

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050219\
 Data File : VX009271.D
 Acq On : 02 May 2019 12:42
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 5/3/2019 11:19:53 AM

Quant Time: May 03 07:31:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X050119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 02 06:46:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	30383	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	177968	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	158050	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	74558	29.58	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.60%
60) 4-Bromofluorobenzene	11.13	95	80400	29.94	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.80%
63) Toluene-d8	8.71	98	226119	30.18	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	32388	20.061	ug/l 98
3) Chloromethane	1.32	50	43938	20.247	ug/l 99
4) Vinyl Chloride	1.40	62	42385	19.578	ug/l 99
5) Bromomethane	1.64	94	25617	18.667	ug/l 94
6) Chloroethane	1.72	64	26661	18.779	ug/l 99
7) Trichlorofluoromethane	1.93	101	53308	19.941	ug/l 100
8) Diethyl Ether	2.18	74	24221	19.513	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	33620	20.313	ug/l 99
10) 1,1-Dichloroethene	2.37	96	33277	20.024	ug/l 97
11) Methyl Iodide	2.51	142	34406	19.045	ug/l 98
12) Methyl Acetate	2.77	43	60077	19.193	ug/l 98
13) Acrolein	2.29	56	37986	88.479	ug/l 100
14) Acrylonitrile	3.14	53	133295	98.124	ug/l 98
15) Acetone	2.44	58	35999	92.299	ug/l 97
16) Carbon Disulfide	2.57	76	88597	19.704	ug/l 98
17) Allyl chloride	2.73	41	77865	19.516	ug/l 98
18) Methylene Chloride	2.85	84	40299	20.065	ug/l 94
19) trans-1,2-Dichloroethene	3.17	96	35233	19.884	ug/l 98
20) Diisopropyl ether	3.85	45	154130	19.617	ug/l 97
21) 1,1-Dichloroethane	3.70	63	74599	19.620	ug/l 100
22) cis-1,2-Dichloroethene	4.60	96	41978	19.668	ug/l 98
23) tert-Butyl Alcohol	3.04	59	54410	94.724	ug/l # 100
24) Methyl tert-Butyl Ether	3.19	73	127798	19.650	ug/l 99
25) Chloroform	5.21	83	69221	19.949	ug/l 99
26) Cyclohexane	5.57	56	71257	20.108	ug/l # 97
29) 1,1-Dichloropropene	5.80	75	51585	19.754	ug/l 100
30) 2-Butanone	4.67	43	197775	96.707	ug/l 100
31) 2,2-Dichloropropane	4.58	77	53804	18.689	ug/l 99
32) 1,1,1-Trichloroethane	5.49	97	56363	19.910	ug/l 98
33) Carbon Tetrachloride	5.78	117	46282	19.540	ug/l 98
34) Benzene	6.14	78	160946	19.991	ug/l 99
35) Methacrylonitrile	5.04	41	43248	20.213	ug/l 96
36) 1,2-Dichloroethane	6.19	62	58396	19.990	ug/l 99
37) Trichloroethene	7.21	130	38198	19.710	ug/l 89
38) Methylcyclohexane	7.46	83	65548	20.317	ug/l 99
39) 1,2-Dichloropropane	7.51	63	44446	19.386	ug/l 98
40) Dibromomethane	7.66	93	26239	20.165	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	52285	19.671	ug/l	97
42) Vinyl Acetate	3.81	43	673231	99.742	ug/l	99
43) Ethyl Acetate	4.83	43	73233	19.817	ug/l	99
44) Isopropyl Acetate	6.44	43	115207	19.244	ug/l	99
45) 1,4-Dioxane	7.74	88	23319	396.743	ug/l	98
46) Methyl methacrylate	7.77	41	58023	19.418	ug/l	95
47) n-amyl Acetate	10.90	43	102244	18.959	ug/l	99
48) t-1,3-Dichloropropene	9.04	75	58979	19.018	ug/l	95
49) cis-1,3-Dichloropropene	8.43	75	65421	19.216	ug/l	98
50) 1,1,2-Trichloroethane	9.21	97	39929	20.029	ug/l	98
51) Ethyl methacrylate	9.18	69	71597	19.434	ug/l	97
52) 1,3-Dichloropropane	9.37	76	69650	19.686	ug/l	100
53) Dibromochloromethane	9.58	129	38777	19.531	ug/l	99
54) 1,2-Dibromoethane	9.67	107	39910	19.519	ug/l	99
55) 2-Chloroethyl vinyl ether	8.31	63	184640	94.054	ug/l	100
56) Bromoform	10.85	173	28524	18.715	ug/l	98
58) 4-Methyl-2-Pentanone	8.64	43	383683	98.728	ug/l	99
59) 2-Hexanone	9.49	43	295799	97.041	ug/l	100
61) Tetrachloroethene	9.34	164	35762	20.525	ug/l	99
62) Toluene	8.78	91	169975	20.126	ug/l	100
64) Chlorobenzene	10.13	112	100362	19.745	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.22	131	36568	19.649	ug/l	99
66) Ethyl Benzene	10.25	91	187231	19.900	ug/l	99
67) m/p-Xylenes	10.36	106	137809	40.118	ug/l	100
68) o-Xylene	10.69	106	67130	19.875	ug/l	100
69) Styrene	10.71	104	117497	19.816	ug/l	100
70) Isopropylbenzene	11.02	105	184200	20.278	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.27	83	65679	19.743	ug/l	99
72) 1,2,3-Trichloropropane	11.29	75	57415m	20.027	ug/l	
73) Bromobenzene	11.26	156	43750	19.493	ug/l	98
74) n-propylbenzene	11.36	91	211711	20.112	ug/l	100
75) 2-Chlorotoluene	11.42	91	125657	19.902	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	154337	20.058	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	20832	18.015	ug/l	97
78) 4-Chlorotoluene	11.51	91	142748	19.906	ug/l	99
79) tert-butylbenzene	11.77	119	147821	19.872	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	154497	20.033	ug/l	98
81) sec-Butylbenzene	11.94	105	179867	20.352	ug/l	99
82) p-Isopropyltoluene	12.06	119	160805	20.003	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	78670	19.628	ug/l	100
84) 1,4-Dichlorobenzene	12.10	146	78956	19.772	ug/l	98
85) n-Butylbenzene	12.38	91	145750	19.813	ug/l	98
86) Hexachloroethane	12.60	117	25970	18.984	ug/l	96
87) 1,2-Dichlorobenzene	12.39	146	79076	19.599	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.00	75	14815	19.164	ug/l	99
89) 1,2,4-Trichlorobenzene	13.65	180	56728	19.726	ug/l	99
90) Hexachlorobutadiene	13.78	225	28633	19.933	ug/l	99
91) Naphthalene	13.83	128	190847	20.269	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	60143	20.574	ug/l	100

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VSTDCCC020EC

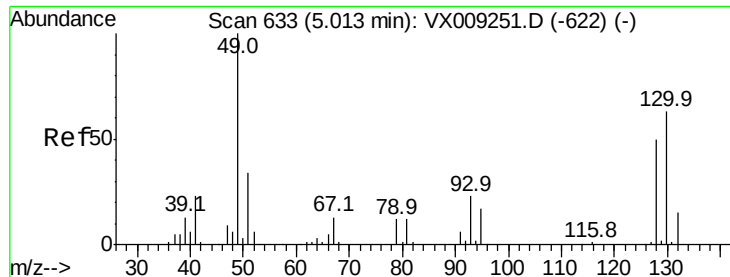
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 633

Delta R.T. 0.00 min

Lab File: VX009271.D

Acq: 02 May 2019 12:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion:128 Resp: 30383

Ion Ratio Lower Upper

128 100

49 201.9 0.0 515.0

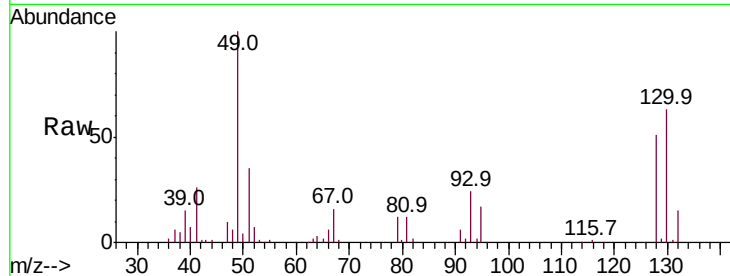
130 130.0 0.0 323.3

Manual Integrations

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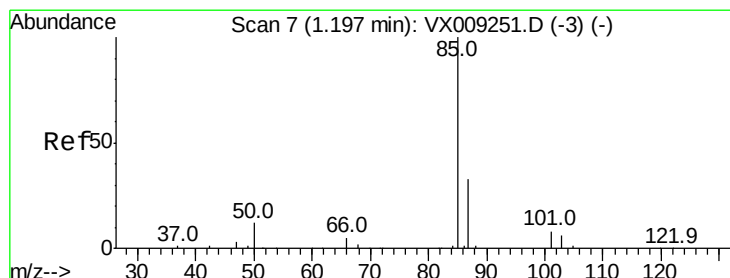
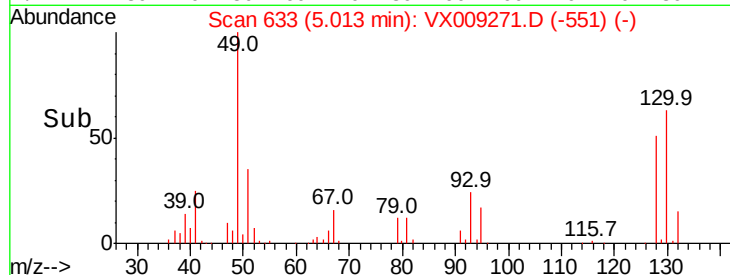
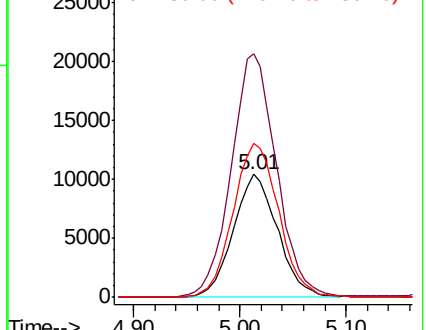
5/3/2019 11:19:53 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 20.061 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009271.D

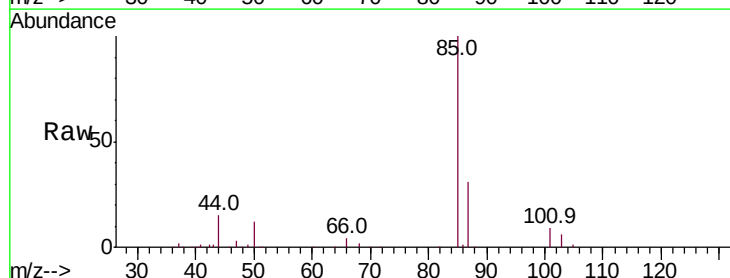
Acq: 02 May 2019 12:42

Tgt Ion: 85 Resp: 32388

Ion Ratio Lower Upper

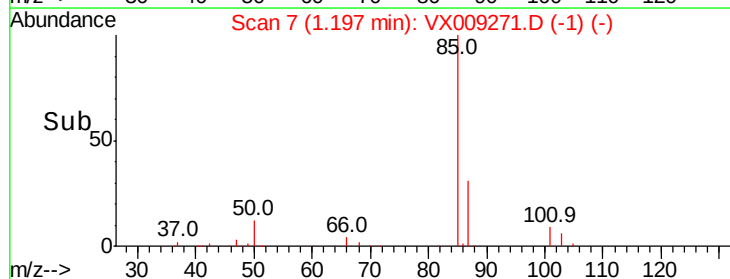
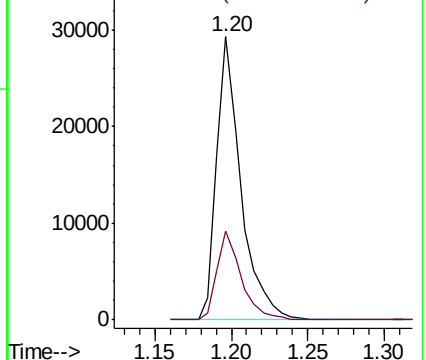
85 100

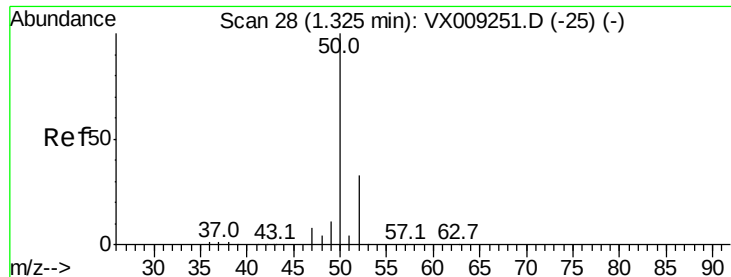
87 31.5 16.3 48.9



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 20.247 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009271.D

Acq: 02 May 2019 12:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 50 Resp: 43938

Ion Ratio Lower Upper

50 100

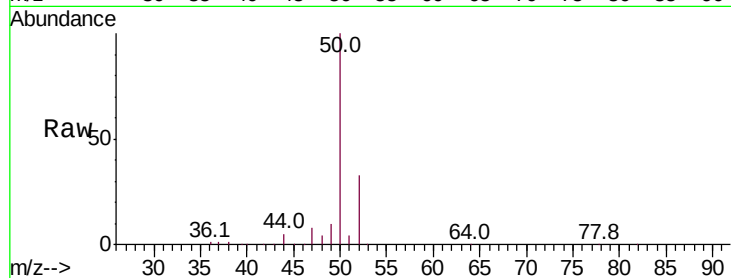
52 33.3 26.3 39.5

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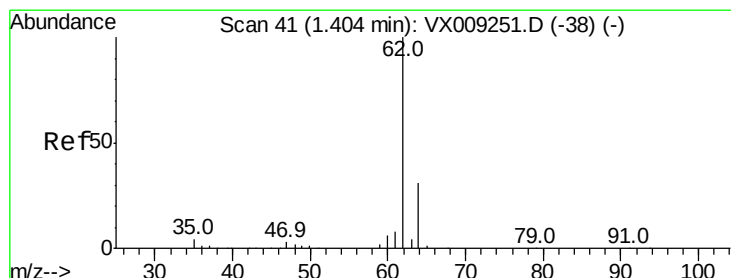
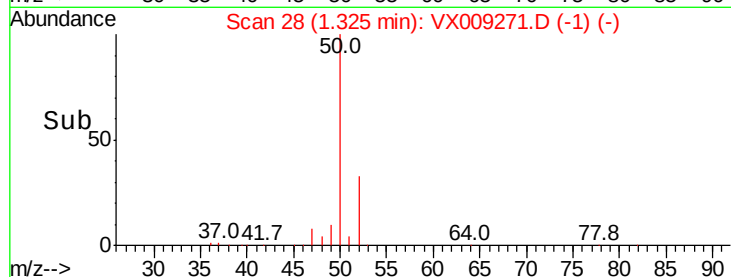
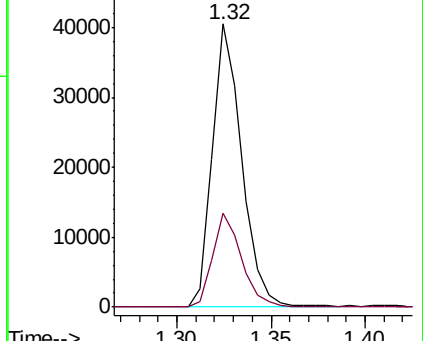
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Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#4

Vinyl Chloride

Concen: 19.578 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX009271.D

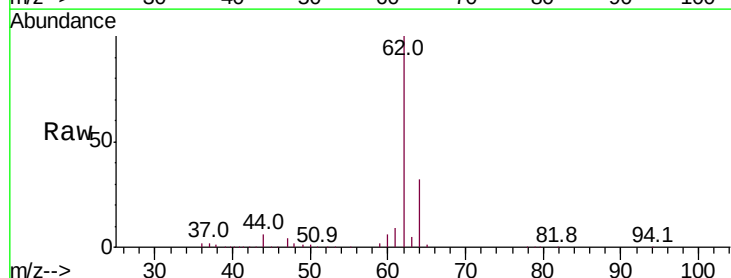
Acq: 02 May 2019 12:42

Tgt Ion: 62 Resp: 42385

Ion Ratio Lower Upper

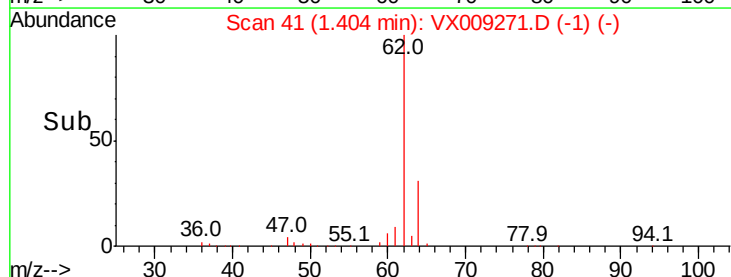
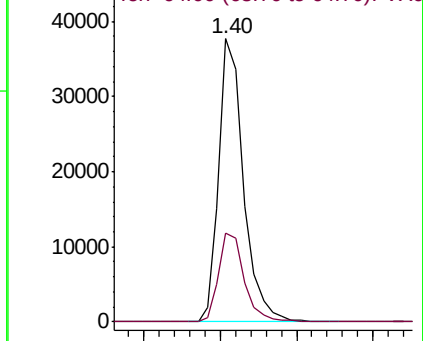
62 100

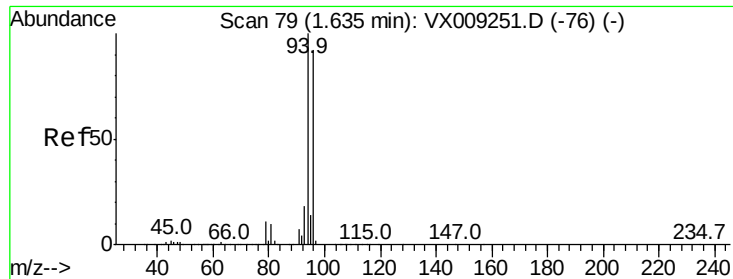
64 31.5 24.6 36.8



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 18.667 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009271.D

Acq: 02 May 2019 12:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 94 Resp: 25617

Ion Ratio Lower Upper

94 100

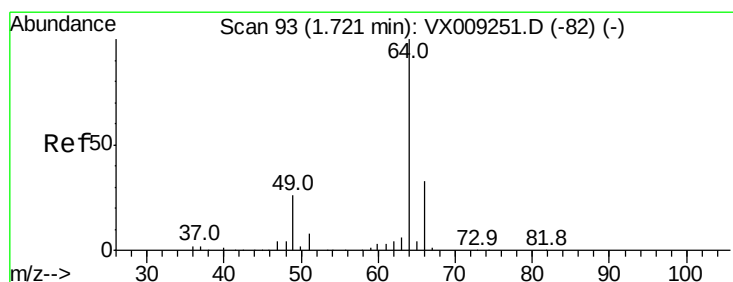
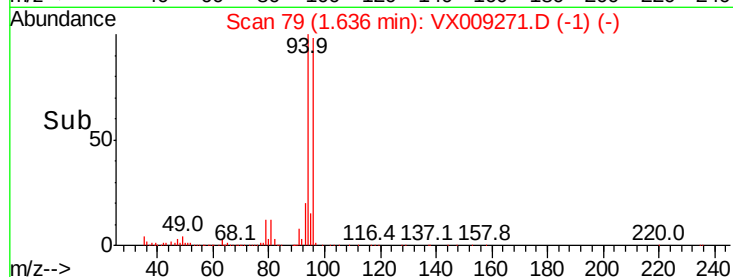
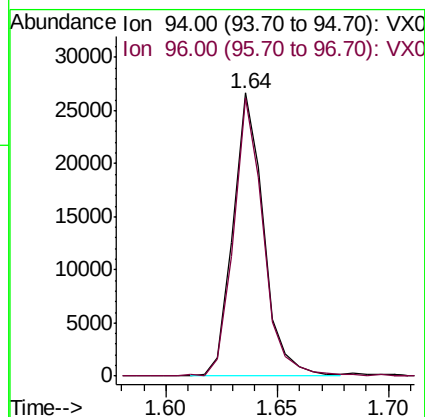
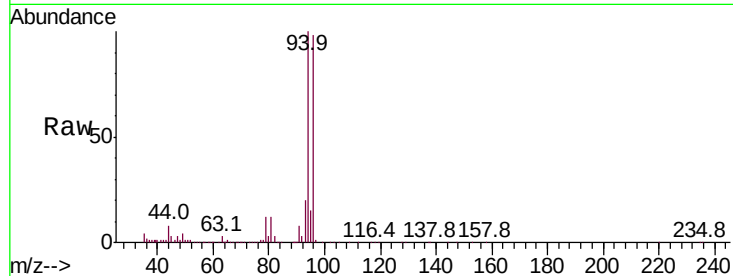
96 98.0 73.5 110.3

Manual Integrations

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#6

Chloroethane

Concen: 18.779 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.00 min

Lab File: VX009271.D

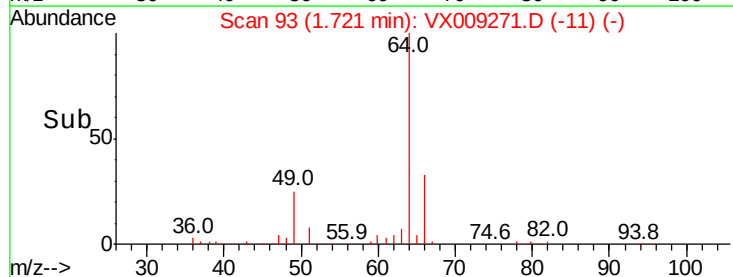
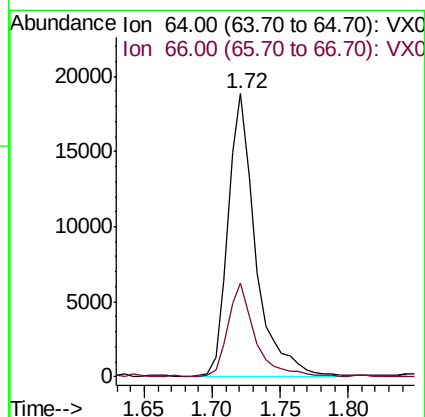
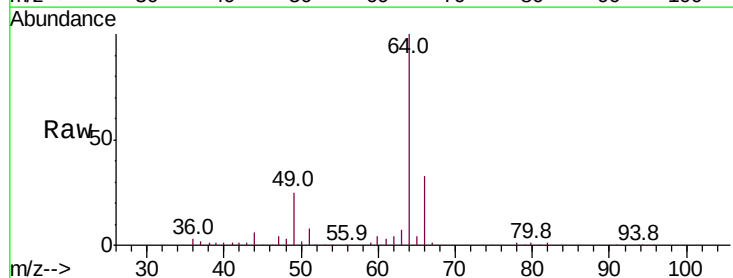
Acq: 02 May 2019 12:42

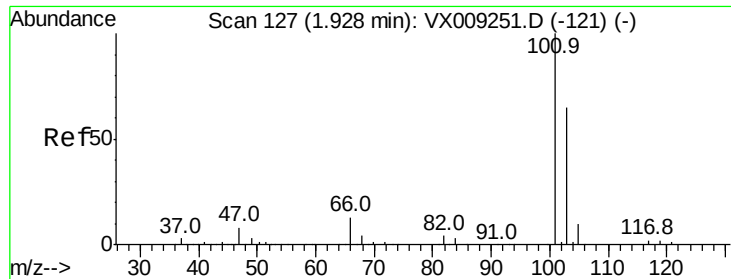
Tgt Ion: 64 Resp: 26661

Ion Ratio Lower Upper

64 100

66 32.8 25.9 38.9





#7

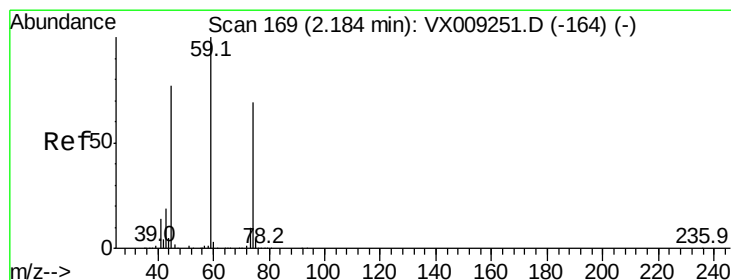
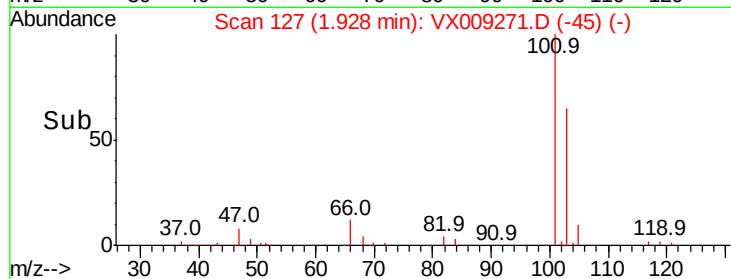
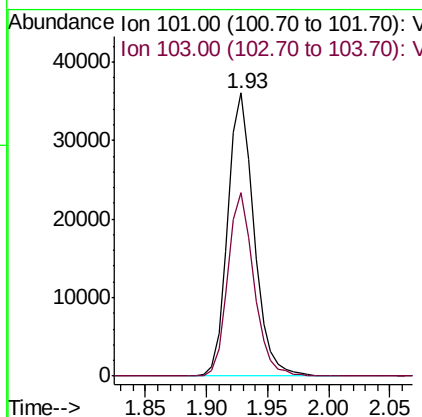
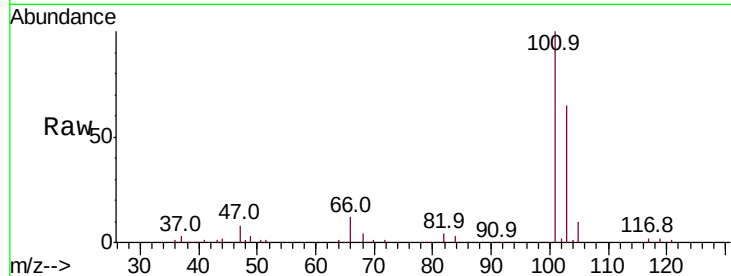
Trichlorofluoromethane
Concen: 19.941 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX009271.D
Acq: 02 May 2019 12:42

Instrument :
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ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	51.9	77.9

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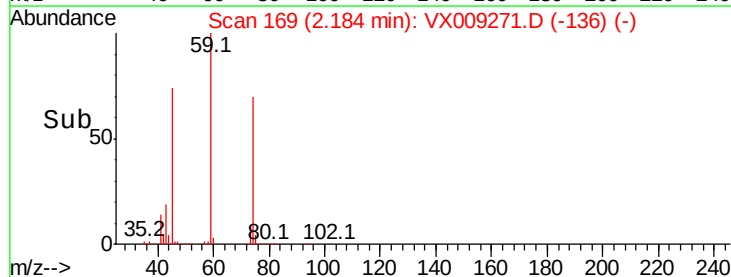
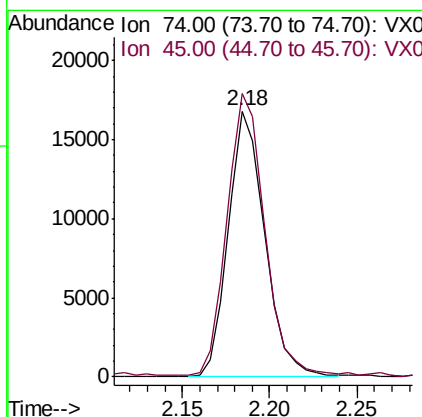
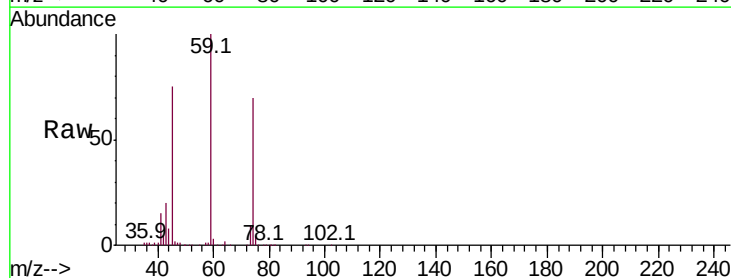
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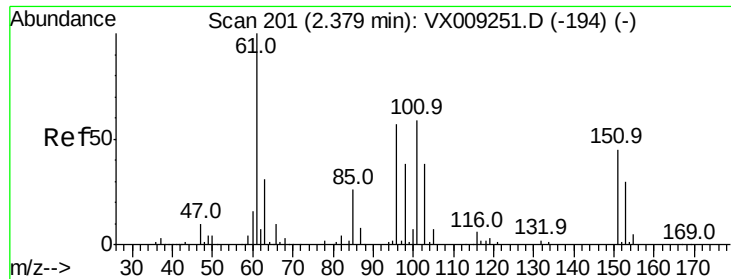


#8

Diethyl Ether
Concen: 19.513 ug/l
RT: 2.18 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX009271.D
Acq: 02 May 2019 12:42

Tgt Ion	Ratio	Lower	Upper
74	100		
45	109.9	21.5	193.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.313 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX009271.D

Acq: 02 May 2019 12:42

Instrument :

MSVOA_X

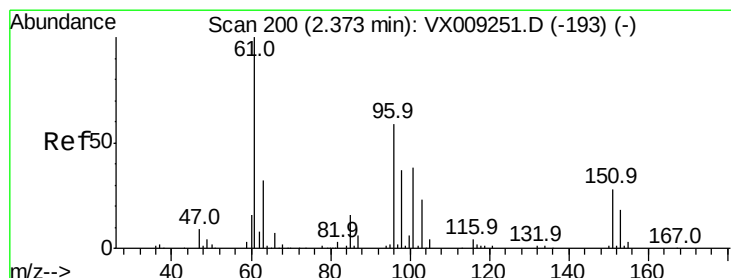
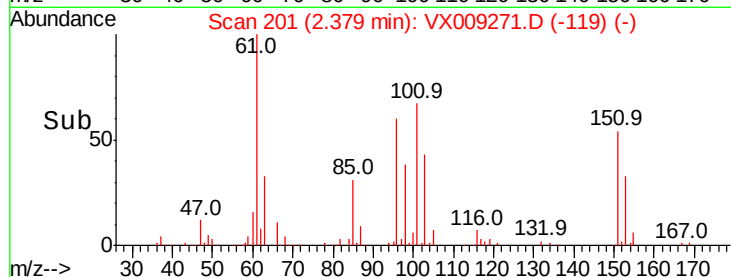
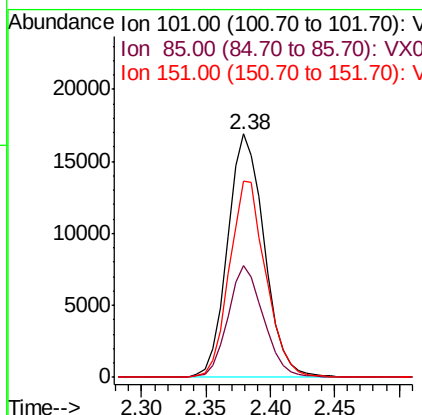
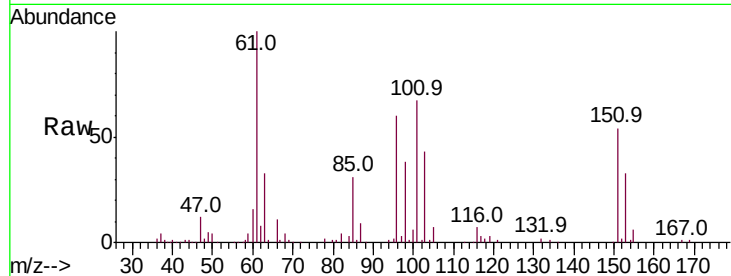
ClientSampleId :

VSTDCCC020EC

Tot Ion:	101	Resp:	33620
Ion Ratio	Lower	Upper	
101	100		
85	44.5	0.0	87.4
151	79.6	0.0	157.0

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 20.024 ug/l

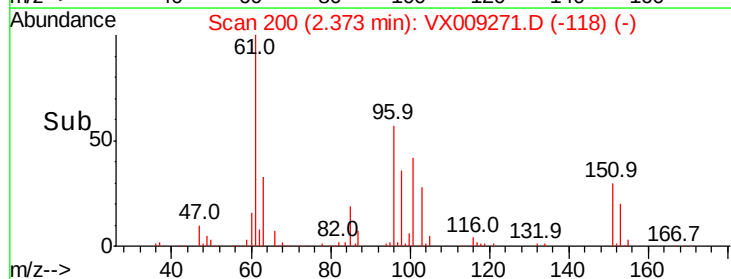
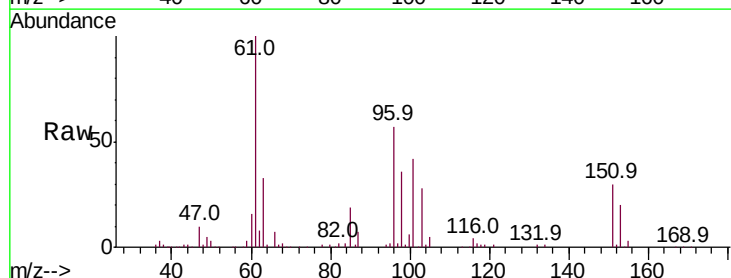
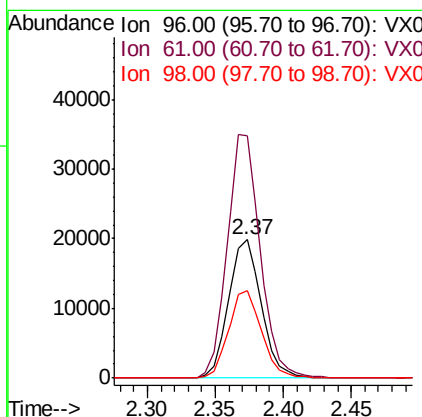
RT: 2.37 min Scan# 200

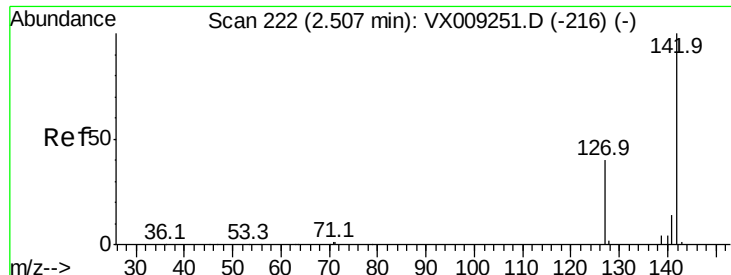
Delta R.T. 0.00 min

Lab File: VX009271.D

Acq: 02 May 2019 12:42

Tgt Ion:	96	Resp:	33277
Ion Ratio	Lower	Upper	
96	100		
61	175.6	136.5	204.7
98	63.5	51.0	76.4





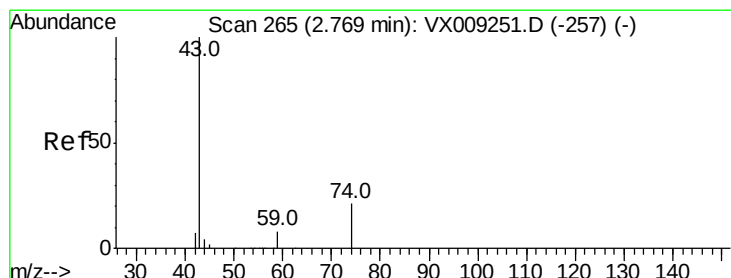
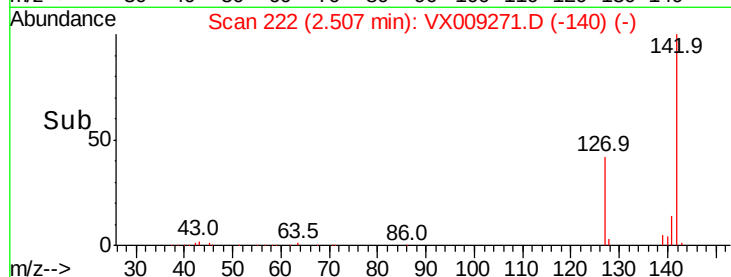
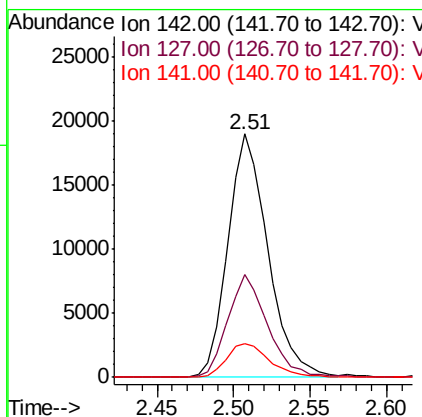
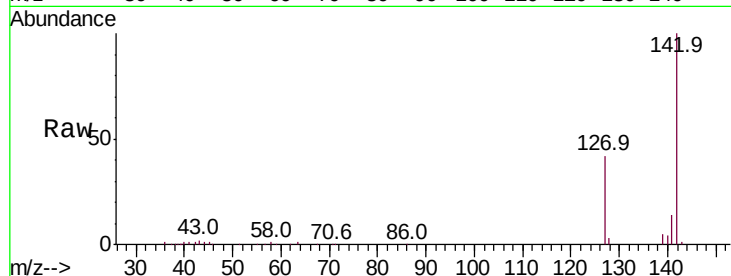
#11
Methyl Iodide
Concen: 19.045 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX009271.D
Acq: 02 May 2019 12:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
142	100		
127	42.0	20.2	60.5
141	13.7	6.9	20.7

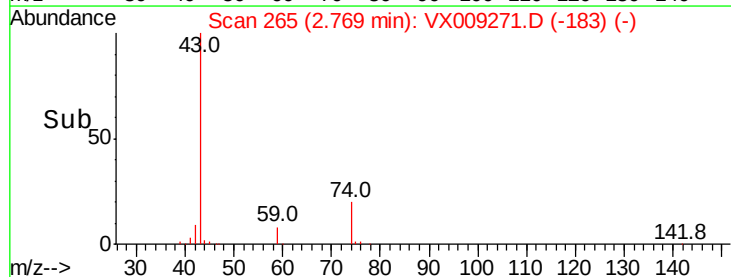
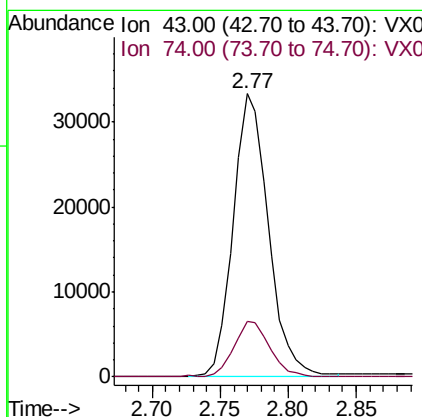
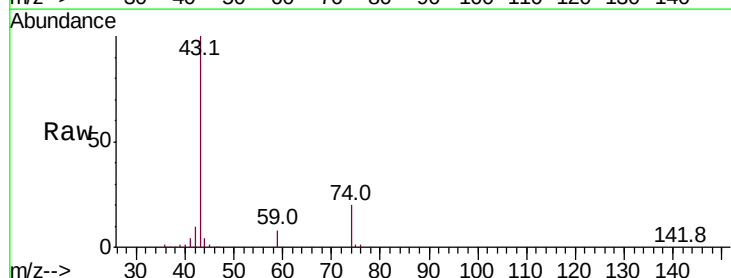
Manual Integrations
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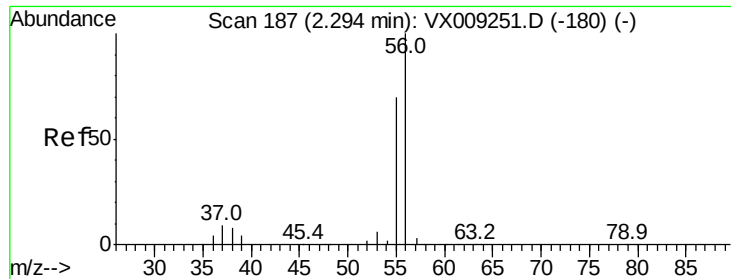
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#12
Methyl Acetate
Concen: 19.193 ug/l
RT: 2.77 min Scan# 265
Delta R.T. 0.00 min
Lab File: VX009271.D
Acq: 02 May 2019 12:42

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.6	16.5	24.7





#13

Acrolein

Concen: 88.479 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX009271.D

Acq: 02 May 2019 12:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 56 Resp: 37986

Ion Ratio Lower Upper

56 100

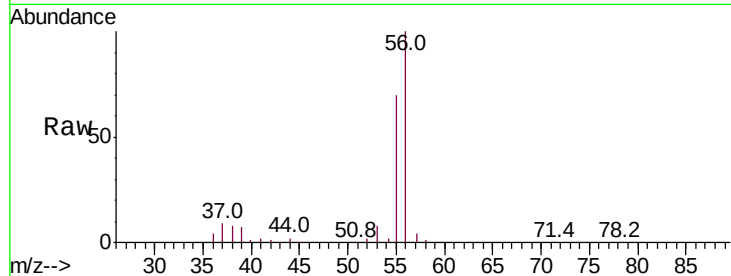
55 71.3 56.9 85.3

Manual Integrations

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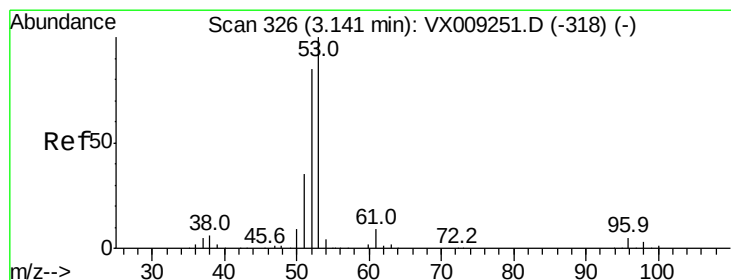
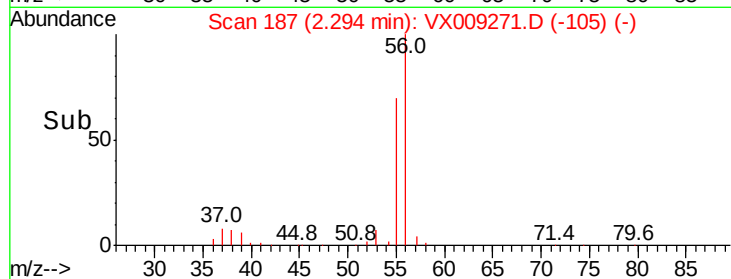
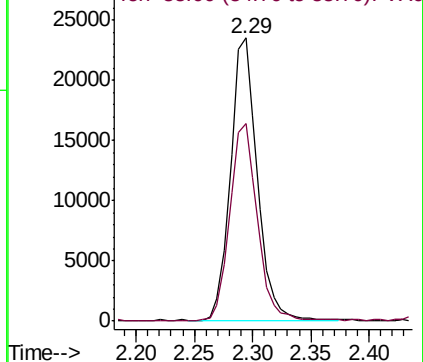
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Acrylonitrile

Concen: 98.124 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX009271.D

Acq: 02 May 2019 12:42

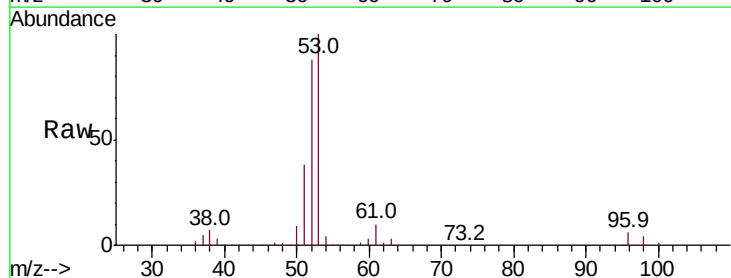
Tgt Ion: 53 Resp: 133295

Ion Ratio Lower Upper

53 100

52 84.3 41.5 124.5

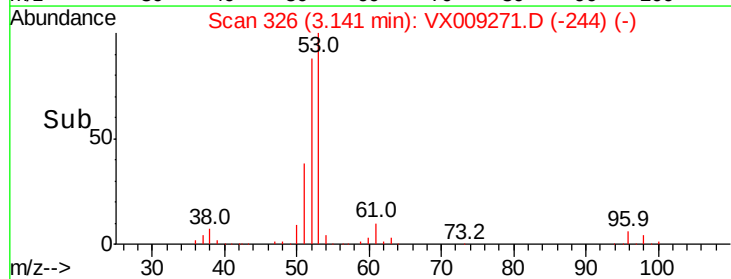
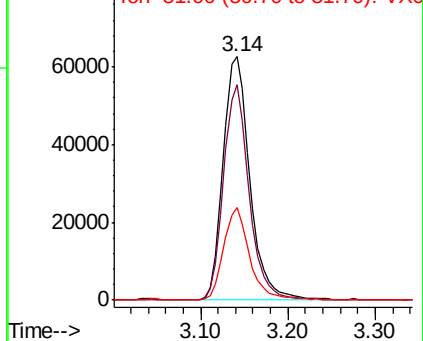
51 36.8 17.8 53.3

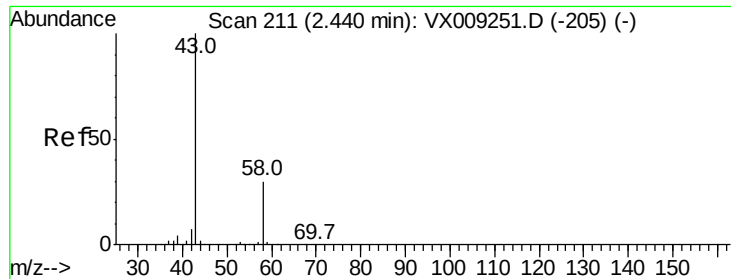


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





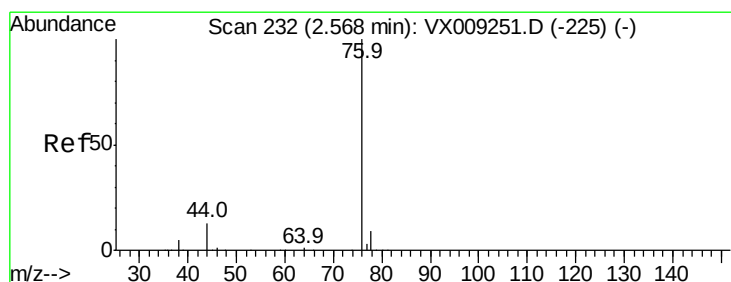
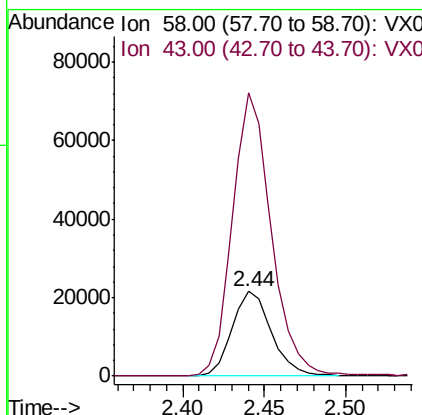
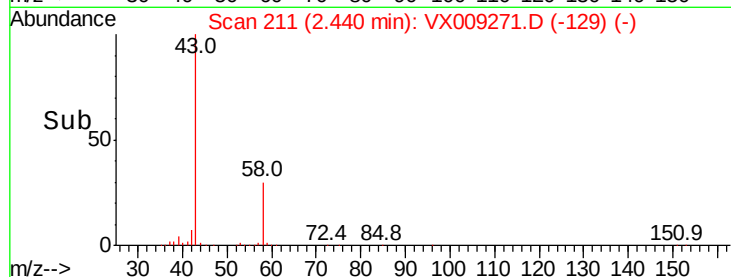
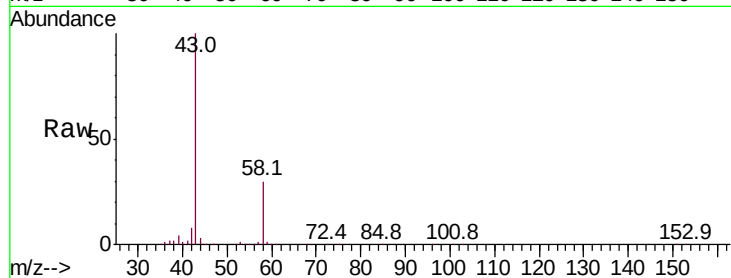
#15
Acetone
Concen: 92.299 ug/l
RT: 2.44 min Scan# 211
Delta R.T. 0.00 min
Lab File: VX009271.D
Acq: 02 May 2019 12:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion: 58 Resp: 35999
Ion Ratio Lower Upper
58 100
43 335.4 264.0 396.0

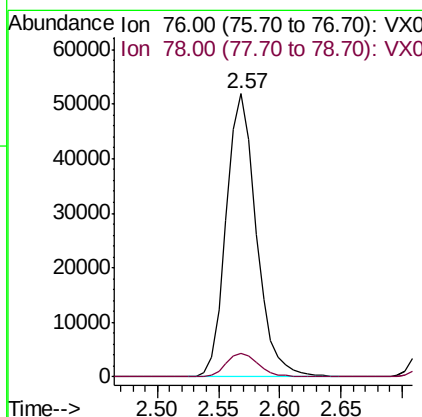
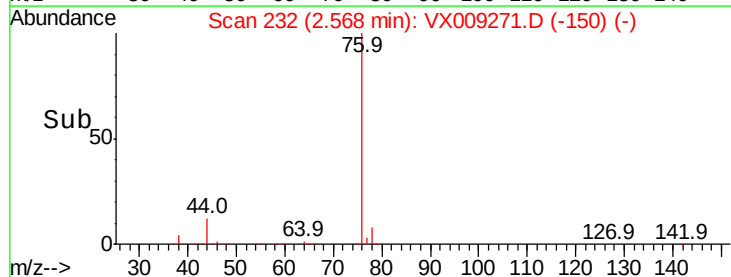
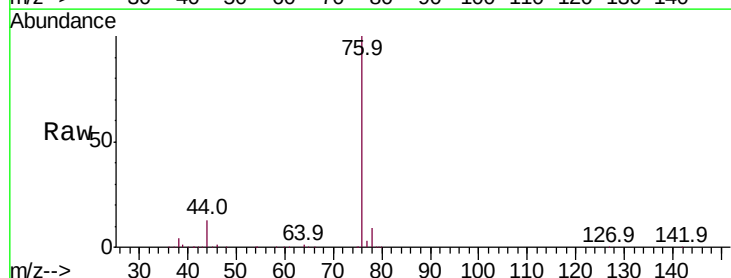
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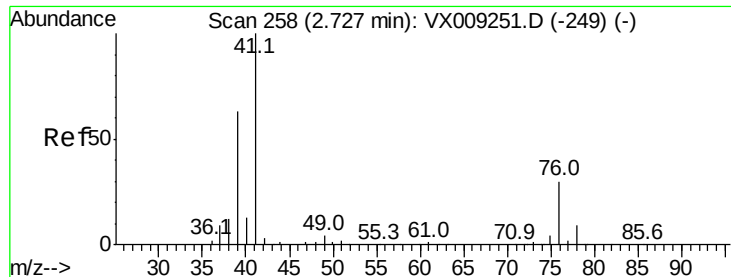
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#16
Carbon Disulfide
Concen: 19.704 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX009271.D
Acq: 02 May 2019 12:42

Tgt Ion: 76 Resp: 88597
Ion Ratio Lower Upper
76 100
78 8.5 7.4 11.2





#17

Allvl chloride

Concen: 19.516 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX009271.D

Acq: 02 May 2019 12:42

Instrument :

MSVOA_X

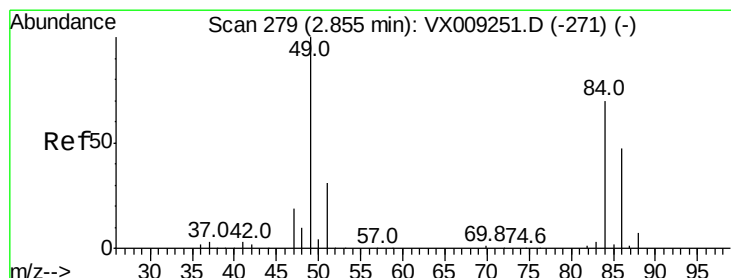
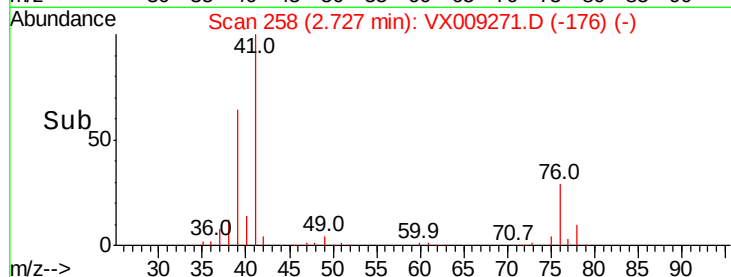
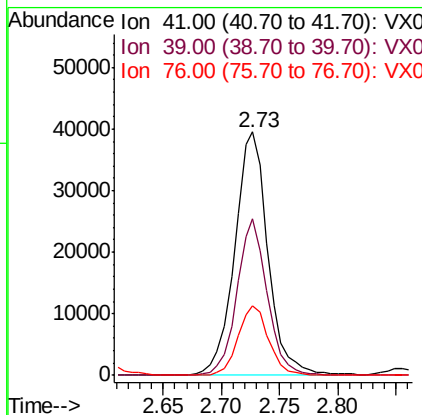
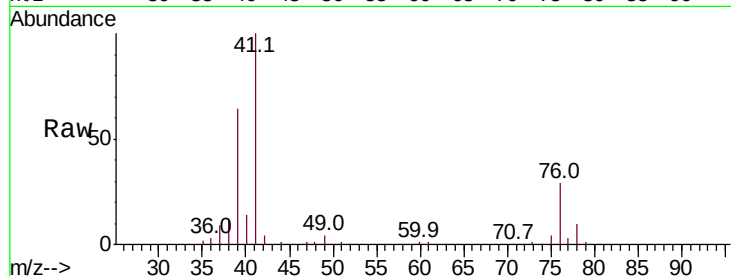
ClientSampleId :

VSTDCCC020EC

Tot Ion:	41	Resp:	77865
Ion	Ratio	Lower	Upper
41	100		
39	64.4	31.6	94.7
76	28.7	15.1	45.3

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#18

Methylene Chloride

Concen: 20.065 ug/l

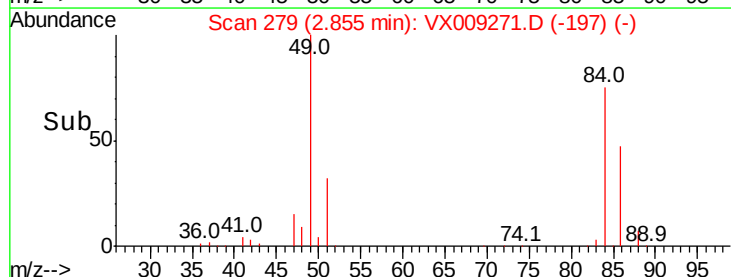
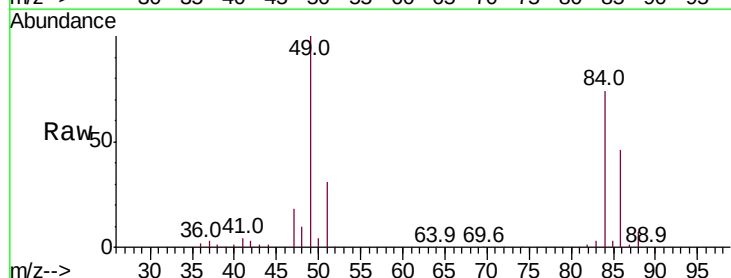
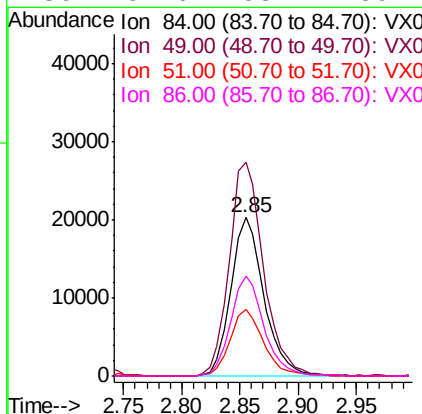
RT: 2.85 min Scan# 279

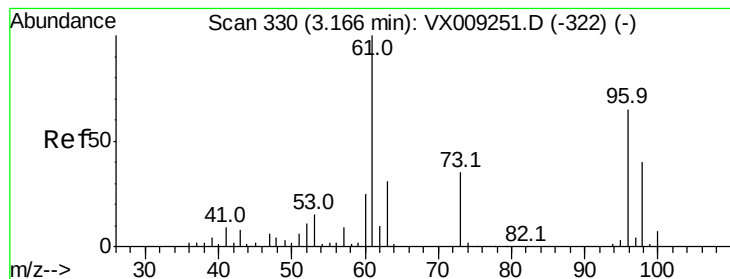
Delta R.T. 0.00 min

Lab File: VX009271.D

Acq: 02 May 2019 12:42

Tgt Ion:	84	Resp:	40299
Ion	Ratio	Lower	Upper
84	100		
49	134.7	114.6	171.8
51	42.3	35.5	53.3
86	62.6	53.4	80.2





#19

trans-1,2-Dichloroethene

Concen: 19.884 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX009271.D

Acq: 02 May 2019 12:42

Tot Ion: 96 Resp: 35233

Ion Ratio Lower Upper

96 100

61 149.5 122.7 184.1

98 61.7 49.5 74.3

Instrument :

MSVOA_X

ClientSampleId :

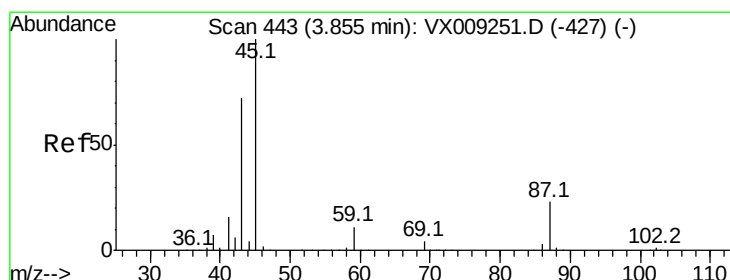
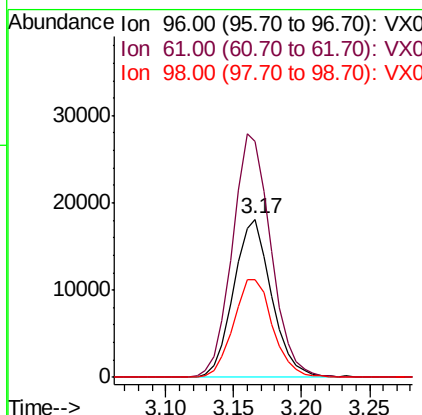
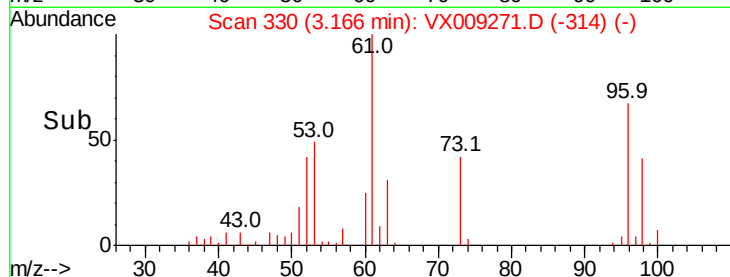
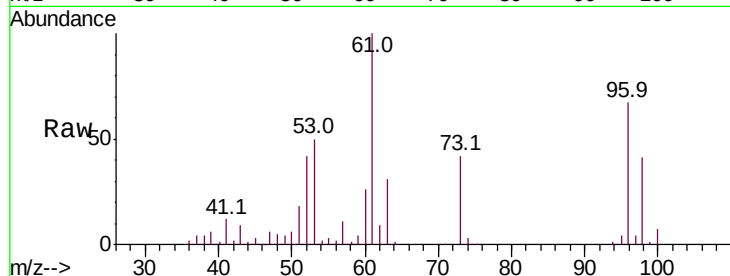
VSTDCCC020EC

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#20

Diisopropyl ether

Concen: 19.617 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX009271.D

Acq: 02 May 2019 12:42

Tgt Ion: 45 Resp: 154130

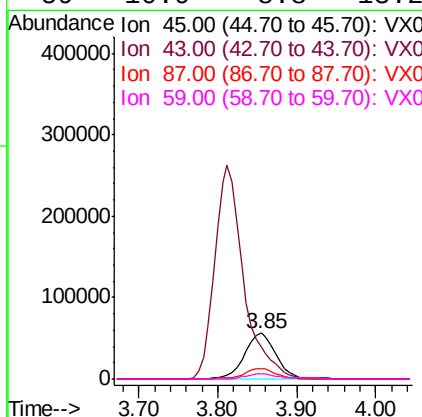
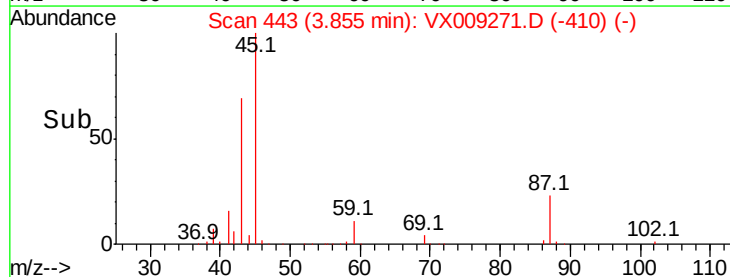
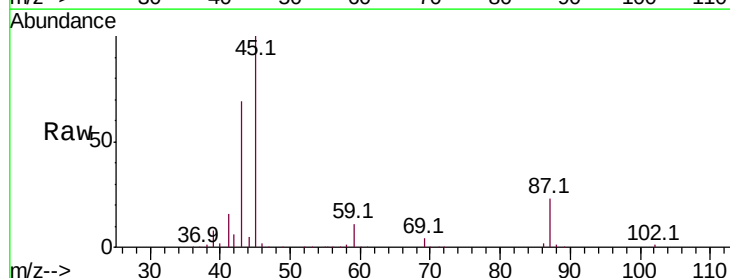
Ion Ratio Lower Upper

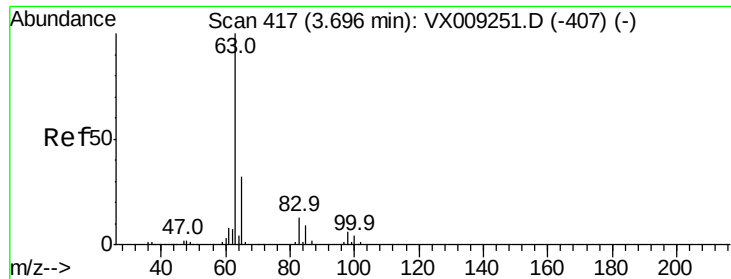
45 100

43 68.1 57.7 86.5

87 22.7 18.5 27.7

59 10.9 8.8 13.2





#21

1,1-Dichloroethane

Concen: 19.620 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009271.D

Acq: 02 May 2019 12:42

Instrument :

MSVOA_X

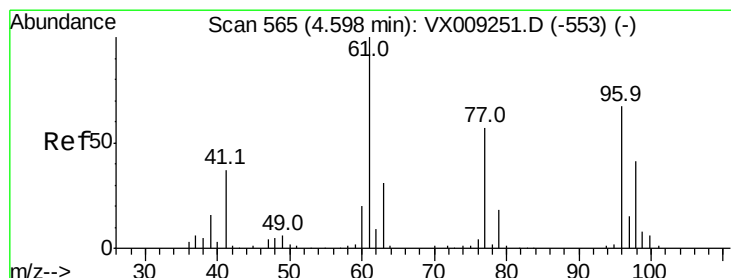
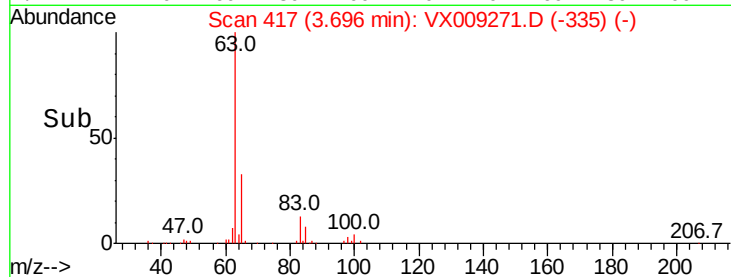
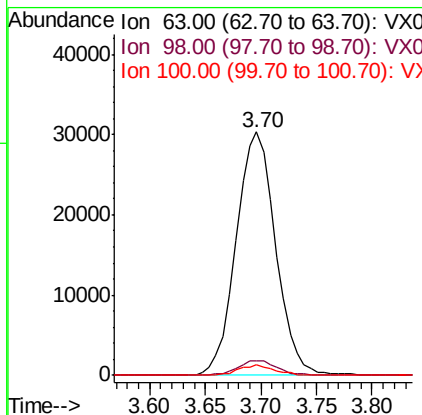
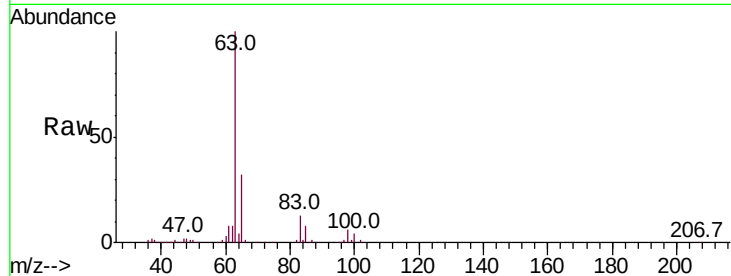
ClientSampleId :

VSTDCCC020EC

Tot Ion:	63	Resp:	74599
Ion	Ratio	Lower	Upper
63	100		
98	6.0	3.1	9.3
100	4.4	2.2	6.6

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#22

cis-1,2-Dichloroethene

Concen: 19.668 ug/l

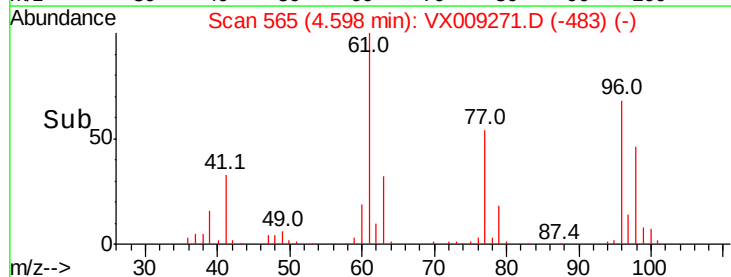
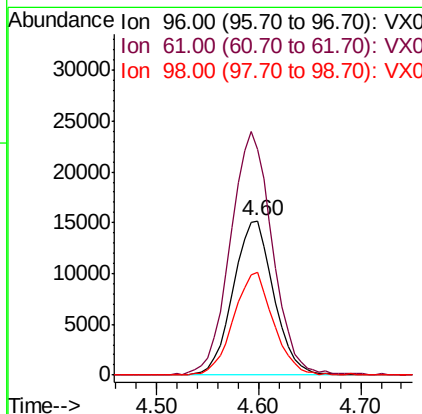
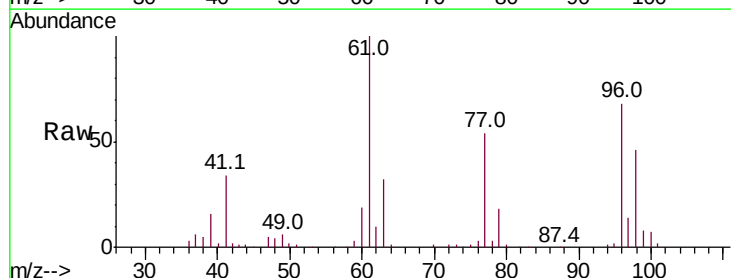
RT: 4.60 min Scan# 565

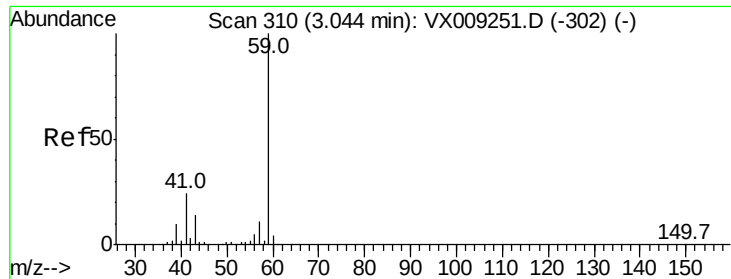
Delta R.T. 0.00 min

Lab File: VX009271.D

Acq: 02 May 2019 12:42

Tgt Ion:	96	Resp:	41978
Ion	Ratio	Lower	Upper
96	100		
61	162.4	127.7	191.5
98	65.1	50.5	75.7





#23

tert-Butyl Alcohol

Concen: 94.724 ug/l

RT: 3.04 min Scan# 310

Delta R.T. 0.00 min

Lab File: VX009271.D

Acq: 02 May 2019 12:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 59 Resp: 54410

Ion Ratio Lower Upper

59 100

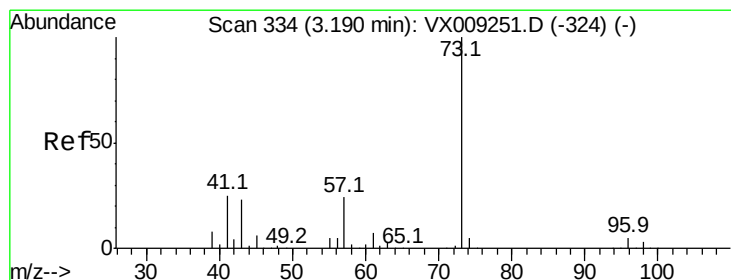
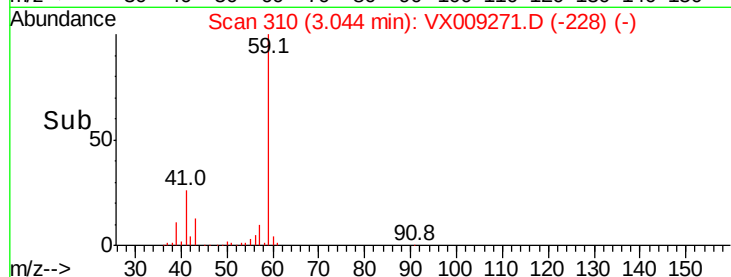
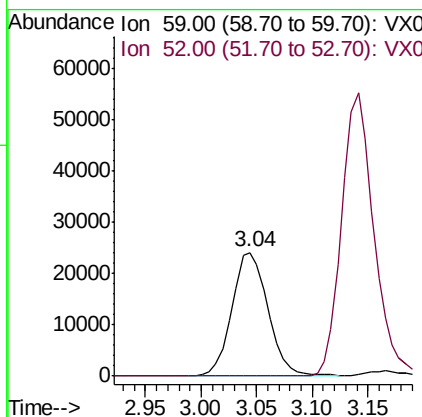
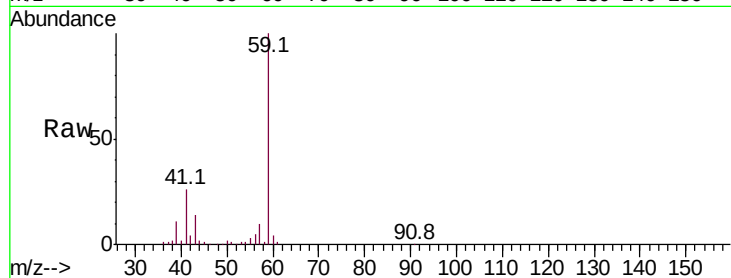
52 0.3 0.2 0.2#

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#24

Methyl tert-Butyl Ether

Concen: 19.650 ug/l

RT: 3.19 min Scan# 334

Delta R.T. 0.00 min

Lab File: VX009271.D

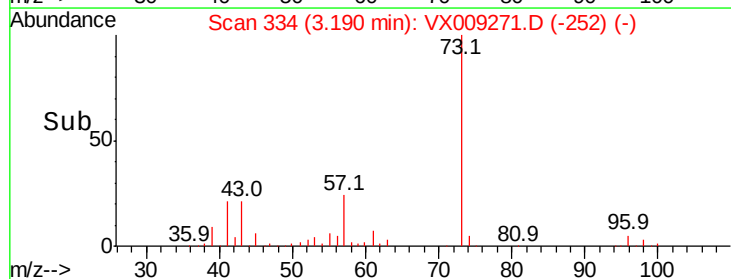
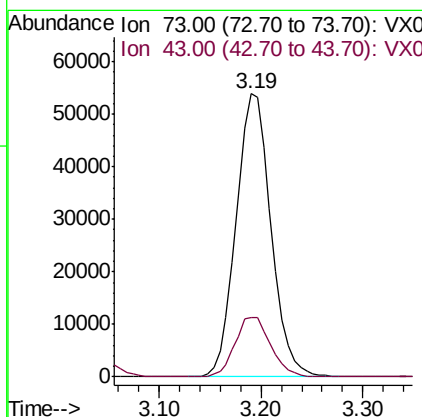
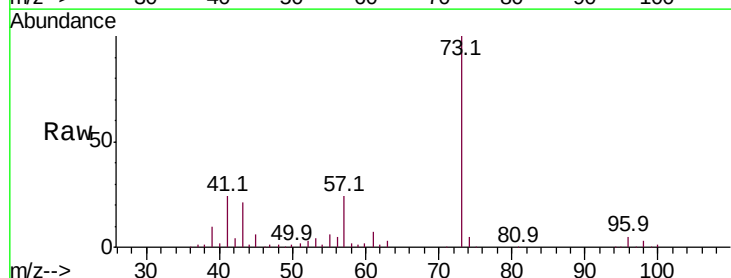
Acq: 02 May 2019 12:42

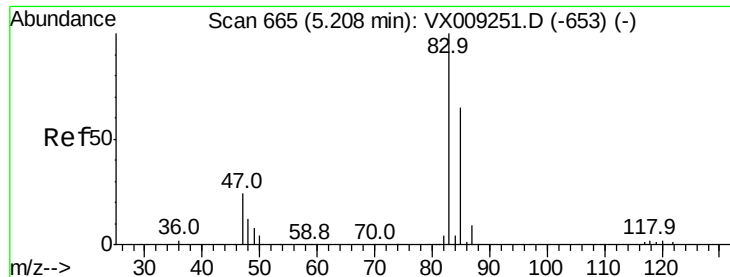
Tgt Ion: 73 Resp: 127798

Ion Ratio Lower Upper

73 100

43 21.3 17.6 26.4





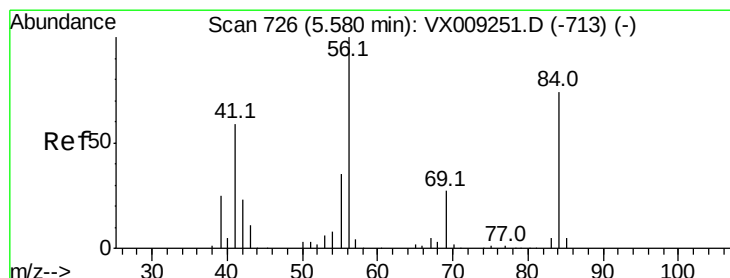
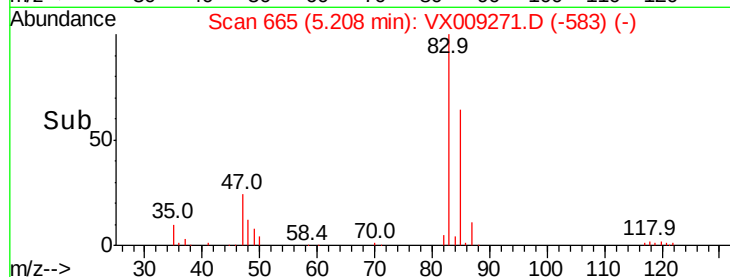
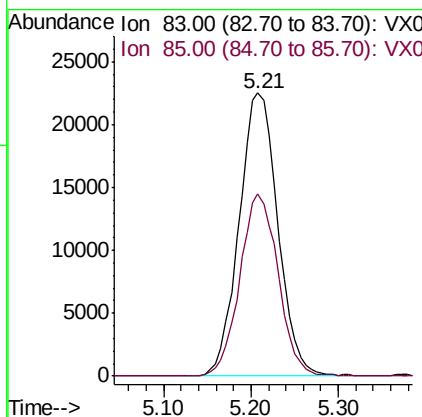
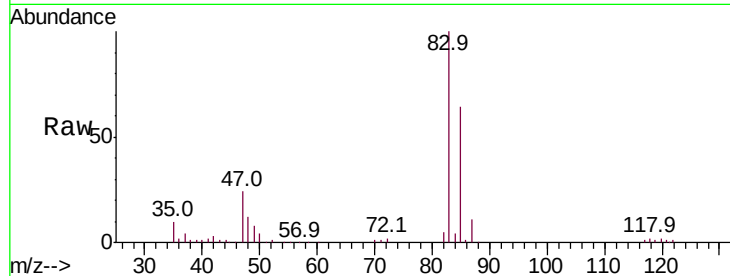
#25
Chloroform
Concen: 19.949 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX009271.D
Acq: 02 May 2019 12:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	83	Resp	69221
Ion Ratio	100	Lower	Upper
83	100		
85	64.4	51.9	77.9

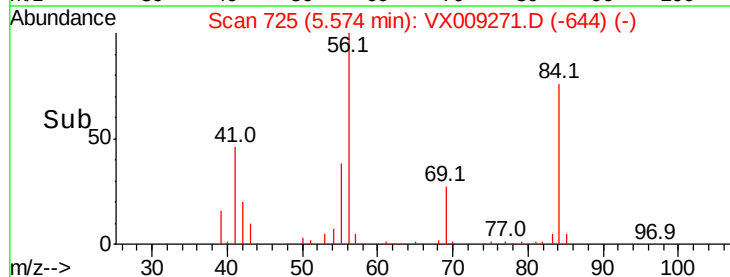
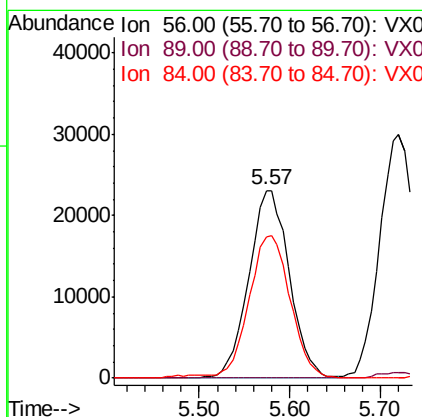
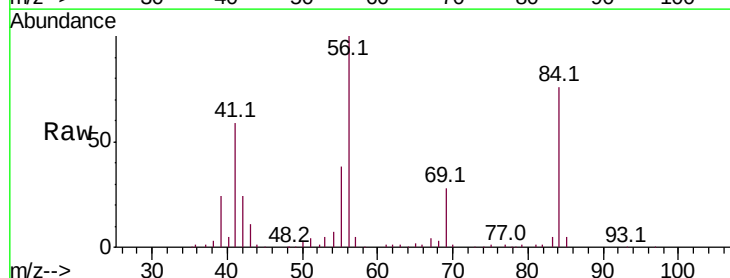
Manual Integrations
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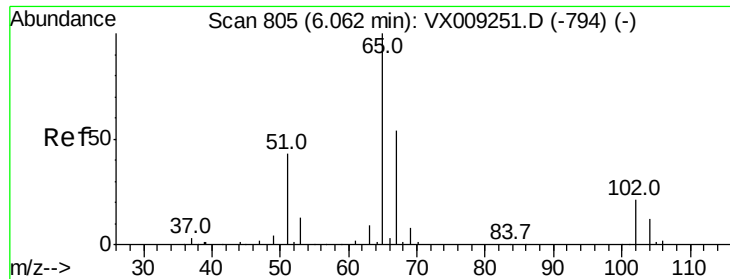
MMDadoda
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#26
Cyclohexane
Concen: 20.108 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.01 min
Lab File: VX009271.D
Acq: 02 May 2019 12:42

Tgt Ion	56	Resp	71257
Ion Ratio	100	Lower	Upper
56	100		
89	0.0	0.0	0.0
84	77.2	59.7	89.5





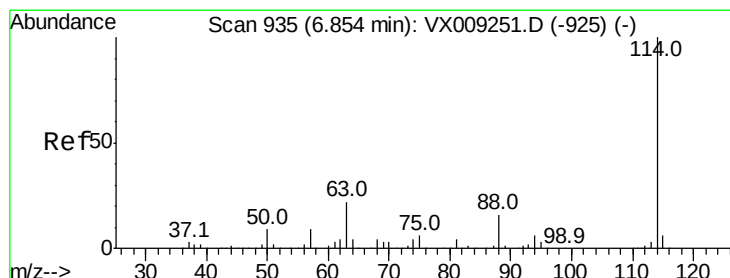
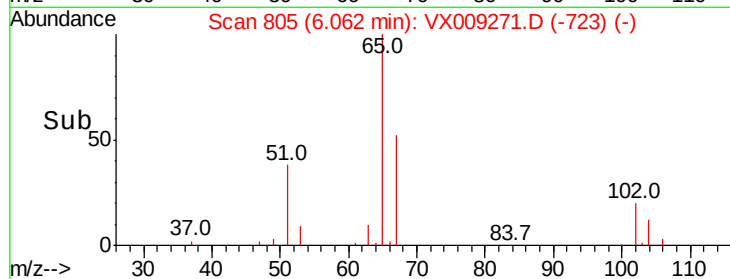
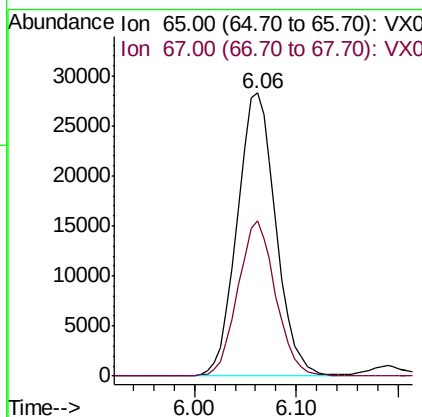
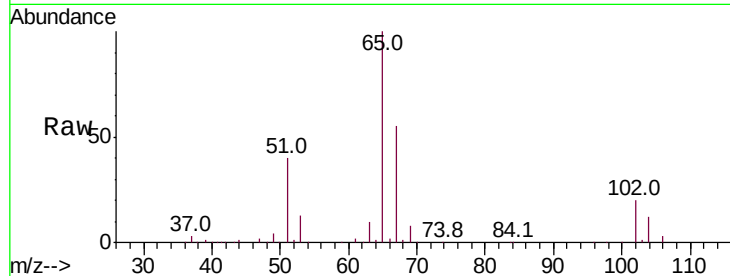
#27
 1,2-Dichloroethane-d4
 Concen: 29.582 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009271.D
 Acq: 02 May 2019 12:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.5	43.1	64.7

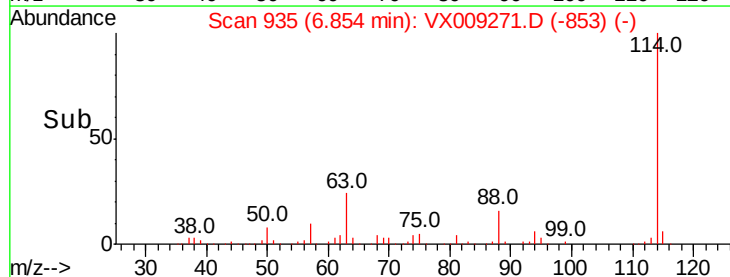
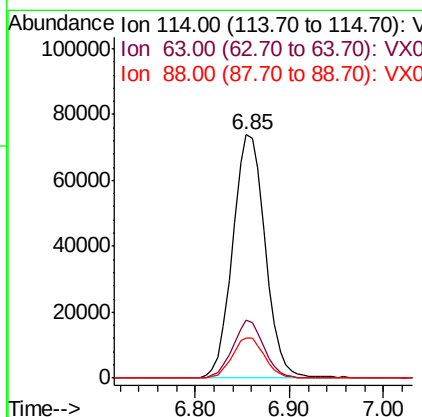
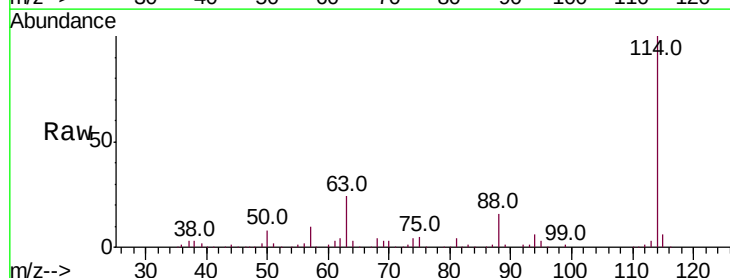
Manual Integrations
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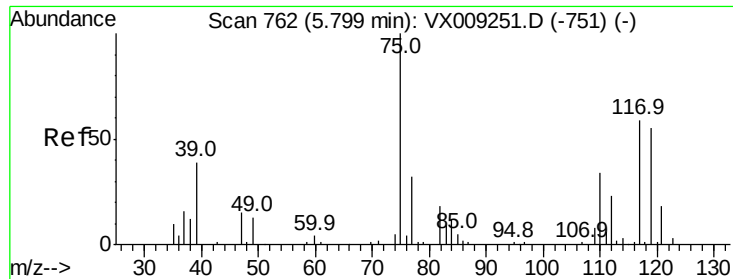
MMDadoda
 5/3/2019 11:19:53 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX009271.D
 Acq: 02 May 2019 12:42

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.7	18.0	27.0
88	16.3	13.4	20.0





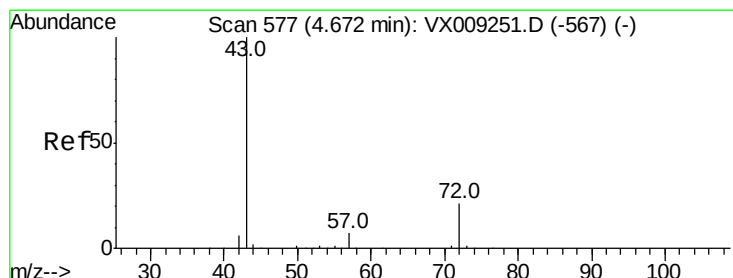
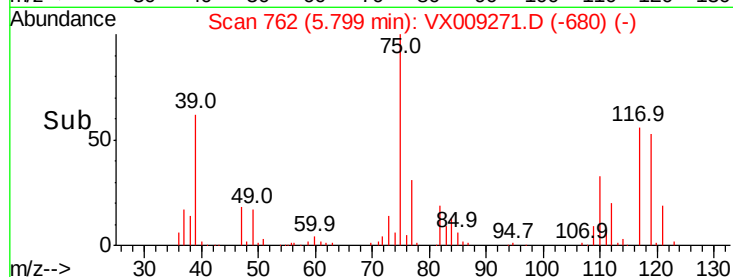
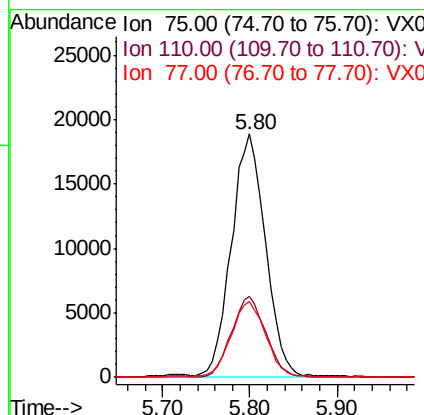
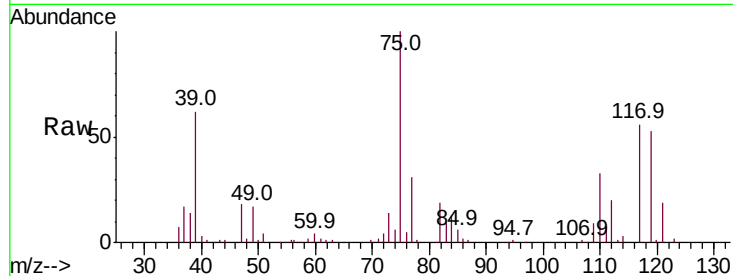
#29
 1,1-Dichloropropene
 Concen: 19.754 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX009271.D
 Acq: 02 May 2019 12:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	33.2	0.0	66.4
77	31.5	0.0	62.2

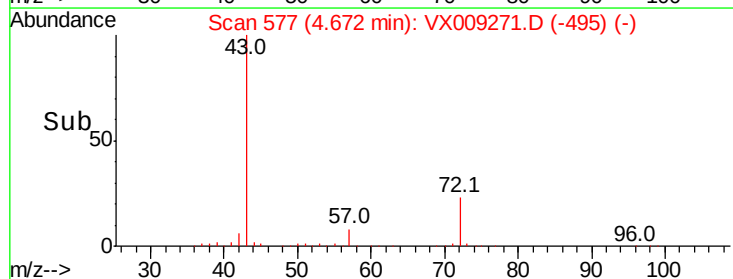
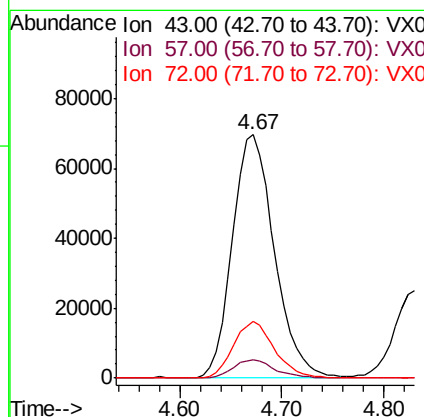
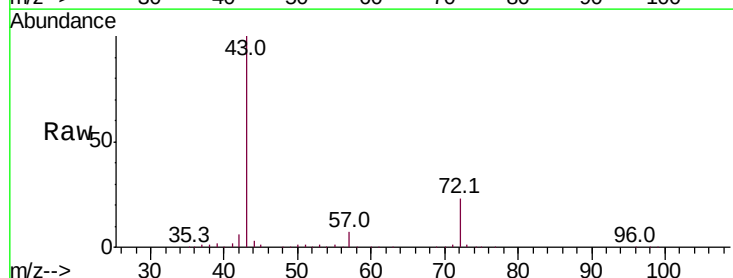
Manual Integrations
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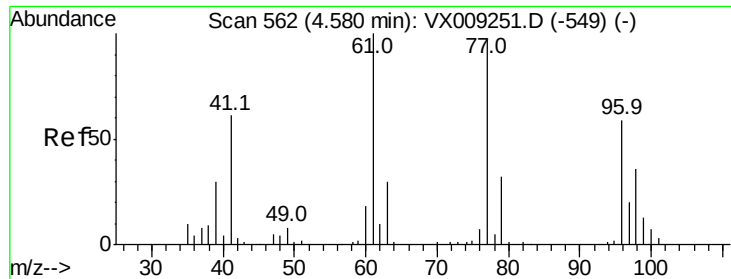
MMDadoda
 5/3/2019 11:19:53 AM



#30
 2-Butanone
 Concen: 96.707 ug/l
 RT: 4.67 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: VX009271.D
 Acq: 02 May 2019 12:42

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	7.5	6.0	9.0
72	22.9	18.2	27.4





#31

2,2-Dichloropropane

Concen: 18.689 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX009271.D

Acq: 02 May 2019 12:42

Tot Ion: 77 Resp: 53804

Ion Ratio Lower Upper

77 100

97 23.3 18.3 27.5

Instrument :

MSVOA_X

ClientSampleId :

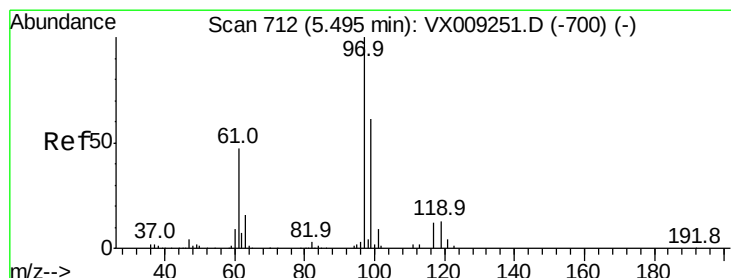
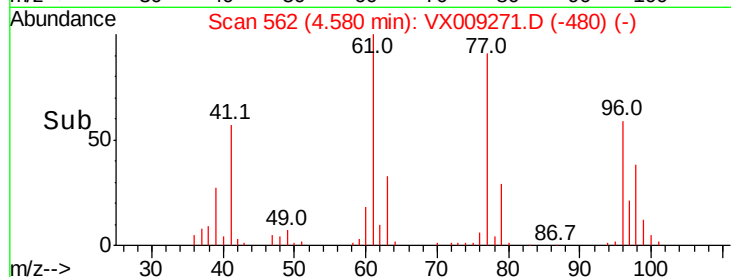
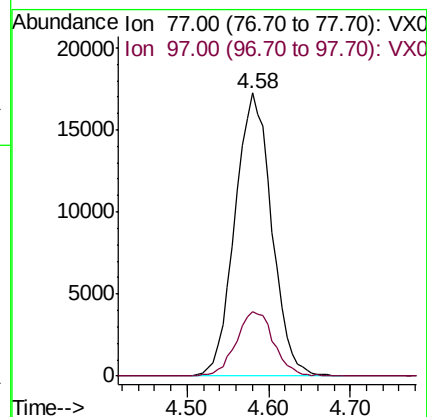
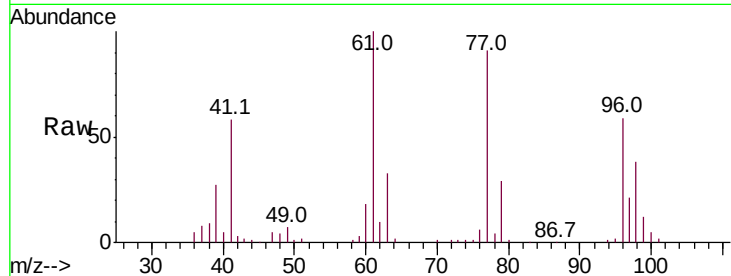
VSTDCCC020EC

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 19.910 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX009271.D

Acq: 02 May 2019 12:42

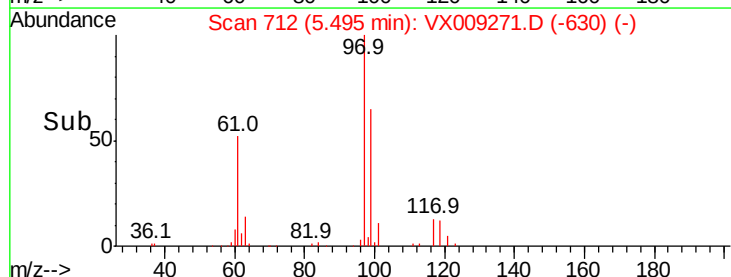
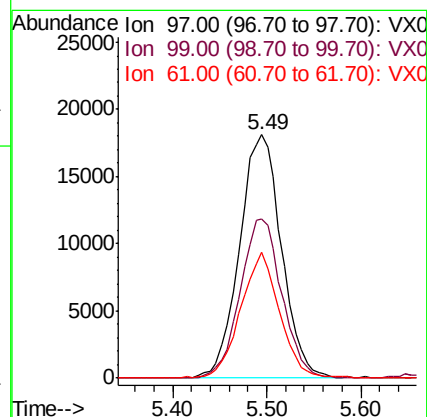
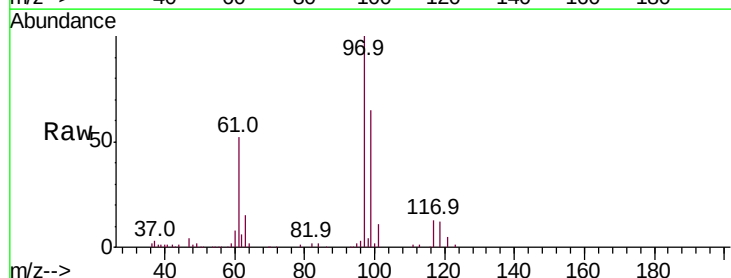
Tgt Ion: 97 Resp: 56363

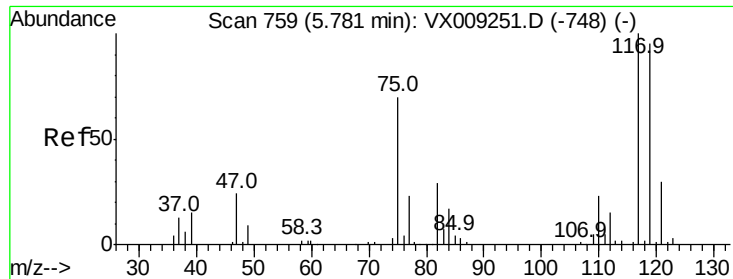
Ion Ratio Lower Upper

97 100

99 64.9 53.9 80.9

61 48.1 38.6 58.0





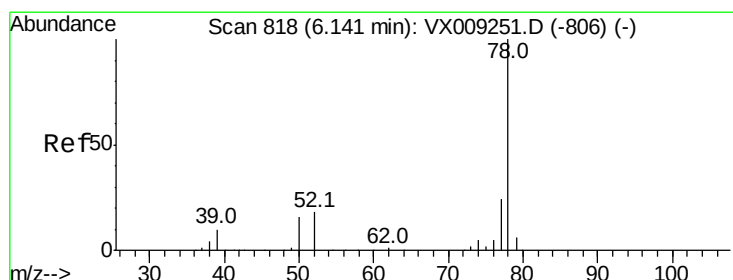
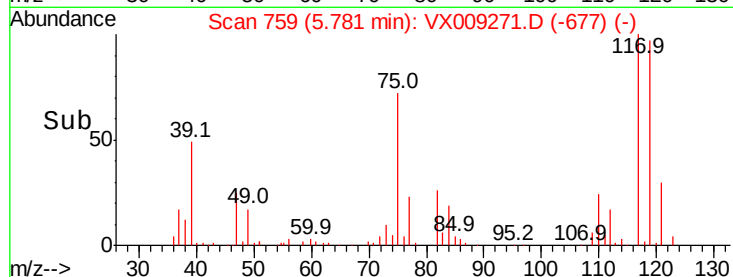
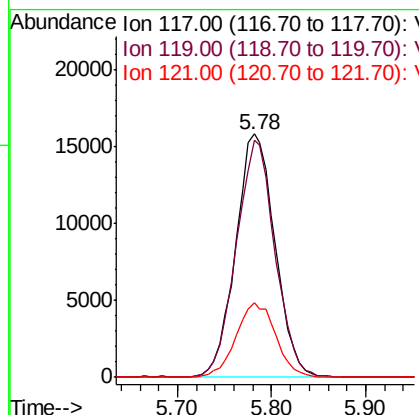
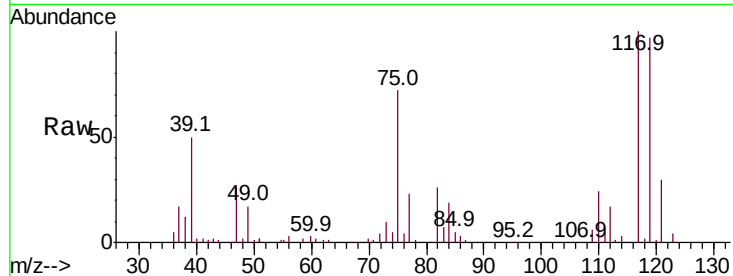
#33
 Carbon Tetrachloride
 Concen: 19.540 ug/l
 RT: 5.78 min Scan# 759
 Delta R.T. 0.00 min
 Lab File: VX009271.D
 Acq: 02 May 2019 12:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:117 Resp: 46282
 Ion Ratio Lower Upper
 117 100
 119 97.2 76.1 114.1
 121 30.4 24.4 36.6

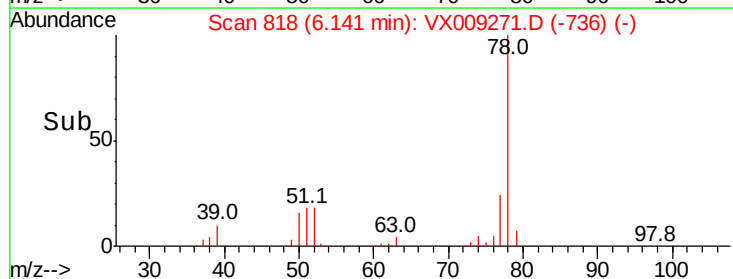
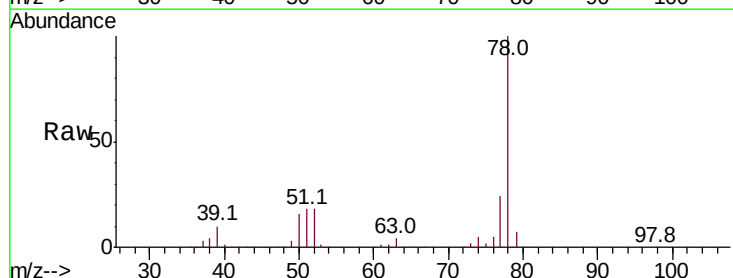
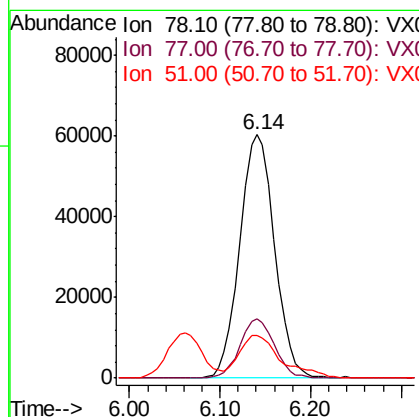
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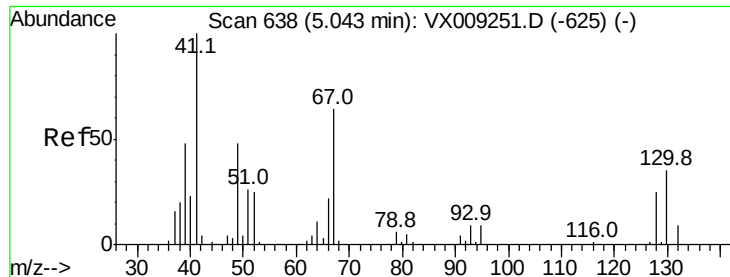
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#34
 Benzene
 Concen: 19.991 ug/l
 RT: 6.14 min Scan# 818
 Delta R.T. 0.00 min
 Lab File: VX009271.D
 Acq: 02 May 2019 12:42

Tgt Ion: 78 Resp: 160946
 Ion Ratio Lower Upper
 78 100
 77 24.3 18.8 28.2
 51 17.3 13.5 20.3





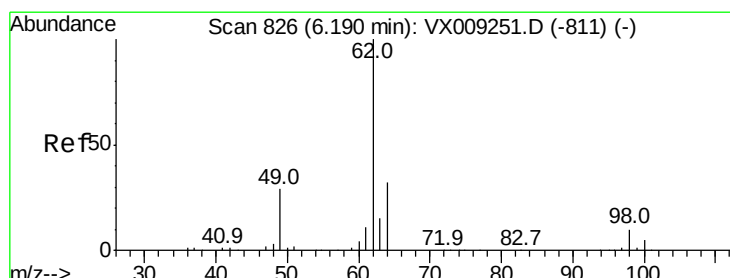
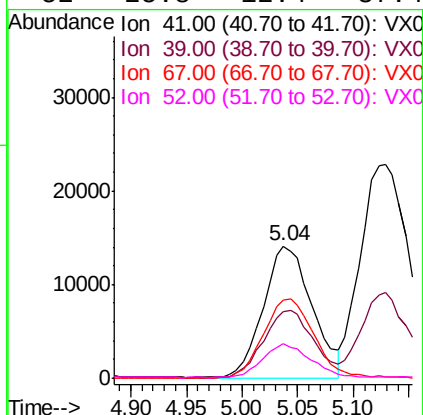
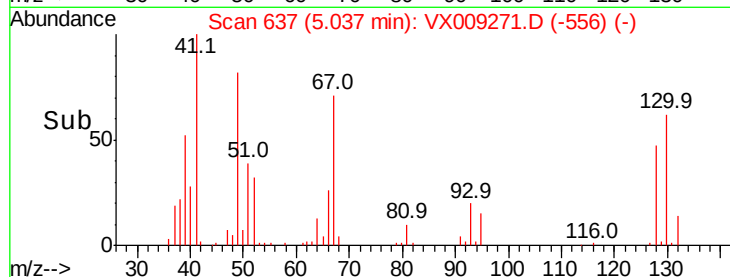
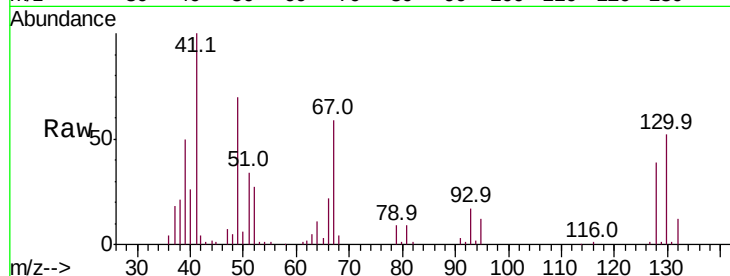
#35
Methacrylonitrile
Concen: 20.213 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX009271.D
Acq: 02 May 2019 12:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	49.9	24.1	72.3	
67	59.2	32.2	96.6	
52	25.8	12.4	37.4	

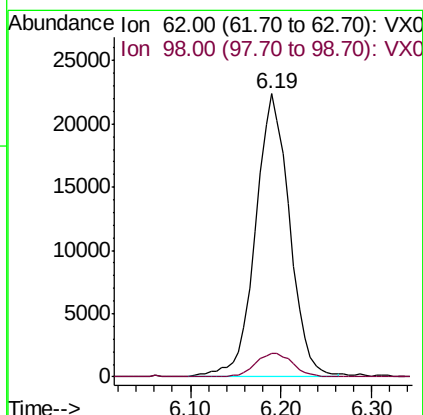
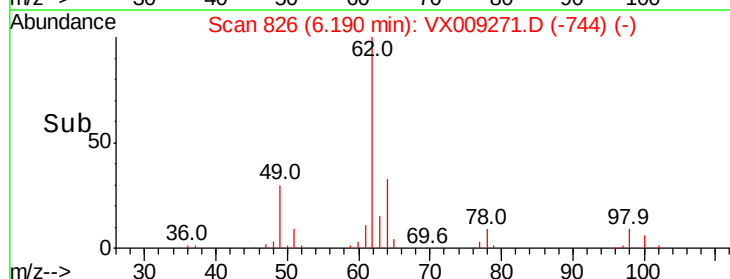
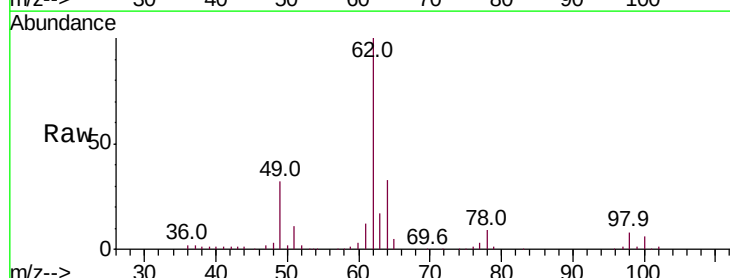
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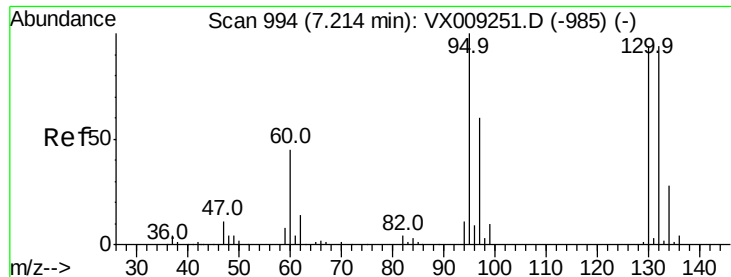
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#36
1,2-Dichloroethane
Concen: 19.990 ug/l
RT: 6.19 min Scan# 826
Delta R.T. 0.00 min
Lab File: VX009271.D
Acq: 02 May 2019 12:42

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.1	7.4	11.2	





#37

Trichloroethene

Concen: 19.710 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX009271.D

Acq: 02 May 2019 12:42

Tot Ion:130 Resp: 38198

Ion Ratio Lower Upper

130 100

95 95.1 85.0 127.4

Instrument :

MSVOA_X

ClientSampleId :

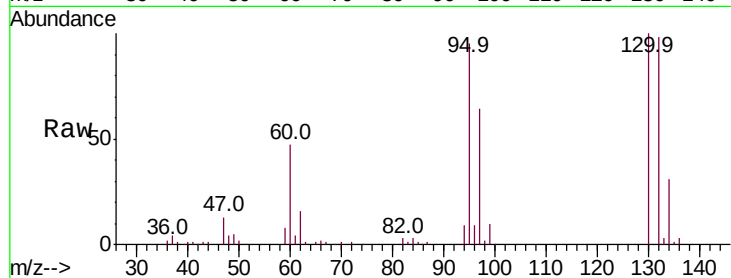
VSTDCCC020EC

Manual Integrations

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Abundance Ion 129.90 (129.60 to 130.60): VX0

Ion 94.90 (94.60 to 95.60): VX0

7.21

20000

15000

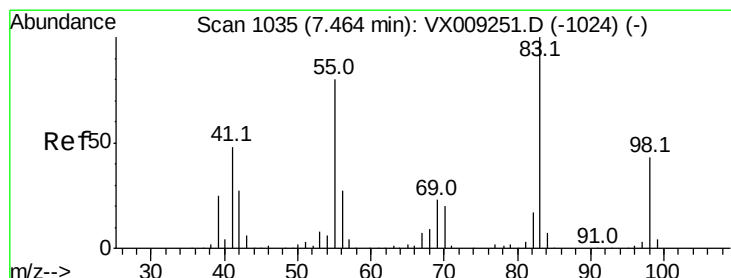
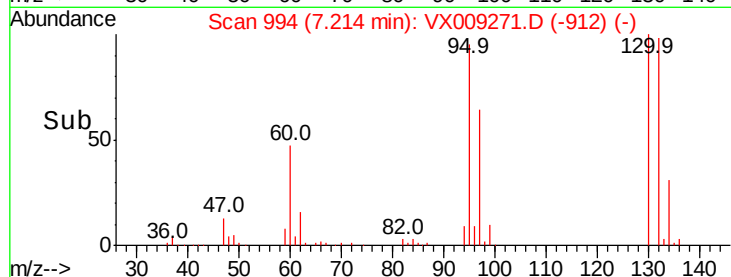
10000

5000

0

Time-->

7.10 7.15 7.20 7.25 7.30



#38

Methylcyclohexane

Concen: 20.317 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.00 min

Lab File: VX009271.D

Acq: 02 May 2019 12:42

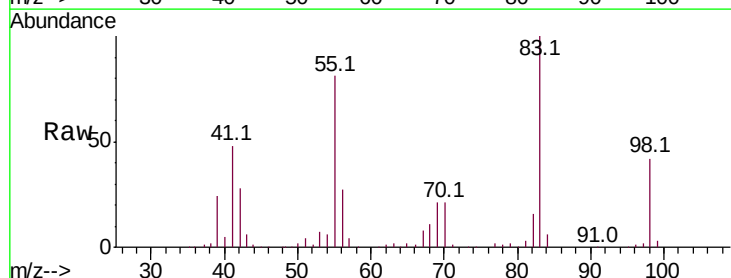
Tgt Ion: 83 Resp: 65548

Ion Ratio Lower Upper

83 100

55 85.2 43.0 129.2

98 44.3 22.1 66.1



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

7.46

40000

30000

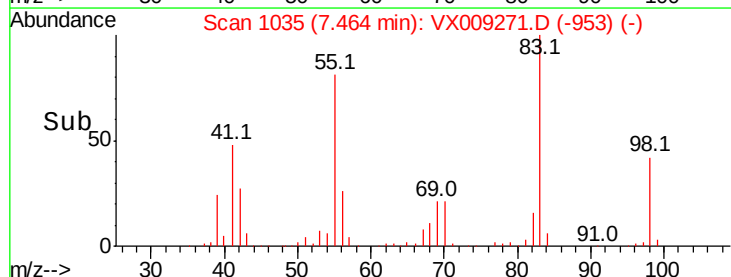
20000

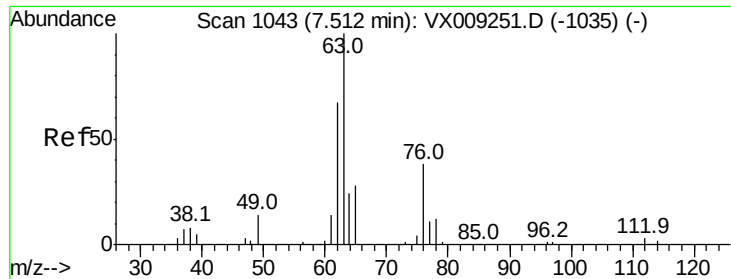
10000

0

Time-->

7.35 7.40 7.45 7.50 7.55





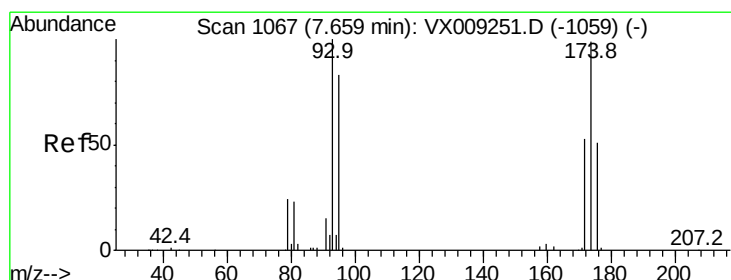
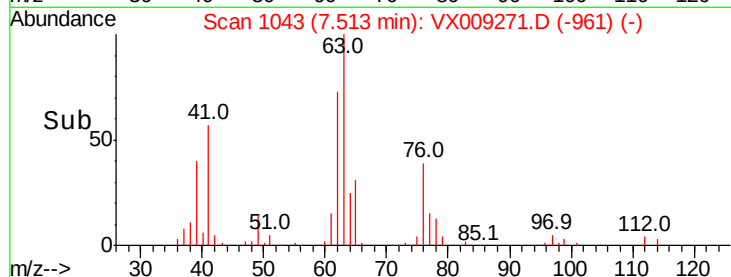
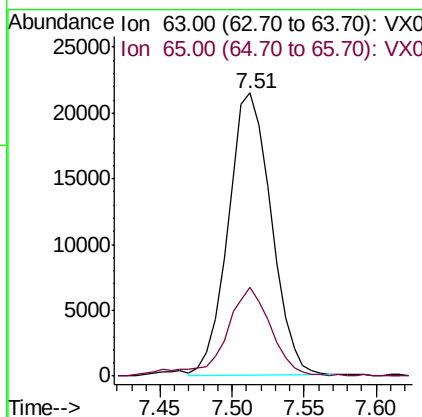
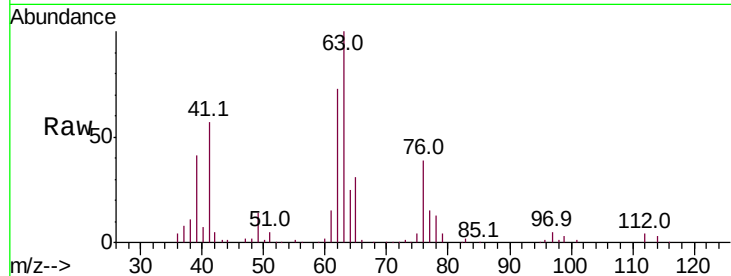
#39
 1,2-Dichloropropane
 Concen: 19.386 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX009271.D
 Acq: 02 May 2019 12:42

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC020EC

Tot Ion: 63 Resp: 44446
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.0 36.0

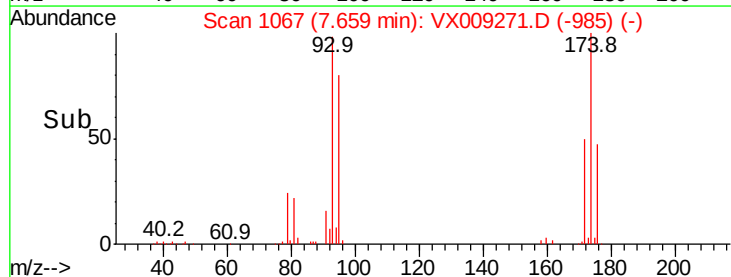
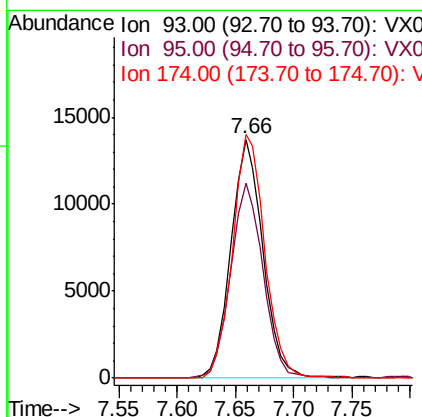
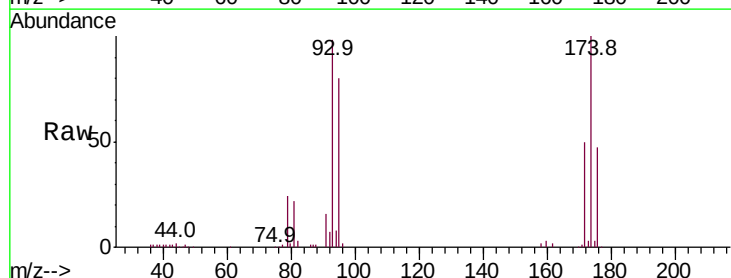
Manual Integrations
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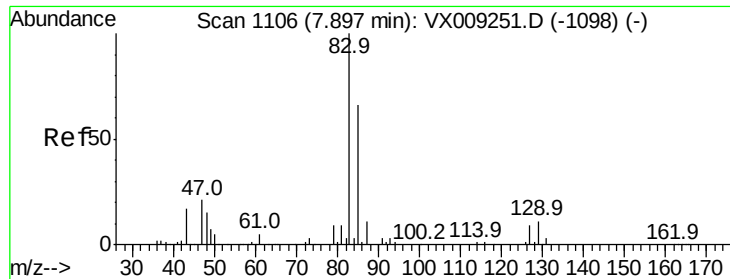
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#40
 Dibromomethane
 Concen: 20.165 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX009271.D
 Acq: 02 May 2019 12:42

Tgt Ion: 93 Resp: 26239
 Ion Ratio Lower Upper
 93 100
 95 82.5 0.0 167.2
 174 102.8 0.0 203.4





#41

Bromodichloromethane

Concen: 19.671 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX009271.D

Acq: 02 May 2019 12:42

Instrument :

MSVOA_X

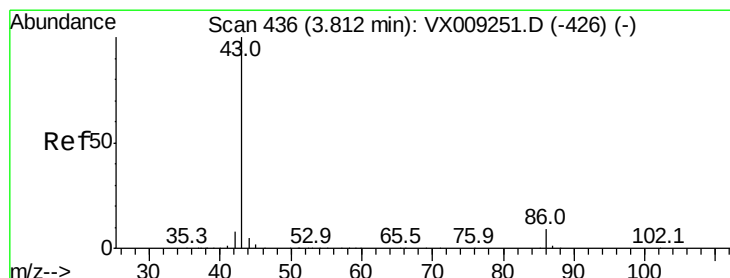
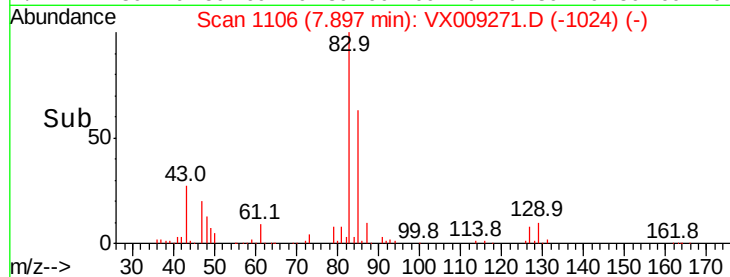
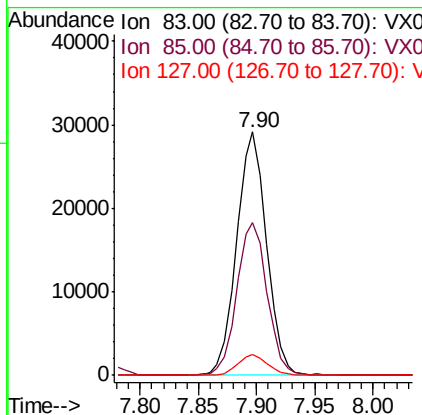
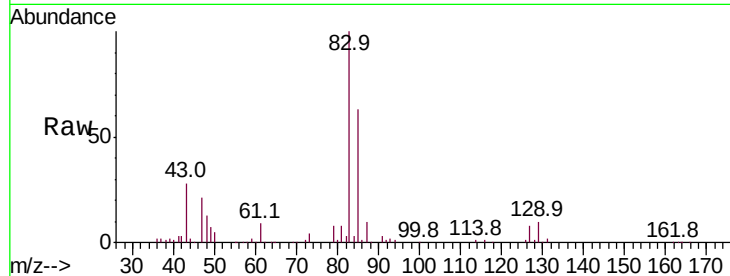
ClientSampleId :

VSTDCCC020EC

Tot Ion:	83	Resp:	52285
Ion	Ratio	Lower	Upper
83	100		
85	62.8	52.6	79.0
127	8.4	6.9	10.3

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#42

Vinyl Acetate

Concen: 99.742 ug/l

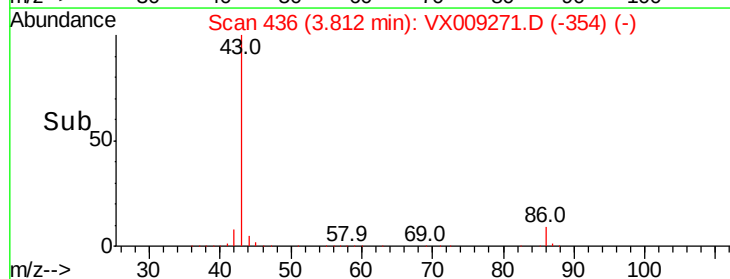
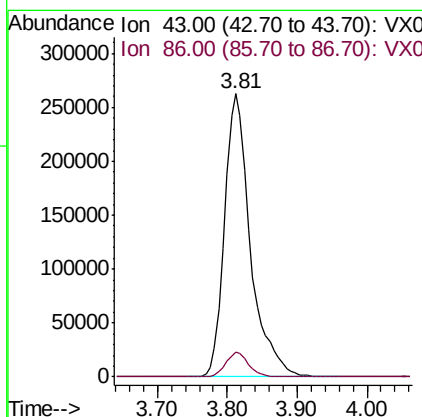
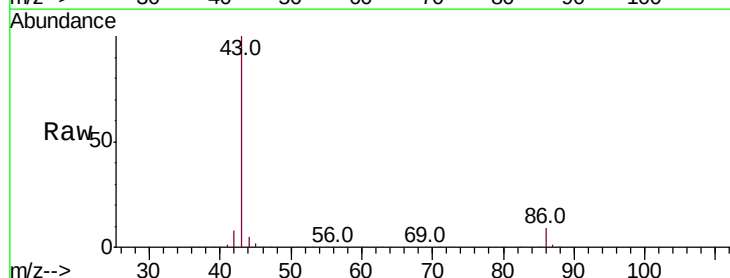
RT: 3.81 min Scan# 436

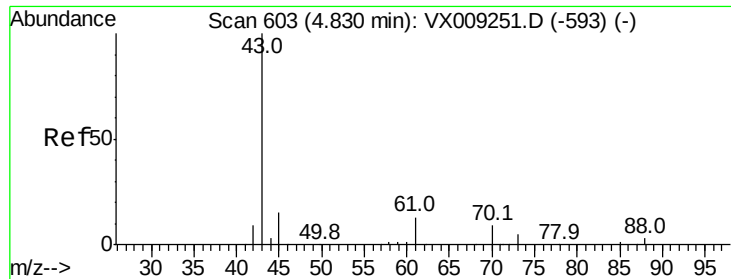
Delta R.T. 0.00 min

Lab File: VX009271.D

Acq: 02 May 2019 12:42

Tgt Ion:	43	Resp:	673231
Ion	Ratio	Lower	Upper
43	100		
86	7.7	6.0	9.0





#43

Ethyl Acetate

Concen: 19.817 ug/l

RT: 4.83 min Scan# 603

Delta R.T. 0.00 min

Lab File: VX009271.D

Acq: 02 May 2019 12:42

Tot Ion: 43 Resp: 73233

Ion Ratio Lower Upper

43 100

45 15.2 11.8 17.8

Instrument :

MSVOA_X

ClientSampleId :

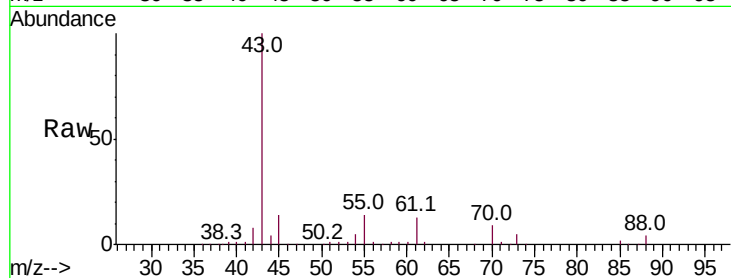
VSTDCCC020EC

Manual Integrations

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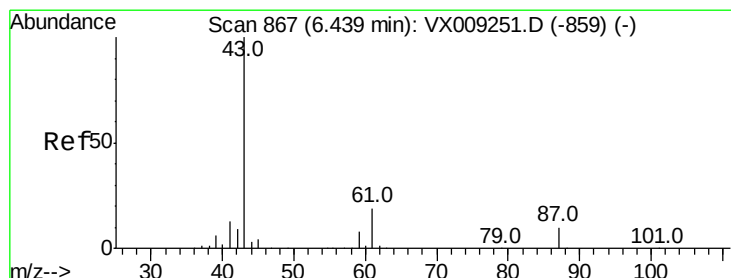
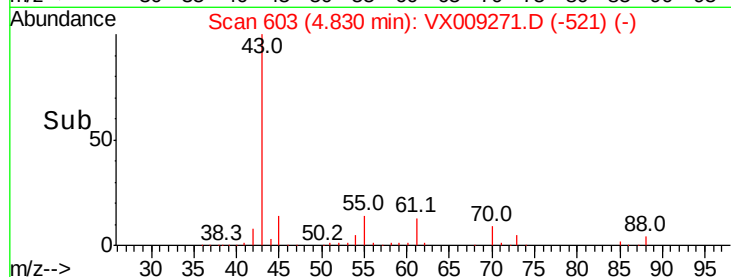
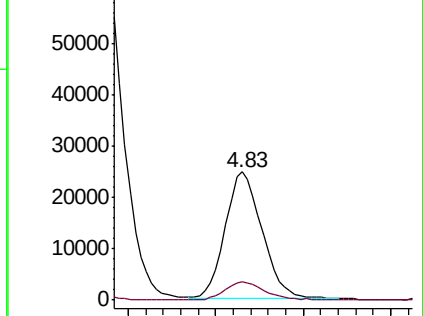
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#44

Isopropyl Acetate

Concen: 19.244 ug/l

RT: 6.44 min Scan# 867

Delta R.T. 0.00 min

Lab File: VX009271.D

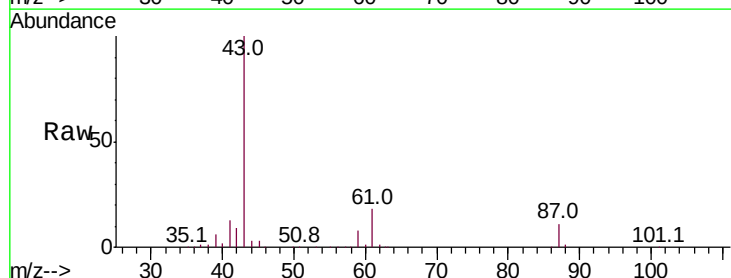
Acq: 02 May 2019 12:42

Tgt Ion: 43 Resp: 115207

Ion Ratio Lower Upper

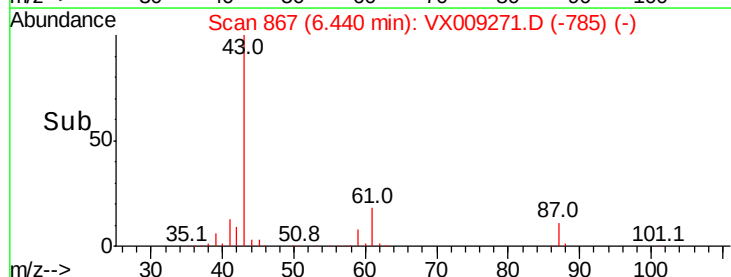
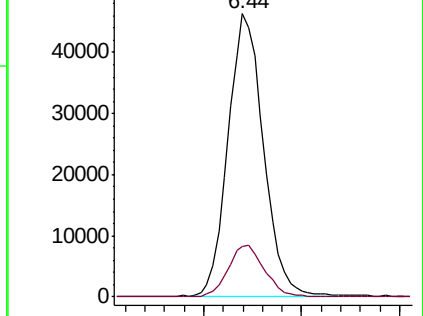
43 100

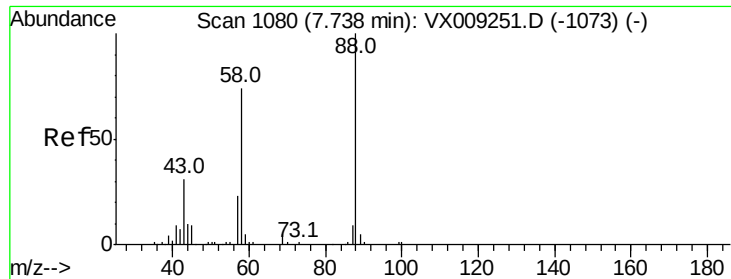
61 19.0 15.4 23.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#45

1,4-Dioxane

Concen: 396.743 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. 0.00 min

Lab File: VX009271.D

Acq: 02 May 2019 12:42

Instrument :

MSVOA_X

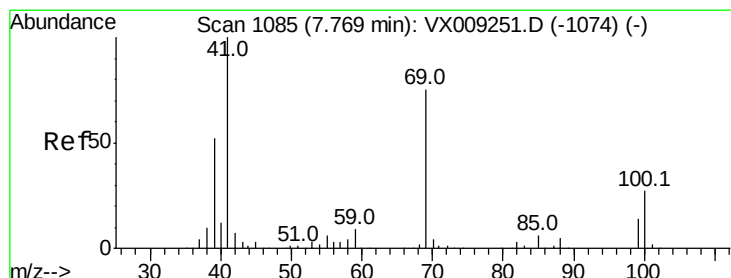
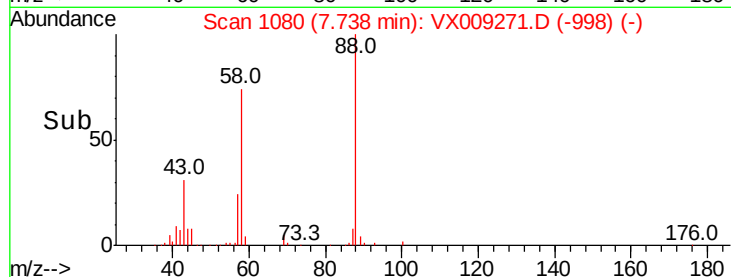
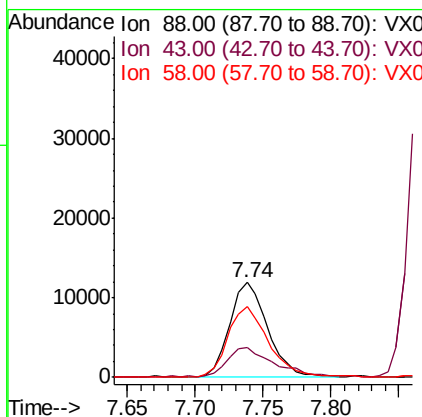
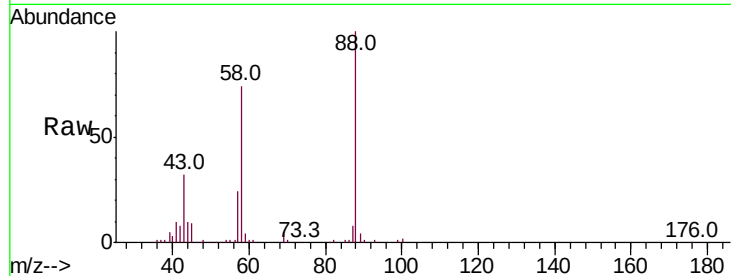
ClientSampleId :

VSTDCCC020EC

Tot Ion:	88	Resp:	23319
Ion	Ratio	Lower	Upper
88	100		
43	35.6	28.5	42.7
58	80.4	62.5	93.7

Manual Integrations
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#46

Methyl methacrylate

Concen: 19.418 ug/l

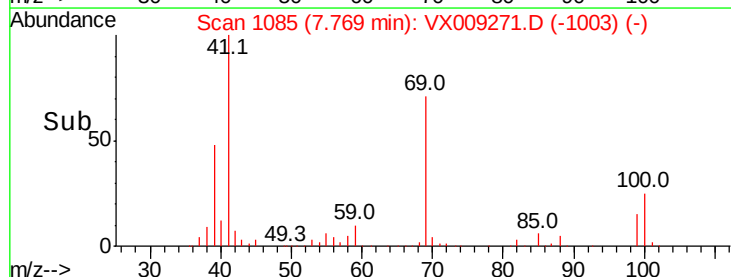
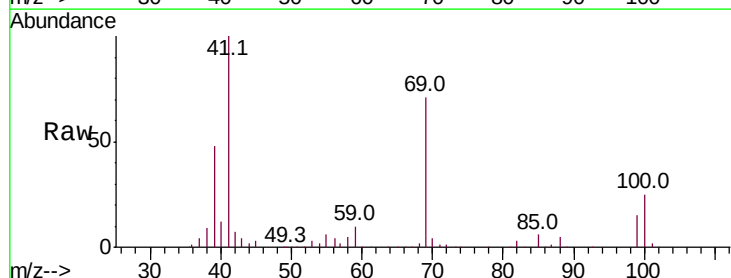
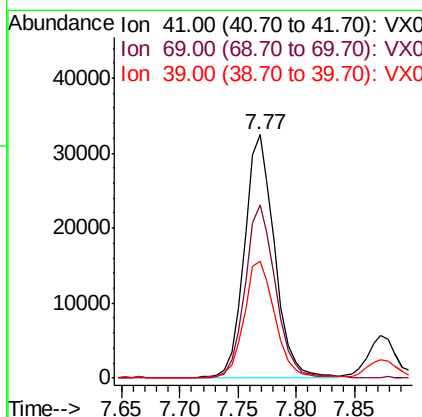
RT: 7.77 min Scan# 1085

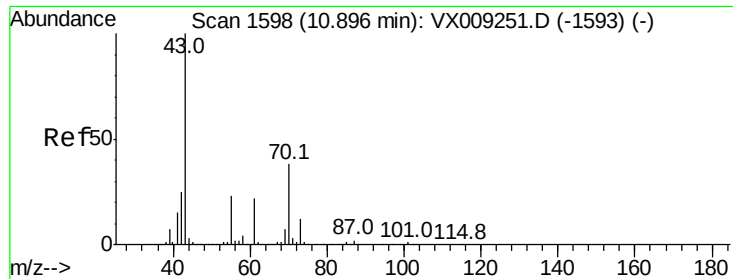
Delta R.T. 0.00 min

Lab File: VX009271.D

Acq: 02 May 2019 12:42

Tgt Ion:	41	Resp:	58023
Ion	Ratio	Lower	Upper
41	100		
69	71.2	37.6	112.8
39	47.5	25.8	77.3





#47

n-amvl Acetate

Concen: 18.959 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009271.D

Acq: 02 May 2019 12:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 43 Resp: 102244

Ion Ratio Lower Upper

43 100

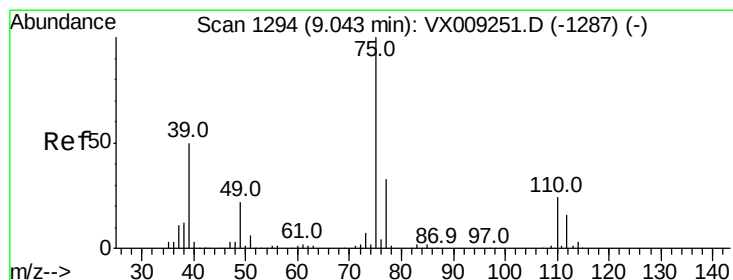
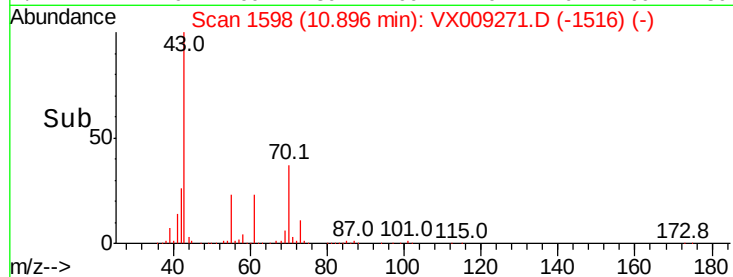
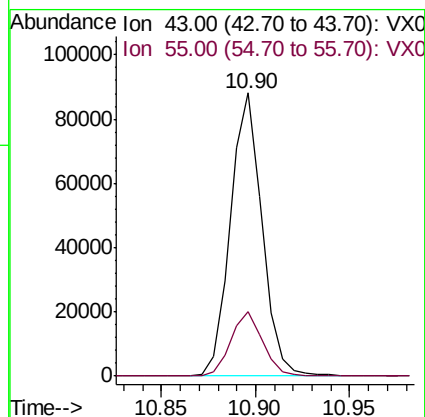
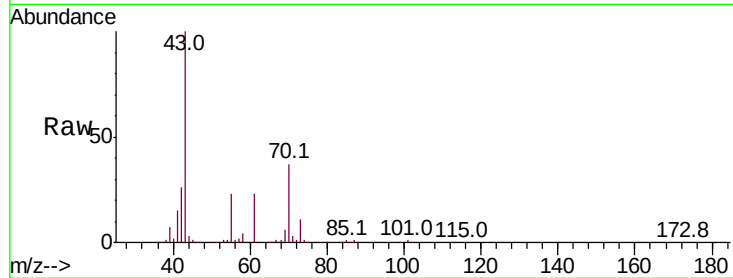
55 23.2 18.2 27.4

Manual Integrations

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MMDadoda

5/3/2019 11:19:53 AM



#48

t-1,3-Dichloropropene

Concen: 19.018 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.01 min

Lab File: VX009271.D

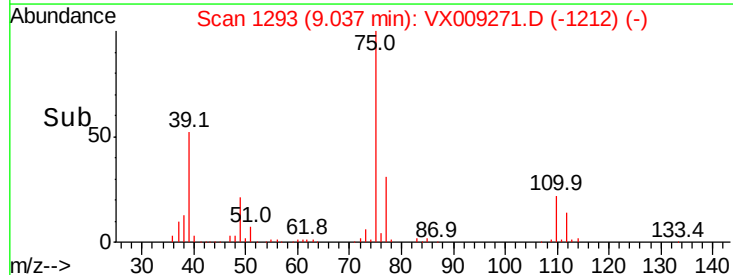
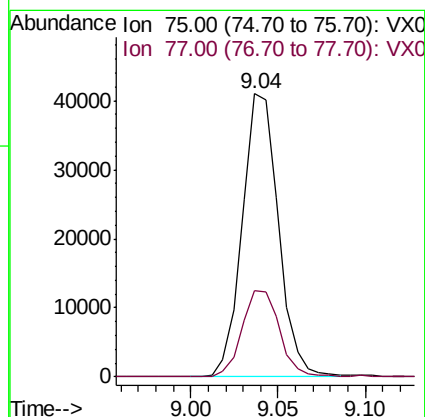
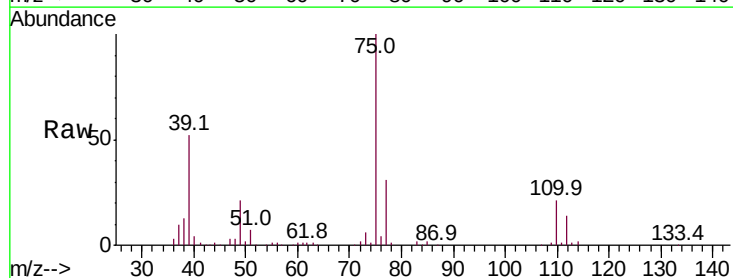
Acq: 02 May 2019 12:42

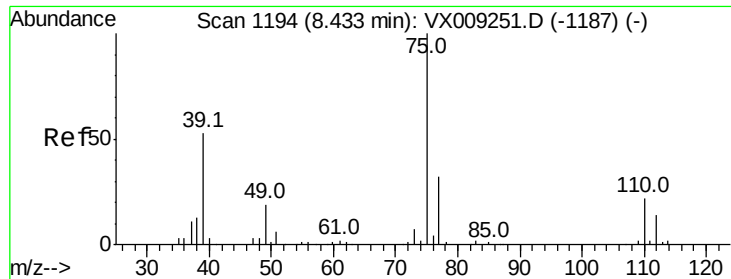
Tgt Ion: 75 Resp: 58979

Ion Ratio Lower Upper

75 100

77 30.4 26.5 39.7





#49

cis-1,3-Dichloropropene

Concen: 19.216 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX009271.D

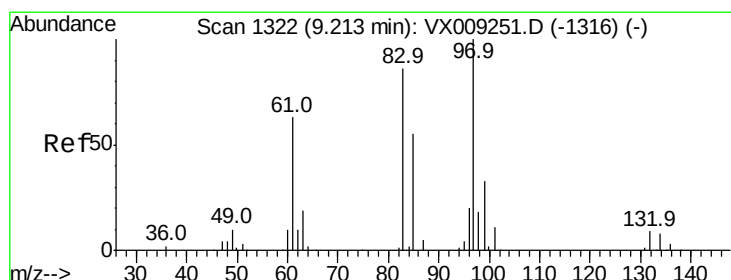
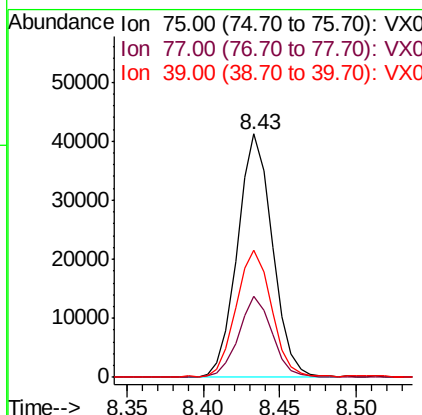
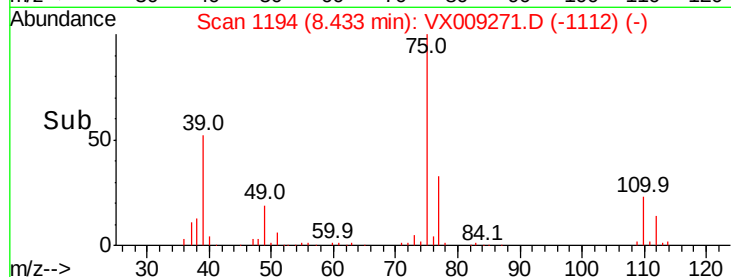
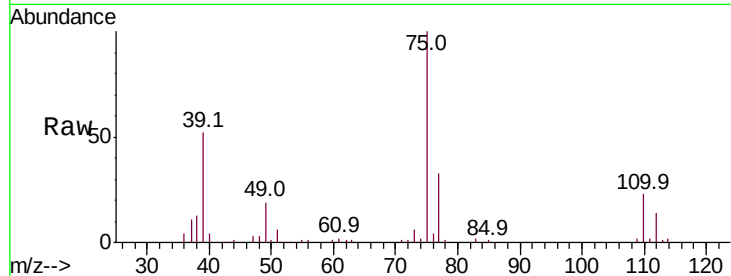
Acq: 02 May 2019 12:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.3	26.0	39.0
39	51.9	42.6	63.8

Manual Integrations
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5/3/2019 11:19:53 AM



#50

1,1,2-Trichloroethane

Concen: 20.029 ug/l

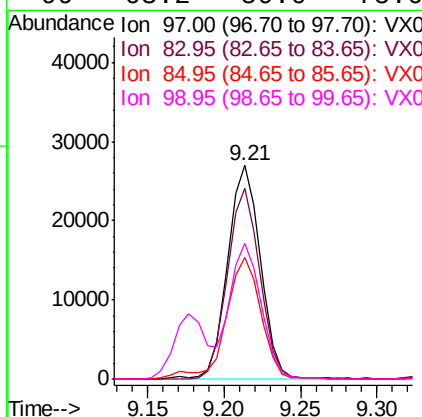
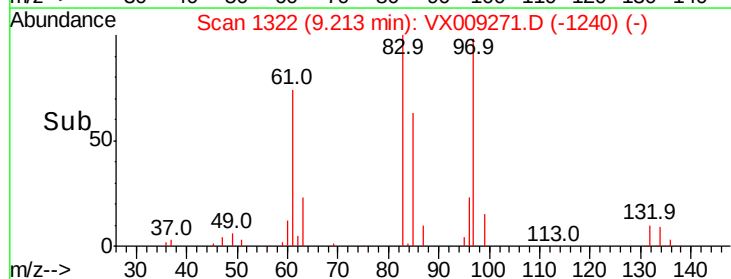
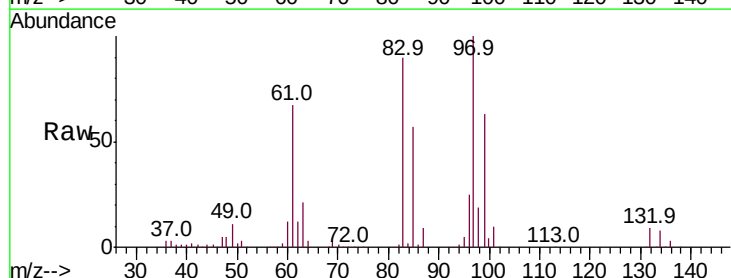
RT: 9.21 min Scan# 1322

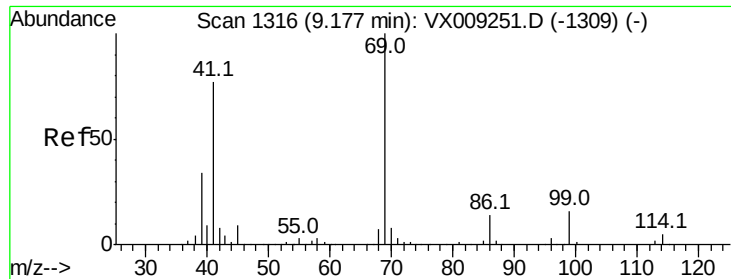
Delta R.T. 0.00 min

Lab File: VX009271.D

Acq: 02 May 2019 12:42

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.8	68.8	103.2
85	56.9	45.8	68.6
99	63.2	50.0	75.0





#51

Ethyl methacrylate

Concen: 19.434 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX009271.D

Acq: 02 May 2019 12:42

Instrument :

MSVOA_X

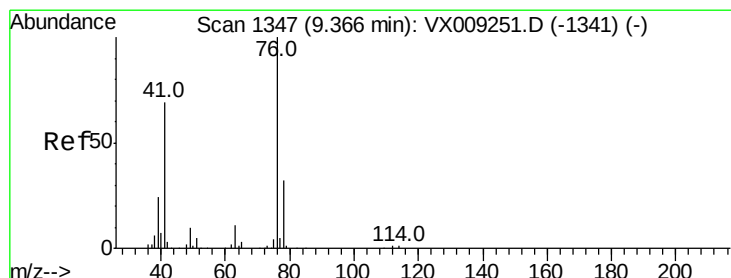
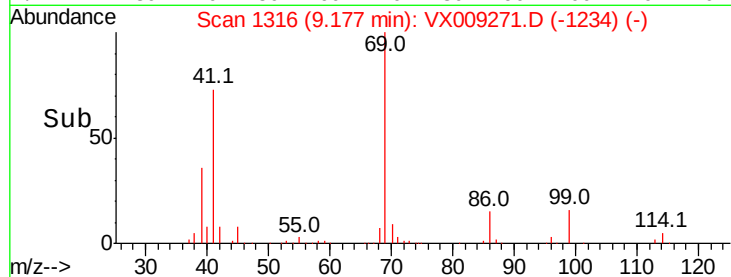
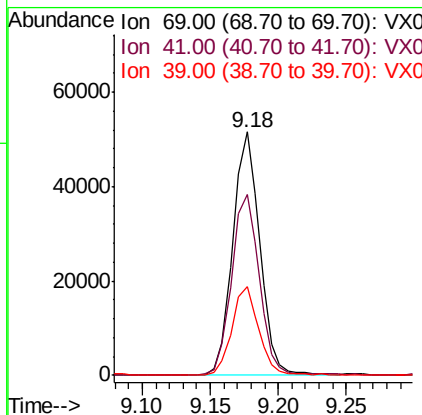
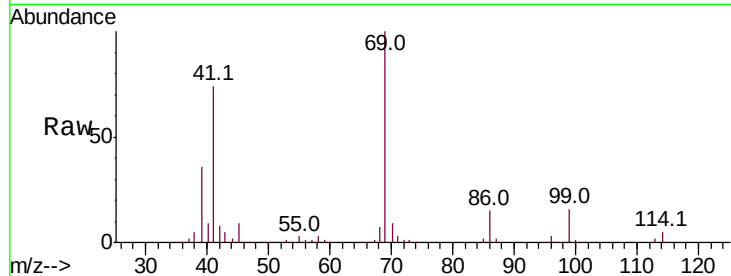
ClientSampleId :

VSTDCCC020EC

Tot Ion:	69	Resp:	71597
Ion Ratio	Lower	Upper	
69	100		
41	74.0	38.4	115.2
39	36.2	17.2	51.5

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 19.686 ug/l

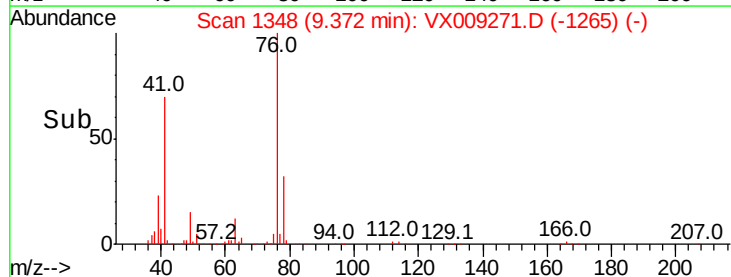
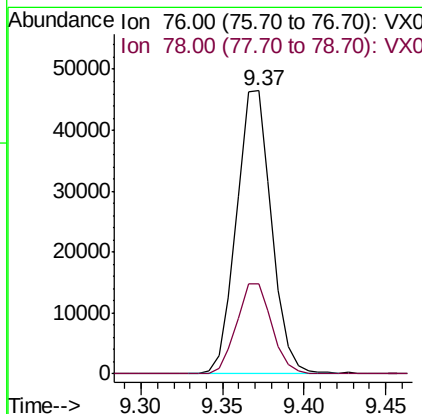
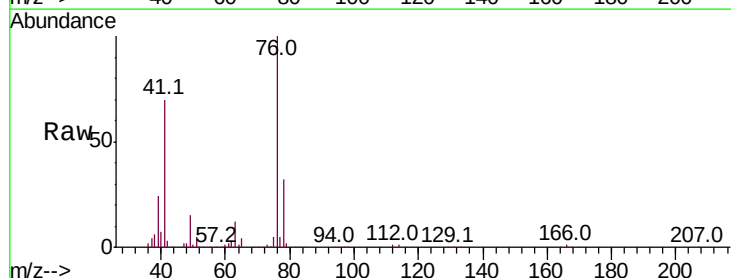
RT: 9.37 min Scan# 1348

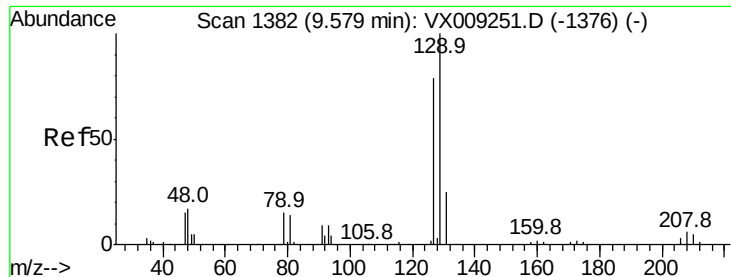
Delta R.T. 0.01 min

Lab File: VX009271.D

Acq: 02 May 2019 12:42

Tgt Ion:	76	Resp:	69650
Ion Ratio	Lower	Upper	
76	100		
78	32.2	0.0	64.2





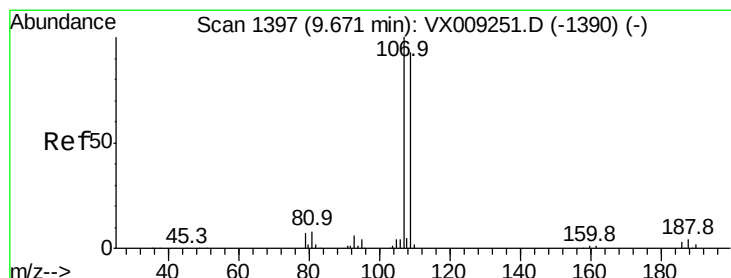
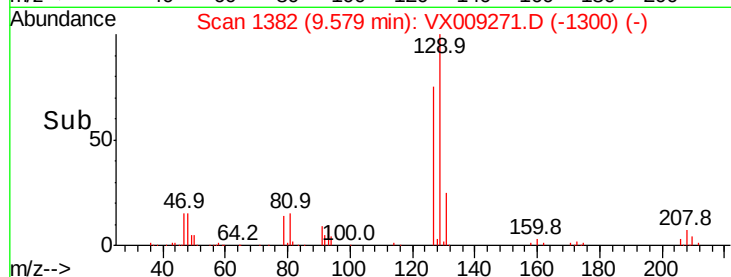
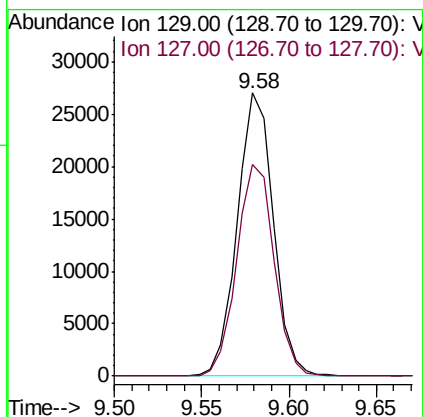
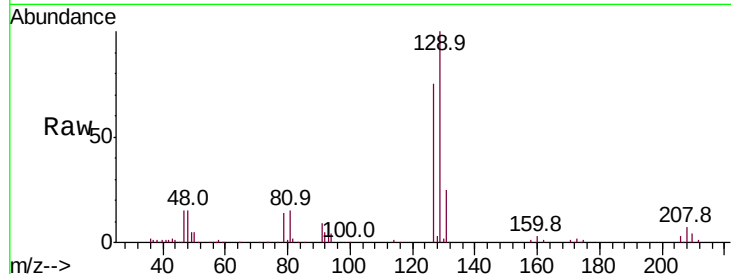
#53
Dibromochloromethane
Concen: 19.531 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX009271.D
Acq: 02 May 2019 12:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion:129 Resp: 38777
Ion Ratio Lower Upper
129 100
127 77.6 39.1 117.5

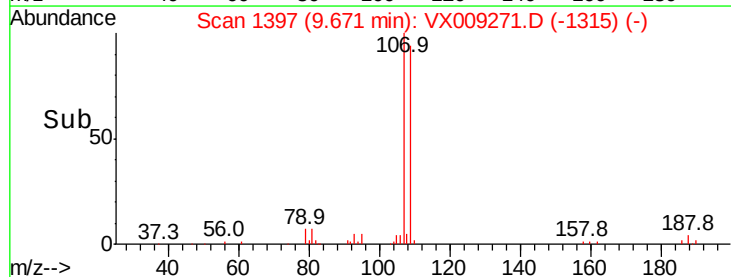
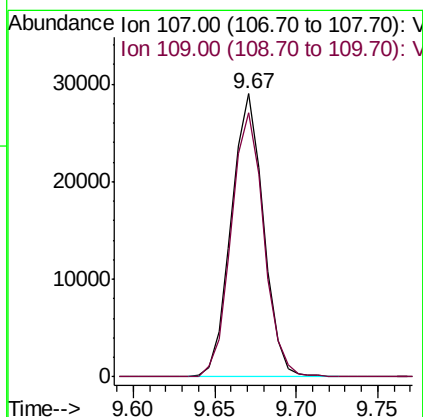
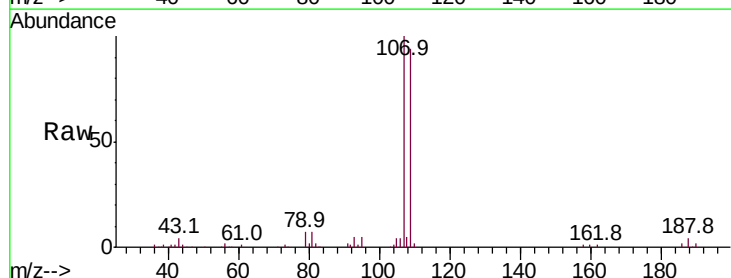
Manual Integrations
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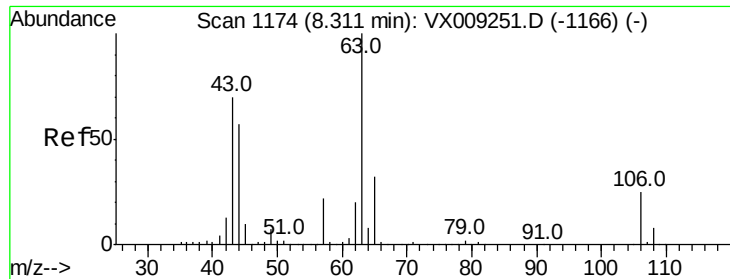
MMDadoda
5/3/2019 11:19:53 AM



#54
1,2-Dibromoethane
Concen: 19.519 ug/l
RT: 9.67 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VX009271.D
Acq: 02 May 2019 12:42

Tgt Ion:107 Resp: 39910
Ion Ratio Lower Upper
107 100
109 94.9 75.5 113.3





#55

2-Chloroethyl vinyl ether

Concen: 94.054 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX009271.D

Acq: 02 May 2019 12:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 63 Resp: 184640

Ion Ratio Lower Upper

63 100

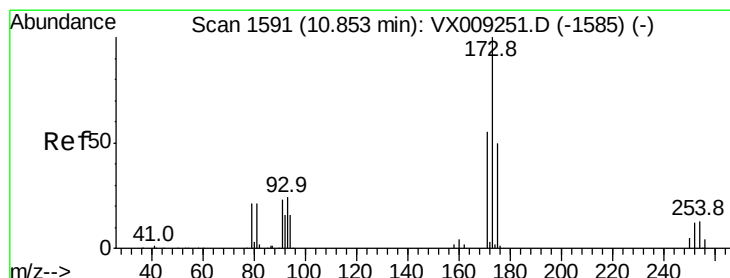
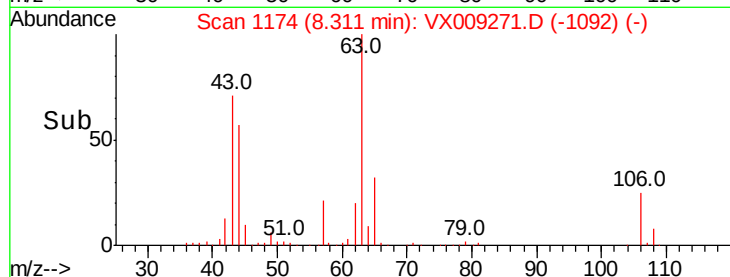
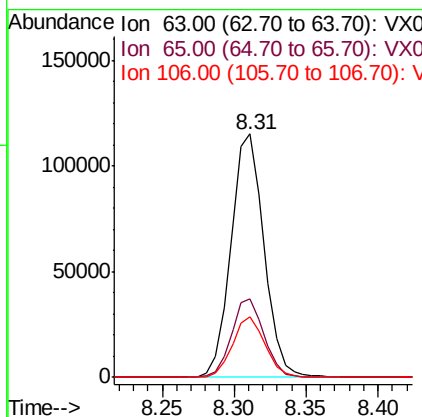
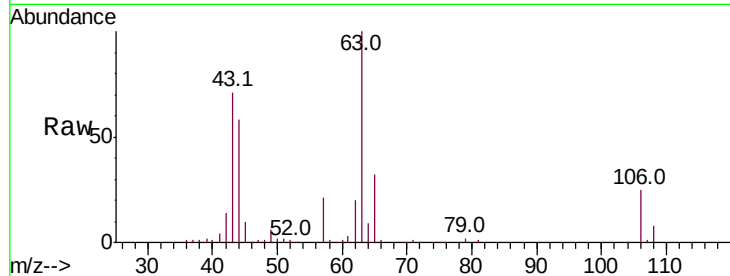
65 32.0 25.8 38.6

106 24.5 19.8 29.6

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#56

Bromoform

Concen: 18.715 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX009271.D

Acq: 02 May 2019 12:42

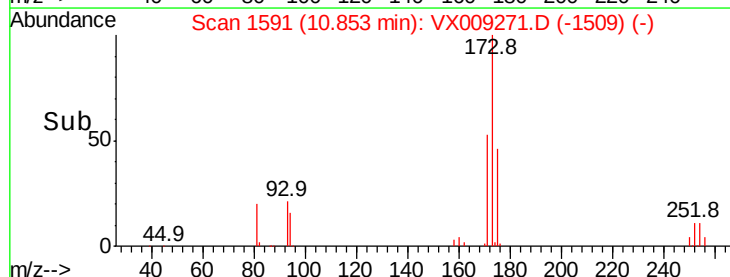
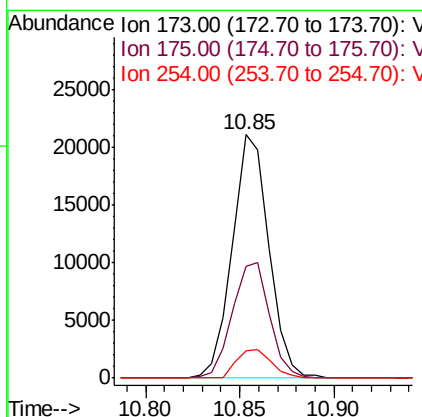
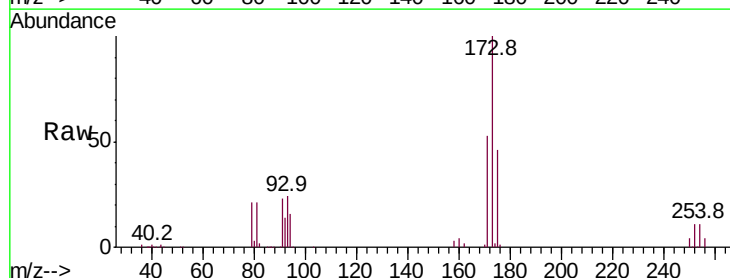
Tgt Ion:173 Resp: 28524

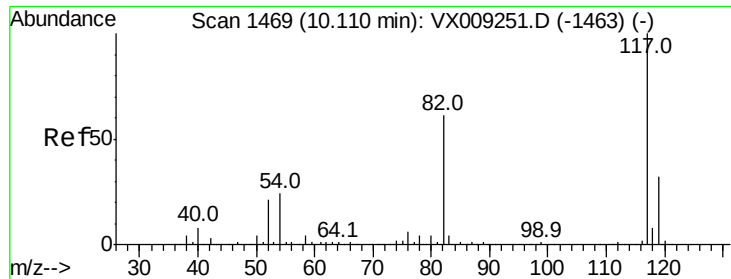
Ion Ratio Lower Upper

173 100

175 48.2 39.4 59.2

254 11.2 9.9 14.9





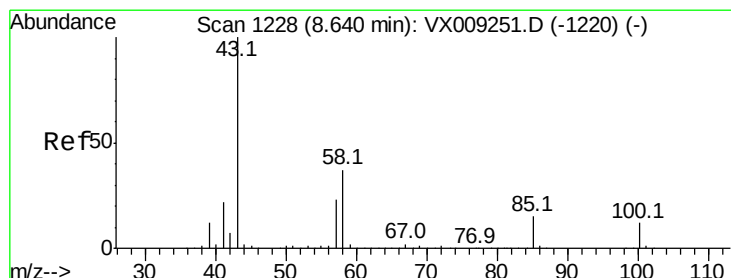
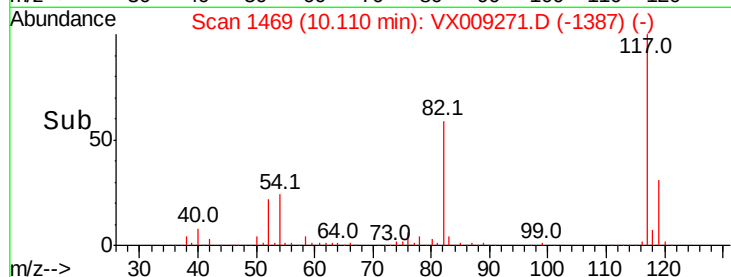
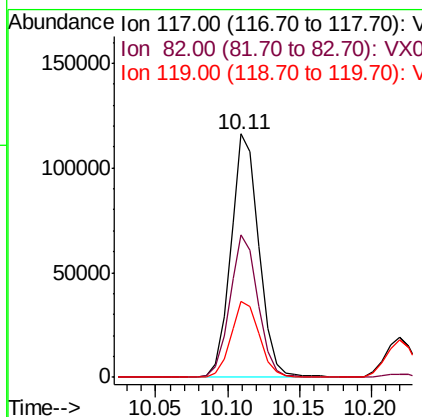
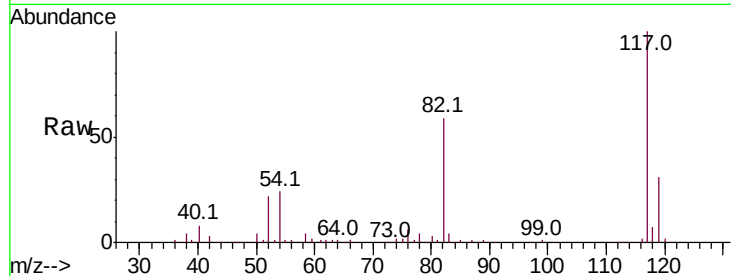
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009271.D
Acq: 02 May 2019 12:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.9	47.8	71.8
119	31.6	25.6	38.4

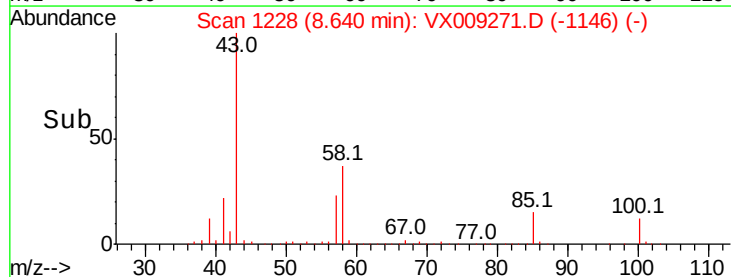
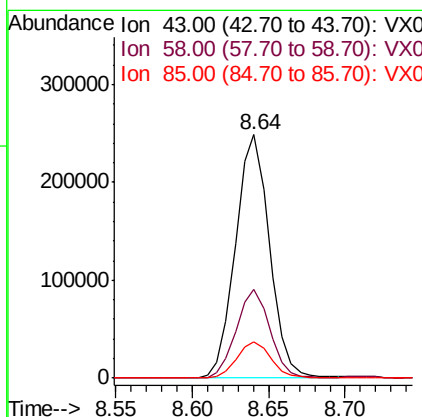
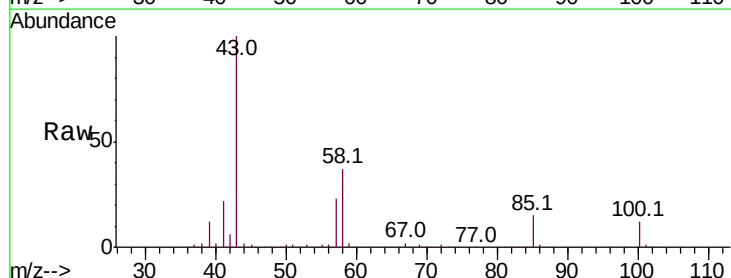
Manual Integrations
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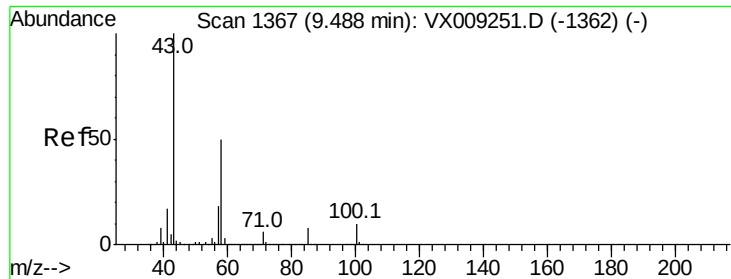
MMDadoda
5/3/2019 11:19:53 AM



#58
4-Methyl-2-Pentanone
Concen: 98.728 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX009271.D
Acq: 02 May 2019 12:42

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.2	29.4	44.0
85	14.8	11.8	17.8





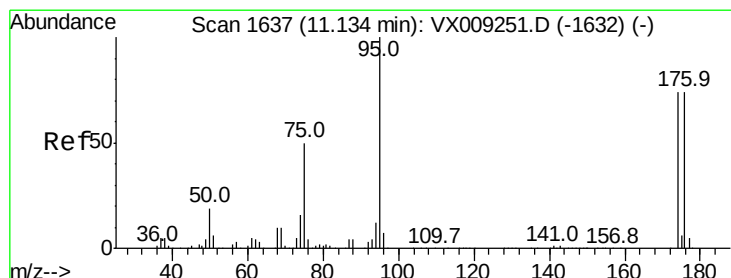
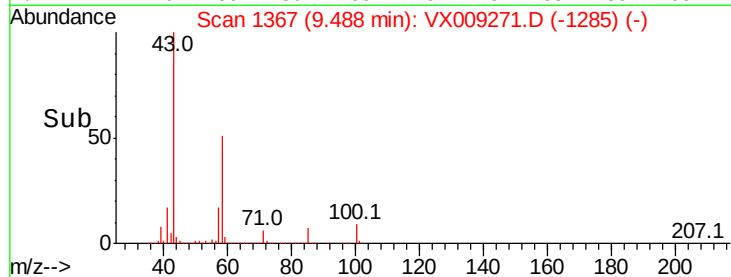
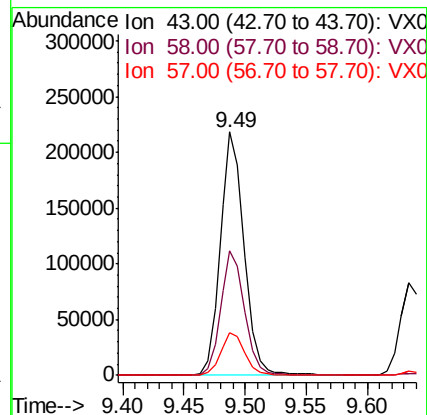
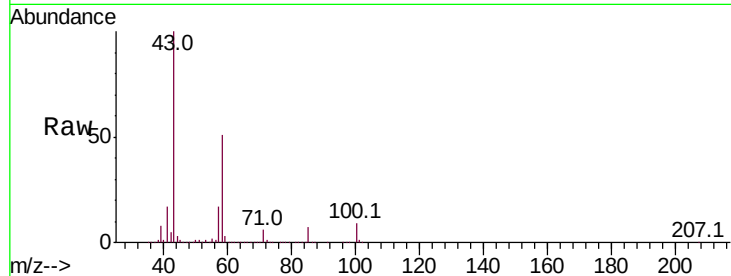
#59
2-Hexanone
Concen: 97.041 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX009271.D
Acq: 02 May 2019 12:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	43	Resp	295799
Ion	Ratio	Lower	Upper
43	100		
58	51.1	40.8	61.2
57	17.6	14.1	21.1

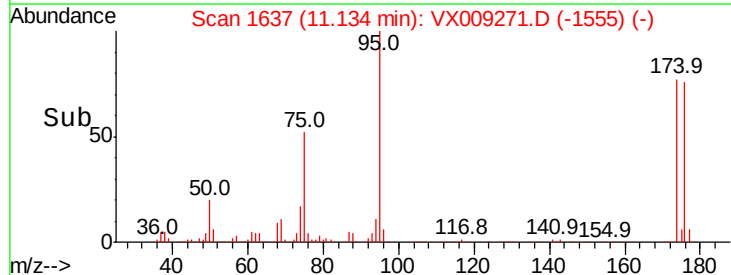
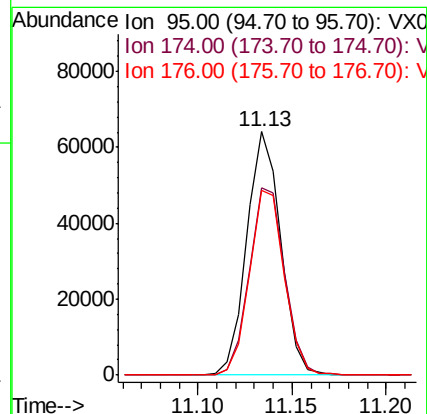
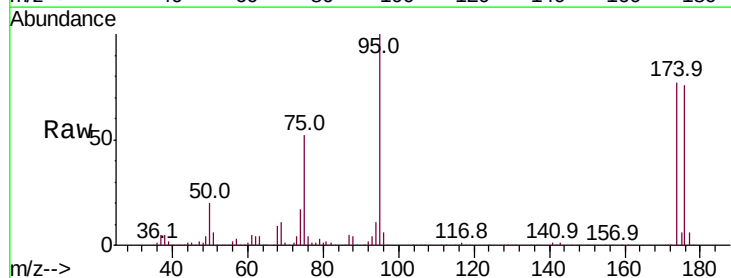
Manual Integrations
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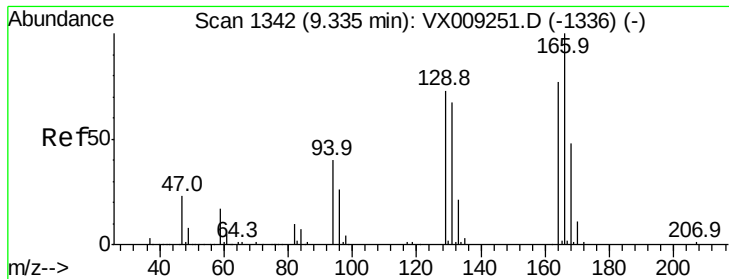
MMDadoda
5/3/2019 11:19:53 AM



#60
4-Bromofluorobenzene
Concen: 29.937 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX009271.D
Acq: 02 May 2019 12:42

Tgt Ion	95	Resp	80400
Ion	Ratio	Lower	Upper
95	100		
174	79.9	63.6	95.4
176	77.8	62.4	93.6





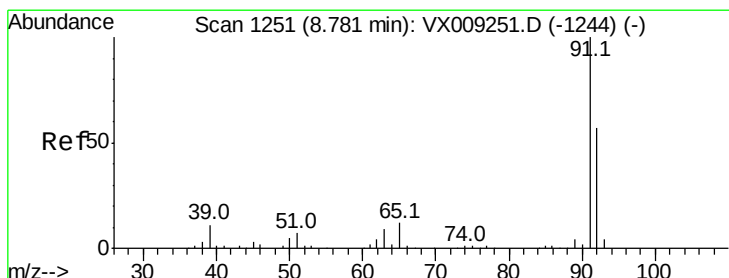
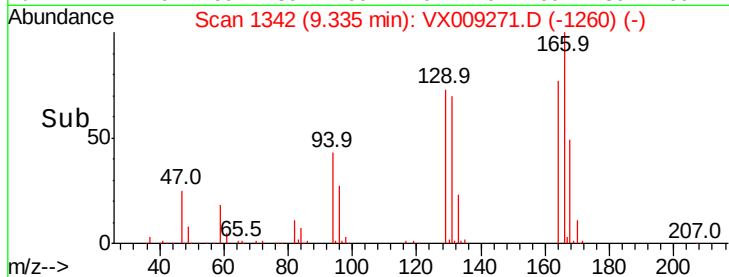
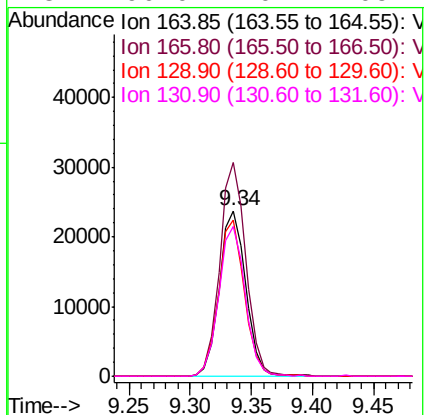
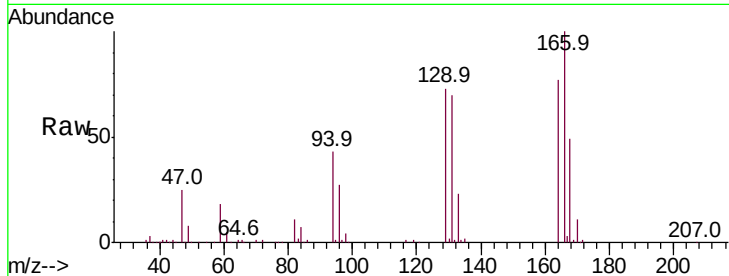
#61
Tetrachloroethene
Concen: 20.525 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009271.D
Acq: 02 May 2019 12:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
164	100		
166	129.2	104.1	156.1
129	94.0	76.0	114.0
131	90.0	70.1	105.1

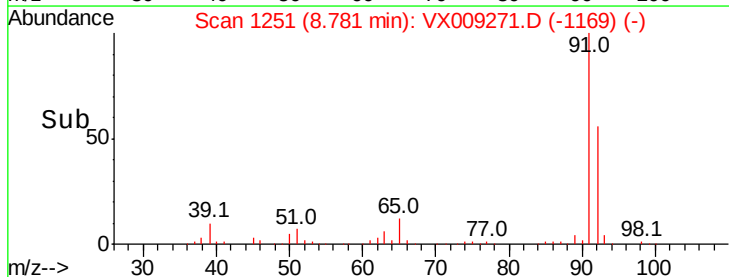
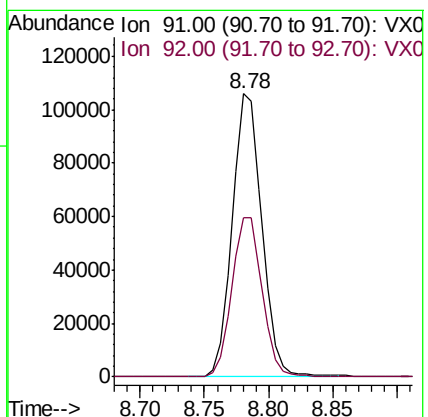
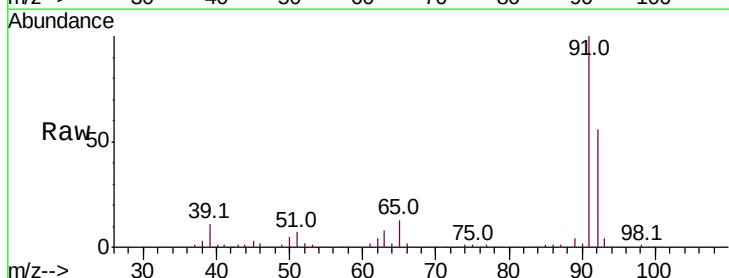
Manual Integrations
APPROVED

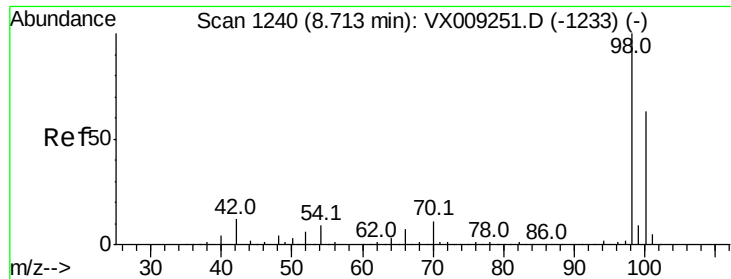
MMDadoda
5/3/2019 11:19:53 AM



#62
Toluene
Concen: 20.126 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VX009271.D
Acq: 02 May 2019 12:42

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.7	46.1	69.1





#63

Toluene-d8

Concen: 30.176 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009271.D

Acq: 02 May 2019 12:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 98 Resp: 226119

Ion Ratio Lower Upper

98 100

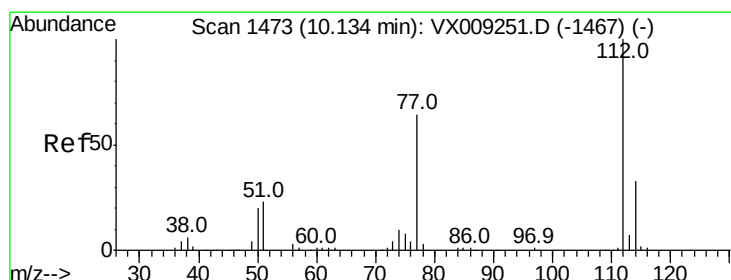
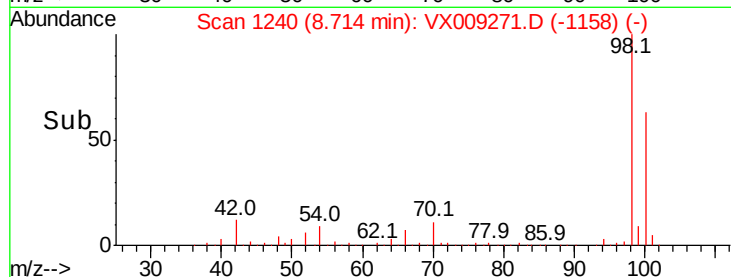
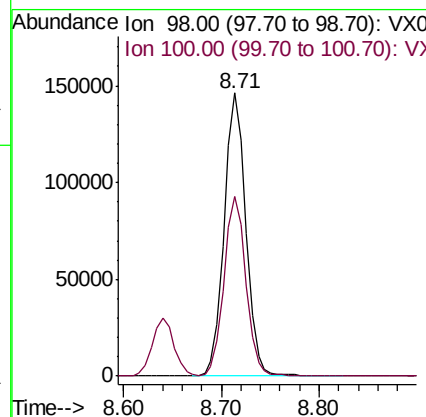
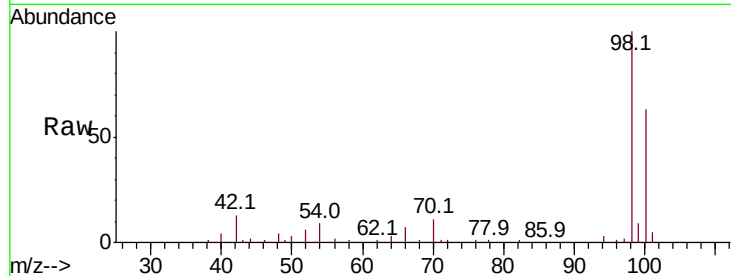
100 63.6 52.3 78.5

Manual Integrations

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#64

Chlorobenzene

Concen: 19.745 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX009271.D

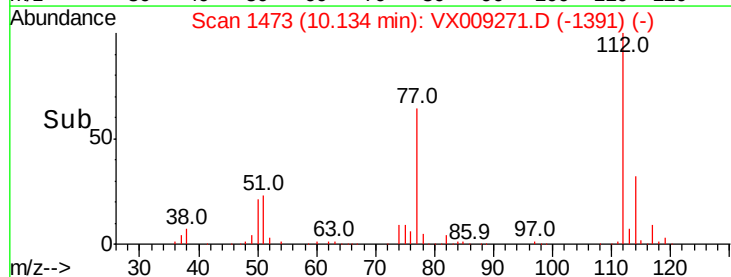
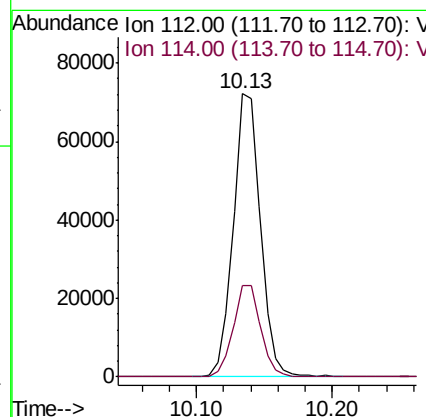
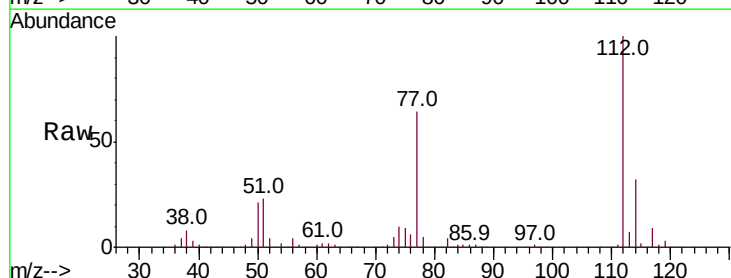
Acq: 02 May 2019 12:42

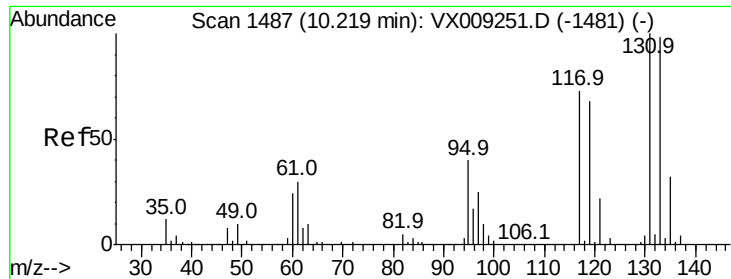
Tgt Ion: 112 Resp: 100362

Ion Ratio Lower Upper

112 100

114 32.4 26.2 39.2





#65

1,1,1,2-Tetrachloroethane

Concen: 19.649 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX009271.D

Acq: 02 May 2019 12:42

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC020EC

Tot Ion:131 Resp: 36568

Ion Ratio Lower Upper

131 100

133 94.9 0.0 191.2

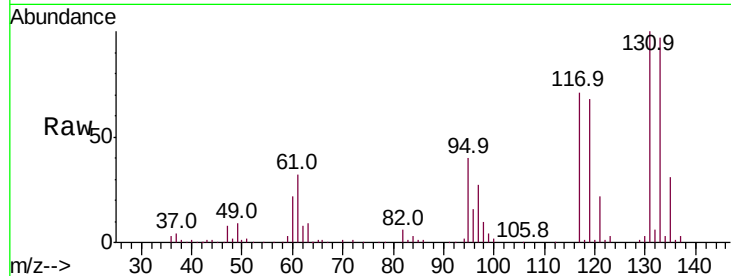
119 66.0 0.0 135.4

Manual Integrations

APPROVED

MMDadoda

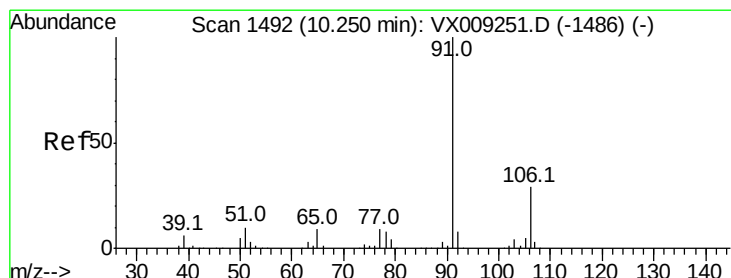
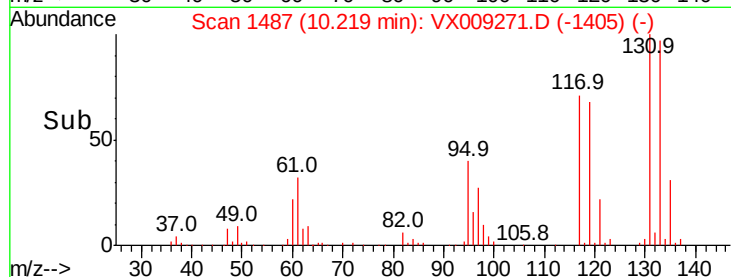
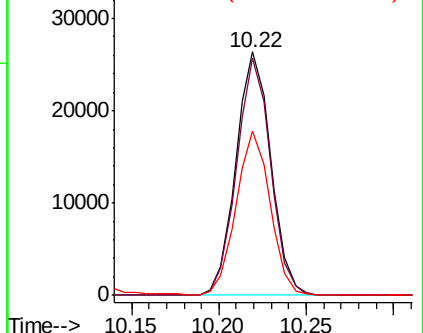
5/3/2019 11:19:53 AM



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 19.900 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX009271.D

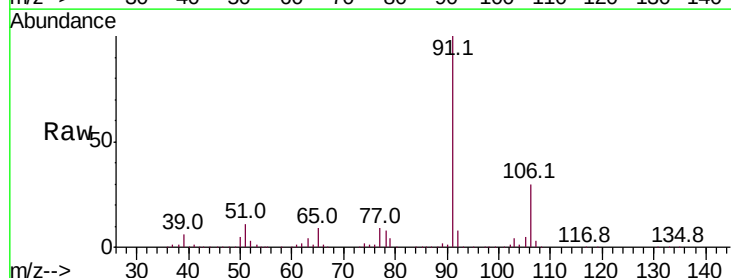
Acq: 02 May 2019 12:42

Tgt Ion: 91 Resp: 187231

Ion Ratio Lower Upper

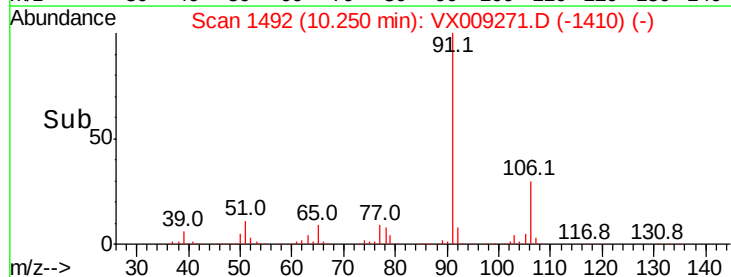
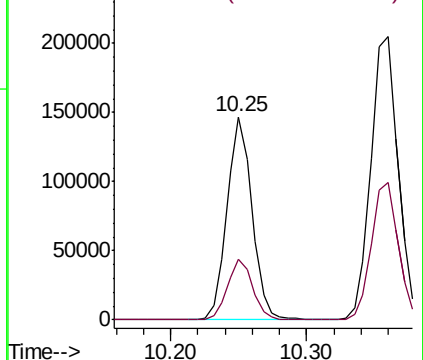
91 100

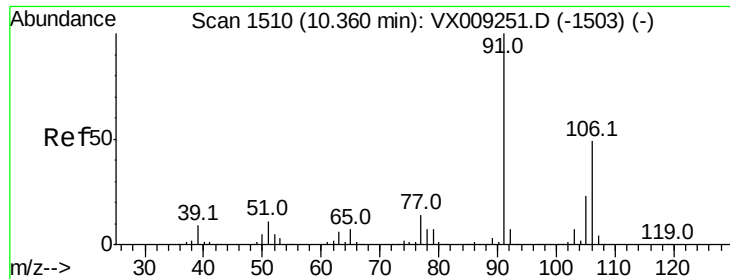
106 29.7 23.5 35.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 40.118 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX009271.D

Acq: 02 May 2019 12:42

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion:106 Resp: 137809

Ion Ratio Lower Upper

106 100

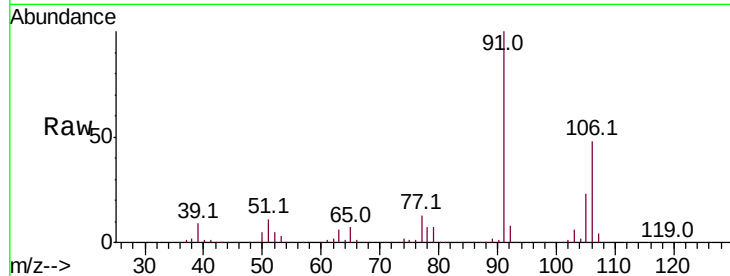
91 208.6 166.8 250.2

Manual Integrations

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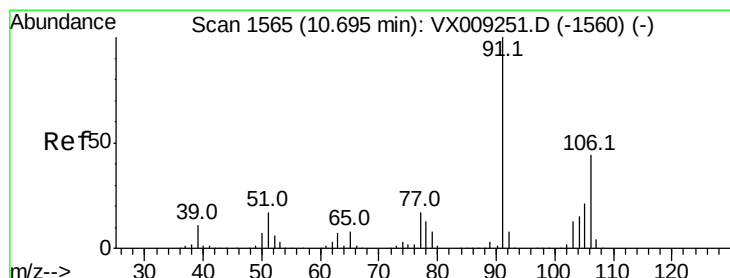
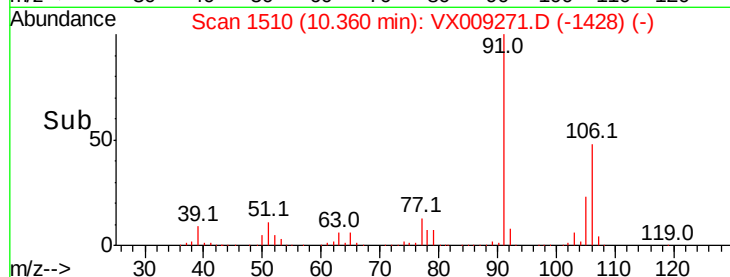
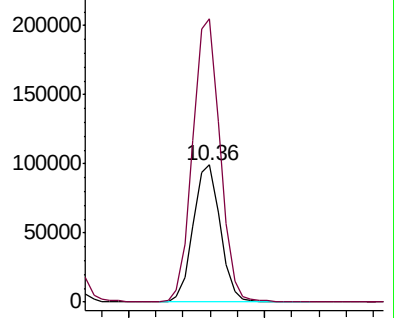
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 19.875 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VX009271.D

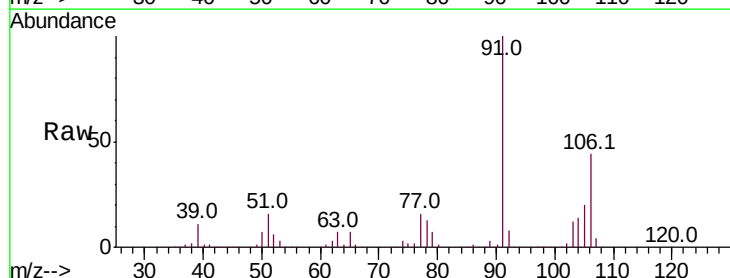
Acq: 02 May 2019 12:42

Tgt Ion:106 Resp: 67130

Ion Ratio Lower Upper

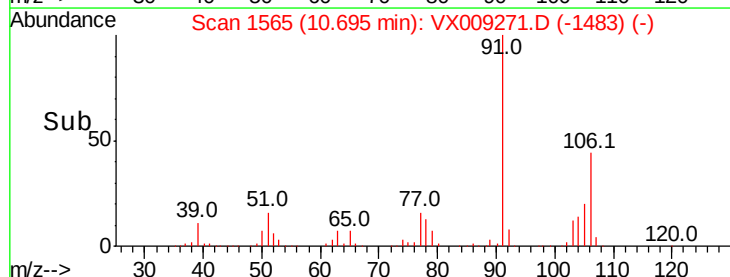
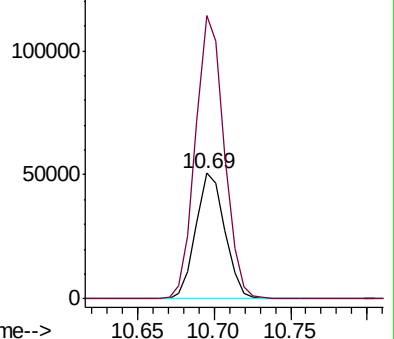
106 100

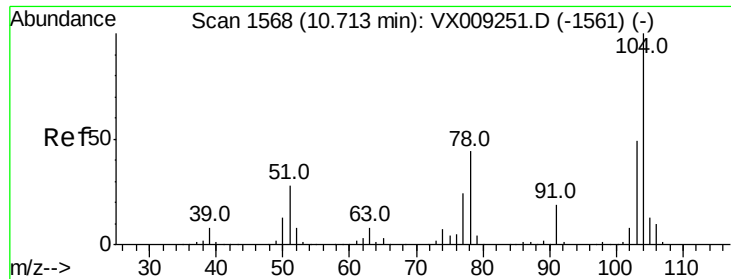
91 221.2 110.8 332.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





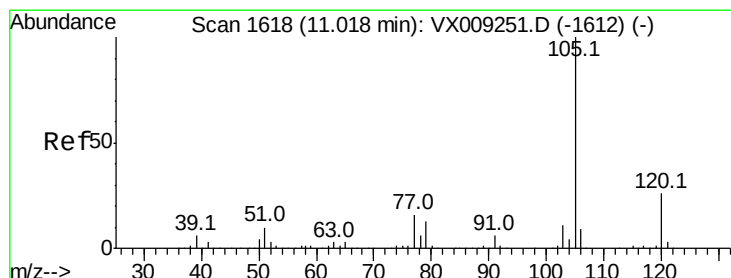
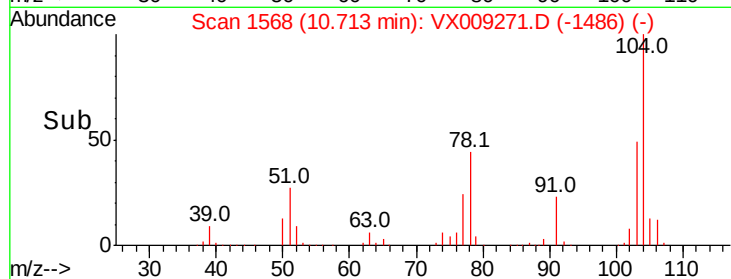
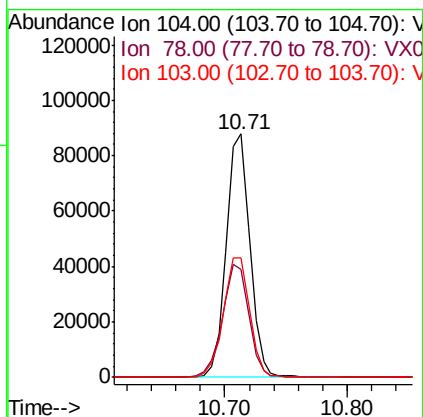
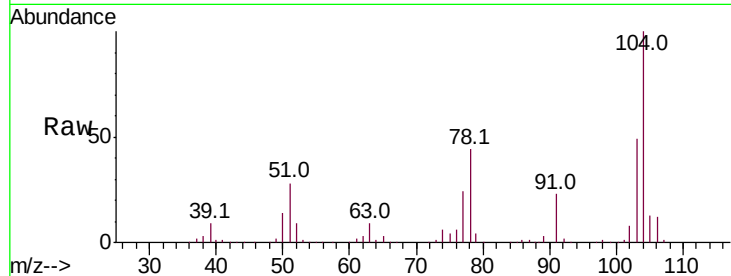
#69
Stvrene
Concen: 19.816 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX009271.D
Acq: 02 May 2019 12:42

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	51.9	41.1	61.7
103	55.0	43.8	65.8

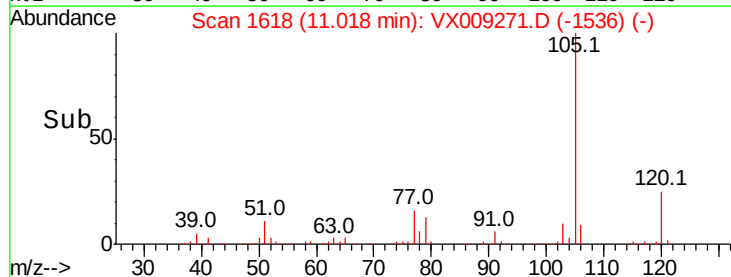
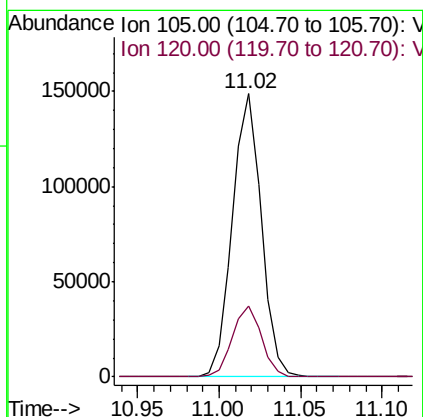
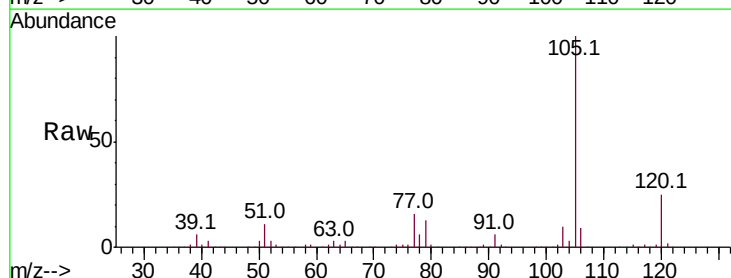
Manual Integrations
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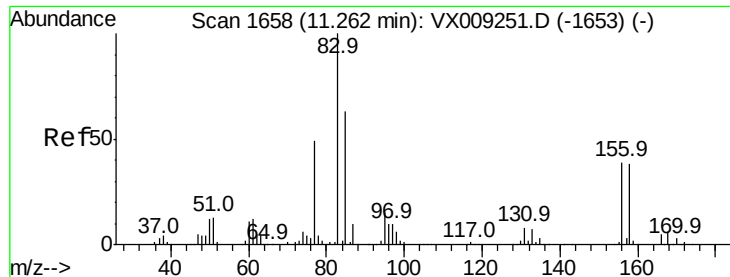
MMDadoda
5/3/2019 11:19:53 AM



#70
Isopropylbenzene
Concen: 20.278 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX009271.D
Acq: 02 May 2019 12:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.1	18.1	33.7





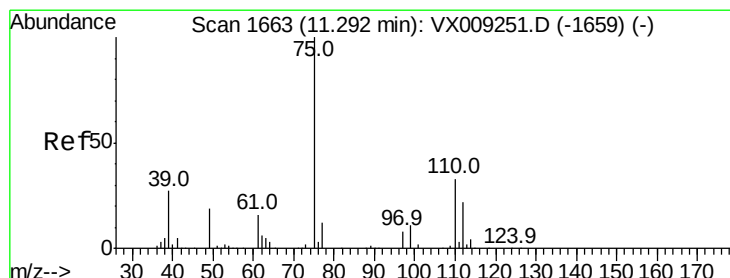
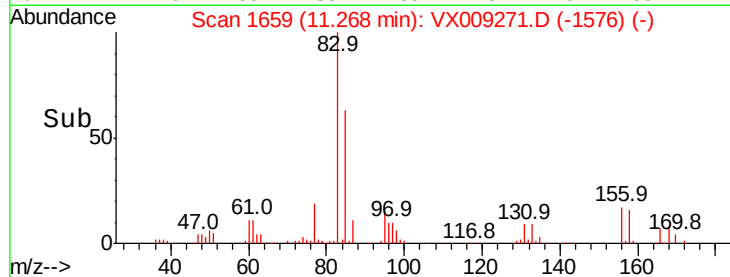
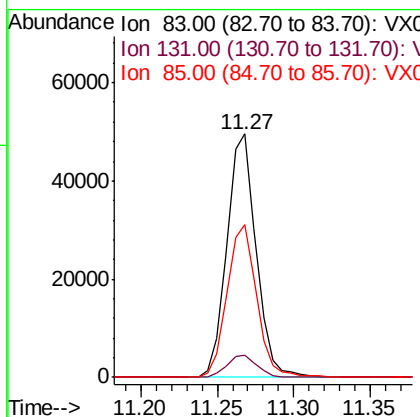
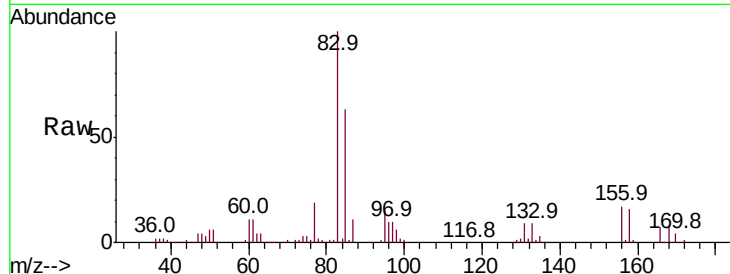
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.743 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. 0.01 min
 Lab File: VX009271.D
 Acq: 02 May 2019 12:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	83	Resp	65679
Ion Ratio	100	Lower	Upper
83	100		
131	9.2	4.7	14.0
85	63.5	32.4	97.2

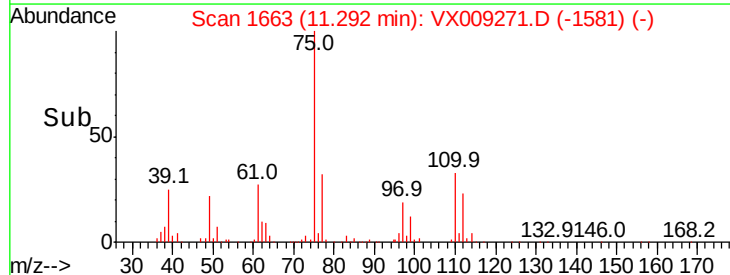
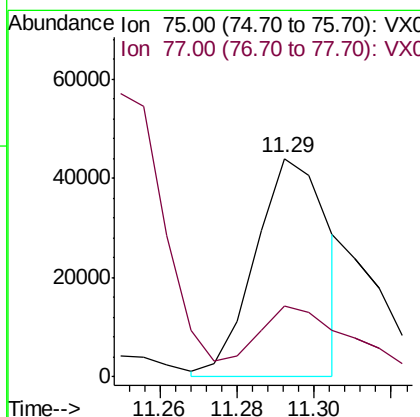
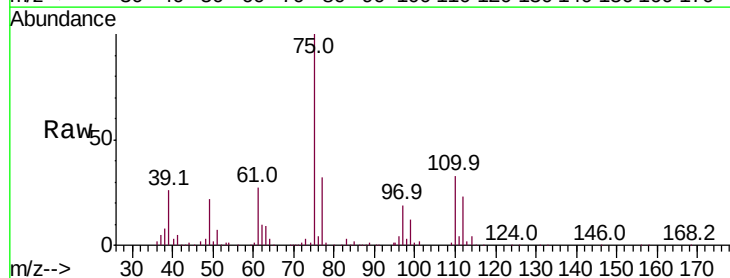
Manual Integrations
 APPROVED

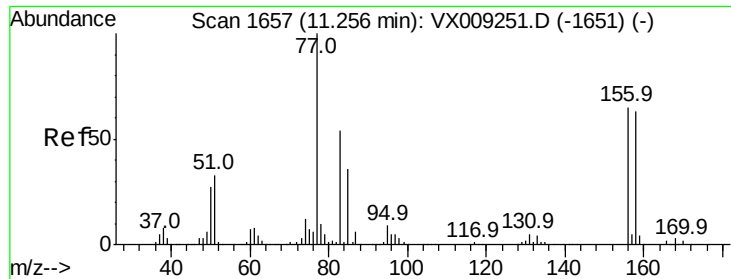
MMDadoda
 5/3/2019 11:19:53 AM



#72
 1,2,3-Trichloropropane
 Concen: 20.027 ug/l m
 RT: 11.29 min Scan# 1663
 Delta R.T. 0.00 min
 Lab File: VX009271.D
 Acq: 02 May 2019 12:42

Tgt Ion	75	Resp	57415
Ion Ratio	100	Lower	Upper
75	100		
77	43.3	0.0	86.4





#73

Bromobenzene

Concen: 19.493 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX009271.D

Acq: 02 May 2019 12:42

Instrument :

MSVOA_X

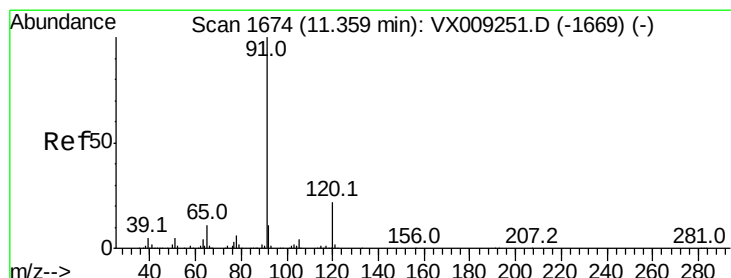
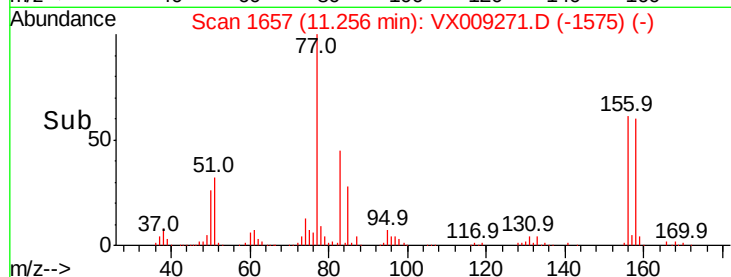
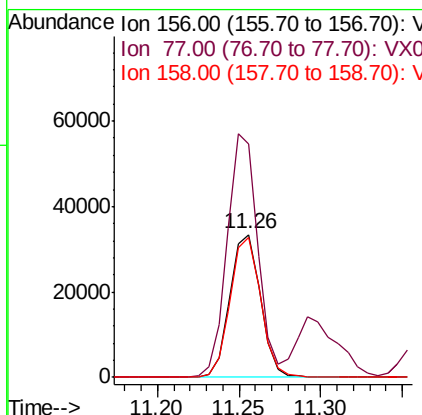
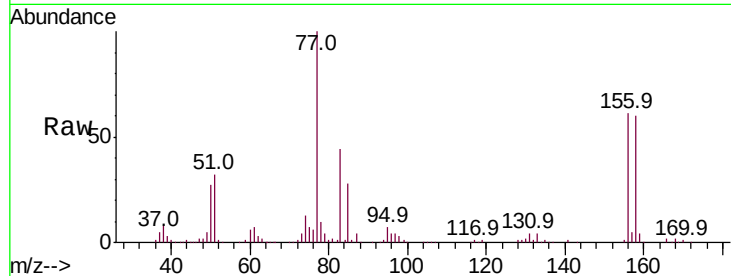
ClientSampleId :

VSTDCCC020EC

Tot Ion:	156	Resp:	43750
Ion Ratio	Lower	Upper	
156	100		
77	169.3	0.0	335.6
158	97.8	0.0	191.2

Manual Integrations
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#74

n-propylbenzene

Concen: 20.112 ug/l

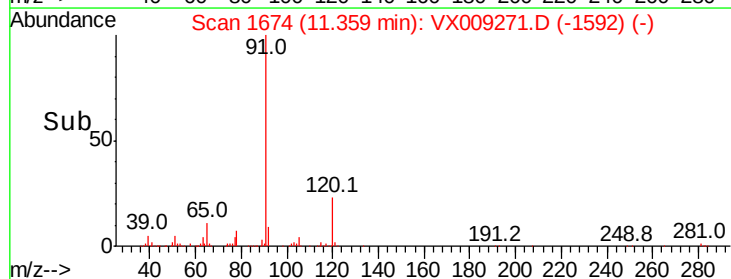
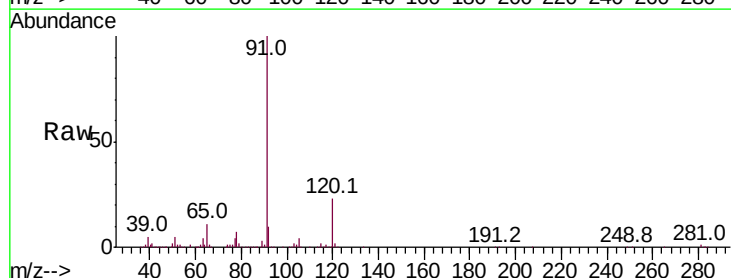
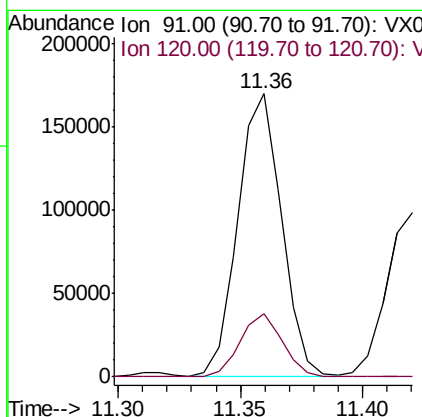
RT: 11.36 min Scan# 1674

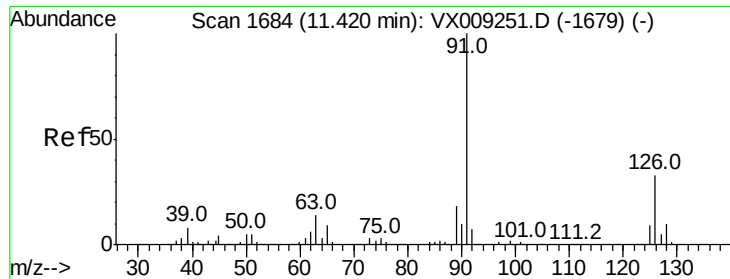
Delta R.T. 0.00 min

Lab File: VX009271.D

Acq: 02 May 2019 12:42

Tgt Ion:	91	Resp:	211711
Ion Ratio	Lower	Upper	
91	100		
120	21.7	0.0	43.4





#75

2-Chlorotoluene

Concen: 19.902 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX009271.D

Acq: 02 May 2019 12:42

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC020EC

Tot Ion: 91 Resp: 125657

Ion Ratio Lower Upper

91 100

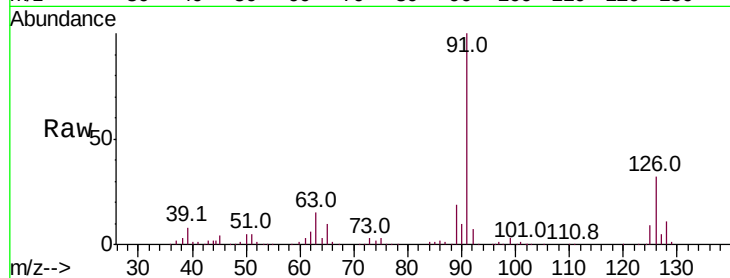
126 32.6 0.0 64.0

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX009271.D (-1679) (-)

Ion 126.00 (125.70 to 126.70): VX009271.D (-1679) (-)

200000

150000

100000

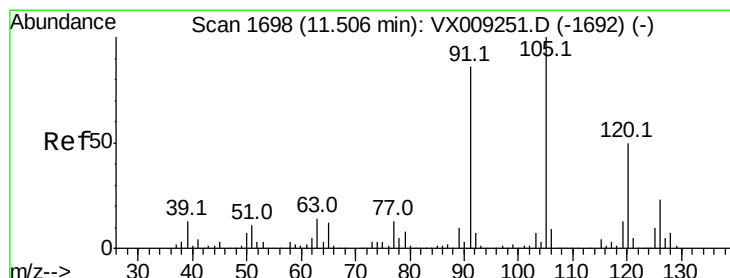
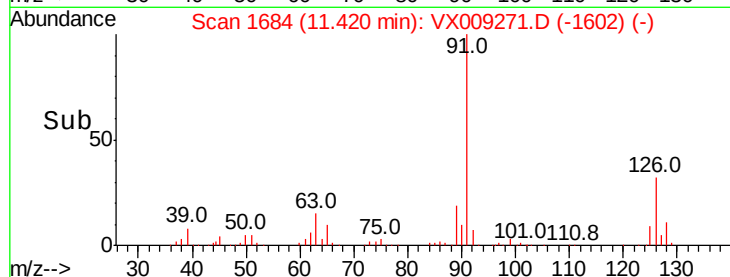
50000

0

11.42

11.45

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 20.058 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009271.D

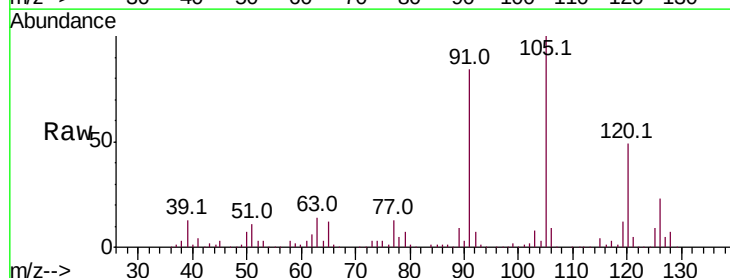
Acq: 02 May 2019 12:42

Tgt Ion: 105 Resp: 154337

Ion Ratio Lower Upper

105 100

120 47.9 0.0 97.4



Abundance Ion 105.00 (104.70 to 105.70): VX009271.D (-1616) (-)

Ion 120.00 (119.70 to 120.70): VX009271.D (-1616) (-)

150000

100000

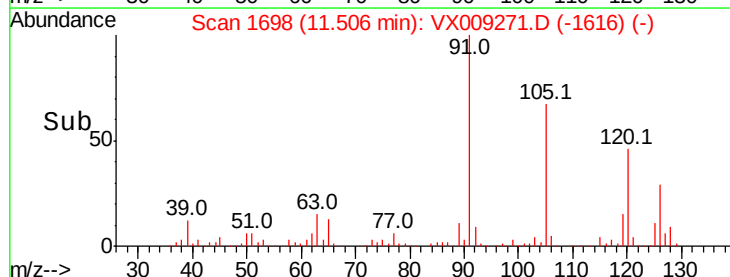
50000

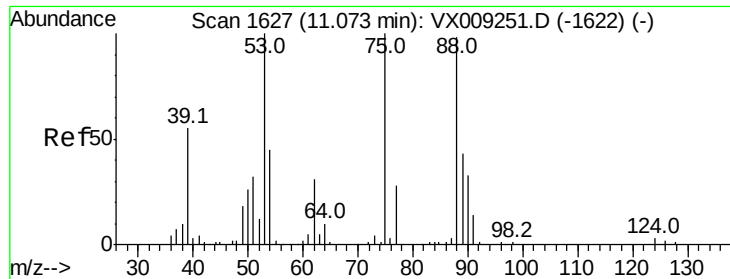
0

11.51

11.55

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 18.015 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX009271.D

Acq: 02 May 2019 12:42

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC020EC

Tot Ion: 75 Resp: 20832

Ion Ratio Lower Upper

75 100

53 103.4 50.0 149.8

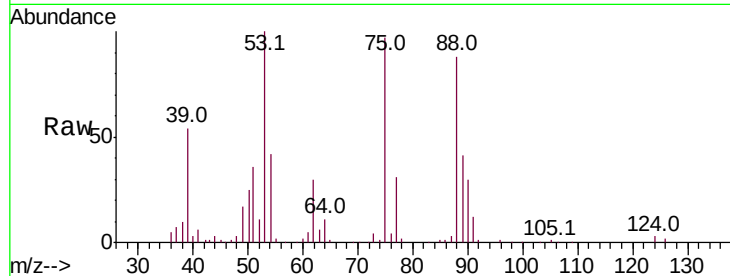
89 42.3 21.6 65.0

Manual Integrations

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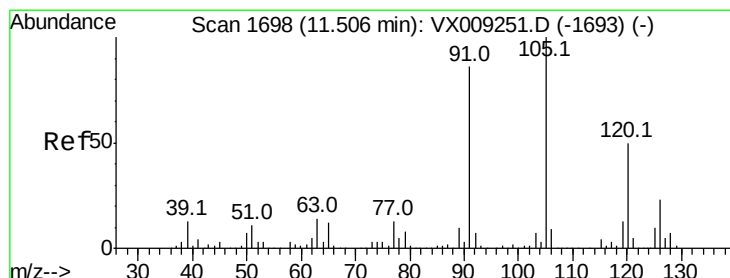
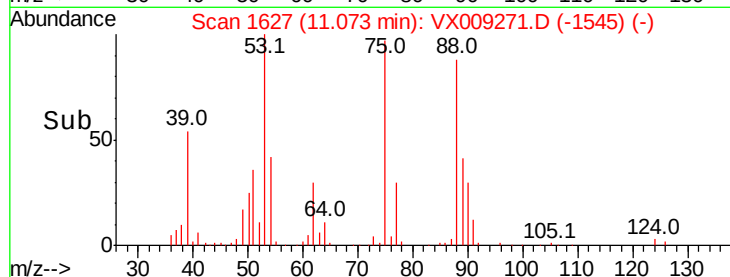
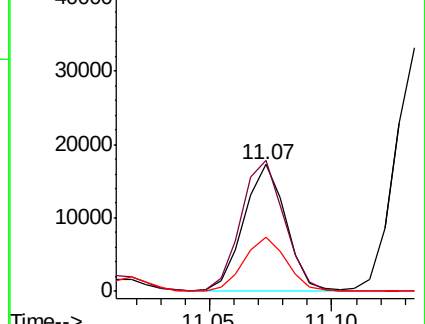
5/3/2019 11:19:53 AM



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: 19.906 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009271.D

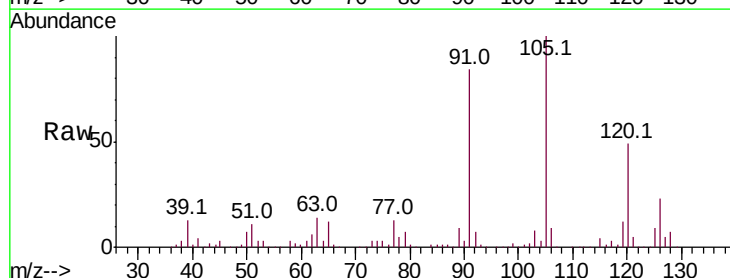
Acq: 02 May 2019 12:42

Tgt Ion: 91 Resp: 142748

Ion Ratio Lower Upper

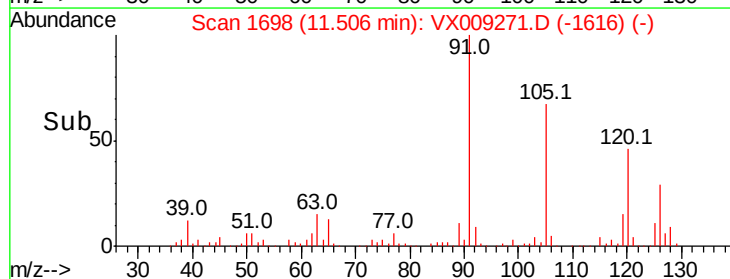
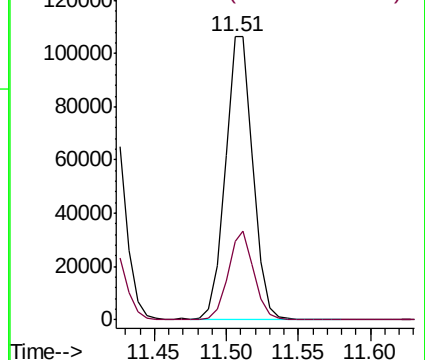
91 100

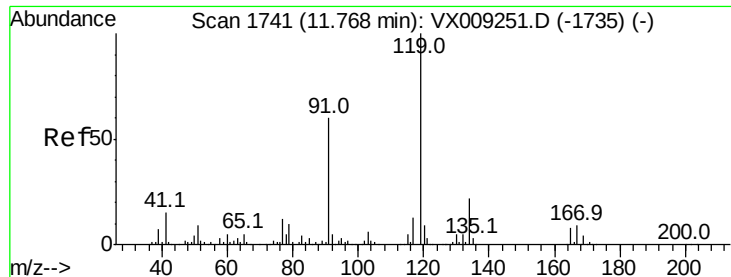
126 28.9 0.0 57.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V





#79

tert-butylbenzene

Concen: 19.872 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX009271.D

Acq: 02 May 2019 12:42

Instrument :

MSVOA_X

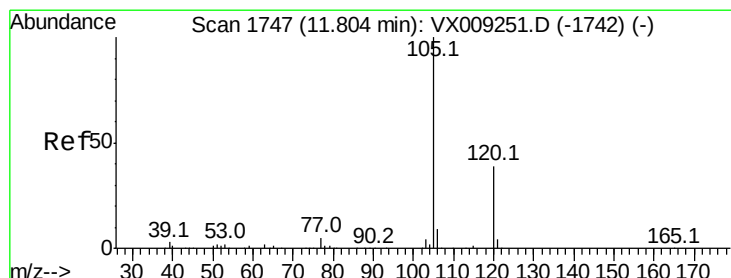
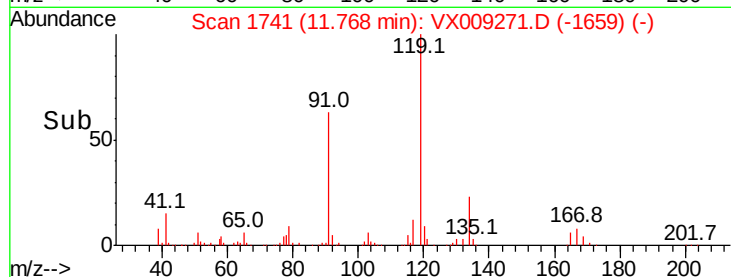
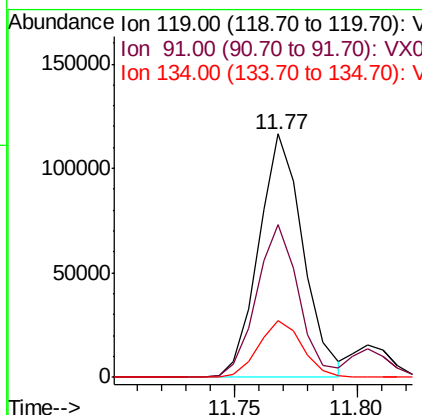
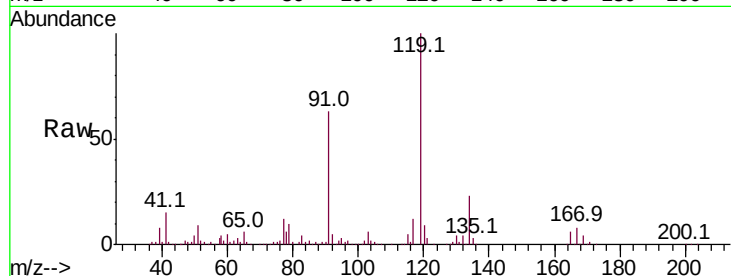
ClientSampleId :

VSTDCCC020EC

Tot Ion:	119	Resp:	147821
Ion Ratio	Lower	Upper	
119	100		
91	59.9	0.0	118.2
134	23.0	0.0	45.0

Manual Integrations
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#80

1,2,4-Trimethylbenzene

Concen: 20.033 ug/l

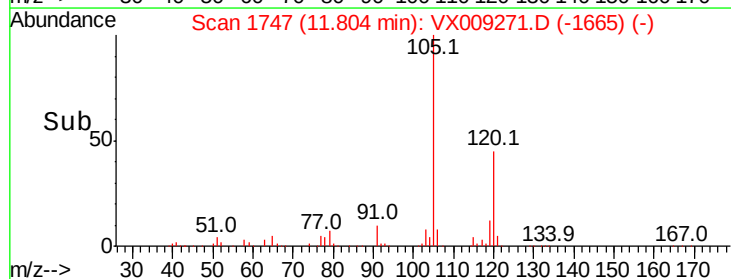
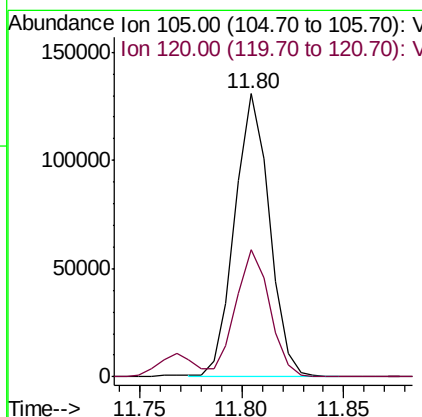
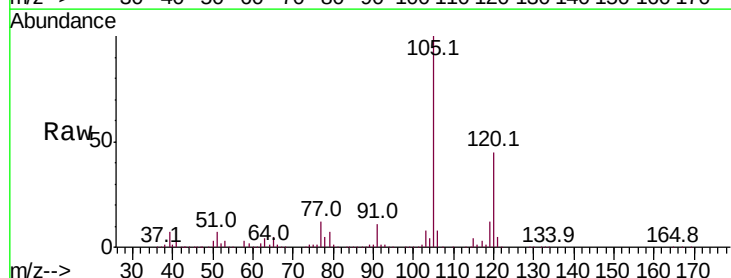
RT: 11.80 min Scan# 1747

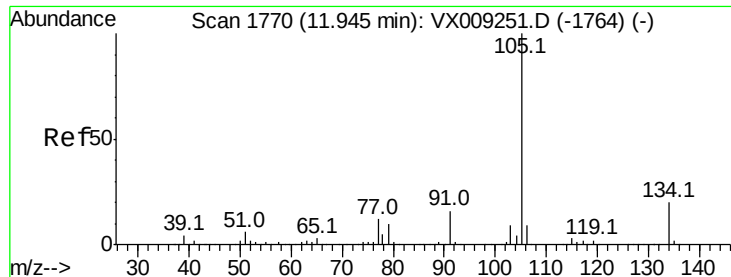
Delta R.T. 0.00 min

Lab File: VX009271.D

Acq: 02 May 2019 12:42

Tgt Ion:	105	Resp:	154497
Ion Ratio	Lower	Upper	
105	100		
120	43.7	0.0	89.6





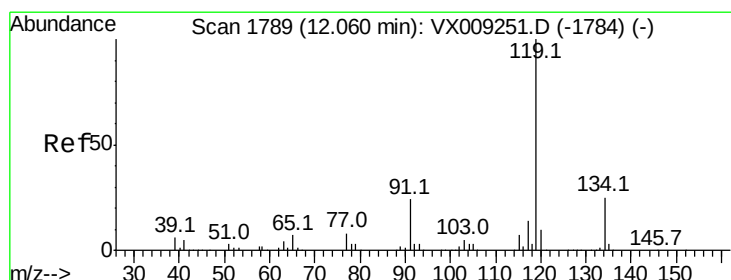
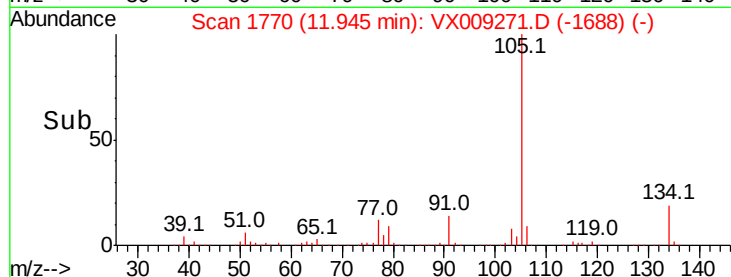
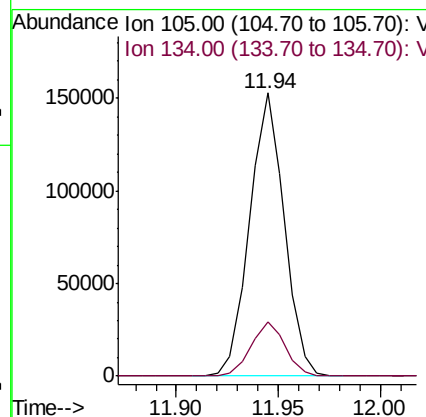
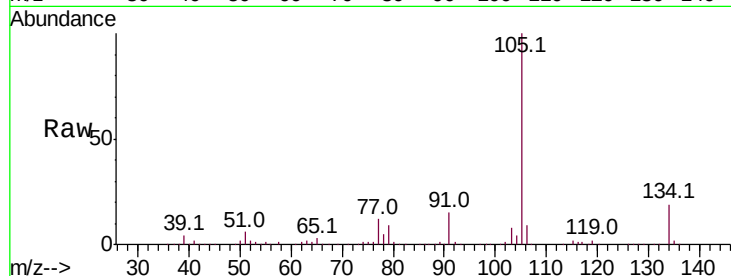
#81
 sec-Butylbenzene
 Concen: 20.352 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX009271.D
 Acq: 02 May 2019 12:42

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
105	100	179867		
134	19.1	0.0	38.6	

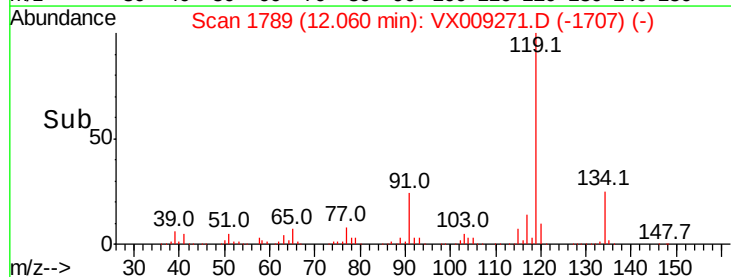
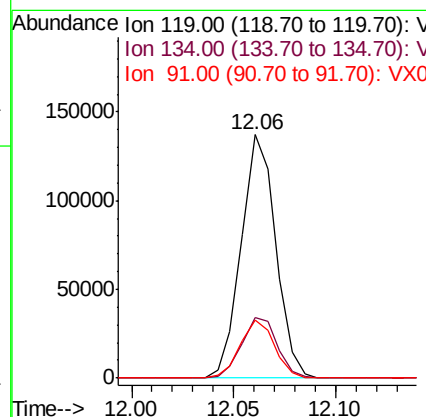
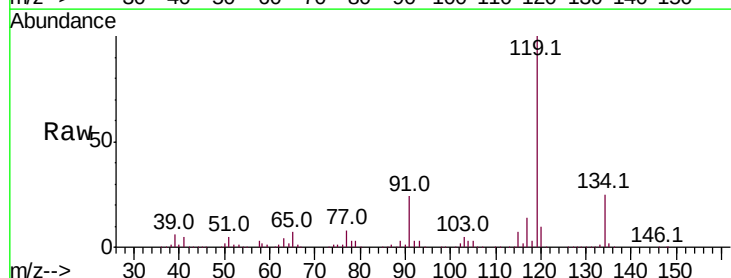
Manual Integrations
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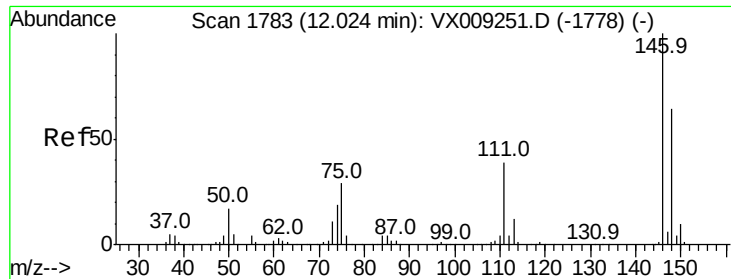
MMDadoda
 5/3/2019 11:19:53 AM



#82
 p-Isopropyltoluene
 Concen: 20.003 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX009271.D
 Acq: 02 May 2019 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	160805		
134	26.0	0.0	50.8	
91	23.8	0.0	47.2	





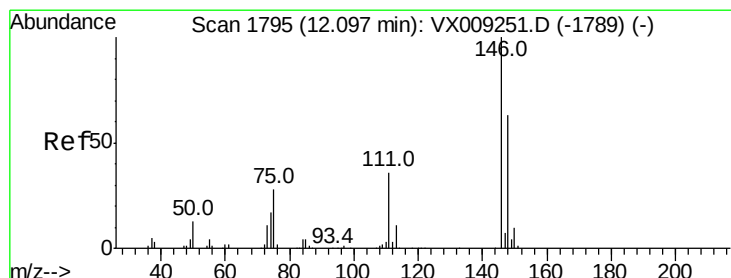
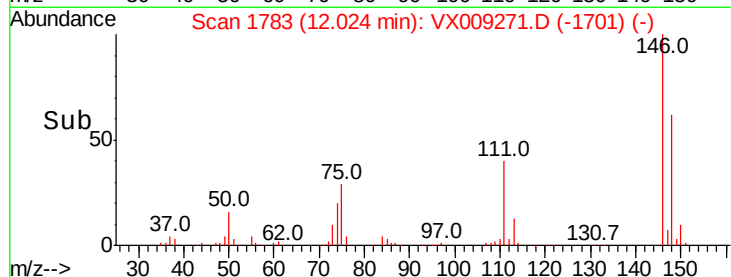
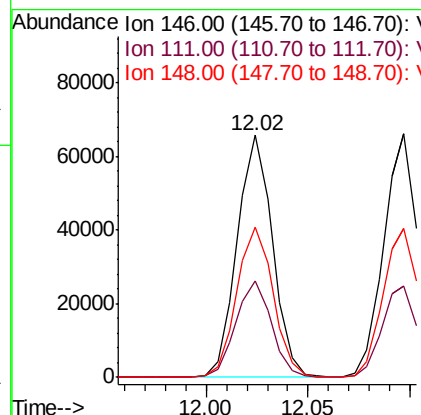
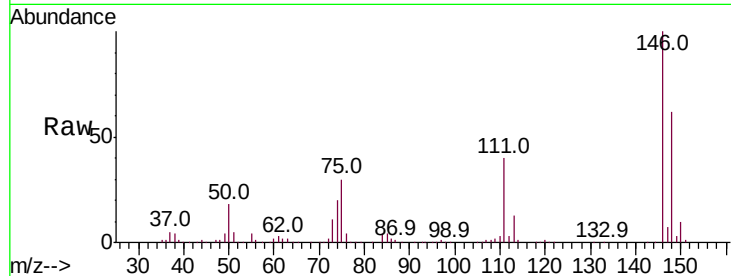
#83
 1,3-Dichlorobenzene
 Concen: 19.628 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX009271.D
 Acq: 02 May 2019 12:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.0	60.0
148	64.1	32.2	96.6

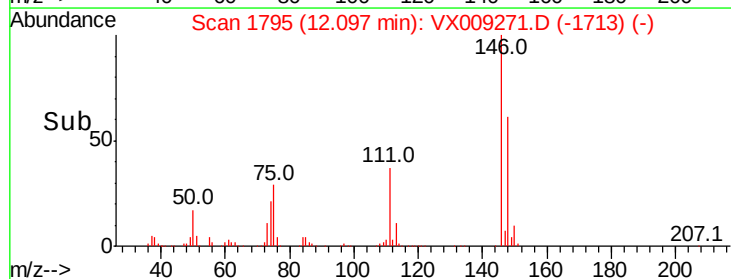
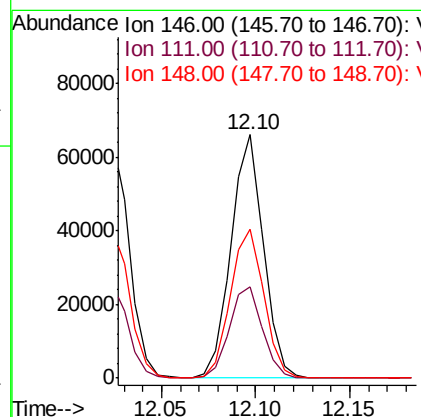
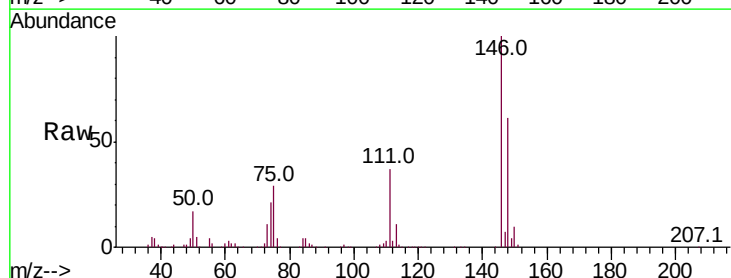
Manual Integrations
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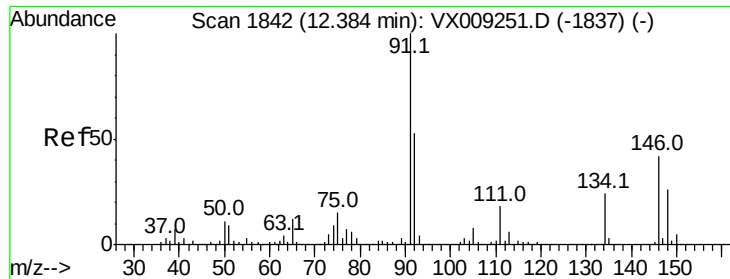
MMDadoda
 5/3/2019 11:19:53 AM



#84
 1,4-Dichlorobenzene
 Concen: 19.772 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX009271.D
 Acq: 02 May 2019 12:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.6	58.7
148	62.6	32.3	96.8





#85

n-Butylbenzene

Concen: 19.813 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX009271.D

Acq: 02 May 2019 12:42

Instrument :

MSVOA_X

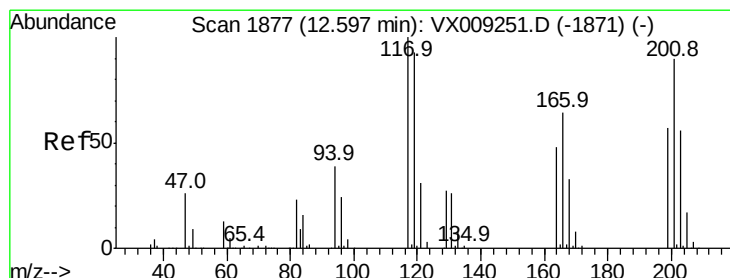
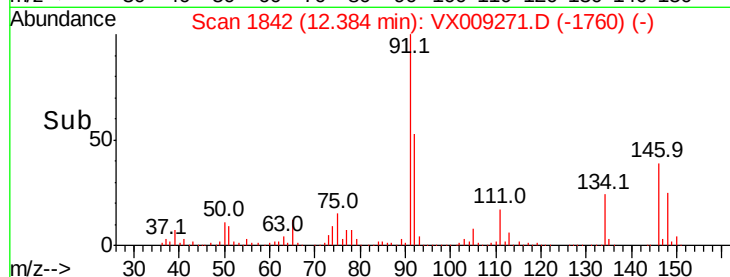
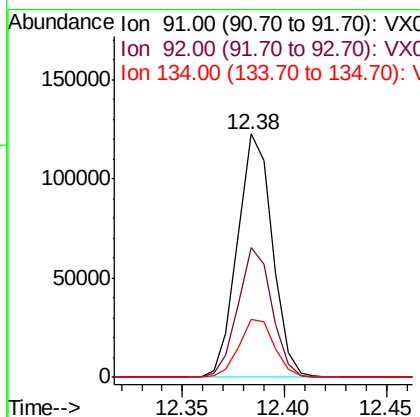
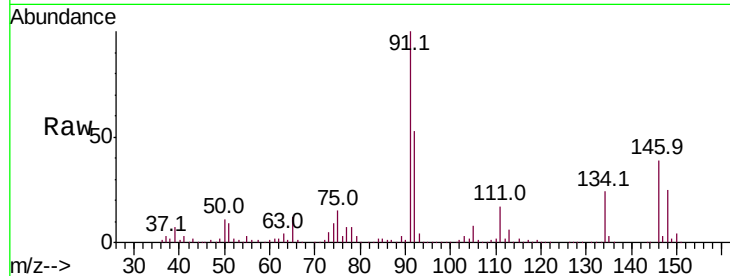
ClientSampled :

VSTDCCC020EC

Tot Ion:	91	Resp:	145750
Ion Ratio	Lower	Upper	
91	100		
92	52.1	0.0	106.6
134	24.1	0.0	50.0

Manual Integrations
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#86

Hexachloroethane

Concen: 18.984 ug/l

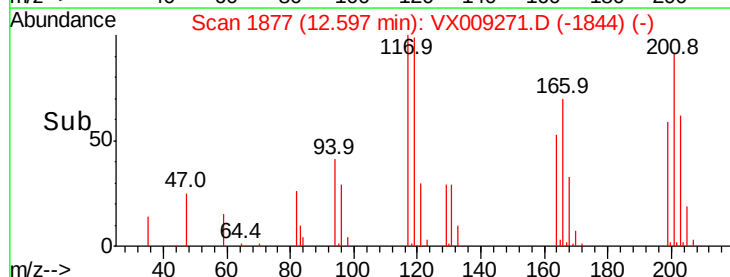
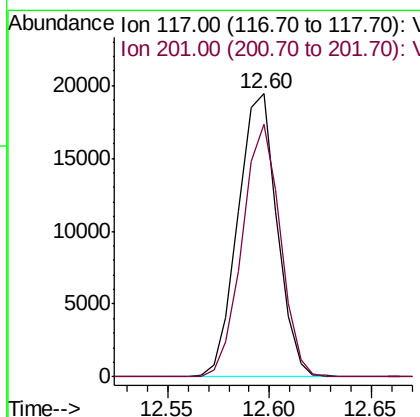
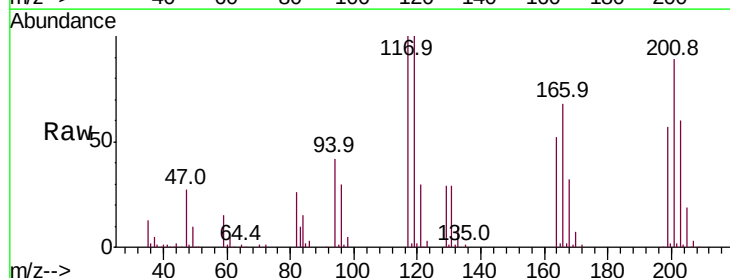
RT: 12.60 min Scan# 1877

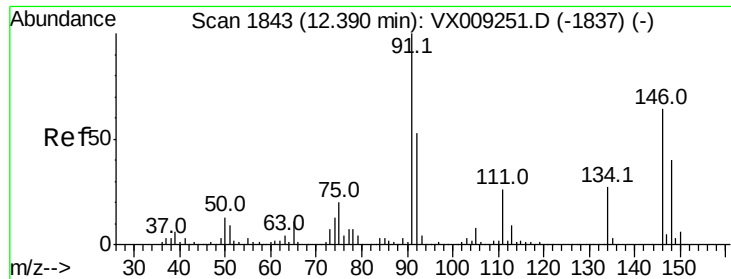
Delta R.T. 0.00 min

Lab File: VX009271.D

Acq: 02 May 2019 12:42

Tgt Ion:	117	Resp:	25970
Ion Ratio	Lower	Upper	
117	100		
201	86.8	41.8	125.4





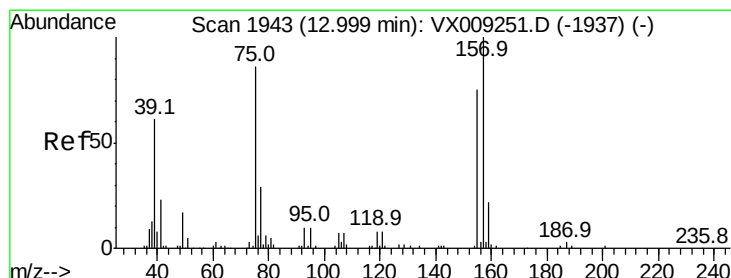
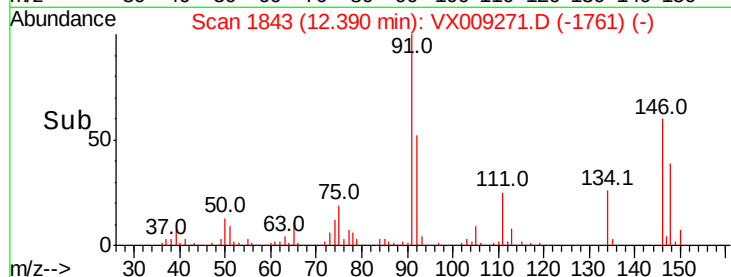
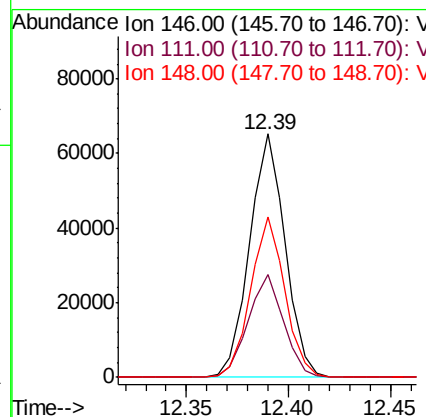
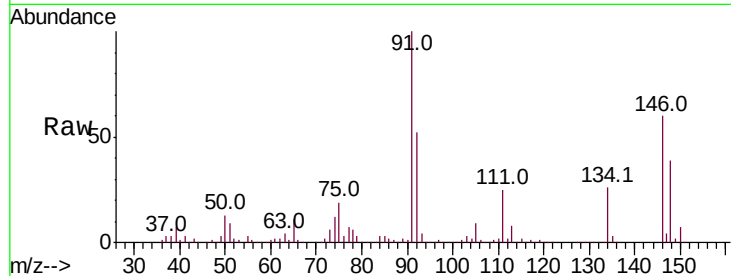
#87
 1,2-Dichlorobenzene
 Concen: 19.599 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX009271.D
 Acq: 02 May 2019 12:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.8	62.2
148	63.7	31.4	94.3

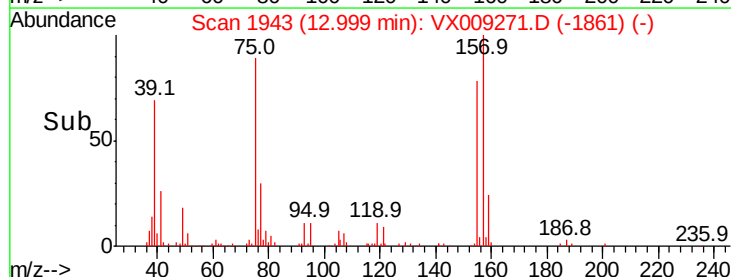
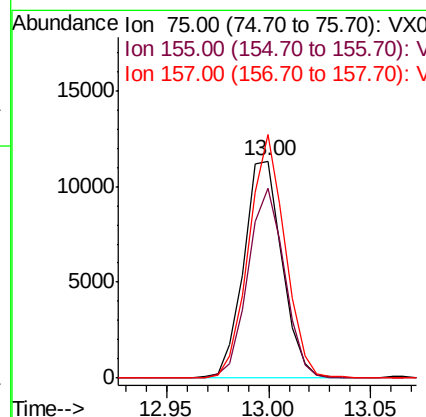
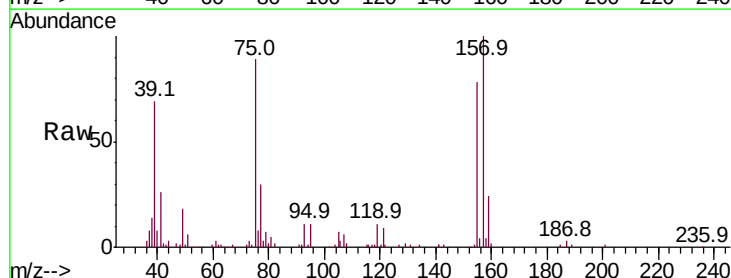
Manual Integrations
 APPROVED

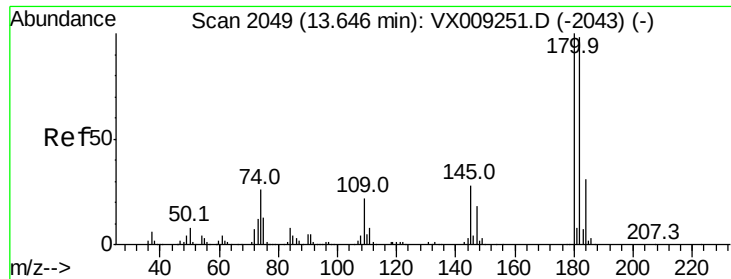
MMDadoda
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.164 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX009271.D
 Acq: 02 May 2019 12:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.3	65.9	98.9
157	105.5	85.2	127.8





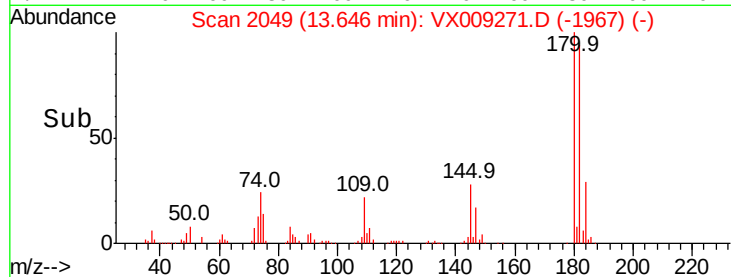
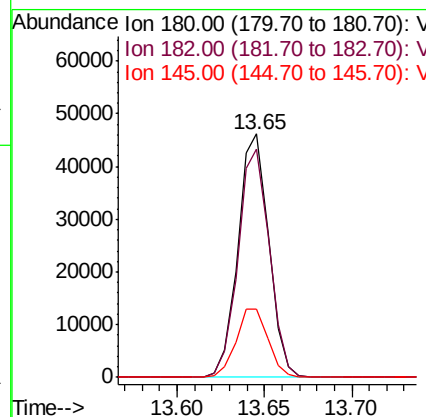
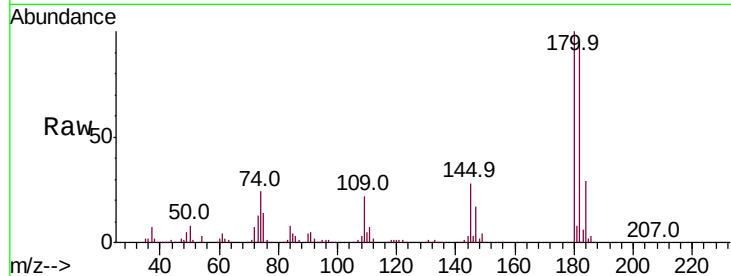
#89
 1,2,4-Trichlorobenzene
 Concen: 19.726 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009271.D
 Acq: 02 May 2019 12:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.9	115.3
145	29.3	23.0	34.6

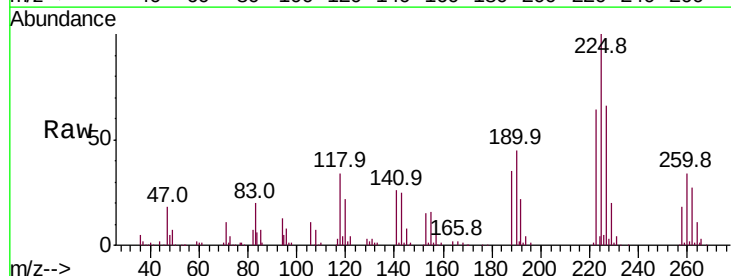
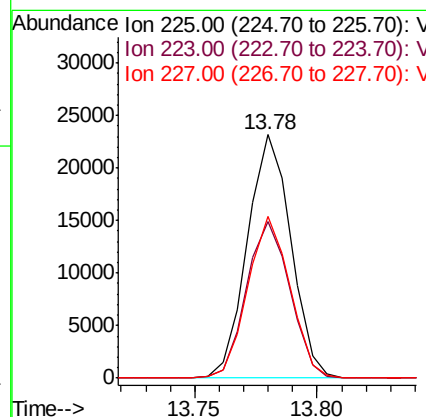
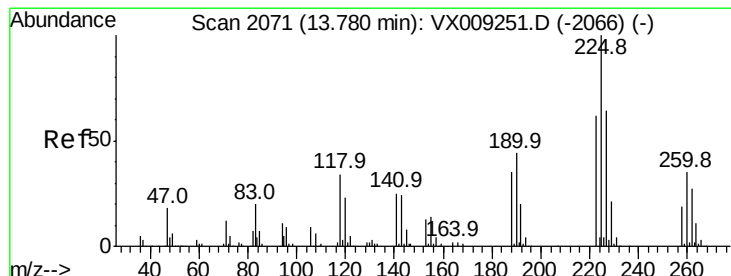
Manual Integrations
 APPROVED

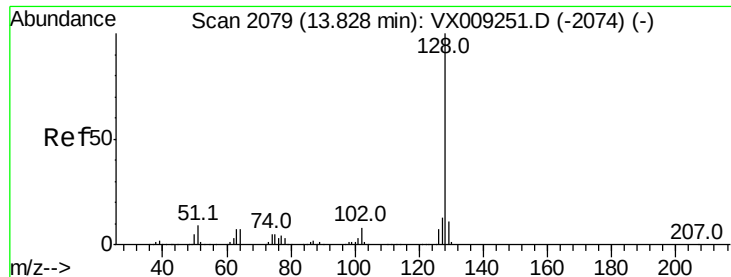
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#90
 Hexachlorobutadiene
 Concen: 19.933 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX009271.D
 Acq: 02 May 2019 12:42

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.3	0.0	126.6
227	64.5	0.0	130.0





#91

Naphthalene

Concen: 20.269 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.01 min

Lab File: VX009271.D

Acq: 02 May 2019 12:42

Instrument :

MSVOA_X

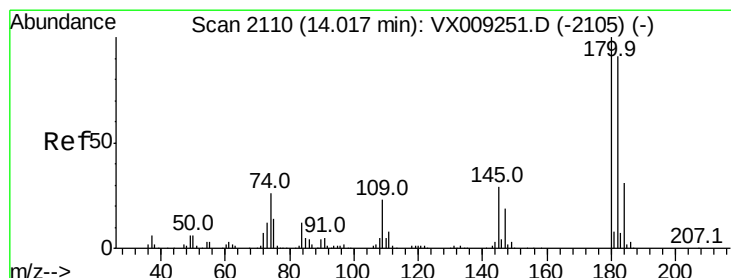
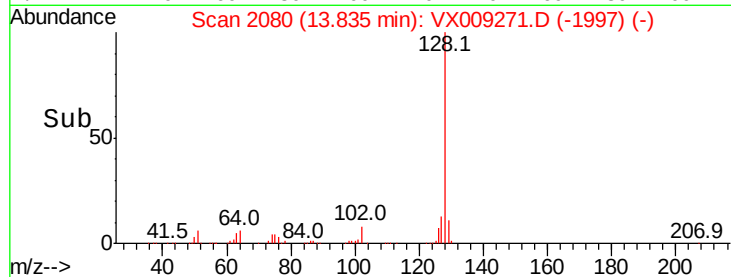
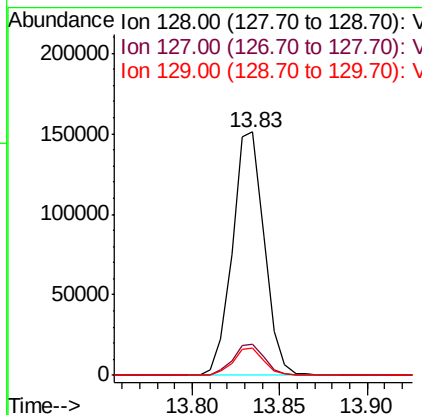
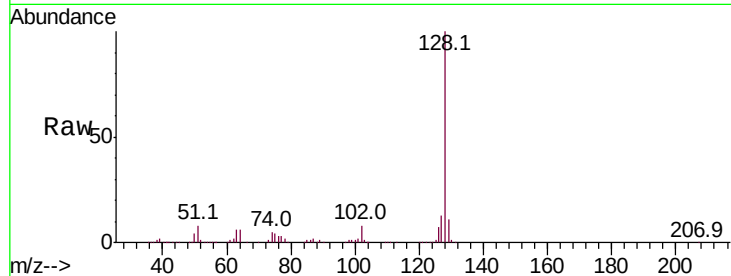
ClientSampleId :

VSTDCCC020EC

Tot Ion:128	Resp:	190847
Ion Ratio	Lower	Upper
128 100		
127 12.7	10.5	15.7
129 10.8	8.7	13.1

Manual Integrations
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5/3/2019 11:19:53 AM



#92

1,2,3-Trichlorobenzene

Concen: 20.574 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX009271.D

Acq: 02 May 2019 12:42

Tgt Ion:180	Resp:	60143
Ion Ratio	Lower	Upper
180 100		
182 94.1	0.0	189.0
145 30.6	0.0	61.6

