

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX031119\
 Data File : VX007967.D
 Acq On : 11 Mar 2019 13:30
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 3/12/2019 1:10:09 PM

Quant Time: Mar 12 08:34:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X030819W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 08 12:01:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	41439	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	220594	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	193707	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	80840	29.68	ug/l	0.00
Spiked Amount 30.000	Range 50 - 169		Recovery =	98.93%		
60) 4-Bromofluorobenzene	11.13	95	91930	29.73	ug/l	0.00
Spiked Amount 30.000	Range 56 - 143		Recovery =	99.10%		
63) Toluene-d8	8.71	98	265356	29.93	ug/l	0.00
Spiked Amount 30.000	Range 66 - 137		Recovery =	99.77%		

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	46103	18.740 ug/l	99
3) Chloromethane	1.33	50	48590	17.762 ug/l	95
4) Vinyl Chloride	1.41	62	49557	18.288 ug/l	97
5) Bromomethane	1.65	94	25027	18.526 ug/l	98
6) Chloroethane	1.73	64	29336	18.537 ug/l	94
7) Trichlorofluoromethane	1.93	101	64218	19.031 ug/l	99
8) Diethyl Ether	2.19	74	34753	19.999 ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.39	101	48668	19.184 ug/l	98
10) 1,1-Dichloroethene	2.38	96	48051	19.983 ug/l	91
11) Methyl Iodide	2.51	142	57873	15.375 ug/l	94
12) Methyl Acetate	2.78	43	73490	19.325 ug/l	96
13) Acrolein	2.30	56	45543	102.079 ug/l	97
14) Acrylonitrile	3.15	53	161574	100.087 ug/l	99
15) Acetone	2.45	58	45620	78.272 ug/l	98
16) Carbon Disulfide	2.57	76	147846	19.597 ug/l	99
17) Allyl chloride	2.73	41	95874	19.448 ug/l	89
18) Methylene Chloride	2.86	84	53575	19.557 ug/l	98
19) trans-1,2-Dichloroethene	3.17	96	50551	19.869 ug/l	98
20) Diisopropyl ether	3.87	45	177733	19.707 ug/l	93
21) 1,1-Dichloroethane	3.70	63	97228	19.822 ug/l	99
22) cis-1,2-Dichloroethene	4.60	96	57971	19.753 ug/l	91
23) tert-Butyl Alcohol	3.07	59	63655	97.739 ug/l	# 100
24) Methyl tert-Butyl Ether	3.21	73	167294	20.235 ug/l	95
25) Chloroform	5.21	83	91453	19.754 ug/l	100
26) Cyclohexane	5.58	56	86613	19.110 ug/l	# 92
29) 1,1-Dichloropropene	5.80	75	69220	19.790 ug/l	97
30) 2-Butanone	4.70	43	221042	93.699 ug/l	97
31) 2,2-Dichloropropane	4.59	77	64968	20.110 ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	77586	20.513 ug/l	99
33) Carbon Tetrachloride	5.78	117	67562	20.139 ug/l	96
34) Benzene	6.15	78	218255	20.362 ug/l	98
35) Methacrylonitrile	5.06	41	46668	20.301 ug/l	92
36) 1,2-Dichloroethane	6.20	62	69750	20.001 ug/l	98
37) Trichloroethene	7.21	130	59287	20.415 ug/l	94
38) Methylcyclohexane	7.46	83	83838	18.853 ug/l	96
39) 1,2-Dichloropropane	7.52	63	57049	20.408 ug/l	99
40) Dibromomethane	7.66	93	35719	20.144 ug/l	90

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	67468	20.130	ug/l	99
42) Vinyl Acetate	3.82	43	778204	101.907	ug/l	97
43) Ethyl Acetate	4.85	43	80487	19.587	ug/l #	81
44) Isopropyl Acetate	6.46	43	125987	20.094	ug/l	98
45) 1,4-Dioxane	7.75	88	23331	355.676	ug/l	90
46) Methyl methacrylate	7.77	41	65550	19.879	ug/l	90
47) n-amyl Acetate	10.90	43	106566	19.726	ug/l	98
48) t-1,3-Dichloropropene	9.04	75	72814	20.060	ug/l	99
49) cis-1,3-Dichloropropene	8.43	75	81664	19.868	ug/l	96
50) 1,1,2-Trichloroethane	9.21	97	55412	20.502	ug/l	96
51) Ethyl methacrylate	9.18	69	82097	20.029	ug/l	93
52) 1,3-Dichloropropane	9.37	76	91095	20.398	ug/l	100
53) Dibromochloromethane	9.58	129	56430	20.298	ug/l	100
54) 1,2-Dibromoethane	9.67	107	58322	20.640	ug/l	98
55) 2-Chloroethyl vinyl ether	8.31	63	183675	96.346	ug/l	99
56) Bromoform	10.85	173	44215	19.939	ug/l #	97
58) 4-Methyl-2-Pentanone	8.65	43	413136	103.591	ug/l	99
59) 2-Hexanone	9.49	43	311028	98.797	ug/l	99
61) Tetrachloroethene	9.34	164	58801	20.809	ug/l	96
62) Toluene	8.79	91	228075	20.164	ug/l	99
64) Chlorobenzene	10.14	112	145781	20.222	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.22	131	54080	20.952	ug/l	99
66) Ethyl Benzene	10.25	91	241871	19.908	ug/l	98
67) m/p-Xylenes	10.36	106	185917	39.908	ug/l	97
68) o-Xylene	10.70	106	90134	19.925	ug/l	97
69) Styrene	10.71	104	149385	20.042	ug/l	99
70) Isopropylbenzene	11.02	105	242736	20.081	ug/l	97
71) 1,1,2,2-Tetrachloroethane	11.27	83	82559	20.680	ug/l	98
72) 1,2,3-Trichloropropane	11.29	75	77910m	20.704	ug/l	
73) Bromobenzene	11.26	156	65667	20.434	ug/l	97
74) n-propylbenzene	11.36	91	268537	19.695	ug/l	99
75) 2-Chlorotoluene	11.42	91	163293	19.981	ug/l	96
76) 1,3,5-Trimethylbenzene	11.51	105	200988	20.063	ug/l	98
77) t-1,4-Dichloro-2-butene	11.07	75	21849	18.792	ug/l	93
78) 4-Chlorotoluene	11.51	91	184133	19.927	ug/l	96
79) tert-butylbenzene	12.06	119	213296	19.841	ug/l	98
80) 1,2,4-Trimethylbenzene	11.80	105	207116	20.371	ug/l	97
81) sec-Butylbenzene	11.94	105	237311	19.708	ug/l	99
82) p-Isopropyltoluene	12.06	119	213296	19.841	ug/l	98
83) 1,3-Dichlorobenzene	12.02	146	113973	19.920	ug/l	97
84) 1,4-Dichlorobenzene	12.10	146	113975	19.910	ug/l	99
85) n-Butylbenzene	12.38	91	174975	19.032	ug/l	99
86) Hexachloroethane	12.60	117	33691	19.234	ug/l	82
87) 1,2-Dichlorobenzene	12.39	146	115076	20.351	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.00	75	16239	19.914	ug/l	99
89) 1,2,4-Trichlorobenzene	13.65	180	80324	19.766	ug/l	99
90) Hexachlorobutadiene	13.78	225	42615	19.014	ug/l	97
91) Naphthalene	13.83	128	239209	20.535	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	81161	20.093	ug/l	99

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ClientSampleId :
VSTDCCC020EC

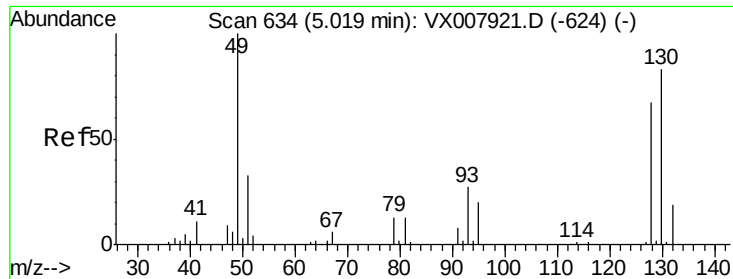
Manual Integrations
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Response via : Initial Calibration

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: 5.03 min Scan# 635

Delta R.T. 0.01 min

Lab File: VX007967.D

Acq: 11 Mar 2019 13:30

Instrument :

MSVOA_X

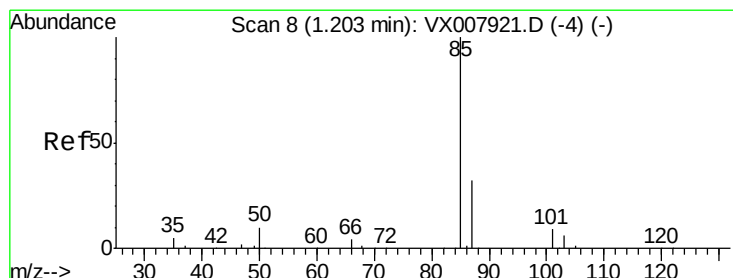
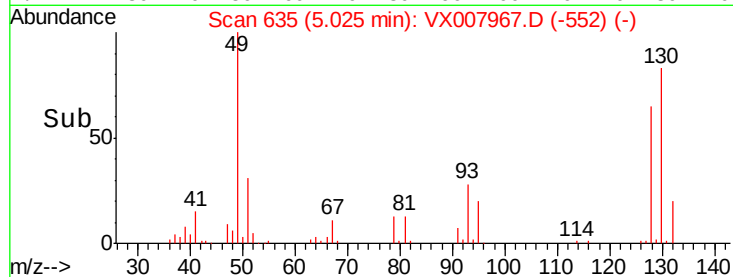
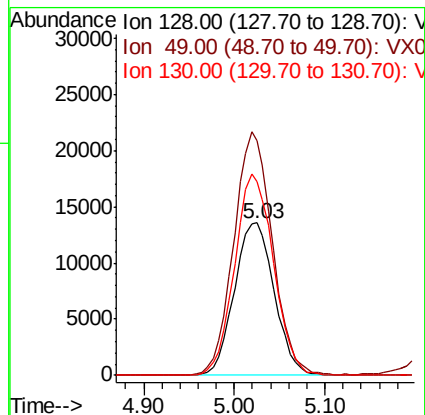
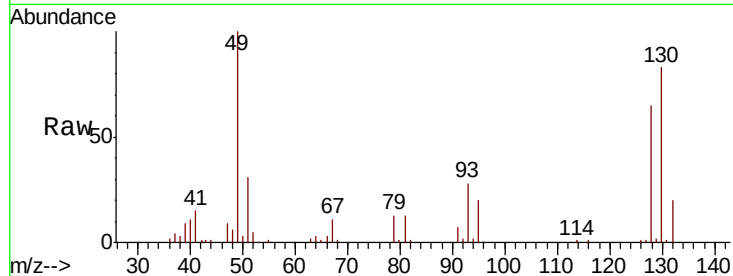
ClientSampleId :

VSTDCCC020EC

Tgt Ion:	128	Resp:	41439
Ion	Ratio	Lower	Upper
128	100		
49	154.7	0.0	350.8
130	129.2	0.0	325.8

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 18.740 ug/l

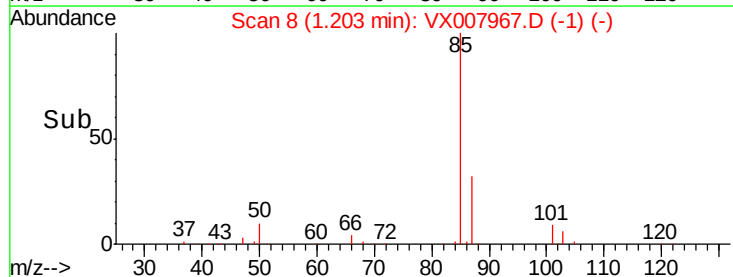
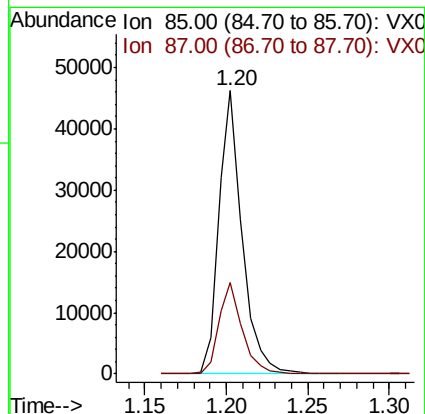
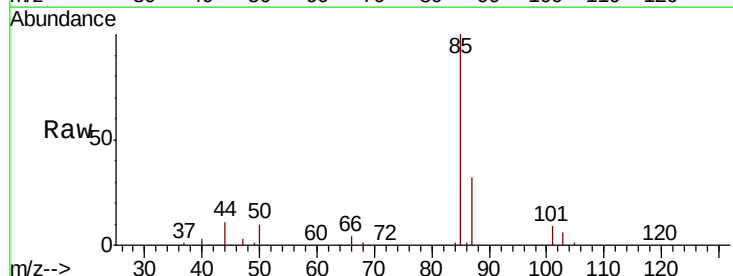
RT: 1.20 min Scan# 8

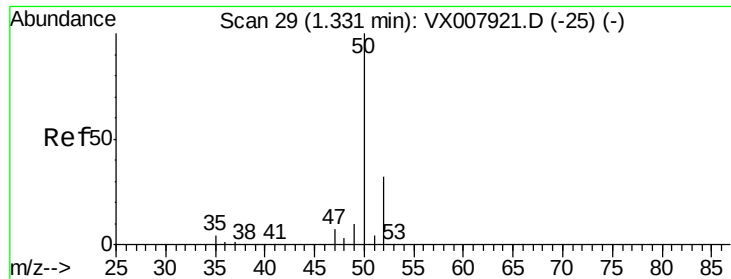
Delta R.T. 0.00 min

Lab File: VX007967.D

Acq: 11 Mar 2019 13:30

Tgt Ion:	85	Resp:	46103
Ion	Ratio	Lower	Upper
85	100		
87	32.5	16.6	49.8





#3

Chloromethane

Concen: 17.762 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007967.D

Acq: 11 Mar 2019 13:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 50 Resp: 48590

Ion Ratio Lower Upper

50 100

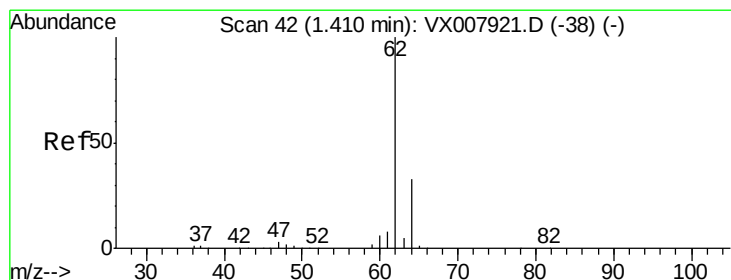
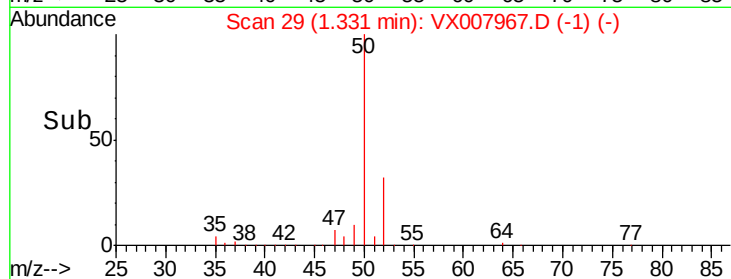
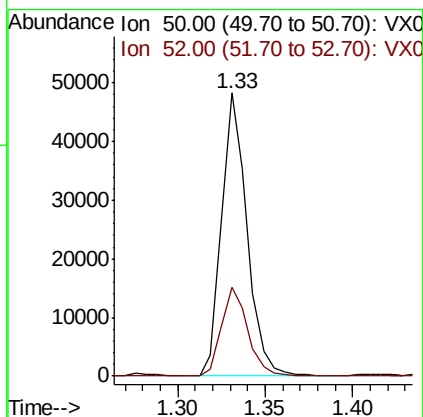
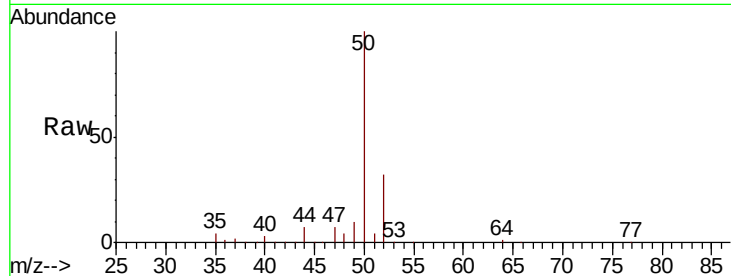
52 31.6 27.5 41.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.288 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007967.D

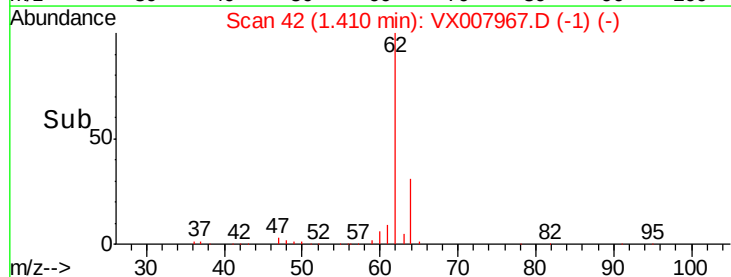
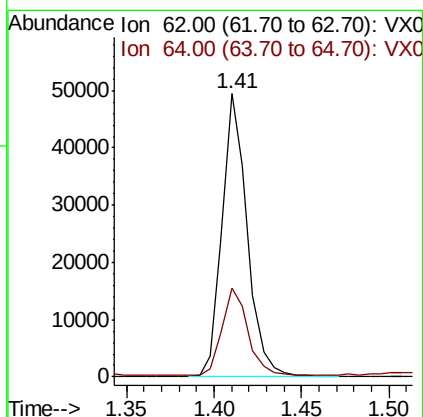
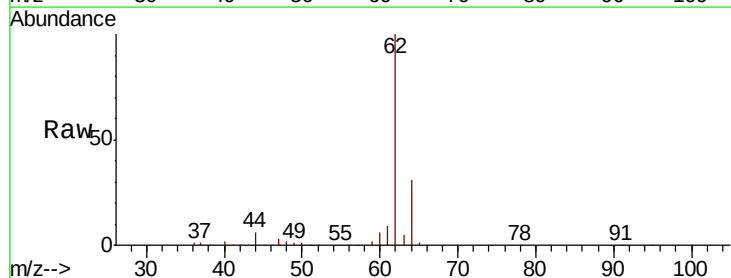
Acq: 11 Mar 2019 13:30

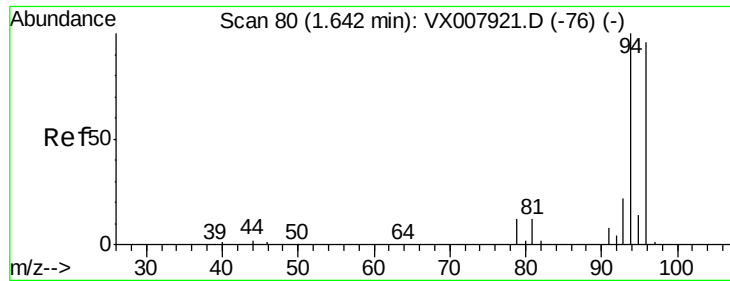
Tgt Ion: 62 Resp: 49557

Ion Ratio Lower Upper

62 100

64 30.8 25.9 38.9





#5

Bromomethane

Concen: 18.526 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX007967.D

Acq: 11 Mar 2019 13:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 94 Resp: 25027

Ion Ratio Lower Upper

94 100

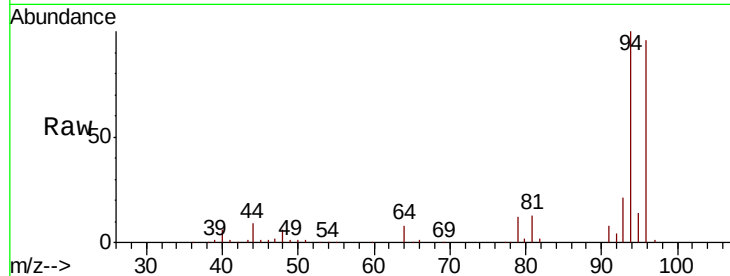
96 96.5 75.6 113.4

Manual Integrations

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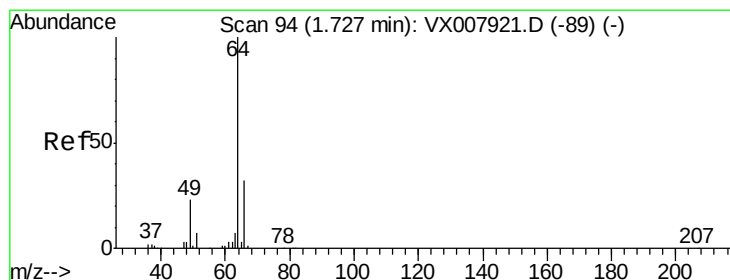
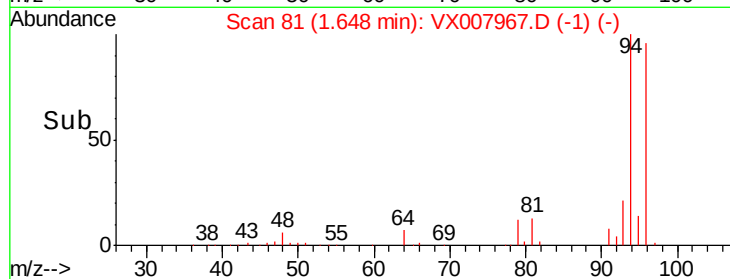
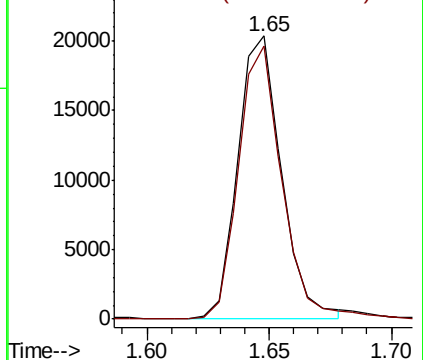
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Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 18.537 ug/l

RT: 1.73 min Scan# 95

Delta R.T. 0.01 min

Lab File: VX007967.D

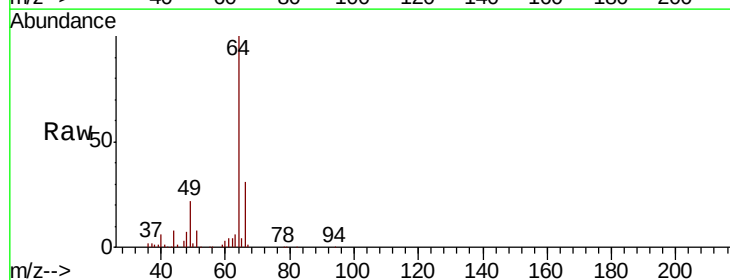
Acq: 11 Mar 2019 13:30

Tgt Ion: 64 Resp: 29336

Ion Ratio Lower Upper

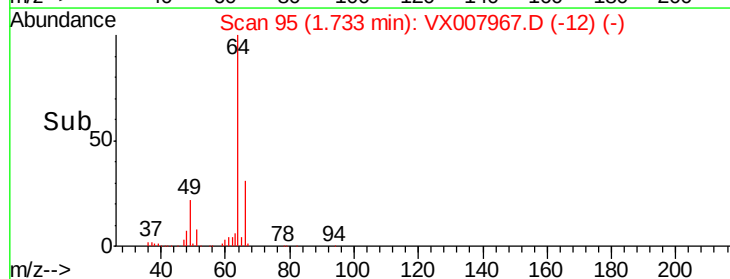
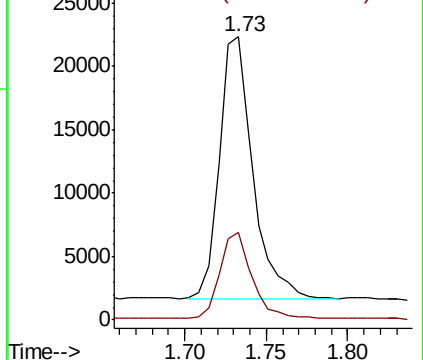
64 100

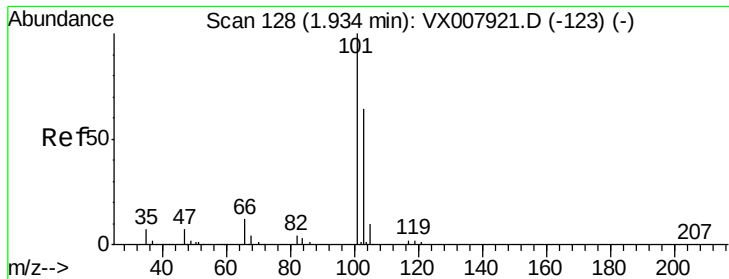
66 32.9 23.9 35.9



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0





#7

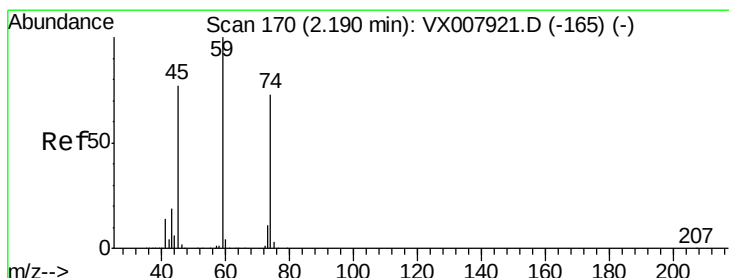
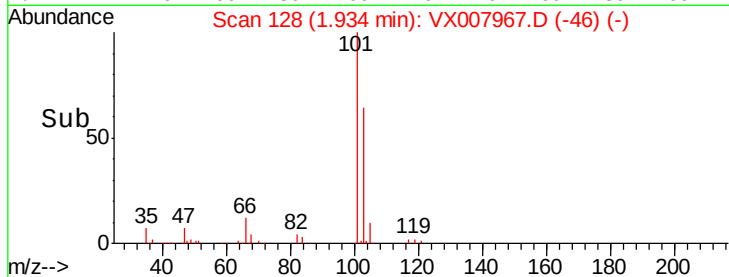
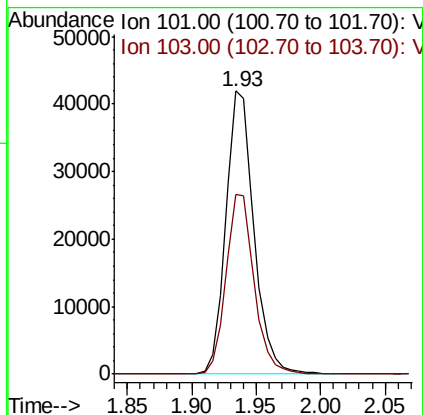
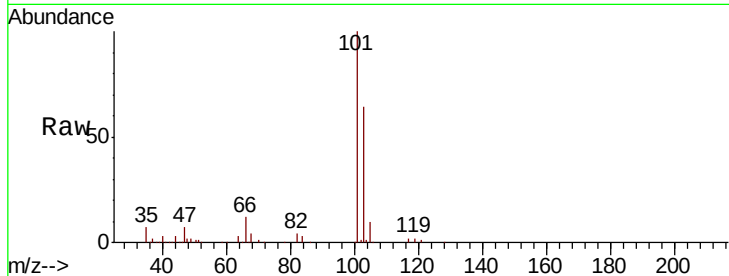
Trichlorofluoromethane
 Concen: 19.031 ug/l
 RT: 1.93 min Scan# 128
 Delta R.T. 0.00 min
 Lab File: VX007967.D
 Acq: 11 Mar 2019 13:30

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Tgt Ion	Ratio	Lower	Upper
101	100		
103	63.6	50.4	75.6

Manual Integrations
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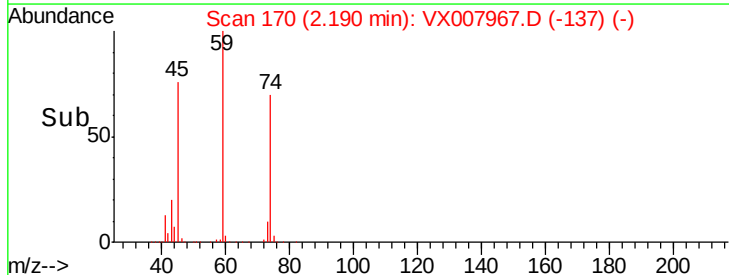
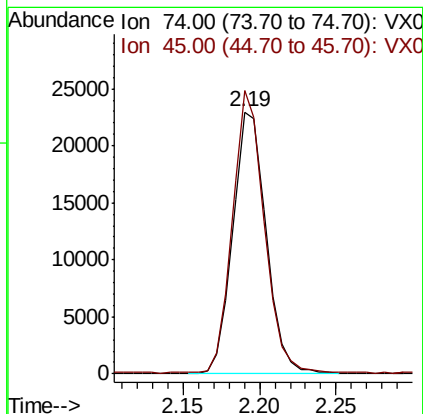
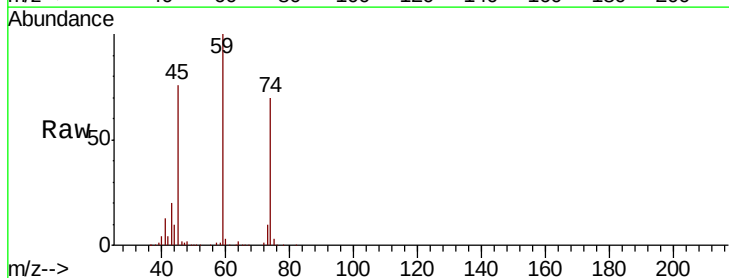
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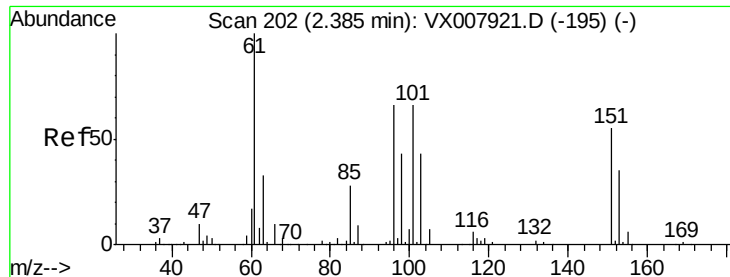


#8

Diethyl Ether
 Concen: 19.999 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX007967.D
 Acq: 11 Mar 2019 13:30

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.2	18.6	167.8





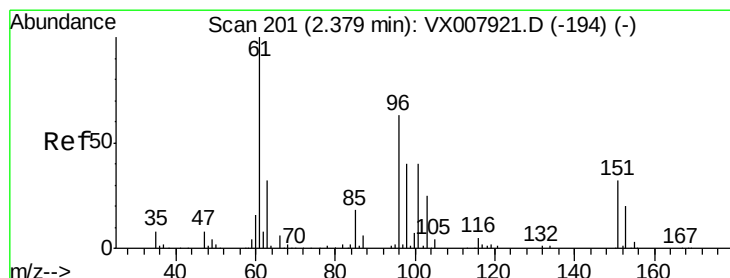
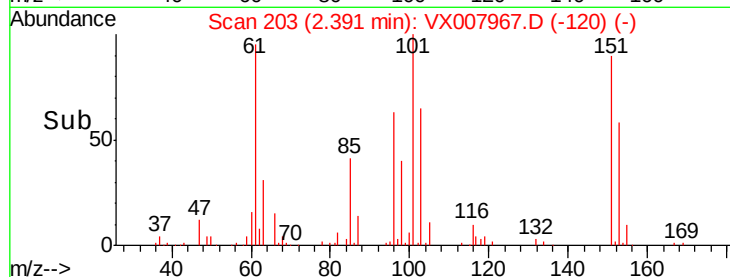
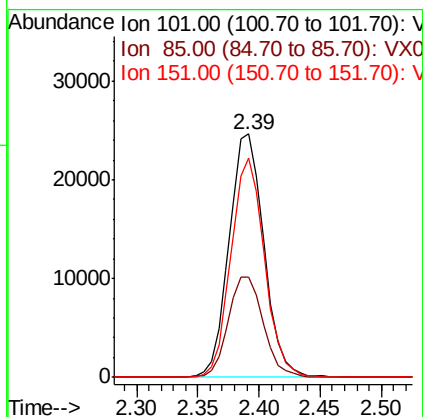
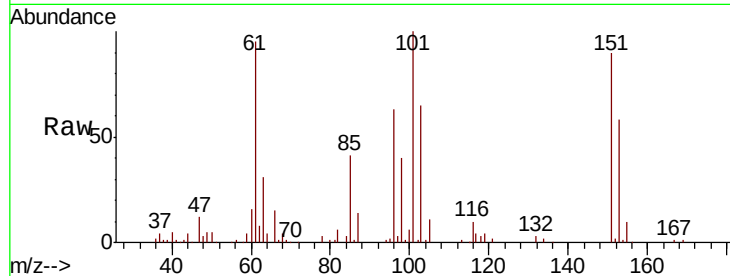
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.184 ug/l
 RT: 2.39 min Scan# 203
 Delta R.T. 0.01 min
 Lab File: VX007967.D
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Instrument :
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 ClientSampleId :
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Tgt Ion: 101 Resp: 48668
 Ion Ratio Lower Upper
 101 100
 85 41.7 0.0 86.8
 151 86.7 0.0 169.2

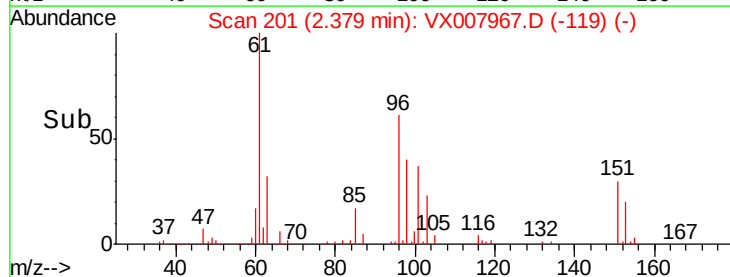
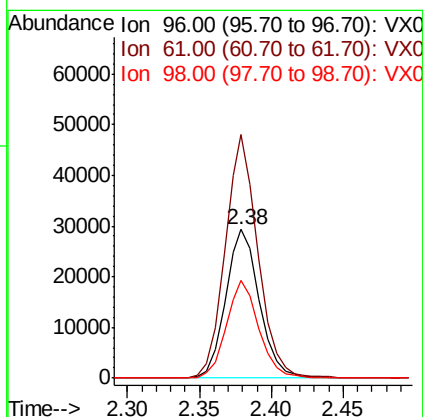
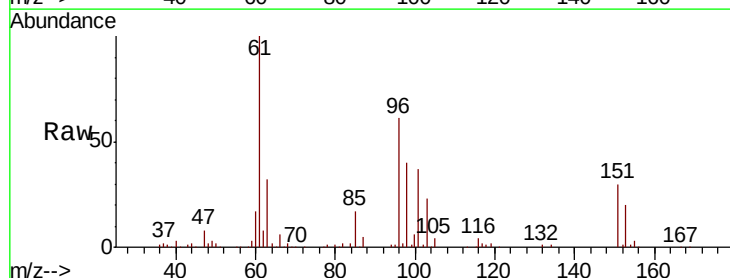
Manual Integrations
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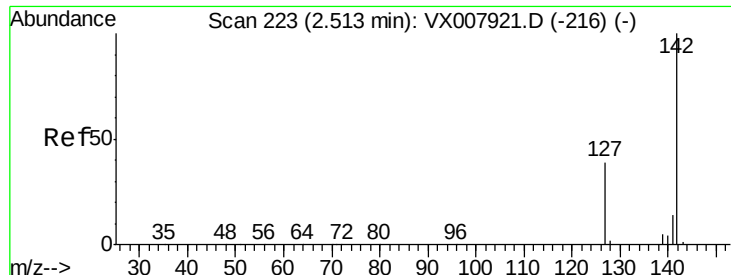
MMDadoda
 3/12/2019 1:10:09 PM



#10
 1,1-Dichloroethene
 Concen: 19.983 ug/l
 RT: 2.38 min Scan# 201
 Delta R.T. 0.00 min
 Lab File: VX007967.D
 Acq: 11 Mar 2019 13:30

Tgt Ion: 96 Resp: 48051
 Ion Ratio Lower Upper
 96 100
 61 163.4 120.2 180.2
 98 65.6 49.0 73.4





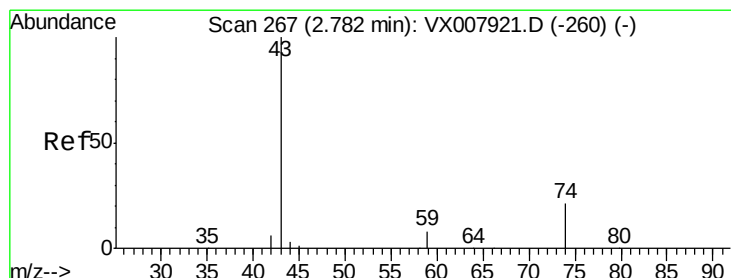
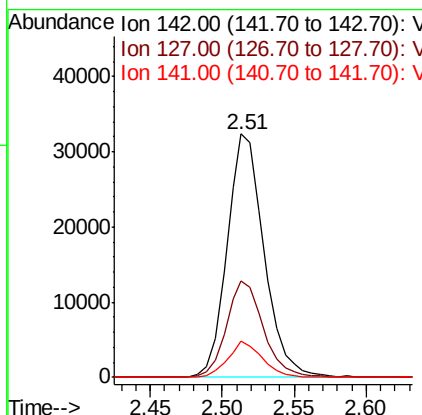
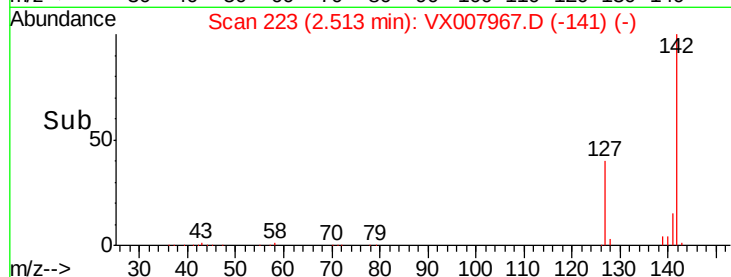
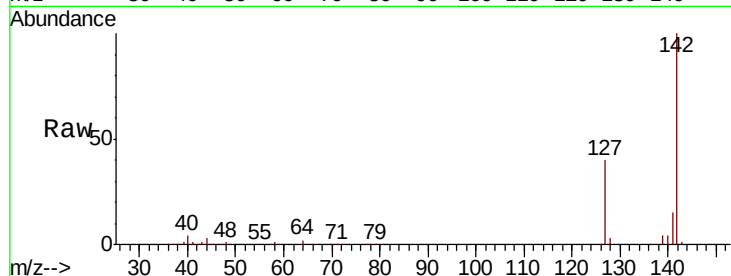
#11
Methyl Iodide
Concen: 15.375 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.00 min
Lab File: VX007967.D
Acq: 11 Mar 2019 13:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
142	100		
127	39.4	22.1	66.5
141	14.7	7.4	22.3

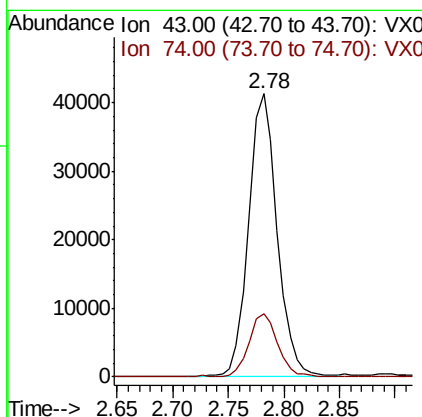
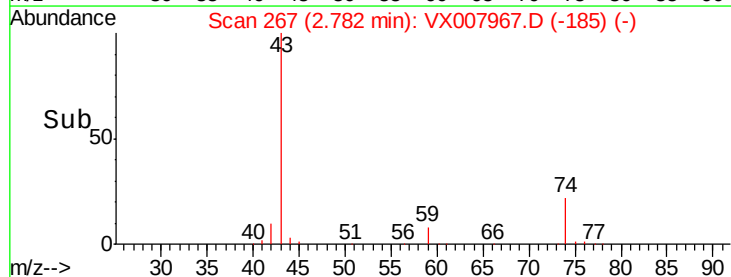
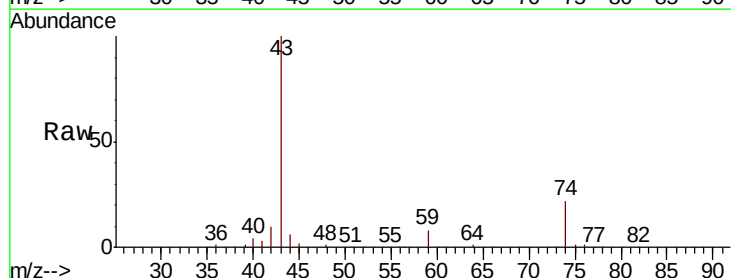
Manual Integrations
APPROVED

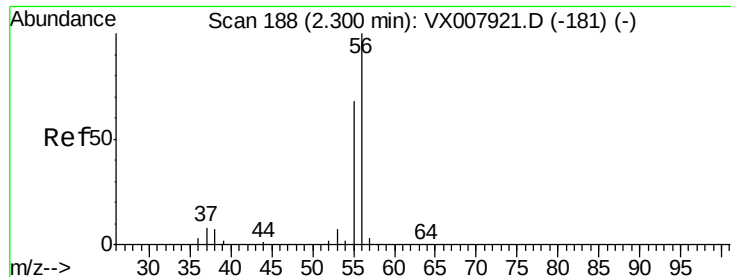
MMDadoda
3/12/2019 1:10:09 PM



#12
Methyl Acetate
Concen: 19.325 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX007967.D
Acq: 11 Mar 2019 13:30

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.4	19.4	29.0





#13

Acrolein

Concen: 102.079 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.00 min

Lab File: VX007967.D

Acq: 11 Mar 2019 13:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 56 Resp: 45543

Ion Ratio Lower Upper

56 100

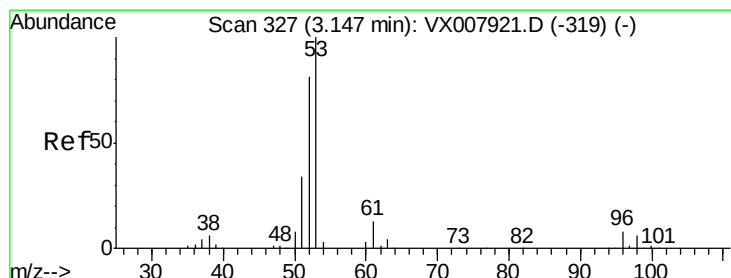
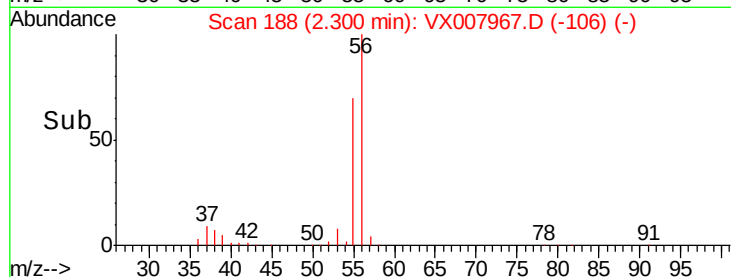
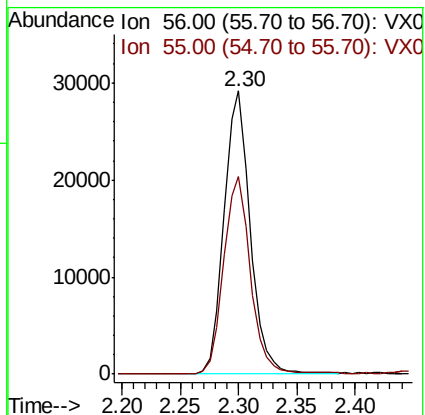
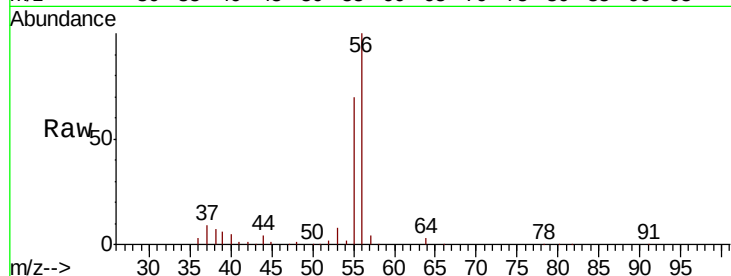
55 71.1 58.6 87.8

Manual Integrations

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#14

Acrylonitrile

Concen: 100.087 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX007967.D

Acq: 11 Mar 2019 13:30

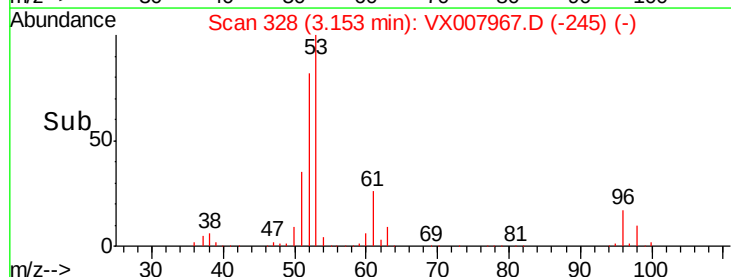
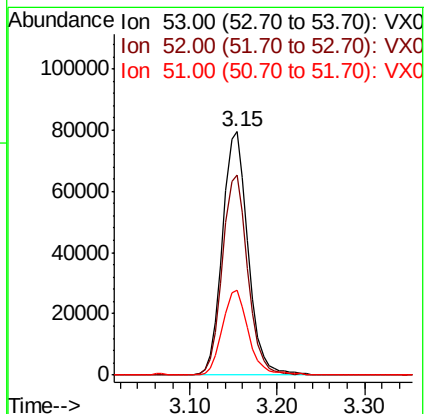
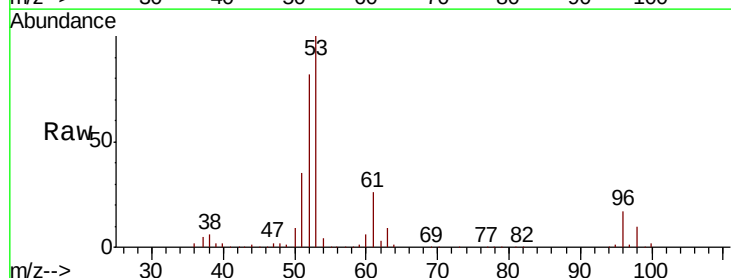
Tgt Ion: 53 Resp: 161574

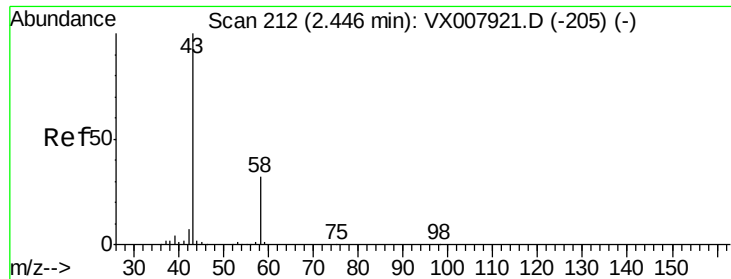
Ion Ratio Lower Upper

53 100

52 81.6 41.3 124.1

51 35.7 17.5 52.6





#15

Acetone

Concen: 78.272 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX007967.D

Acq: 11 Mar 2019 13:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 58 Resp: 45620

Ion Ratio Lower Upper

58 100

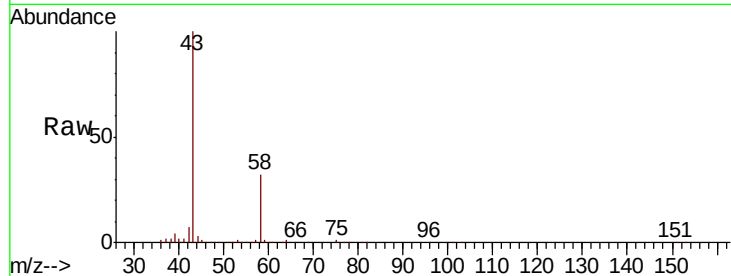
43 308.5 249.8 374.6

Manual Integrations

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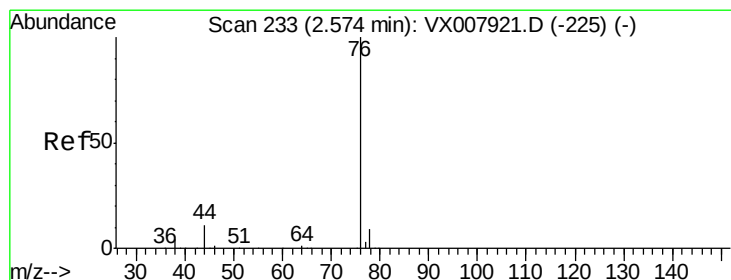
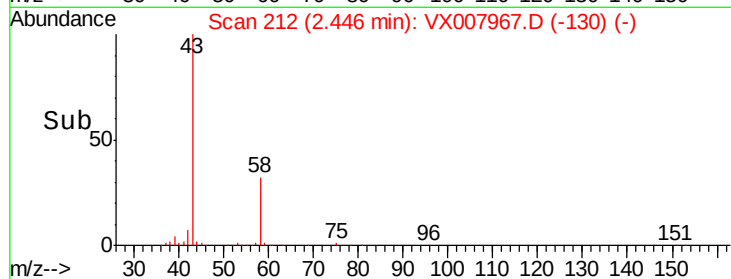
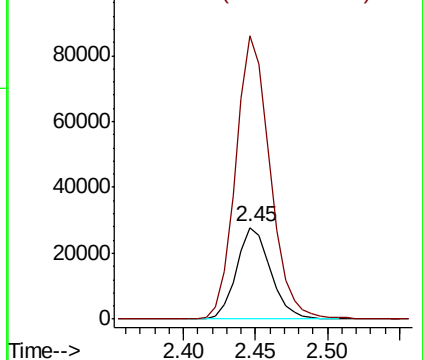
MMDadoda

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Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 19.597 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX007967.D

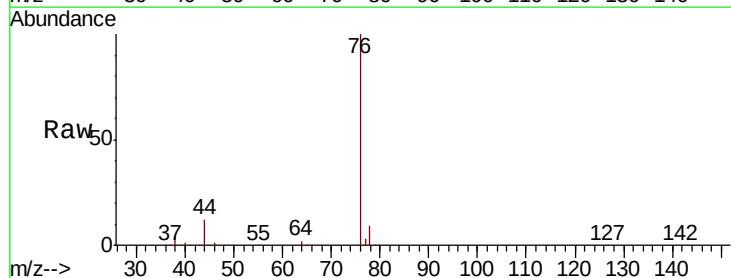
Acq: 11 Mar 2019 13:30

Tgt Ion: 76 Resp: 147846

Ion Ratio Lower Upper

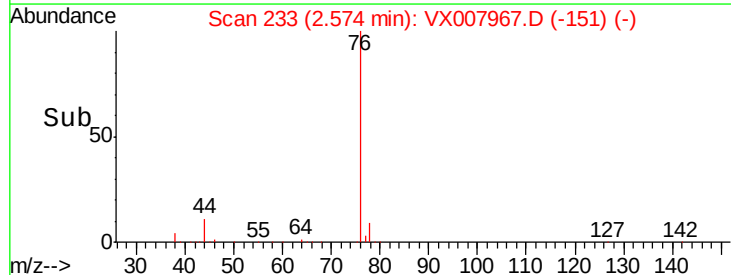
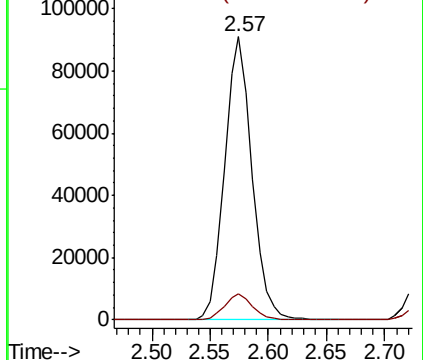
76 100

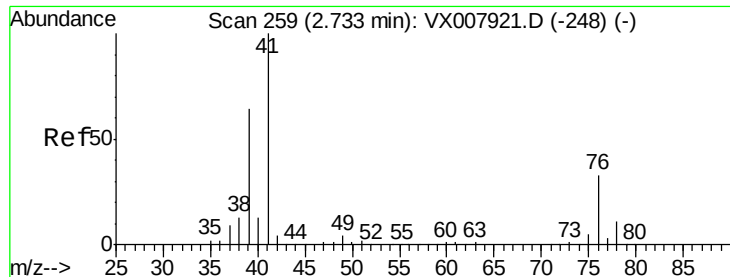
78 9.1 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





#17

Allyl chloride

Concen: 19.448 ug/l

RT: 2.73 min Scan# 259

Delta R.T. 0.00 min

Lab File: VX007967.D

Acq: 11 Mar 2019 13:30

Instrument :

MSVOA_X

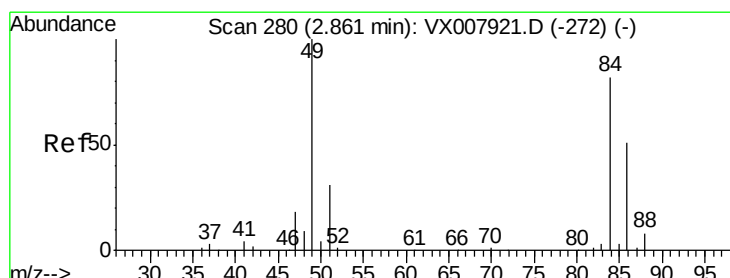
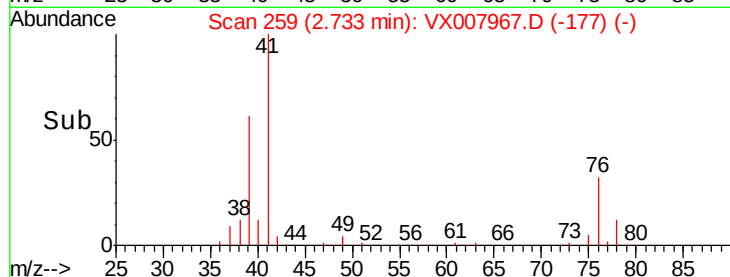
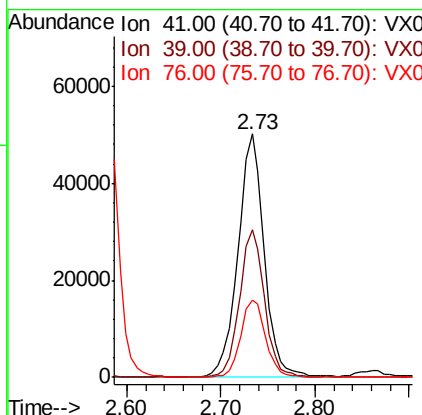
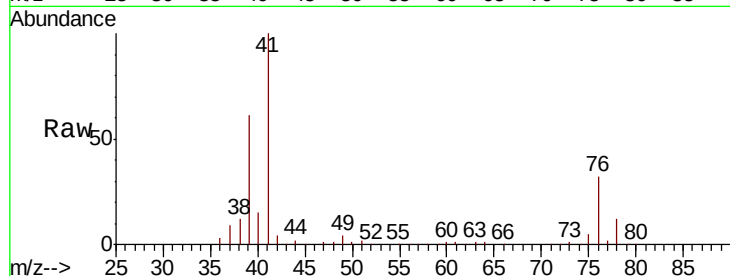
ClientSampleId :

VSTDCCC020EC

Tgt Ion:	41	Resp:	95874
Ion	Ratio	Lower	Upper
41	100		
39	60.8	35.8	107.4
76	31.8	18.3	54.9

Manual Integrations
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#18

Methylene Chloride

Concen: 19.557 ug/l

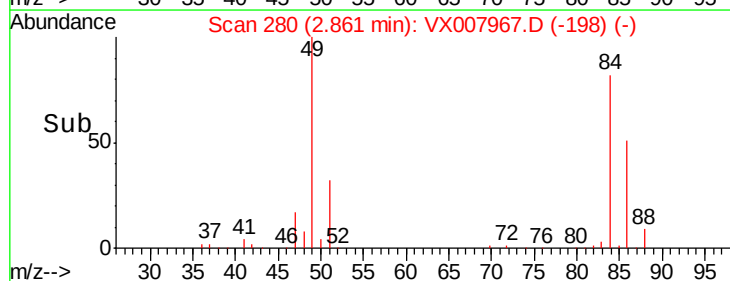
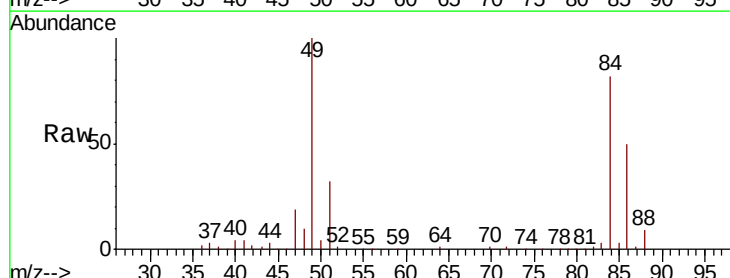
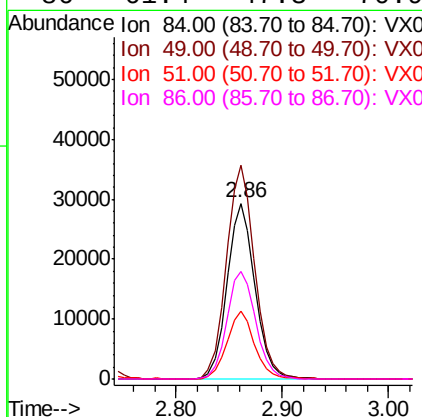
RT: 2.86 min Scan# 280

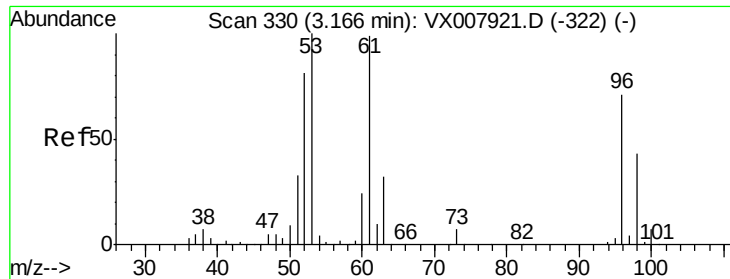
Delta R.T. 0.00 min

Lab File: VX007967.D

Acq: 11 Mar 2019 13:30

Tgt Ion:	84	Resp:	53575
Ion	Ratio	Lower	Upper
84	100		
49	121.8	96.1	144.1
51	38.8	29.1	43.7
86	61.4	47.3	70.9





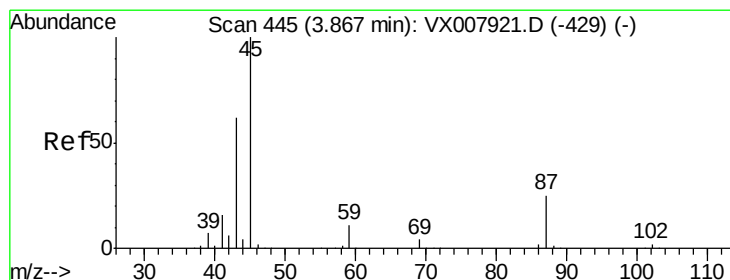
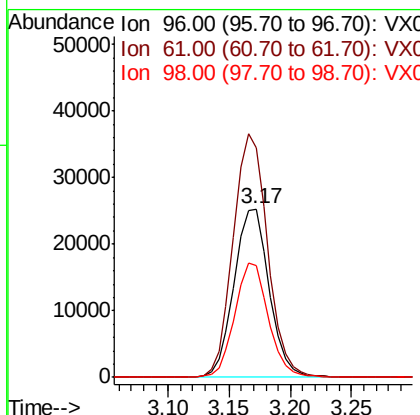
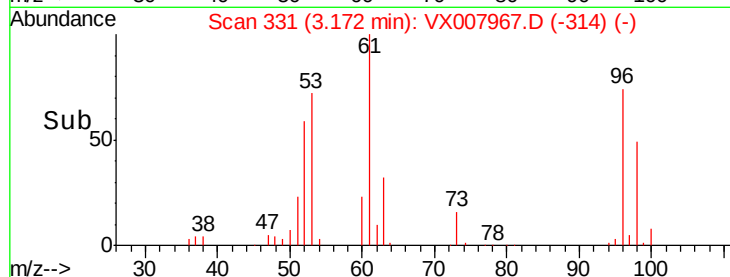
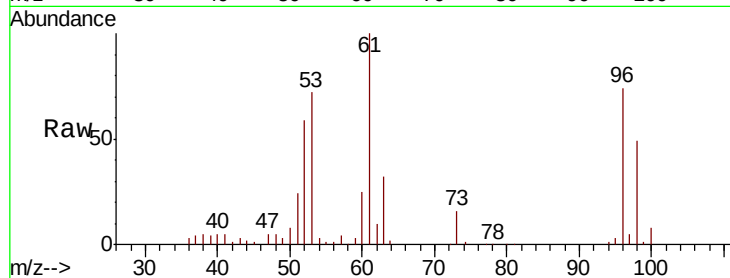
#19
trans-1,2-Dichloroethene
Concen: 19.869 ug/l
RT: 3.17 min Scan# 331
Delta R.T. 0.01 min
Lab File: VX007967.D
Acq: 11 Mar 2019 13:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
96	100		
61	136.0	109.9	164.9
98	66.5	50.4	75.6

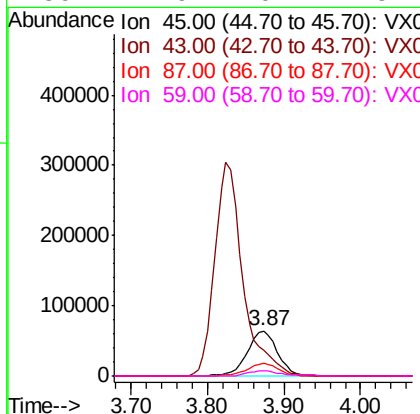
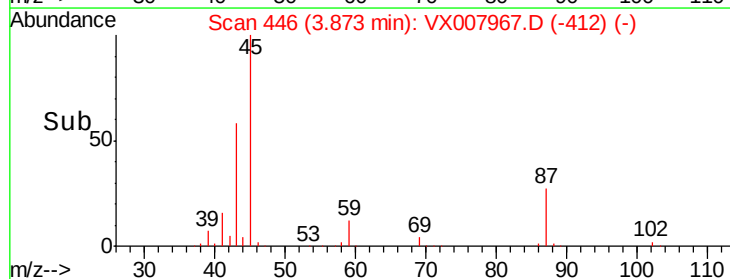
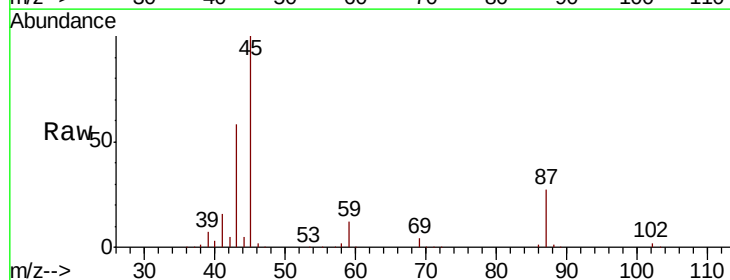
Manual Integrations
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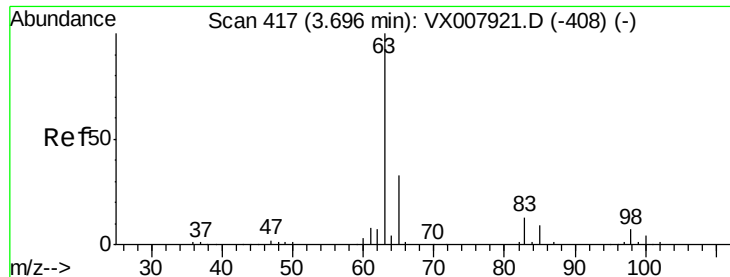
MMDadoda
3/12/2019 1:10:09 PM



#20
Diisopropyl ether
Concen: 19.707 ug/l
RT: 3.87 min Scan# 446
Delta R.T. 0.01 min
Lab File: VX007967.D
Acq: 11 Mar 2019 13:30

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.4	50.6	76.0
87	27.2	24.5	36.7
59	11.9	10.2	15.2





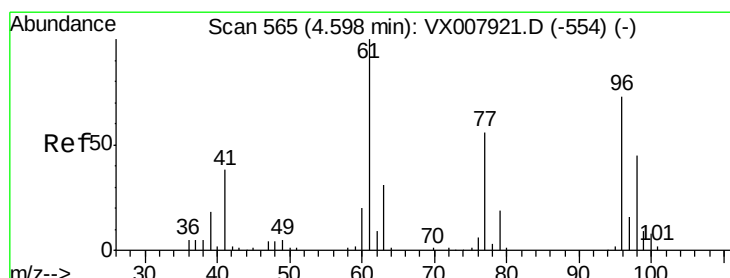
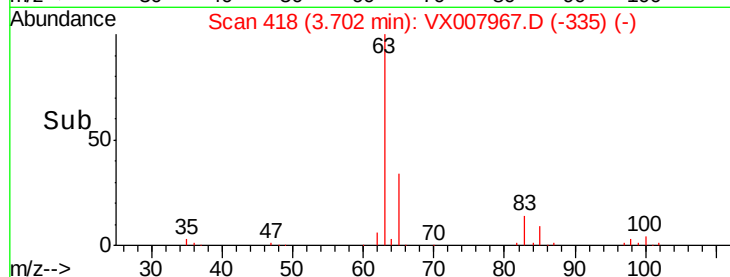
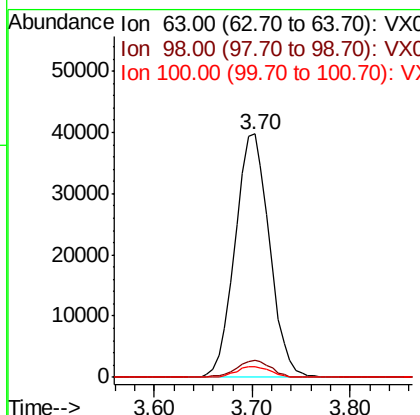
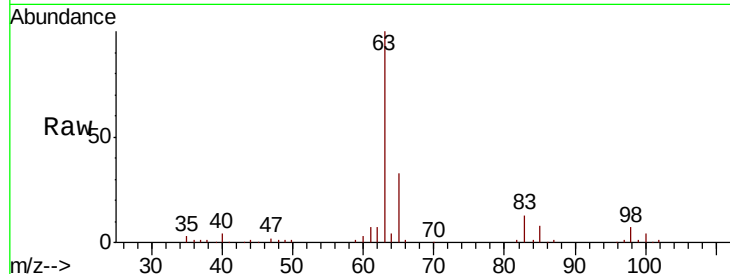
#21
 1,1-Dichloroethane
 Concen: 19.822 ug/l
 RT: 3.70 min Scan# 418
 Delta R.T. 0.01 min
 Lab File: VX007967.D
 Acq: 11 Mar 2019 13:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	97228		
98	7.1		3.8	11.4
100	4.4		2.4	7.1

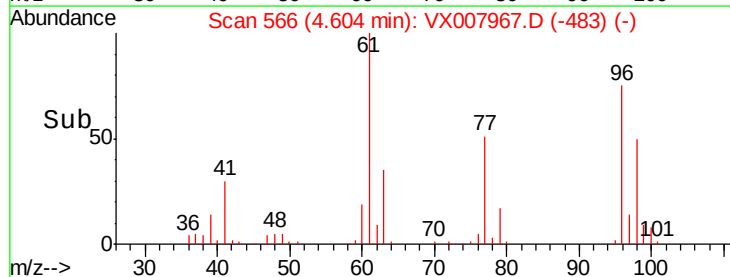
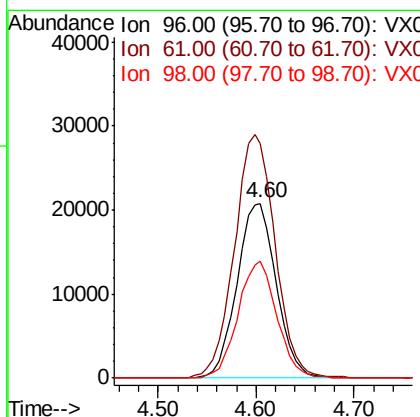
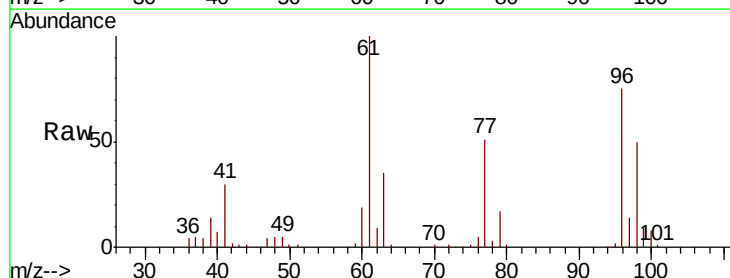
Manual Integrations
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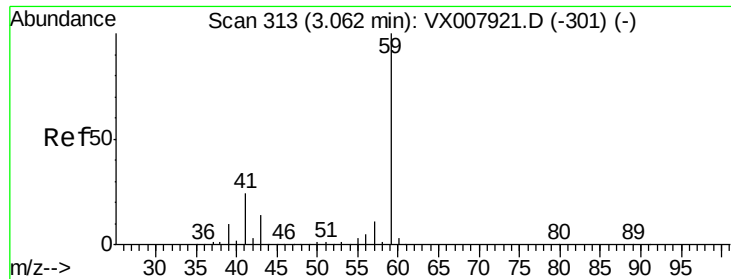
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#22
 cis-1,2-Dichloroethene
 Concen: 19.753 ug/l
 RT: 4.60 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VX007967.D
 Acq: 11 Mar 2019 13:30

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	57971		
61	144.4		103.5	155.3
98	66.0		52.1	78.1





#23

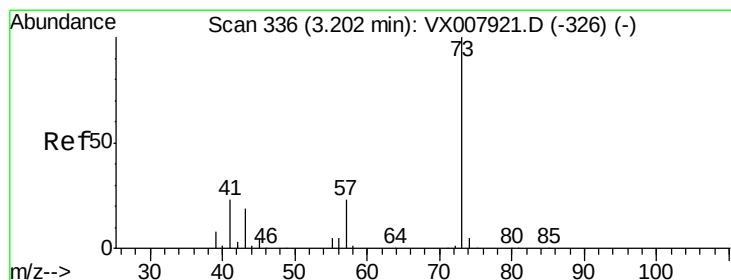
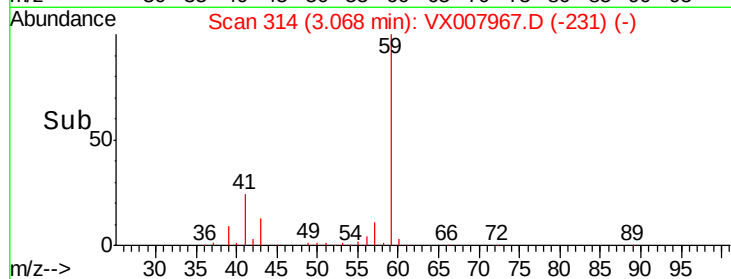
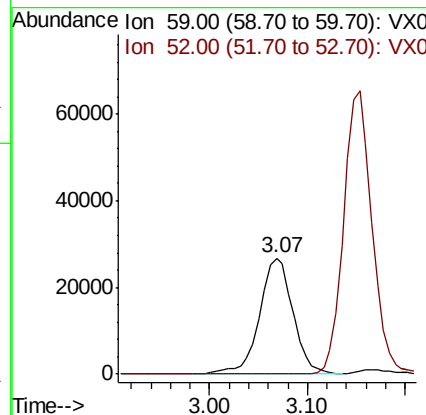
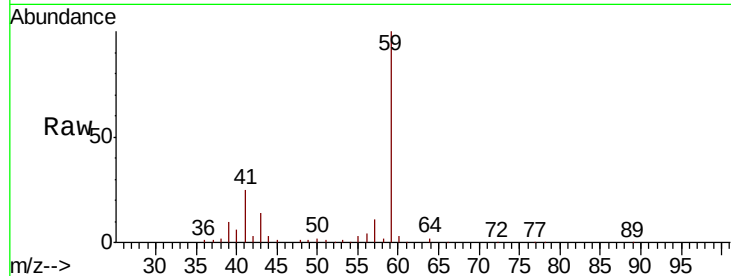
tert-Butyl Alcohol
Concen: 97.739 ug/l
RT: 3.07 min Scan# 314
Delta R.T. 0.01 min
Lab File: VX007967.D
Acq: 11 Mar 2019 13:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 59 Resp: 63655
Ion Ratio Lower Upper
59 100
52 0.3 0.2 0.2#

Manual Integrations
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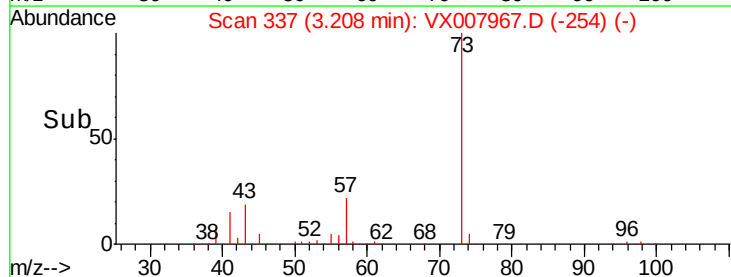
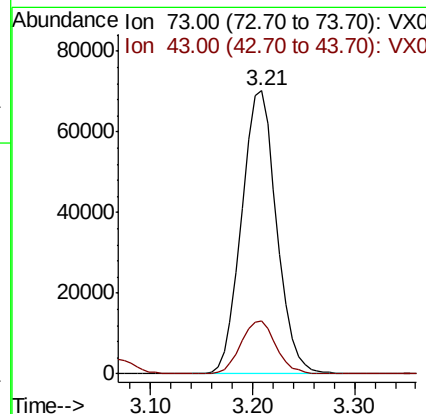
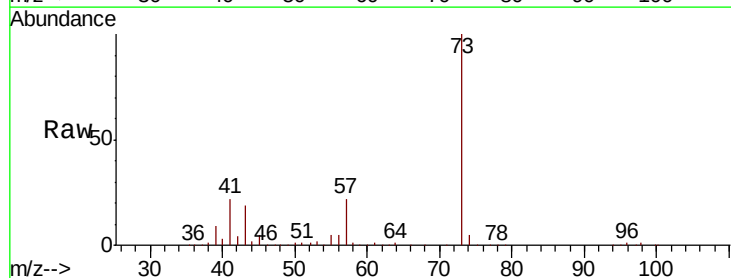
MMDadoda
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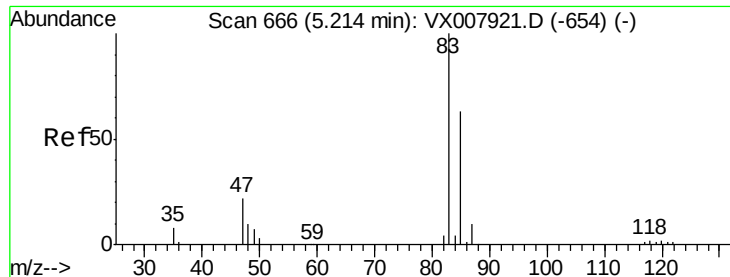


#24

Methyl tert-Butyl Ether
Concen: 20.235 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX007967.D
Acq: 11 Mar 2019 13:30

Tgt Ion: 73 Resp: 167294
Ion Ratio Lower Upper
73 100
43 18.8 17.1 25.7





#25

Chloroform

Concen: 19.754 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.00 min

Lab File: VX007967.D

Acq: 11 Mar 2019 13:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 83 Resp: 91453

Ion Ratio Lower Upper

83 100

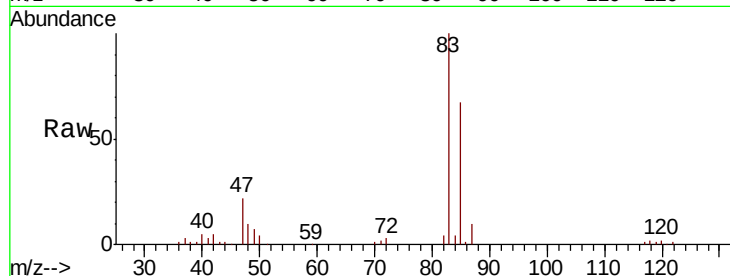
85 67.1 53.8 80.6

Manual Integrations

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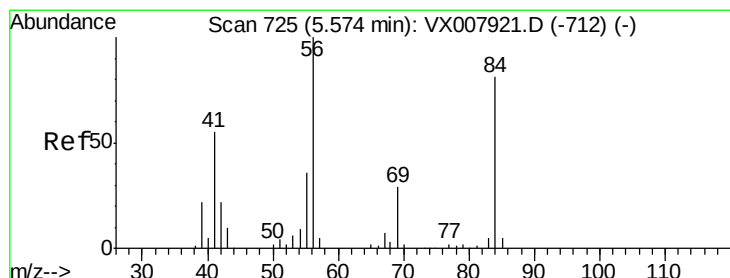
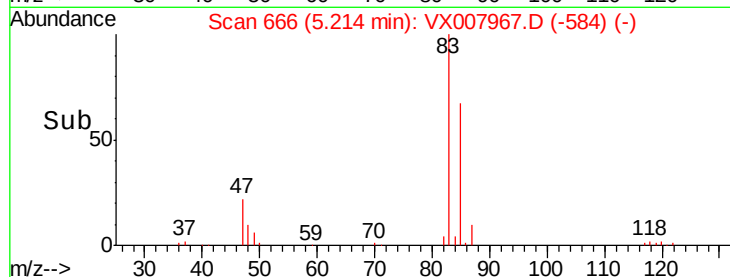
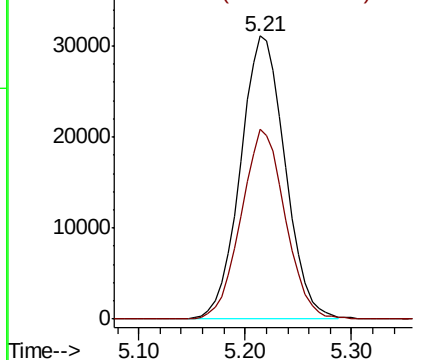
MMDadoda

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Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#26

Cyclohexane

Concen: 19.110 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.01 min

Lab File: VX007967.D

Acq: 11 Mar 2019 13:30

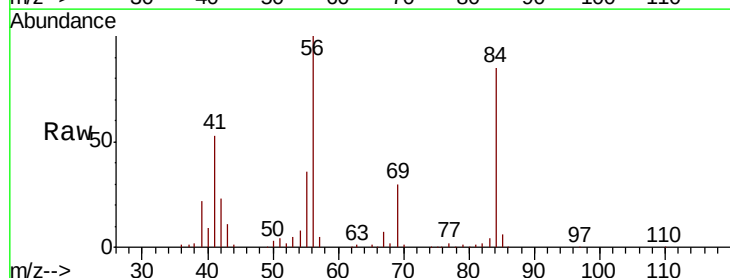
Tgt Ion: 56 Resp: 86613

Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

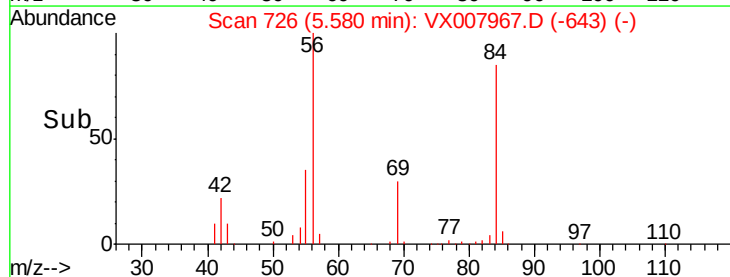
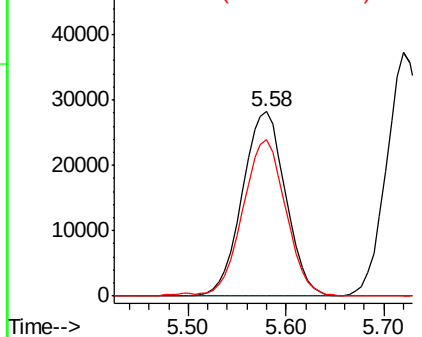
84 84.4 73.9 110.9

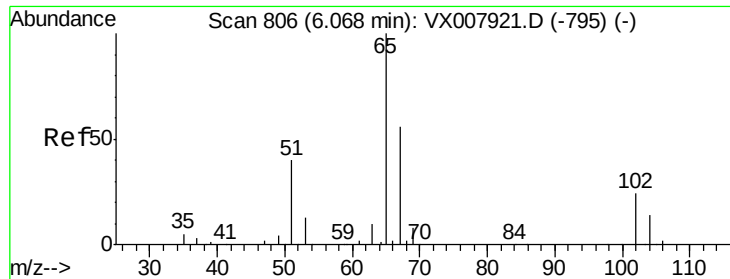


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





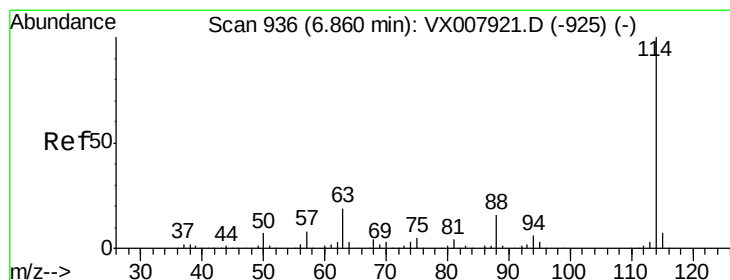
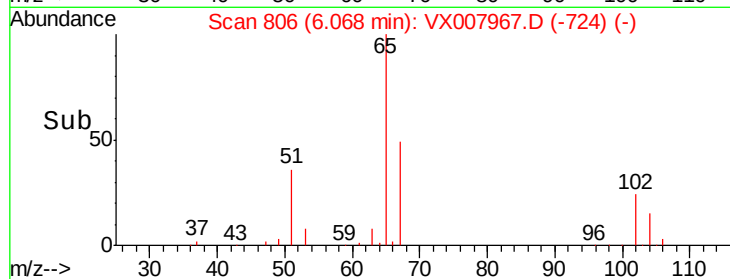
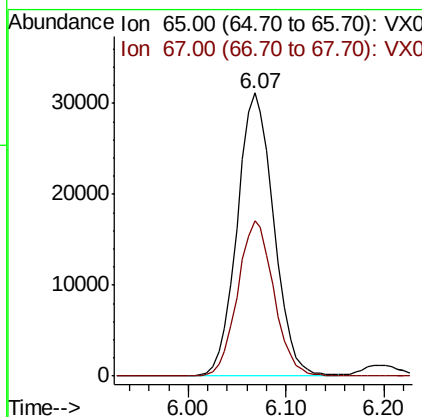
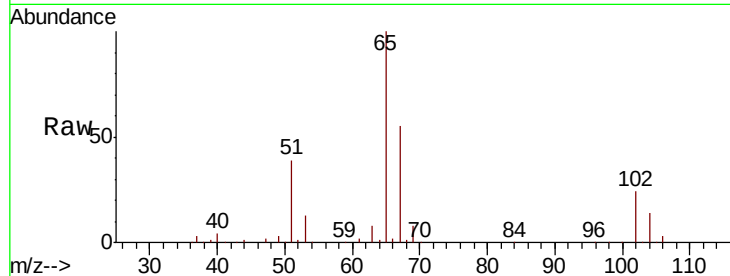
#27
 1,2-Dichloroethane-d4
 Concen: 29.680 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX007967.D
 Acq: 11 Mar 2019 13:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion: 65 Resp: 80840
 Ion Ratio Lower Upper
 65 100
 67 54.2 42.9 64.3

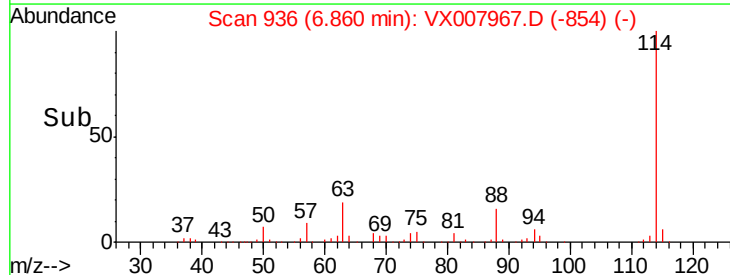
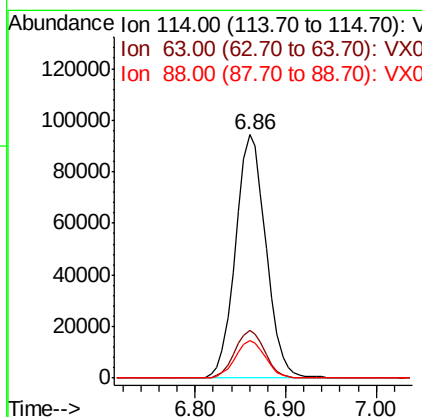
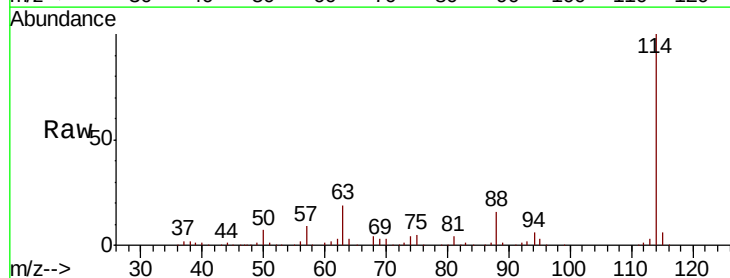
Manual Integrations
 APPROVED

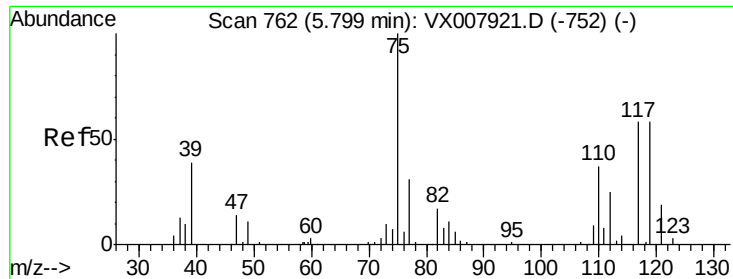
MMDadoda
 3/12/2019 1:10:09 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007967.D
 Acq: 11 Mar 2019 13:30

Tgt Ion: 114 Resp: 220594
 Ion Ratio Lower Upper
 114 100
 63 19.6 14.2 21.4
 88 15.4 11.9 17.9





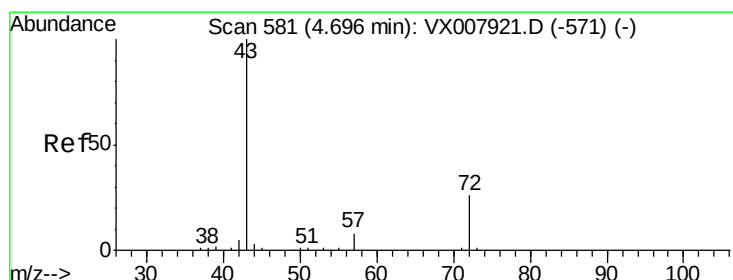
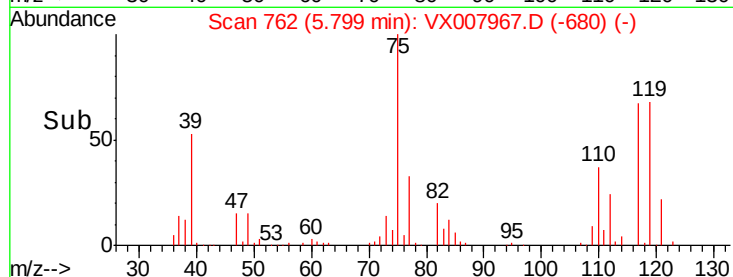
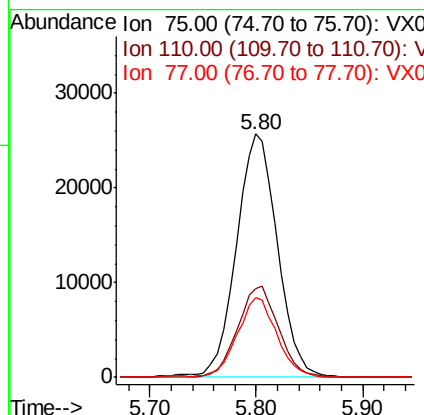
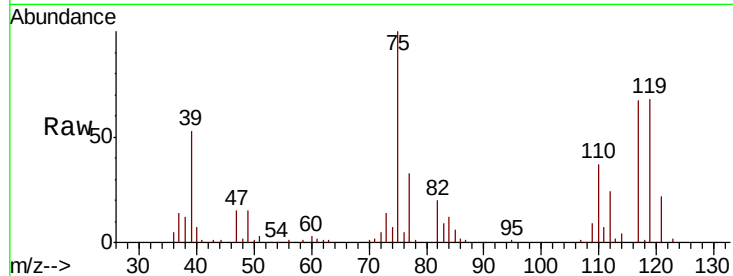
#29
 1,1-Dichloropropene
 Concen: 19.790 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX007967.D
 Acq: 11 Mar 2019 13:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.4	0.0	80.8
77	31.8	0.0	62.4

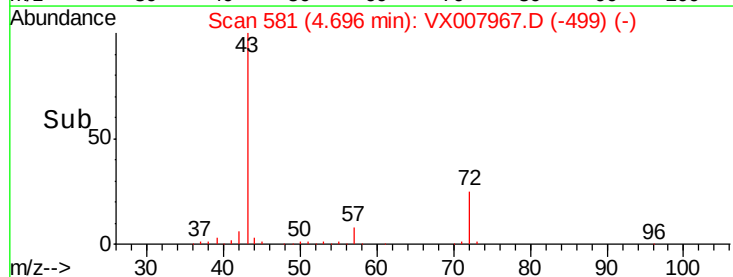
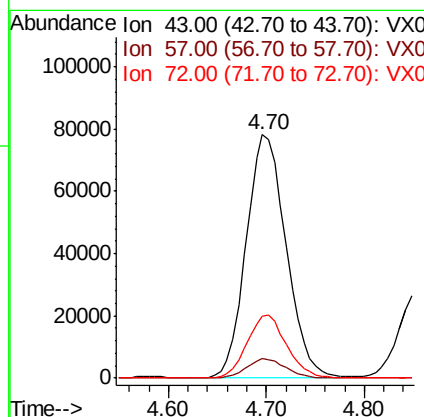
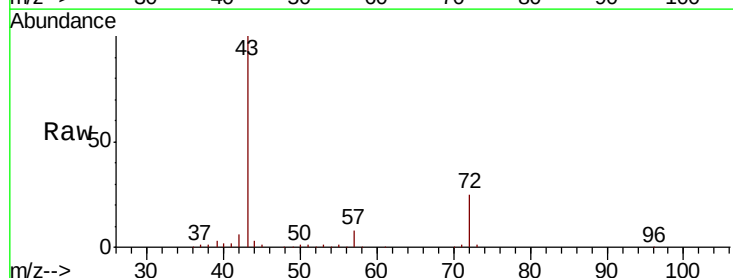
Manual Integrations
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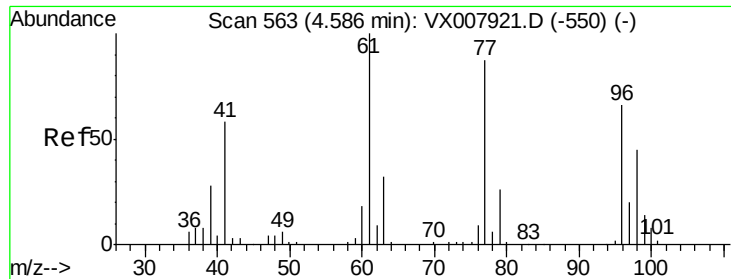
MMDadoda
 3/12/2019 1:10:09 PM



#30
 2-Butanone
 Concen: 93.699 ug/l
 RT: 4.70 min Scan# 581
 Delta R.T. 0.00 min
 Lab File: VX007967.D
 Acq: 11 Mar 2019 13:30

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.0	7.0	10.6
72	25.4	21.5	32.3





#31

2,2-Dichloropropane

Concen: 20.110 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX007967.D

Acq: 11 Mar 2019 13:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 77 Resp: 64968

Ion Ratio Lower Upper

77 100

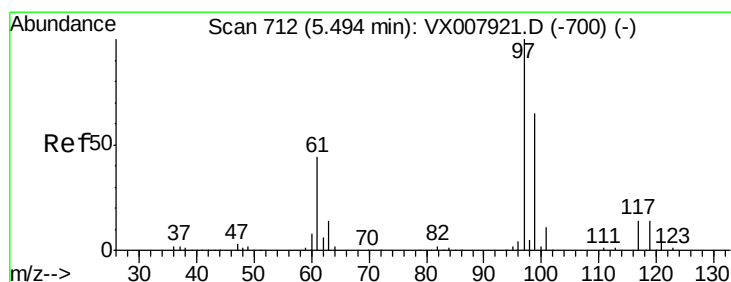
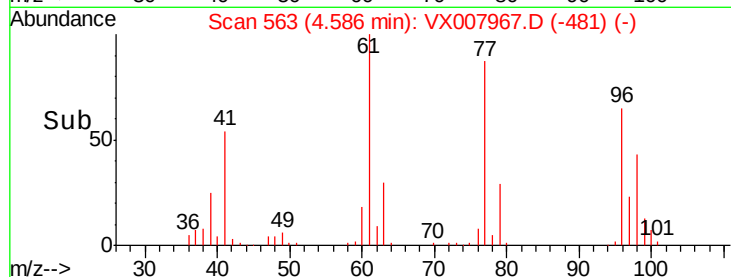
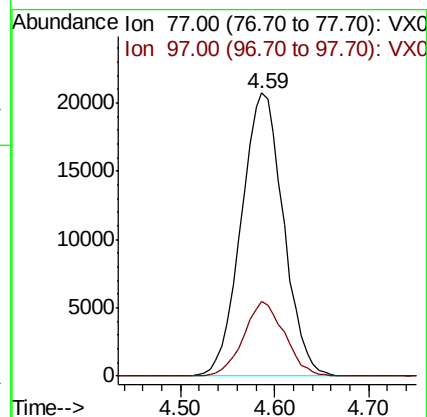
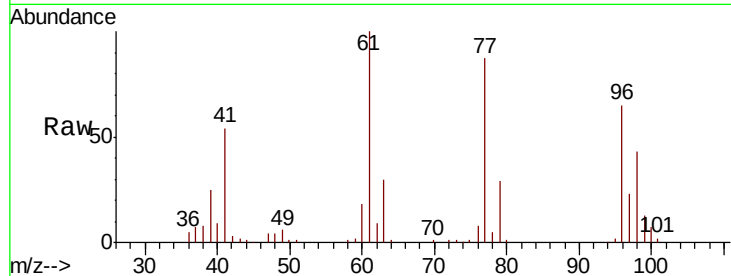
97 25.5 20.6 31.0

Manual Integrations

APPROVED

MMDadoda

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#32

1,1,1-Trichloroethane

Concen: 20.513 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX007967.D

Acq: 11 Mar 2019 13:30

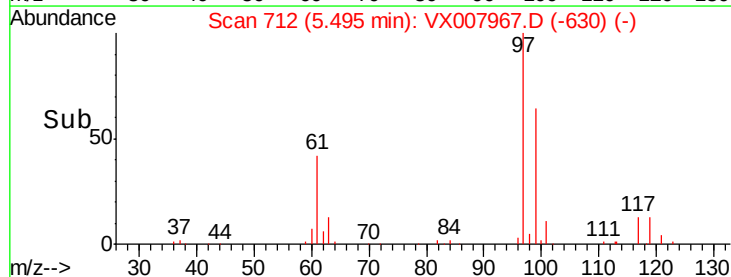
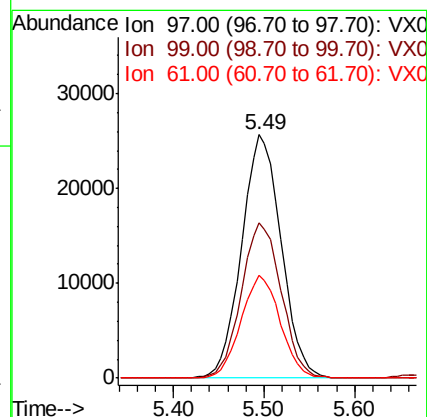
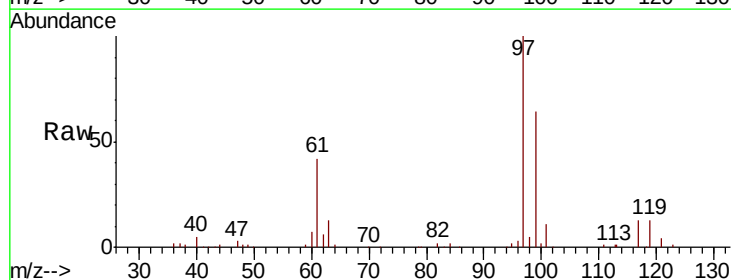
Tgt Ion: 97 Resp: 77586

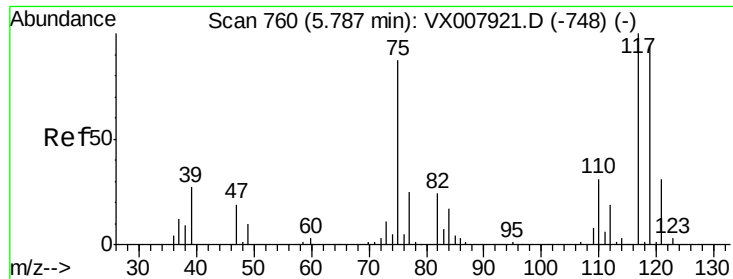
Ion Ratio Lower Upper

97 100

99 64.1 51.7 77.5

61 42.0 32.8 49.2





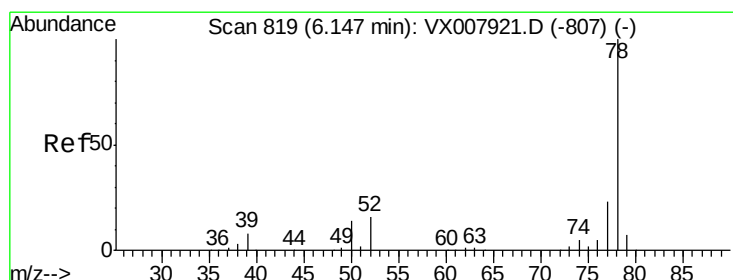
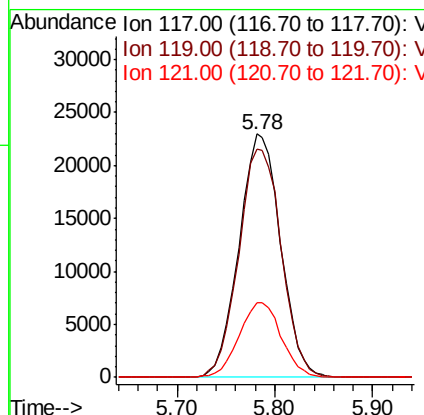
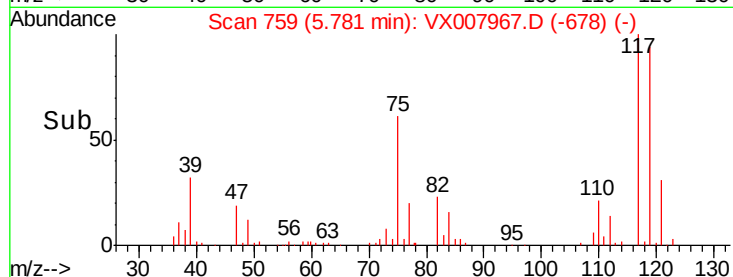
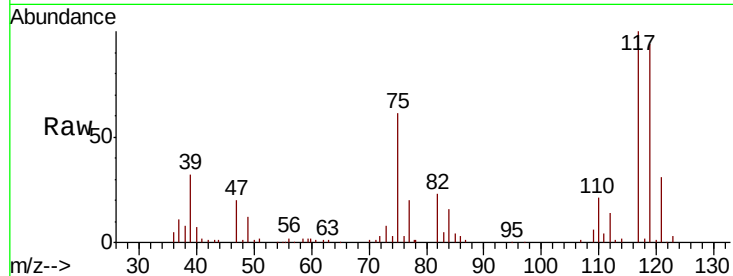
#33
Carbon Tetrachloride
Concen: 20.139 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX007967.D
Acq: 11 Mar 2019 13:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 117 Resp: 67562
Ion Ratio Lower Upper
117 100
119 93.6 78.1 117.1
121 30.6 27.0 40.6

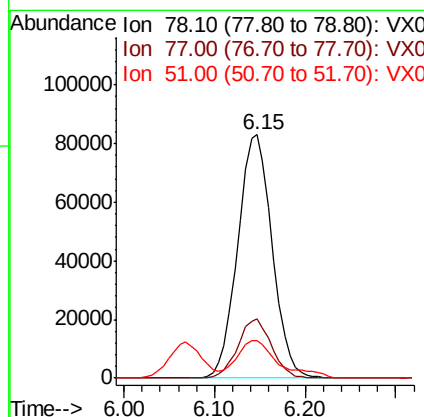
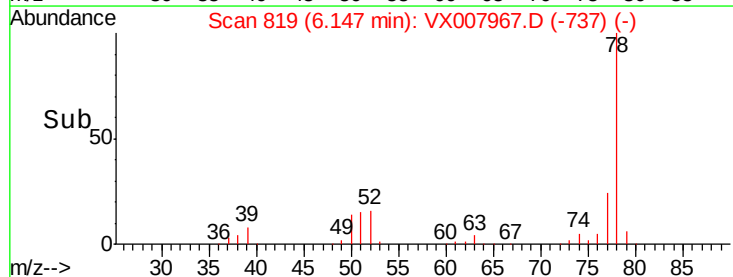
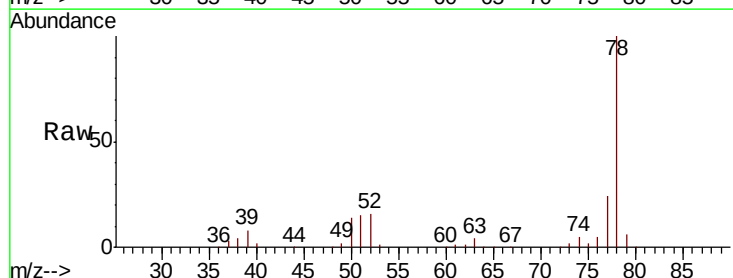
Manual Integrations
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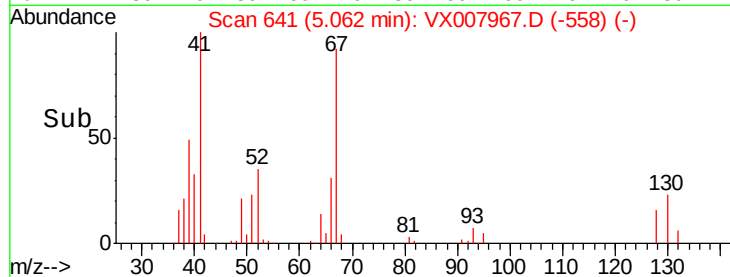
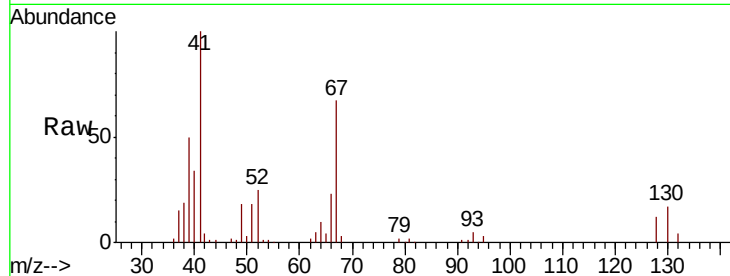
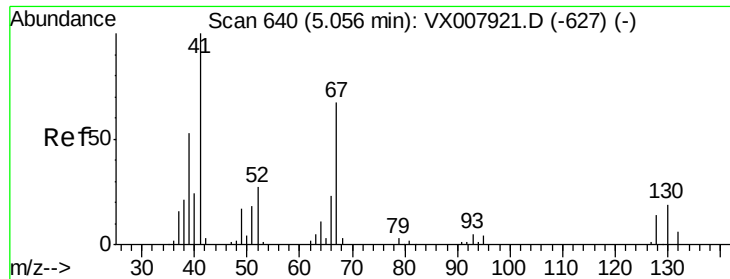
MMDadoda
3/12/2019 1:10:09 PM



#34
Benzene
Concen: 20.362 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.00 min
Lab File: VX007967.D
Acq: 11 Mar 2019 13:30

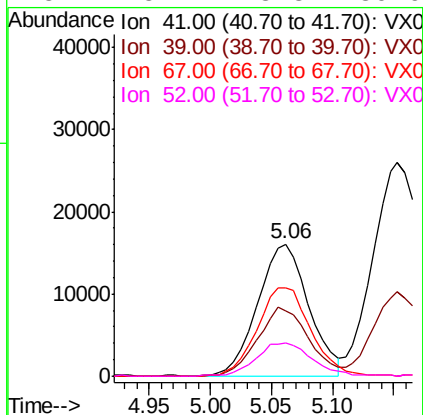
Tgt Ion: 78 Resp: 218255
Ion Ratio Lower Upper
78 100
77 24.2 19.1 28.7
51 15.1 10.8 16.2





#35
Methacrylonitrile
Concen: 20.301 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.01 min
Lab File: VX007967.D
Acq: 11 Mar 2019 13:30

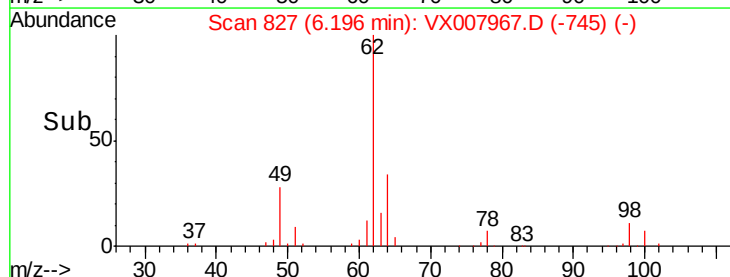
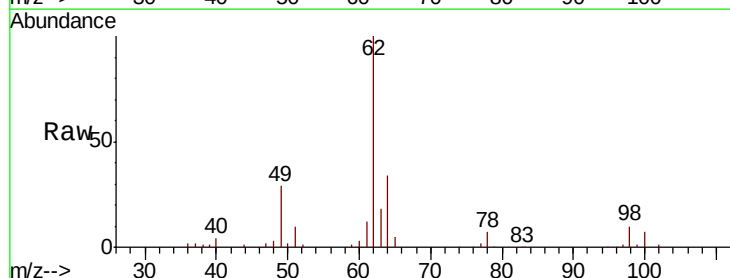
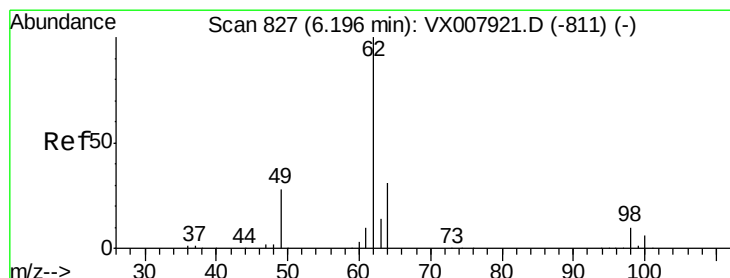
Tgt Ion	Ratio	Lower	Upper
41	100		
39	49.7	27.4	82.0
67	66.8	37.9	113.6
52	25.2	13.3	39.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

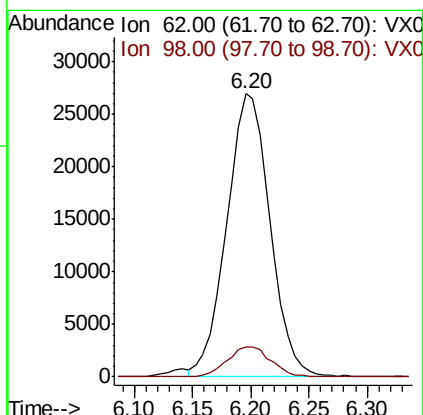
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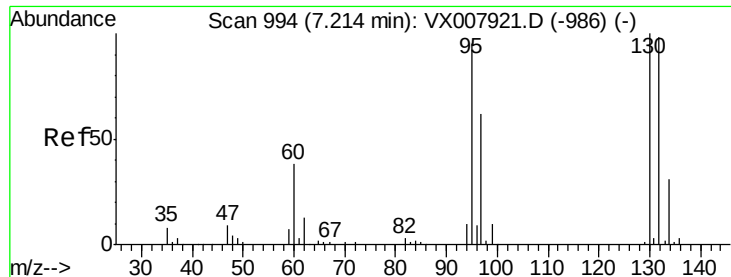
MMDadoda
3/12/2019 1:10:09 PM



#36
1,2-Dichloroethane
Concen: 20.001 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX007967.D
Acq: 11 Mar 2019 13:30

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.7	7.8	11.8





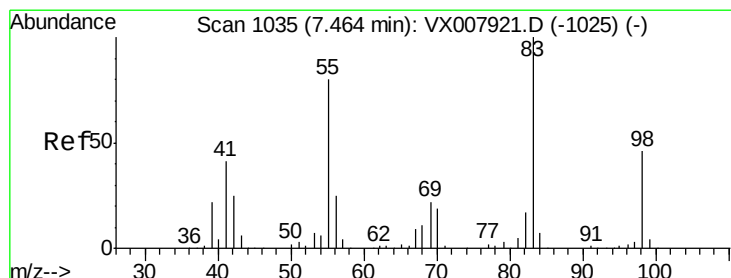
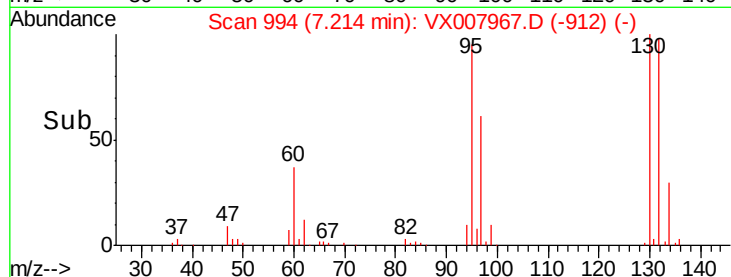
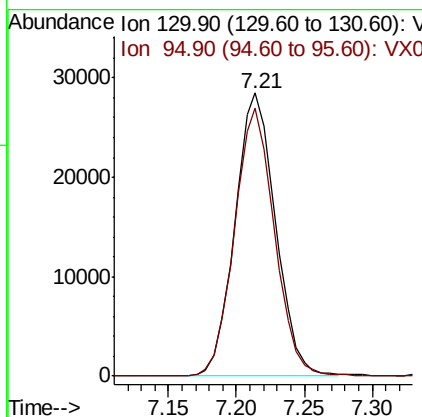
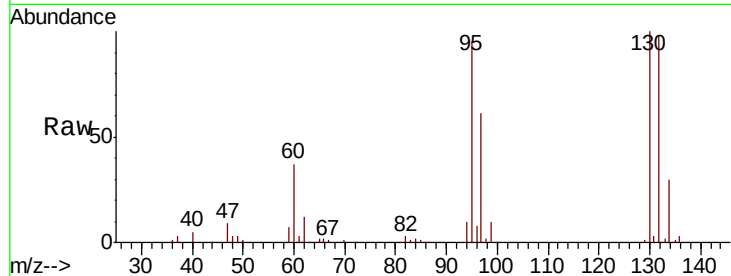
#37
 Trichloroethene
 Concen: 20.415 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX007967.D
 Acq: 11 Mar 2019 13:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion: 130 Resp: 59287
 Ion Ratio Lower Upper
 130 100
 95 94.6 71.3 106.9

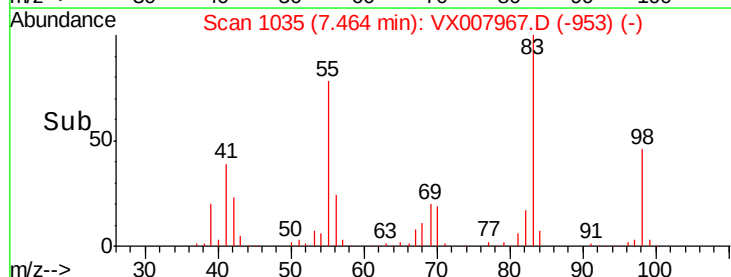
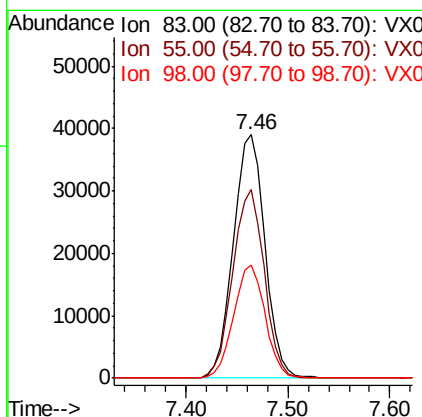
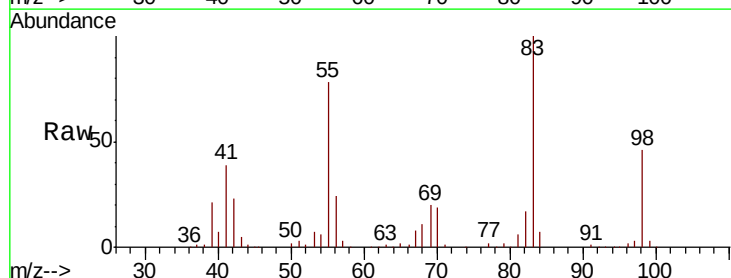
Manual Integrations
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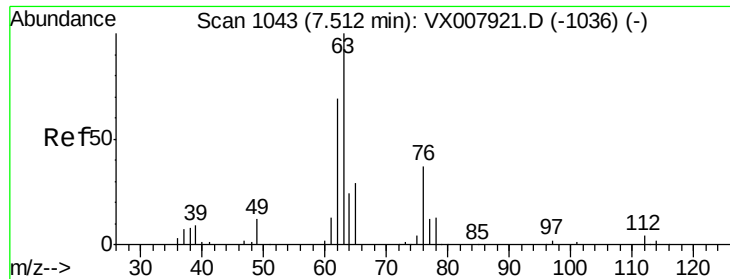
MMDadoda
 3/12/2019 1:10:09 PM



#38
 Methylcyclohexane
 Concen: 18.853 ug/l
 RT: 7.46 min Scan# 1035
 Delta R.T. 0.00 min
 Lab File: VX007967.D
 Acq: 11 Mar 2019 13:30

Tgt Ion: 83 Resp: 83838
 Ion Ratio Lower Upper
 83 100
 55 77.1 36.0 108.0
 98 46.2 23.8 71.4





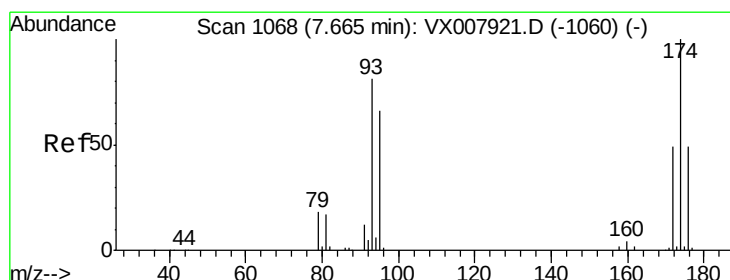
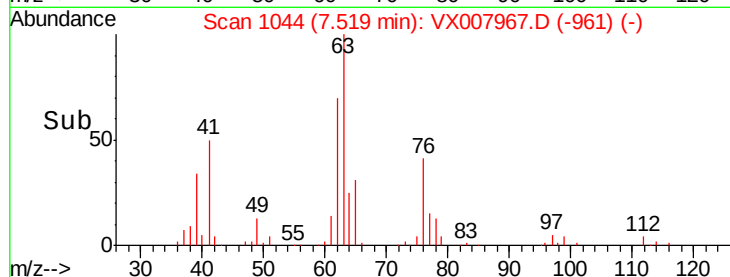
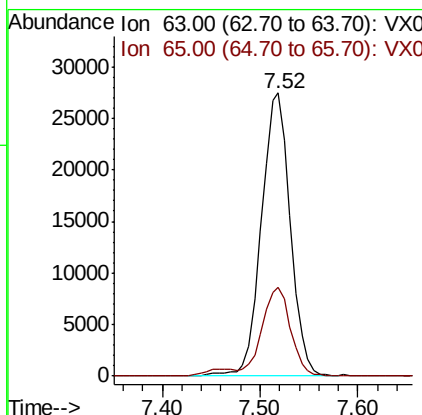
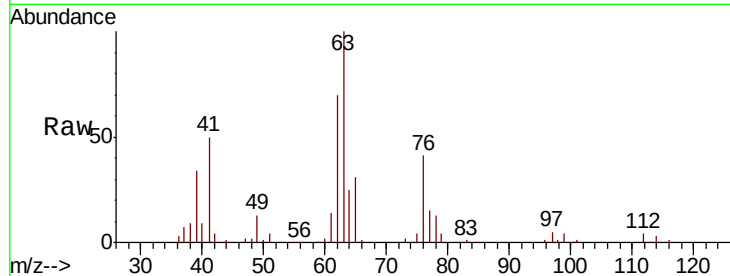
#39
 1,2-Dichloropropane
 Concen: 20.408 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. 0.01 min
 Lab File: VX007967.D
 Acq: 11 Mar 2019 13:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion: 63 Resp: 57049
 Ion Ratio Lower Upper
 63 100
 65 31.3 24.6 37.0

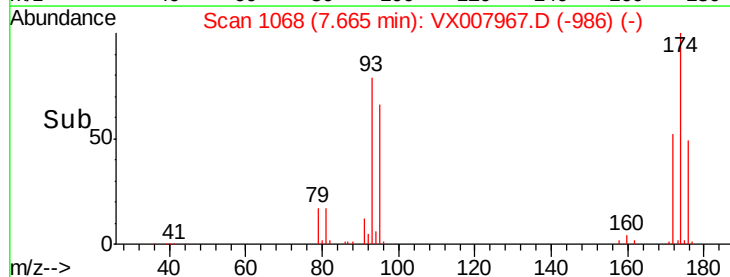
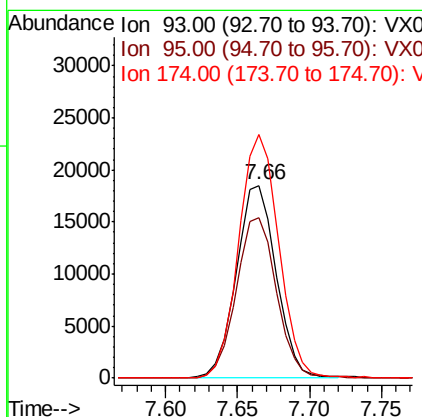
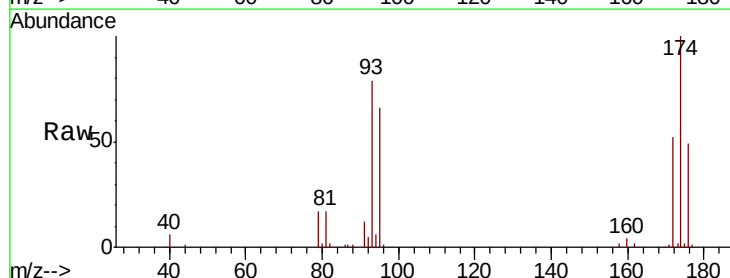
Manual Integrations
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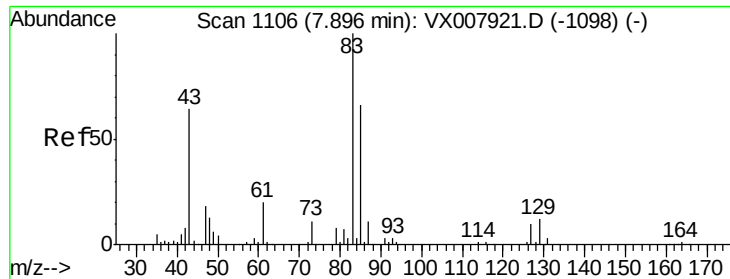
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 3/12/2019 1:10:09 PM



#40
 Dibromomethane
 Concen: 20.144 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VX007967.D
 Acq: 11 Mar 2019 13:30

Tgt Ion: 93 Resp: 35719
 Ion Ratio Lower Upper
 93 100
 95 84.0 0.0 158.8
 174 125.8 0.0 224.2





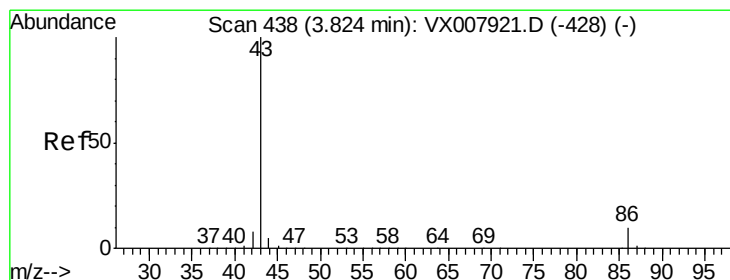
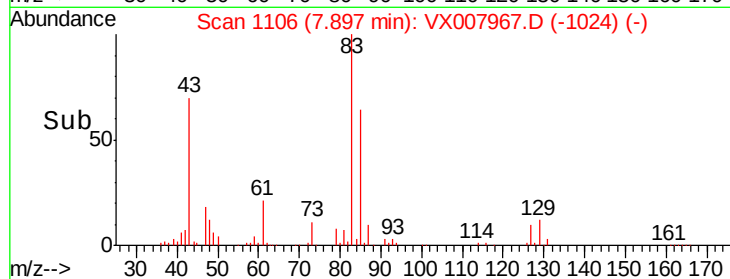
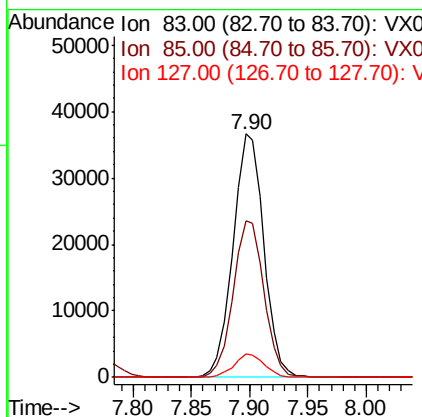
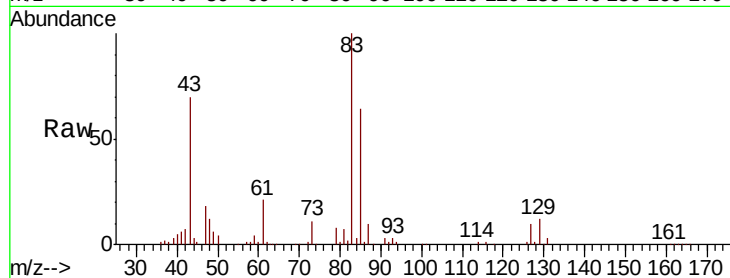
#41
Bromodichloromethane
Concen: 20.130 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX007967.D
Acq: 11 Mar 2019 13:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.1	76.7
127	9.5	7.2	10.8

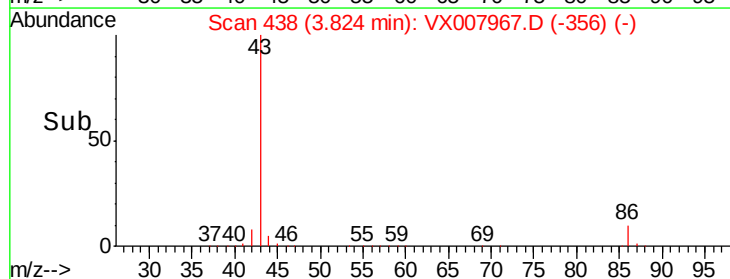
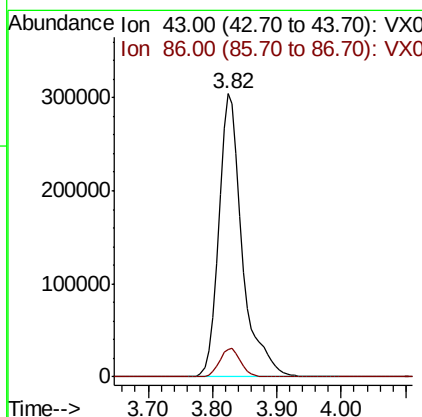
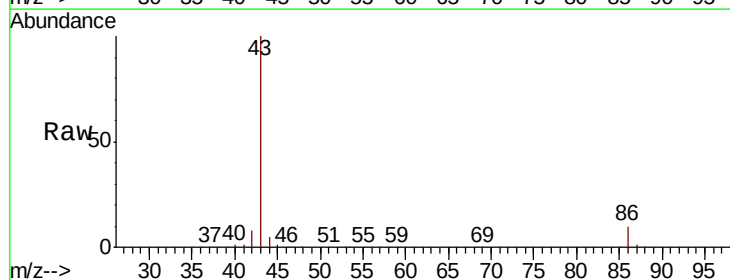
Manual Integrations
APPROVED

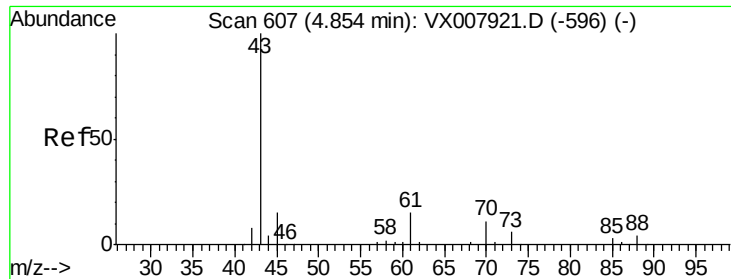
MMDadoda
3/12/2019 1:10:09 PM



#42
Vinyl Acetate
Concen: 101.907 ug/l
RT: 3.82 min Scan# 438
Delta R.T. 0.00 min
Lab File: VX007967.D
Acq: 11 Mar 2019 13:30

Tgt Ion	Ratio	Lower	Upper
43	100		
86	9.2	8.2	12.2





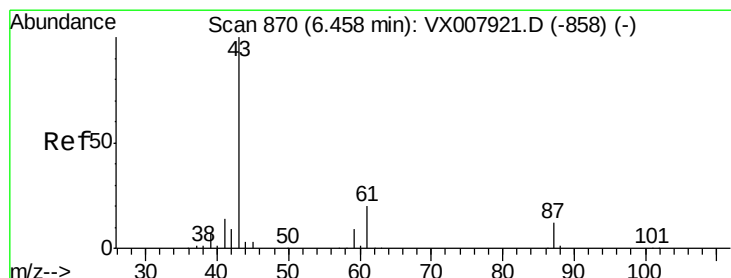
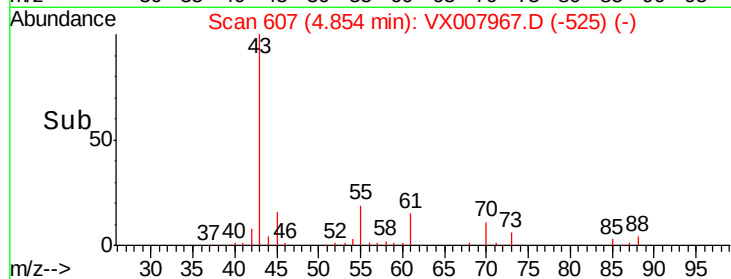
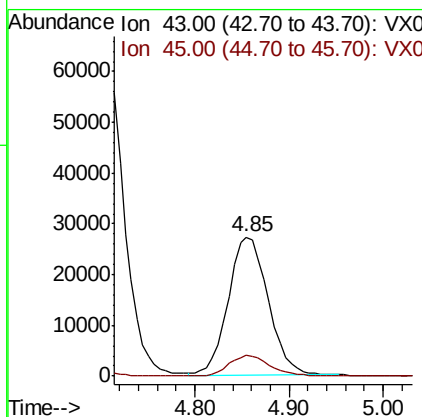
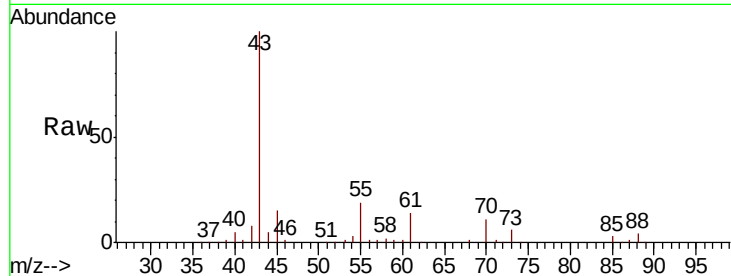
#43
Ethyl Acetate
Concen: 19.587 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX007967.D
Acq: 11 Mar 2019 13:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 43 Resp: 80487
Ion Ratio Lower Upper
43 100
45 15.6 6.9 10.3#

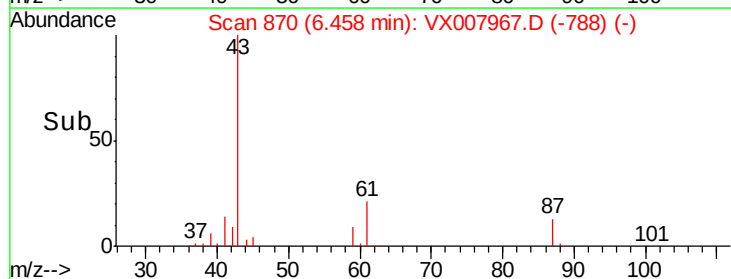
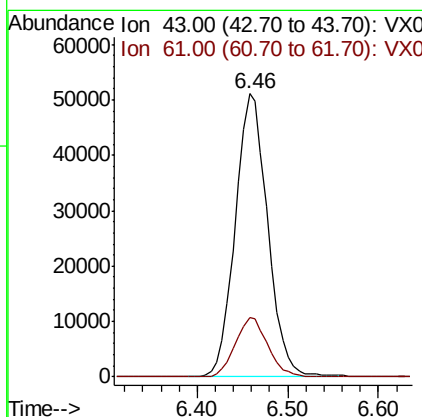
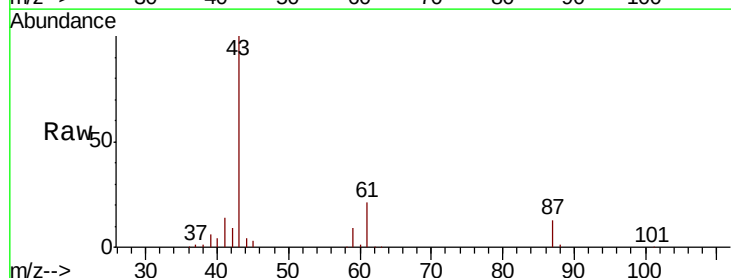
Manual Integrations
APPROVED

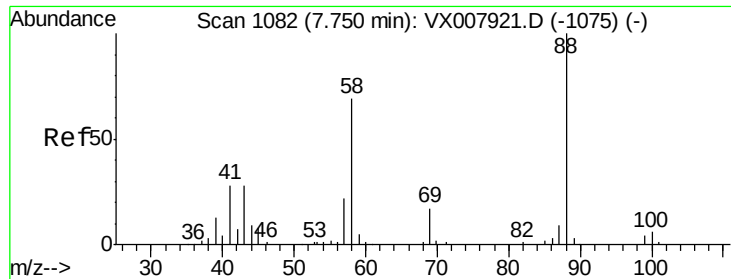
MMDadoda
3/12/2019 1:10:09 PM



#44
Isopropyl Acetate
Concen: 20.094 ug/l
RT: 6.46 min Scan# 870
Delta R.T. 0.00 min
Lab File: VX007967.D
Acq: 11 Mar 2019 13:30

Tgt Ion: 43 Resp: 125987
Ion Ratio Lower Upper
43 100
61 21.0 16.1 24.1





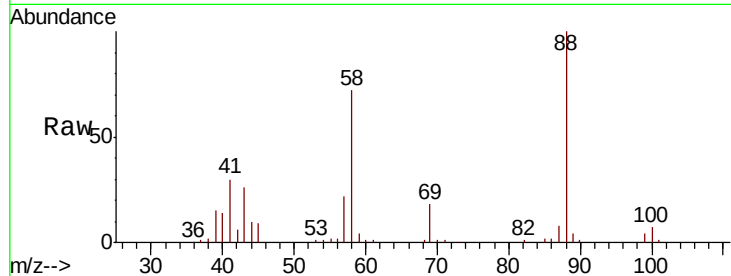
#45
1,4-Dioxane
Concen: 355.676 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX007967.D
Acq: 11 Mar 2019 13:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
88	100		
43	32.9	23.6	35.4
58	73.2	51.6	77.4

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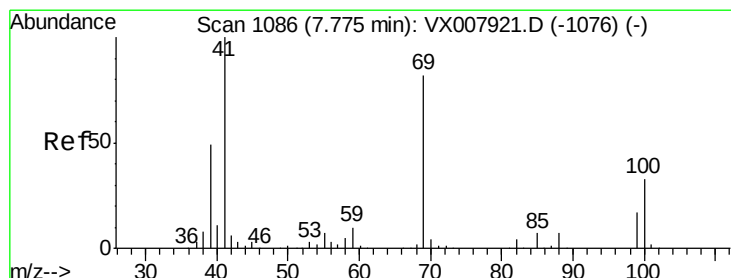
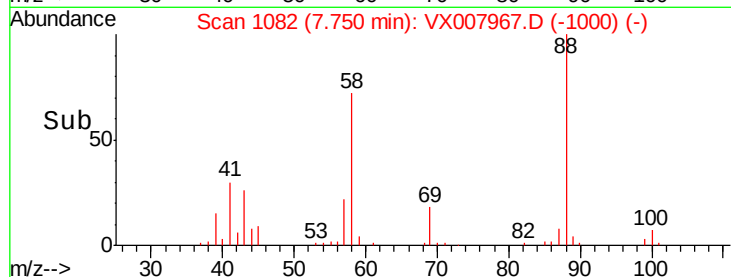
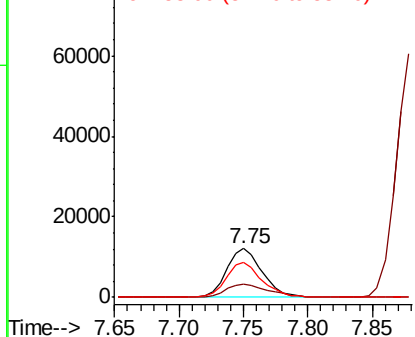


Abundance

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: 19.879 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. 0.00 min
Lab File: VX007967.D
Acq: 11 Mar 2019 13:30

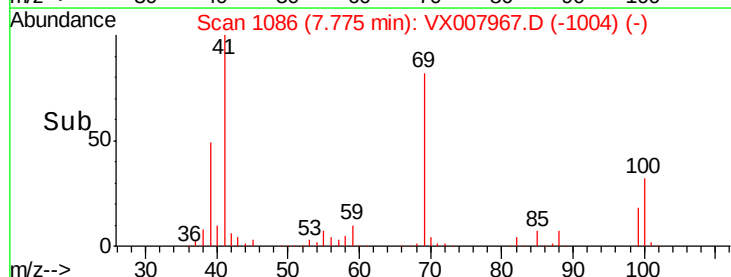
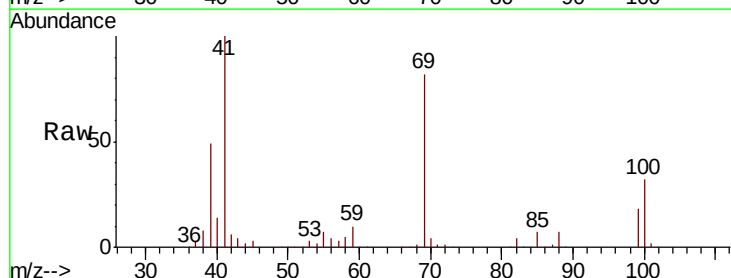
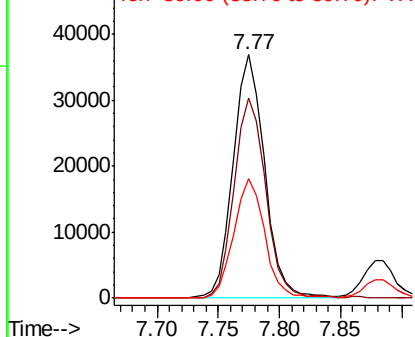
Tgt Ion	Ratio	Lower	Upper
41	100		
69	82.3	44.2	132.6
39	49.1	29.9	89.8

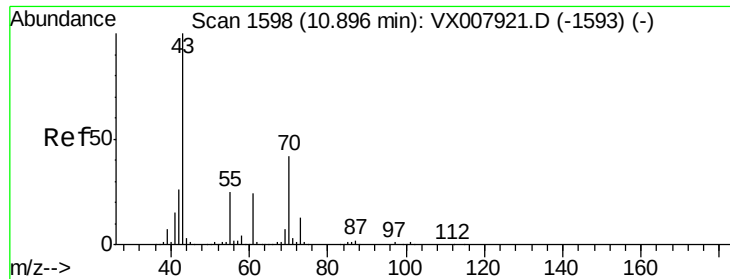
Abundance

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-amyI Acetate

Concen: 19.726 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX007967.D

Acq: 11 Mar 2019 13:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 43 Resp: 106566

Ion Ratio Lower Upper

43 100

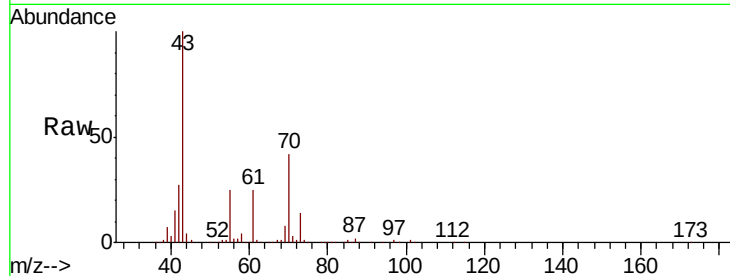
55 25.2 20.8 31.2

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

10.90

80000

60000

40000

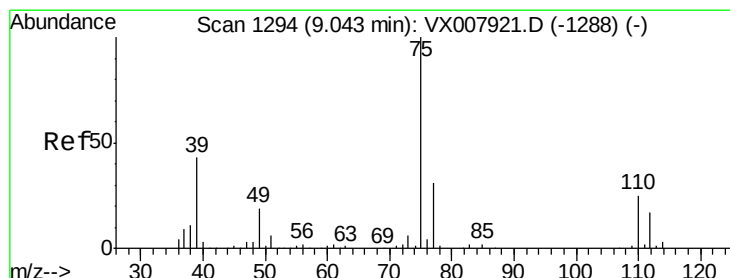
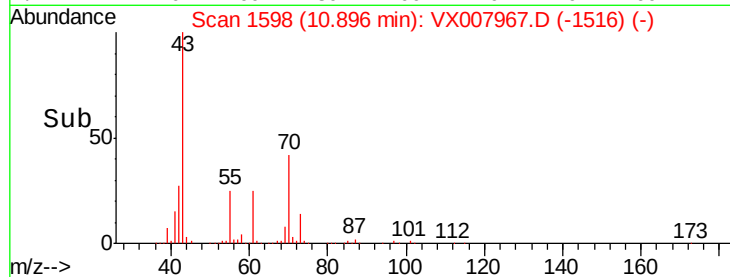
20000

0

10.90

11.00

Time-->



#48

t-1,3-Dichloropropene

Concen: 20.060 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX007967.D

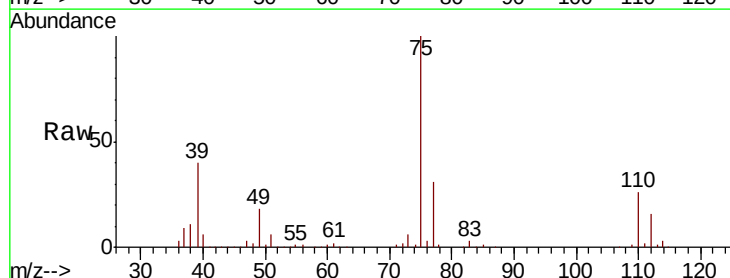
Acq: 11 Mar 2019 13:30

Tgt Ion: 75 Resp: 72814

Ion Ratio Lower Upper

75 100

77 31.0 24.5 36.7



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

9.04

60000

50000

40000

30000

20000

10000

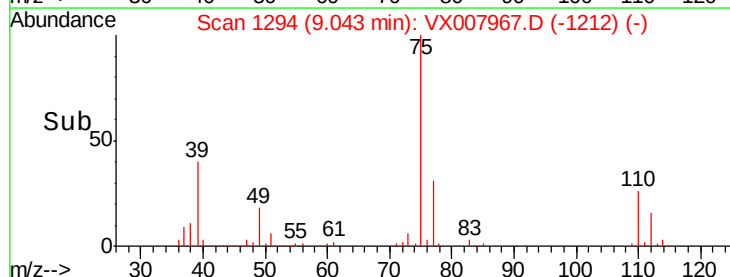
0

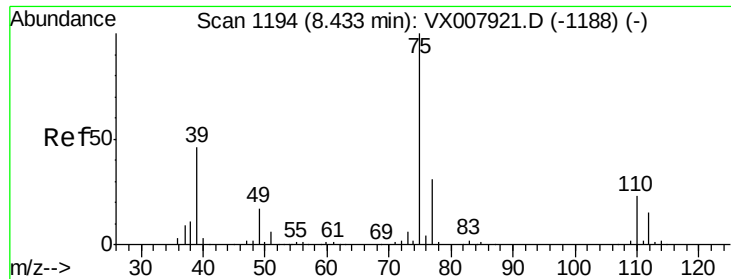
9.00

9.05

9.10

Time-->





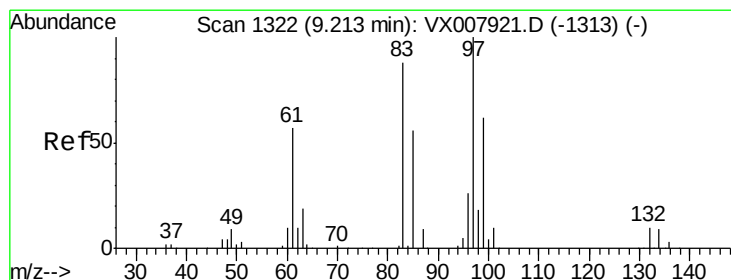
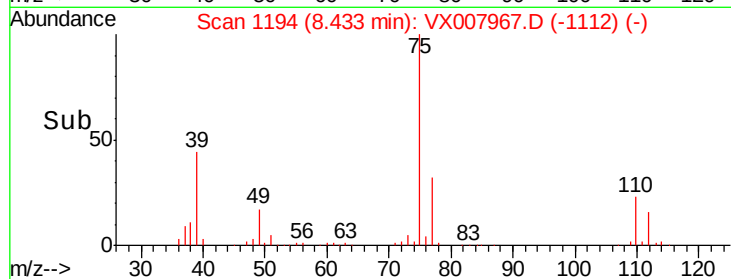
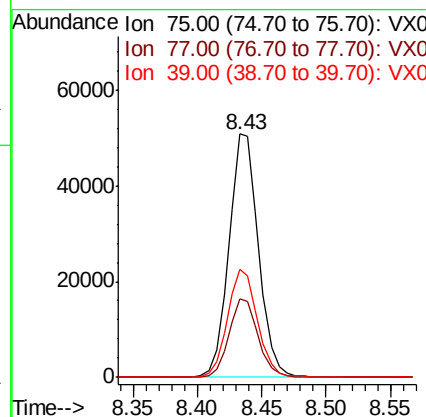
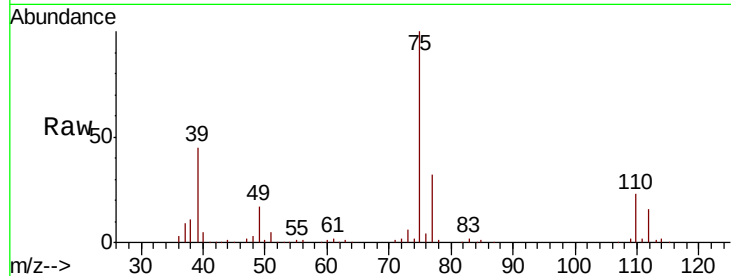
#49
 cis-1,3-Dichloropropene
 Concen: 19.868 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX007967.D
 Acq: 11 Mar 2019 13:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.0	37.4
39	44.4	38.5	57.7

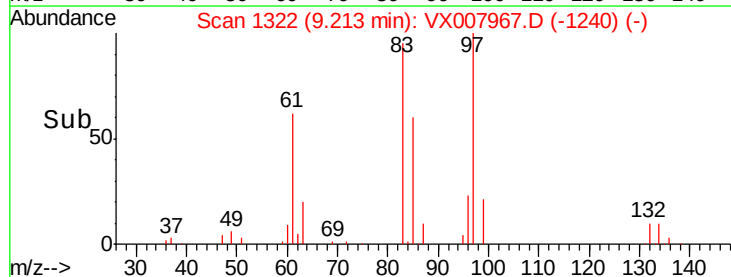
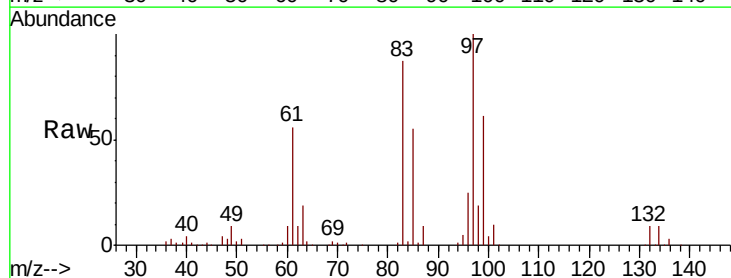
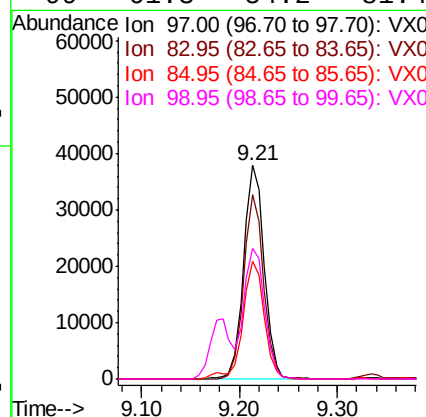
Manual Integrations
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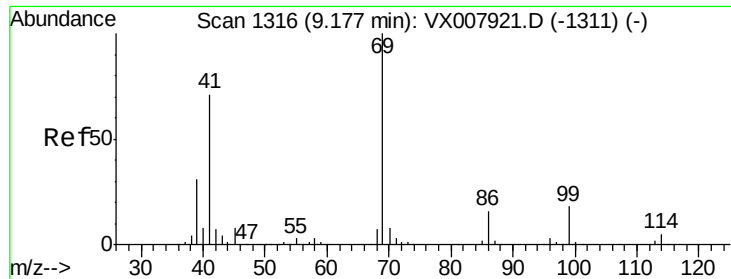
MMDadoda
 3/12/2019 1:10:09 PM



#50
 1,1,2-Trichloroethane
 Concen: 20.502 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX007967.D
 Acq: 11 Mar 2019 13:30

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.6	72.0	108.0
85	55.2	45.0	67.6
99	61.3	54.2	81.4





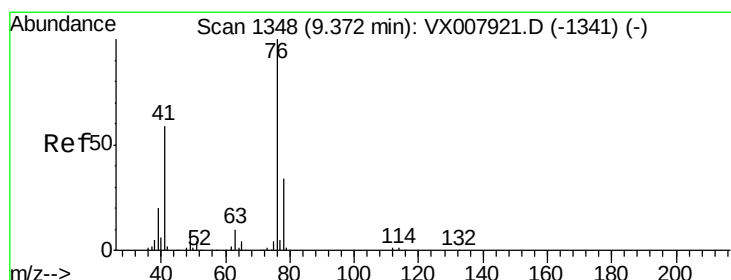
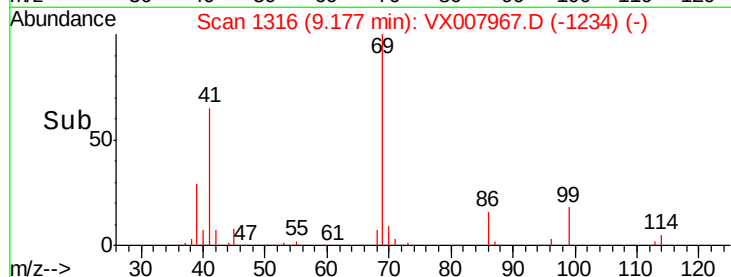
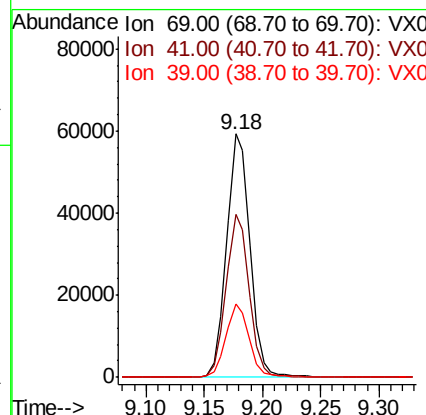
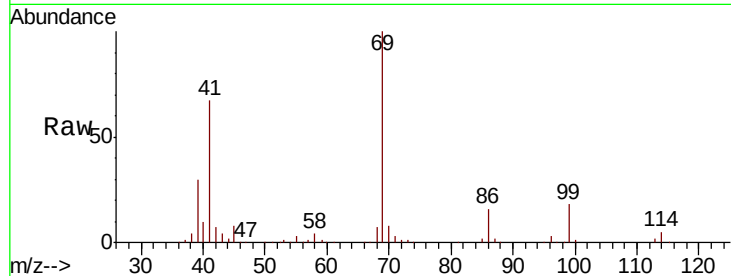
#51
Ethyl methacrylate
Concen: 20.029 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VX007967.D
Acq: 11 Mar 2019 13:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
69	100		
41	67.0	32.1	96.5
39	30.1	18.8	56.3

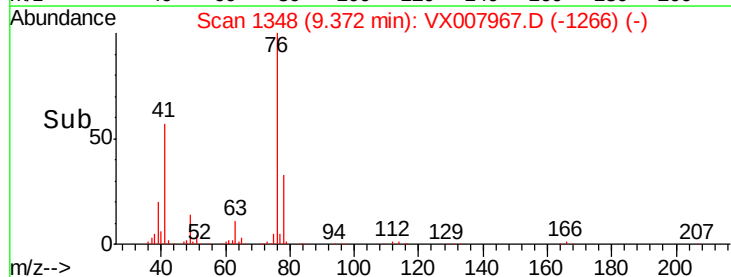
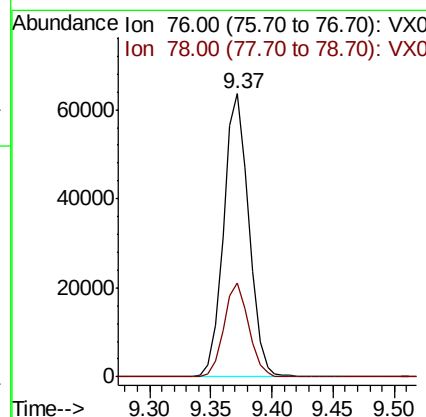
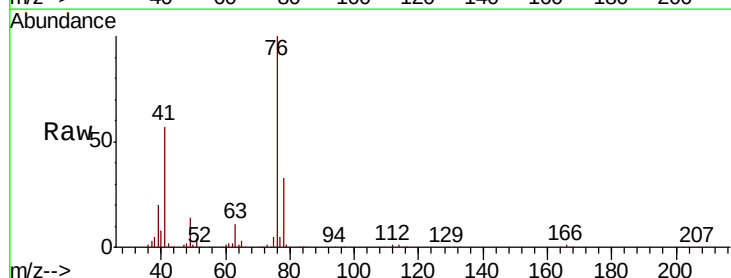
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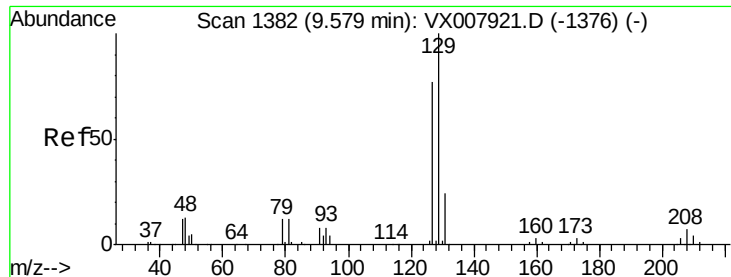
MMDadoda
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#52
1,3-Dichloropropane
Concen: 20.398 ug/l
RT: 9.37 min Scan# 1348
Delta R.T. 0.00 min
Lab File: VX007967.D
Acq: 11 Mar 2019 13:30

Tgt Ion	Ratio	Lower	Upper
76	100		
78	32.6	0.0	65.2





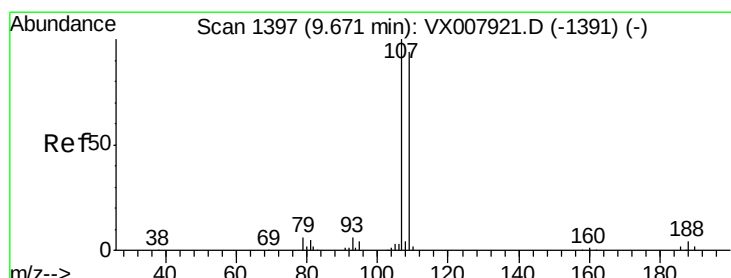
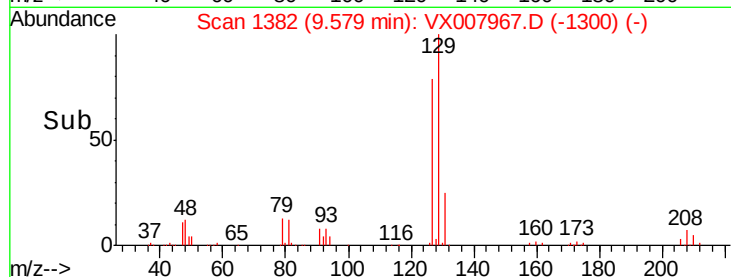
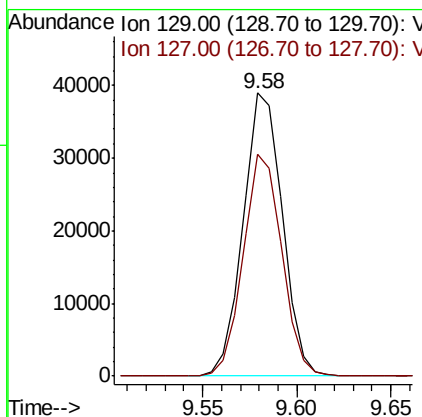
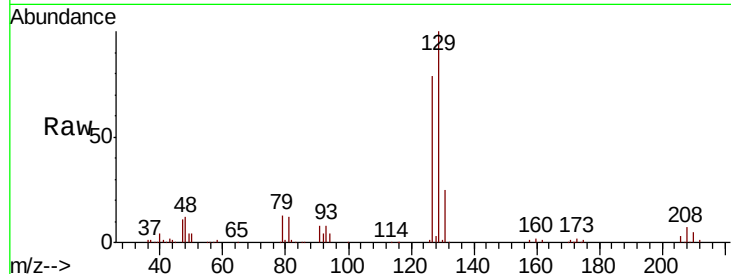
#53
Dibromochloromethane
Concen: 20.298 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX007967.D
Acq: 11 Mar 2019 13:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tgt Ion:129 Resp: 56430
Ion Ratio Lower Upper
129 100
127 77.2 38.4 115.2

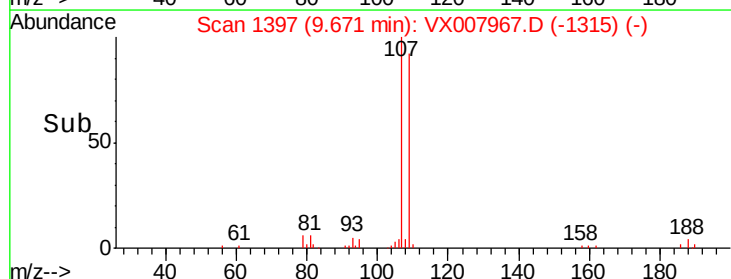
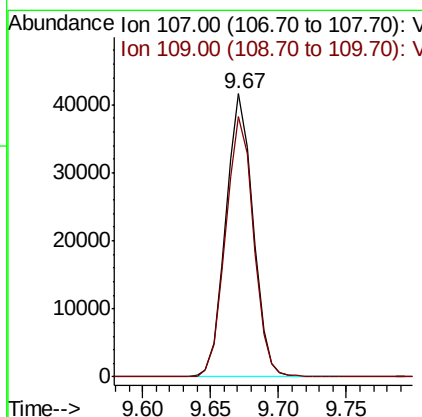
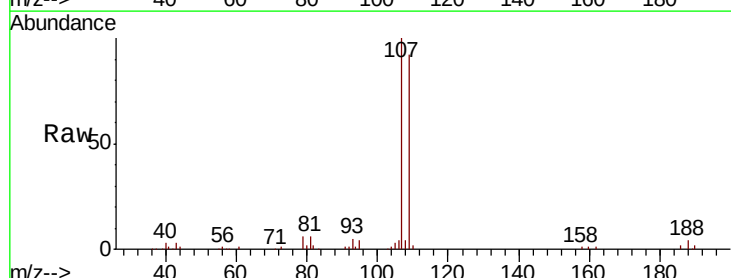
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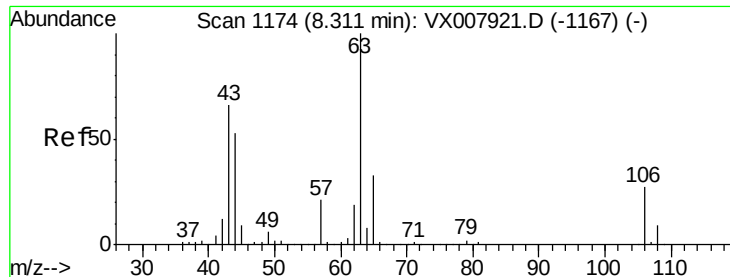
MMDadoda
3/12/2019 1:10:09 PM



#54
1,2-Dibromoethane
Concen: 20.640 ug/l
RT: 9.67 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VX007967.D
Acq: 11 Mar 2019 13:30

Tgt Ion:107 Resp: 58322
Ion Ratio Lower Upper
107 100
109 93.6 76.6 115.0





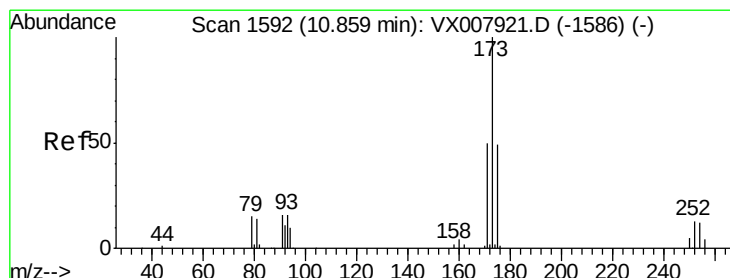
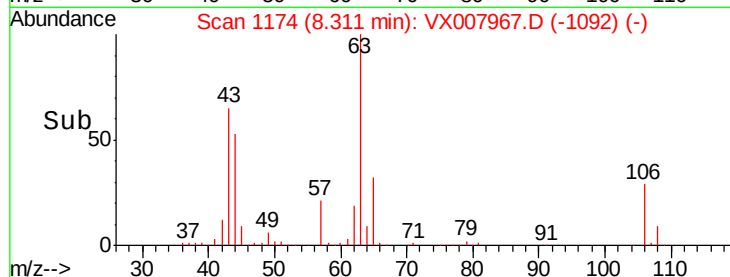
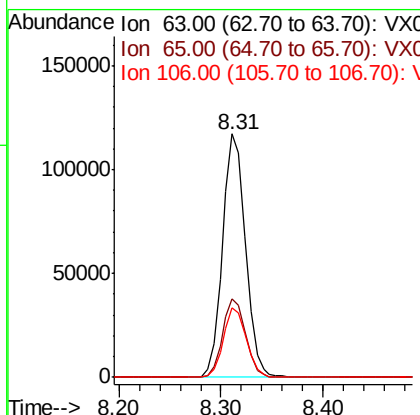
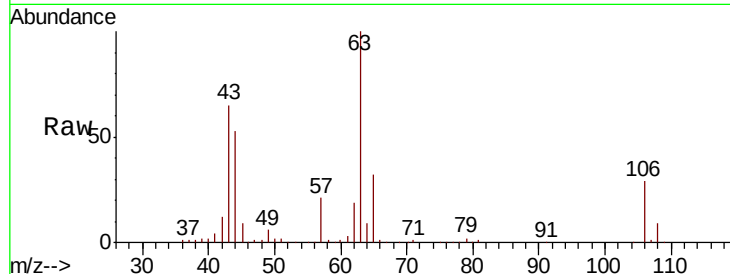
#55
2-Chloroethyl vinyl ether
Concen: 96.346 ug/l
RT: 8.31 min Scan# 1174
Delta R.T. 0.00 min
Lab File: VX007967.D
Acq: 11 Mar 2019 13:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
63	100		
65	32.2	25.7	38.5
106	28.5	23.7	35.5

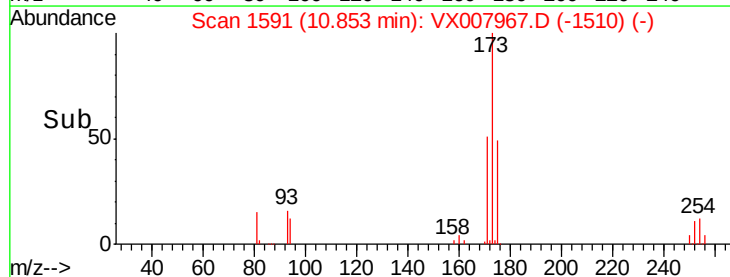
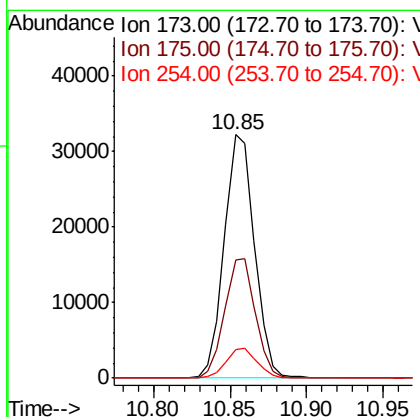
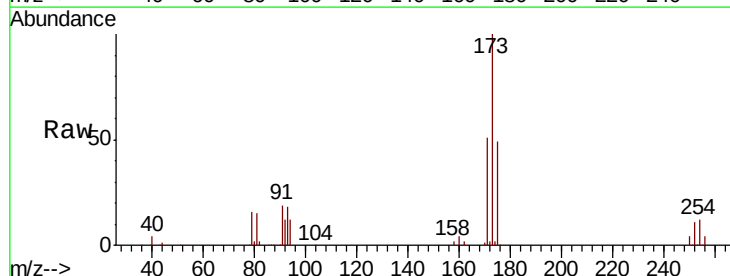
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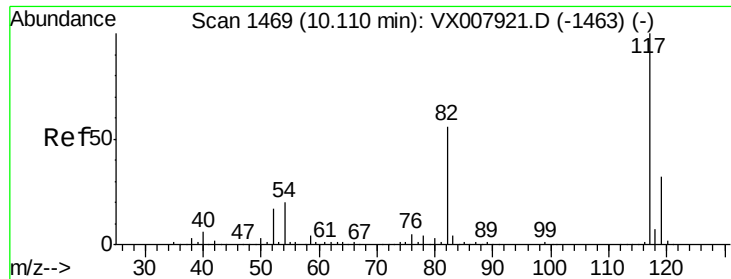
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3/12/2019 1:10:09 PM



#56
Bromoform
Concen: 19.939 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.01 min
Lab File: VX007967.D
Acq: 11 Mar 2019 13:30

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.8	38.5	57.7
254	12.3	7.4	11.2





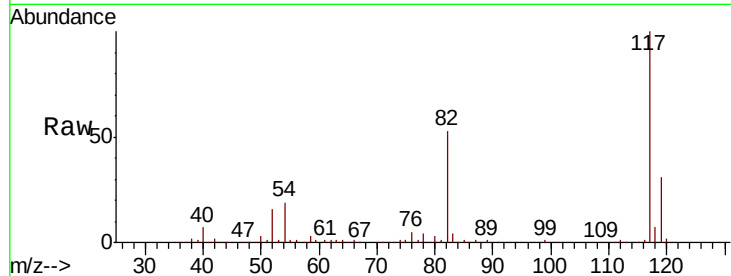
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007967.D
Acq: 11 Mar 2019 13:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

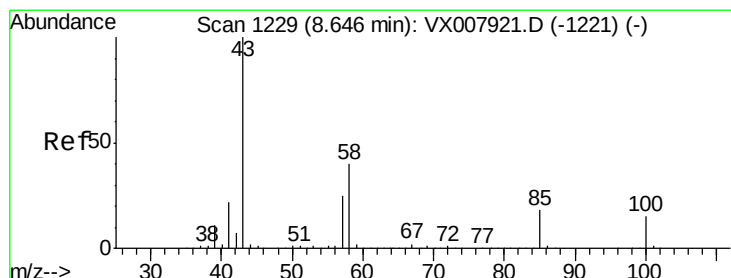
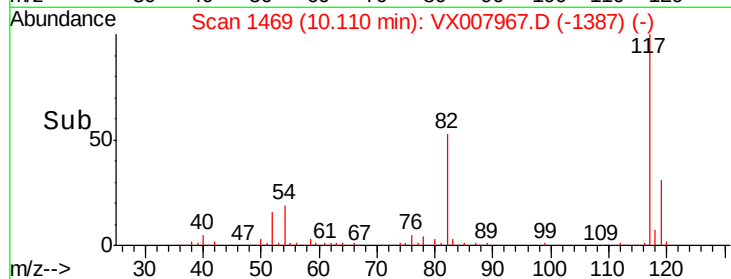
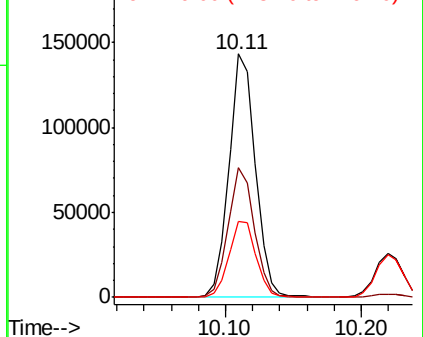
Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.8	40.4	60.6
119	32.1	25.8	38.6

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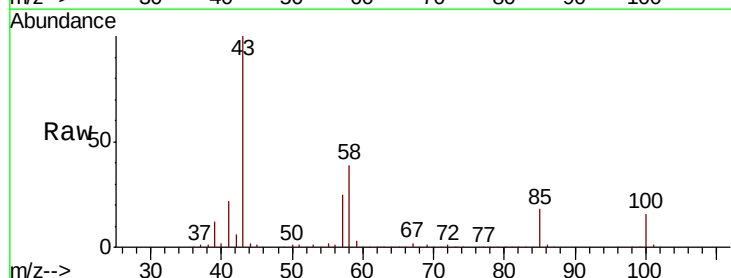


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 119.00 (118.70 to 119.70): V

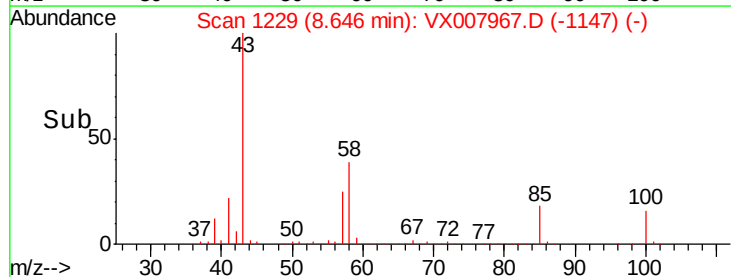
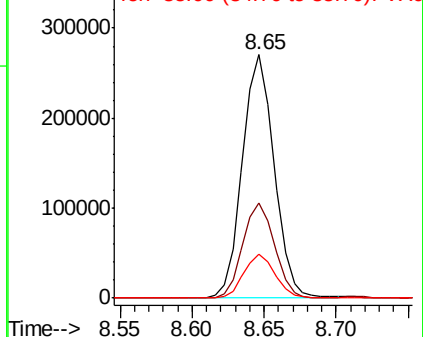


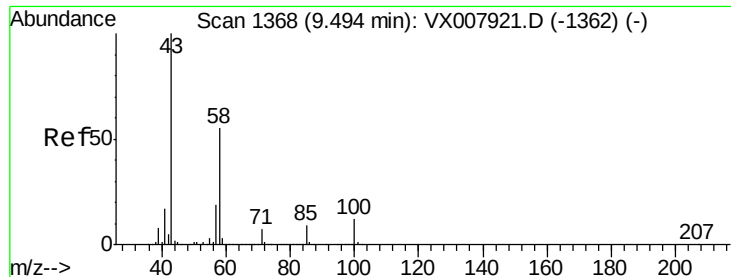
#58
4-Methyl-2-Pentanone
Concen: 103.591 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VX007967.D
Acq: 11 Mar 2019 13:30

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.3	31.4	47.0
85	18.0	15.0	22.6



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0
Ion 85.00 (84.70 to 85.70): VX0





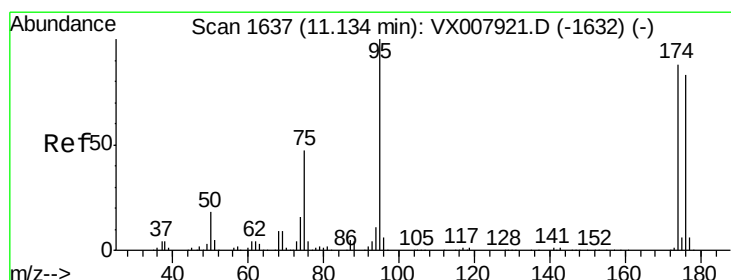
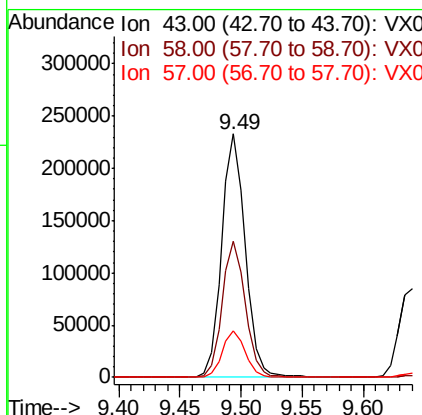
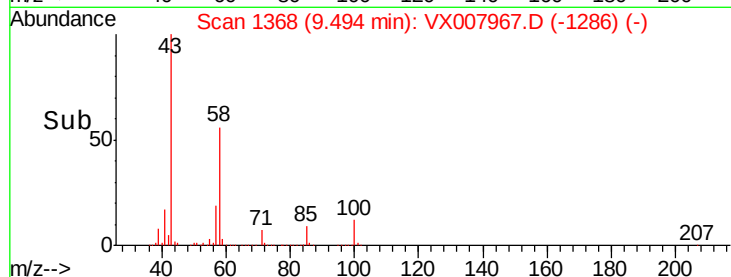
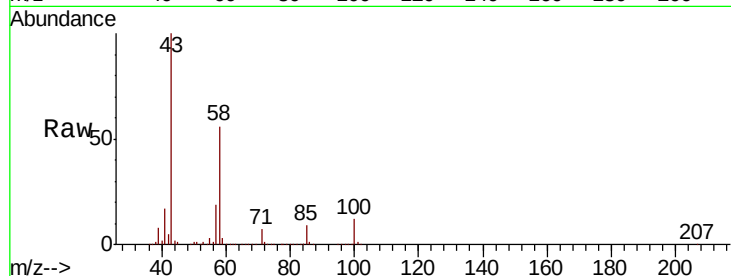
#59
2-Hexanone
Concen: 98.797 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX007967.D
Acq: 11 Mar 2019 13:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
43	100		
58	55.3	43.9	65.9
57	19.0	14.9	22.3

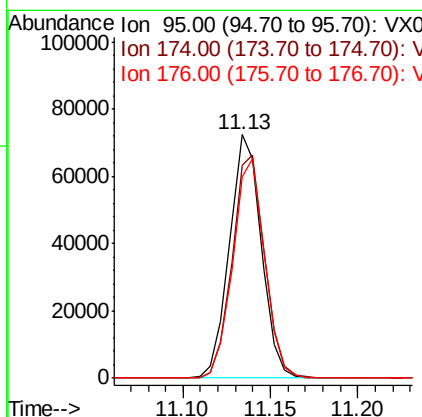
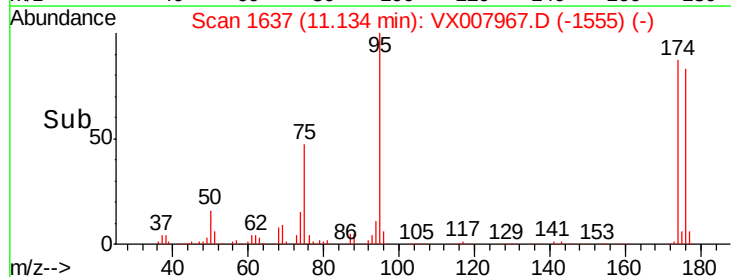
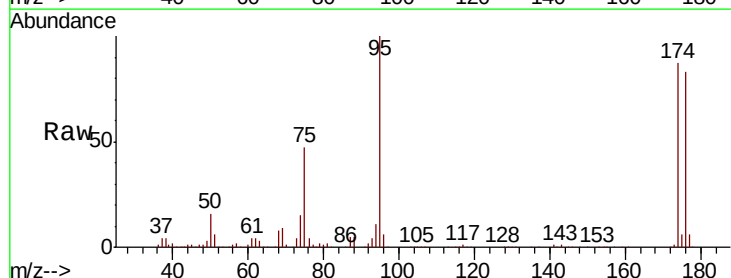
Manual Integrations
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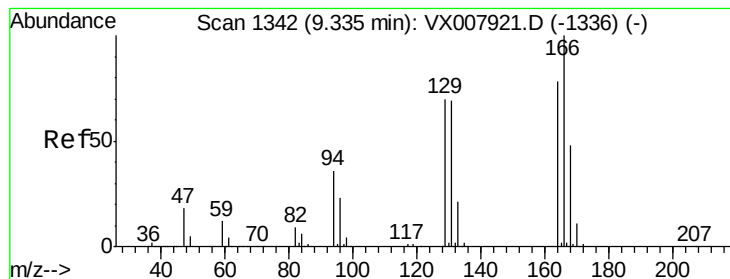
MMDadoda
3/12/2019 1:10:09 PM



#60
4-Bromofluorobenzene
Concen: 29.733 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX007967.D
Acq: 11 Mar 2019 13:30

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.4	74.9	112.3
176	89.8	70.7	106.1





#61

Tetrachloroethene

Concen: 20.809 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX007967.D

Acq: 11 Mar 2019 13:30

Instrument :

MSVOA_X

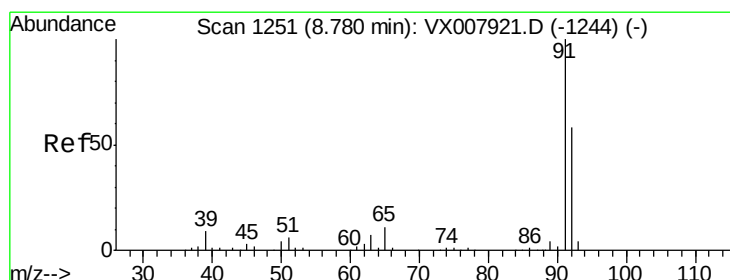
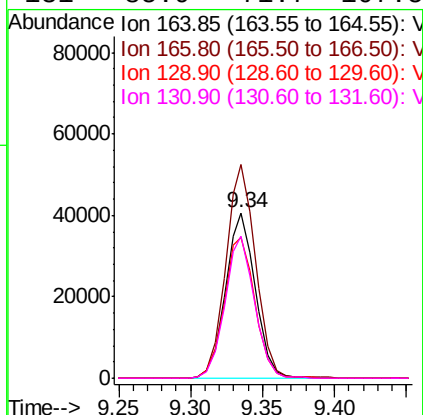
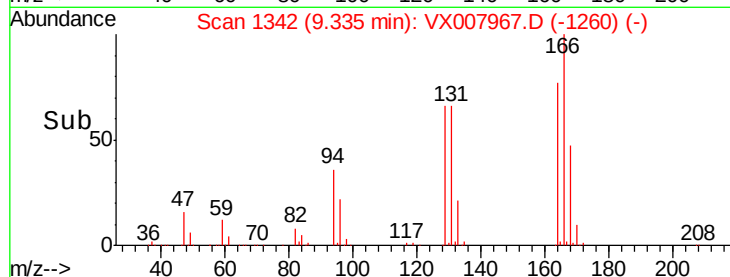
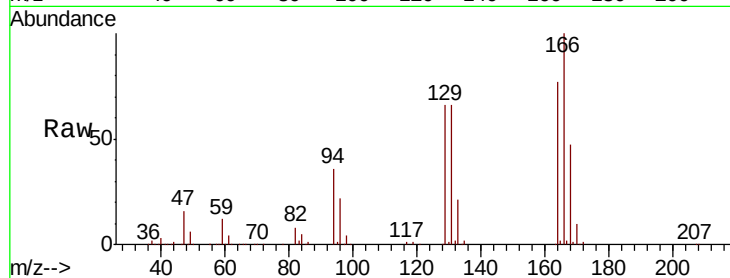
ClientSampleId :

VSTDCCC020EC

Tgt Ion:	164	Resp:	58801
Ion Ratio	Lower	Upper	
164	100		
166	129.3	103.9	155.9
129	85.6	74.7	112.1
131	85.9	71.7	107.5

Manual Integrations
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3/12/2019 1:10:09 PM



#62

Toluene

Concen: 20.164 ug/l

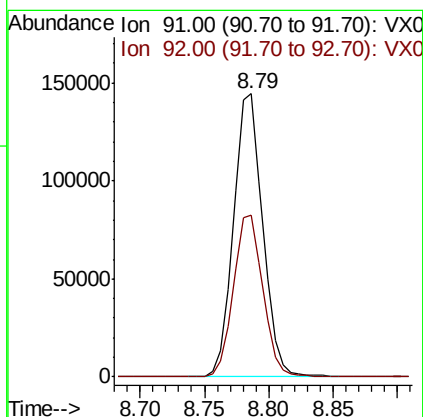
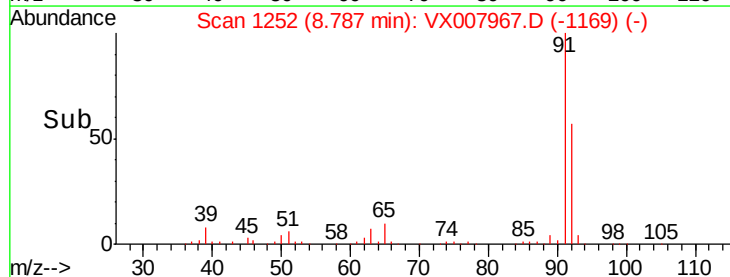
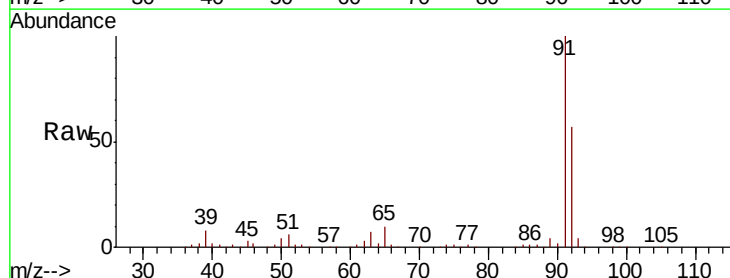
RT: 8.79 min Scan# 1252

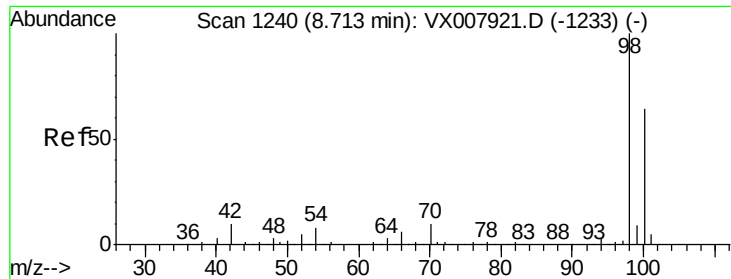
Delta R.T. 0.01 min

Lab File: VX007967.D

Acq: 11 Mar 2019 13:30

Tgt Ion:	91	Resp:	228075
Ion Ratio	Lower	Upper	
91	100		
92	57.6	46.4	69.6





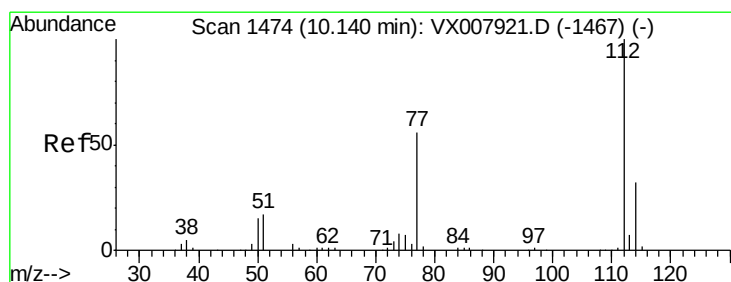
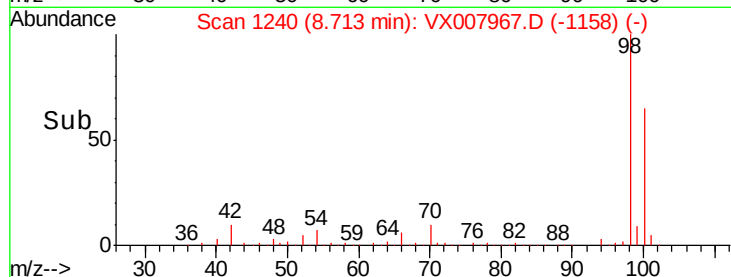
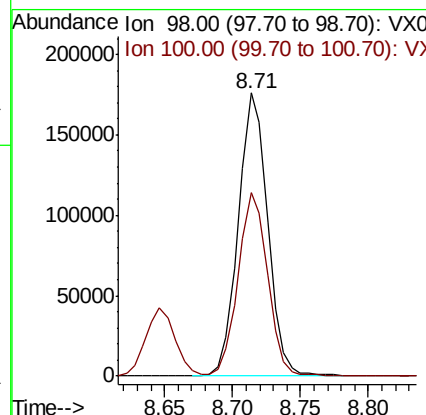
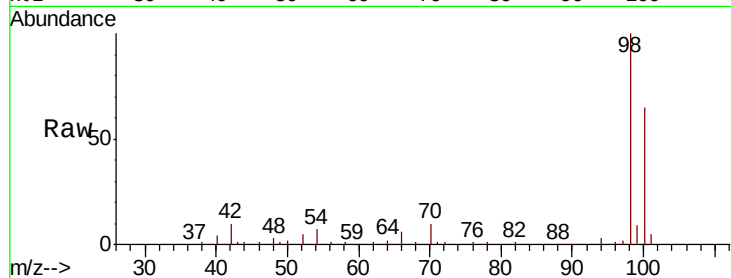
#63
Toluene-d8
Concen: 29.934 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX007967.D
Acq: 11 Mar 2019 13:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 98 Resp: 265356
Ion Ratio Lower Upper
98 100
100 65.3 50.9 76.3

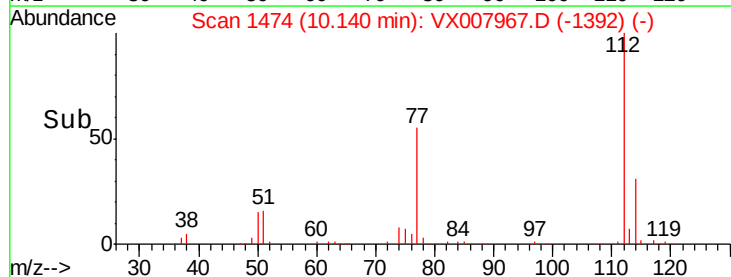
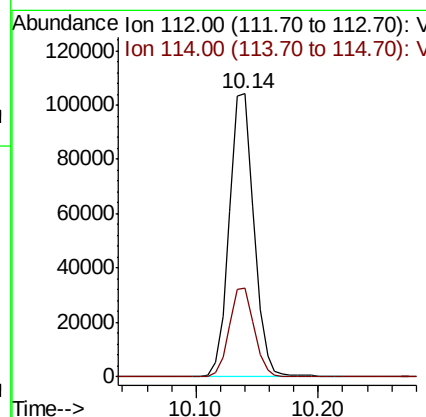
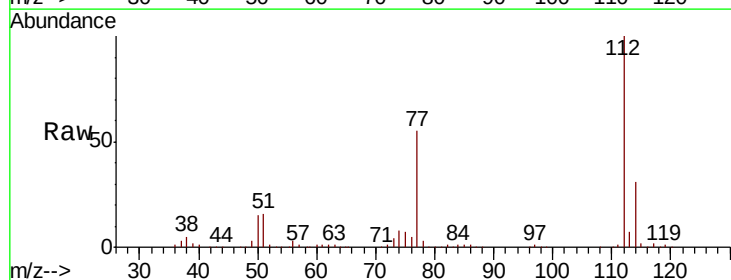
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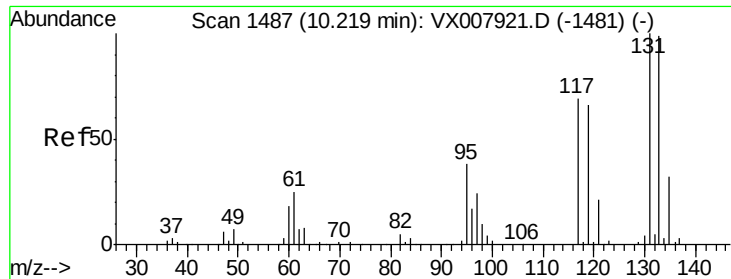
MMDadoda
3/12/2019 1:10:09 PM



#64
Chlorobenzene
Concen: 20.222 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX007967.D
Acq: 11 Mar 2019 13:30

Tgt Ion: 112 Resp: 145781
Ion Ratio Lower Upper
112 100
114 31.2 25.4 38.2





#65

1,1,1,2-Tetrachloroethane

Concen: 20.952 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX007967.D

Acq: 11 Mar 2019 13:30

Instrument :

MSVOA_X

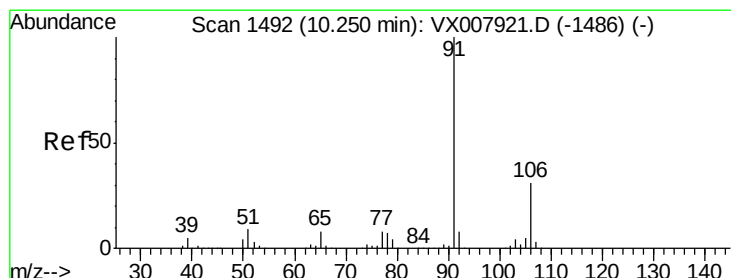
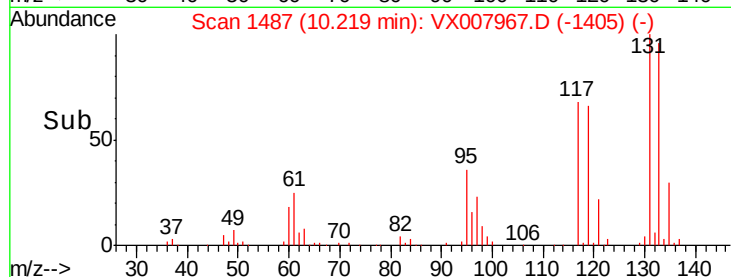
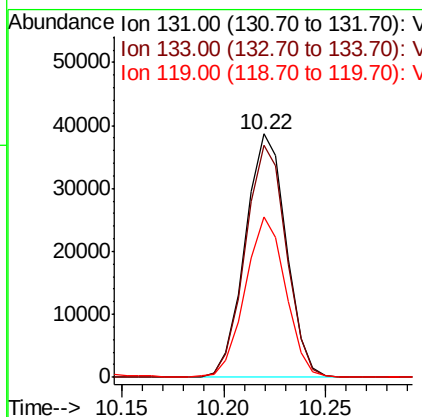
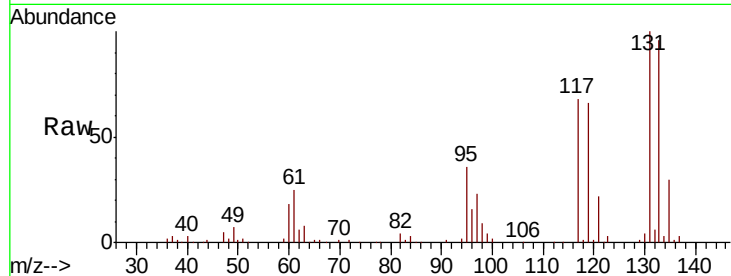
ClientSampleId :

VSTDCCC020EC

Tgt Ion:	131	Resp:	54080
Ion	Ratio	Lower	Upper
131	100		
133	95.4	0.0	191.6
119	65.0	0.0	127.4

Manual Integrations
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#66

Ethyl Benzene

Concen: 19.908 ug/l

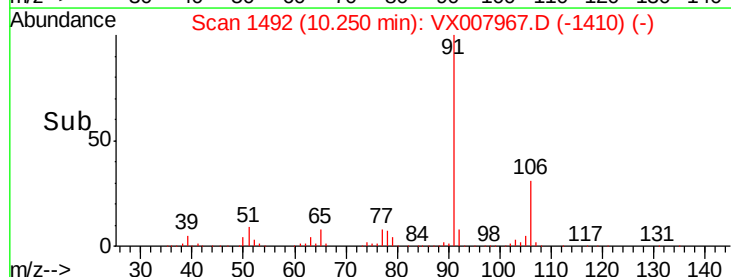
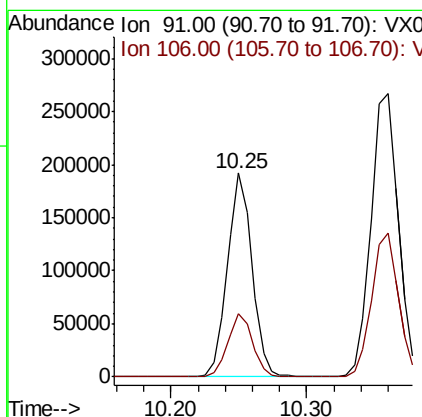
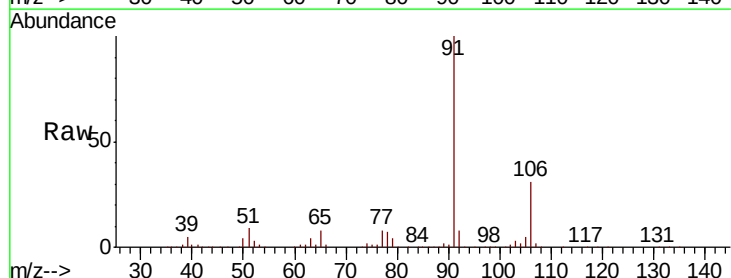
RT: 10.25 min Scan# 1492

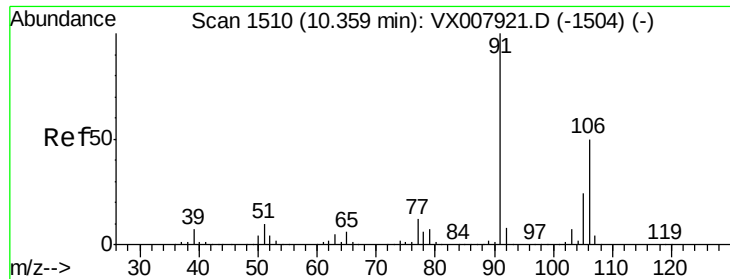
Delta R.T. 0.00 min

Lab File: VX007967.D

Acq: 11 Mar 2019 13:30

Tgt Ion:	91	Resp:	241871
Ion	Ratio	Lower	Upper
91	100		
106	31.3	26.0	39.0





#67

m/p-Xylenes

Concen: 39.908 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX007967.D

Acq: 11 Mar 2019 13:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tgt Ion:106 Resp: 185917

Ion Ratio Lower Upper

106 100

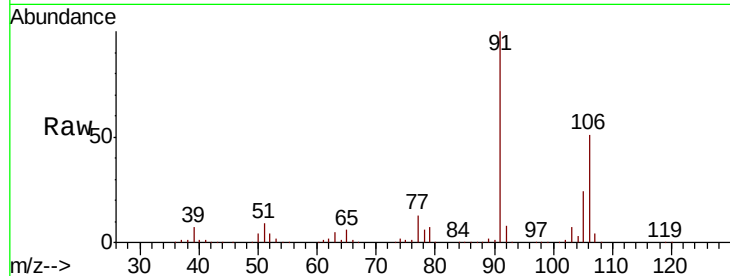
91 200.4 157.0 235.4

Manual Integrations

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3/12/2019 1:10:09 PM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

300000

250000

200000

150000

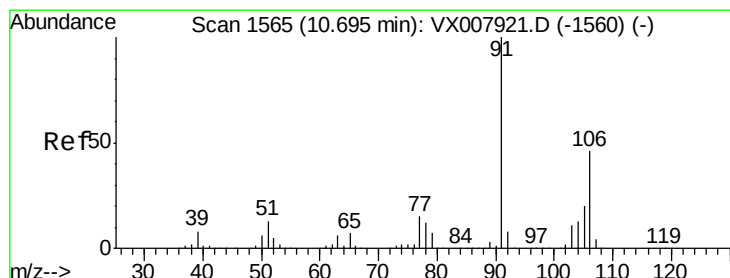
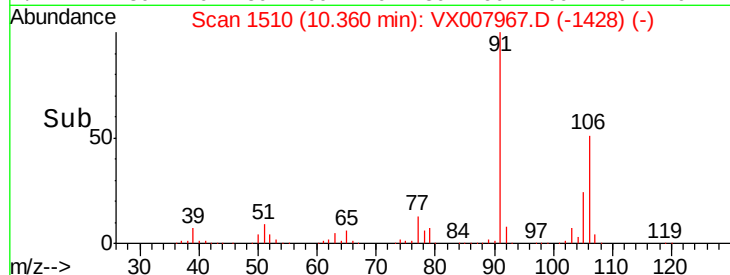
100000

50000

0

10.30 10.35 10.40 10.45

Time-->



#68

o-Xylene

Concen: 19.925 ug/l

RT: 10.70 min Scan# 1566

Delta R.T. 0.01 min

Lab File: VX007967.D

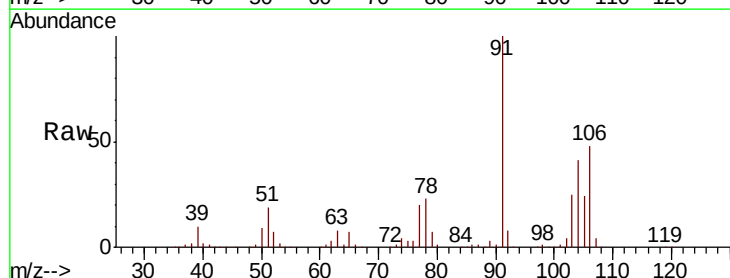
Acq: 11 Mar 2019 13:30

Tgt Ion:106 Resp: 90134

Ion Ratio Lower Upper

106 100

91 213.2 104.4 313.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

150000

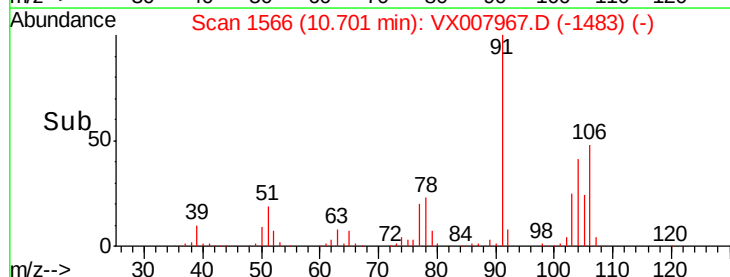
100000

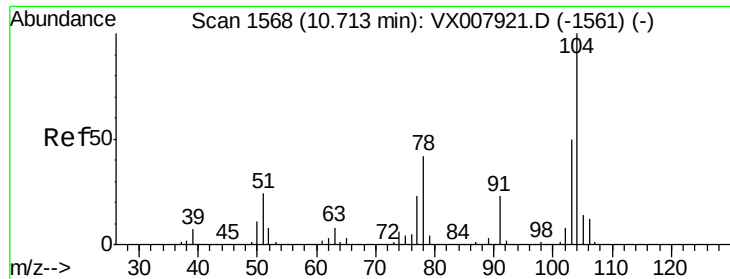
50000

0

10.65 10.70 10.75

Time-->





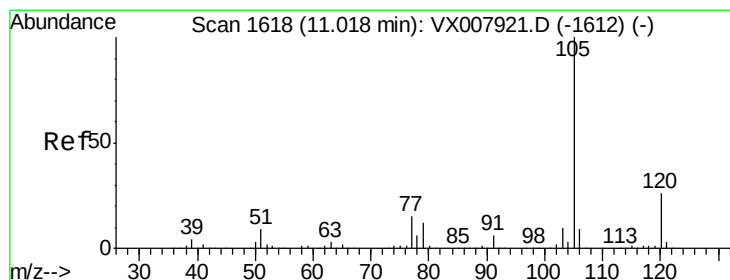
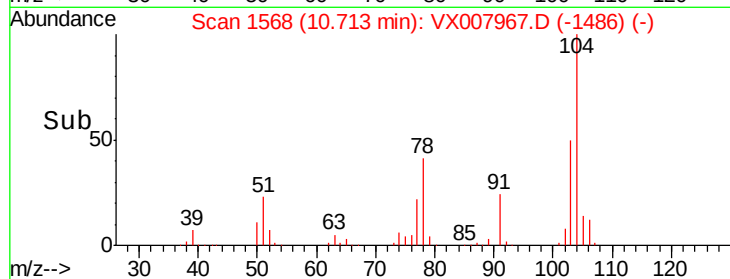
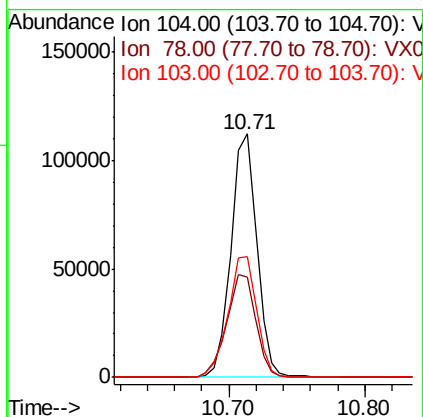
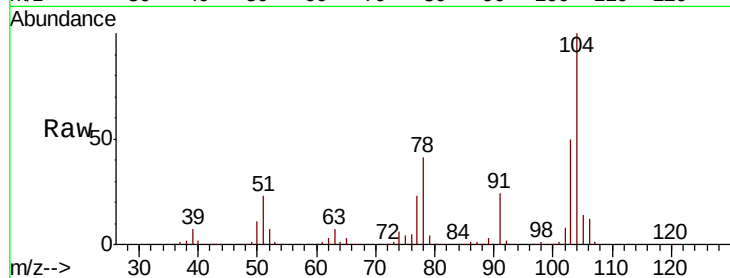
#69
Styrene
Concen: 20.042 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX007967.D
Acq: 11 Mar 2019 13:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.6	38.2	57.2
103	55.1	45.0	67.4

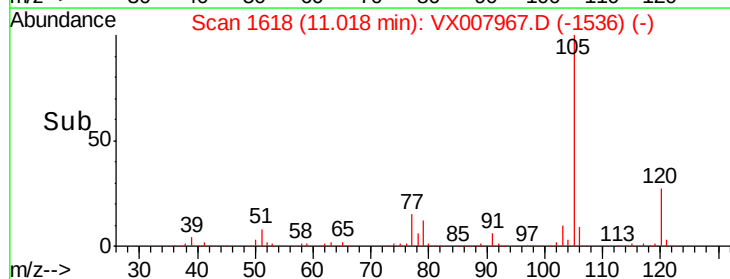
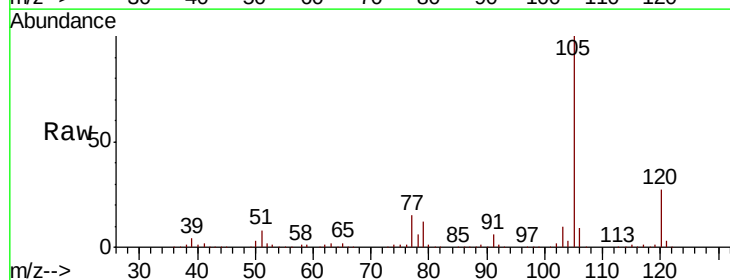
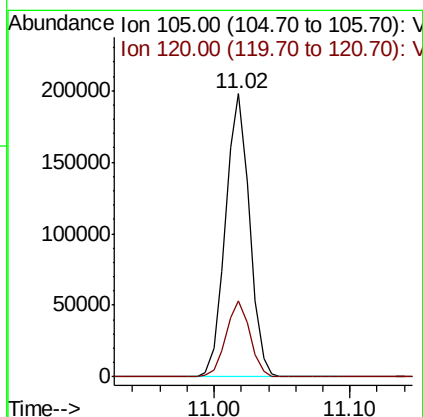
Manual Integrations
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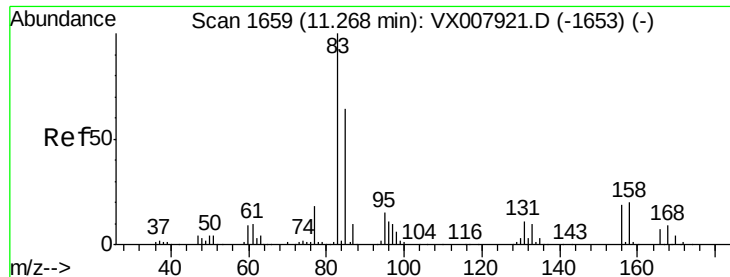
MMDadoda
3/12/2019 1:10:09 PM



#70
Isopropylbenzene
Concen: 20.081 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX007967.D
Acq: 11 Mar 2019 13:30

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.8	19.8	36.8





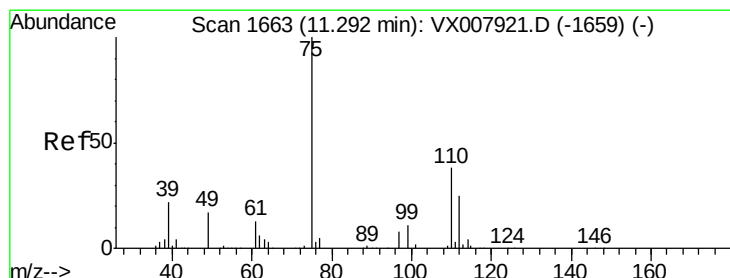
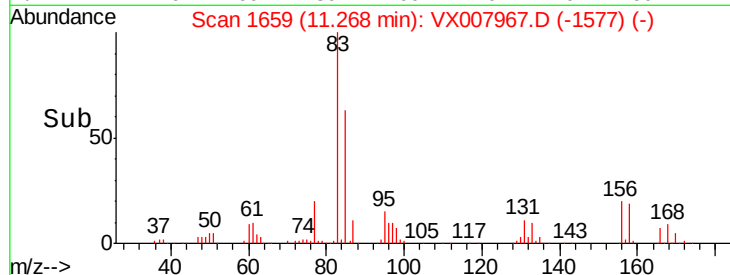
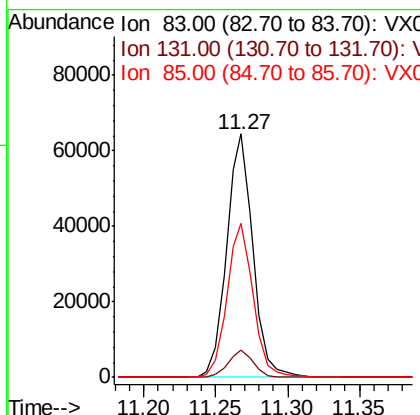
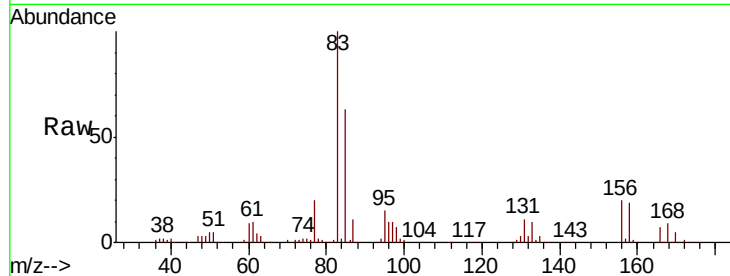
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.680 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. 0.00 min
 Lab File: VX007967.D
 Acq: 11 Mar 2019 13:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	82559		
131	10.8	5.4	16.2	
85	63.4	32.8	98.4	

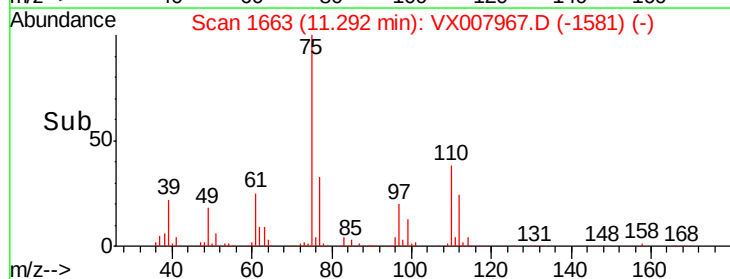
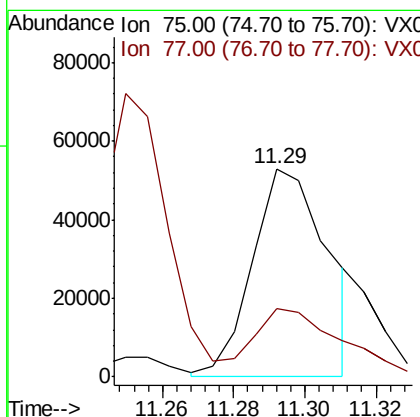
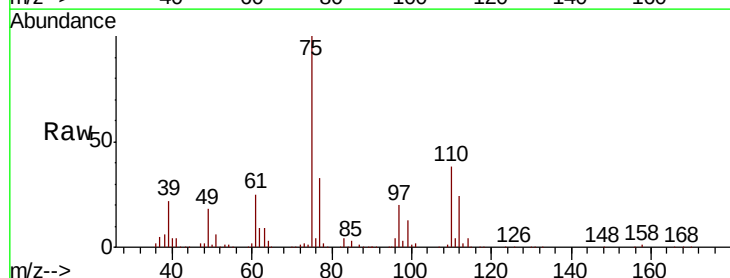
Manual Integrations
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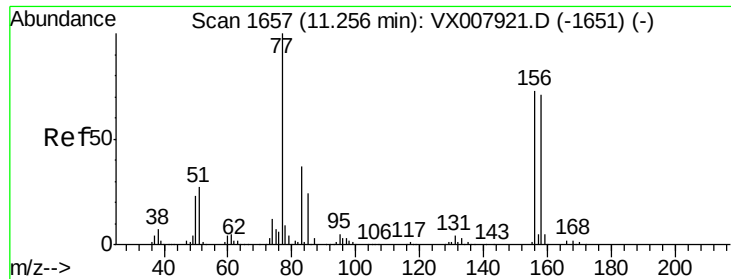
MMDadoda
 3/12/2019 1:10:09 PM



#72
 1,2,3-Trichloropropane
 Concen: 20.704 ug/l m
 RT: 11.29 min Scan# 1663
 Delta R.T. 0.00 min
 Lab File: VX007967.D
 Acq: 11 Mar 2019 13:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	77910		
77	39.0	0.0	76.4	





#73

Bromobenzene

Concen: 20.434 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX007967.D

Acq: 11 Mar 2019 13:30

Instrument :

MSVOA_X

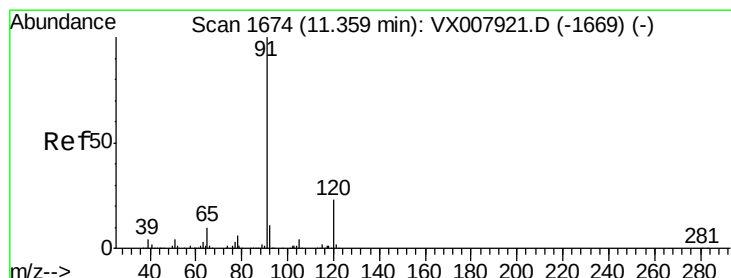
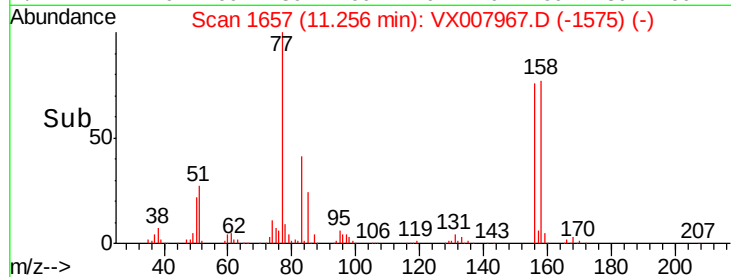
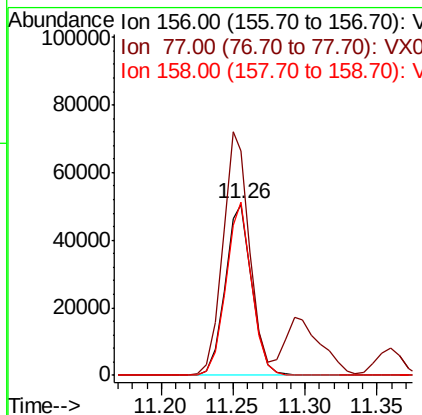
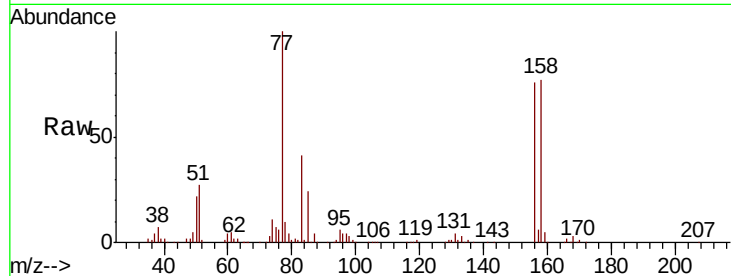
ClientSampleId :

VSTDCCC020EC

Tgt Ion:	156	Resp:	65667
Ion Ratio	Lower	Upper	
156	100		
77	141.5	0.0	271.4
158	98.1	0.0	194.0

Manual Integrations
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3/12/2019 1:10:09 PM



#74

n-propylbenzene

Concen: 19.695 ug/l

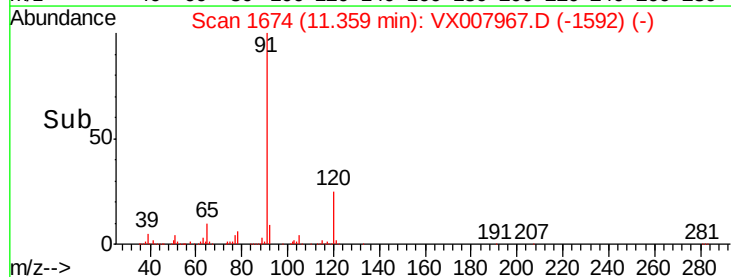
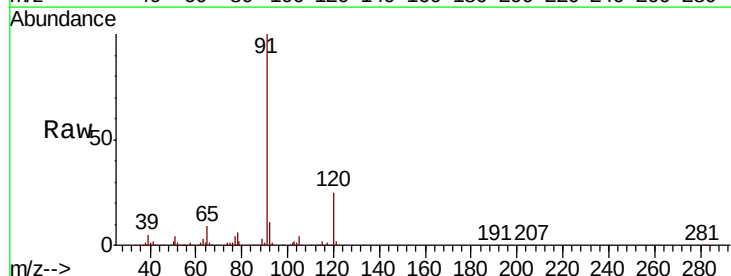
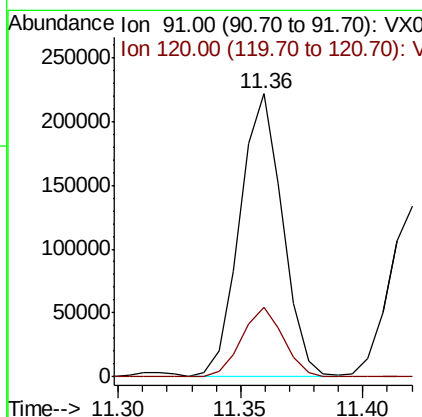
RT: 11.36 min Scan# 1674

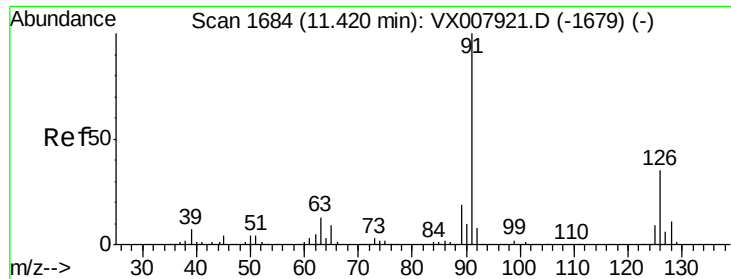
Delta R.T. 0.00 min

Lab File: VX007967.D

Acq: 11 Mar 2019 13:30

Tgt Ion:	91	Resp:	268537
Ion Ratio	Lower	Upper	
91	100		
120	24.0	0.0	48.6





#75

2-Chlorotoluene

Concen: 19.981 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX007967.D

Acq: 11 Mar 2019 13:30

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC020EC

Tgt Ion: 91 Resp: 163293

Ion Ratio Lower Upper

91 100

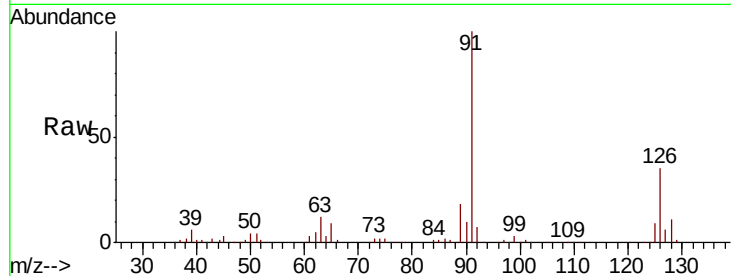
126 35.0 0.0 75.2

Manual Integrations

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3/12/2019 1:10:09 PM



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

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

250000

200000

150000

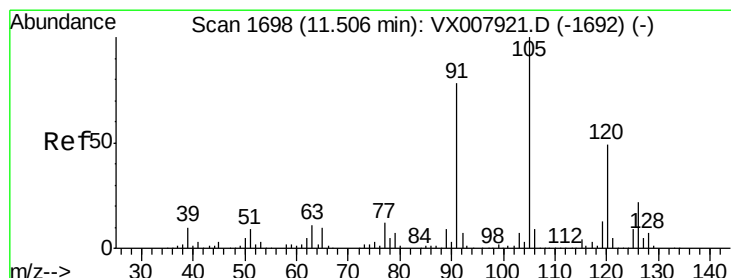
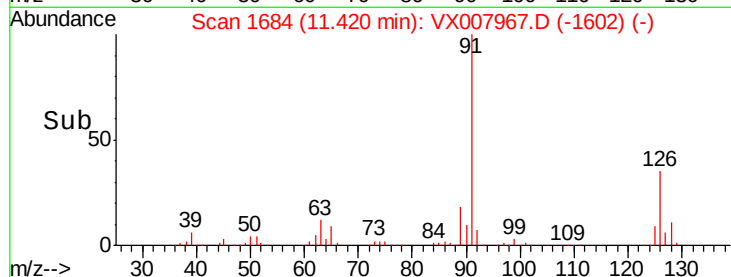
100000

50000

0

11.40 11.45

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 20.063 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX007967.D

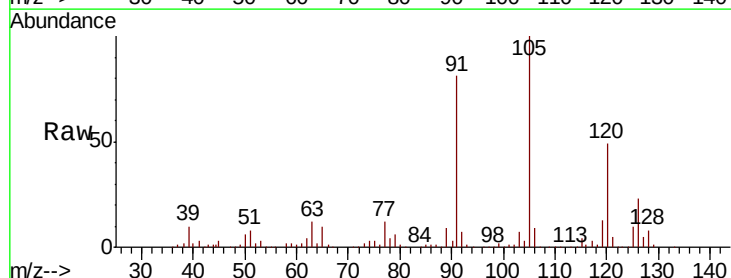
Acq: 11 Mar 2019 13:30

Tgt Ion: 105 Resp: 200988

Ion Ratio Lower Upper

105 100

120 49.0 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) (-)

200000

150000

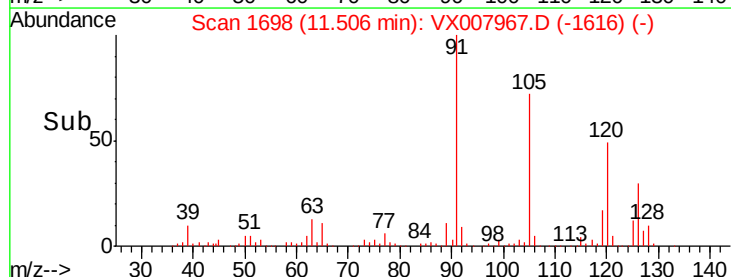
100000

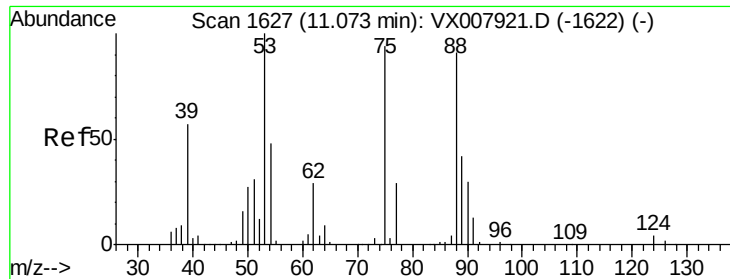
50000

0

11.50 11.60

Time-->





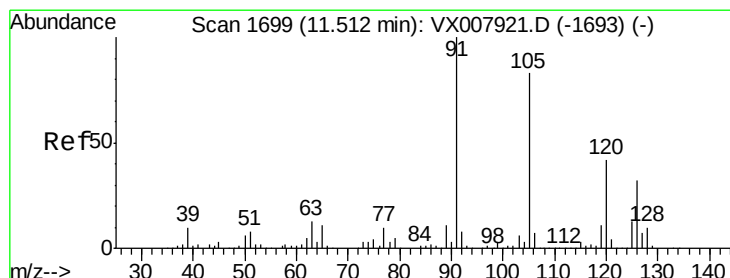
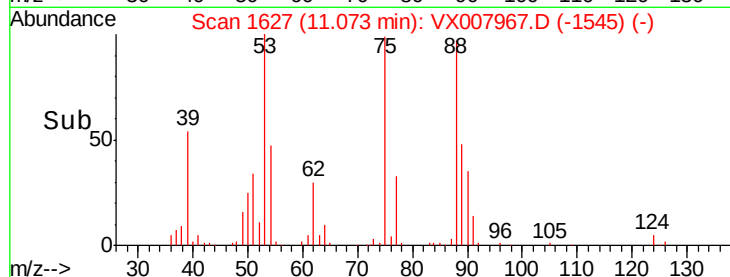
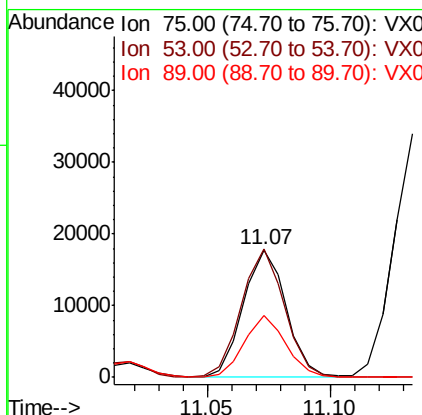
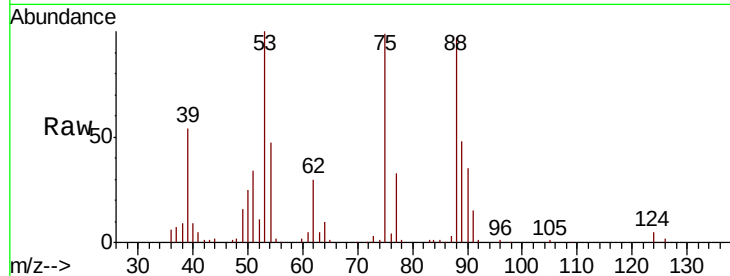
#77
t-1,4-Dichloro-2-butene
Concen: 18.792 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX007967.D
Acq: 11 Mar 2019 13:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
75	100		
53	100.5	55.5	166.7
89	48.8	24.4	73.2

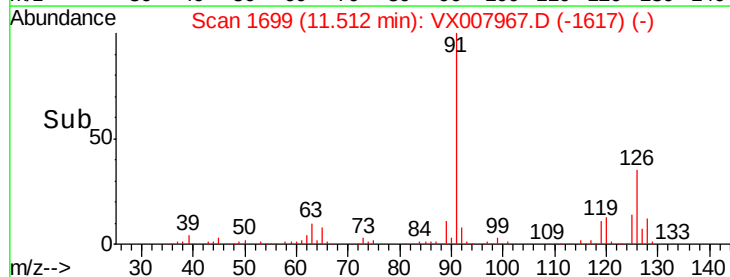
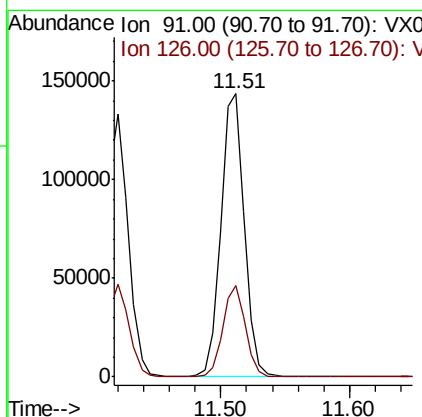
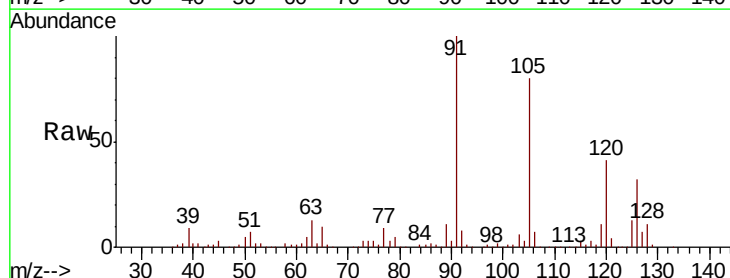
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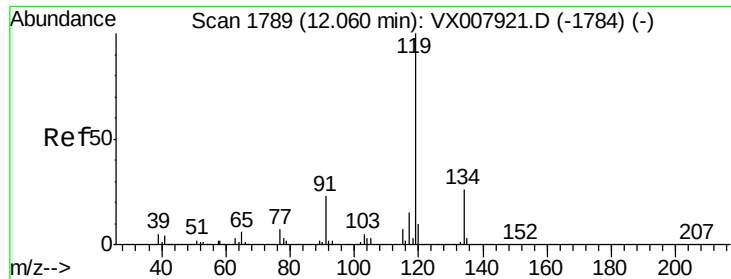
MMDadoda
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#78
4-Chlorotoluene
Concen: 19.927 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX007967.D
Acq: 11 Mar 2019 13:30

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.0	0.0	66.2





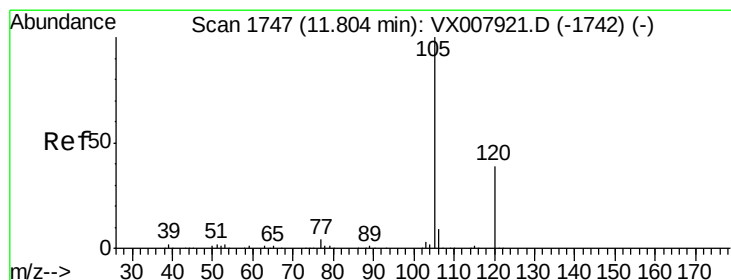
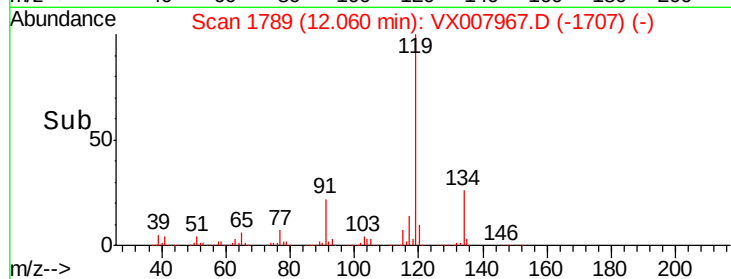
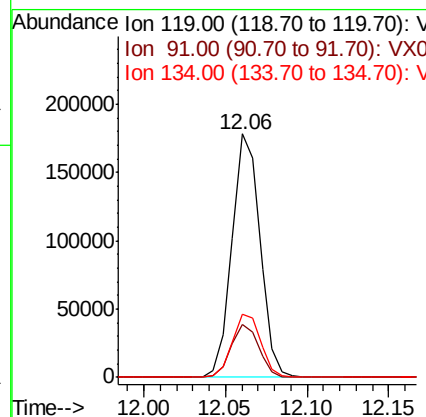
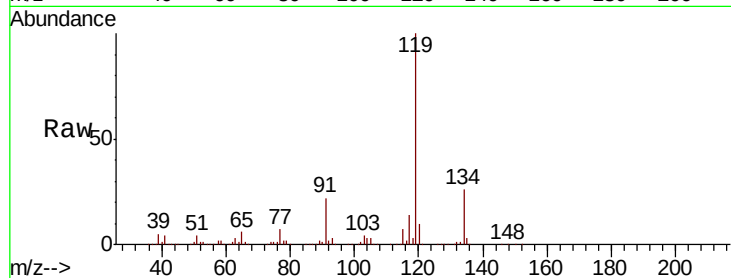
#79
tert-butylbenzene
Concen: 19.841 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX007967.D
Acq: 11 Mar 2019 13:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	213296		
91	21.7	0.0	45.0	
134	26.2	0.0	55.4	

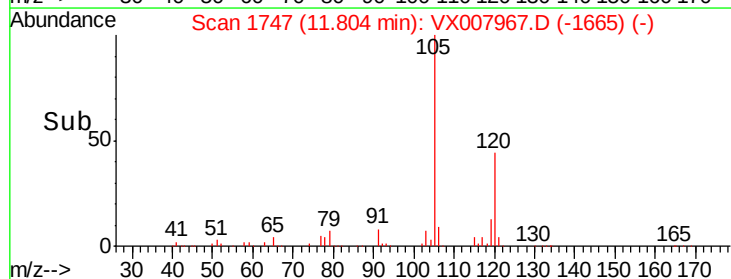
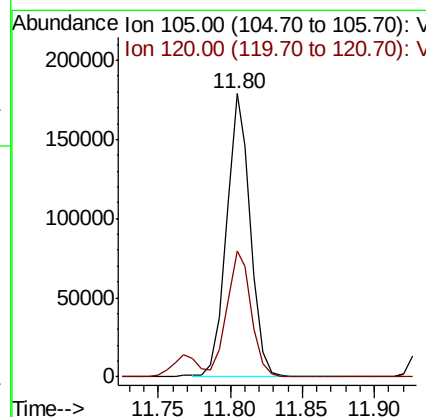
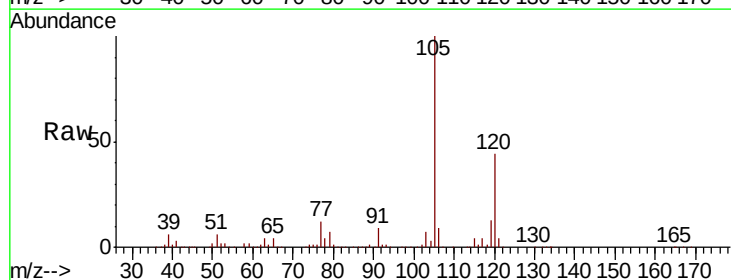
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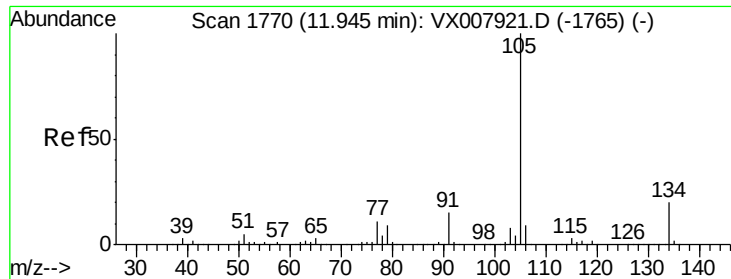
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#80
1,2,4-Trimethylbenzene
Concen: 20.371 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX007967.D
Acq: 11 Mar 2019 13:30

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	207116		
120	45.1	0.0	94.0	





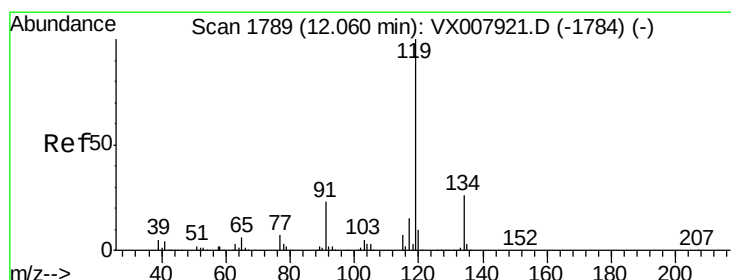
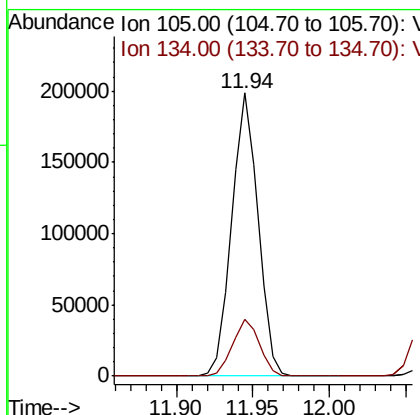
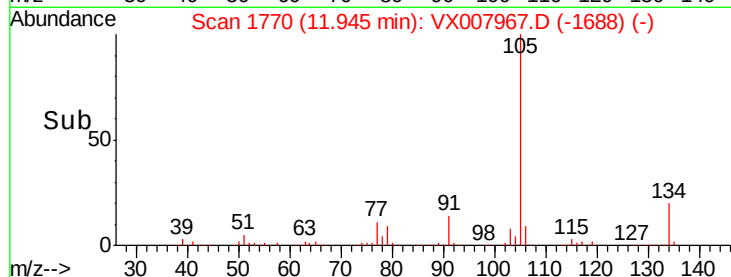
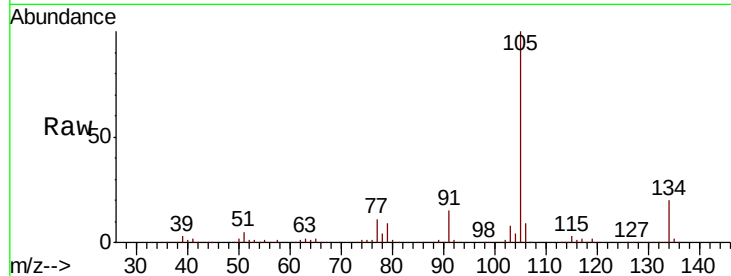
#81
 sec-Butylbenzene
 Concen: 19.708 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX007967.D
 Acq: 11 Mar 2019 13:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.4	0.0	41.8

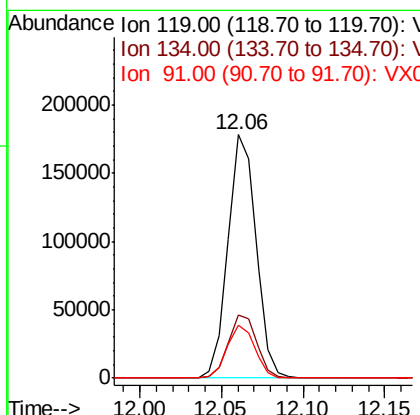
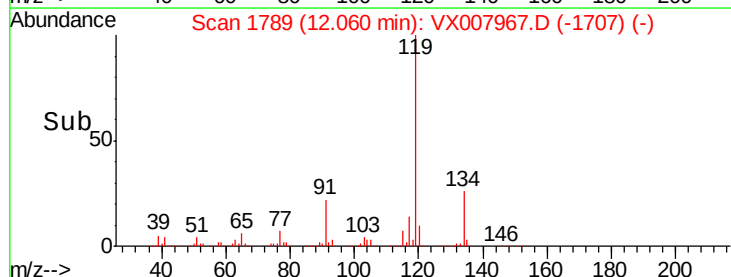
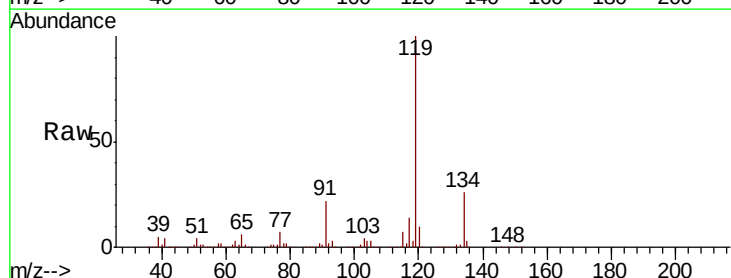
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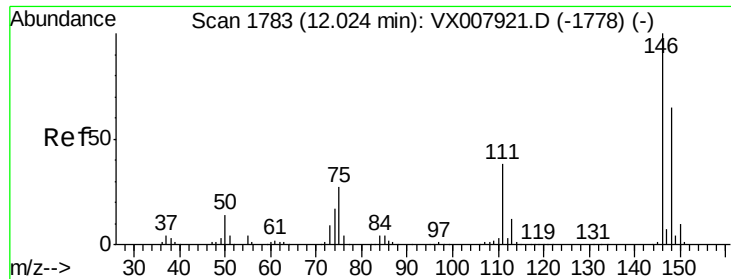
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#82
 p-Isopropyltoluene
 Concen: 19.841 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX007967.D
 Acq: 11 Mar 2019 13:30

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.2	0.0	55.4
91	21.7	0.0	45.0





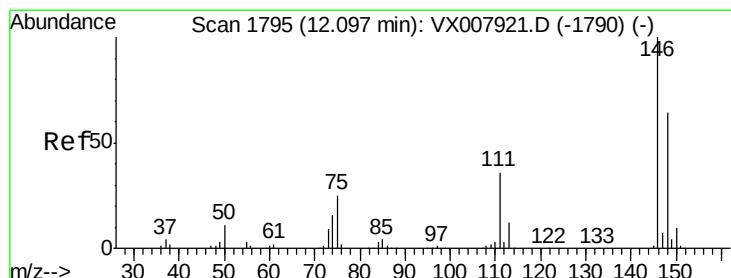
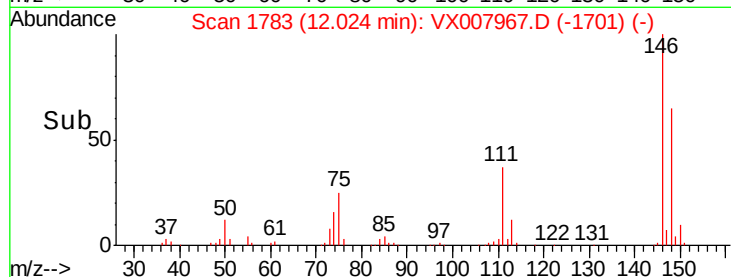
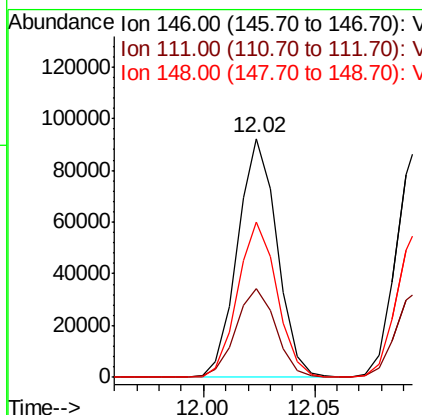
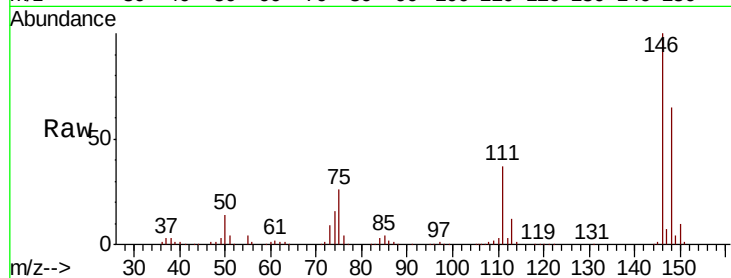
#83
 1,3-Dichlorobenzene
 Concen: 19.920 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX007967.D
 Acq: 11 Mar 2019 13:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.8	56.3
148	65.0	30.6	91.8

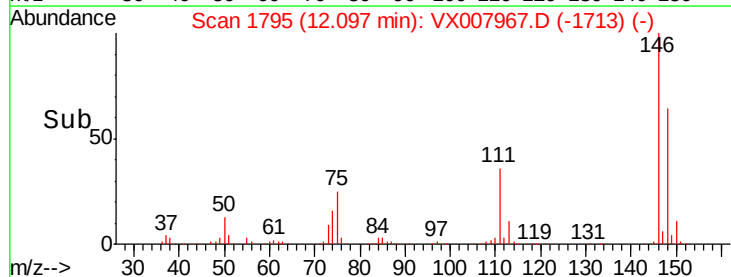
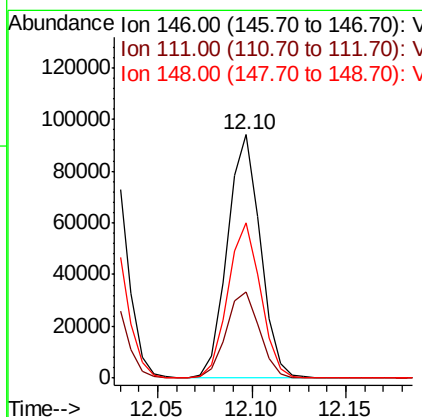
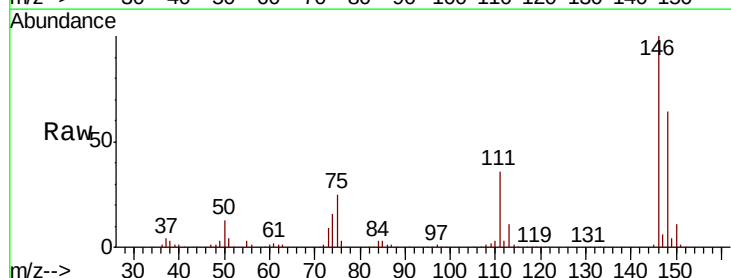
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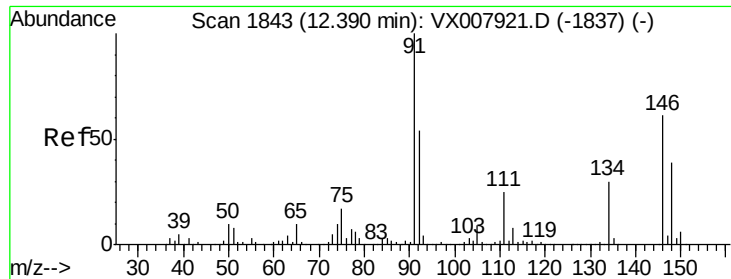
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#84
 1,4-Dichlorobenzene
 Concen: 19.910 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX007967.D
 Acq: 11 Mar 2019 13:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.2	17.6	52.8
148	63.8	31.4	94.2





#85

n-Butylbenzene

Concen: 19.032 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.01 min

Lab File: VX007967.D

Acq: 11 Mar 2019 13:30

Instrument :

MSVOA_X

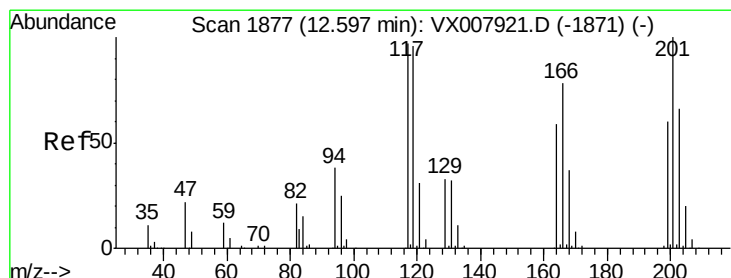
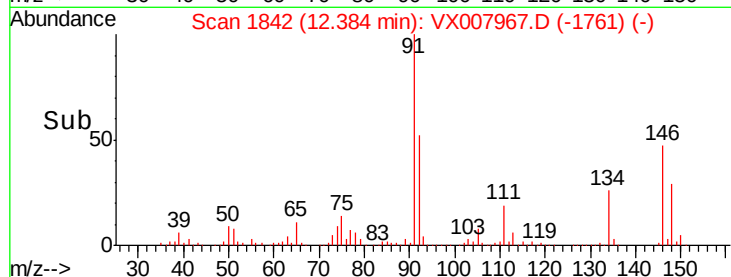
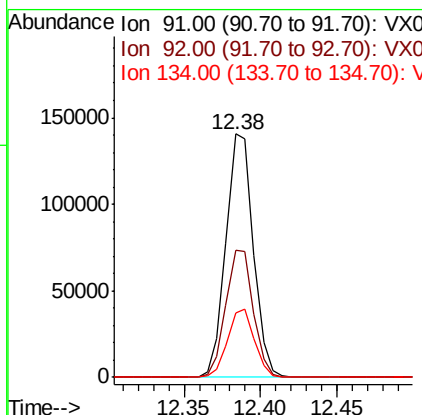
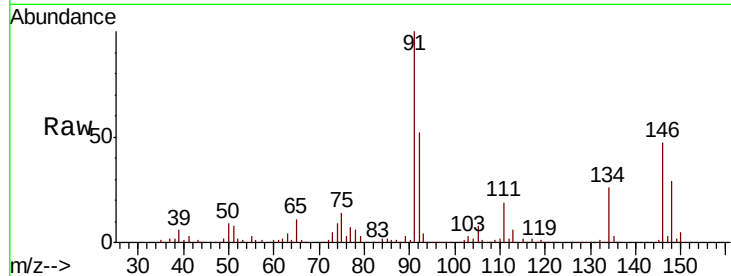
ClientSampleId :

VSTDCCC020EC

Tgt Ion:	91	Resp:	174975
Ion	Ratio	Lower	Upper
91	100		
92	52.7	0.0	105.2
134	27.5	0.0	56.4

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#86

Hexachloroethane

Concen: 19.234 ug/l

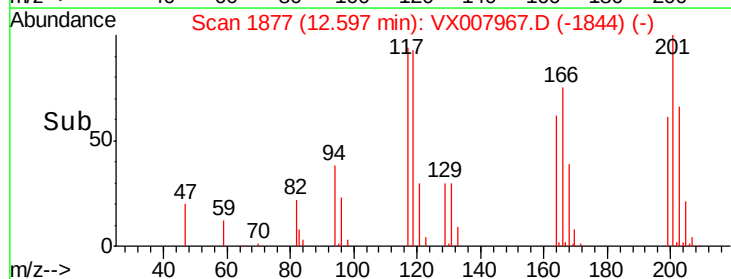
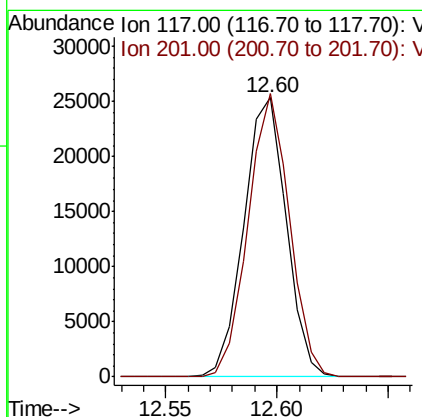
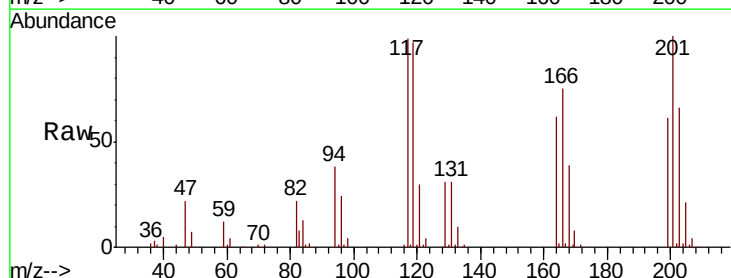
RT: 12.60 min Scan# 1877

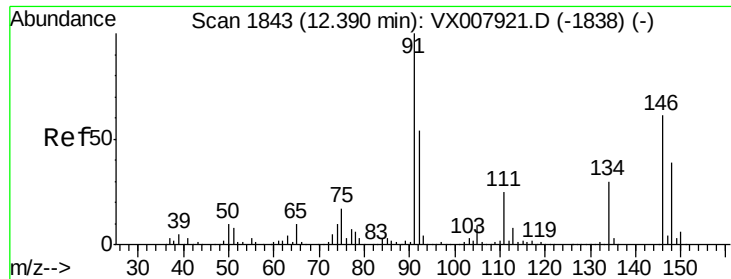
Delta R.T. 0.00 min

Lab File: VX007967.D

Acq: 11 Mar 2019 13:30

Tgt Ion:	117	Resp:	33691
Ion	Ratio	Lower	Upper
117	100		
201	98.4	41.1	123.3





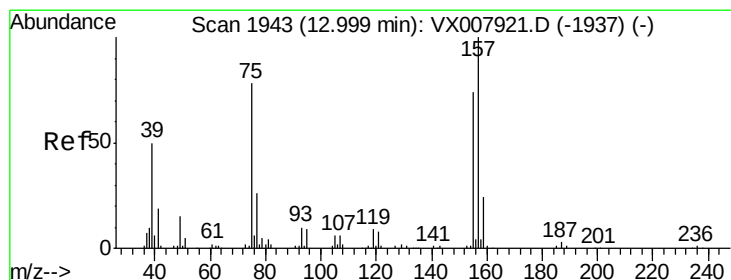
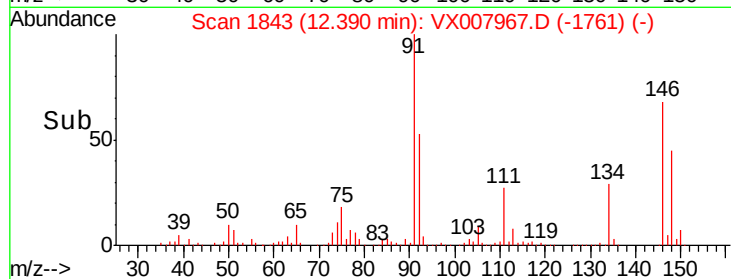
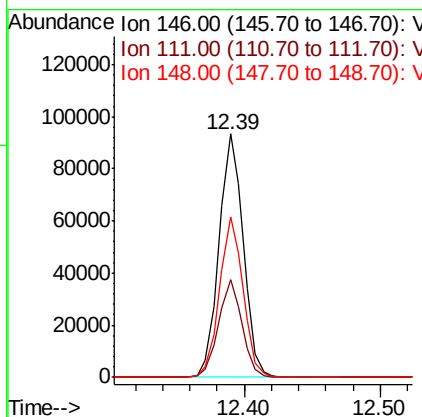
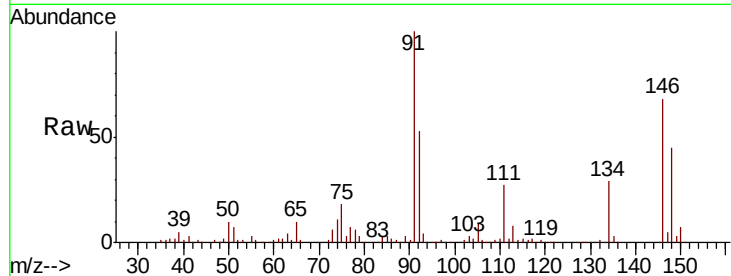
#87
 1,2-Dichlorobenzene
 Concen: 20.351 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX007967.D
 Acq: 11 Mar 2019 13:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	115076		
111	39.0	19.3	57.8	
148	63.9	32.1	96.3	

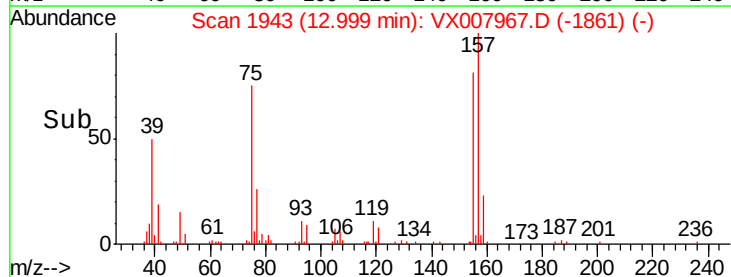
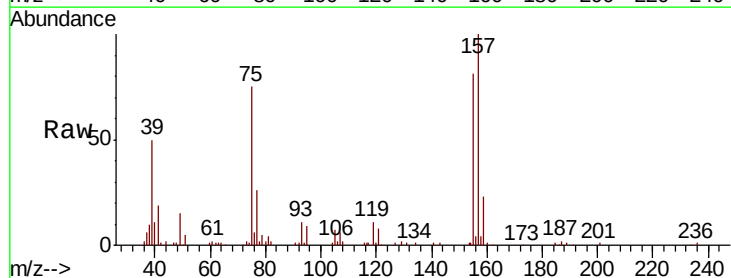
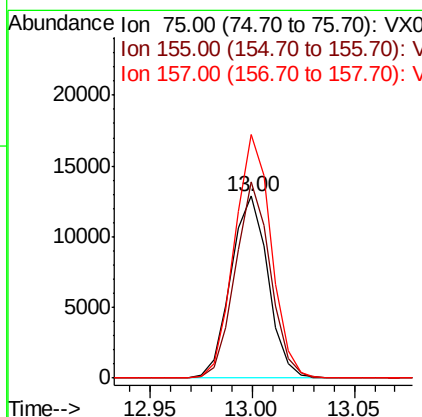
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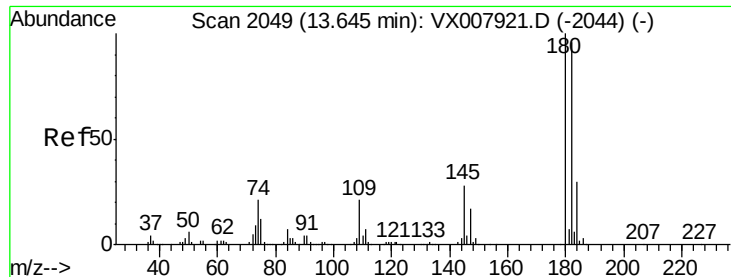
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.914 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX007967.D
 Acq: 11 Mar 2019 13:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	16239		
155	101.7	81.0	121.6	
157	131.6	103.2	154.8	





#89

1,2,4-Trichlorobenzene

Concen: 19.766 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. 0.00 min

Lab File: VX007967.D

Acq: 11 Mar 2019 13:30

Instrument :

MSVOA_X

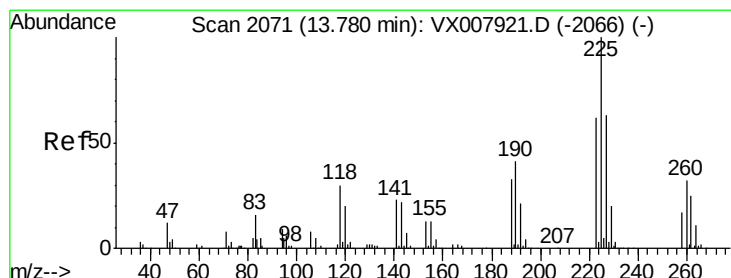
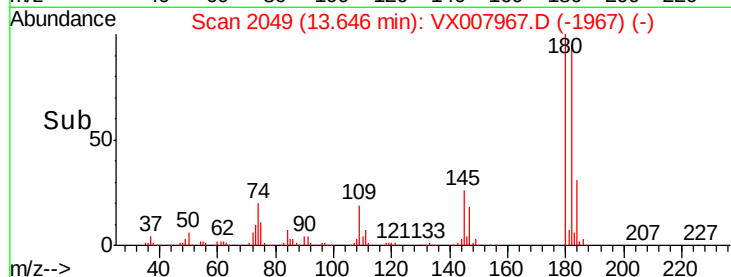
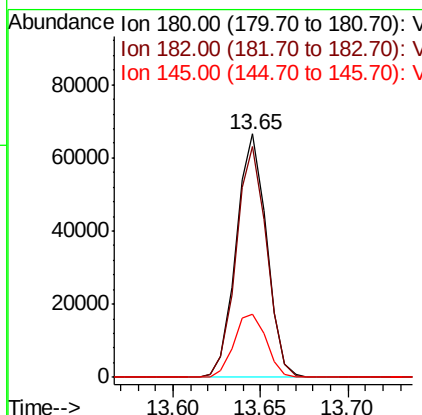
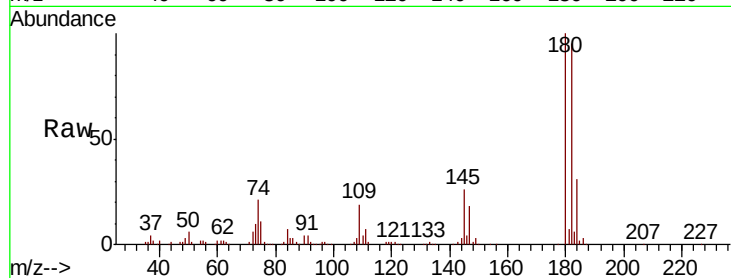
ClientSampleId :

VSTDCCC020EC

Tgt Ion:	180	Resp:	80324
Ion Ratio	Lower	Upper	
180	100		
182	95.4	75.6	113.4
145	27.6	23.0	34.6

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#90

Hexachlorobutadiene

Concen: 19.014 ug/l

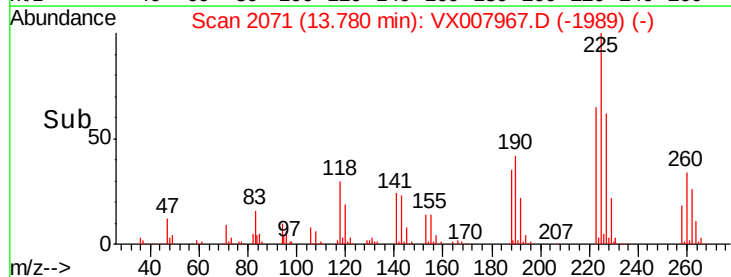
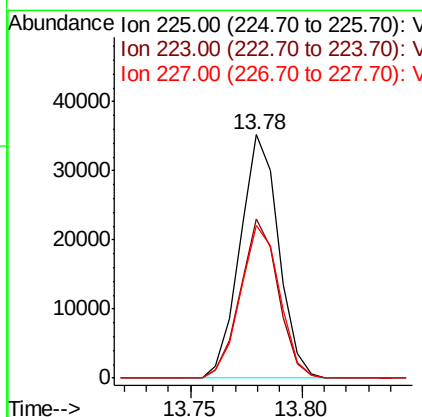
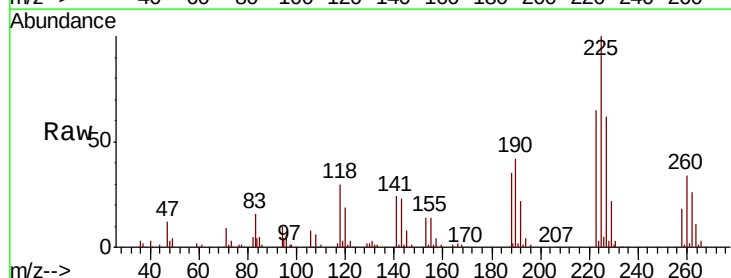
RT: 13.78 min Scan# 2071

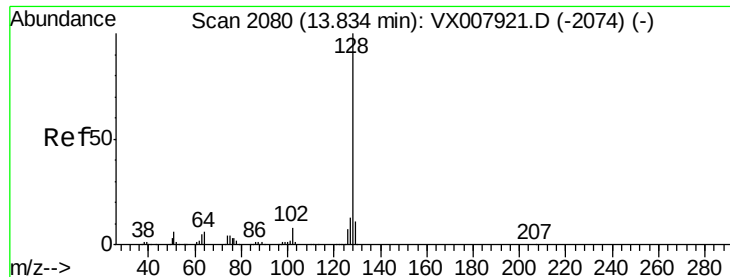
Delta R.T. 0.00 min

Lab File: VX007967.D

Acq: 11 Mar 2019 13:30

Tgt Ion:	225	Resp:	42615
Ion Ratio	Lower	Upper	
225	100		
223	64.0	0.0	123.8
227	64.1	0.0	124.4





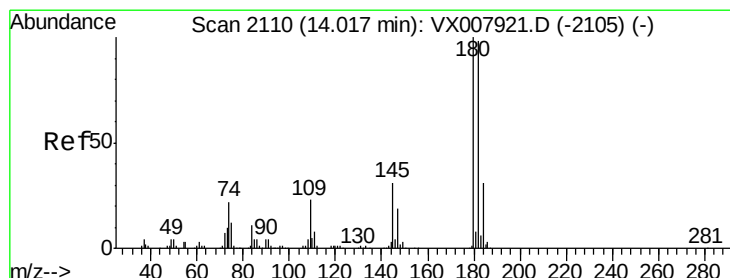
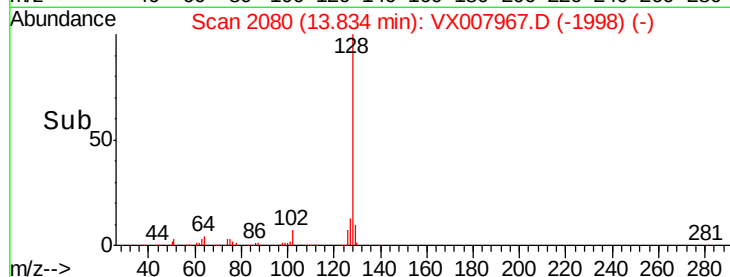
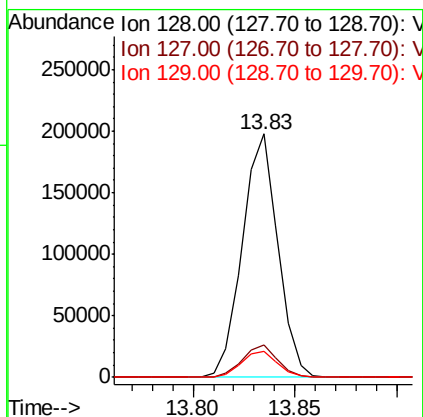
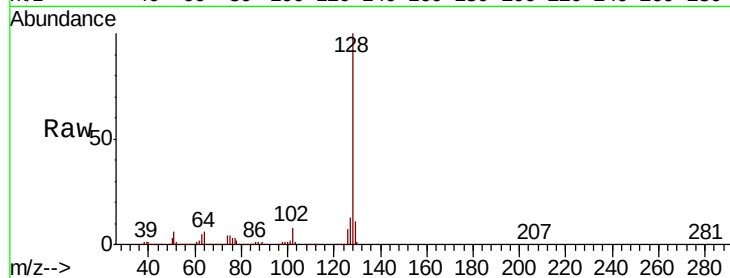
#91
Naphthalene
Concen: 20.535 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX007967.D
Acq: 11 Mar 2019 13:30

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC020EC

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	239209		
127	13.0		10.5	15.7
129	10.9		8.9	13.3

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#92
1,2,3-Trichlorobenzene
Concen: 20.093 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX007967.D
Acq: 11 Mar 2019 13:30

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	81161		
182	95.9		0.0	193.0
145	29.7		0.0	63.0

