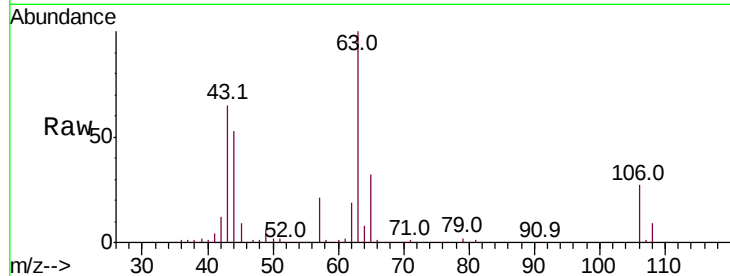
#55
 2-Chloroethyl vinyl ether
 Concen: 251.952 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX007922.D
 Acq: 08 Mar 2019 10:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.3	25.7	38.5
106	28.0	23.7	35.5

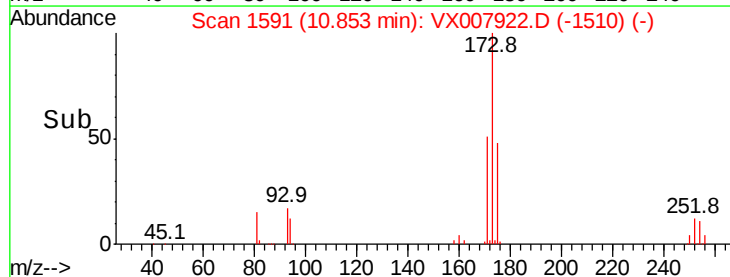
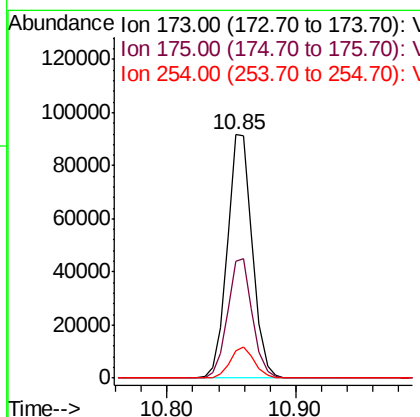
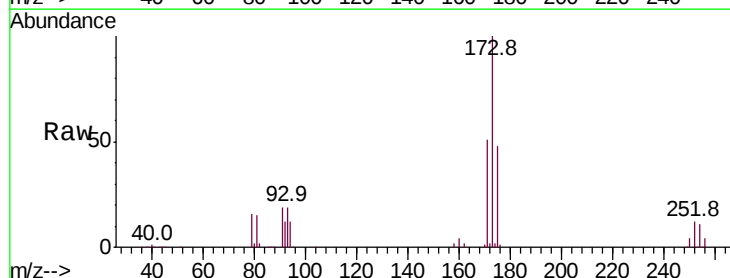
Manual Integrations
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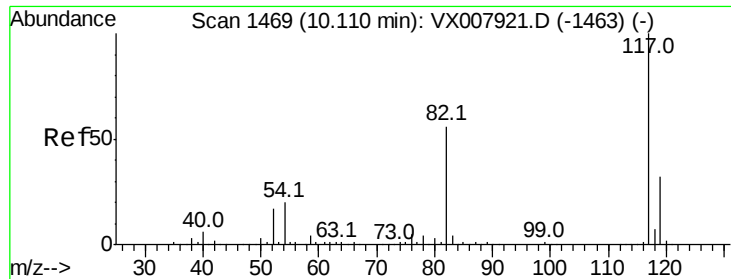
MMDadoda
 3/11/2019 9:30:52 AM



#56
 Bromoform
 Concen: 56.566 ug/l
 RT: 10.85 min Scan# 1591
 Delta R.T. -0.01 min
 Lab File: VX007922.D
 Acq: 08 Mar 2019 10:47

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.6	38.5	57.7
254	12.3	7.4	11.2





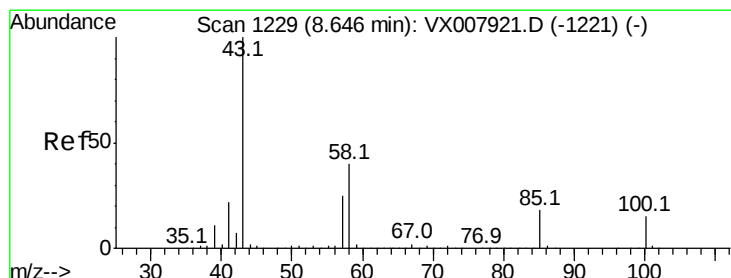
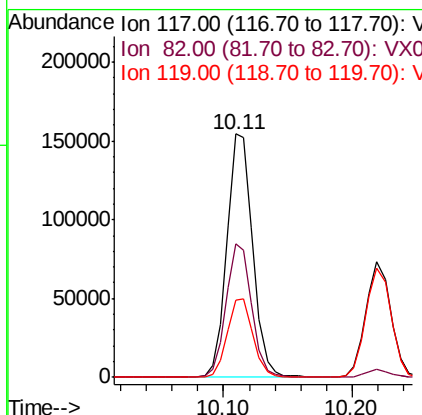
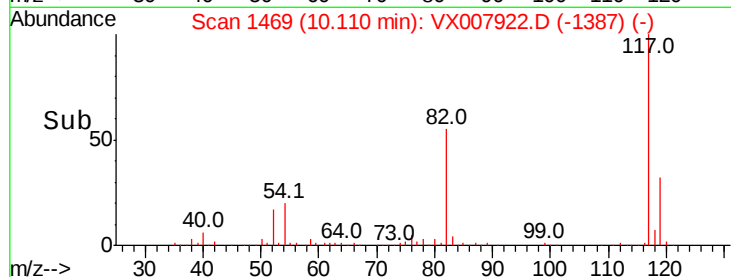
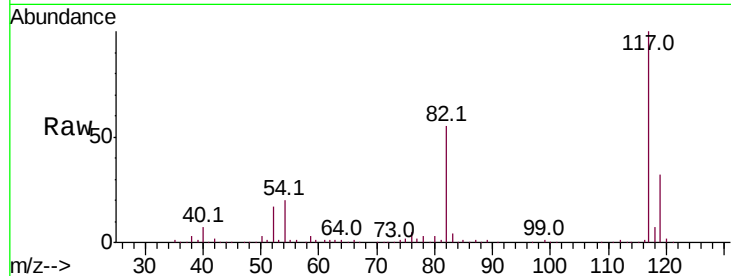
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007922.D
Acq: 08 Mar 2019 10:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.2	40.4	60.6
119	32.1	25.8	38.6

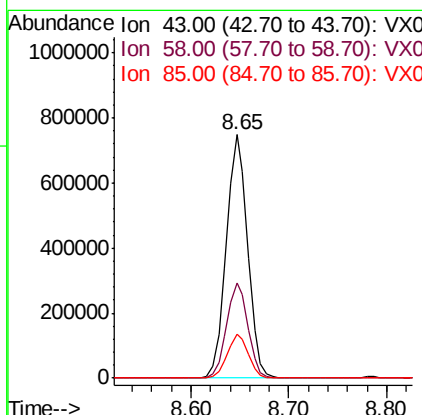
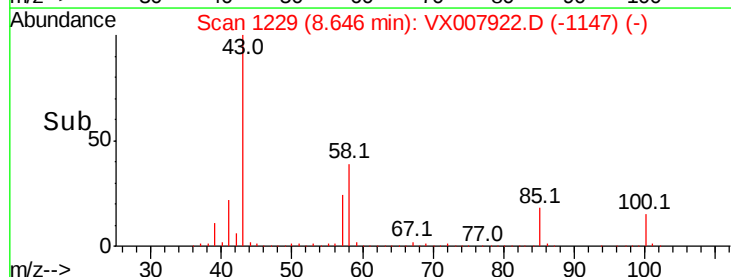
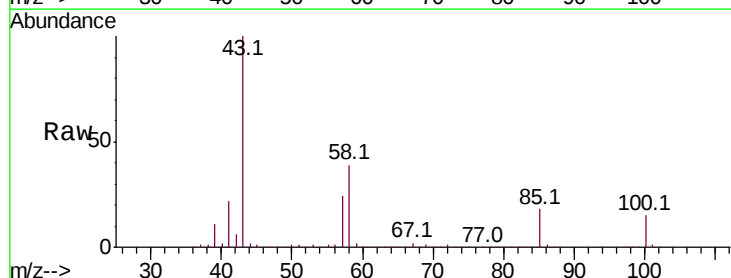
Manual Integrations
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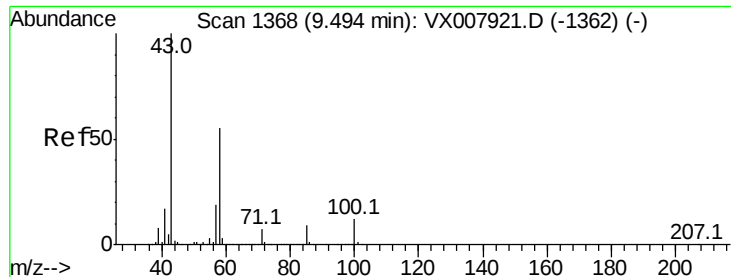
MMDadoda
3/11/2019 9:30:52 AM



#58
4-Methyl-2-Pentanone
Concen: 287.586 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VX007922.D
Acq: 08 Mar 2019 10:47

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.3	31.4	47.0
85	17.8	15.0	22.6





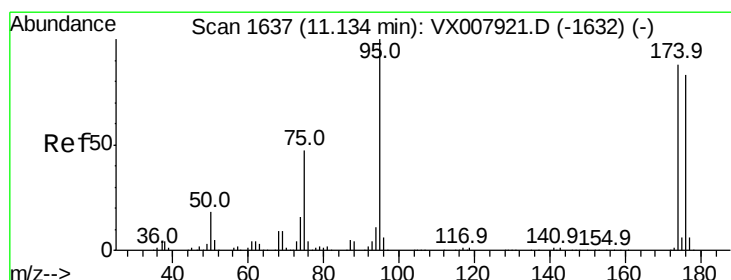
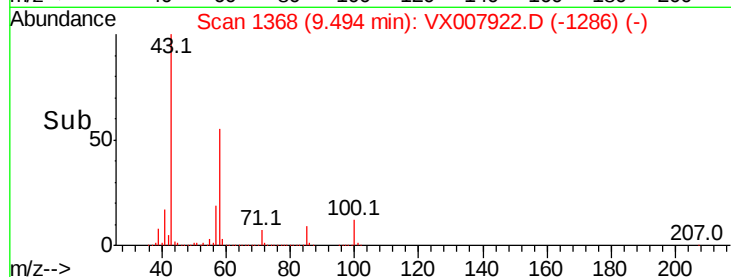
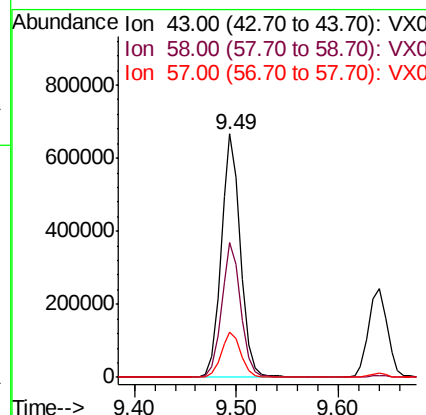
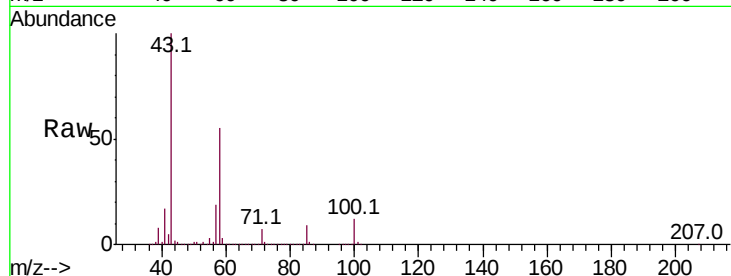
#59
2-Hexanone
Concen: 294.925 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX007922.D
Acq: 08 Mar 2019 10:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.3	43.9	65.9
57	19.1	14.9	22.3

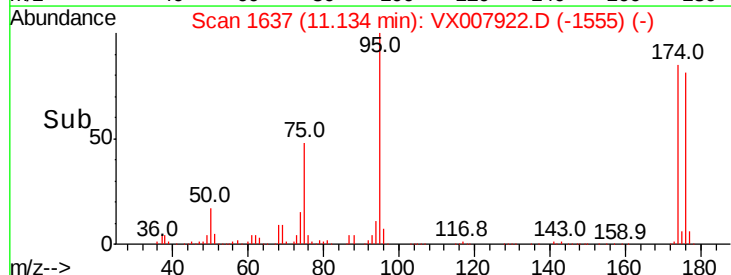
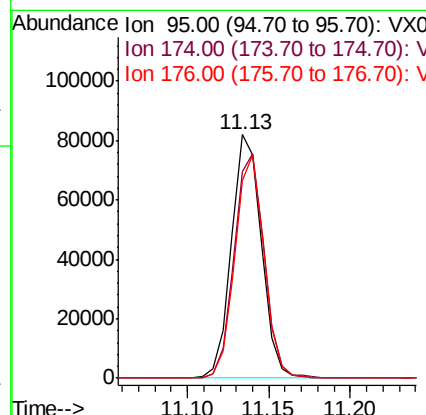
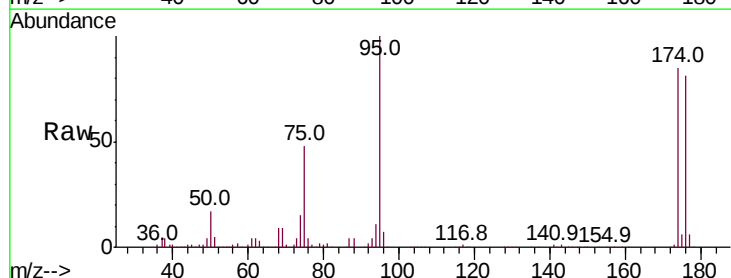
Manual Integrations
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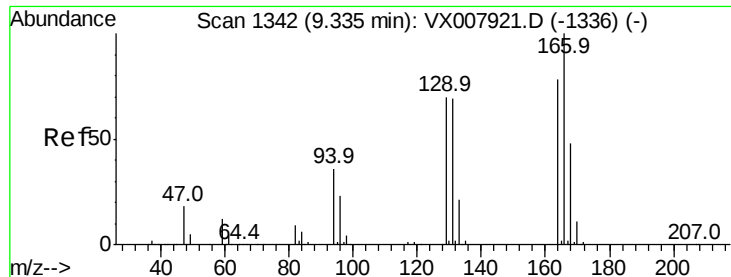
MMDadoda
3/11/2019 9:30:52 AM



#60
4-Bromofluorobenzene
Concen: 31.230 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX007922.D
Acq: 08 Mar 2019 10:47

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.6	74.9	112.3
176	89.5	70.7	106.1





#61

Tetrachloroethene

Concen: 49.498 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX007922.D

Acq: 08 Mar 2019 10:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion:164 Resp: 153346

Ion Ratio Lower Upper

164 100

166 129.8 103.9 155.9

129 88.5 74.7 112.1

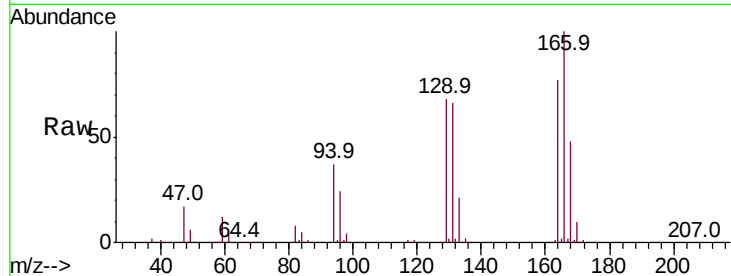
131 85.6 71.7 107.5

Manual Integrations

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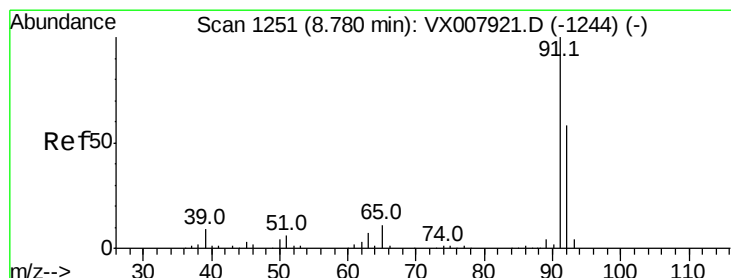
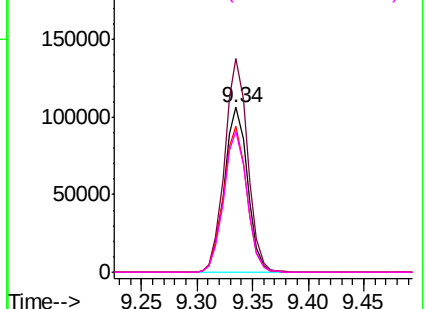
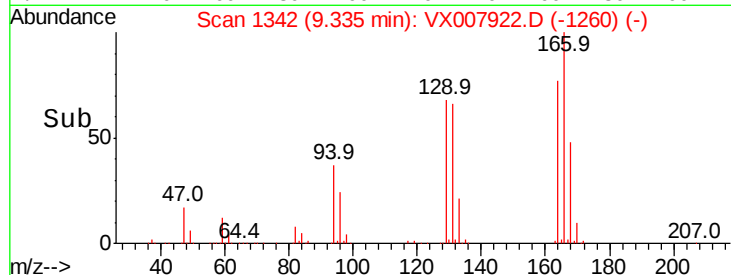
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 52.128 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX007922.D

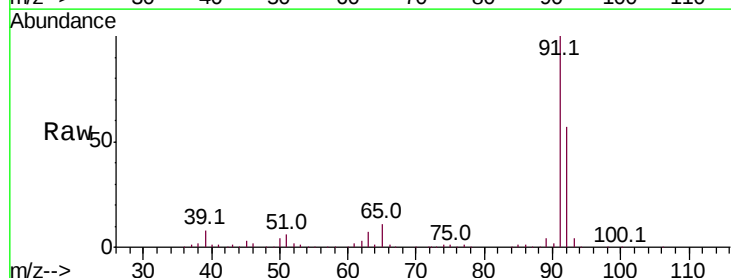
Acq: 08 Mar 2019 10:47

Tgt Ion: 91 Resp: 619558

Ion Ratio Lower Upper

91 100

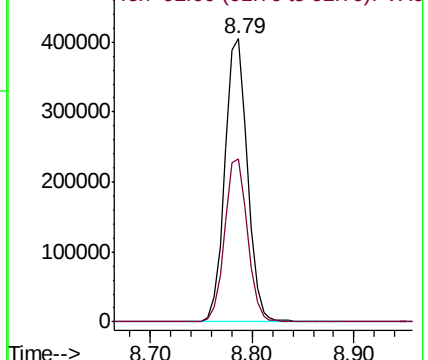
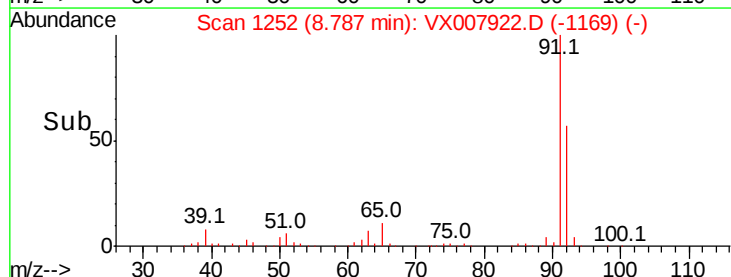
92 58.1 46.4 69.6

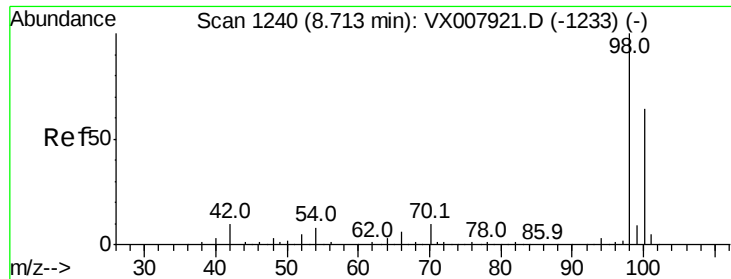


Abundance

Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 30.337 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007922.D

Acq: 08 Mar 2019 10:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 98 Resp: 299240

Ion Ratio Lower Upper

98 100

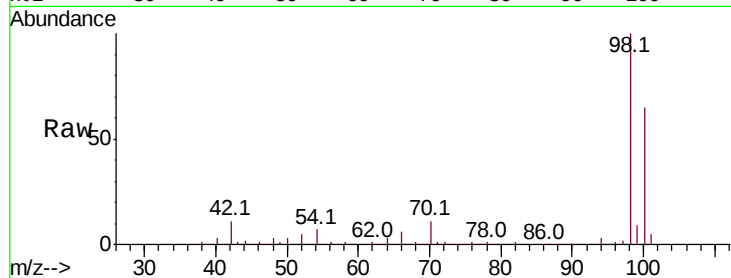
100 64.5 50.9 76.3

Manual Integrations

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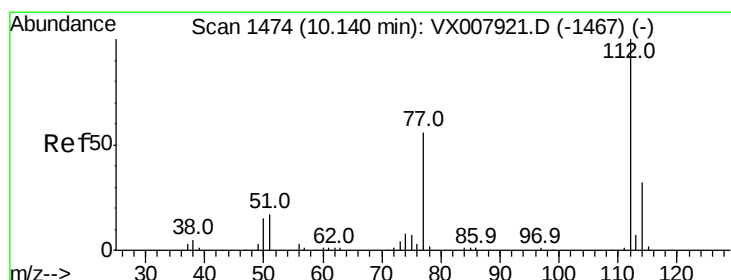
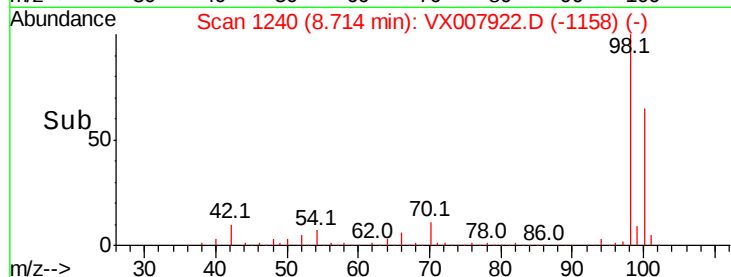
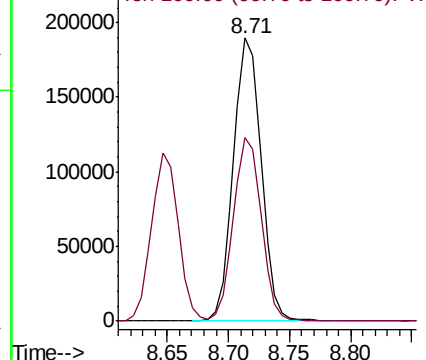
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Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#64

Chlorobenzene

Concen: 51.044 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX007922.D

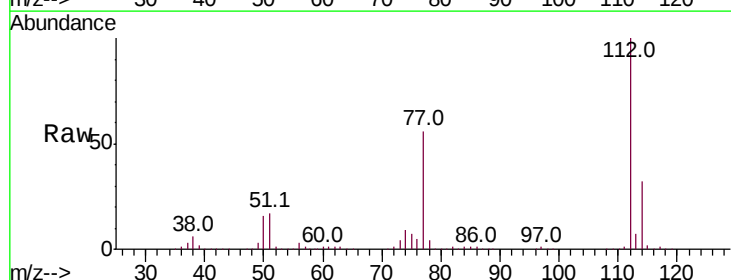
Acq: 08 Mar 2019 10:47

Tgt Ion: 112 Resp: 394254

Ion Ratio Lower Upper

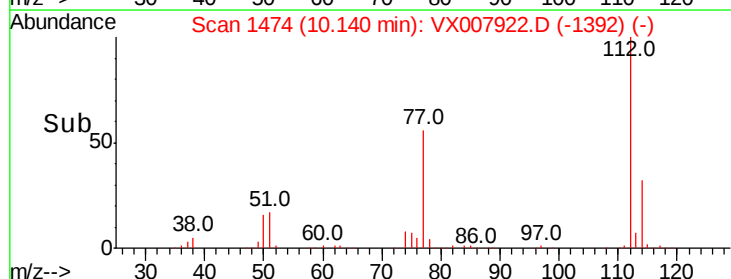
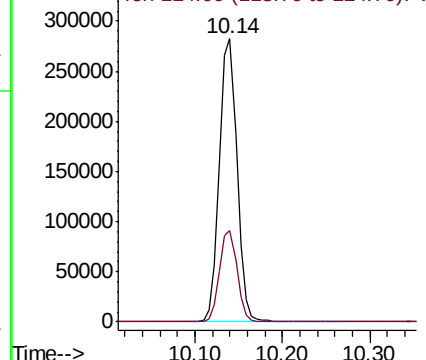
112 100

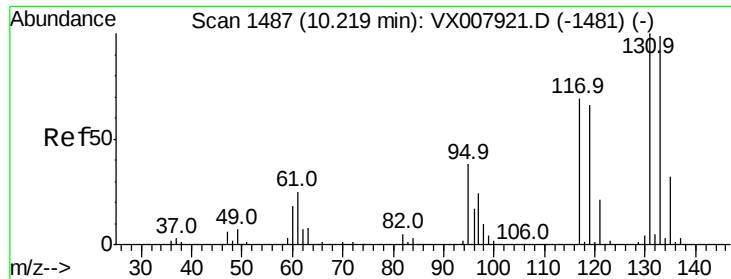
114 32.2 25.4 38.2



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V





#65

1,1,1,2-Tetrachloroethane

Concen: 51.422 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX007922.D

Acq: 08 Mar 2019 10:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion:131 Resp: 143858

Ion Ratio Lower Upper

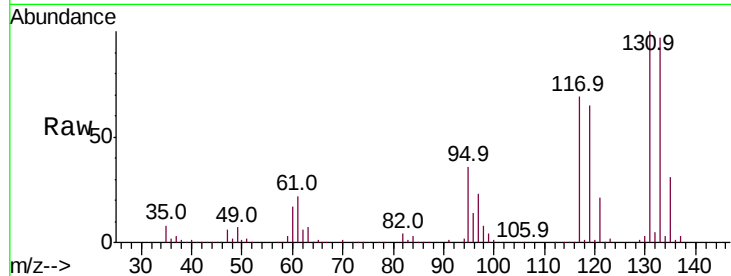
131 100

133 96.4 0.0 191.6

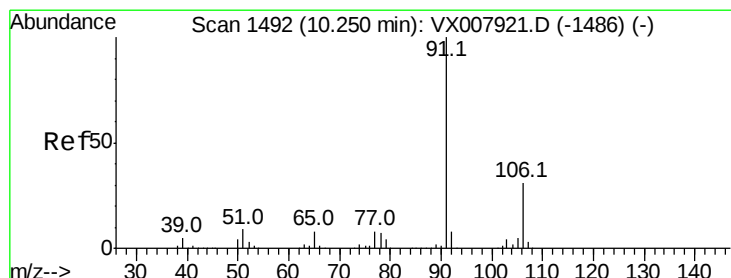
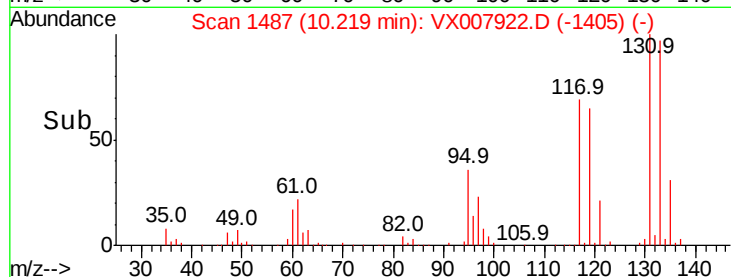
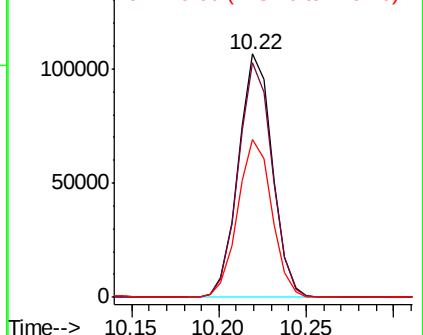
119 65.3 0.0 127.4

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Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 53.235 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX007922.D

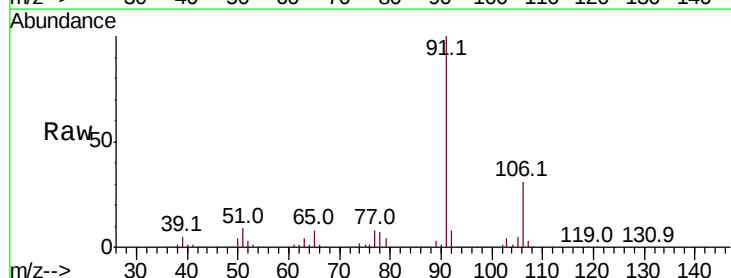
Acq: 08 Mar 2019 10:47

Tgt Ion: 91 Resp: 671424

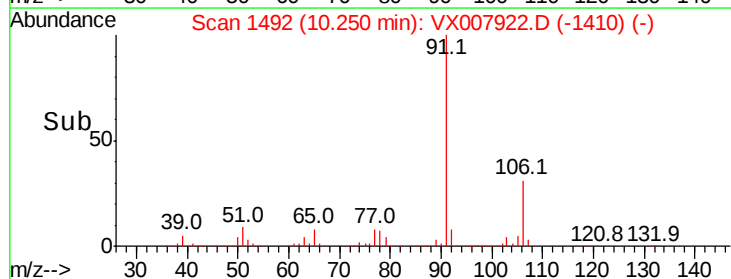
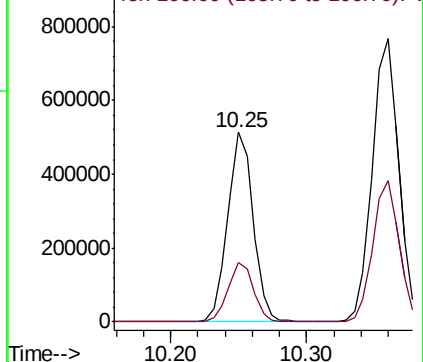
Ion Ratio Lower Upper

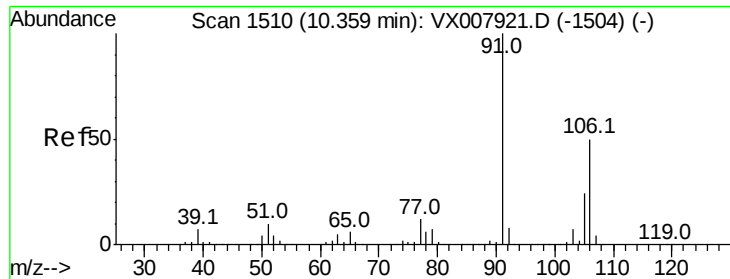
91 100

106 31.5 26.0 39.0



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 106.00 (105.70 to 106.70): V





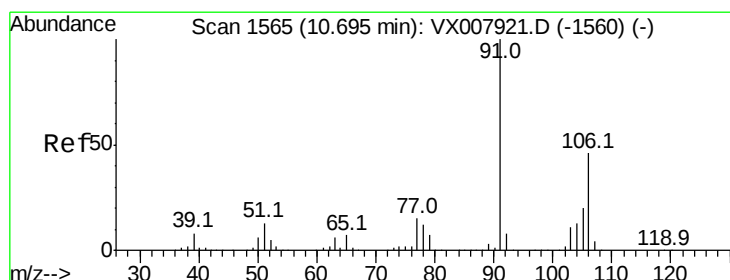
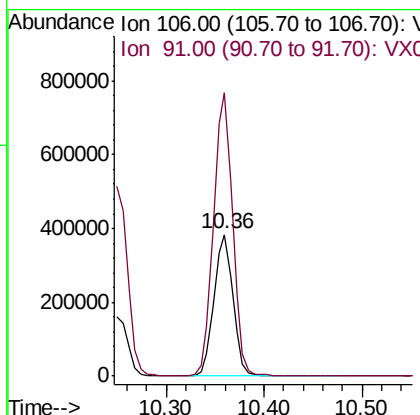
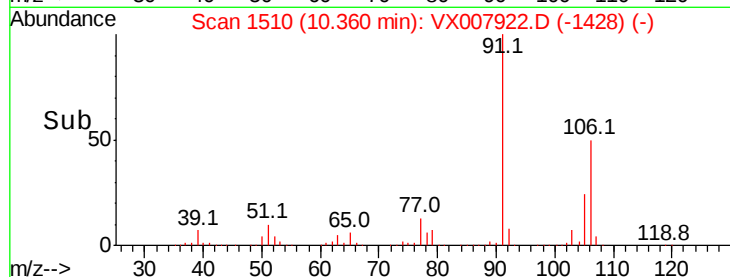
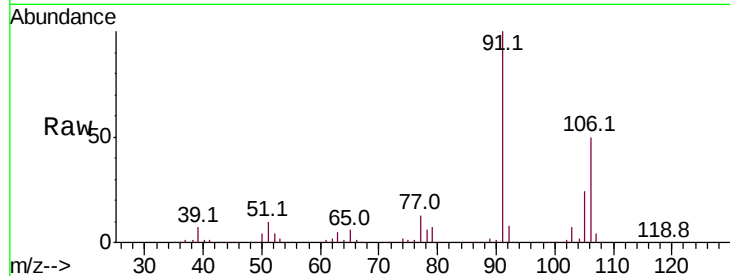
#67
m/p-Xvlenes
Concen: 104.975 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX007922.D
Acq: 08 Mar 2019 10:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion:106 Resp: 519303
Ion Ratio Lower Upper
106 100
91 200.9 157.0 235.4

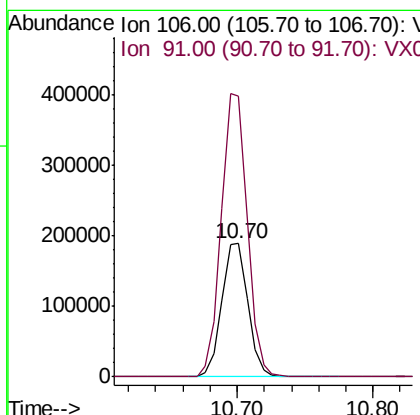
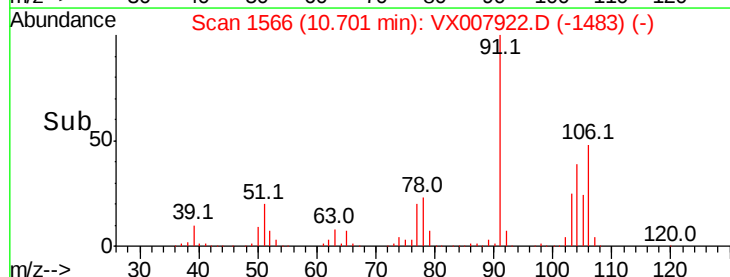
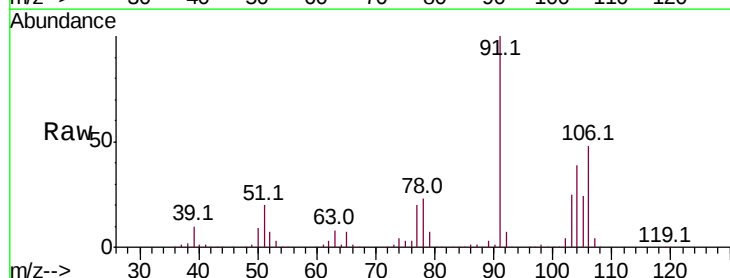
Manual Integrations
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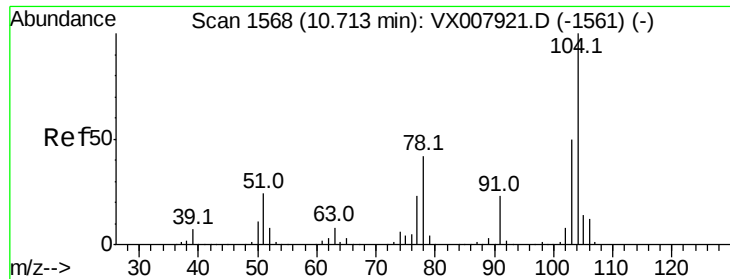
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#68
o-Xylene
Concen: 52.473 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX007922.D
Acq: 08 Mar 2019 10:47

Tgt Ion:106 Resp: 253170
Ion Ratio Lower Upper
106 100
91 210.5 104.4 313.2





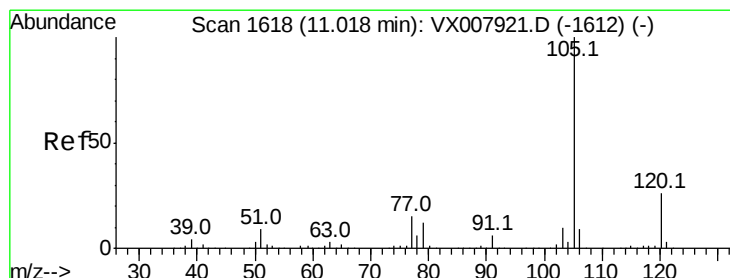
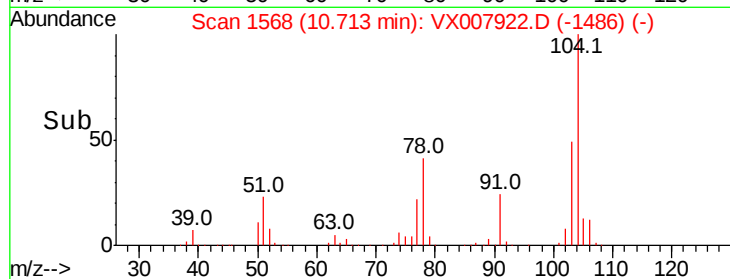
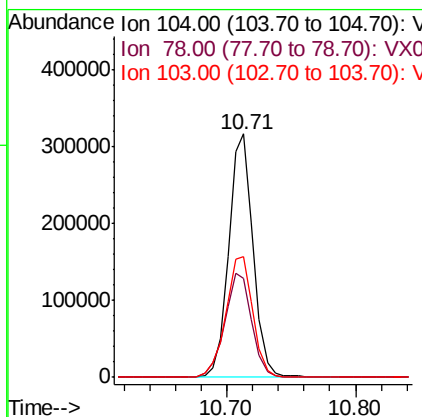
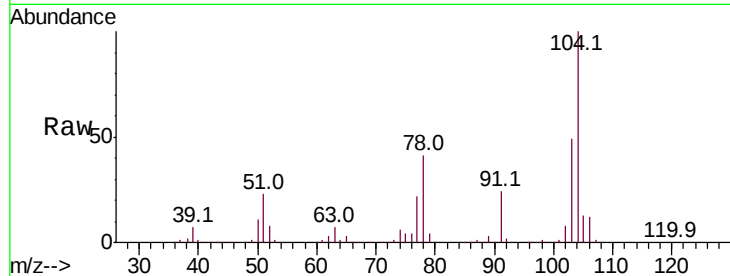
#69
Stvrene
Concen: 53.700 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX007922.D
Acq: 08 Mar 2019 10:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
104	100		
78	47.9	38.2	57.2
103	55.2	45.0	67.4

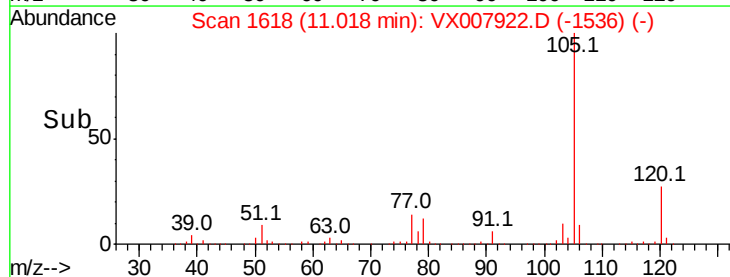
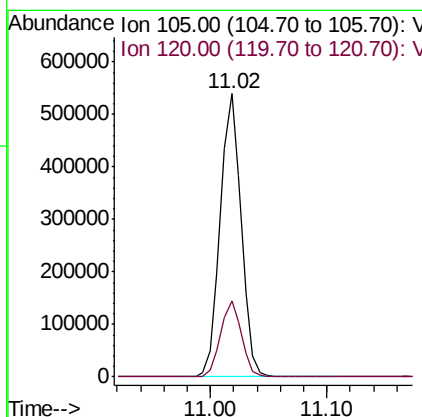
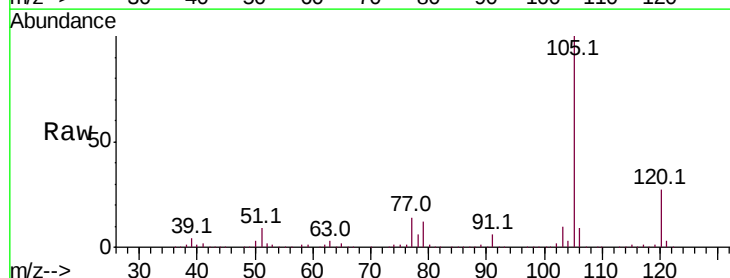
Manual Integrations
APPROVED

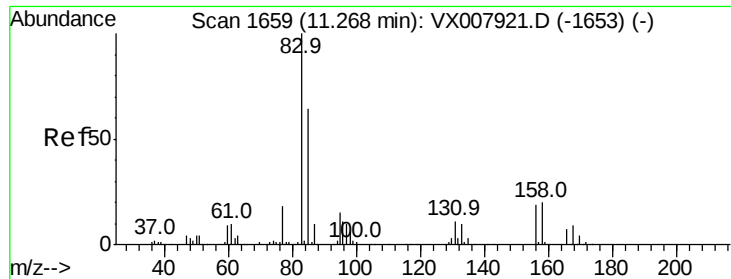
MMDadoda
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#70
Isopropylbenzene
Concen: 52.530 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX007922.D
Acq: 08 Mar 2019 10:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.7	19.8	36.8





#71

1,1,2,2-Tetrachloroethane

Concen: 51.640 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX007922.D

Acq: 08 Mar 2019 10:47

Instrument :

MSVOA_X

ClientSampled :

VSTDIC050

Tot Ion: 83 Resp: 217286

Ion Ratio Lower Upper

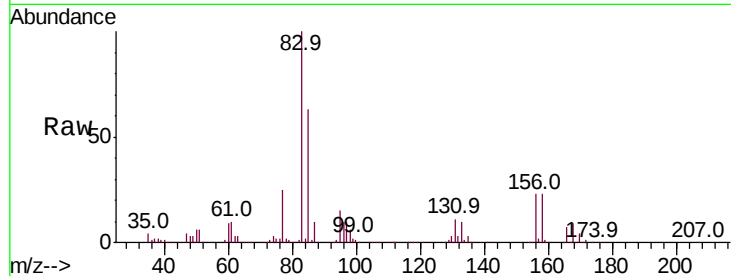
83 100

131 10.7 5.4 16.2

85 63.7 32.8 98.4

Manual Integrations
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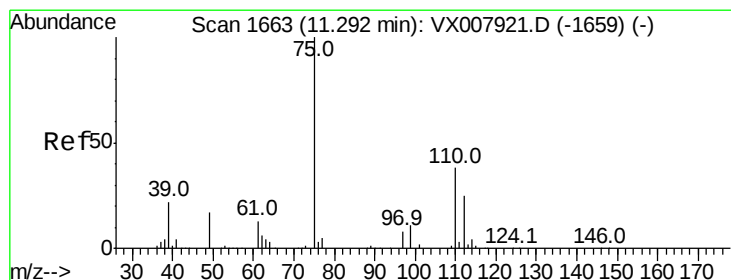
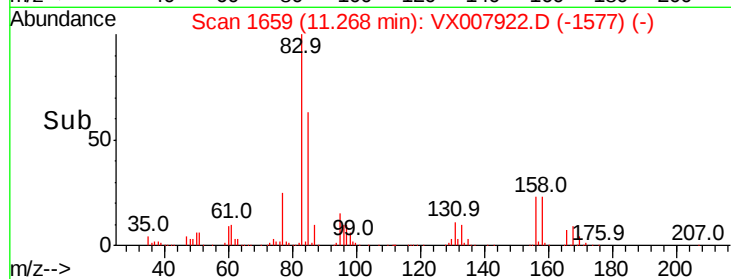
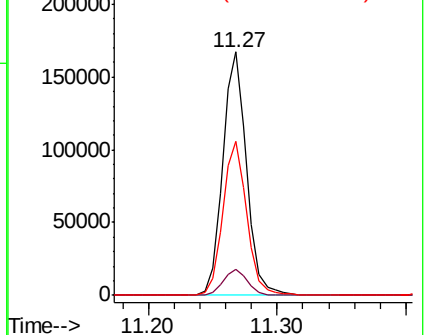
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Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VX0



#72

1,2,3-Trichloropropane

Concen: 54.746 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. 0.01 min

Lab File: VX007922.D

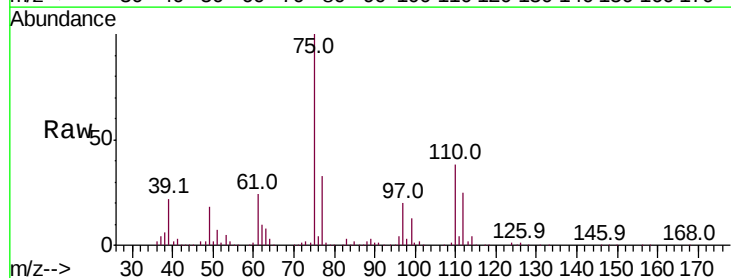
Acq: 08 Mar 2019 10:47

Tgt Ion: 75 Resp: 210619

Ion Ratio Lower Upper

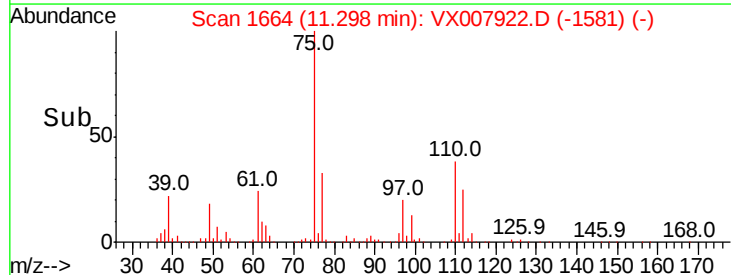
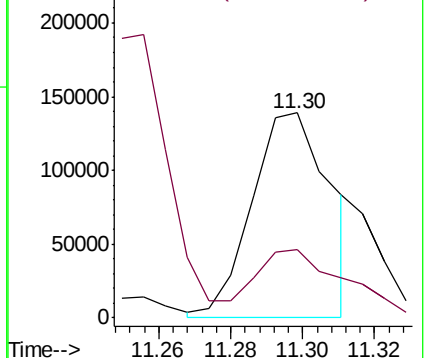
75 100

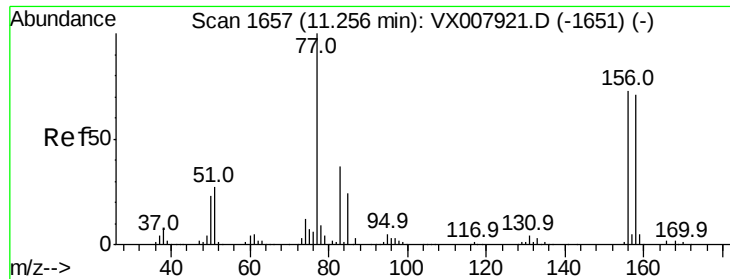
77 38.0 0.0 76.4



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#73

Bromobenzene

Concen: 50.621 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX007922.D

Acq: 08 Mar 2019 10:47

Instrument :

MSVOA_X

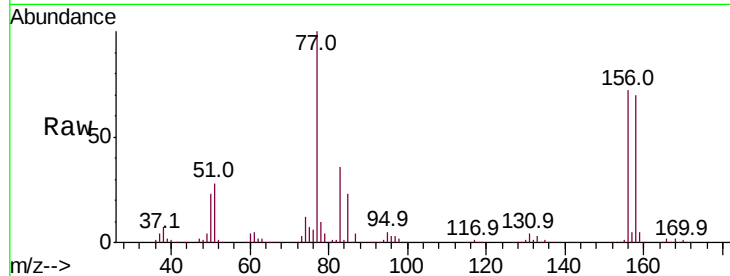
ClientSampled :

VSTDIC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	147.2	0.0	271.4
158	97.6	0.0	194.0

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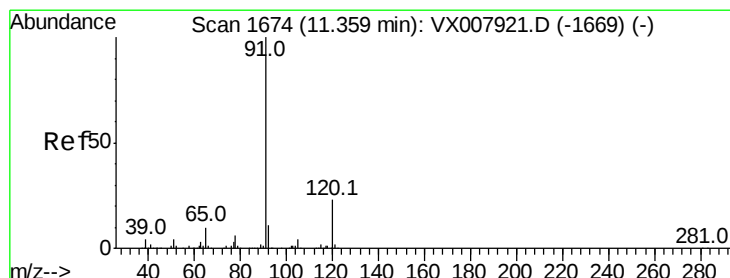
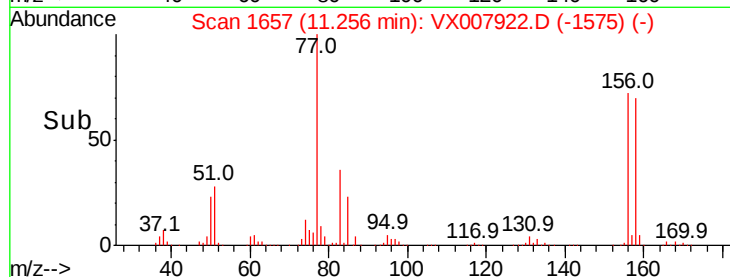
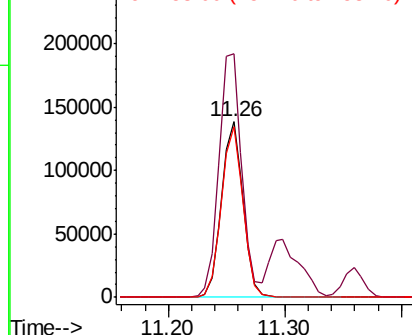


Abundance

Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 53.712 ug/l

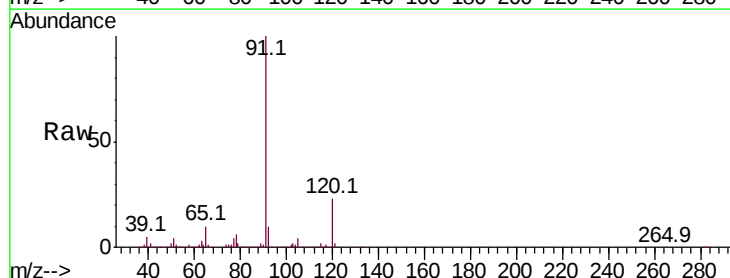
RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX007922.D

Acq: 08 Mar 2019 10:47

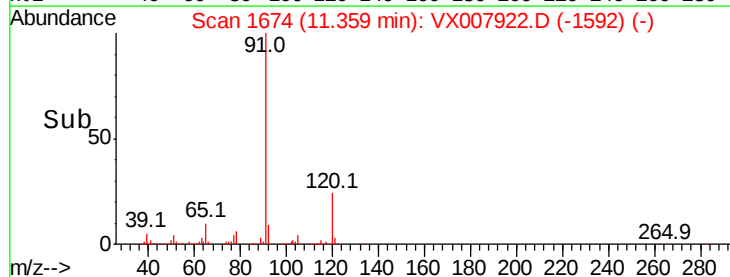
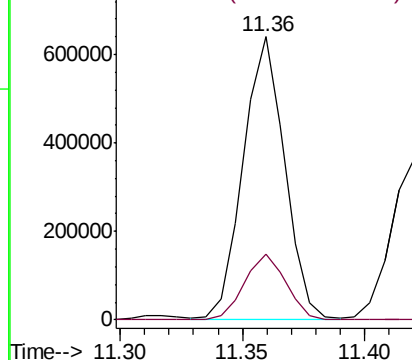
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.4	0.0	48.6

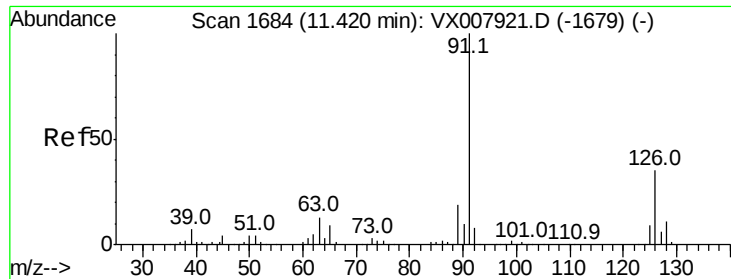


Abundance

Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 53.246 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX007922.D

Acq: 08 Mar 2019 10:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 91 Resp: 449956

Ion Ratio Lower Upper

91 100

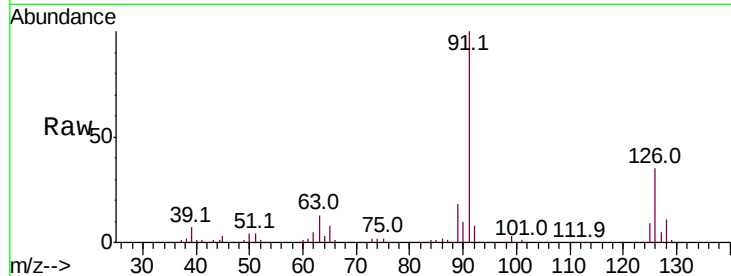
126 34.8 0.0 75.2

Manual Integrations

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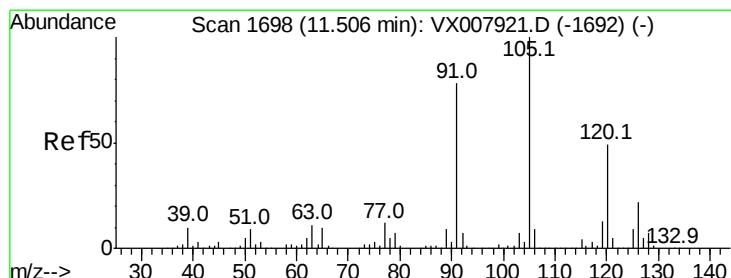
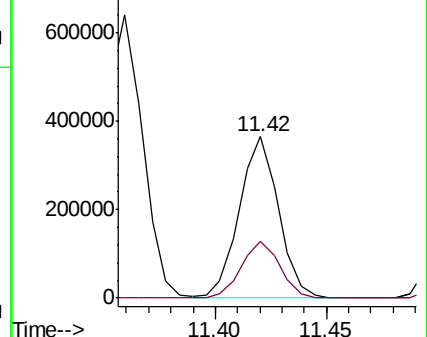
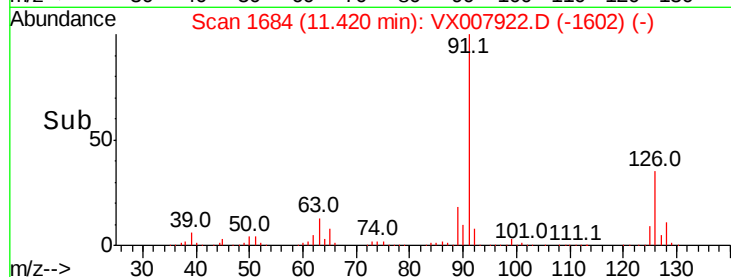
MMDadoda

3/11/2019 9:30:52 AM



Abundance Ion 91.00 (90.70 to 91.70): VX007921.D (-1679) (-)

Ion 126.00 (125.70 to 126.70): VX007921.D (-1679) (-)



#76

1,3,5-Trimethylbenzene

Concen: 53.364 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX007922.D

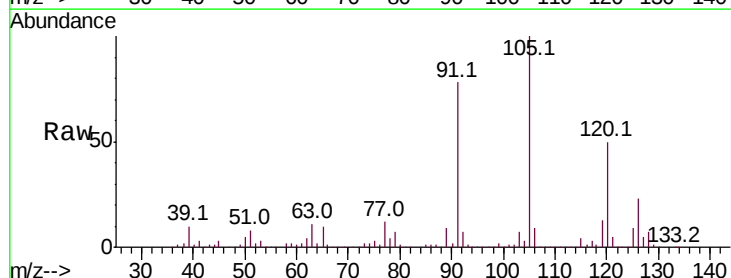
Acq: 08 Mar 2019 10:47

Tgt Ion: 105 Resp: 554472

Ion Ratio Lower Upper

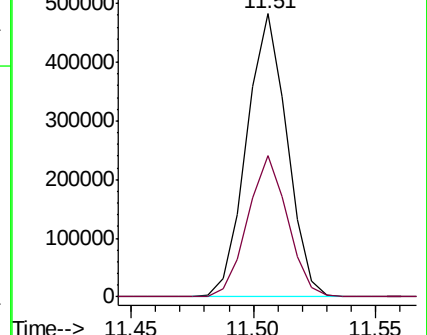
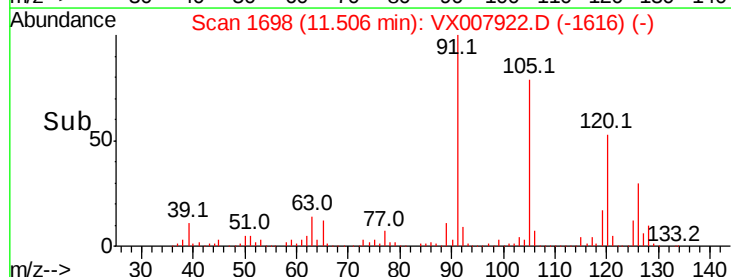
105 100

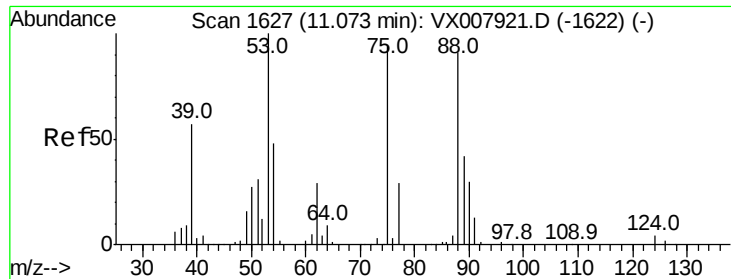
120 49.4 0.0 101.0



Abundance Ion 105.00 (104.70 to 105.70): VX007921.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX007921.D (-1692) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 60.516 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX007922.D

Acq: 08 Mar 2019 10:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 75 Resp: 67203

Ion Ratio Lower Upper

75 100

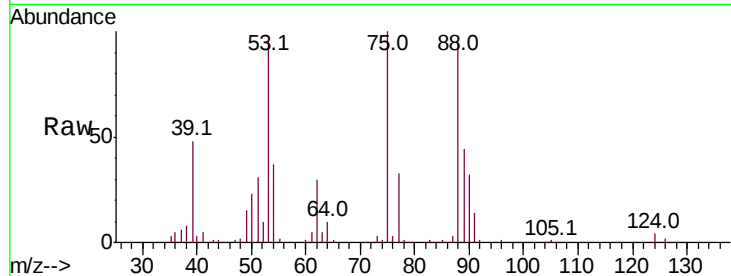
53 94.6 55.5 166.7

89 43.3 24.4 73.2

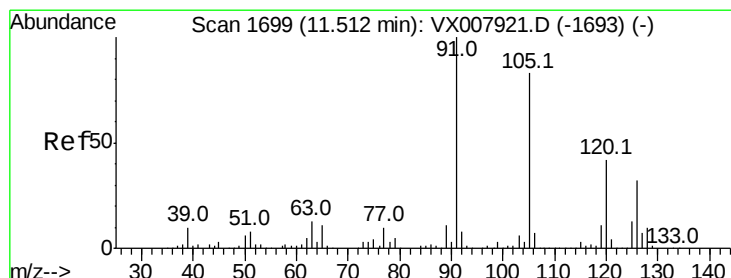
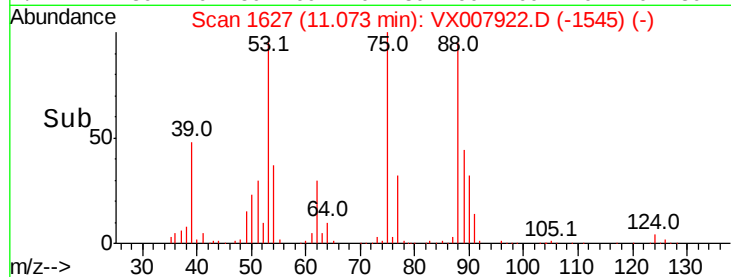
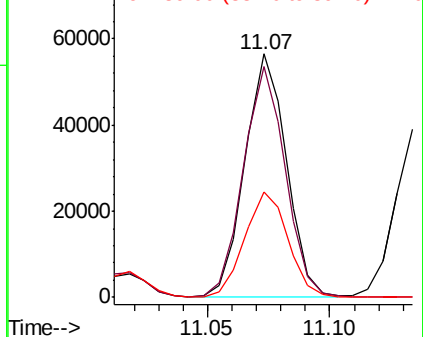
Manual Integrations
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Abundance Ion 75.00 (74.70 to 75.70): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 89.00 (88.70 to 89.70): VX0



#78

4-Chlorotoluene

Concen: 52.970 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX007922.D

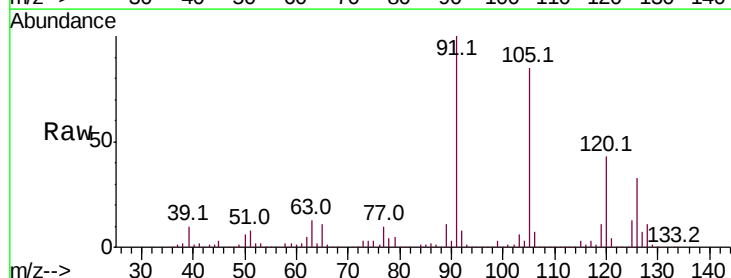
Acq: 08 Mar 2019 10:47

Tgt Ion: 91 Resp: 510936

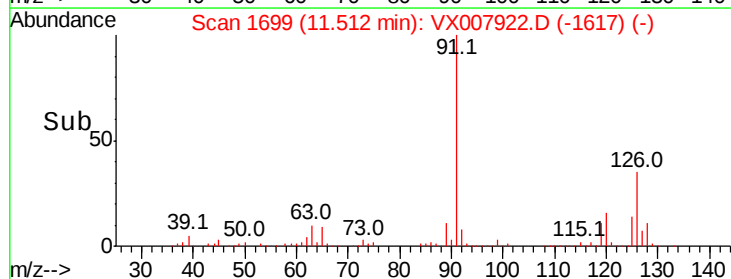
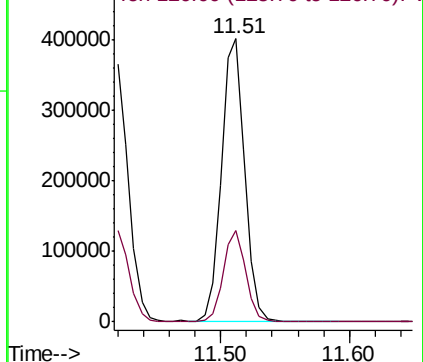
Ion Ratio Lower Upper

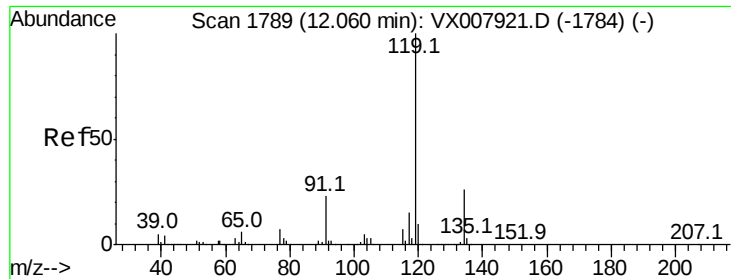
91 100

126 31.1 0.0 66.2



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 126.00 (125.70 to 126.70): V





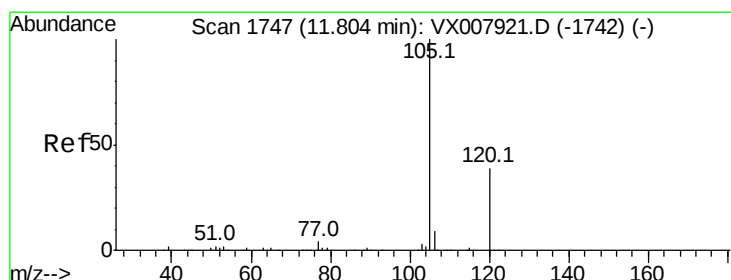
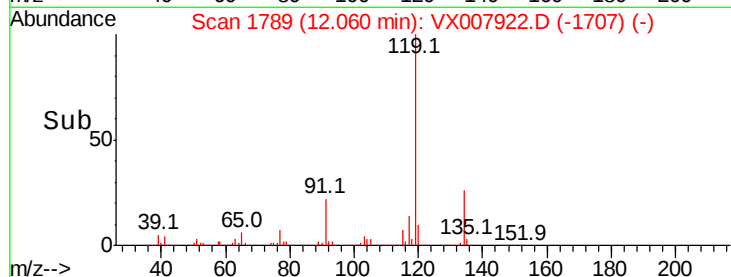
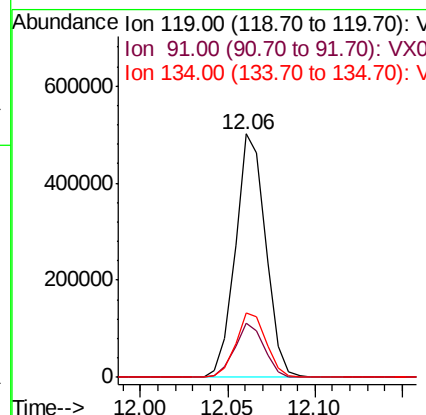
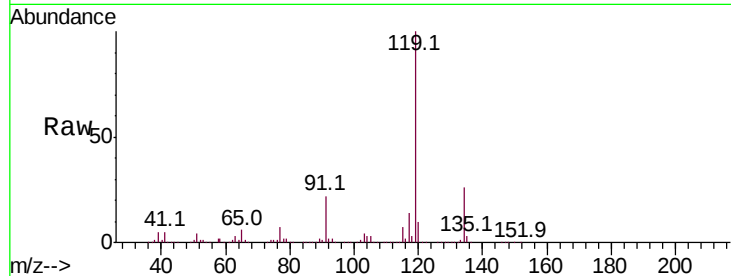
#79
tert-butylbenzene
Concen: 54.538 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX007922.D
Acq: 08 Mar 2019 10:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	601721		
91	21.8	0.0	45.0	
134	26.5	0.0	55.4	

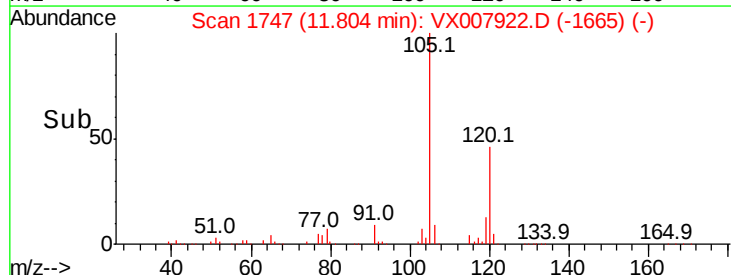
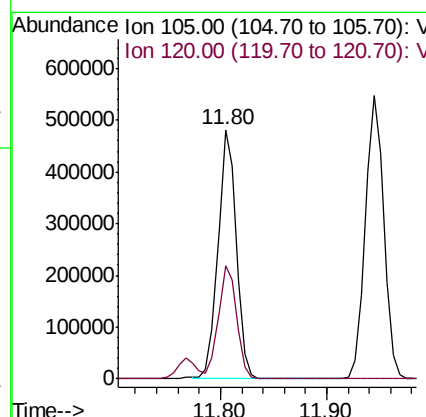
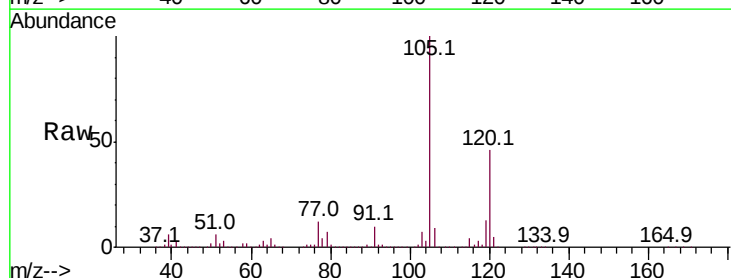
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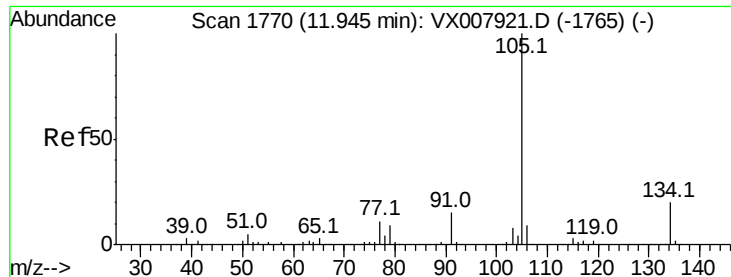
MMDadoda
3/11/2019 9:30:52 AM



#80
1,2,4-Trimethylbenzene
Concen: 53.686 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX007922.D
Acq: 08 Mar 2019 10:47

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	566249		
120	45.5	0.0	94.0	





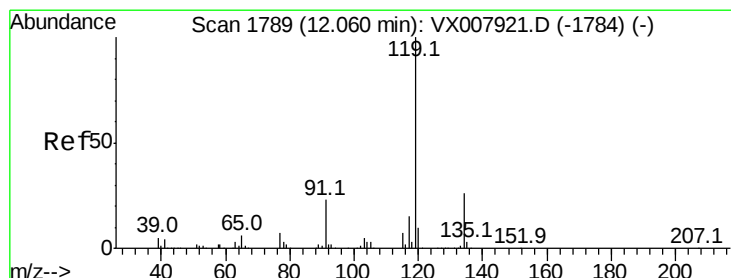
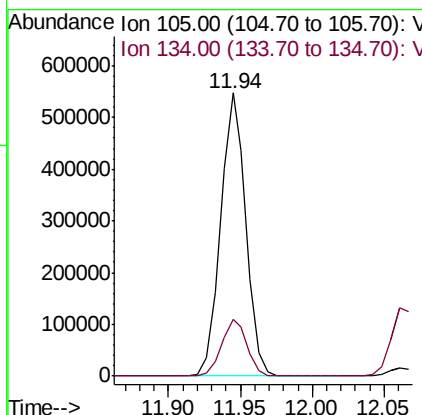
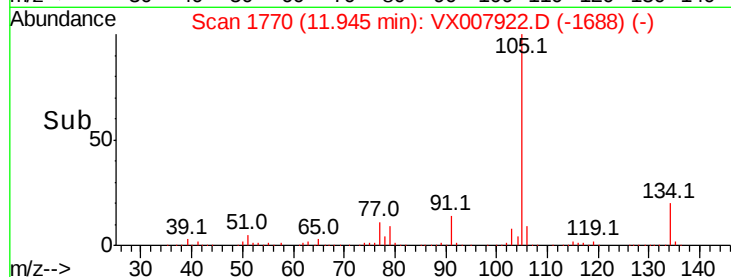
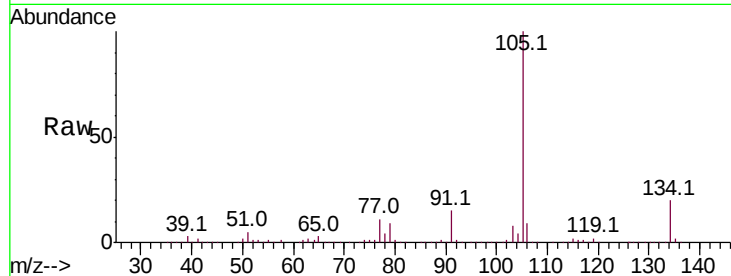
#81
 sec-Butylbenzene
 Concen: 53.970 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX007922.D
 Acq: 08 Mar 2019 10:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
105	100	669665		
134	20.4	0.0	41.8	

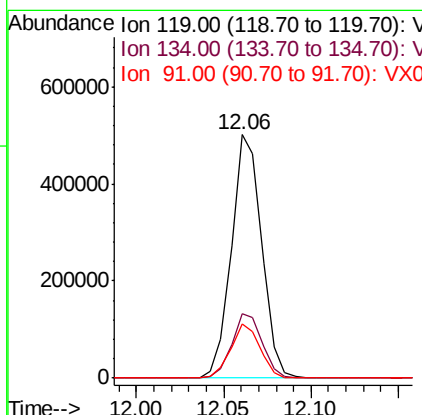
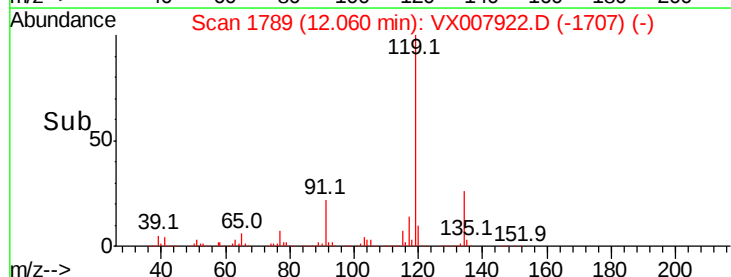
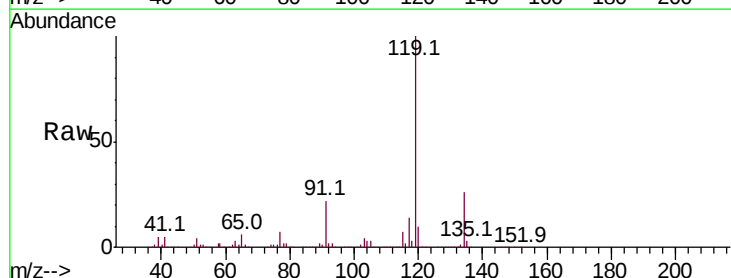
Manual Integrations
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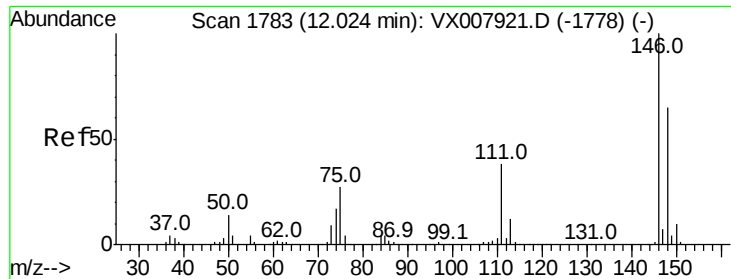
MMDadoda
 3/11/2019 9:30:52 AM



#82
 p-Isopropyltoluene
 Concen: 54.538 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX007922.D
 Acq: 08 Mar 2019 10:47

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	601721		
134	26.5	0.0	55.4	
91	21.8	0.0	45.0	





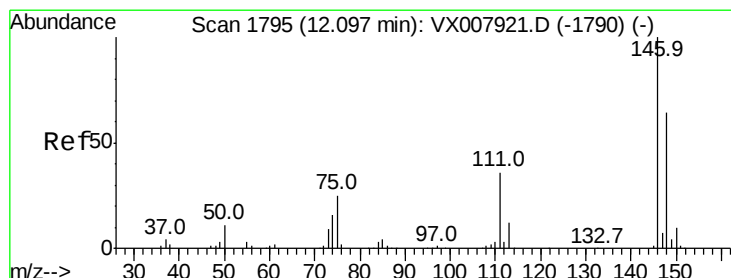
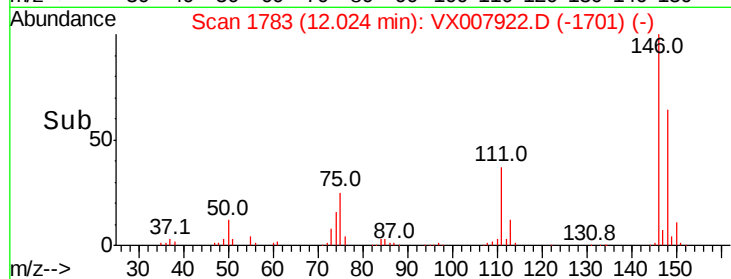
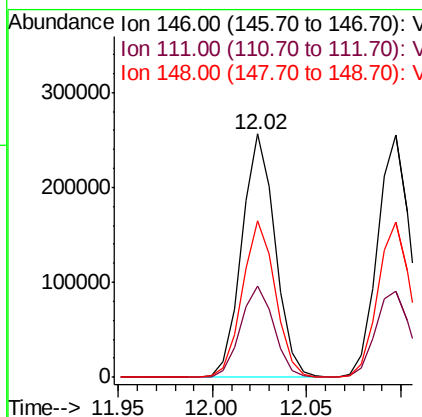
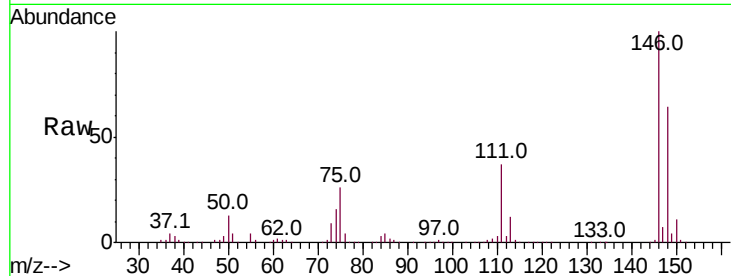
#83
 1,3-Dichlorobenzene
 Concen: 51.430 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX007922.D
 Acq: 08 Mar 2019 10:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.8	56.3
148	63.8	30.6	91.8

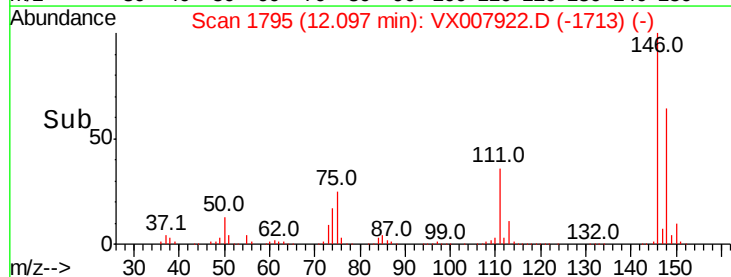
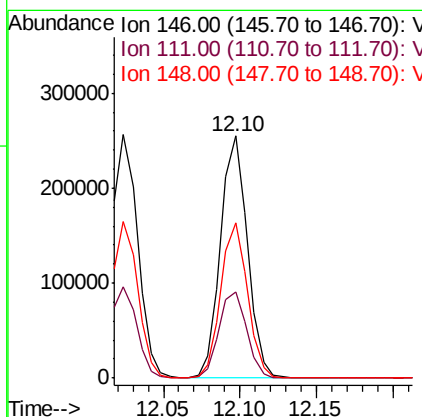
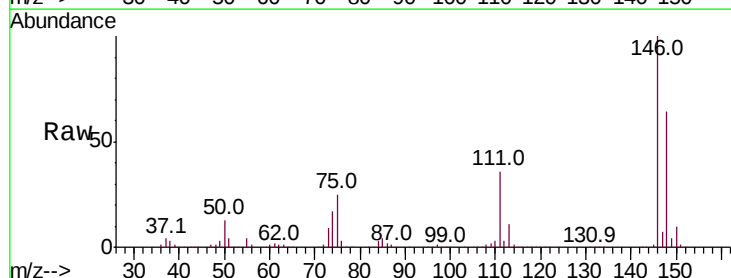
Manual Integrations
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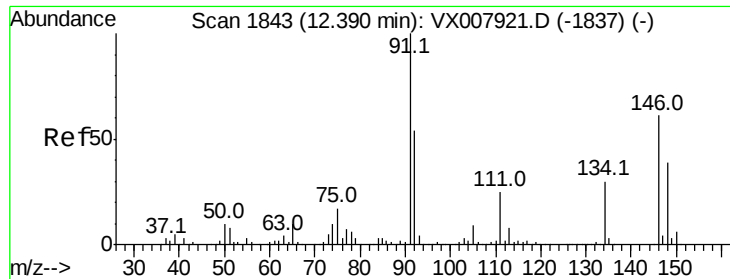
MMDadoda
 3/11/2019 9:30:52 AM



#84
 1,4-Dichlorobenzene
 Concen: 51.138 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX007922.D
 Acq: 08 Mar 2019 10:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	17.6	52.8
148	63.8	31.4	94.2





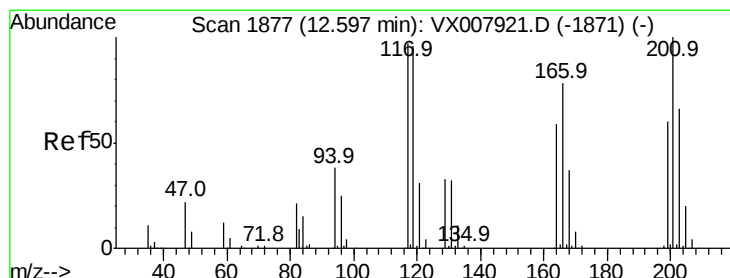
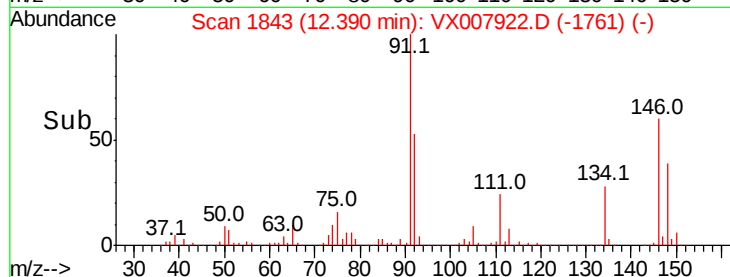
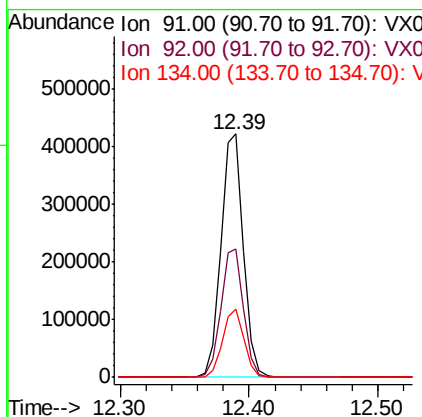
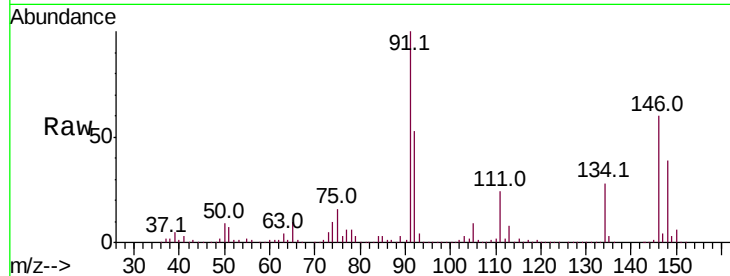
#85
n-Butylbenzene
Concen: 56.230 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX007922.D
Acq: 08 Mar 2019 10:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	514811		
92	53.1	0.0	105.2	
134	27.3	0.0	56.4	

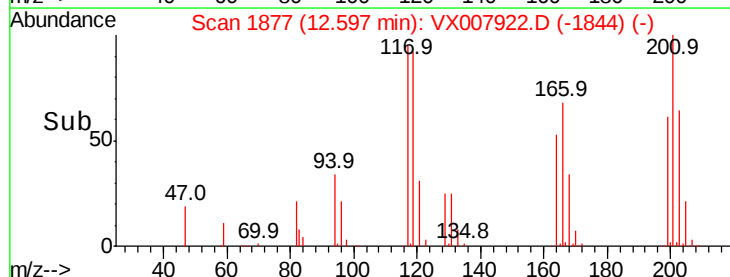
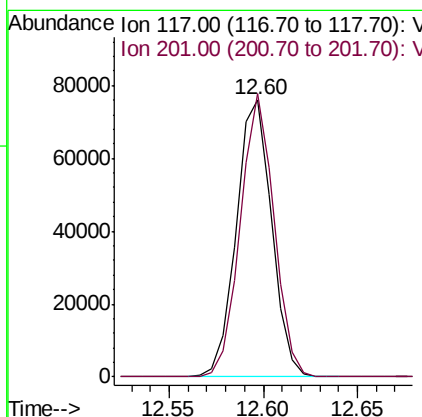
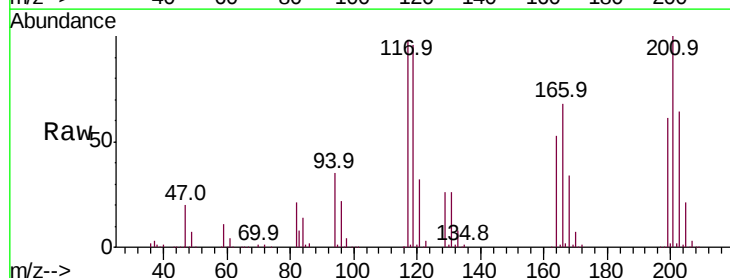
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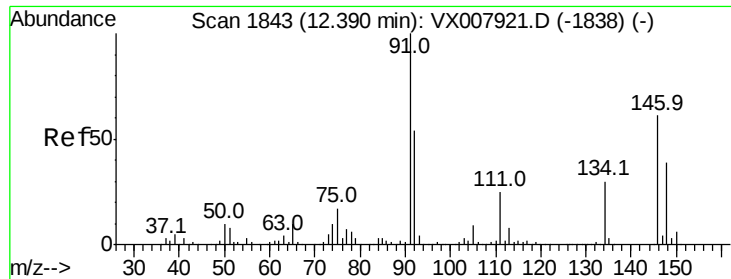
MMDadoda
3/11/2019 9:30:52 AM



#86
Hexachloroethane
Concen: 53.905 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX007922.D
Acq: 08 Mar 2019 10:47

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	98742		
201	97.3	41.1	123.3	





#87

1,2-Dichlorobenzene

Concen: 50.351 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX007922.D

Acq: 08 Mar 2019 10:47

Instrument :

MSVOA_X

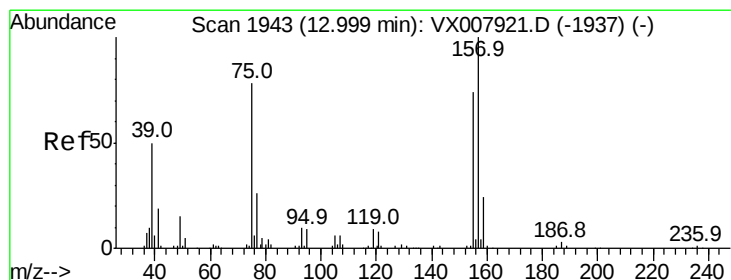
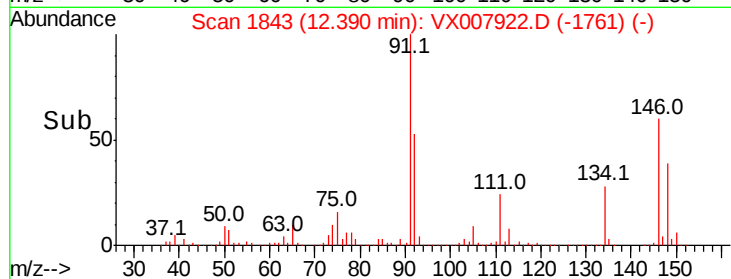
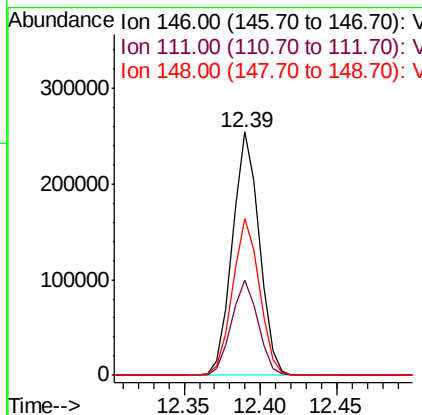
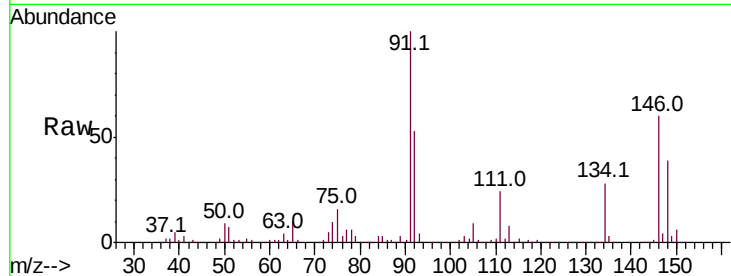
ClientSampleId :

VSTDIC050

Tot Ion:	146	Resp:	308743
Ion Ratio	Lower	Upper	
146	100		
111	39.1	19.3	57.8
148	64.4	32.1	96.3

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3/11/2019 9:30:52 AM



#88

1,2-Dibromo-3-Chloropropane

Concen: 51.318 ug/l

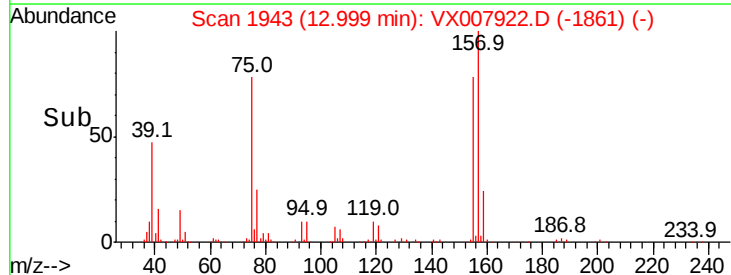
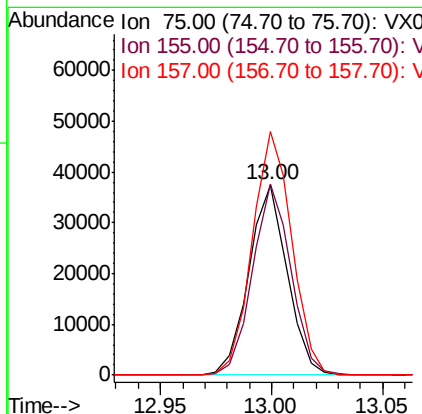
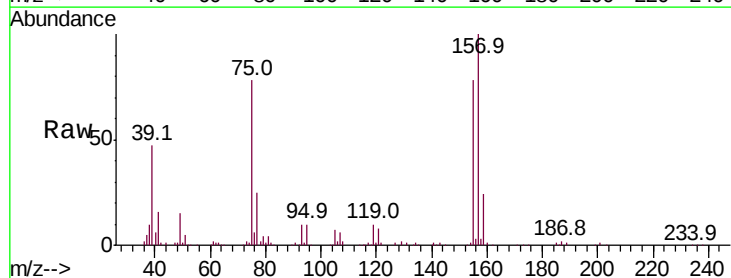
RT: 13.00 min Scan# 1943

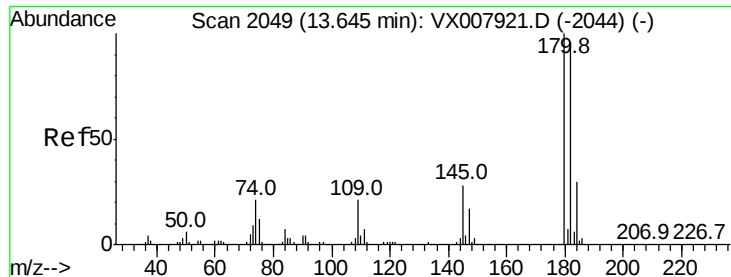
Delta R.T. 0.00 min

Lab File: VX007922.D

Acq: 08 Mar 2019 10:47

Tgt Ion:	75	Resp:	45062
Ion Ratio	Lower	Upper	
75	100		
155	100.1	81.0	121.6
157	131.3	103.2	154.8





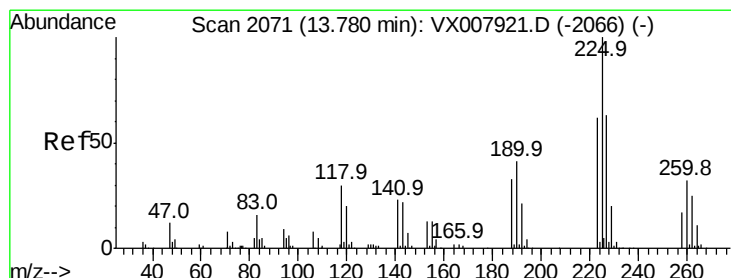
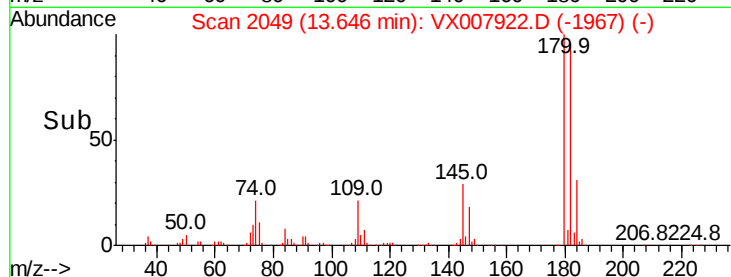
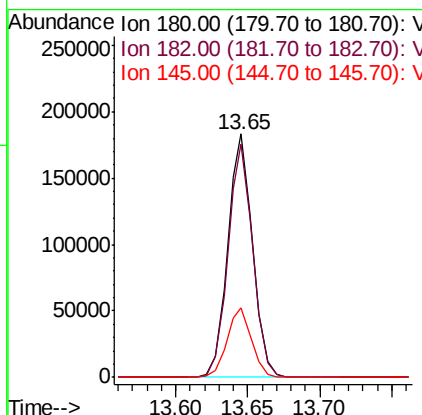
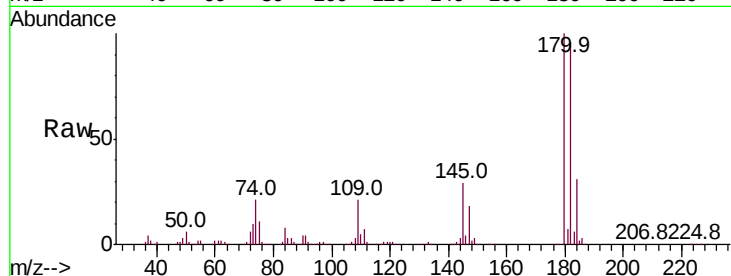
#89
1,2,4-Trichlorobenzene
Concen: 54.887 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. 0.00 min
Lab File: VX007922.D
Acq: 08 Mar 2019 10:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	221045		
182	95.4	75.6	113.4	
145	28.4	23.0	34.6	

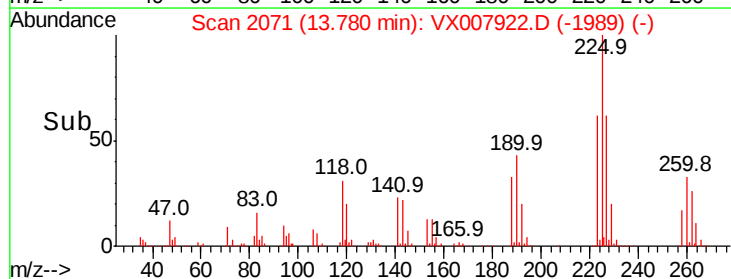
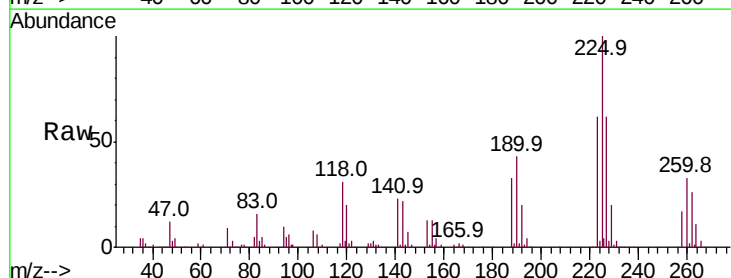
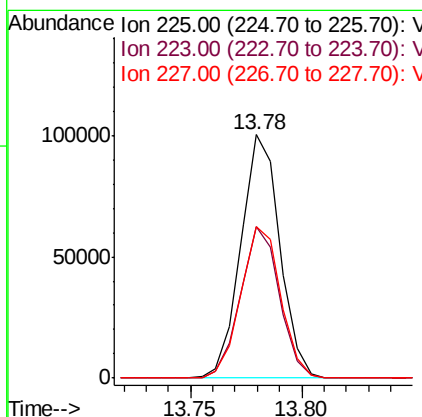
Manual Integrations
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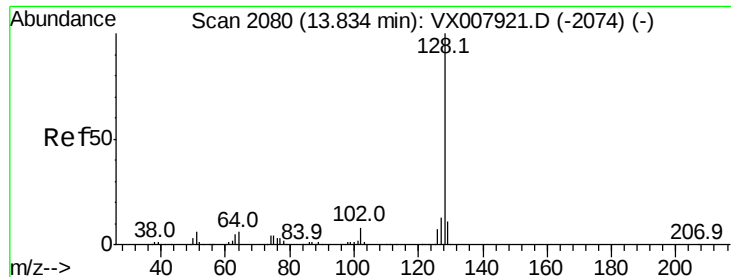
MMDadoda
3/11/2019 9:30:52 AM



#90
Hexachlorobutadiene
Concen: 65.330 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. 0.00 min
Lab File: VX007922.D
Acq: 08 Mar 2019 10:47

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	122927		
223	61.9	0.0	123.8	
227	63.5	0.0	124.4	





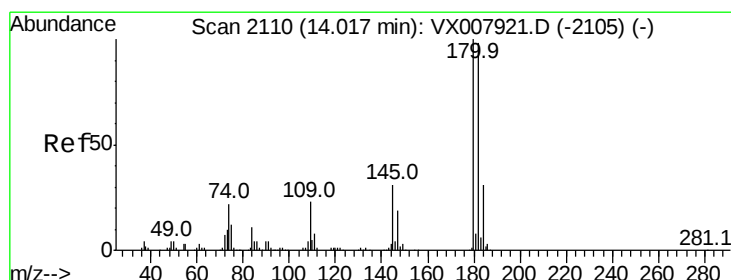
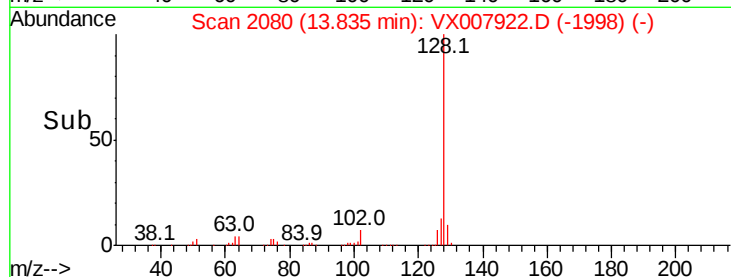
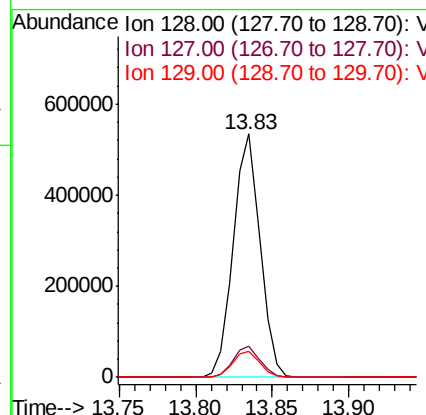
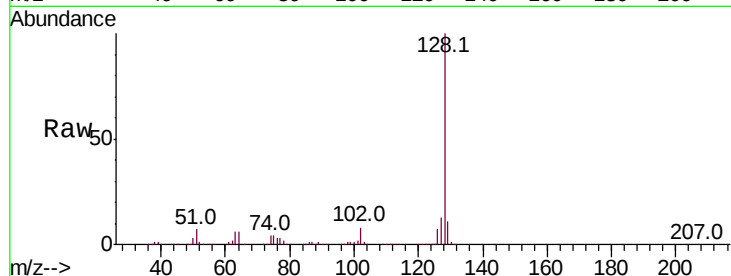
#91
Naphthalene
Concen: 50.500 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX007922.D
Acq: 08 Mar 2019 10:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	10.9	8.9	13.3

Manual Integrations
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MMDadoda
3/11/2019 9:30:52 AM



#92
1,2,3-Trichlorobenzene
Concen: 54.134 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX007922.D
Acq: 08 Mar 2019 10:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	0.0	193.0
145	30.0	0.0	63.0

