

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072419\
 Data File : VX011062.D
 Acq On : 24 Jul 2019 17:35
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 7/25/2019 3:55:12 PM

Quant Time: Jul 25 03:47:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X071919W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 19 03:27:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	36780	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	204093	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	182865	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	73405	29.44	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.13%
60) 4-Bromofluorobenzene	11.13	95	90680	30.13	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.43%
63) Toluene-d8	8.71	98	243966	30.35	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.17%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	49933	20.535	ug/l 96
3) Chloromethane	1.33	50	39913	18.666	ug/l 95
4) Vinyl Chloride	1.41	62	41073	18.420	ug/l 100
5) Bromomethane	1.64	94	27944	22.766	ug/l 100
6) Chloroethane	1.73	64	26150	19.822	ug/l 98
7) Trichlorofluoromethane	1.93	101	74110	20.012	ug/l 94
8) Diethyl Ether	2.19	74	24735	20.339	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	43137	21.075	ug/l 98
10) 1,1-Dichloroethene	2.37	96	39305	19.108	ug/l 97
11) Methyl Iodide	2.51	142	48367	17.510	ug/l 97
12) Methyl Acetate	2.78	43	58329	20.190	ug/l 100
13) Acrolein	2.29	56	28494	82.259	ug/l 97
14) Acrylonitrile	3.14	53	114256	101.048	ug/l 100
15) Acetone	2.44	58	36228	115.061	ug/l 99
16) Carbon Disulfide	2.57	76	83260	15.753	ug/l 98
17) Allyl chloride	2.73	41	56492	18.971	ug/l 95
18) Methylene Chloride	2.86	84	45361	19.805	ug/l 96
19) trans-1,2-Dichloroethene	3.17	96	41580	19.135	ug/l 98
20) Diisopropyl ether	3.85	45	126808	20.171	ug/l 97
21) 1,1-Dichloroethane	3.70	63	71945	19.887	ug/l 99
22) cis-1,2-Dichloroethene	4.60	96	49038	19.622	ug/l 96
23) tert-Butyl Alcohol	3.04	59	52060	88.184	ug/l 100
24) Methyl tert-Butyl Ether	3.20	73	133496	20.217	ug/l 100
25) Chloroform	5.21	83	78282	19.756	ug/l 97
26) Cyclohexane	5.59	56	61879	18.692	ug/l # 98
29) 1,1-Dichloropropene	5.80	75	54538	19.002	ug/l 99
30) 2-Butanone	4.67	43	157417	101.606	ug/l 99
31) 2,2-Dichloropropane	4.58	77	58977	23.540	ug/l 97
32) 1,1,1-Trichloroethane	5.49	97	67392	19.471	ug/l 98
33) Carbon Tetrachloride	5.78	117	57932	19.251	ug/l 97
34) Benzene	6.14	78	170079	19.755	ug/l 97
35) Methacrylonitrile	5.04	41	32538	20.174	ug/l 96
36) 1,2-Dichloroethane	6.20	62	61637	20.022	ug/l 99
37) Trichloroethene	7.21	130	49177	19.510	ug/l 98
38) Methylcyclohexane	7.46	83	68184	18.823	ug/l 99
39) 1,2-Dichloropropane	7.51	63	41910	19.475	ug/l 99
40) Dibromomethane	7.66	93	31729	20.047	ug/l 98

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X071919W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 19 03:27:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	55934	19.415	ug/l	99
42) Vinyl Acetate	3.81	43	509209	99.759	ug/l	100
43) Ethyl Acetate	4.83	43	56689	19.062	ug/l	99
44) Isopropyl Acetate	6.44	43	93906	19.386	ug/l	100
45) 1,4-Dioxane	7.74	88	25256	400.589	ug/l	98
46) Methyl methacrylate	7.77	41	46454	19.758	ug/l	95
47) n-amyl Acetate	10.90	43	84769	19.512	ug/l	100
48) t-1,3-Dichloropropene	9.04	75	58821	19.373	ug/l	100
49) cis-1,3-Dichloropropene	8.43	75	66556	20.087	ug/l	98
50) 1,1,2-Trichloroethane	9.21	97	47774	20.624	ug/l	99
51) Ethyl methacrylate	9.18	69	68935	19.242	ug/l	95
52) 1,3-Dichloropropane	9.37	76	74724	20.074	ug/l	98
53) Dibromochloromethane	9.58	129	47124	18.837	ug/l	98
54) 1,2-Dibromoethane	9.67	107	49782	19.775	ug/l	98
55) 2-Chloroethyl vinyl ether	8.31	63	149656	98.645	ug/l	99
56) Bromoform	10.85	173	34124	18.315	ug/l	99
58) 4-Methyl-2-Pentanone	8.64	43	311495	100.864	ug/l	100
59) 2-Hexanone	9.49	43	242914	102.791	ug/l	99
61) Tetrachloroethene	9.34	164	50676	20.989	ug/l	96
62) Toluene	8.78	91	196129	20.189	ug/l	99
64) Chlorobenzene	10.14	112	126950	20.397	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.22	131	45476	20.104	ug/l	98
66) Ethyl Benzene	10.25	91	218672	19.995	ug/l	98
67) m/p-Xylenes	10.36	106	168702	40.320	ug/l	98
68) o-Xylene	10.69	106	81609	19.906	ug/l	98
69) Styrene	10.71	104	138646	20.119	ug/l	100
70) Isopropylbenzene	11.02	105	223492	20.471	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.27	83	72839	20.692	ug/l	99
72) 1,2,3-Trichloropropane	11.29	75	61013m	20.765	ug/l	
73) Bromobenzene	11.25	156	60024	20.378	ug/l	100
74) n-propylbenzene	11.36	91	251402	20.461	ug/l	100
75) 2-Chlorotoluene	11.42	91	148999	20.361	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	186108	20.140	ug/l	98
77) t-1,4-Dichloro-2-butene	11.07	75	19510	20.125	ug/l	95
78) 4-Chlorotoluene	11.51	91	171558	20.413	ug/l	100
79) tert-butylbenzene	11.77	119	184111	20.541	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	187817	20.183	ug/l	99
81) sec-Butylbenzene	11.94	105	221350	20.950	ug/l	100
82) p-Isopropyltoluene	12.06	119	201839	20.587	ug/l	100
83) 1,3-Dichlorobenzene	12.02	146	104737	20.142	ug/l	98
84) 1,4-Dichlorobenzene	12.10	146	105133	20.342	ug/l	100
85) n-Butylbenzene	12.38	91	169162	20.262	ug/l	99
86) Hexachloroethane	12.60	117	29455	19.049	ug/l	98
87) 1,2-Dichlorobenzene	12.39	146	106901	20.998	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.00	75	15016	19.376	ug/l	98
89) 1,2,4-Trichlorobenzene	13.65	180	71263	20.294	ug/l	99
90) Hexachlorobutadiene	13.78	225	36131	21.281	ug/l	98
91) Naphthalene	13.83	128	219652	20.500	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	74371	21.130	ug/l	99

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VSTDCCC020EC

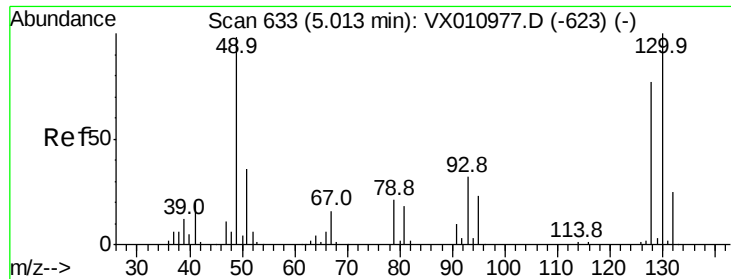
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 634

Delta R.T. 0.01 min

Lab File: VX011062.D

Acq: 24 Jul 2019 17:35

Instrument :

MSVOA_X

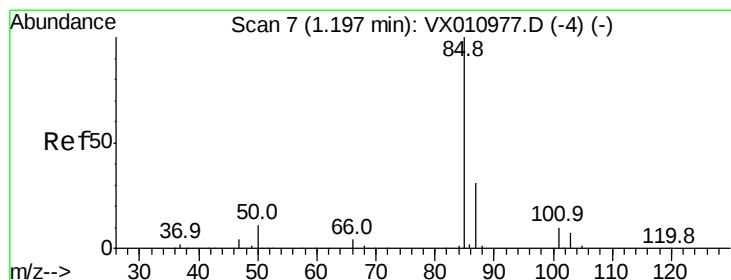
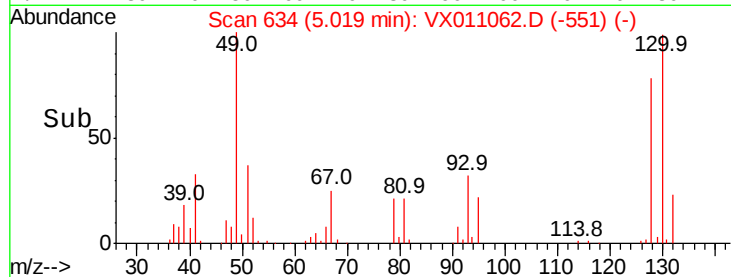
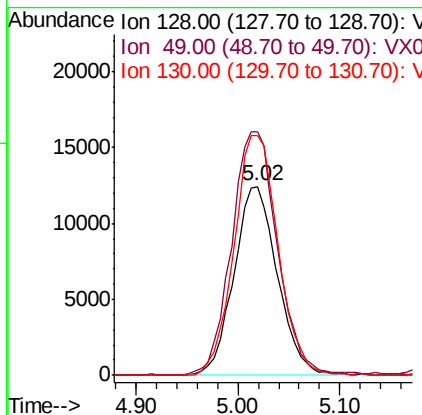
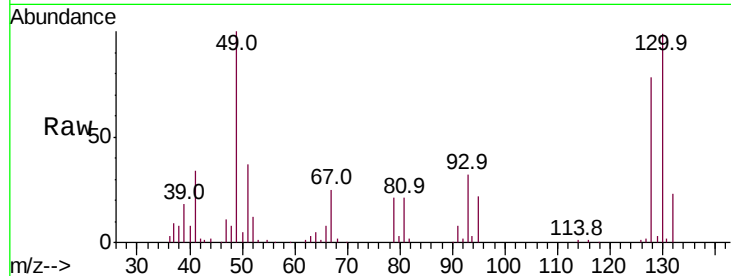
ClientSampleId :

VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
128	100		
49	135.9	0.0	343.5
130	128.6	0.0	324.7

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#2

Dichlorodifluoromethane

Concen: 20.535 ug/l

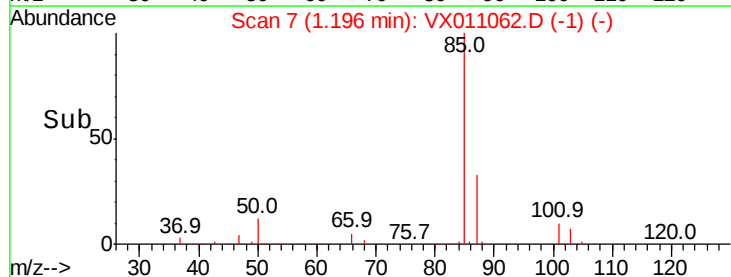
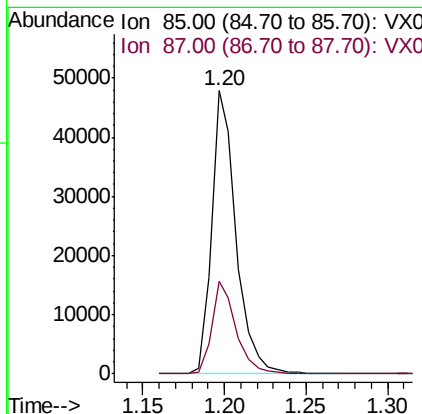
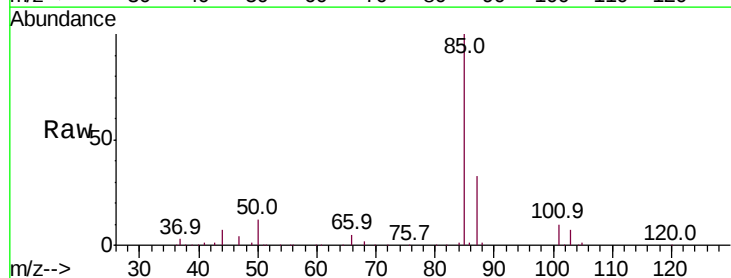
RT: 1.20 min Scan# 7

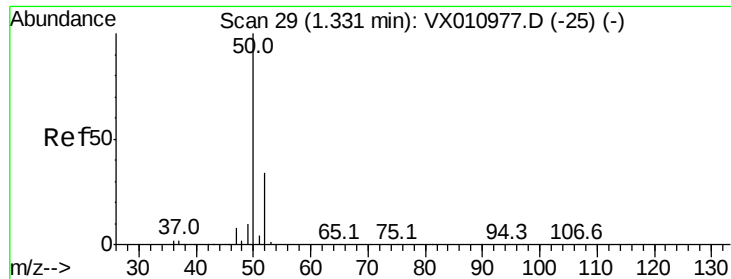
Delta R.T. -0.00 min

Lab File: VX011062.D

Acq: 24 Jul 2019 17:35

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.9	15.4	46.1





#3

Chloromethane

Concen: 18.666 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX011062.D

Acq: 24 Jul 2019 17:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 50 Resp: 39913

Ion Ratio Lower Upper

50 100

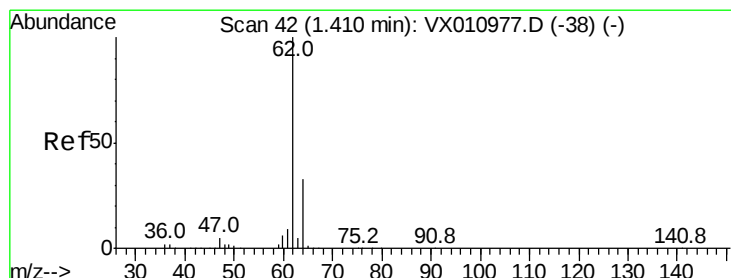
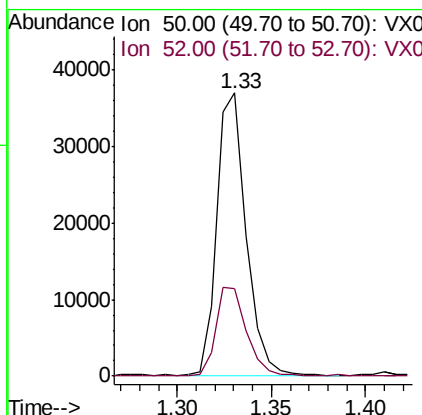
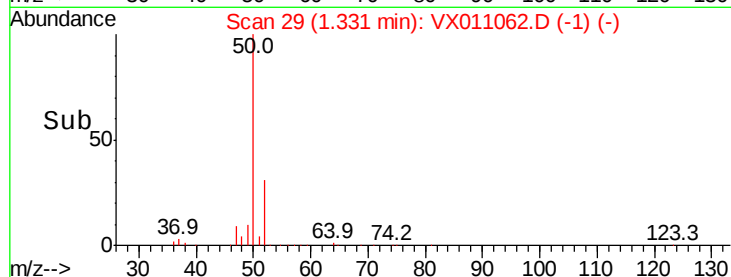
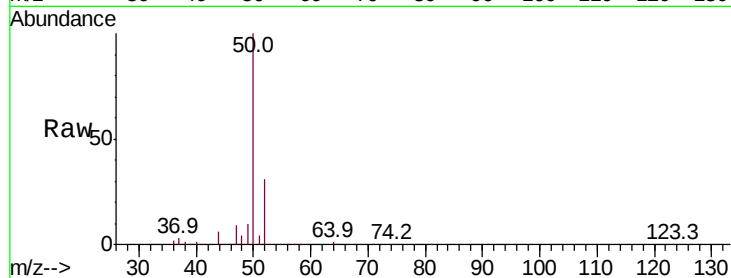
52 31.0 27.3 40.9

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#4

Vinyl Chloride

Concen: 18.420 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX011062.D

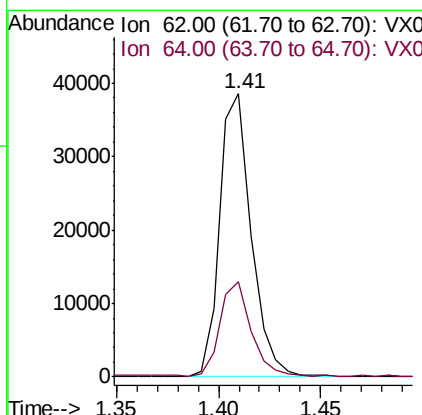
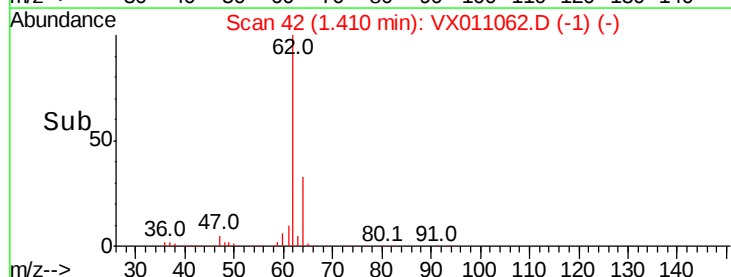
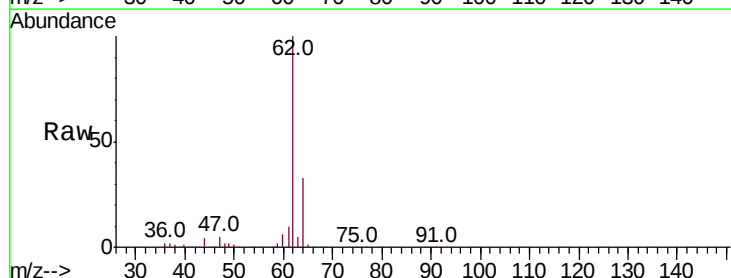
Acq: 24 Jul 2019 17:35

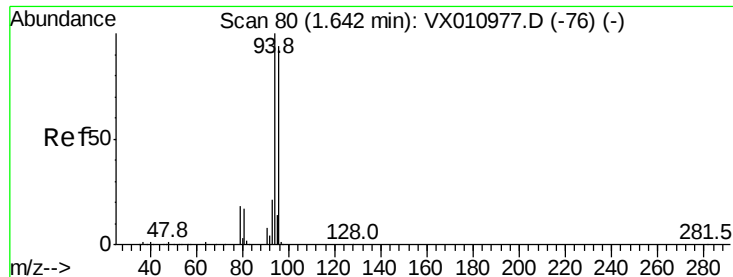
Tgt Ion: 62 Resp: 41073

Ion Ratio Lower Upper

62 100

64 33.2 26.8 40.2





#5

Bromomethane

Concen: 22.766 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX011062.D

Acq: 24 Jul 2019 17:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 94 Resp: 27944

Ion Ratio Lower Upper

94 100

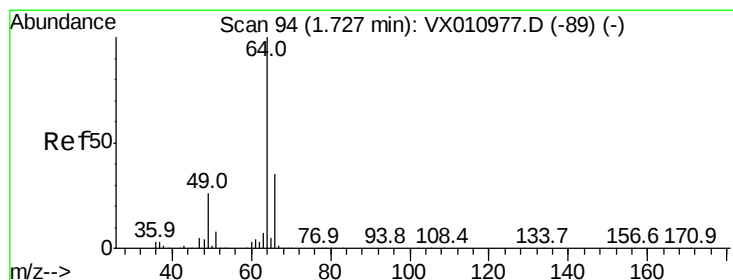
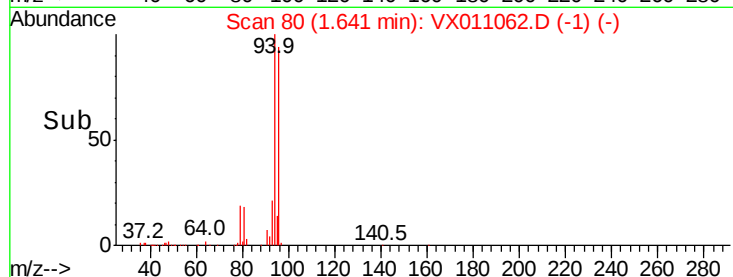
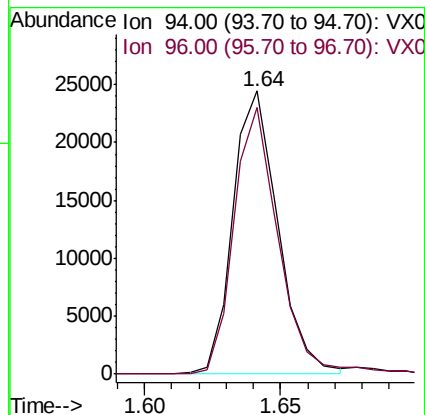
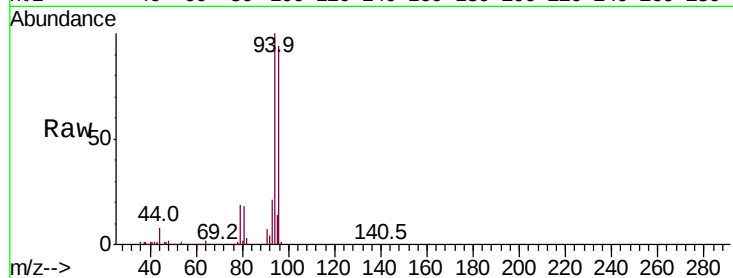
96 94.4 75.4 113.2

Manual Integrations

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#6

Chloroethane

Concen: 19.822 ug/l

RT: 1.73 min Scan# 94

Delta R.T. -0.00 min

Lab File: VX011062.D

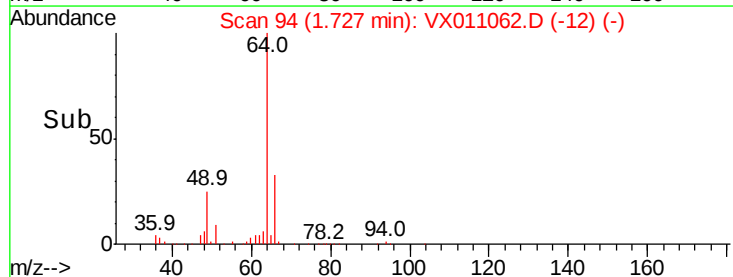
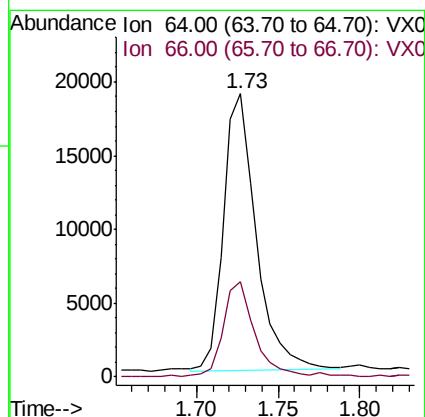
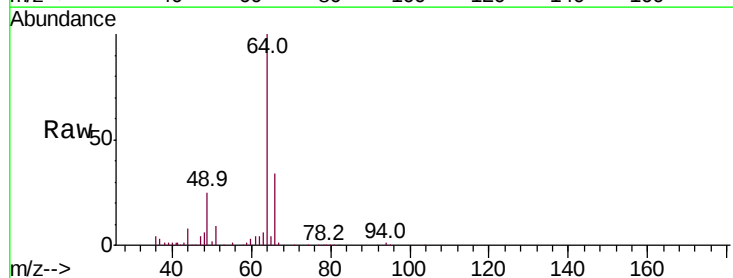
Acq: 24 Jul 2019 17:35

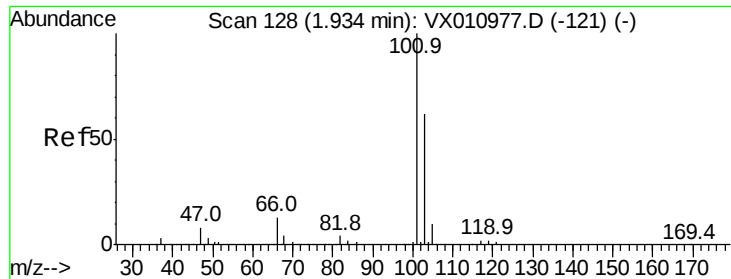
Tgt Ion: 64 Resp: 26150

Ion Ratio Lower Upper

64 100

66 33.9 28.1 42.1





#7

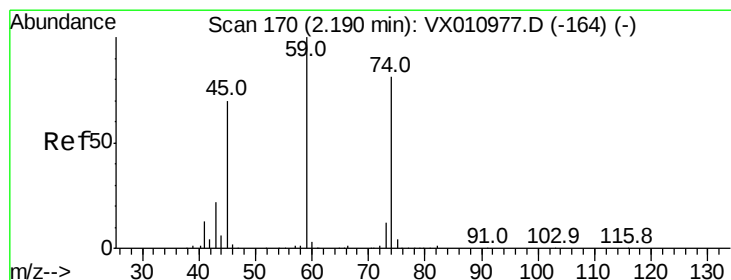
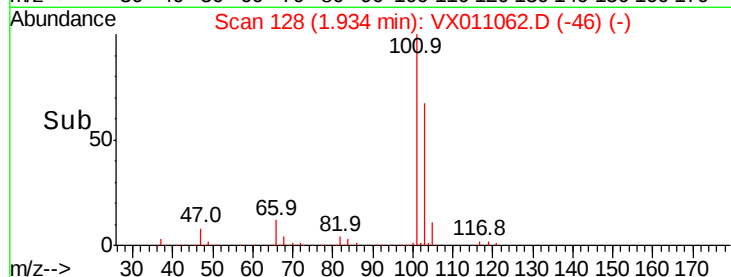
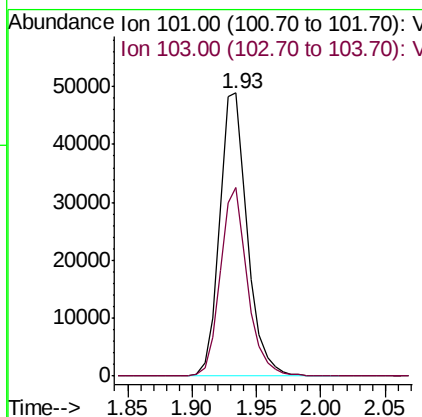
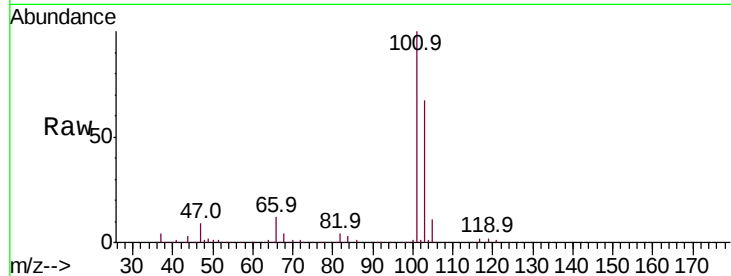
Trichlorofluoromethane
 Concen: 20.012 ug/l
 RT: 1.93 min Scan# 128
 Delta R.T. -0.00 min
 Lab File: VX011062.D
 Acq: 24 Jul 2019 17:35

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 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.7	49.6	74.4

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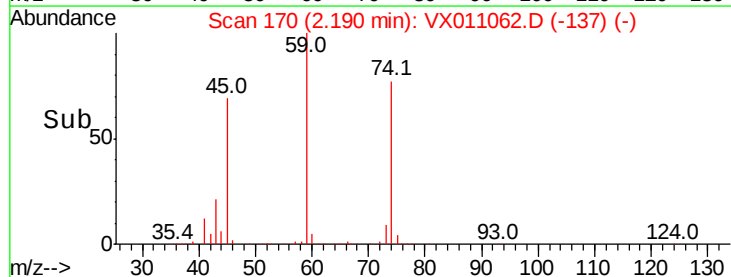
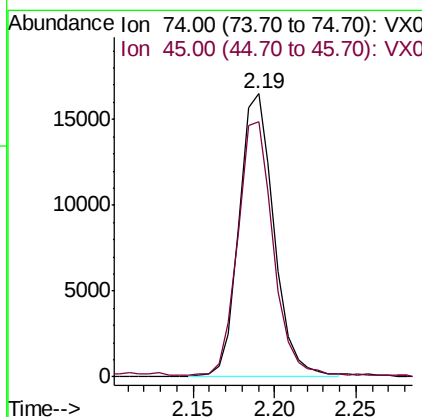
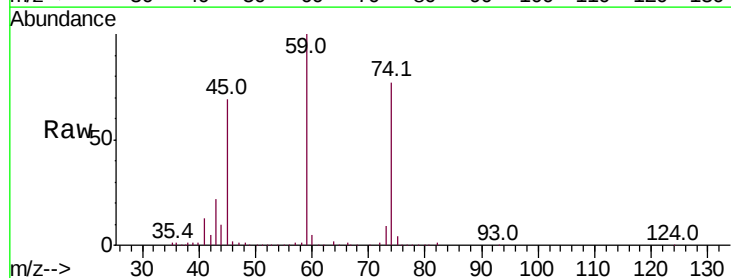
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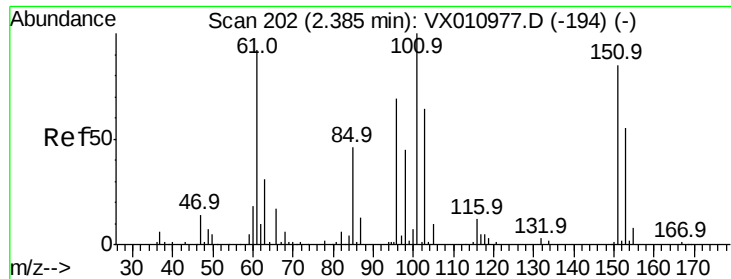


#8

Diethyl Ether
 Concen: 20.339 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX011062.D
 Acq: 24 Jul 2019 17:35

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.3	18.3	164.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.075 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX011062.D

Acq: 24 Jul 2019 17:35

Instrument :

MSVOA_X

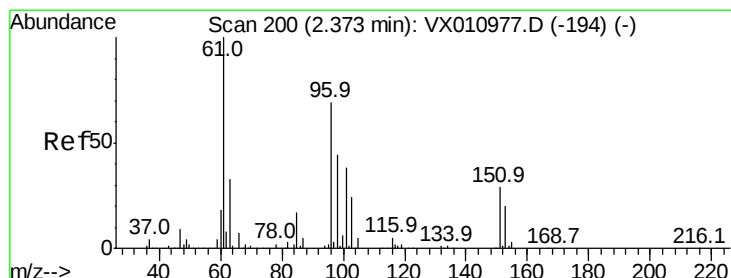
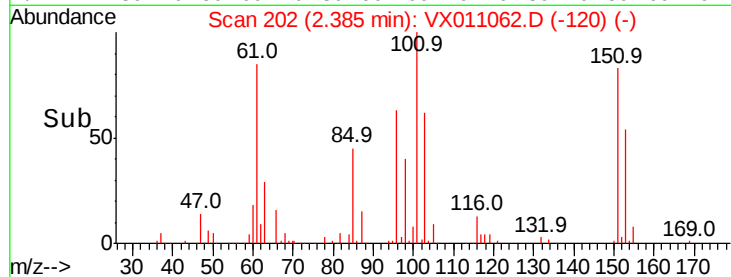
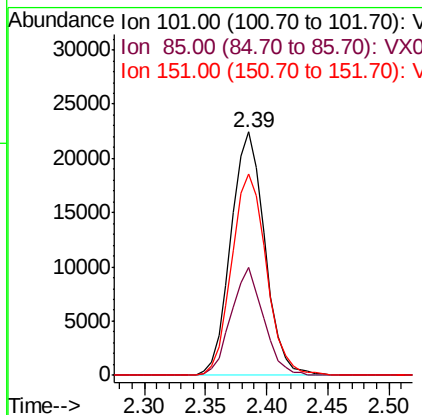
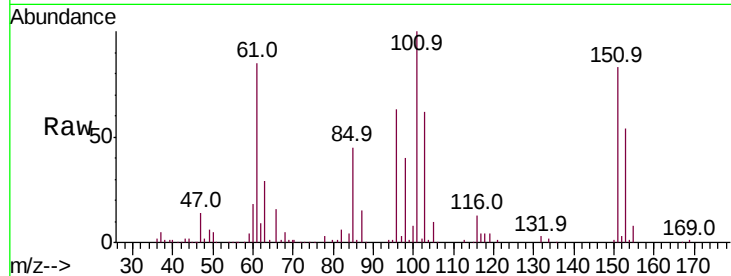
ClientSampleId :

VSTDCCC020EC

Tot Ion:	101	Resp:	43137
Ion Ratio	Lower	Upper	
101	100		
85	42.3	0.0	89.8
151	84.5	0.0	172.2

Manual Integrations
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7/25/2019 3:55:12 PM



#10

1,1-Dichloroethene

Concen: 19.108 ug/l

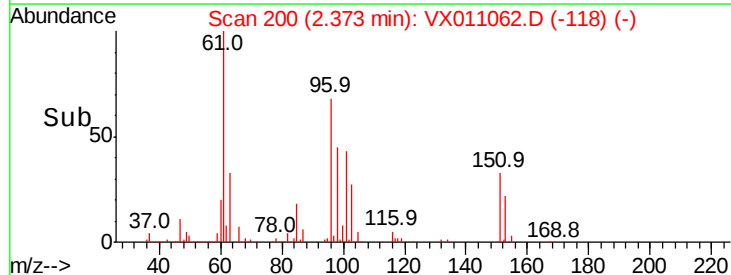
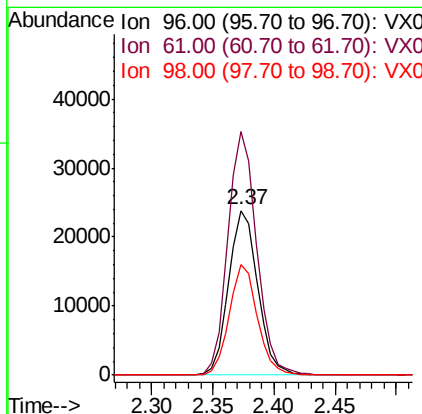
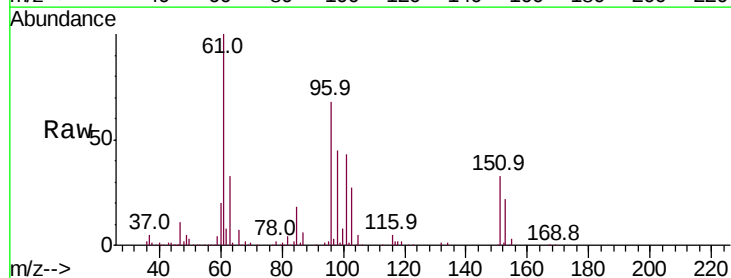
RT: 2.37 min Scan# 200

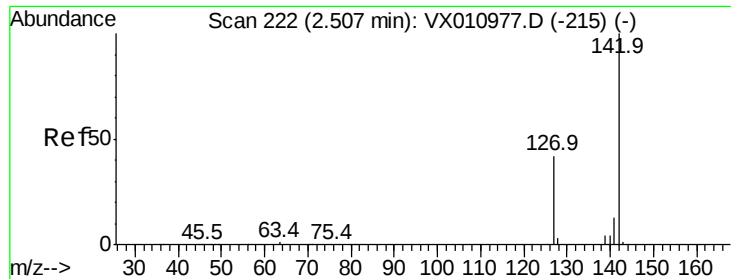
Delta R.T. -0.00 min

Lab File: VX011062.D

Acq: 24 Jul 2019 17:35

Tgt Ion:	96	Resp:	39305
Ion Ratio	Lower	Upper	
96	100		
61	148.0	115.9	173.9
98	67.0	50.6	75.8





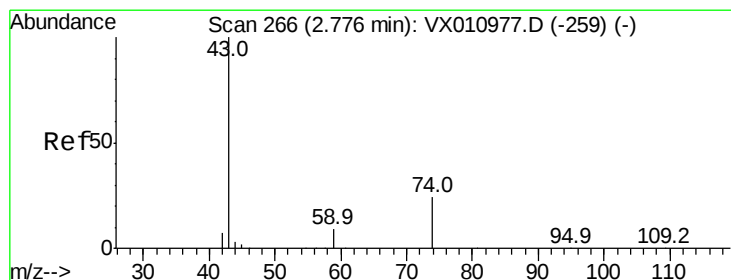
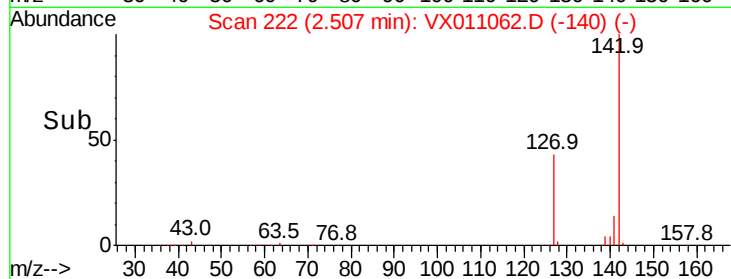
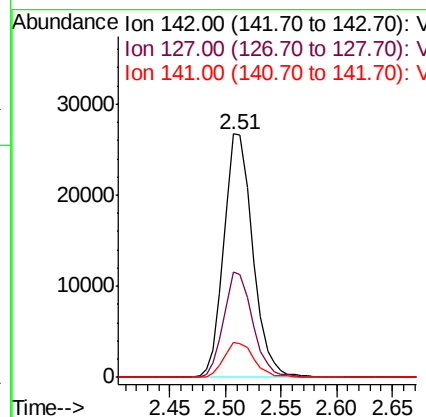
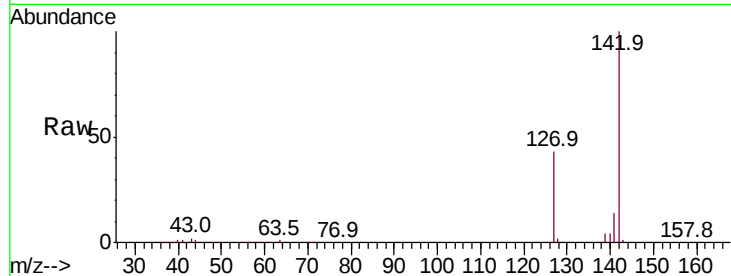
#11
Methvl Iodide
Concen: 17.510 ug/l
RT: 2.51 min Scan# 222
Delta R.T. -0.00 min
Lab File: VX011062.D
Acq: 24 Jul 2019 17:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
142	100		
127	43.2	20.7	62.1
141	14.2	6.7	20.0

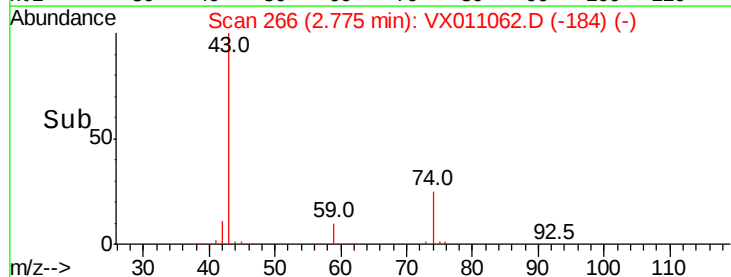
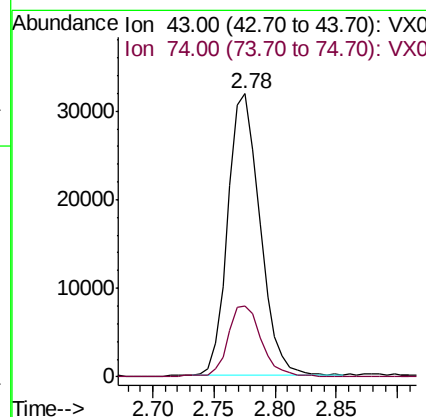
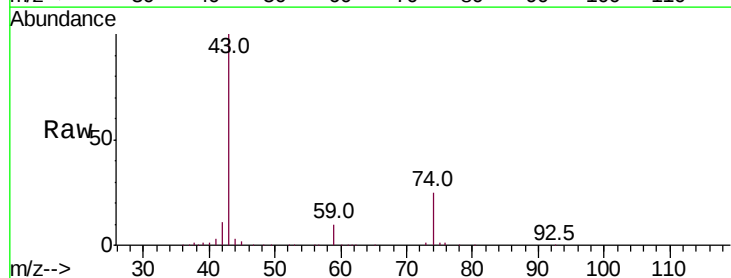
Manual Integrations
APPROVED

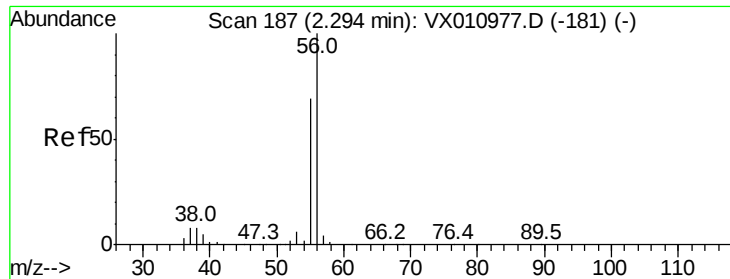
MMDadoda
7/25/2019 3:55:12 PM



#12
Methyl Acetate
Concen: 20.190 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX011062.D
Acq: 24 Jul 2019 17:35

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.8	19.8	29.6





#13

Acrolein

Concen: 82.259 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX011062.D

Acq: 24 Jul 2019 17:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 56 Resp: 28494

Ion Ratio Lower Upper

56 100

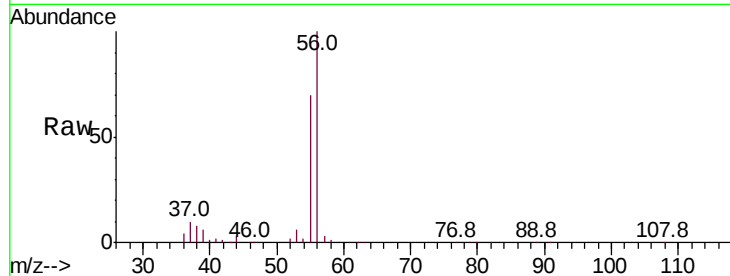
55 72.4 56.1 84.1

Manual Integrations

APPROVED

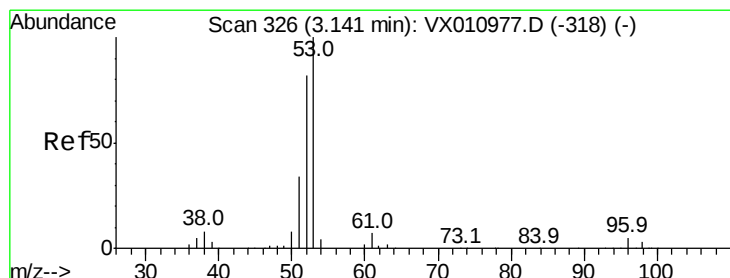
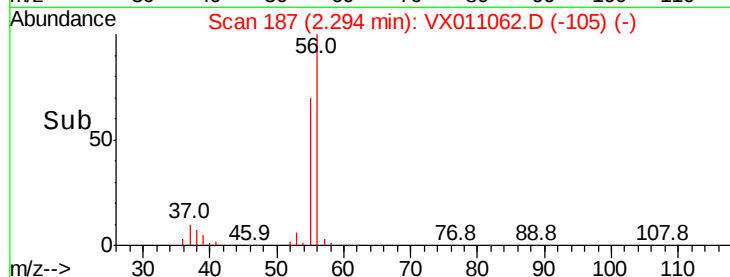
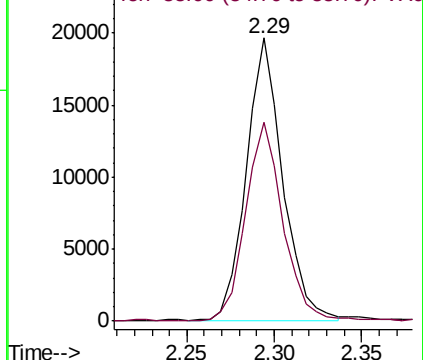
MMDadoda

7/25/2019 3:55:12 PM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Acrylonitrile

Concen: 101.048 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX011062.D

Acq: 24 Jul 2019 17:35

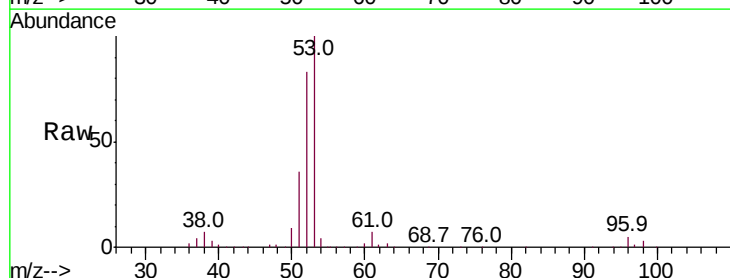
Tgt Ion: 53 Resp: 114256

Ion Ratio Lower Upper

53 100

52 82.3 41.1 123.4

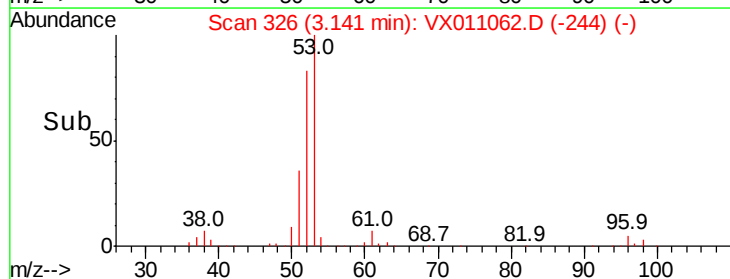
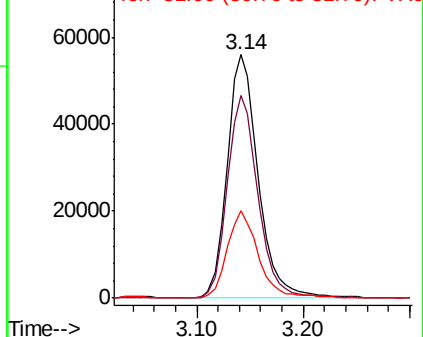
51 36.2 17.8 53.3

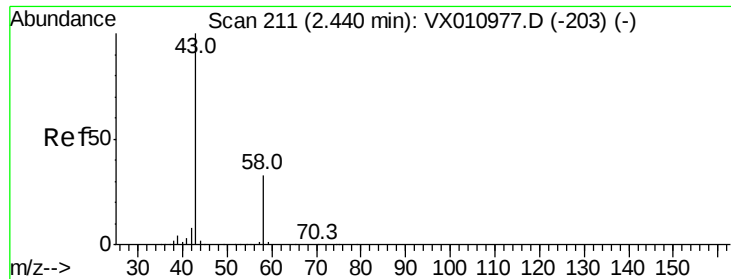


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#15

Acetone

Concen: 115.061 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX011062.D

Acq: 24 Jul 2019 17:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 58 Resp: 36228

Ion Ratio Lower Upper

58 100

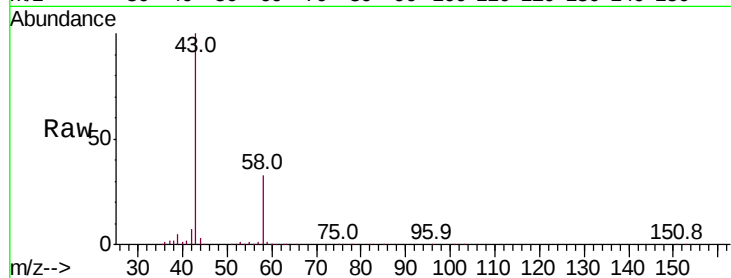
43 305.8 243.8 365.6

Manual Integrations

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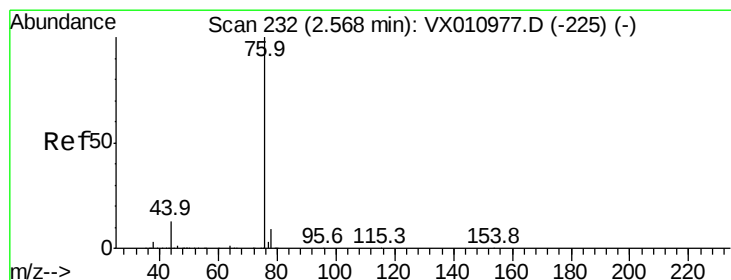
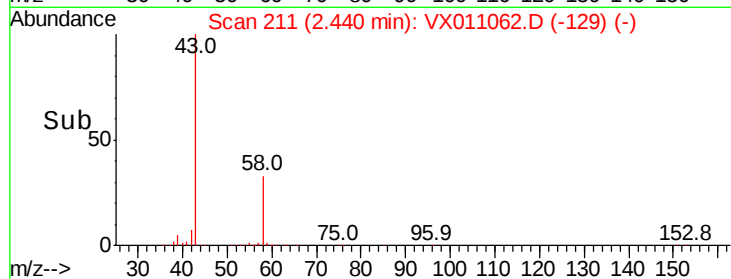
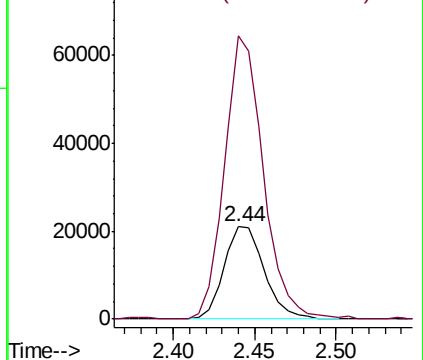
MMDadoda

7/25/2019 3:55:12 PM



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 15.753 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX011062.D

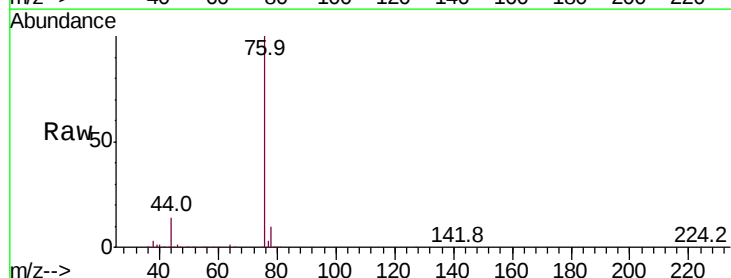
Acq: 24 Jul 2019 17:35

Tgt Ion: 76 Resp: 83260

Ion Ratio Lower Upper

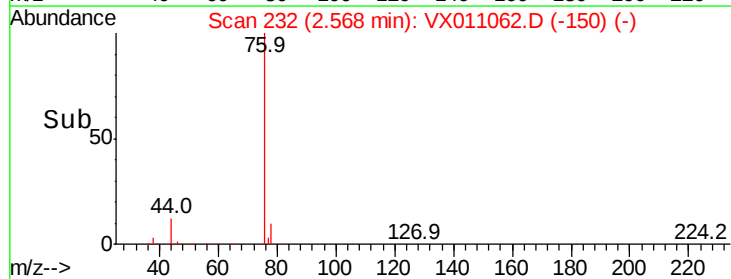
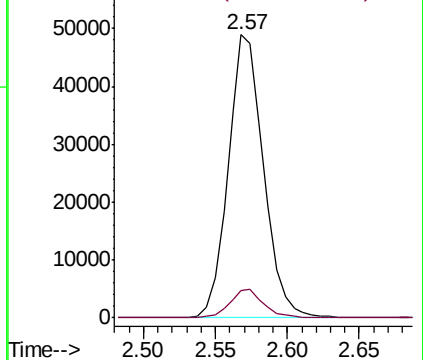
76 100

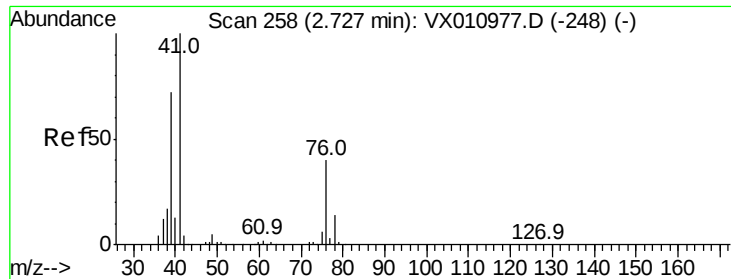
78 9.8 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





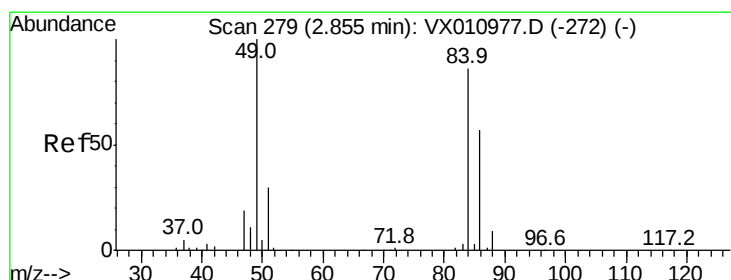
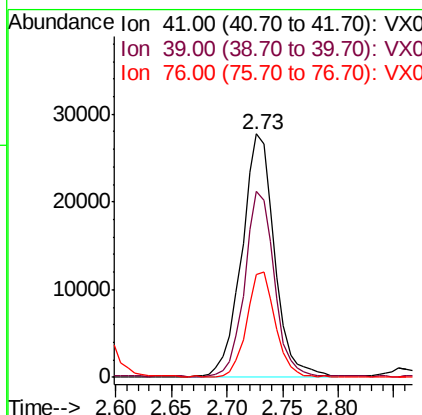
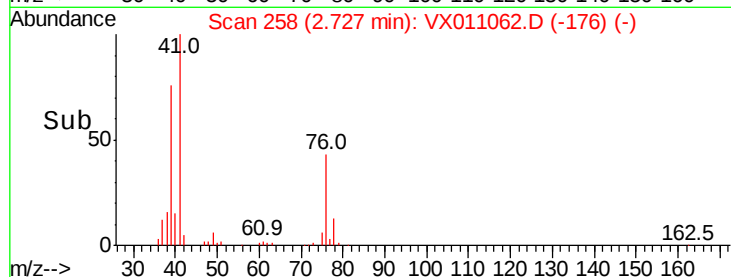
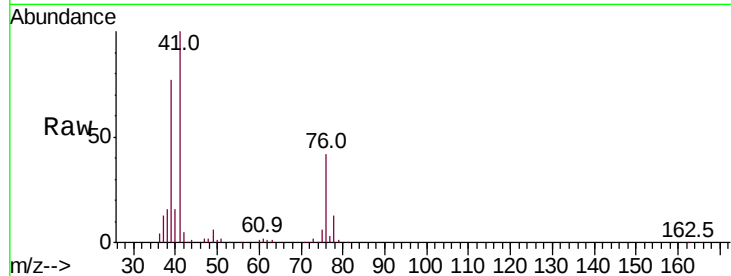
#17
Allvl chloride
Concen: 18.971 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX011062.D
Acq: 24 Jul 2019 17:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	76.7	36.1	108.3
76	42.2	20.2	60.5

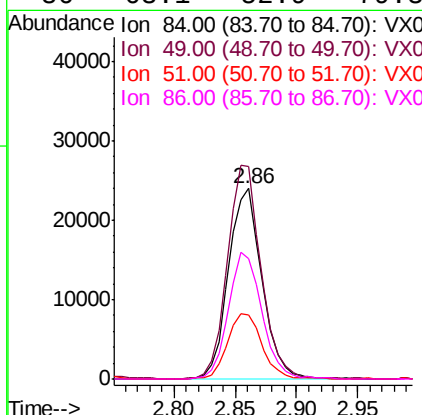
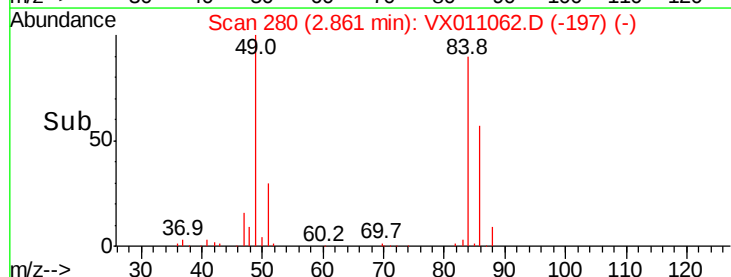
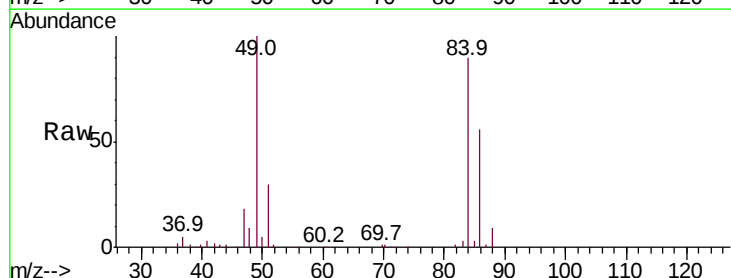
Manual Integrations
APPROVED

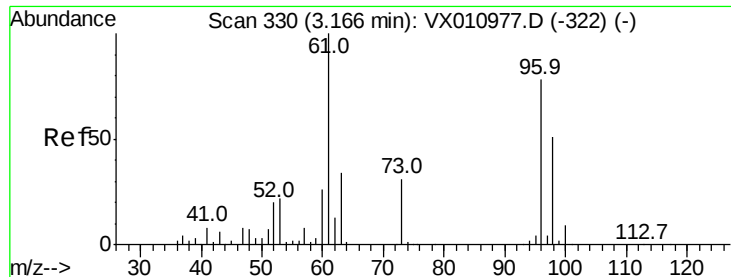
MMDadoda
7/25/2019 3:55:12 PM



#18
Methylene Chloride
Concen: 19.805 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX011062.D
Acq: 24 Jul 2019 17:35

Tgt Ion	Ratio	Lower	Upper
84	100		
49	111.3	93.2	139.8
51	33.5	28.6	42.8
86	63.1	52.9	79.3





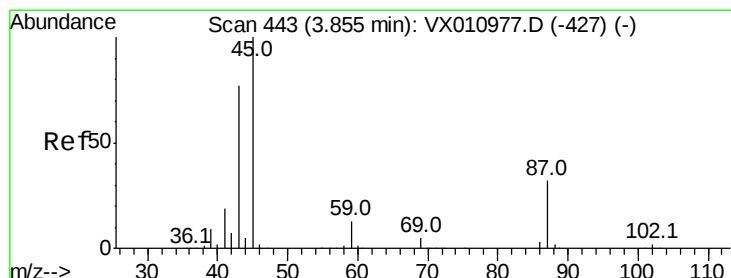
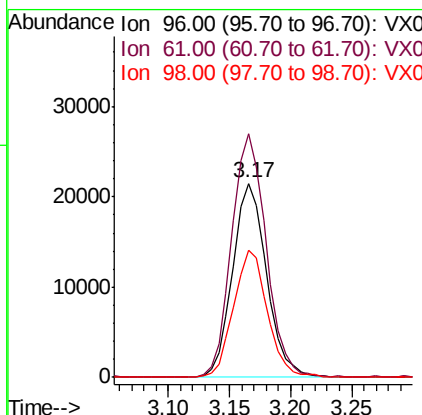
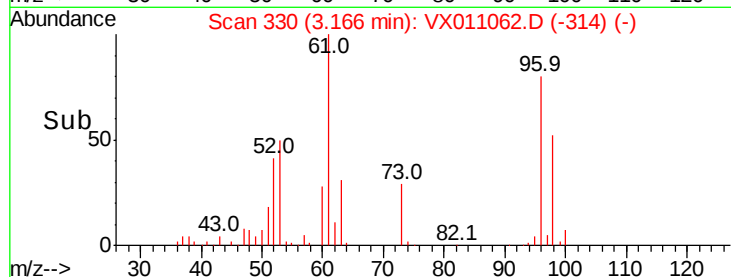
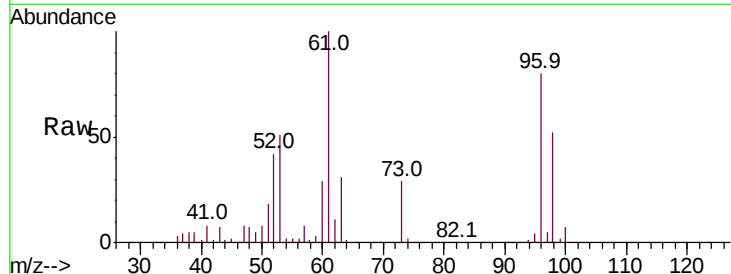
#19
trans-1,2-Dichloroethene
Concen: 19.135 ug/l
RT: 3.17 min Scan# 330
Delta R.T. -0.00 min
Lab File: VX011062.D
Acq: 24 Jul 2019 17:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	125.0	102.2	153.4
98	65.4	52.2	78.2

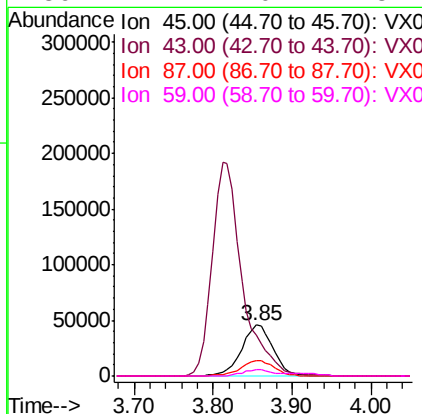
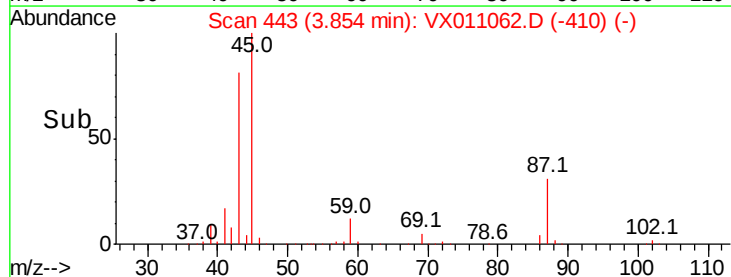
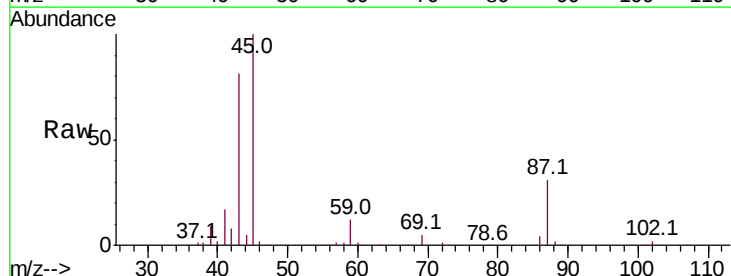
Manual Integrations
APPROVED

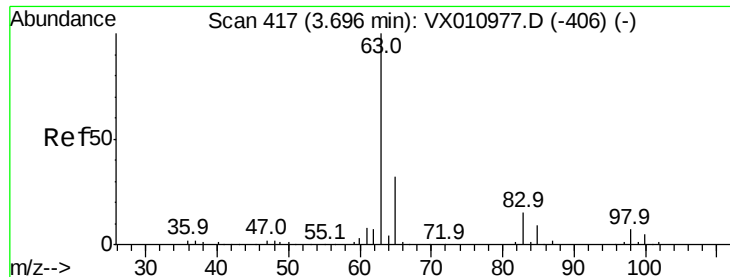
MMDadoda
7/25/2019 3:55:12 PM



#20
Diisopropyl ether
Concen: 20.171 ug/l
RT: 3.85 min Scan# 443
Delta R.T. -0.00 min
Lab File: VX011062.D
Acq: 24 Jul 2019 17:35

Tgt Ion	Ratio	Lower	Upper
45	100		
43	80.0	61.5	92.3
87	31.4	25.4	38.2
59	12.2	10.2	15.2





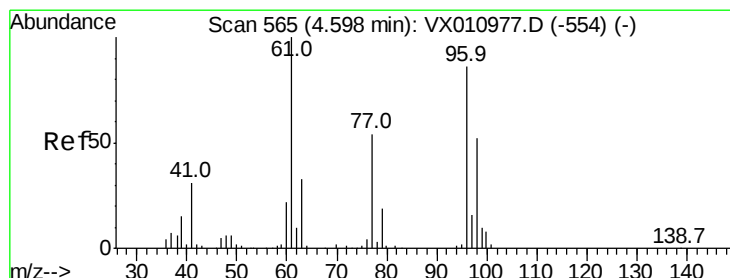
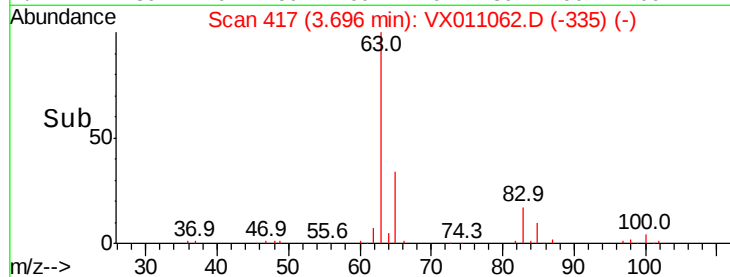
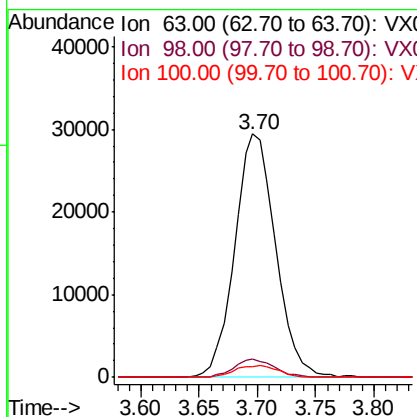
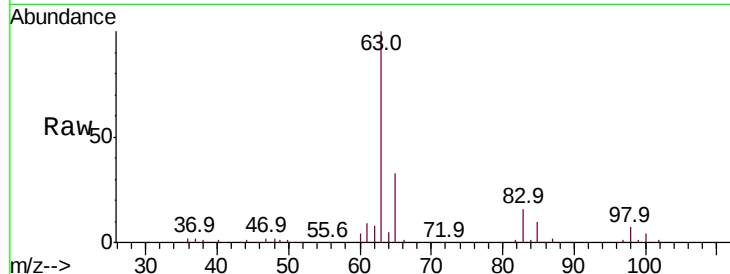
#21
 1,1-Dichloroethane
 Concen: 19.887 ug/l
 RT: 3.70 min Scan# 417
 Delta R.T. -0.00 min
 Lab File: VX011062.D
 Acq: 24 Jul 2019 17:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:	63	Resp:	71945
Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.8	11.2
100	4.3	2.5	7.4

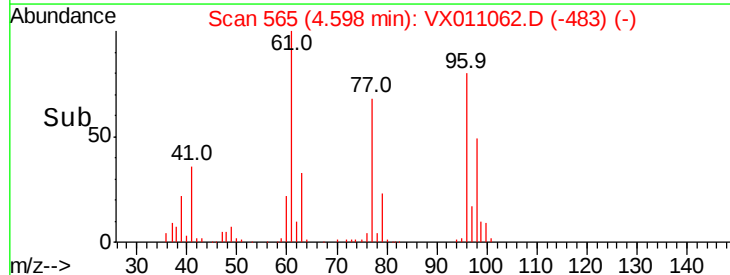
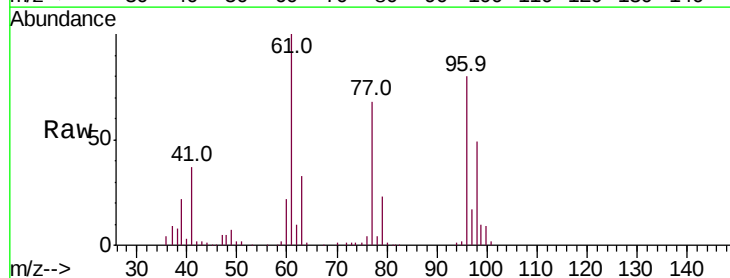
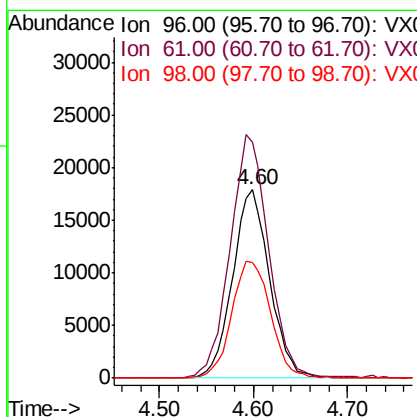
Manual Integrations
 APPROVED

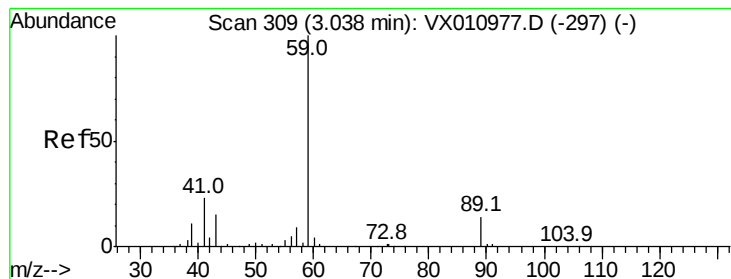
MMDadoda
 7/25/2019 3:55:12 PM



#22
 cis-1,2-Dichloroethene
 Concen: 19.622 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX011062.D
 Acq: 24 Jul 2019 17:35

Tgt Ion:	96	Resp:	49038
Ion	Ratio	Lower	Upper
96	100		
61	133.6	102.9	154.3
98	65.3	50.9	76.3





#23

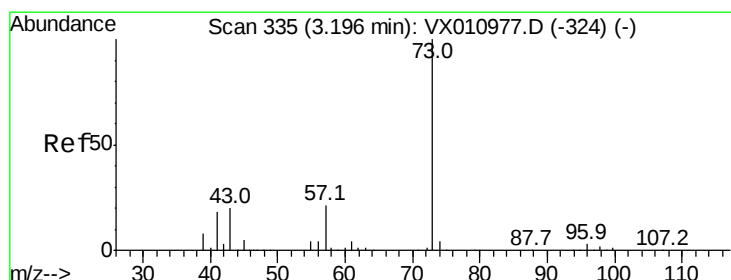
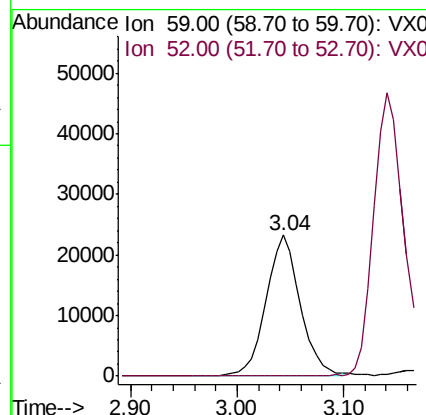
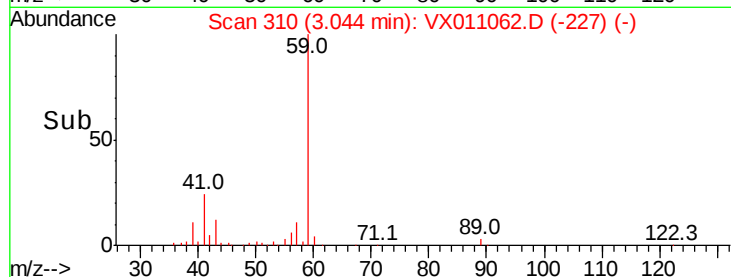
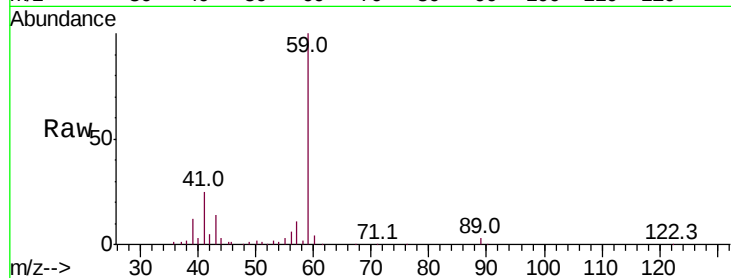
tert-Butyl Alcohol
 Concen: 88.184 ug/l
 RT: 3.04 min Scan# 310
 Delta R.T. 0.01 min
 Lab File: VX011062.D
 Acq: 24 Jul 2019 17:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 59 Resp: 52060
 Ion Ratio Lower Upper
 59 100
 52 0.3 0.2 0.4

Manual Integrations
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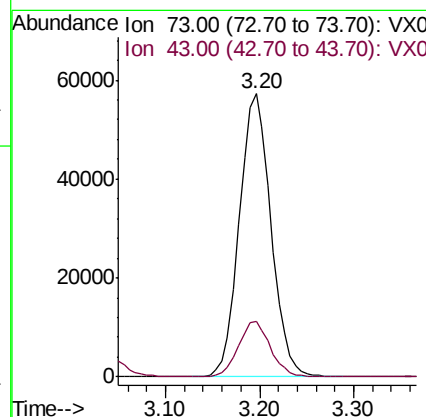
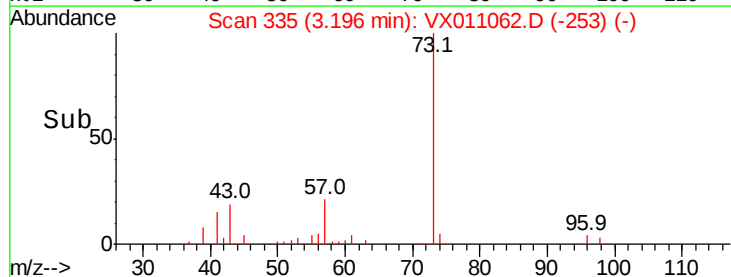
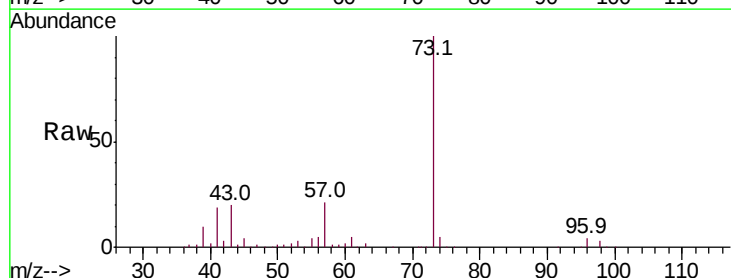
MMDadoda
 7/25/2019 3:55:12 PM

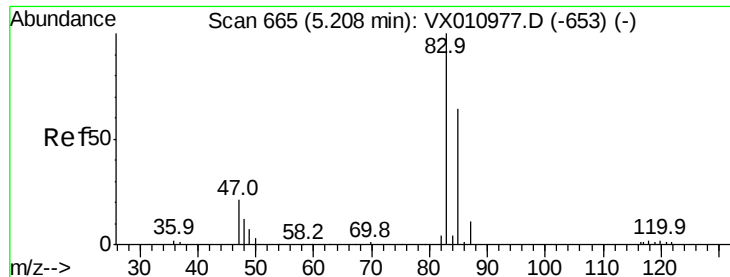


#24

Methyl tert-Butyl Ether
 Concen: 20.217 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. -0.00 min
 Lab File: VX011062.D
 Acq: 24 Jul 2019 17:35

Tgt Ion: 73 Resp: 133496
 Ion Ratio Lower Upper
 73 100
 43 19.6 15.8 23.6





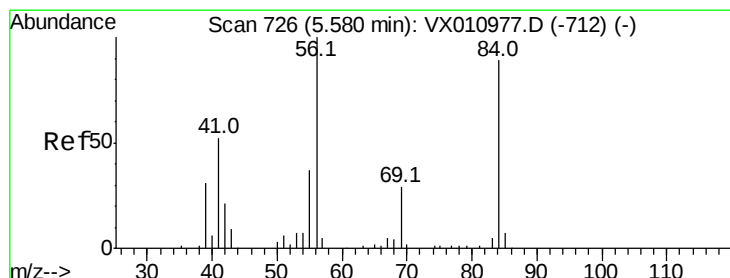
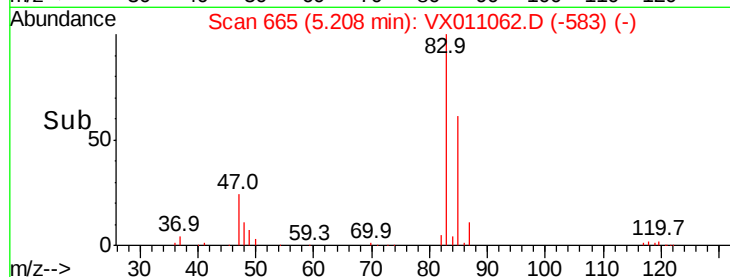
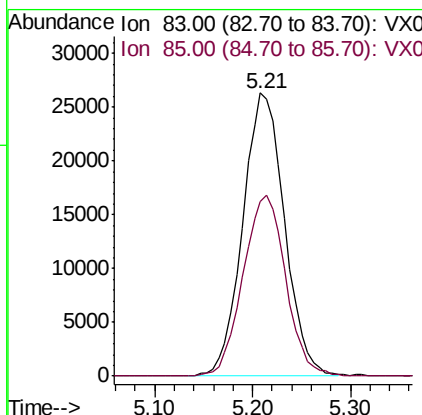
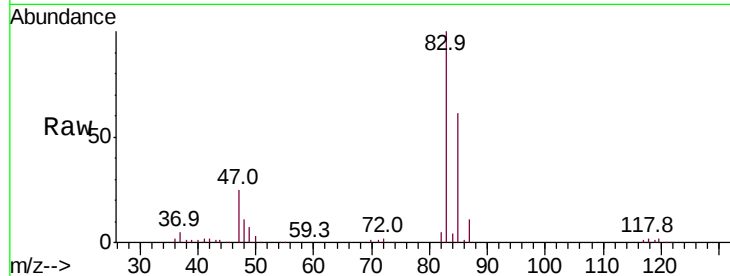
#25
Chloroform
Concen: 19.756 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.00 min
Lab File: VX011062.D
Acq: 24 Jul 2019 17:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion: 83 Resp: 78282
Ion Ratio Lower Upper
83 100
85 61.5 50.9 76.3

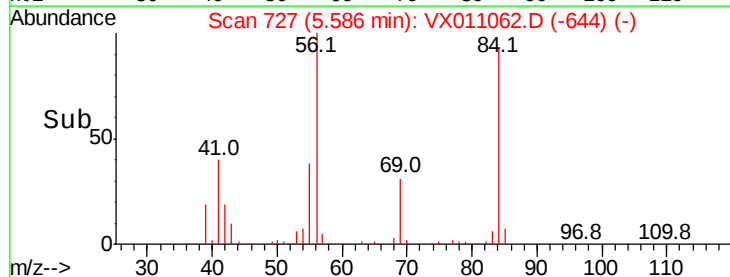
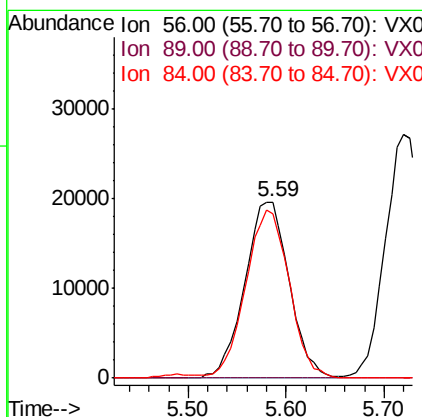
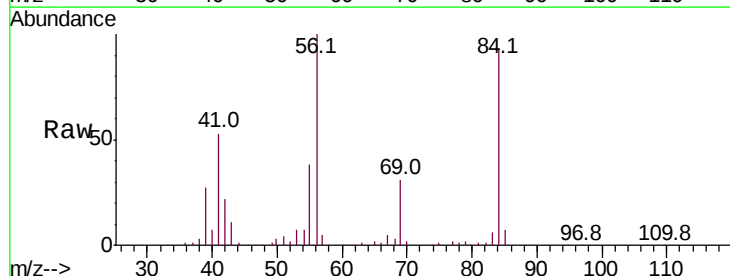
Manual Integrations
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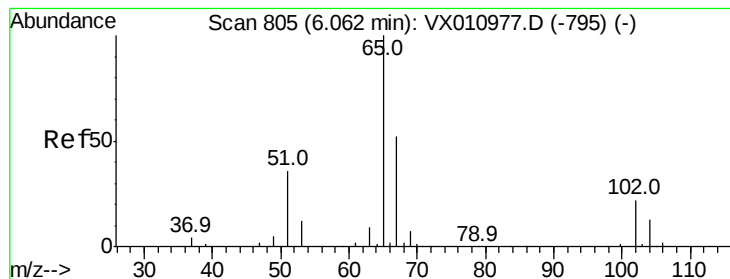
MMDadoda
7/25/2019 3:55:12 PM



#26
Cyclohexane
Concen: 18.692 ug/l
RT: 5.59 min Scan# 727
Delta R.T. 0.01 min
Lab File: VX011062.D
Acq: 24 Jul 2019 17:35

Tgt Ion: 56 Resp: 61879
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 93.5 73.0 109.4





#27

1,2-Dichloroethane-d4

Concen: 29.439 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX011062.D

Acq: 24 Jul 2019 17:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 65 Resp: 73405

Ion Ratio Lower Upper

65 100

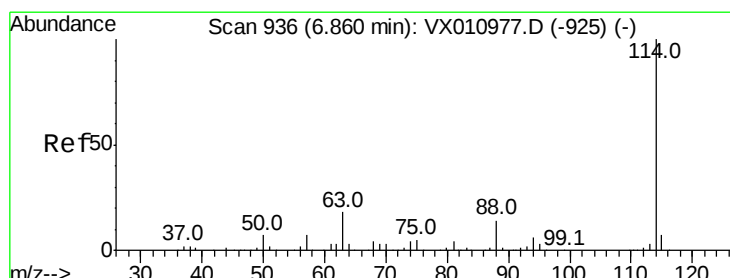
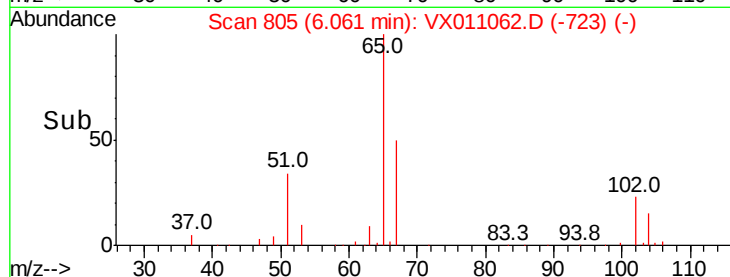
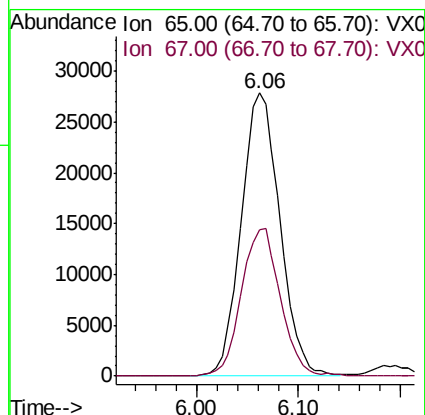
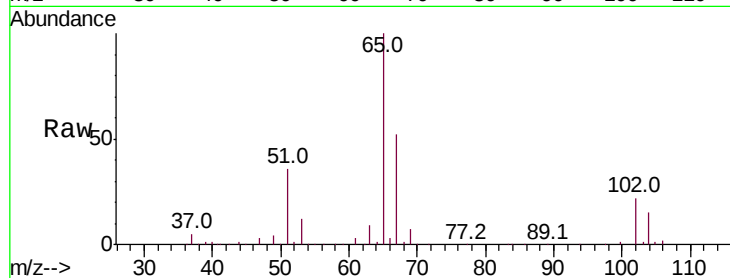
67 52.3 41.7 62.5

Manual Integrations

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#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX011062.D

Acq: 24 Jul 2019 17:35

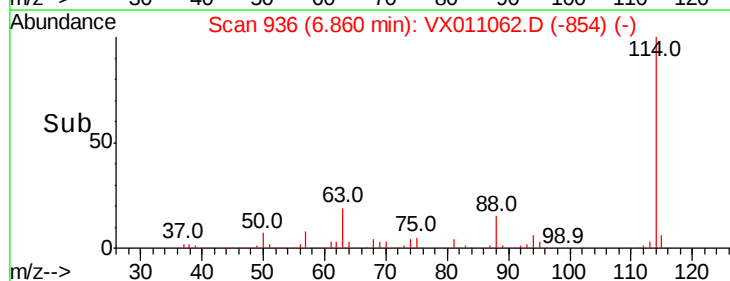
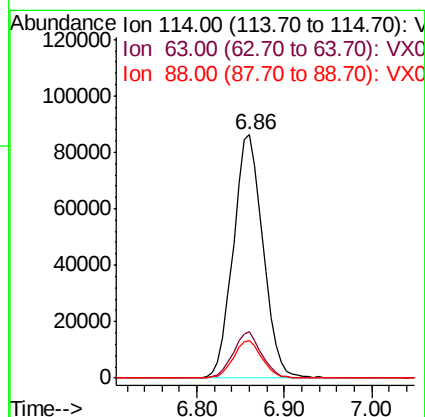
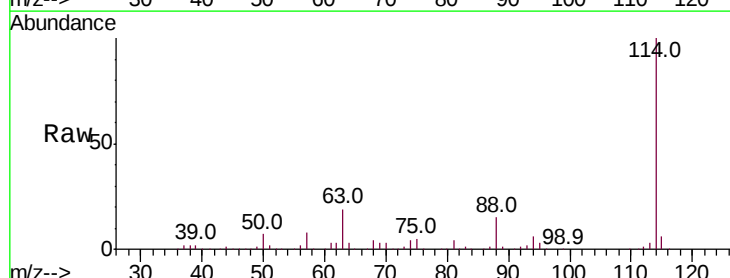
Tgt Ion: 114 Resp: 204093

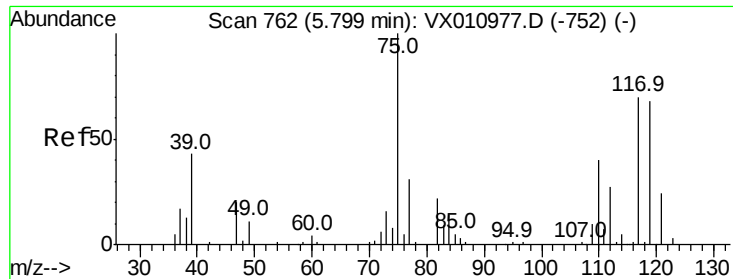
Ion Ratio Lower Upper

114 100

63 18.1 14.6 22.0

88 15.0 11.8 17.8





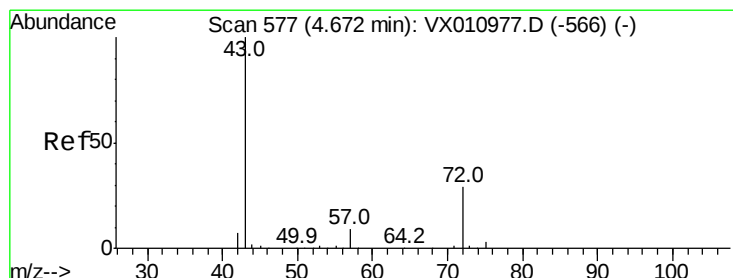
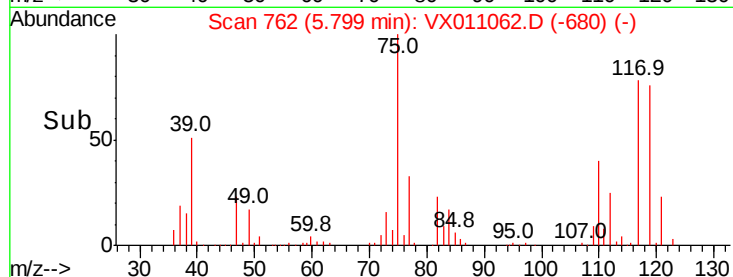
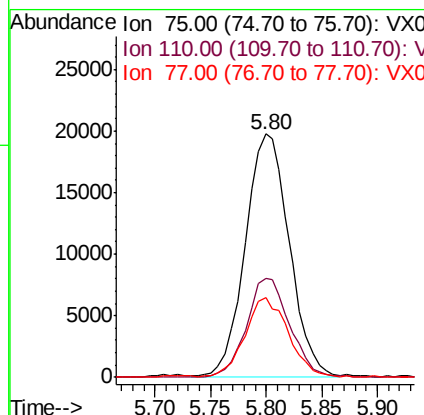
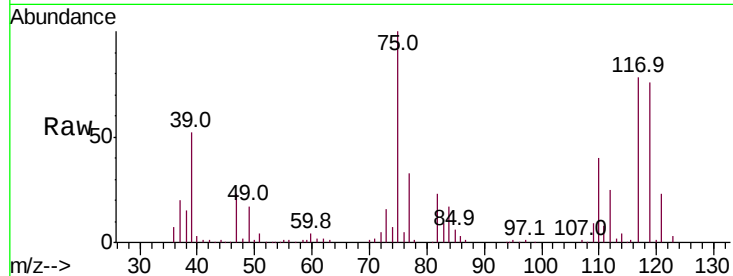
#29
 1,1-Dichloropropene
 Concen: 19.002 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX011062.D
 Acq: 24 Jul 2019 17:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
110	39.6	0.0	79.8
77	32.4	0.0	62.2

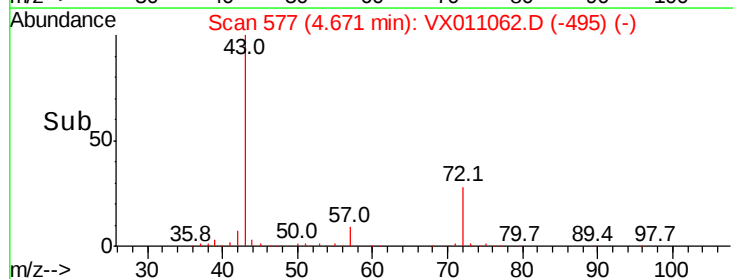
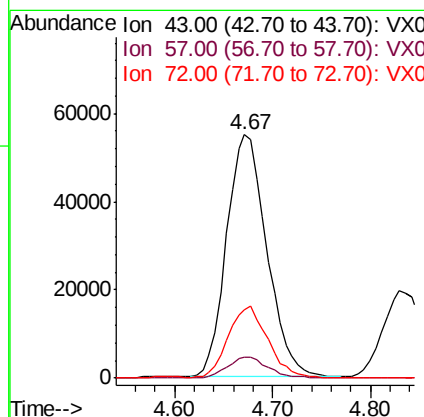
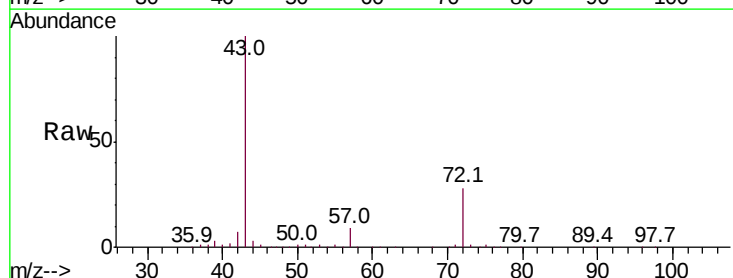
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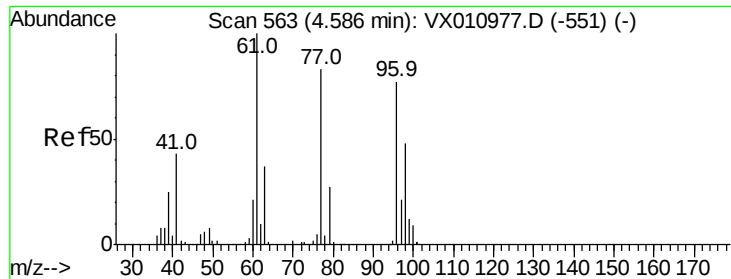
MMDadoda
 7/25/2019 3:55:12 PM



#30
 2-Butanone
 Concen: 101.606 ug/l
 RT: 4.67 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: VX011062.D
 Acq: 24 Jul 2019 17:35

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.8	6.8	10.2
72	29.5	23.2	34.8





#31

2,2-Dichloropropane

Concen: 23.540 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX011062.D

Acq: 24 Jul 2019 17:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 77 Resp: 58977

Ion Ratio Lower Upper

77 100

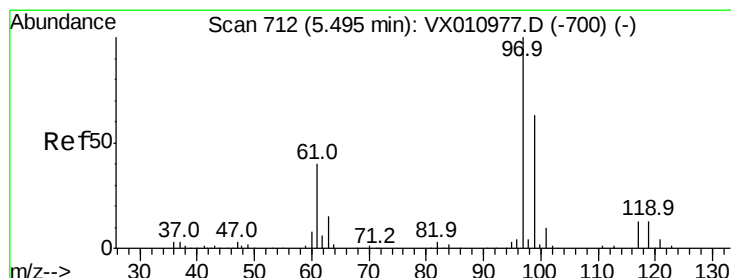
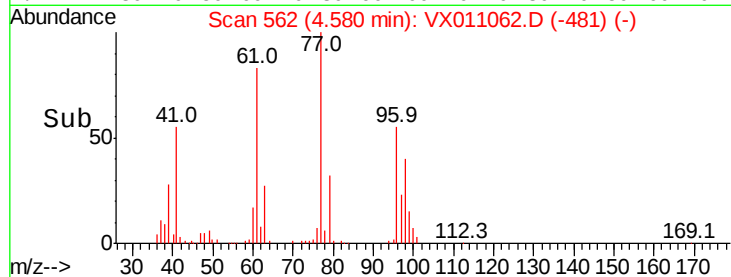
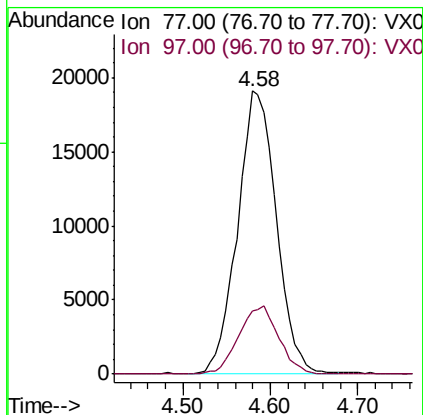
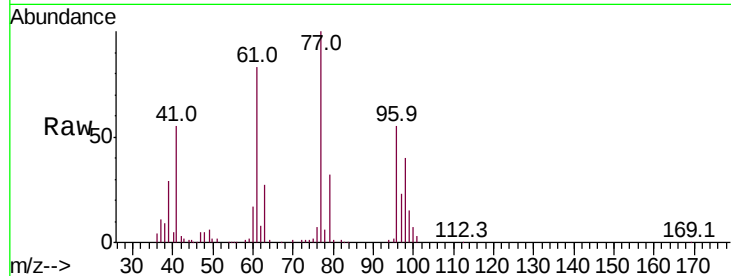
97 24.7 20.9 31.3

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 19.471 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX011062.D

Acq: 24 Jul 2019 17:35

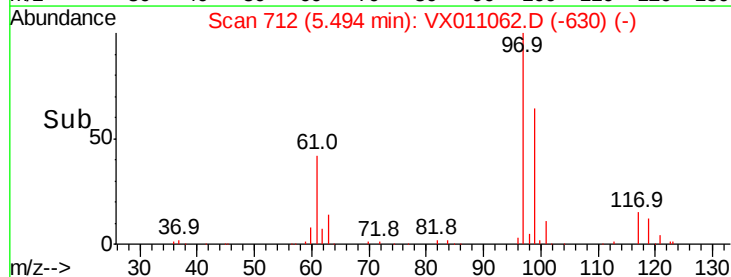
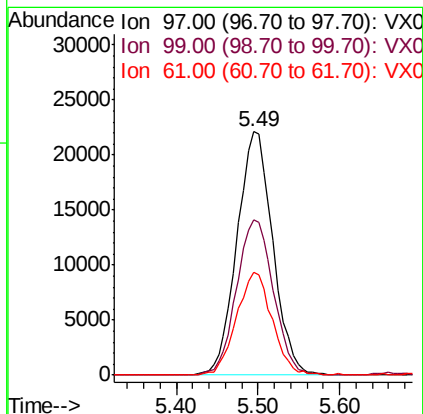
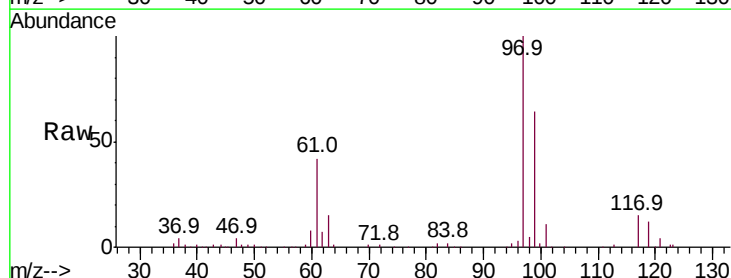
Tgt Ion: 97 Resp: 67392

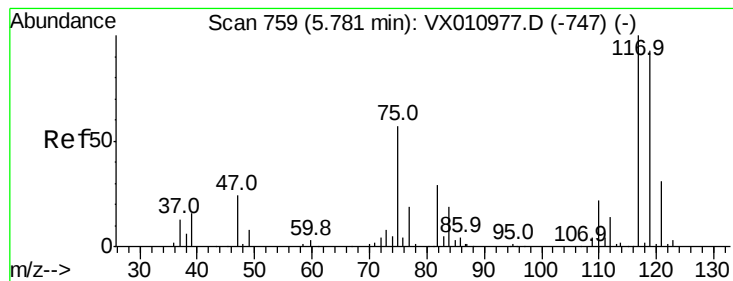
Ion Ratio Lower Upper

97 100

99 65.3 51.0 76.6

61 42.0 34.3 51.5





#33

Carbon Tetrachloride

Concen: 19.251 ug/l

RT: 5.78 min Scan# 759

Delta R.T. -0.00 min

Lab File: VX011062.D

Acq: 24 Jul 2019 17:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion:117 Resp: 57932

Ion Ratio Lower Upper

117 100

119 95.7 74.3 111.5

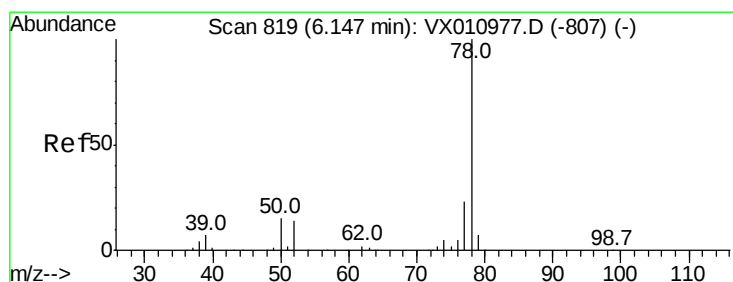
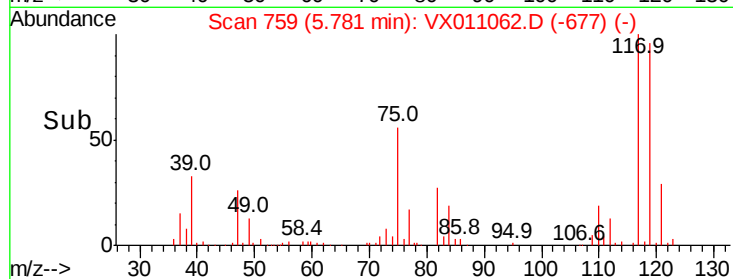
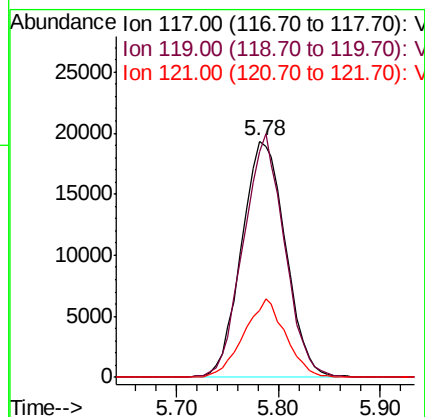
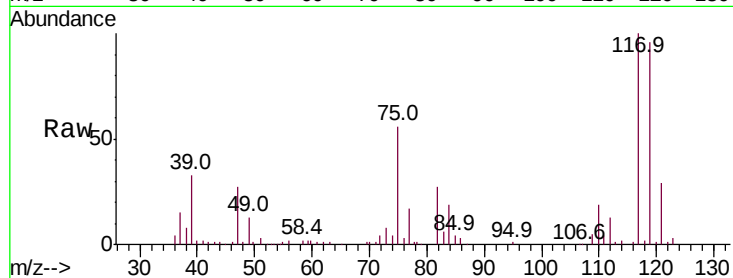
121 28.5 24.9 37.3

Manual Integrations

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#34

Benzene

Concen: 19.755 ug/l

RT: 6.14 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX011062.D

Acq: 24 Jul 2019 17:35

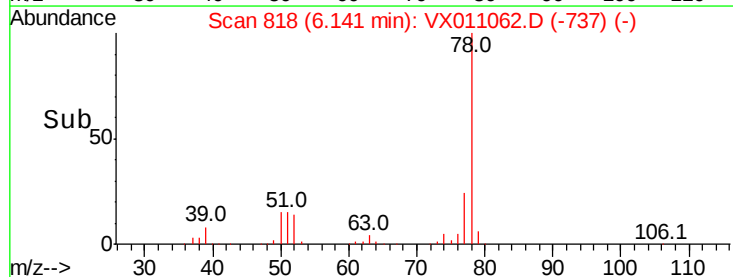
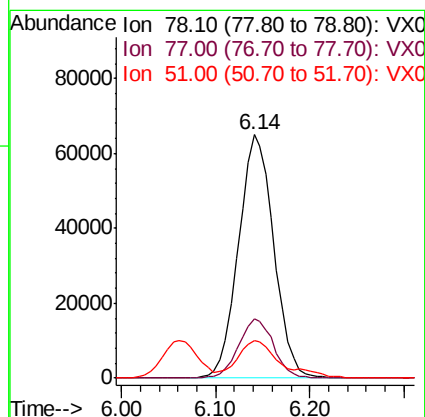
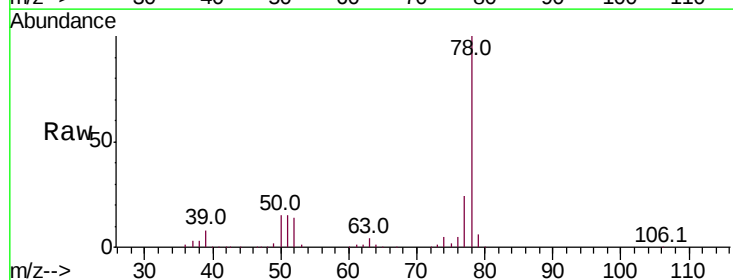
Tgt Ion: 78 Resp: 170079

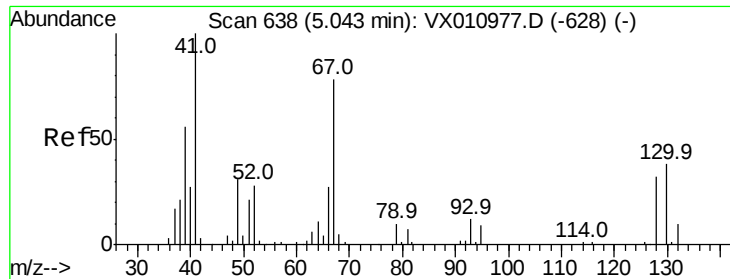
Ion Ratio Lower Upper

78 100

77 24.4 18.2 27.4

51 14.9 11.4 17.2





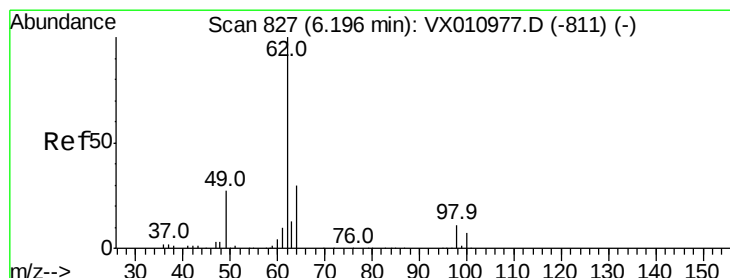
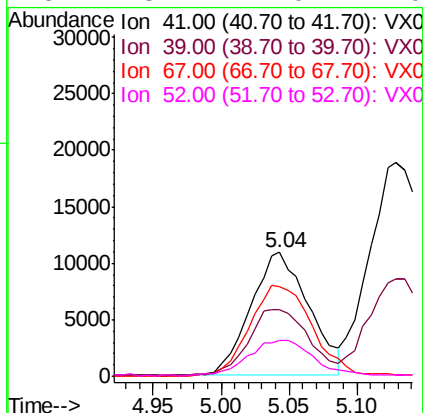
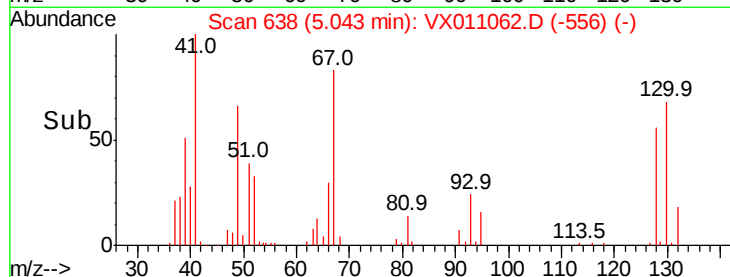
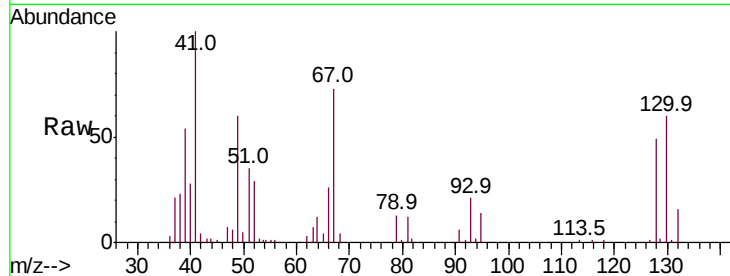
#35
Methacrylonitrile
Concen: 20.174 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX011062.D
Acq: 24 Jul 2019 17:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.0	27.6	82.8
67	72.6	39.1	117.2
52	28.1	14.0	42.0

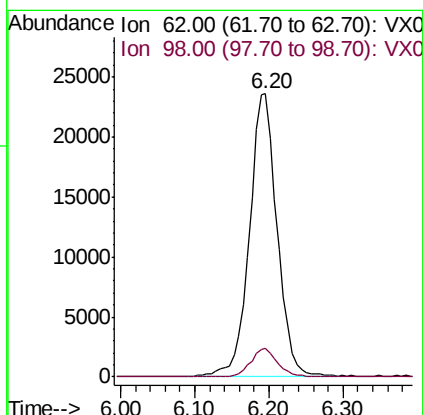
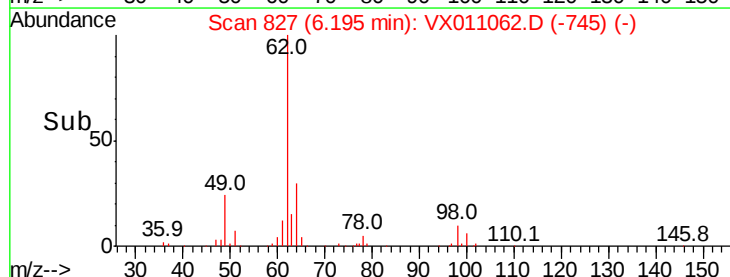
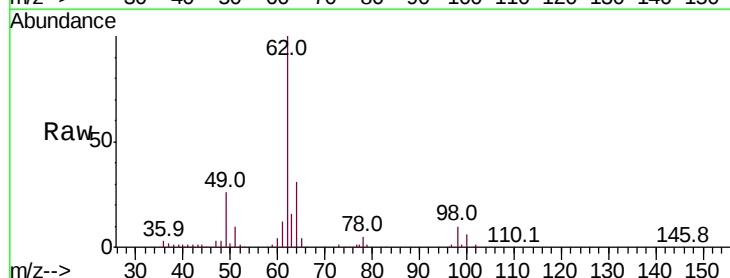
Manual Integrations
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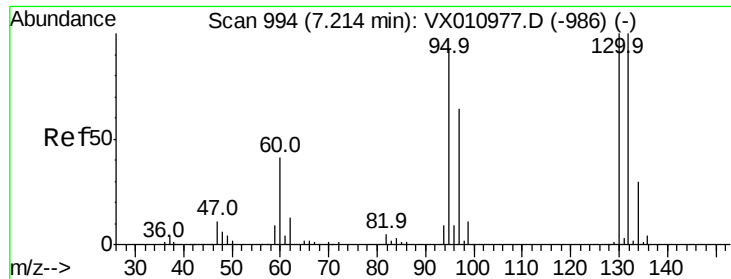
MMDadoda
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#36
1,2-Dichloroethane
Concen: 20.022 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX011062.D
Acq: 24 Jul 2019 17:35

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.6	8.0	12.0





#37

Trichloroethene

Concen: 19.510 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX011062.D

Acq: 24 Jul 2019 17:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion:130 Resp: 49177

Ion Ratio Lower Upper

130 100

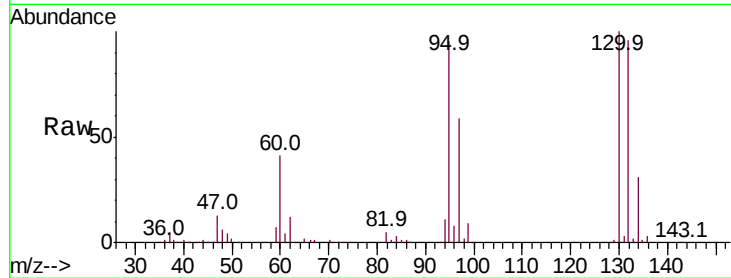
95 94.6 74.1 111.1

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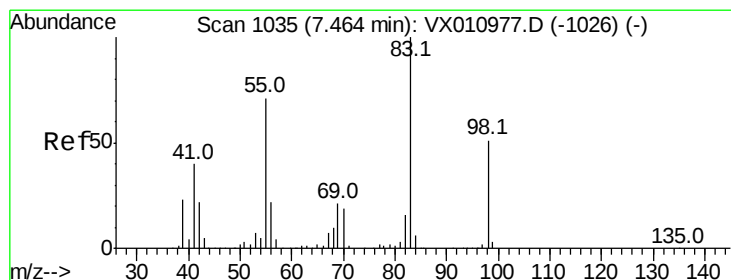
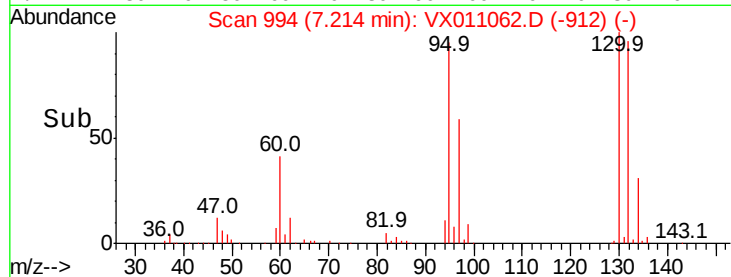
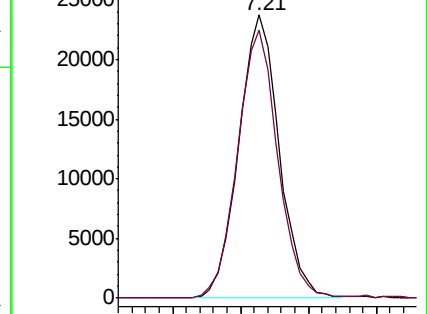
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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0



#38

Methylcyclohexane

Concen: 18.823 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. -0.00 min

Lab File: VX011062.D

Acq: 24 Jul 2019 17:35

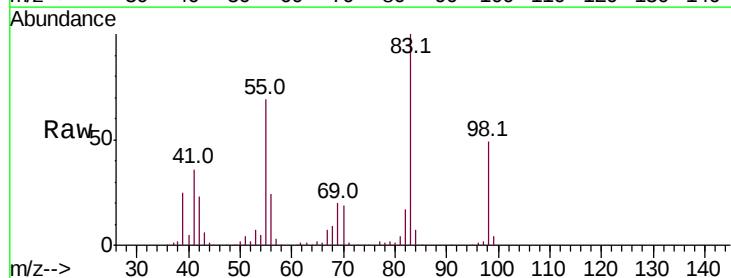
Tgt Ion: 83 Resp: 68184

Ion Ratio Lower Upper

83 100

55 71.5 35.3 105.9

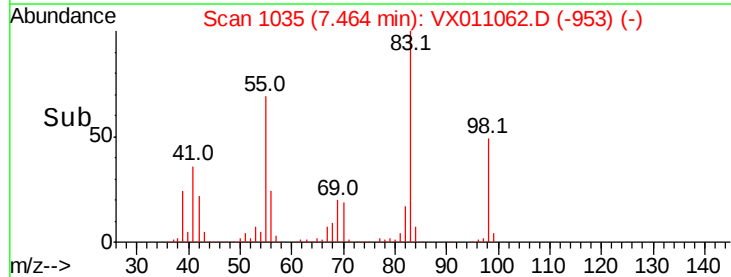
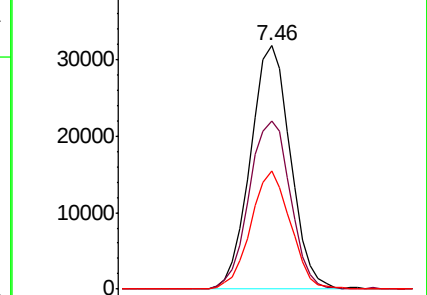
98 48.2 24.0 72.0

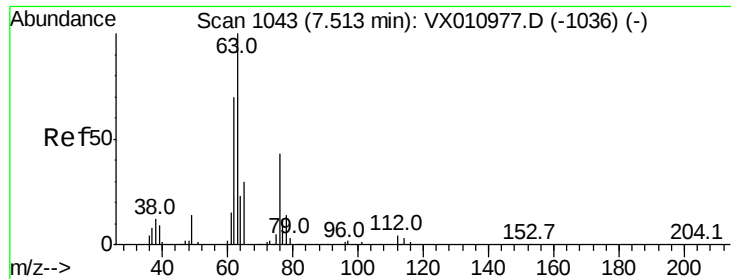


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





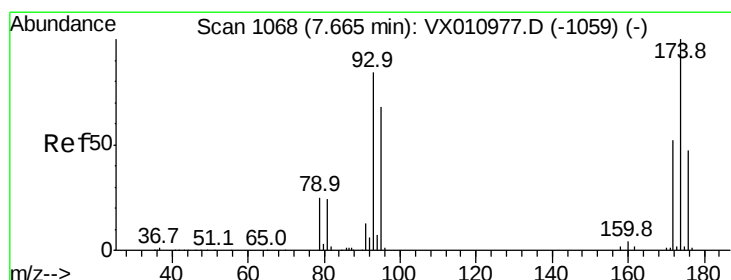
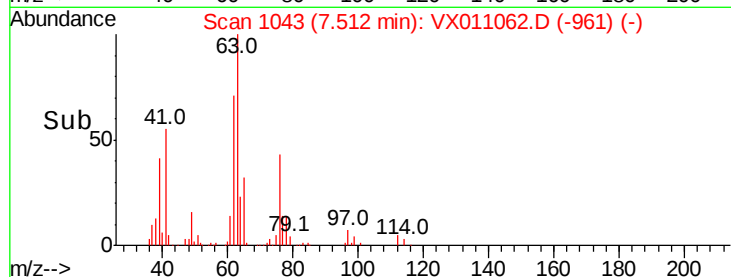
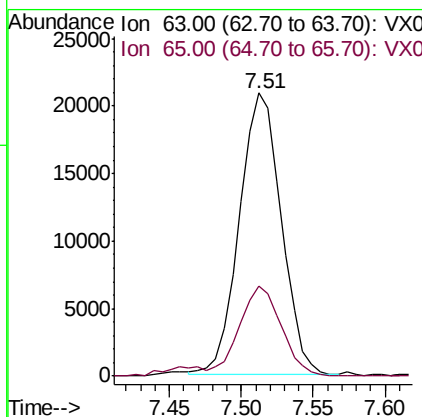
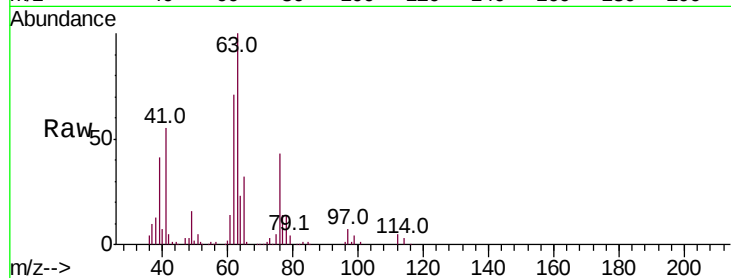
#39
 1,2-Dichloropropane
 Concen: 19.475 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX011062.D
 Acq: 24 Jul 2019 17:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.6	25.6	38.4

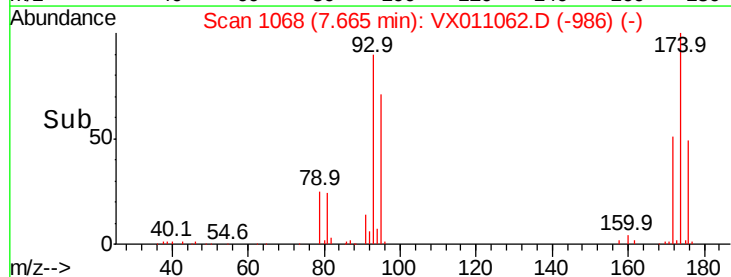
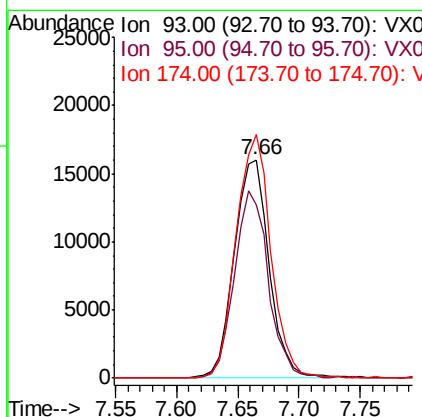
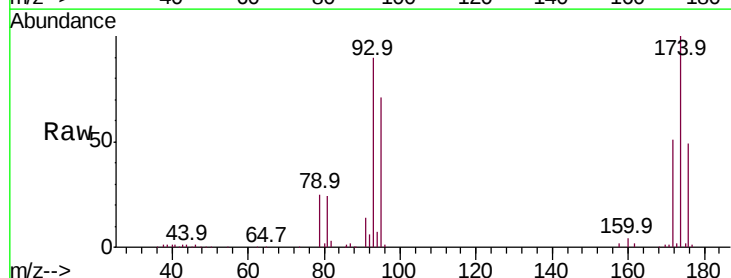
Manual Integrations
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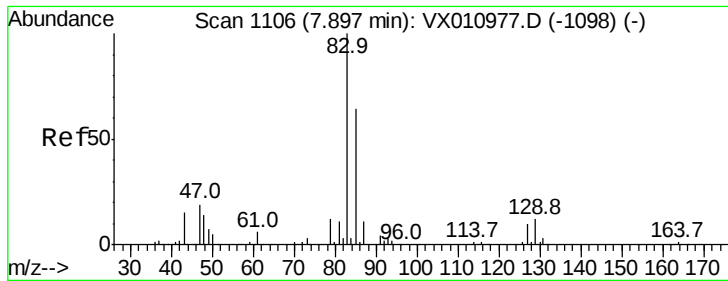
MMDadoda
 7/25/2019 3:55:12 PM



#40
 Dibromomethane
 Concen: 20.047 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VX011062.D
 Acq: 24 Jul 2019 17:35

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.9	0.0	166.0
174	111.4	0.0	229.2





#41

Bromodichloromethane

Concen: 19.415 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX011062.D

Acq: 24 Jul 2019 17:35

Instrument :

MSVOA_X

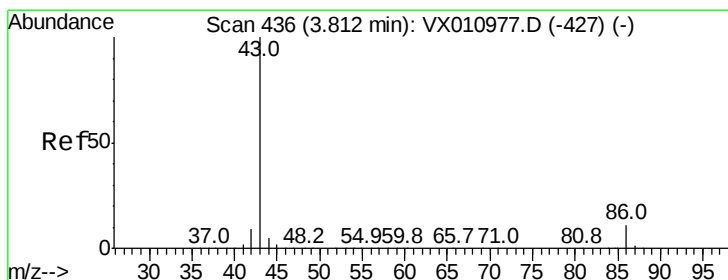
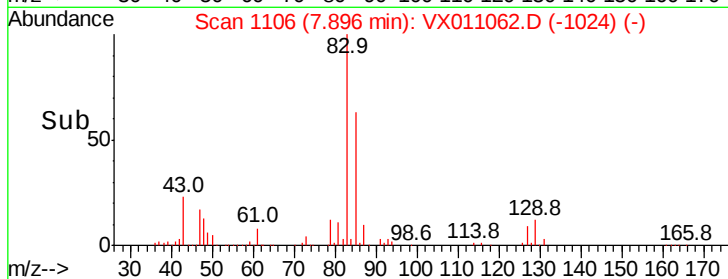
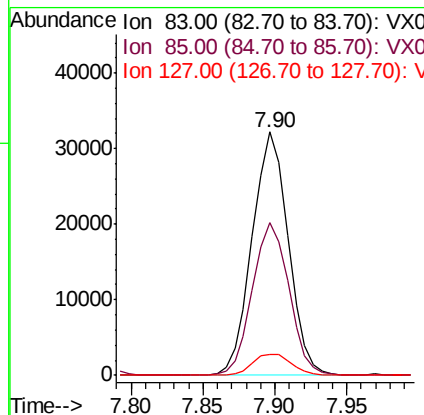
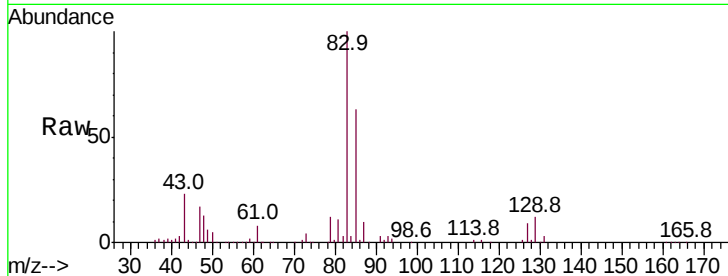
ClientSampleId :

VSTDCCC020EC

Tot Ion:	83	Resp:	55934
Ion	Ratio	Lower	Upper
83	100		
85	62.9	50.9	76.3
127	8.8	7.7	11.5

Manual Integrations
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7/25/2019 3:55:12 PM



#42

Vinyl Acetate

Concen: 99.759 ug/l

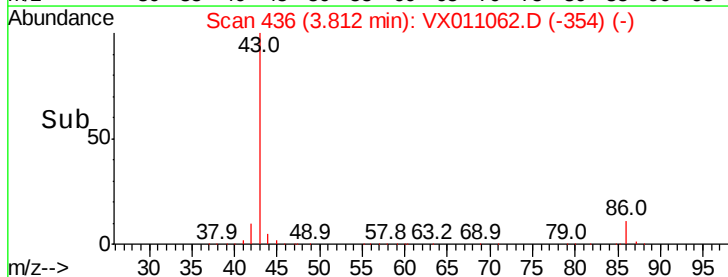
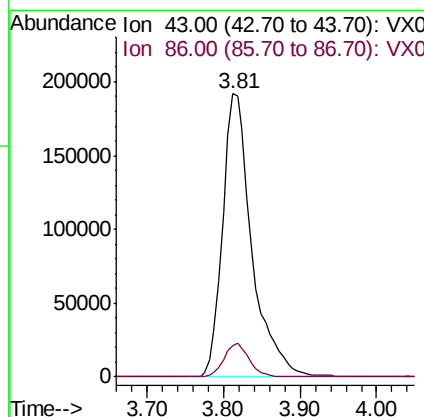
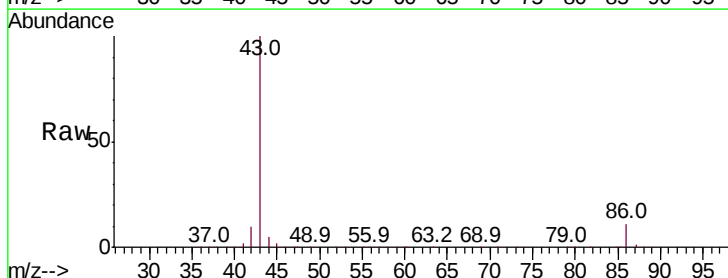
RT: 3.81 min Scan# 436

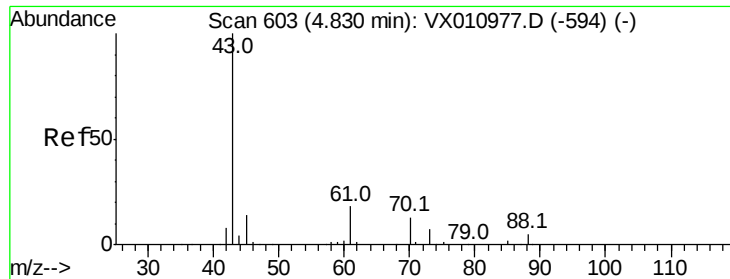
Delta R.T. -0.00 min

Lab File: VX011062.D

Acq: 24 Jul 2019 17:35

Tgt Ion:	43	Resp:	509209
Ion	Ratio	Lower	Upper
43	100		
86	10.1	8.2	12.2





#43

Ethyl Acetate

Concen: 19.062 ug/l

RT: 4.83 min Scan# 603

Delta R.T. -0.00 min

Lab File: VX011062.D

Acq: 24 Jul 2019 17:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 43 Resp: 56689

Ion Ratio Lower Upper

43 100

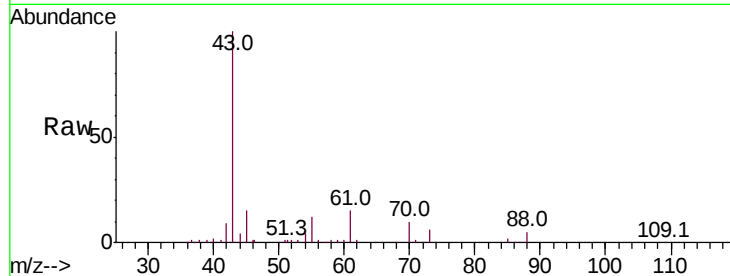
45 15.5 12.1 18.1

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

20000

15000

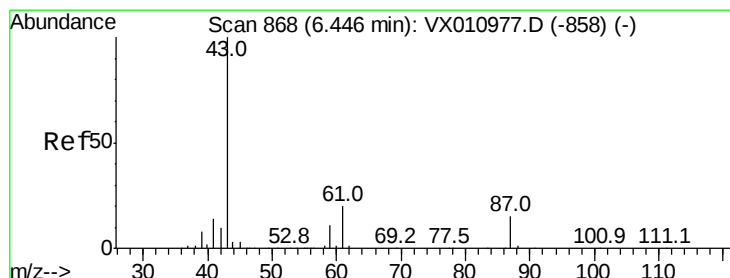
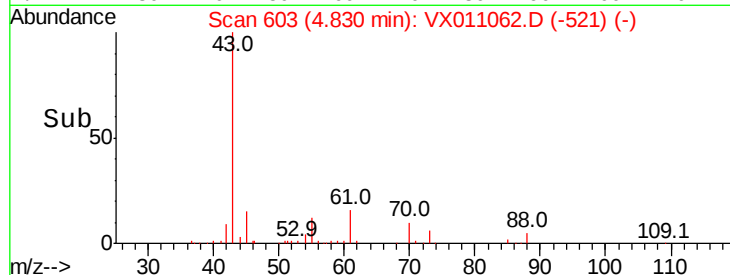
10000

5000

0

4.80 4.90

Time-->



#44

Isopropyl Acetate

Concen: 19.386 ug/l

RT: 6.44 min Scan# 867

Delta R.T. -0.01 min

Lab File: VX011062.D

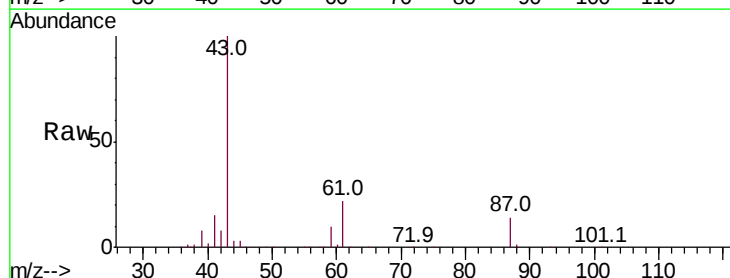
Acq: 24 Jul 2019 17:35

Tgt Ion: 43 Resp: 93906

Ion Ratio Lower Upper

43 100

61 21.0 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

40000

30000

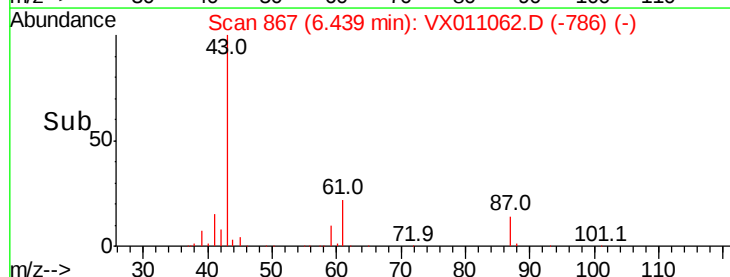
20000

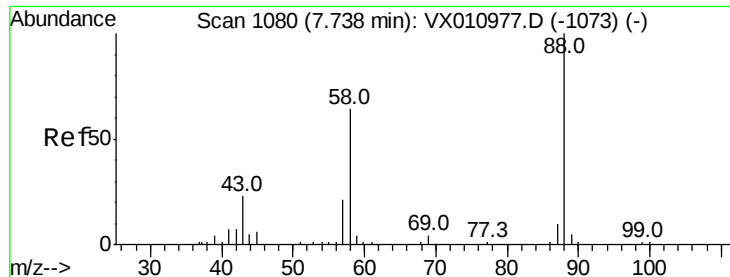
10000

0

6.40 6.50

Time-->





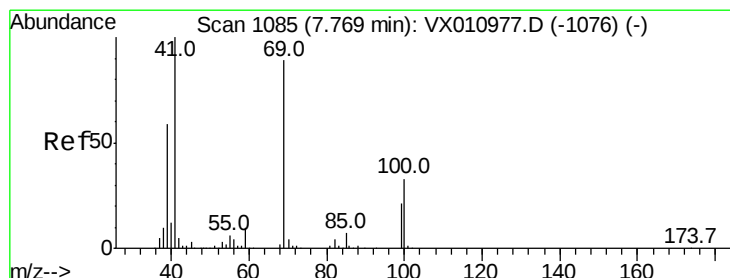
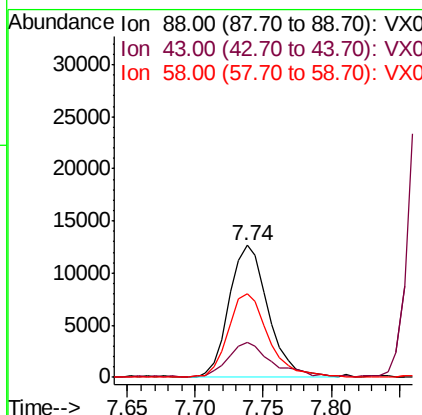
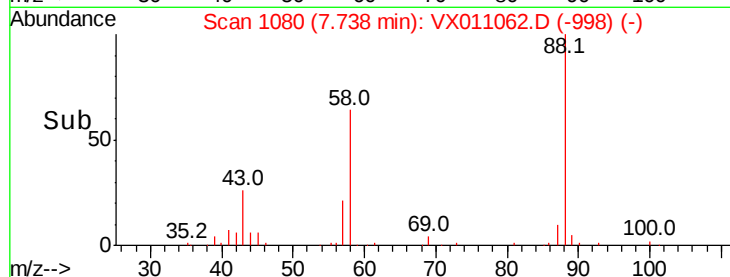
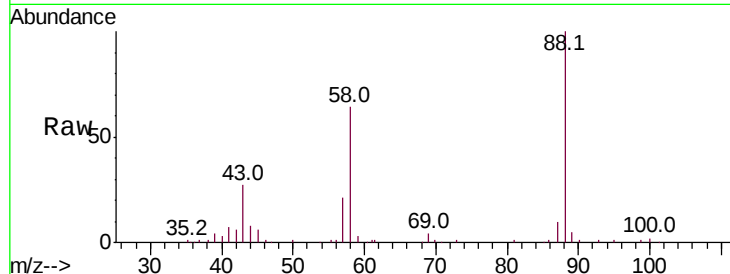
#45
1,4-Dioxane
Concen: 400.589 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX011062.D
Acq: 24 Jul 2019 17:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	25.7	21.6	32.4
58	66.1	52.2	78.2

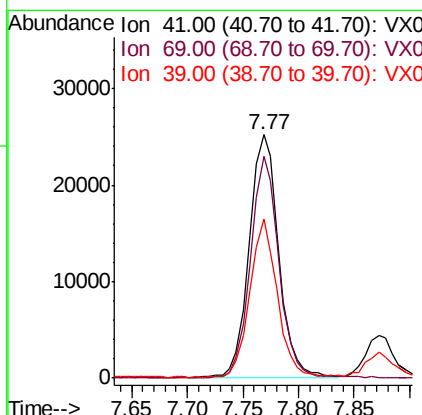
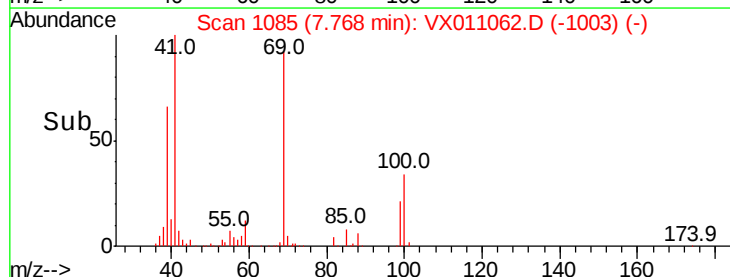
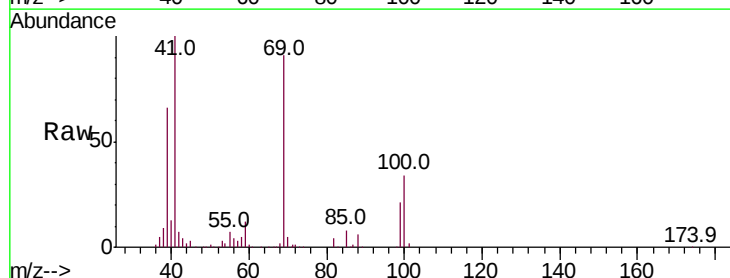
Manual Integrations
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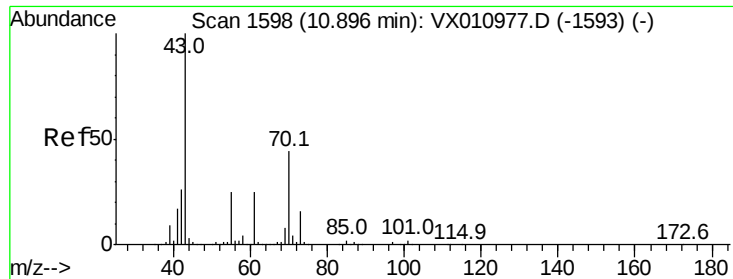
MMDadoda
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#46
Methyl methacrylate
Concen: 19.758 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. -0.00 min
Lab File: VX011062.D
Acq: 24 Jul 2019 17:35

Tgt Ion	Ratio	Lower	Upper
41	100		
69	91.5	44.7	134.1
39	65.3	29.4	88.2





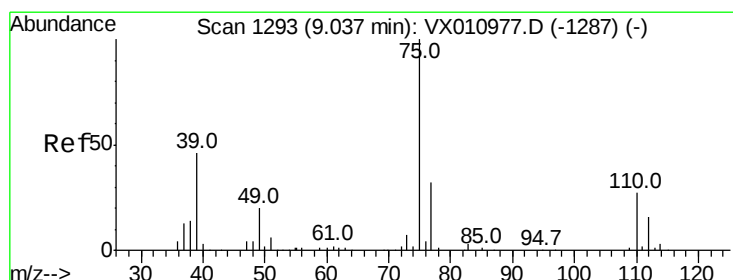
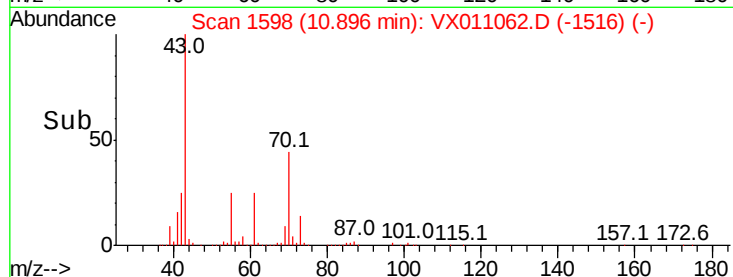
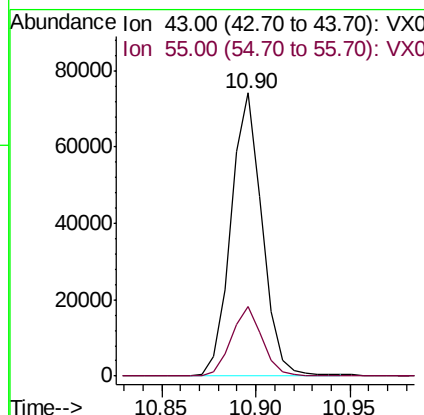
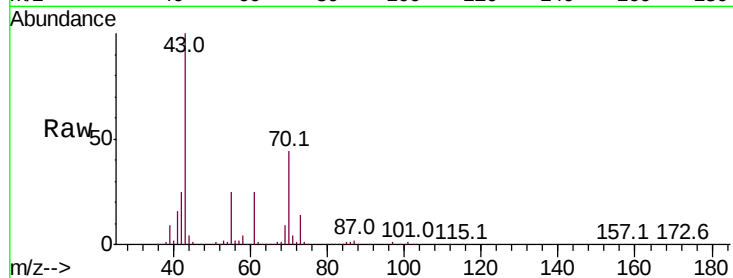
#47
n-amvl Acetate
Concen: 19.512 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VX011062.D
Acq: 24 Jul 2019 17:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion: 43 Resp: 84769
Ion Ratio Lower Upper
43 100
55 24.4 19.6 29.4

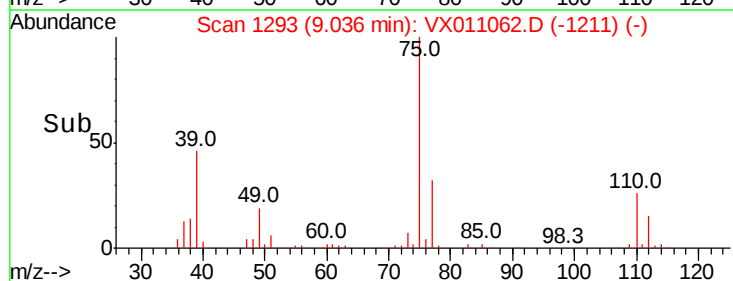
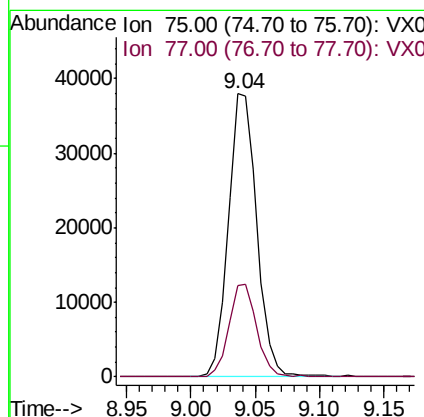
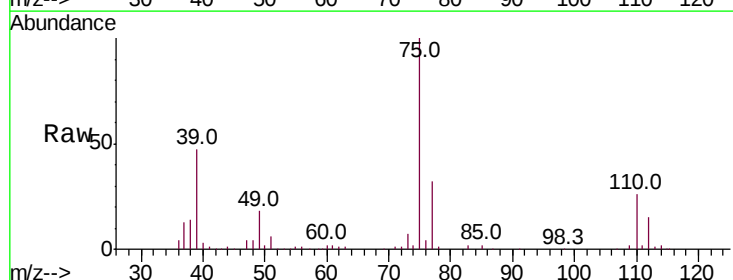
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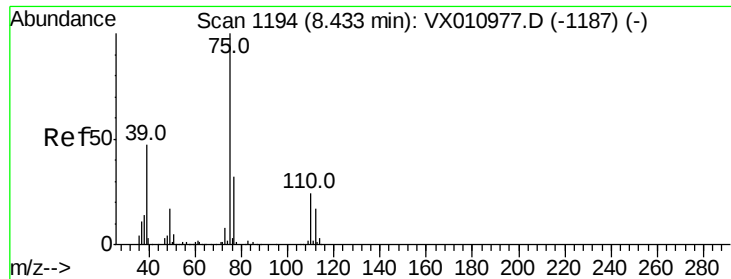
MMDadoda
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#48
t-1,3-Dichloropropene
Concen: 19.373 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. -0.00 min
Lab File: VX011062.D
Acq: 24 Jul 2019 17:35

Tgt Ion: 75 Resp: 58821
Ion Ratio Lower Upper
75 100
77 32.1 25.7 38.5





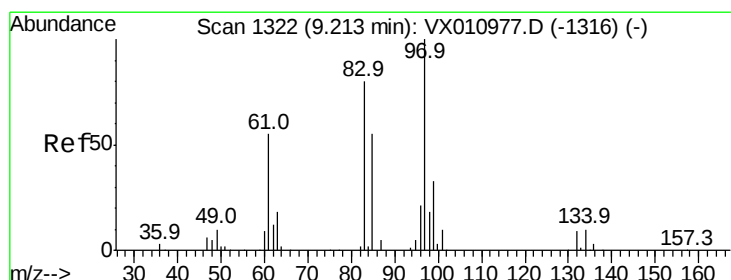
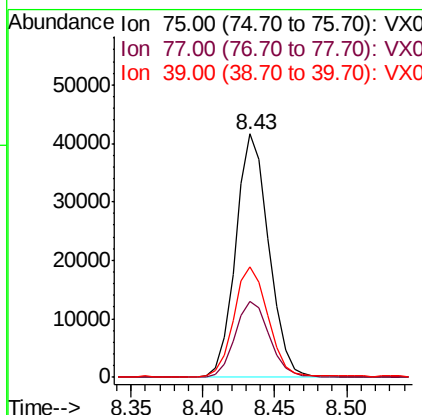
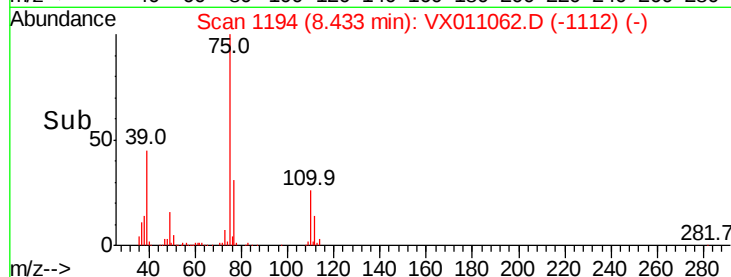
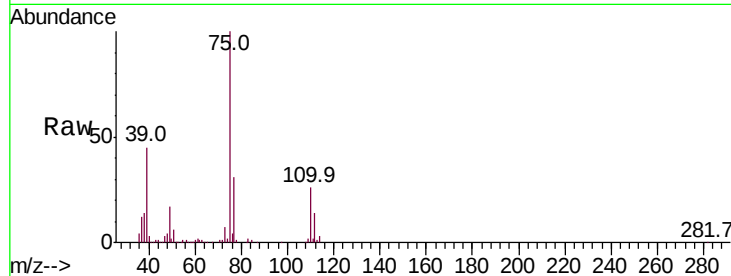
#49
 cis-1,3-Dichloropropene
 Concen: 20.087 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX011062.D
 Acq: 24 Jul 2019 17:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.3	37.9
39	45.0	37.8	56.6

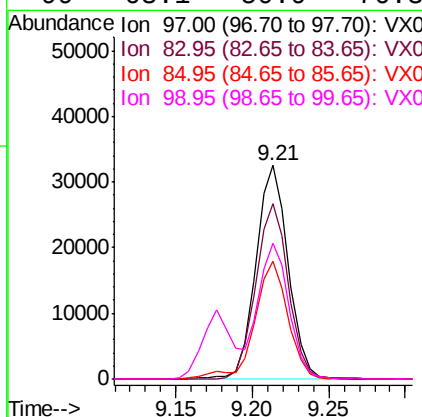
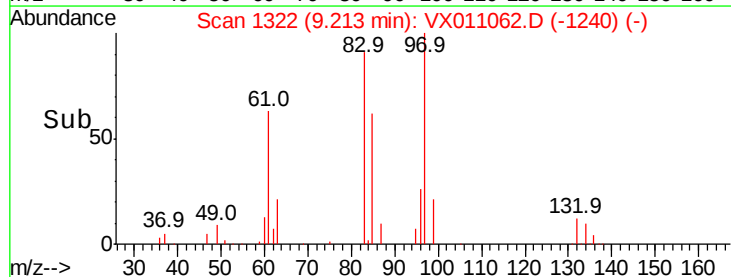
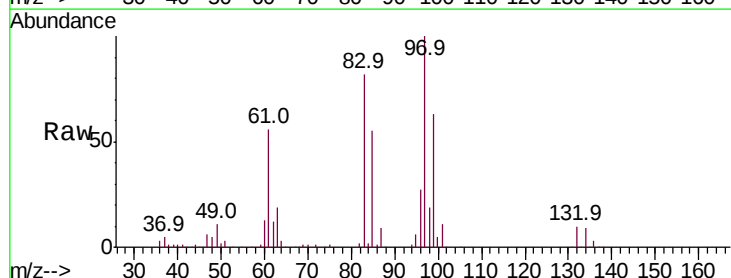
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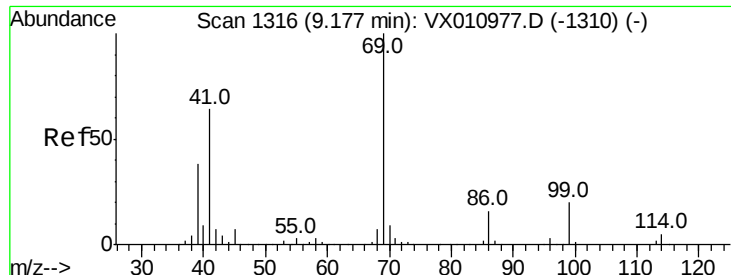
MMDadoda
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#50
 1,1,2-Trichloroethane
 Concen: 20.624 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX011062.D
 Acq: 24 Jul 2019 17:35

Tgt Ion	Ratio	Lower	Upper
97	100		
83	81.8	63.9	95.9
85	54.9	43.4	65.2
99	63.1	50.9	76.3





#51

Ethyl methacrylate

Concen: 19.242 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX011062.D

Acq: 24 Jul 2019 17:35

Instrument :

MSVOA_X

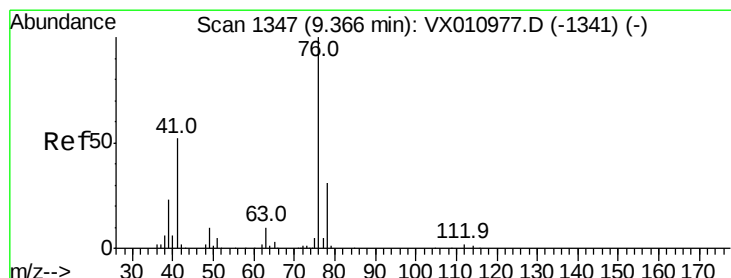
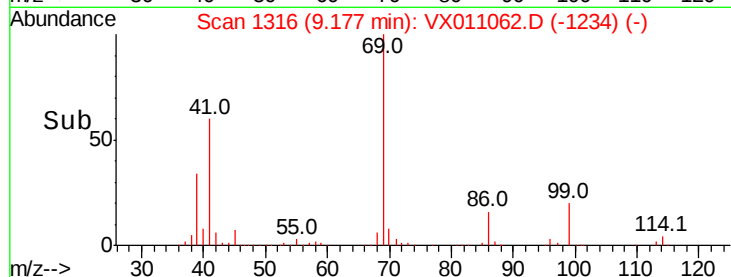
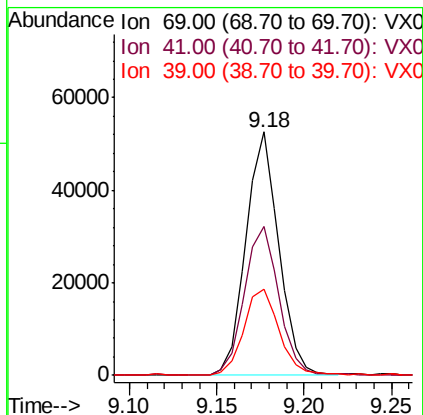
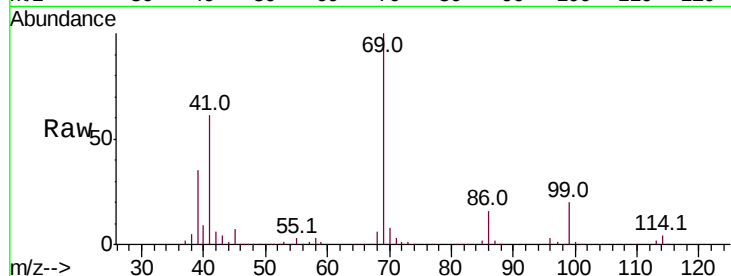
ClientSampleId :

VSTDCCC020EC

Tot Ion:	69	Resp:	68935
Ion Ratio	Lower	Upper	
69	100		
41	60.9	32.1	96.3
39	34.9	19.1	57.3

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#52

1,3-Dichloropropane

Concen: 20.074 ug/l

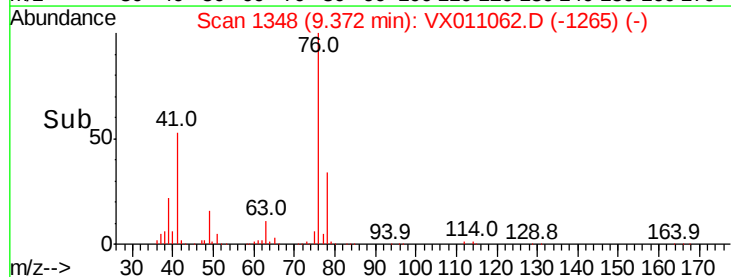
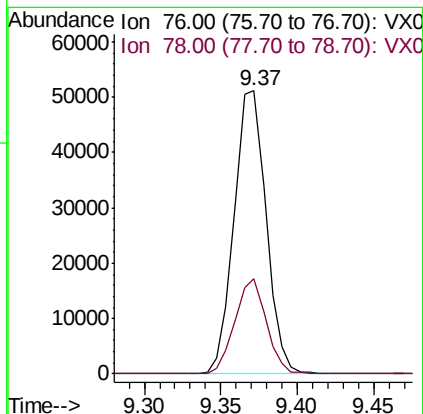
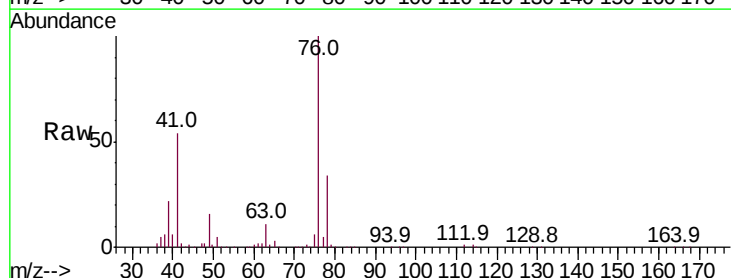
RT: 9.37 min Scan# 1348

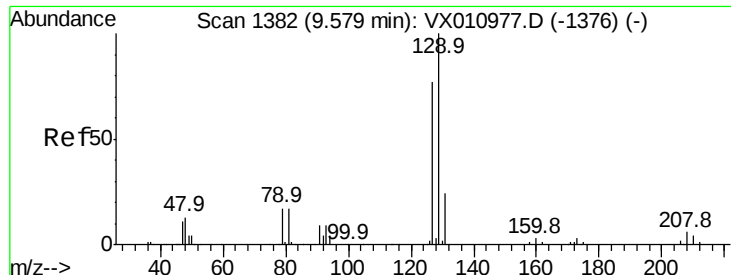
Delta R.T. 0.01 min

Lab File: VX011062.D

Acq: 24 Jul 2019 17:35

Tgt Ion:	76	Resp:	74724
Ion Ratio	Lower	Upper	
76	100		
78	32.8	0.0	63.8





#53

Dibromochloromethane

Concen: 18.837 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VX011062.D

Acq: 24 Jul 2019 17:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion:129 Resp: 47124

Ion Ratio Lower Upper

129 100

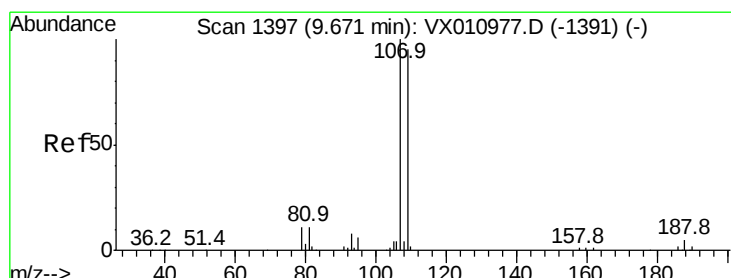
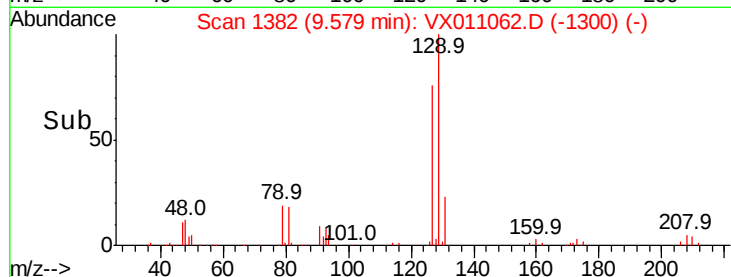
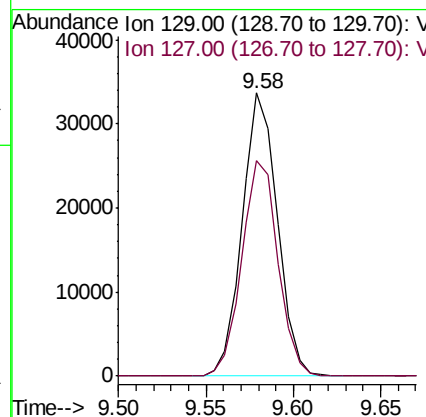
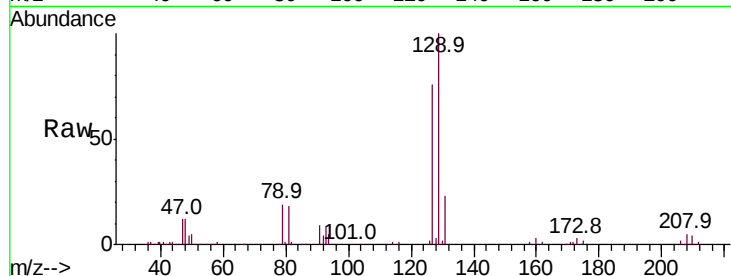
127 78.1 38.1 114.3

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#54

1,2-Dibromoethane

Concen: 19.775 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX011062.D

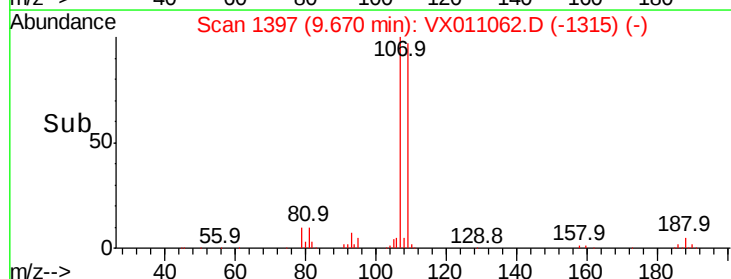
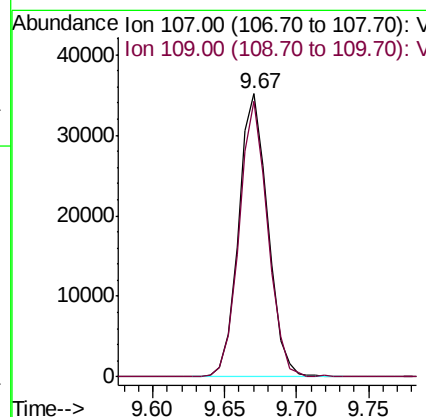
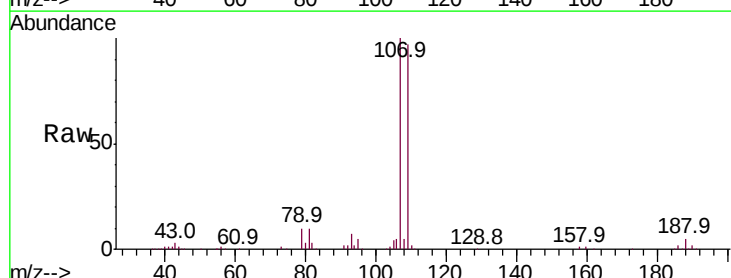
Acq: 24 Jul 2019 17:35

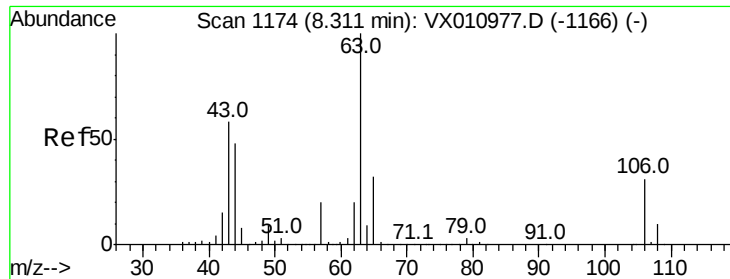
Tgt Ion:107 Resp: 49782

Ion Ratio Lower Upper

107 100

109 94.7 77.1 115.7





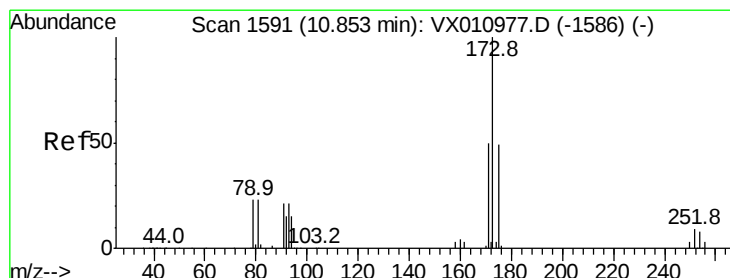
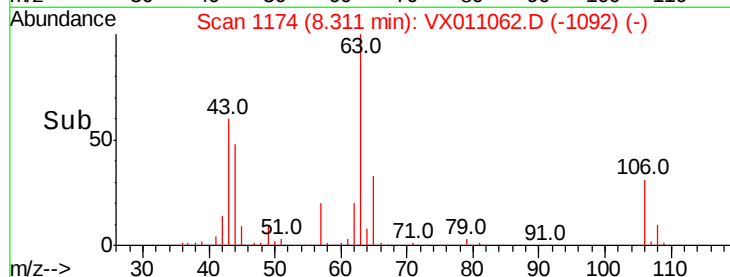
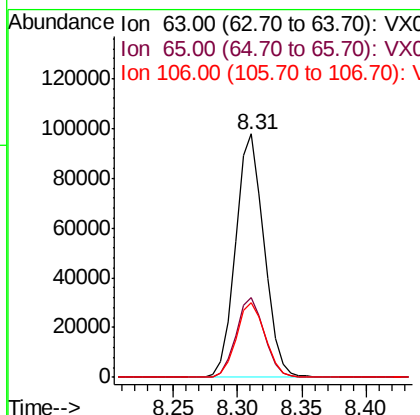
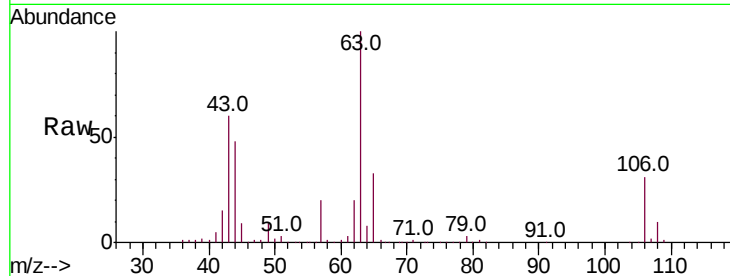
#55
2-Chloroethyl vinyl ether
Concen: 98.645 ug/l
RT: 8.31 min Scan# 1174
Delta R.T. -0.00 min
Lab File: VX011062.D
Acq: 24 Jul 2019 17:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.6	25.7	38.5
106	31.1	24.8	37.2

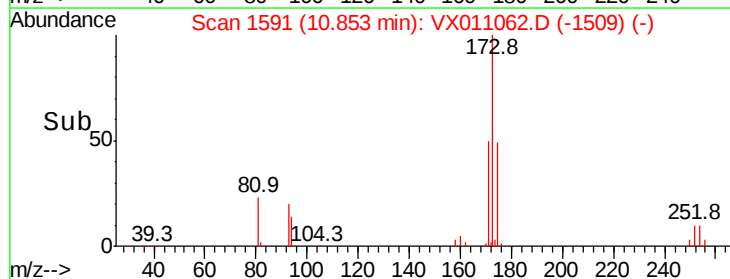
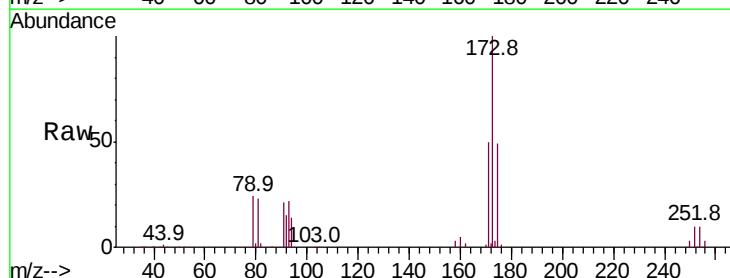
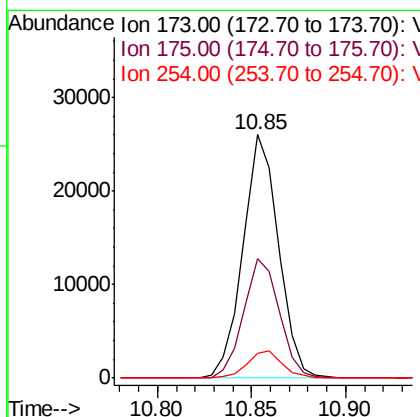
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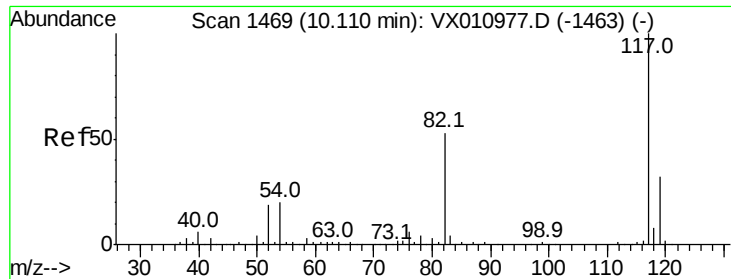
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#56
Bromoform
Concen: 18.315 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.00 min
Lab File: VX011062.D
Acq: 24 Jul 2019 17:35

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.6	39.0	58.6
254	10.9	7.9	11.9





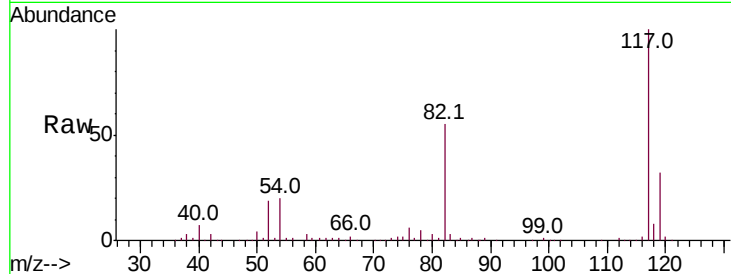
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011062.D
Acq: 24 Jul 2019 17:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

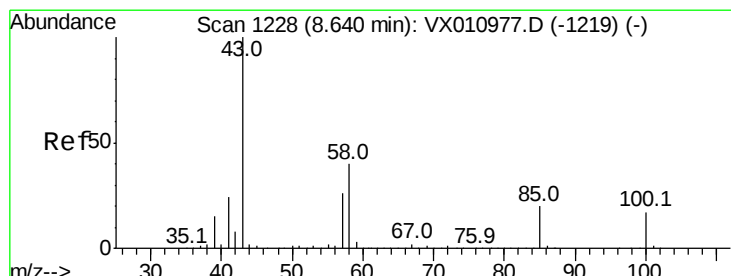
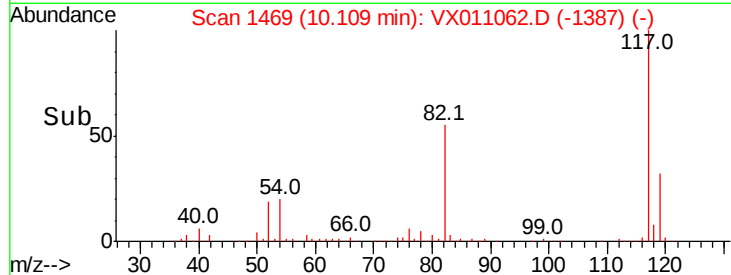
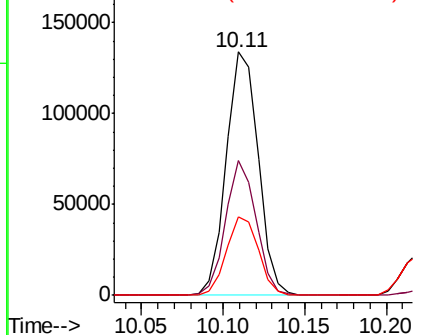
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	41.6	62.4
119	32.6	26.0	39.0

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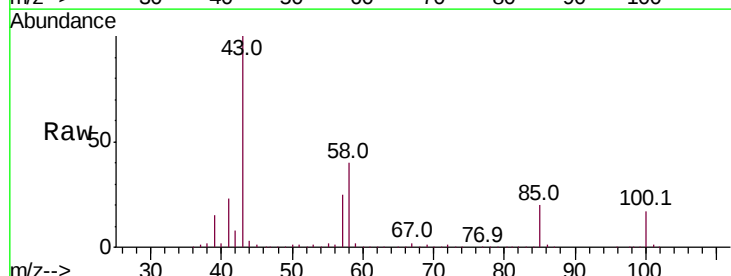


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 119.00 (118.70 to 119.70): V

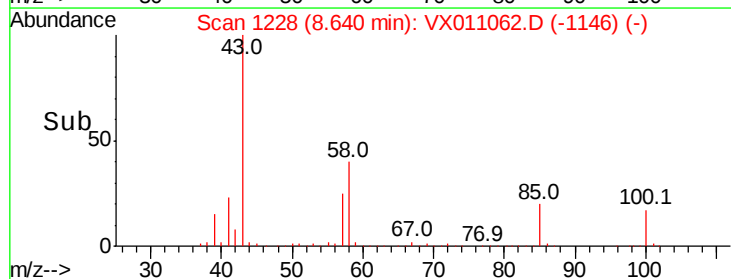
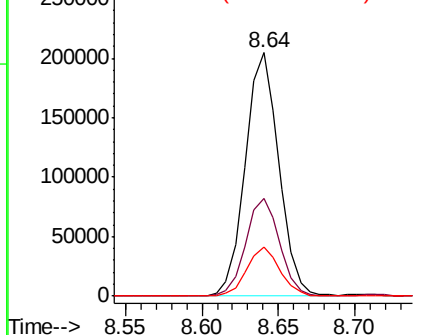


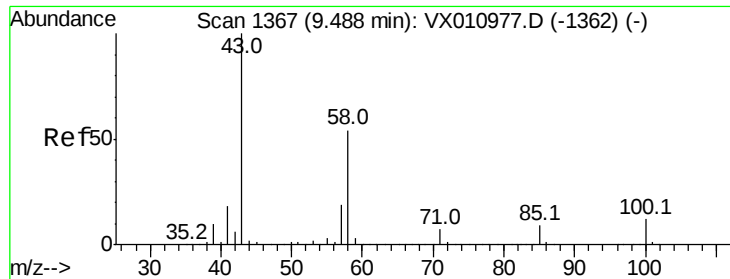
#58
4-Methyl-2-Pentanone
Concen: 100.864 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX011062.D
Acq: 24 Jul 2019 17:35

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.5	32.6	48.8
85	19.6	15.8	23.6



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





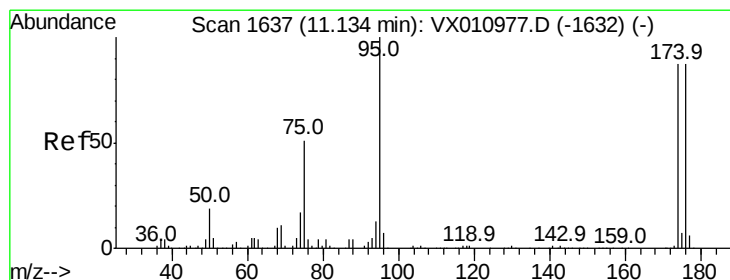
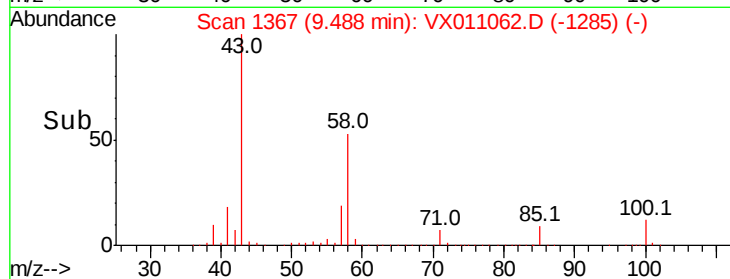
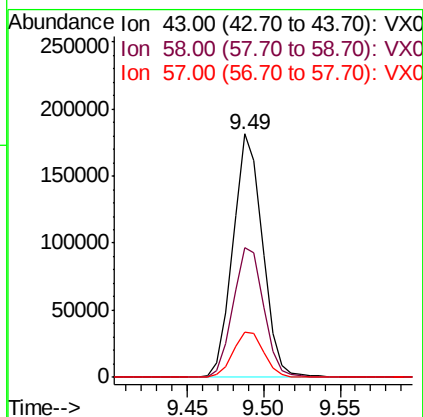
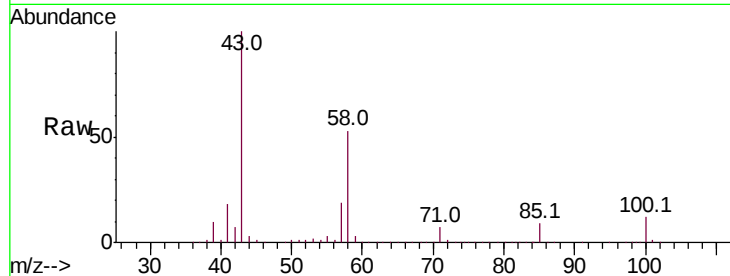
#59
2-Hexanone
Concen: 102.791 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX011062.D
Acq: 24 Jul 2019 17:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.4	44.7	67.1
57	19.2	15.4	23.2

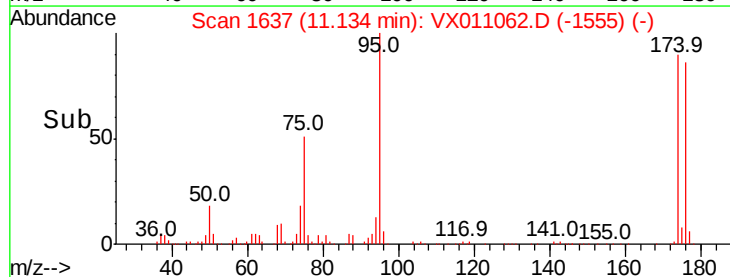
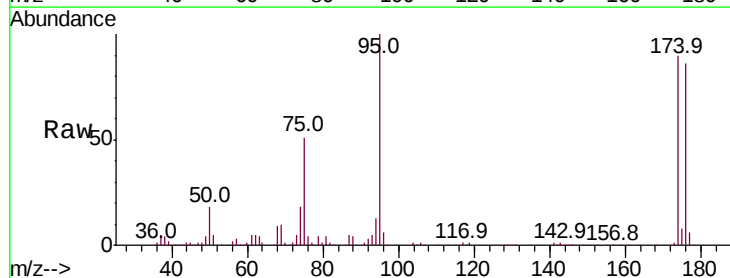
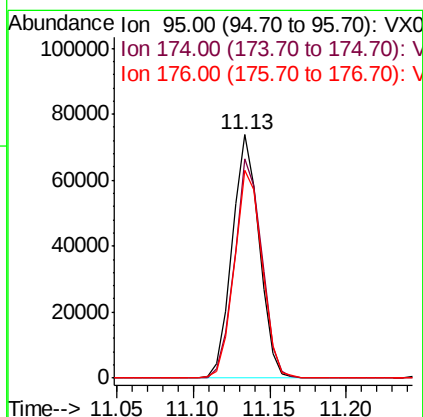
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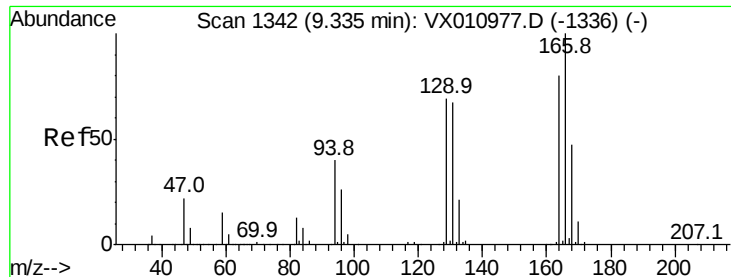
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#60
4-Bromofluorobenzene
Concen: 30.129 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX011062.D
Acq: 24 Jul 2019 17:35

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.8	73.3	109.9
176	87.4	71.2	106.8





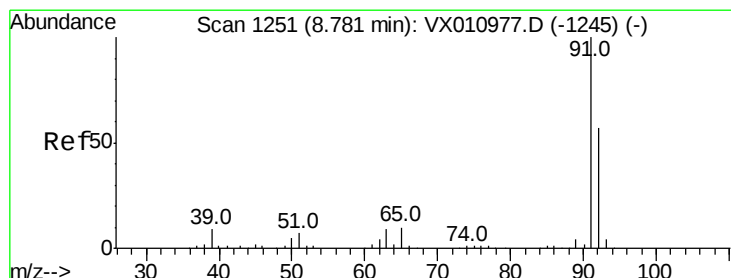
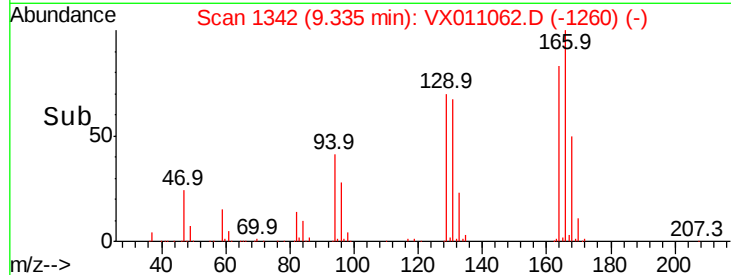
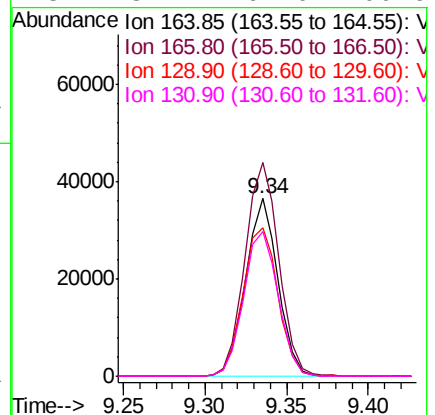
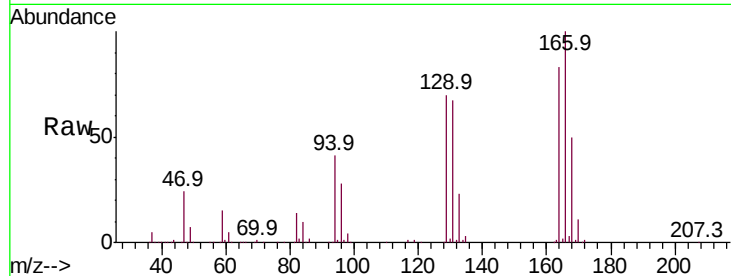
#61
 Tetrachloroethene
 Concen: 20.989 ug/l
 RT: 9.34 min Scan# 1342
 Delta R.T. -0.00 min
 Lab File: VX011062.D
 Acq: 24 Jul 2019 17:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:	164	Resp:	50676
Ion	Ratio	Lower	Upper
164	100		
166	120.2	100.1	150.1
129	83.6	69.6	104.4
131	81.1	67.0	100.6

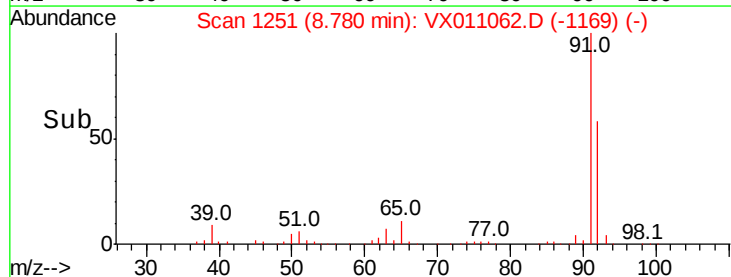
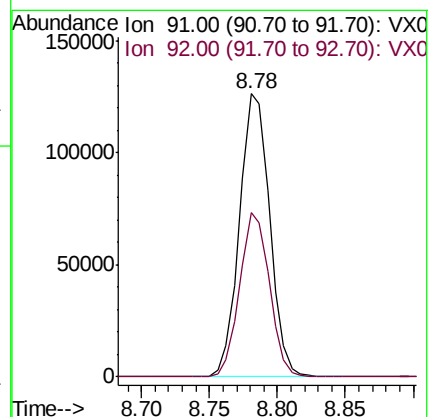
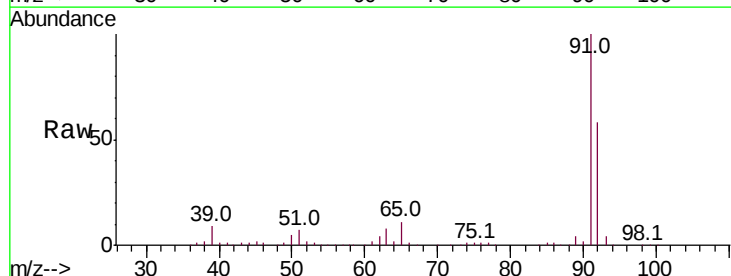
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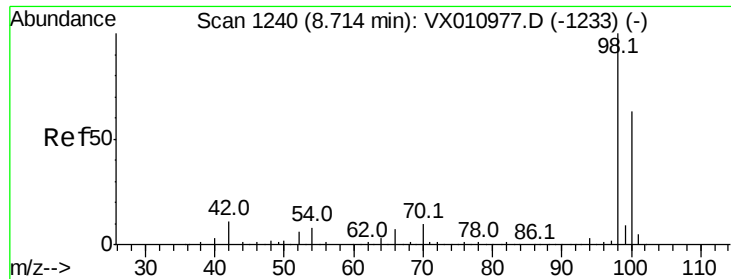
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#62
 Toluene
 Concen: 20.189 ug/l
 RT: 8.78 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VX011062.D
 Acq: 24 Jul 2019 17:35

Tgt Ion:	91	Resp:	196129
Ion	Ratio	Lower	Upper
91	100		
92	57.2	45.4	68.2





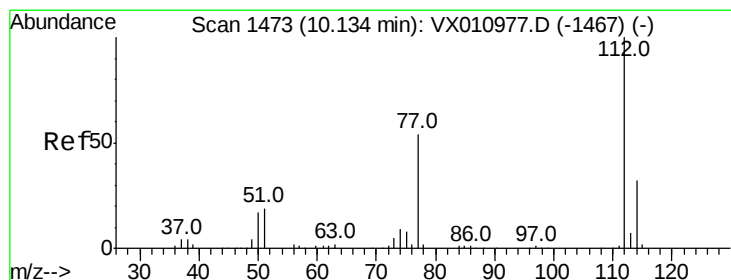
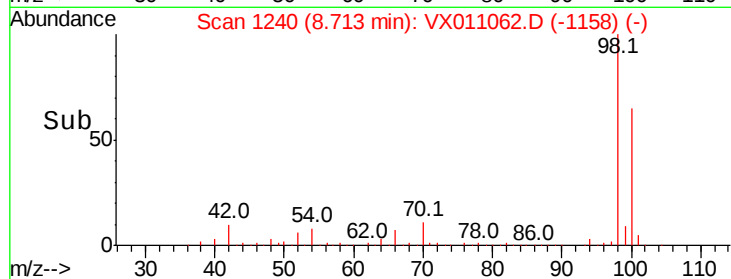
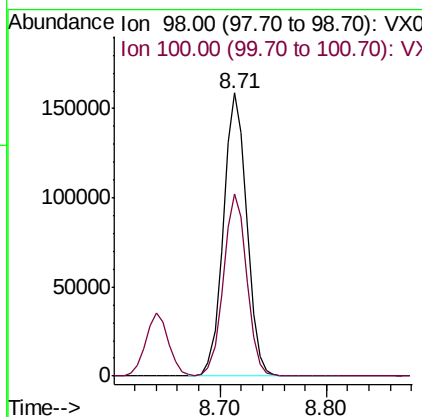
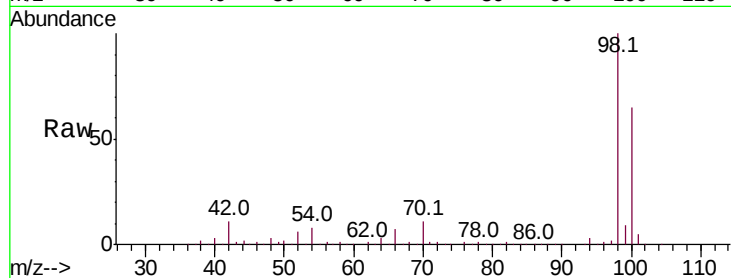
#63
Toluene-d8
Concen: 30.353 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX011062.D
Acq: 24 Jul 2019 17:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion: 98 Resp: 243966
Ion Ratio Lower Upper
98 100
100 64.3 51.4 77.0

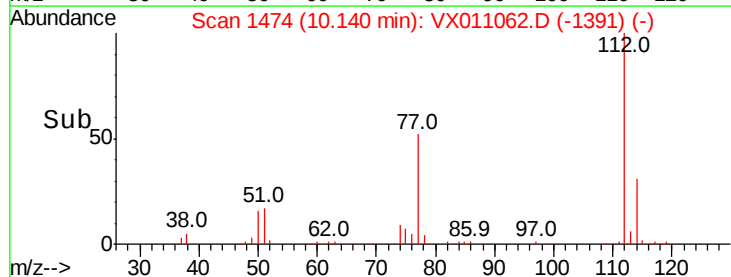
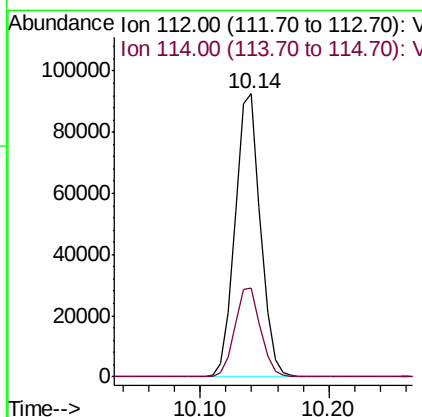
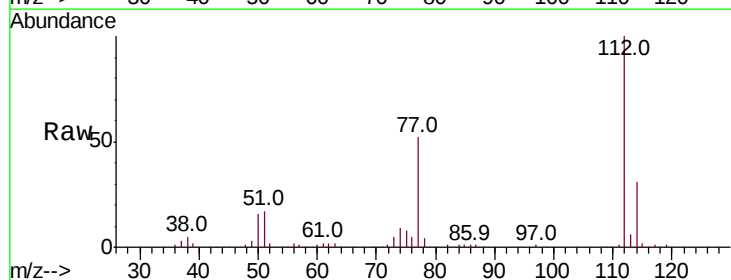
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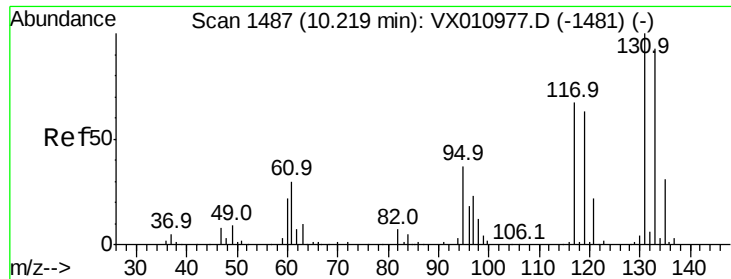
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#64
Chlorobenzene
Concen: 20.397 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX011062.D
Acq: 24 Jul 2019 17:35

Tgt Ion: 112 Resp: 126950
Ion Ratio Lower Upper
112 100
114 31.3 25.3 37.9





#65

1,1,1,2-Tetrachloroethane

Concen: 20.104 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX011062.D

Acq: 24 Jul 2019 17:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion:131 Resp: 45476

Ion Ratio Lower Upper

131 100

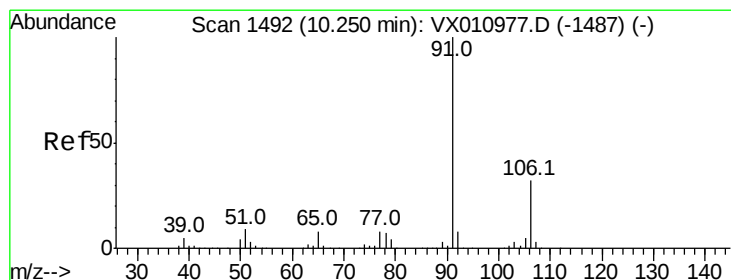
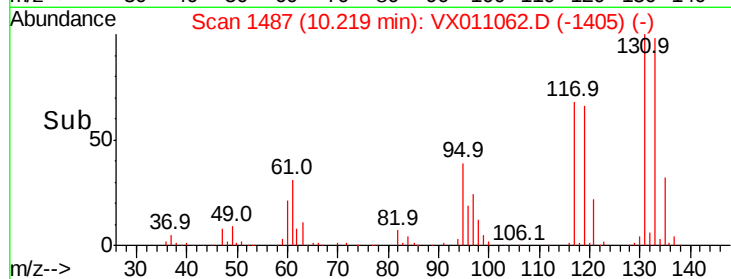
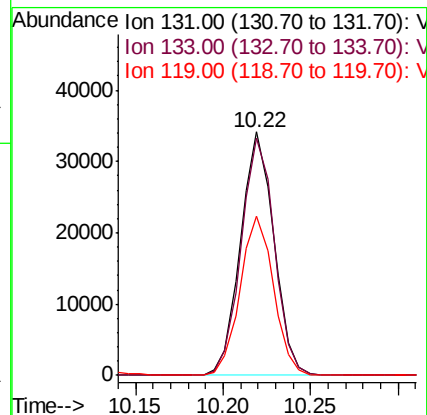
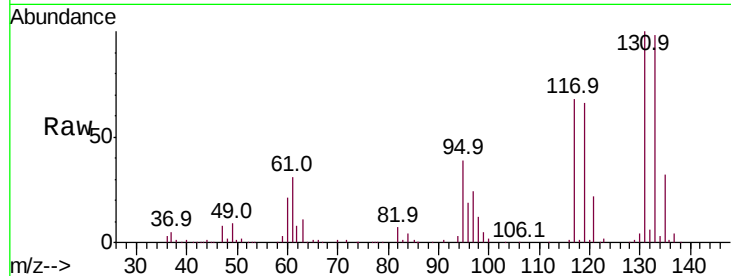
133 97.1 0.0 190.2

119 65.5 0.0 127.0

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#66

Ethyl Benzene

Concen: 19.995 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX011062.D

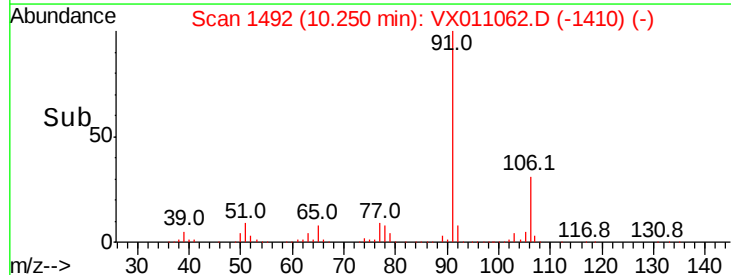
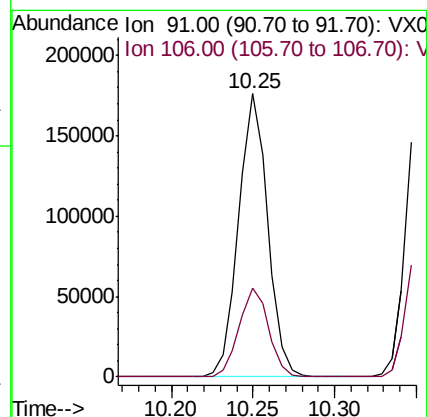
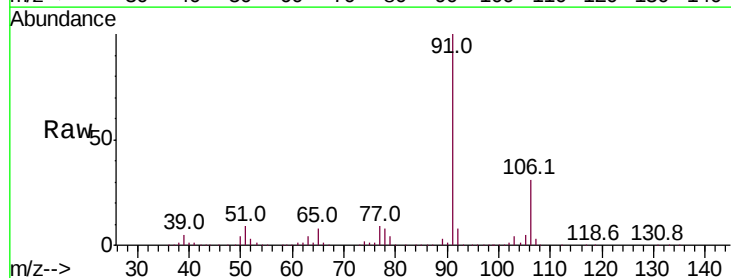
Acq: 24 Jul 2019 17:35

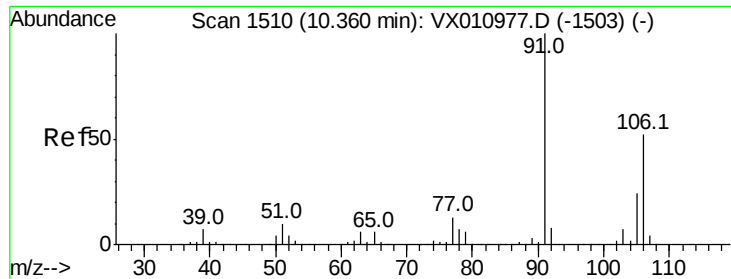
Tgt Ion: 91 Resp: 218672

Ion Ratio Lower Upper

91 100

106 31.4 25.8 38.8





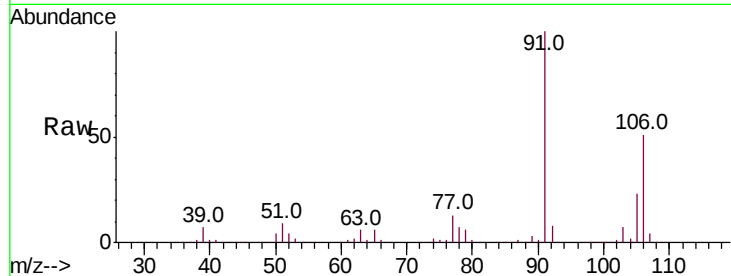
#67
m/p-Xylenes
Concen: 40.320 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX011062.D
Acq: 24 Jul 2019 17:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

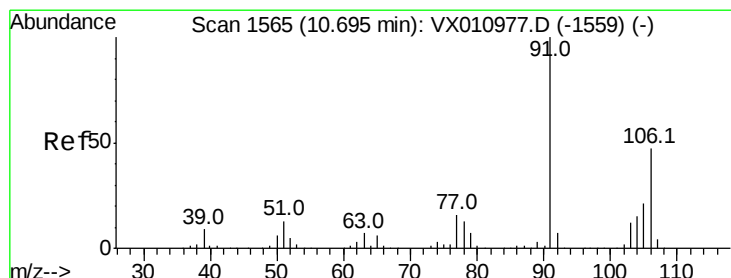
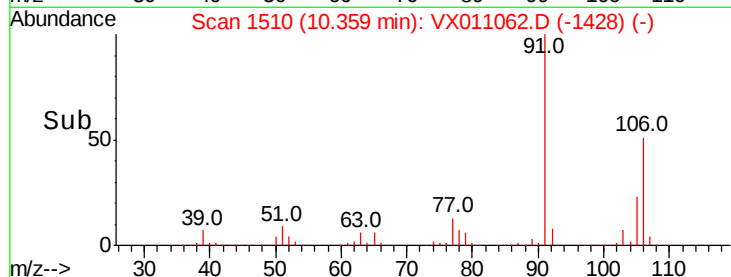
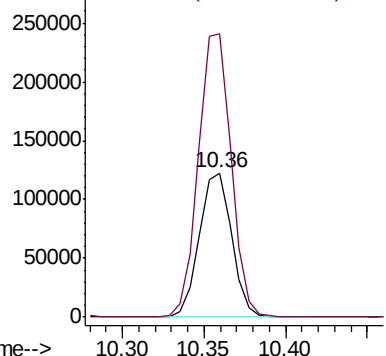
Tot Ion:106 Resp: 168702
Ion Ratio Lower Upper
106 100
91 199.2 156.6 235.0

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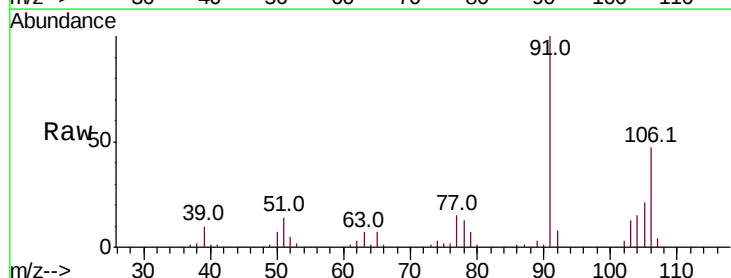


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

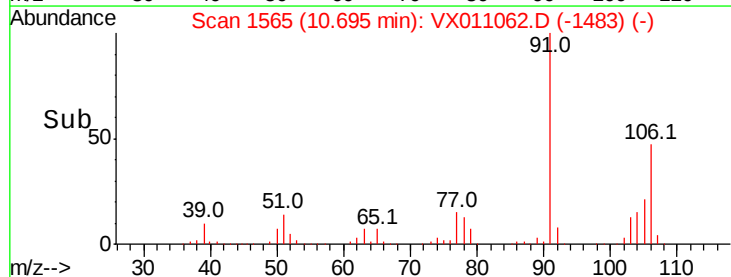
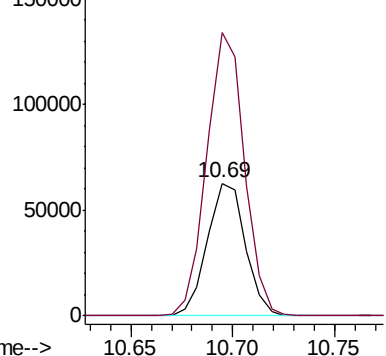


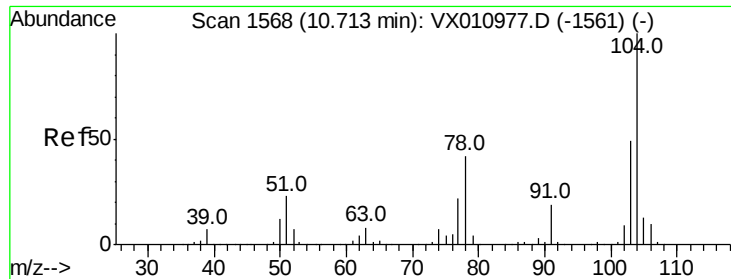
#68
o-Xylene
Concen: 19.906 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX011062.D
Acq: 24 Jul 2019 17:35

Tgt Ion:106 Resp: 81609
Ion Ratio Lower Upper
106 100
91 210.5 104.0 312.0



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





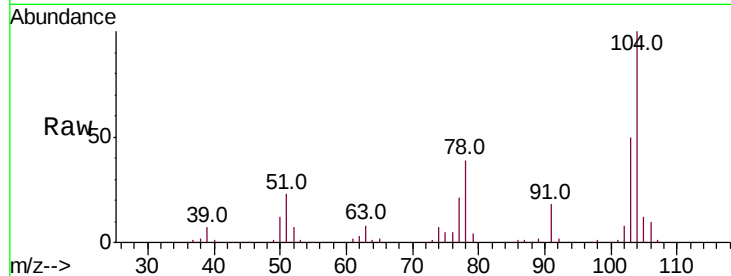
#69
Stvrene
Concen: 20.119 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX011062.D
Acq: 24 Jul 2019 17:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

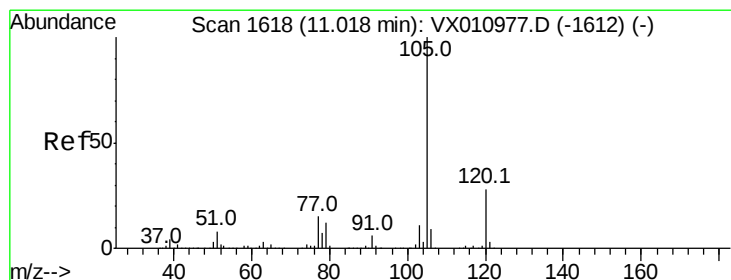
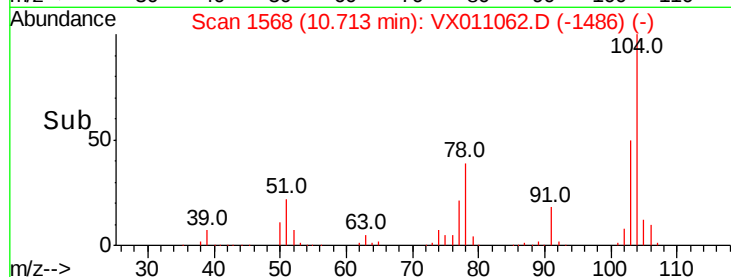
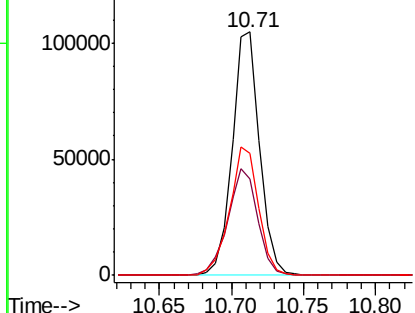
Tot Ion	Ratio	Lower	Upper
104	100		
78	48.1	38.5	57.7
103	56.2	44.6	67.0

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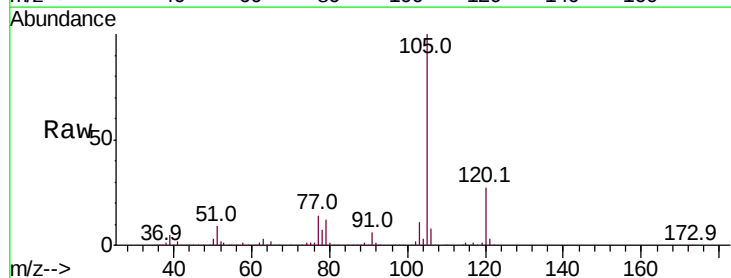


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V

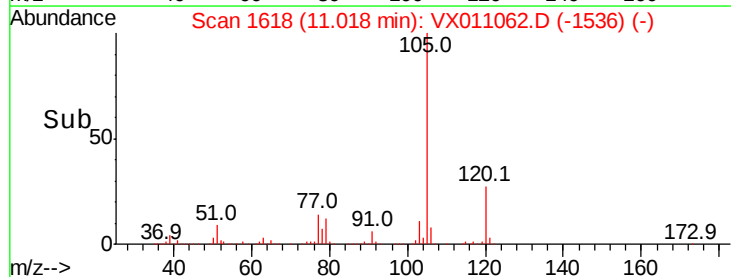
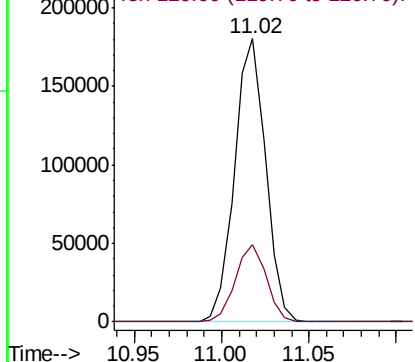


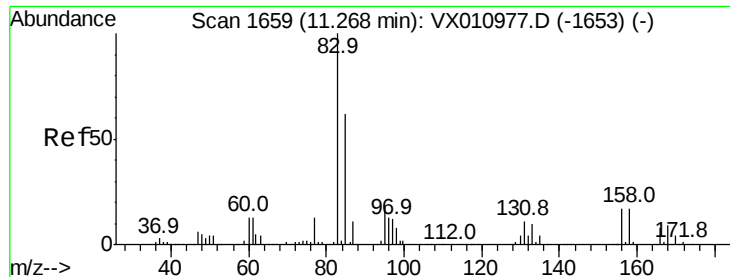
#70
Isopropylbenzene
Concen: 20.471 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX011062.D
Acq: 24 Jul 2019 17:35

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.2	19.4	36.0



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





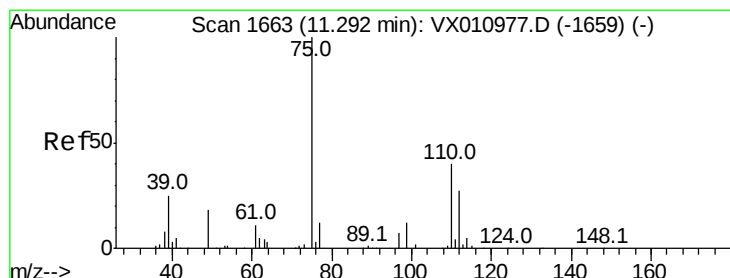
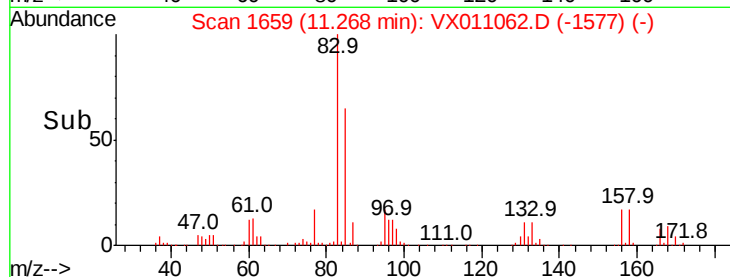
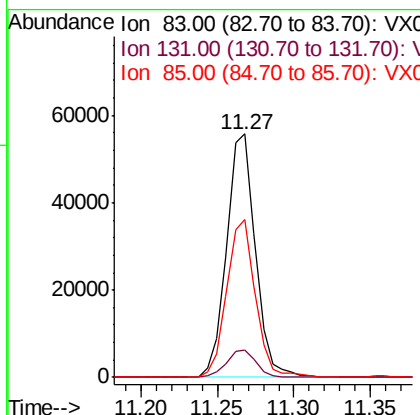
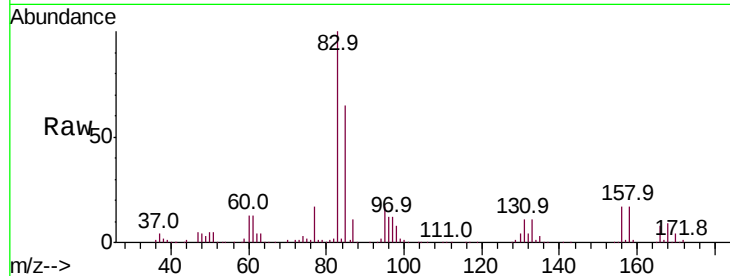
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.692 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. -0.00 min
 Lab File: VX011062.D
 Acq: 24 Jul 2019 17:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	83	Resp	72839
Ion Ratio	100	Lower	Upper
83	100		
131	11.5	5.5	16.4
85	64.6	32.1	96.3

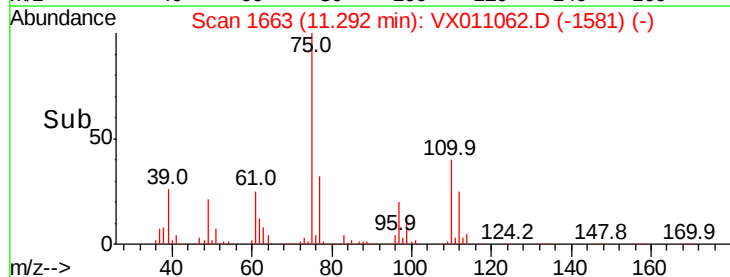
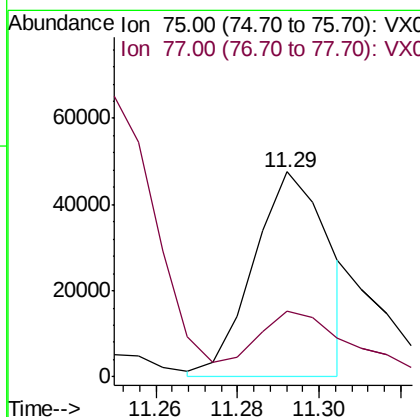
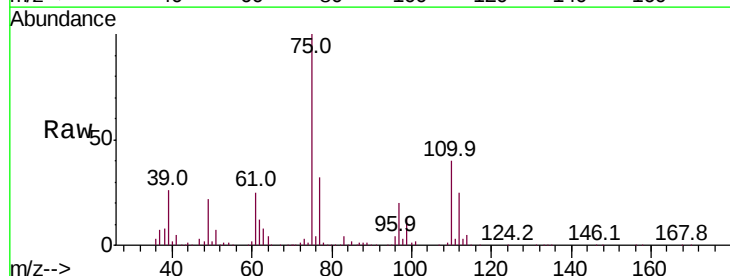
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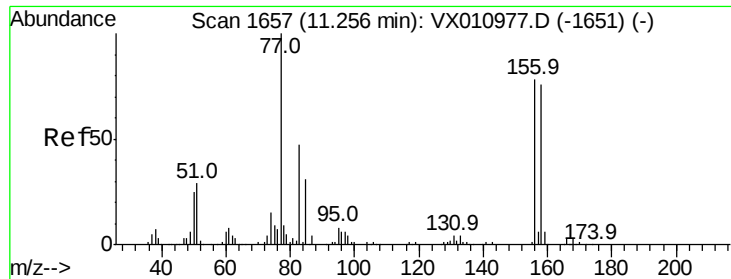
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#72
 1,2,3-Trichloropropane
 Concen: 20.765 ug/l m
 RT: 11.29 min Scan# 1663
 Delta R.T. -0.00 min
 Lab File: VX011062.D
 Acq: 24 Jul 2019 17:35

Tgt Ion	75	Resp	61013
Ion Ratio	100	Lower	Upper
75	100		
77	41.1	0.0	84.0





#73

Bromobenzene

Concen: 20.378 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX011062.D

Acq: 24 Jul 2019 17:35

Instrument :

MSVOA_X

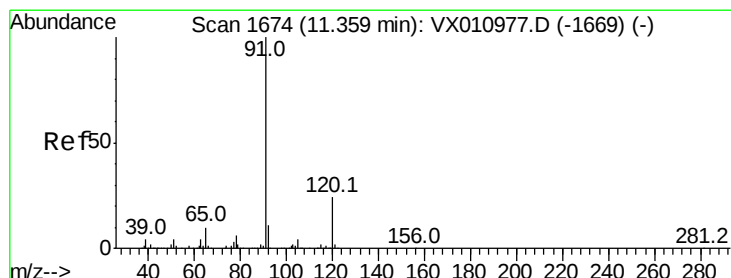
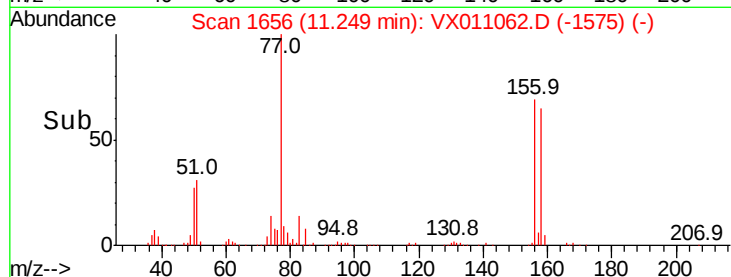
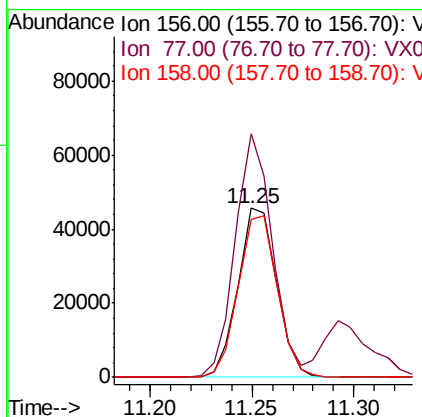
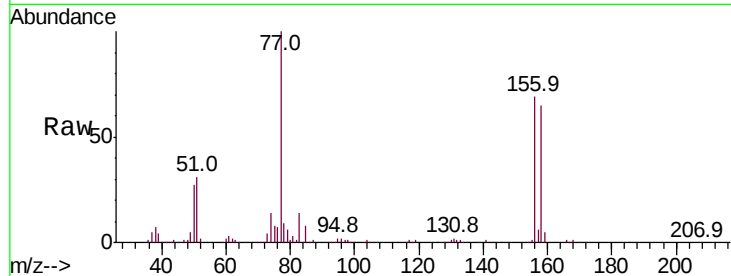
ClientSampleId :

VSTDCCC020EC

Tot Ion:156 Resp: 60024
 Ion Ratio Lower Upper
 156 100
 77 138.2 0.0 275.8
 158 97.3 0.0 195.2

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#74

n-propylbenzene

Concen: 20.461 ug/l

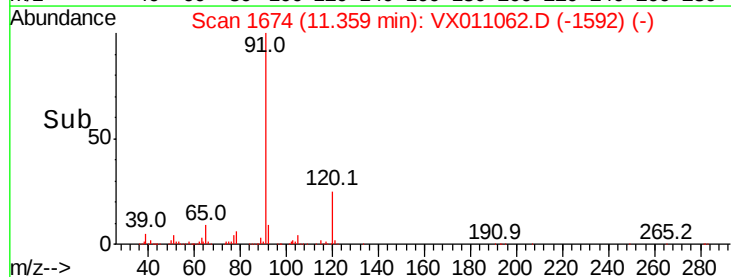
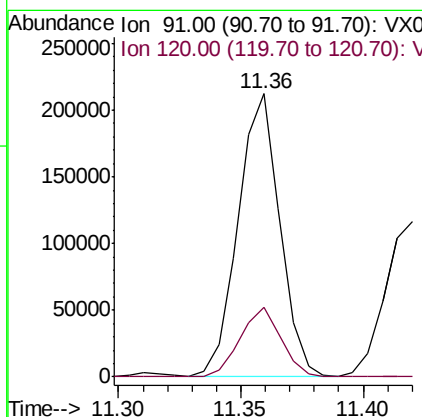
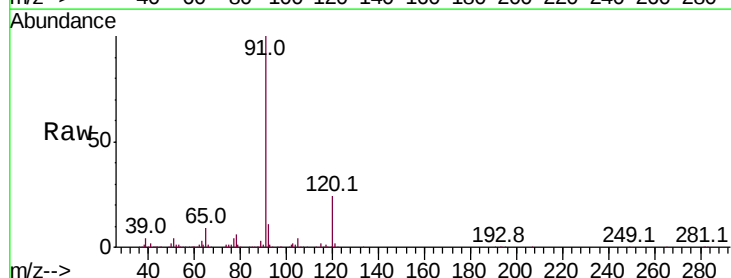
RT: 11.36 min Scan# 1674

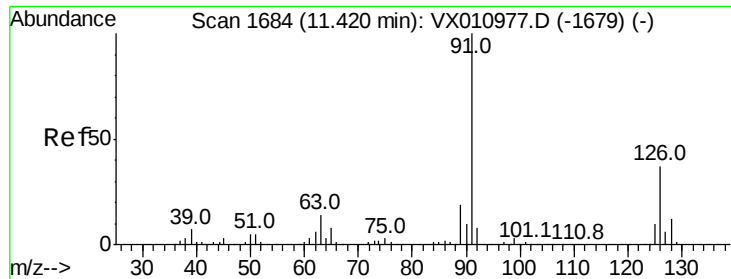
Delta R.T. -0.00 min

Lab File: VX011062.D

Acq: 24 Jul 2019 17:35

Tgt Ion: 91 Resp: 251402
 Ion Ratio Lower Upper
 91 100
 120 24.0 0.0 47.6





#75

2-Chlorotoluene

Concen: 20.361 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX011062.D

Acq: 24 Jul 2019 17:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 91 Resp: 148999

Ion Ratio Lower Upper

91 100

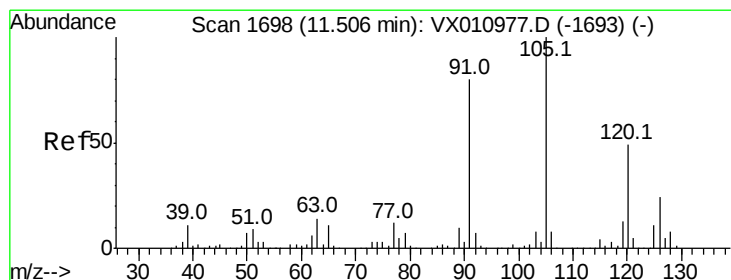
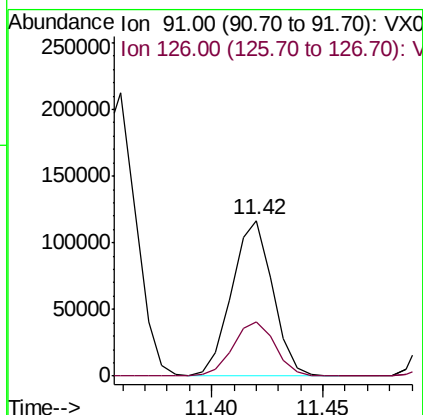
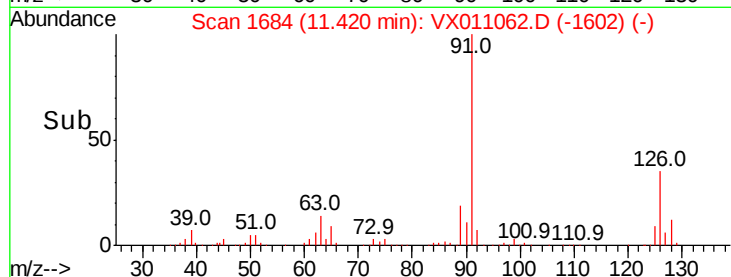
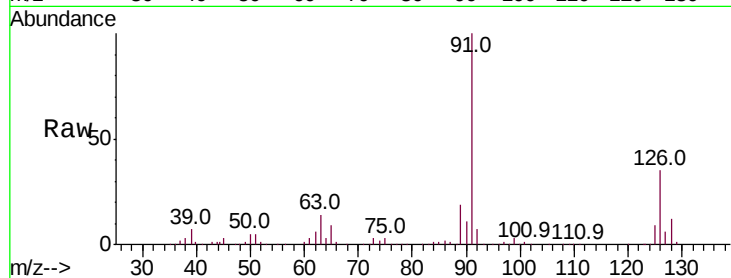
126 35.9 0.0 72.4

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 20.140 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX011062.D

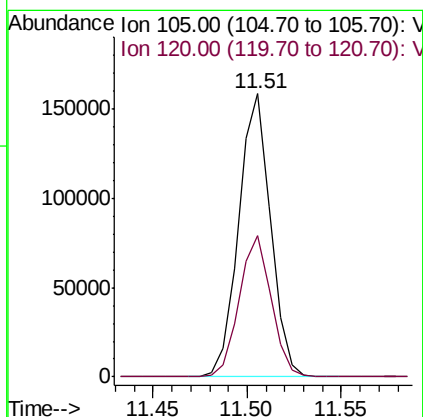
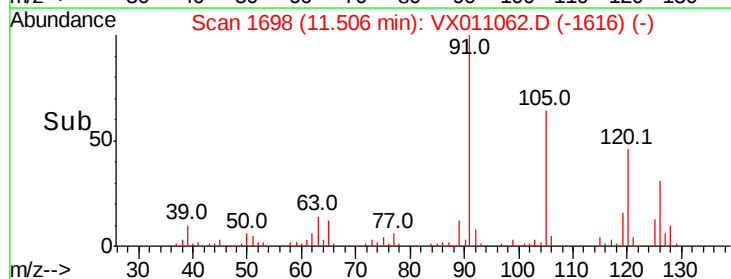
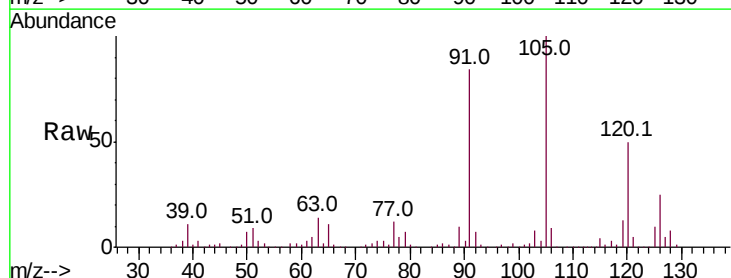
Acq: 24 Jul 2019 17:35

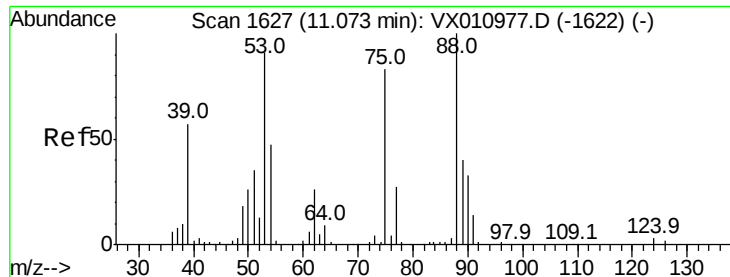
Tgt Ion: 105 Resp: 186108

Ion Ratio Lower Upper

105 100

120 50.0 0.0 96.6





#77

t-1,4-Dichloro-2-butene

Concen: 20.125 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX011062.D

Acq: 24 Jul 2019 17:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 75 Resp: 19510

Ion Ratio Lower Upper

75 100

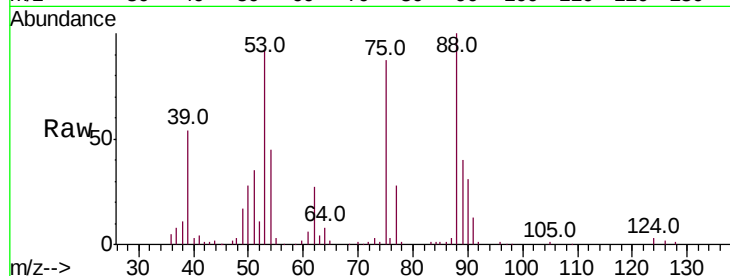
53 104.2 54.8 164.3

89 45.7 24.6 73.6

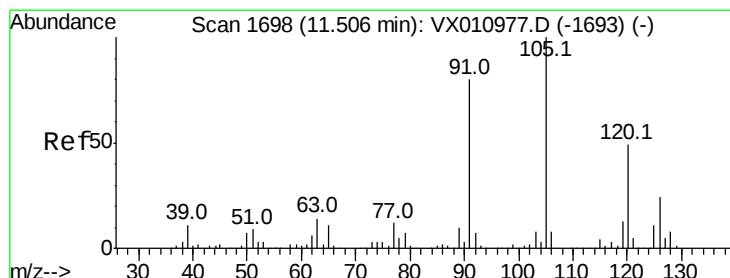
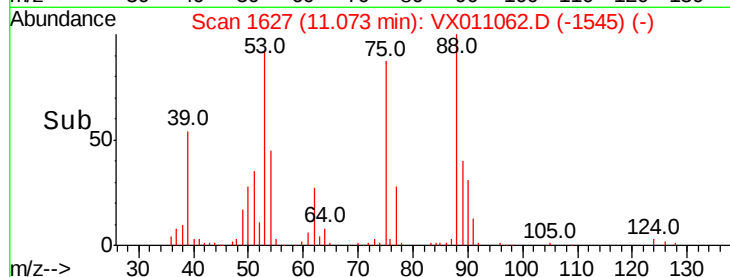
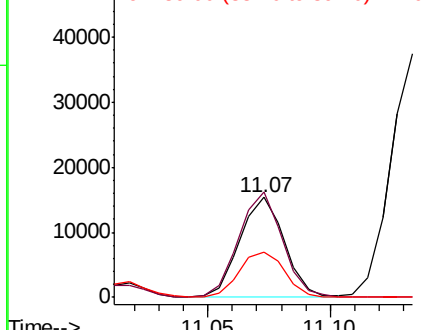
Manual Integrations
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Abundance Ion 75.00 (74.70 to 75.70): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 89.00 (88.70 to 89.70): VX0



#78

4-Chlorotoluene

Concen: 20.413 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX011062.D

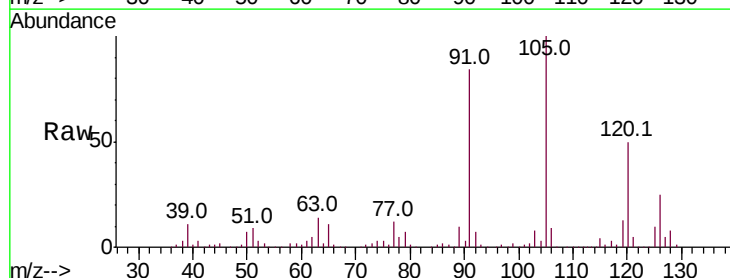
Acq: 24 Jul 2019 17:35

Tgt Ion: 91 Resp: 171558

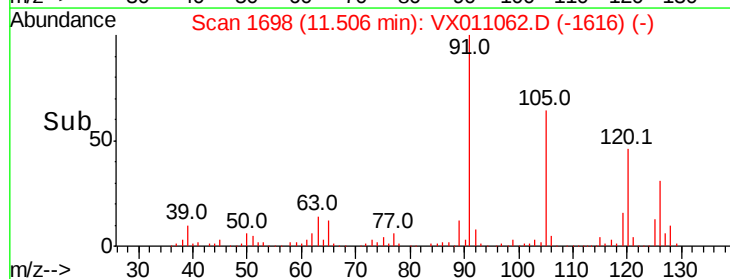
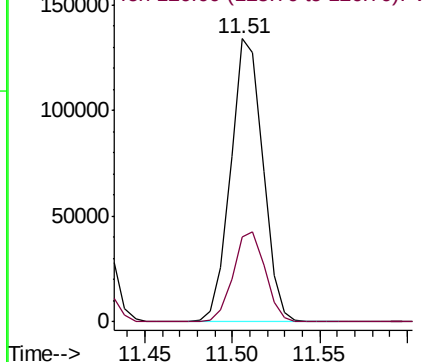
Ion Ratio Lower Upper

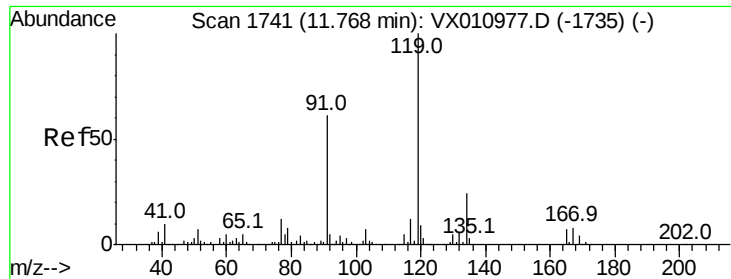
91 100

126 31.7 0.0 63.6



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





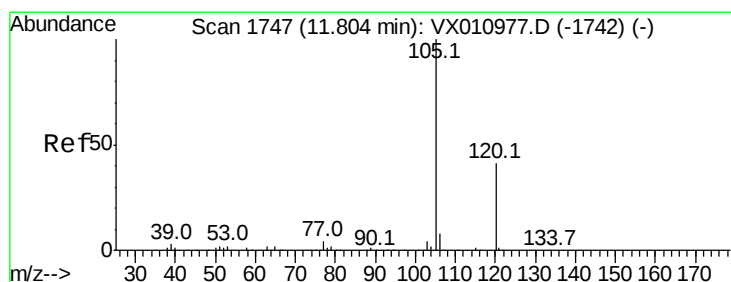
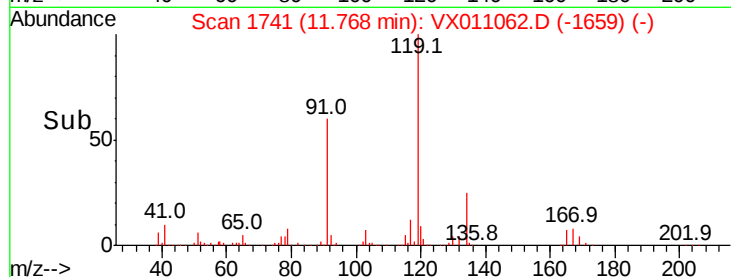
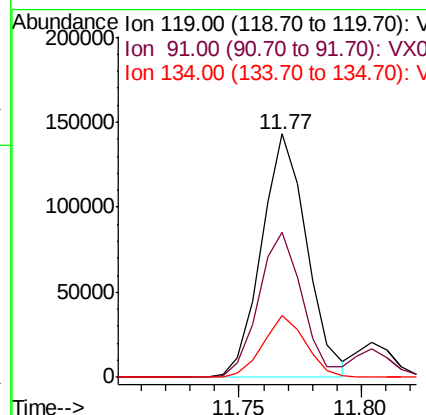
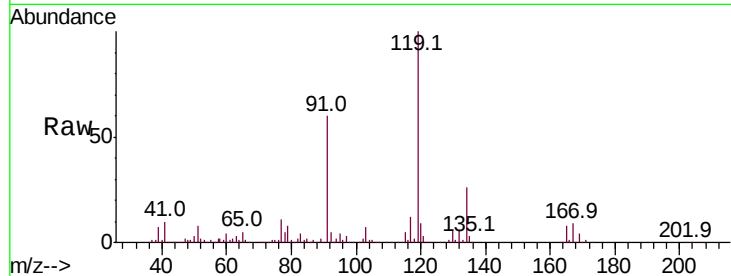
#79
tert-butylbenzene
Concen: 20.541 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX011062.D
Acq: 24 Jul 2019 17:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	184111		
91	57.9	0.0	118.4	
134	24.1	0.0	47.4	

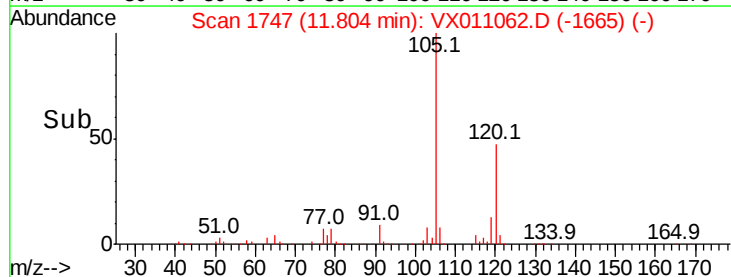
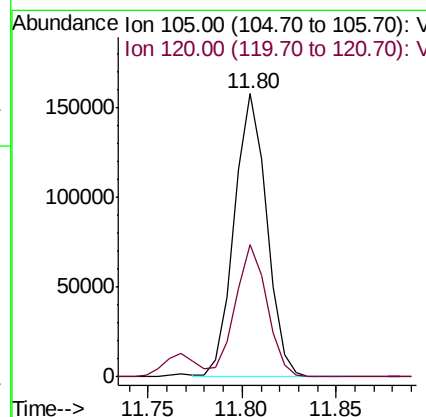
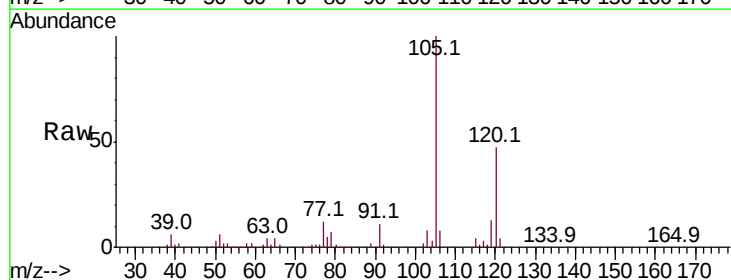
Manual Integrations
APPROVED

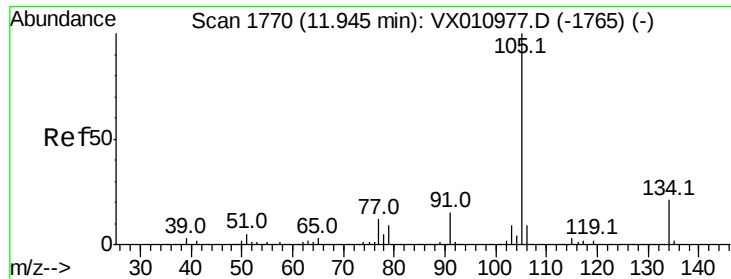
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#80
1,2,4-Trimethylbenzene
Concen: 20.183 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX011062.D
Acq: 24 Jul 2019 17:35

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	187817		
120	46.5	0.0	91.6	





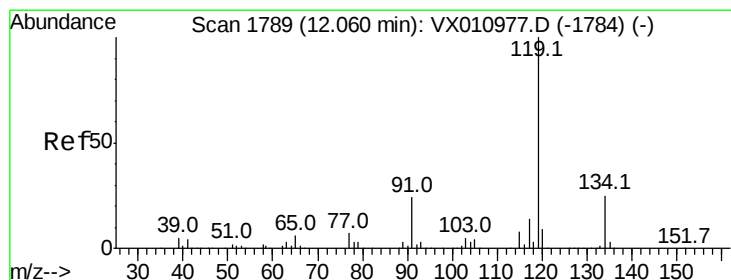
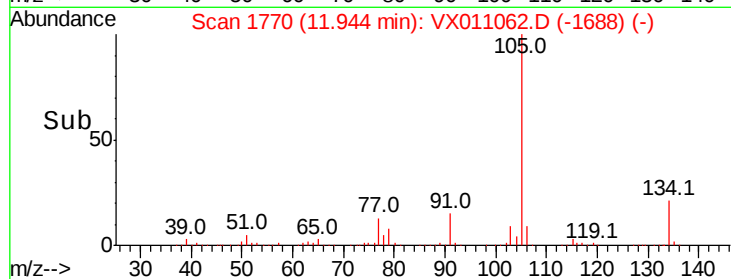
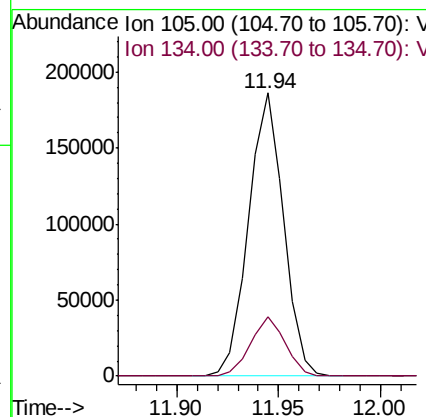
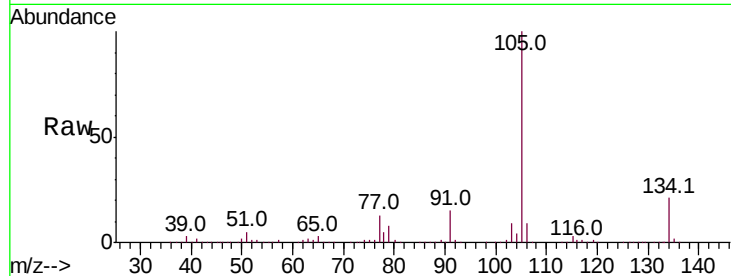
#81
 sec-Butylbenzene
 Concen: 20.950 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX011062.D
 Acq: 24 Jul 2019 17:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.9	0.0	41.8

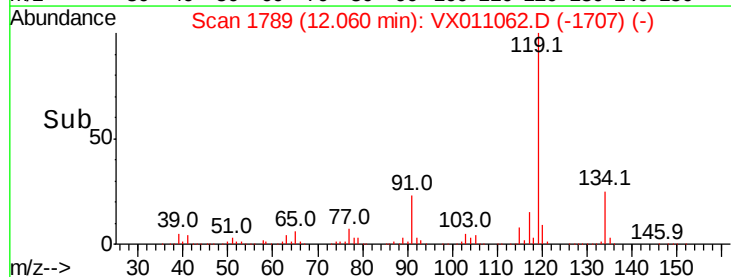
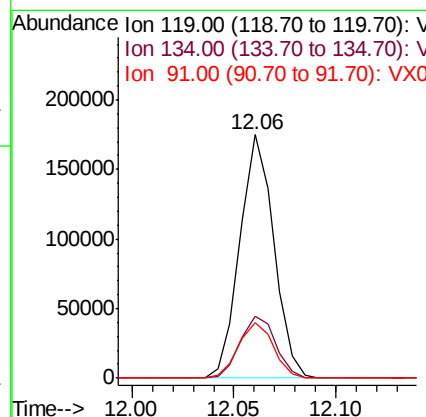
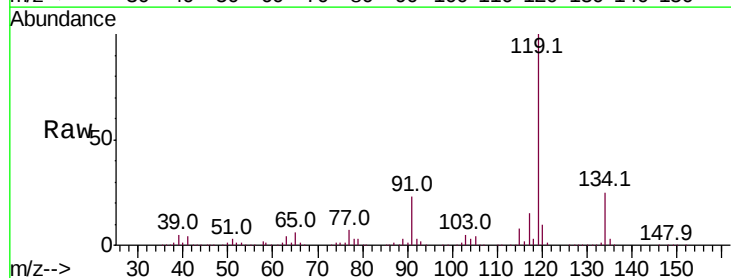
Manual Integrations
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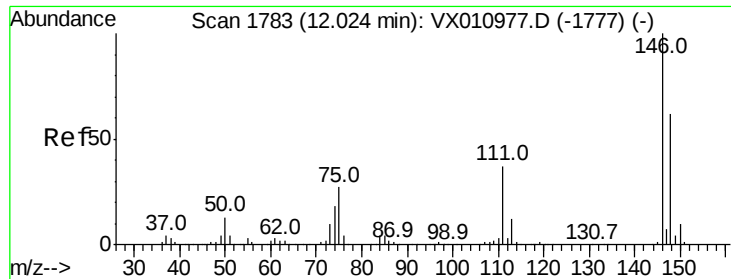
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#82
 p-Isopropyltoluene
 Concen: 20.587 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX011062.D
 Acq: 24 Jul 2019 17:35

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.7	0.0	52.8
91	23.7	0.0	47.0





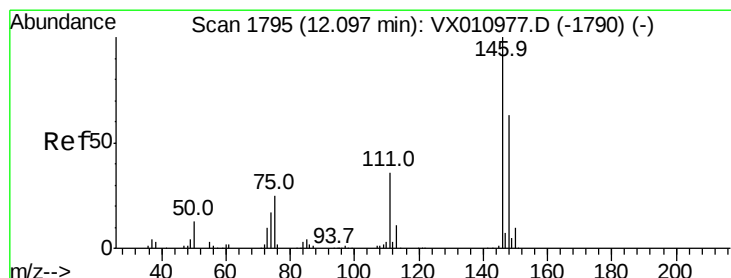
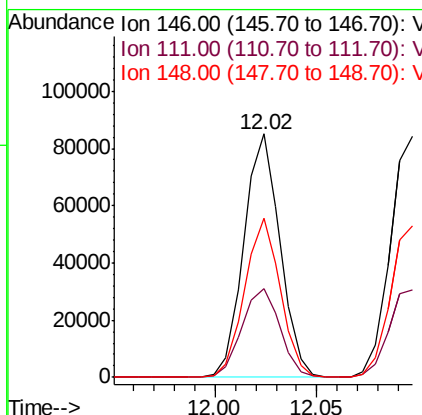
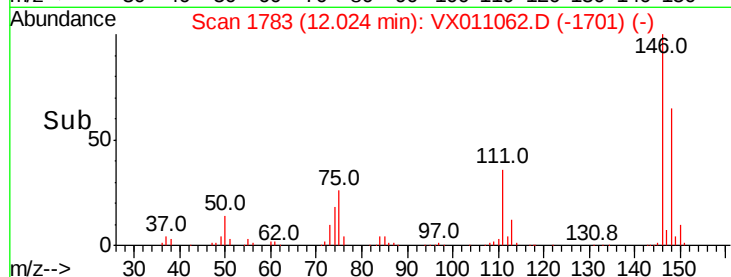
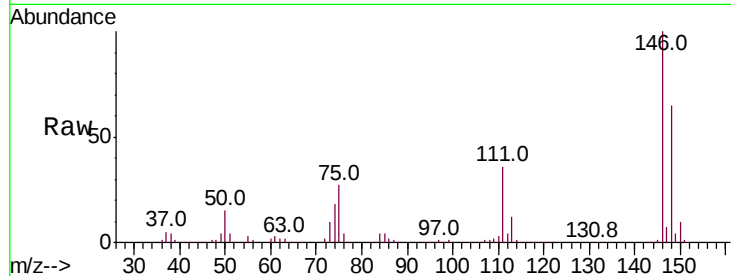
#83
 1,3-Dichlorobenzene
 Concen: 20.142 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX011062.D
 Acq: 24 Jul 2019 17:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.9	56.9
148	64.6	31.4	94.0

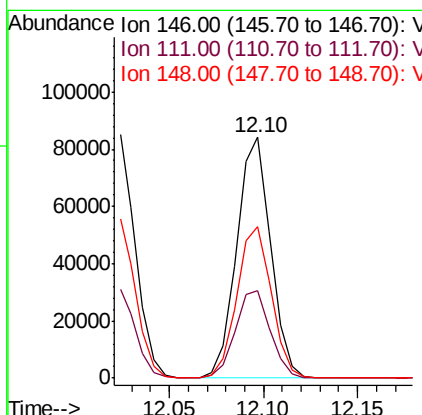
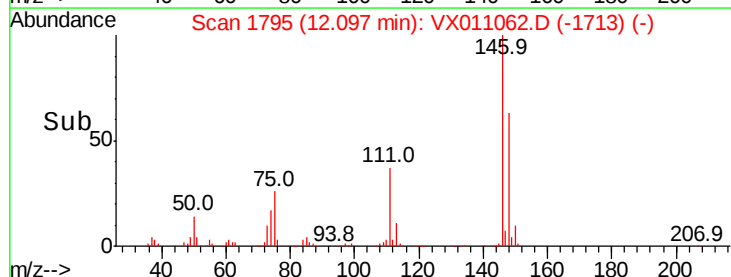
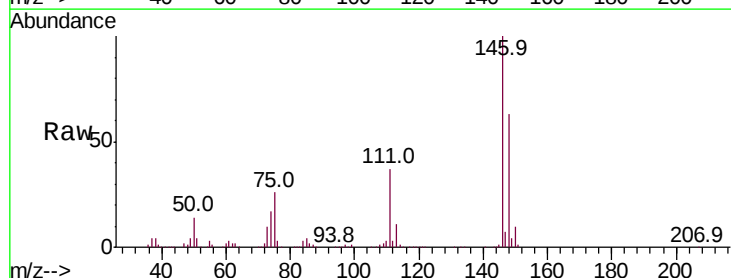
Manual Integrations
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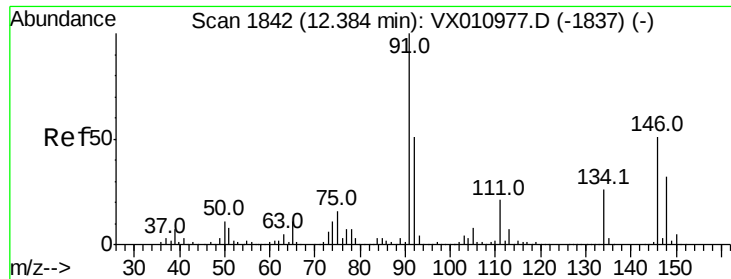
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#84
 1,4-Dichlorobenzene
 Concen: 20.342 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX011062.D
 Acq: 24 Jul 2019 17:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.5	55.5
148	63.9	32.0	96.0





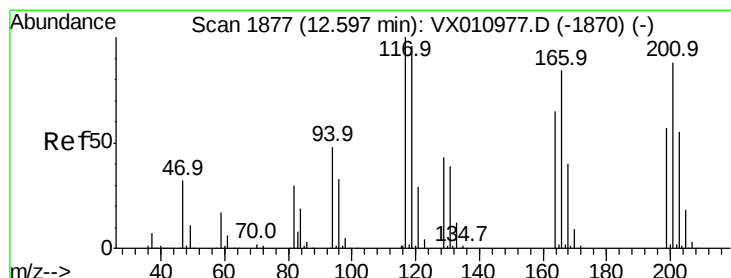
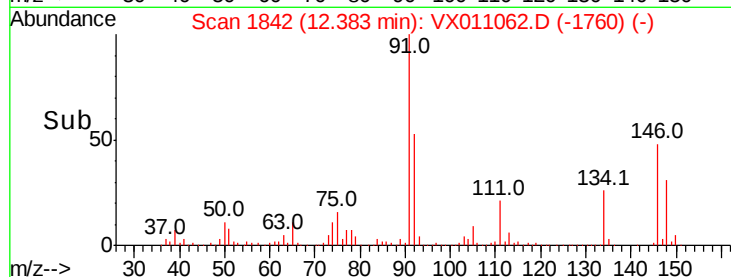
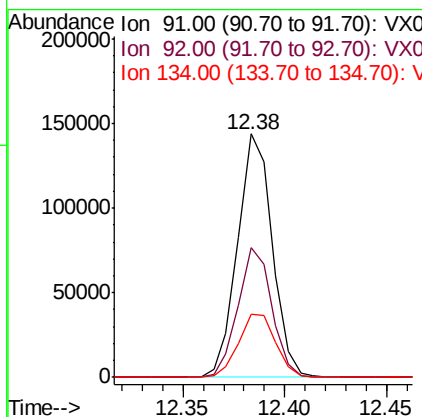
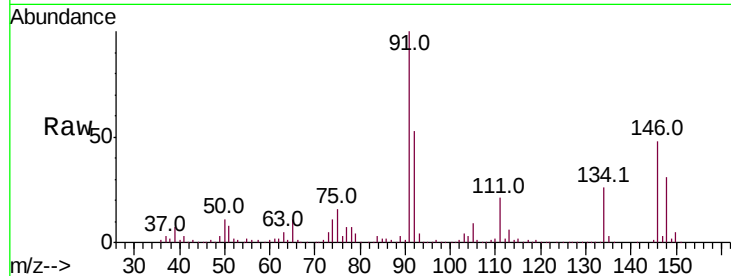
#85
n-Butylbenzene
Concen: 20.262 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX011062.D
Acq: 24 Jul 2019 17:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100	169162		
92	52.7	0.0	103.6	
134	27.6	0.0	54.2	

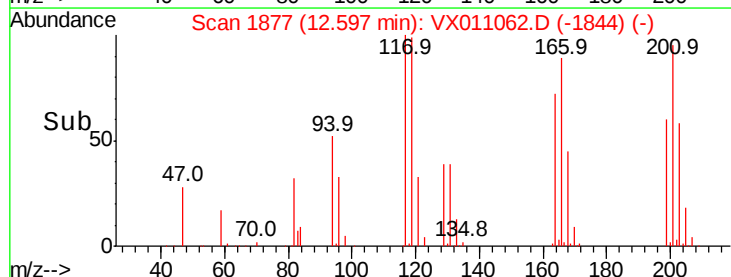
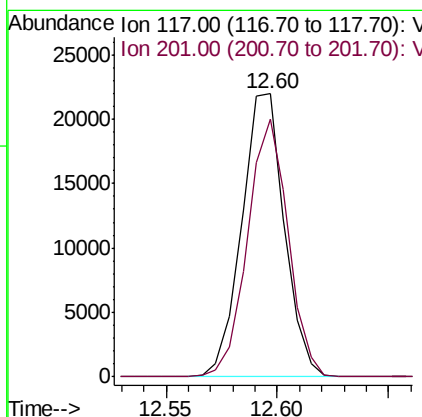
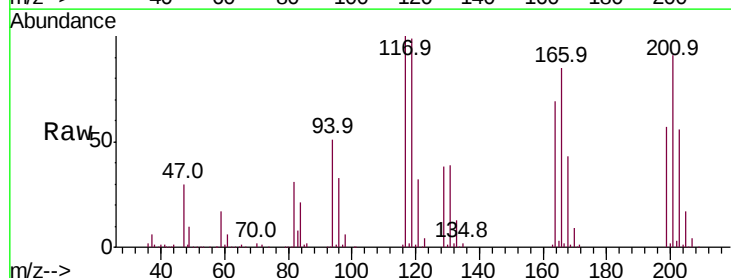
Manual Integrations
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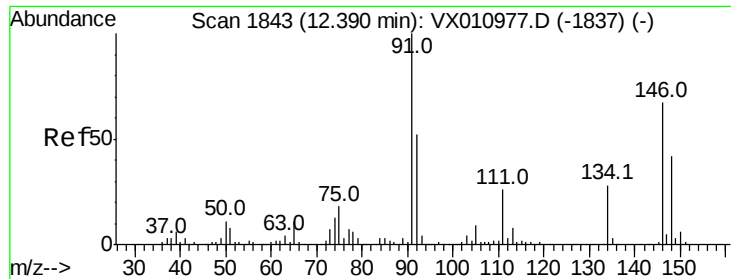
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#86
Hexachloroethane
Concen: 19.049 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX011062.D
Acq: 24 Jul 2019 17:35

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	29455		
201	86.1	42.1	126.3	





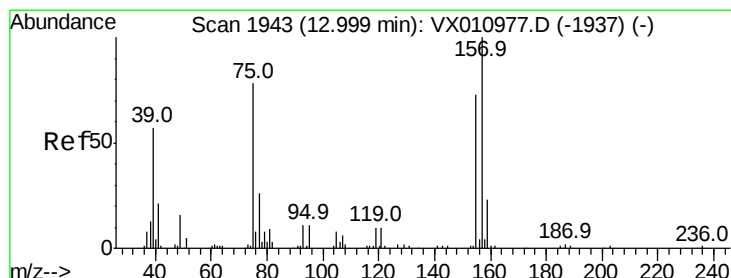
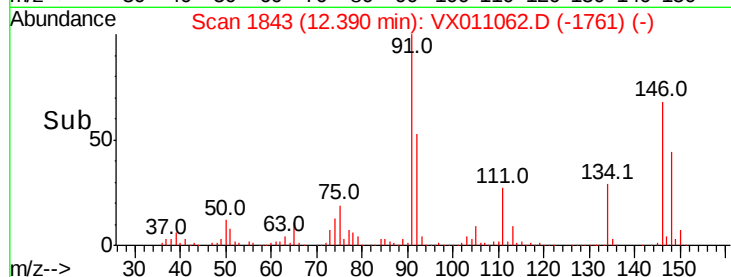
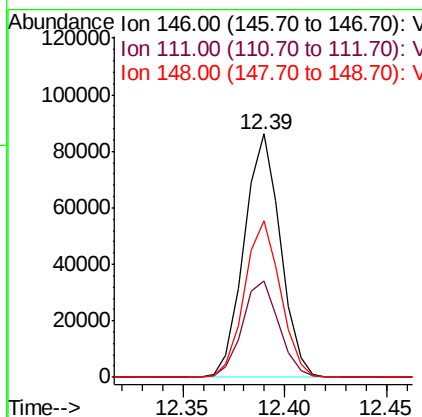
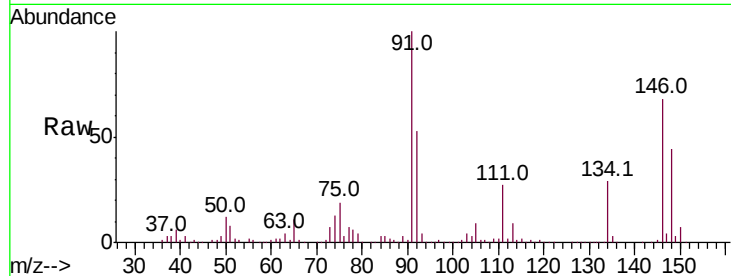
#87
 1,2-Dichlorobenzene
 Concen: 20.998 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX011062.D
 Acq: 24 Jul 2019 17:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	106901		
111	39.8		19.5	58.5
148	63.8		31.5	94.5

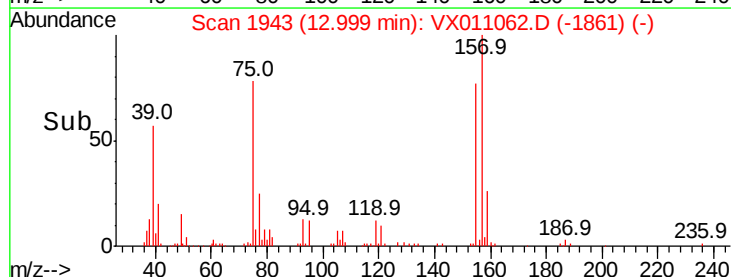
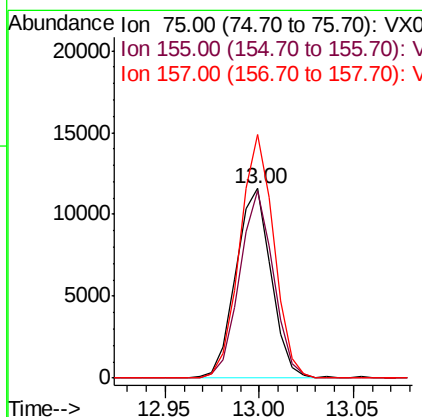
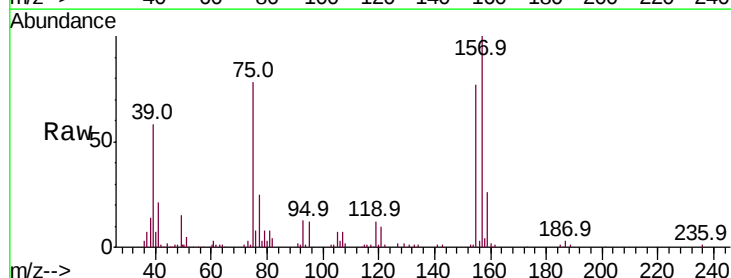
Manual Integrations
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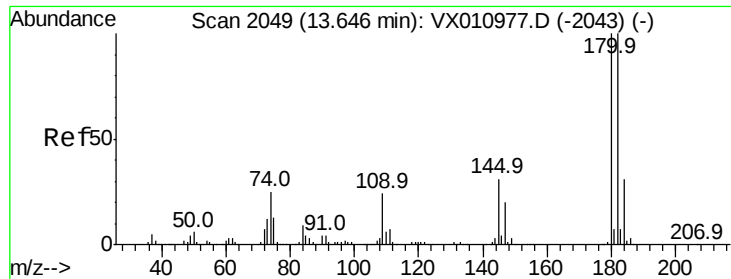
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.376 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX011062.D
 Acq: 24 Jul 2019 17:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	15016		
155	94.6		76.6	115.0
157	123.9		101.0	151.4





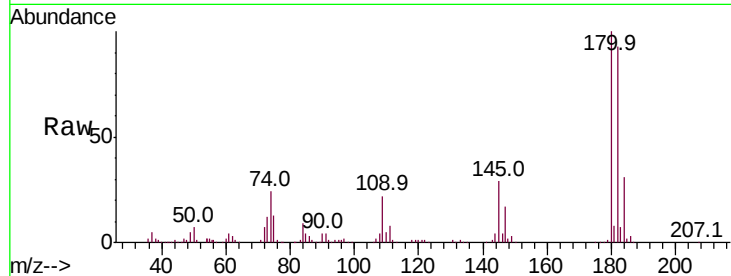
#89
 1,2,4-Trichlorobenzene
 Concen: 20.294 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX011062.D
 Acq: 24 Jul 2019 17:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	77.6	116.4
145	29.5	23.8	35.6

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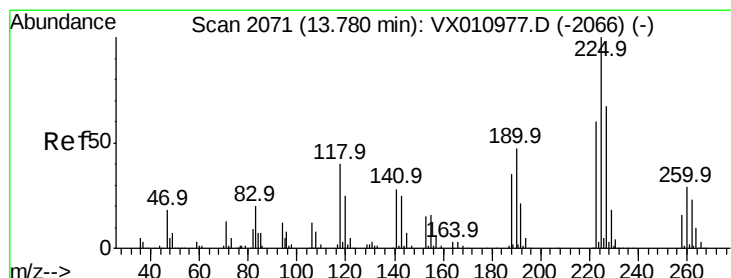
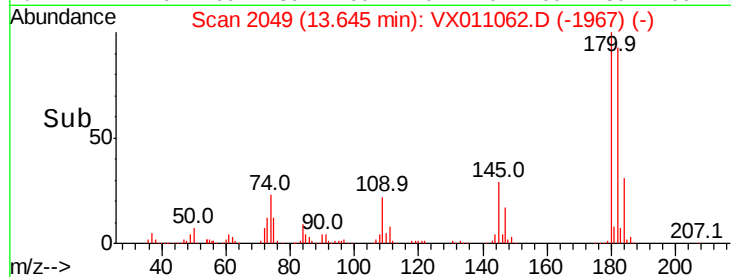
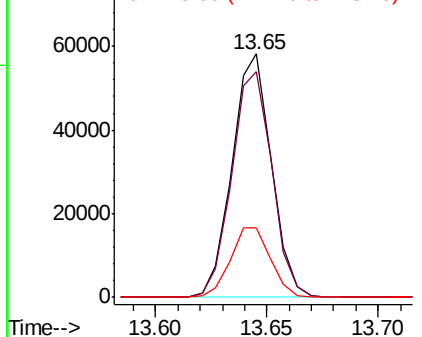


Abundance

Ion 180.00 (179.70 to 180.70): V

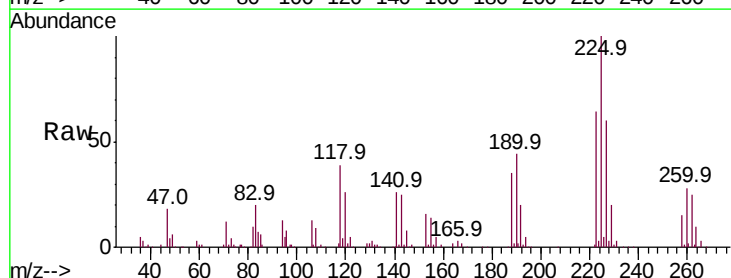
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90
 Hexachlorobutadiene
 Concen: 21.281 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX011062.D
 Acq: 24 Jul 2019 17:35

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	0.0	121.4
227	62.1	0.0	126.6

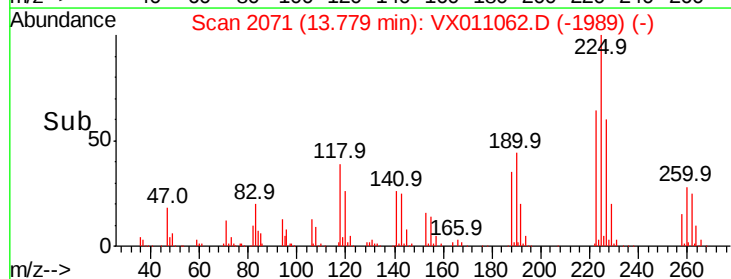
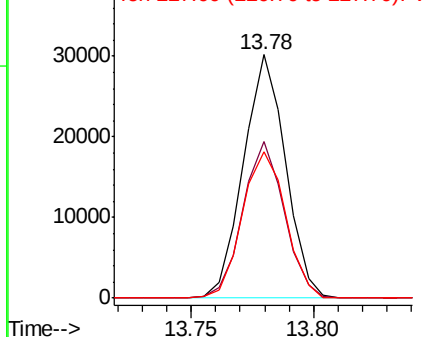


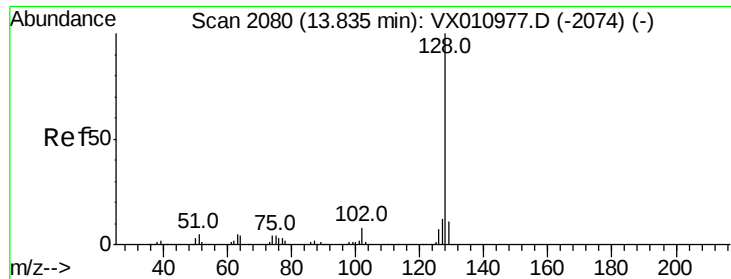
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





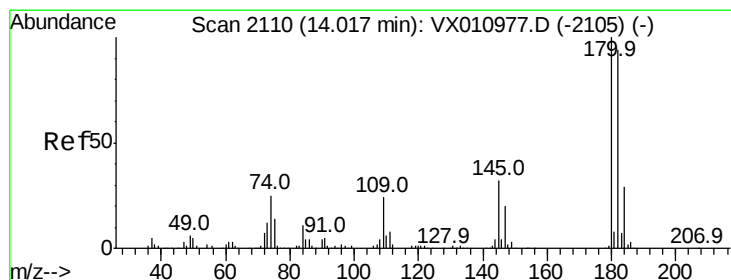
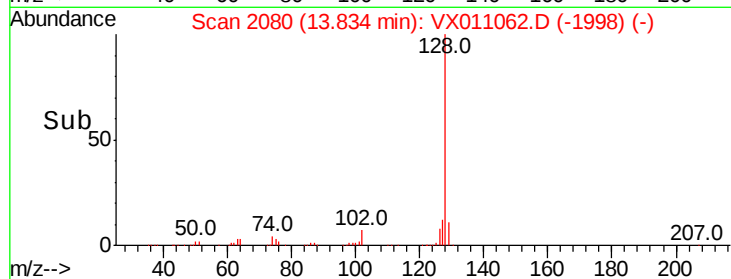
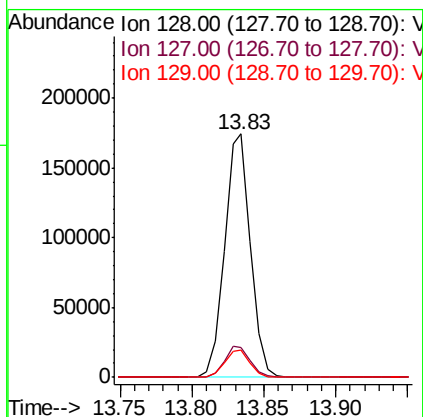
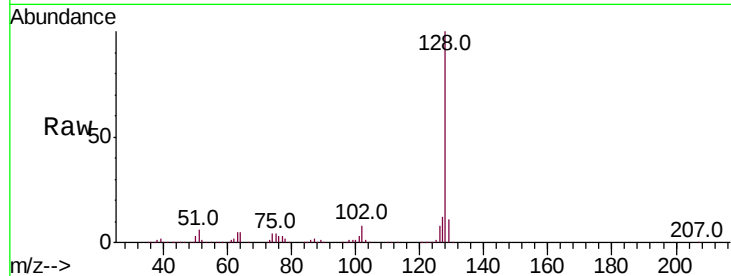
#91
Naphthalene
Concen: 20.500 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX011062.D
Acq: 24 Jul 2019 17:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	11.0	8.5	12.7

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#92
1,2,3-Trichlorobenzene
Concen: 21.130 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX011062.D
Acq: 24 Jul 2019 17:35

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.8	0.0	190.2
145	31.0	0.0	63.8

