

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071619\
 Data File : VX010900.D
 Acq On : 16 Jul 2019 10:06
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 7/17/2019 10:44:57 AM

Quant Time: Jul 17 04:18:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 17 04:02:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	220544	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	332389	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	302002	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	147862	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	12848	6.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	12.20%	
35) Dibromofluoromethane	5.50	113	11160	5.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.96%	
50) Toluene-d8	8.71	98	41290	5.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.62%	
62) 4-Bromofluorobenzene	11.13	95	13954	4.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	6534	3.896	ug/l	99
3) Chloromethane	1.33	50	8596	4.679	ug/l	98
4) Vinyl Chloride	1.41	62	9359	4.665	ug/l	99
5) Bromomethane	1.64	94	5940	5.974	ug/l	98
6) Chloroethane	1.71	64	5832	4.884	ug/l	93
7) Trichlorofluoromethane	1.93	101	16787	5.277	ug/l	99
8) Diethyl Ether	2.19	74	6055	5.384	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	9851	5.171	ug/l	97
10) Methyl Iodide	2.51	142	10107	3.771	ug/l	99
11) Tert butyl alcohol	3.05	59	17152	31.750	ug/l	99
12) 1,1-Dichloroethene	2.37	96	9146	4.737	ug/l	98
13) Acrolein	2.29	56	8847	25.079	ug/l	88
14) Allyl chloride	2.73	41	14054	5.139	ug/l	99
15) Acrylonitrile	3.14	53	27438	25.570	ug/l	98
16) Acetone	2.44	43	26576	25.808	ug/l	93
17) Carbon Disulfide	2.57	76	22265	4.325	ug/l	99
18) Methyl Acetate	2.78	43	12598	6.005	ug/l	96
19) Methyl tert-butyl Ether	3.20	73	31382	5.187	ug/l	95
20) Methylene Chloride	2.85	84	11304	5.266	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	10066	4.870	ug/l	98
22) Diisopropyl ether	3.86	45	29850	5.215	ug/l	88
23) Vinyl Acetate	3.81	43	120395	24.383	ug/l	98
24) 1,1-Dichloroethane	3.70	63	17491	5.296	ug/l	97
25) 2-Butanone	4.68	43	38135	25.156	ug/l	95
26) 2,2-Dichloropropane	4.59	77	13376	4.680	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	12665	5.336	ug/l	96
28) Bromochloromethane	5.01	49	8393	5.322	ug/l	93
29) Tetrahydrofuran	5.13	42	24330	25.778	ug/l	99
30) Chloroform	5.21	83	18912	5.315	ug/l	100
31) Cyclohexane	5.57	56	16471	5.459	ug/l	91
32) 1,1,1-Trichloroethane	5.49	97	15267	4.859	ug/l	96
36) 1,1-Dichloropropene	5.80	75	13472	5.062	ug/l	94
37) Ethyl Acetate	4.84	43	13577	4.973	ug/l #	91
38) Carbon Tetrachloride	5.78	117	12582	4.405	ug/l	100

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 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC005

Manual Integrations
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	17777	5.100	ug/l	96
40) Benzene	6.15	78	41641	5.056	ug/l	99
41) Methacrylonitrile	5.05	41	7354	4.935	ug/l	95
42) 1,2-Dichloroethane	6.20	62	14698	5.779	ug/l	99
43) Isopropyl Acetate	6.45	43	21499	4.776	ug/l	96
44) Trichloroethene	7.21	130	12544	5.101	ug/l	98
45) 1,2-Dichloropropane	7.51	63	11036	5.301	ug/l	90
46) Dibromomethane	7.66	93	7294	4.880	ug/l	96
47) Bromodichloromethane	7.90	83	12159	4.462	ug/l	97
48) Methyl methacrylate	7.77	41	10219	4.870	ug/l	97
49) 1,4-Dioxane	7.74	88	6316	104.624	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	74575	25.796	ug/l	99
52) Toluene	8.78	92	27907	5.148	ug/l	96
53) t-1,3-Dichloropropene	9.04	75	12248	4.018	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	14587	4.390	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	11127	4.990	ug/l	96
56) Ethyl methacrylate	9.18	69	15156	4.486	ug/l	94
57) 1,3-Dichloropropane	9.37	76	18071	5.199	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	39465	24.682	ug/l	100
59) 2-Hexanone	9.49	43	56761	24.946	ug/l	99
60) Dibromochloromethane	9.58	129	9582	3.863	ug/l	96
61) 1,2-Dibromoethane	9.67	107	11404	4.731	ug/l	98
64) Tetrachloroethene	9.34	164	12206	5.018	ug/l	96
65) Chlorobenzene	10.13	112	31199	5.099	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.22	131	10113	4.540	ug/l	97
67) Ethyl Benzene	10.25	91	52065	5.012	ug/l	99
68) m/p-Xylenes	10.36	106	41020	10.216	ug/l	96
69) o-Xylene	10.69	106	19844	5.020	ug/l	97
70) Styrene	10.71	104	31529	4.757	ug/l	99
71) Bromoform	10.85	173	6770	3.555	ug/l #	94
73) Isopropylbenzene	11.02	105	53147	5.313	ug/l	100
74) N-amyl acetate	10.90	43	18297	4.831	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	17111	5.171	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	13652m	5.076	ug/l	
77) Bromobenzene	11.25	156	13977	5.014	ug/l	99
78) n-propylbenzene	11.36	91	55279	5.023	ug/l	99
79) 2-Chlorotoluene	11.42	91	33409	5.091	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	41689	5.041	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	3775	3.379	ug/l #	81
82) 4-Chlorotoluene	11.51	91	40004	5.351	ug/l	99
83) tert-Butylbenzene	11.77	119	42369	5.118	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	42675	5.144	ug/l	99
85) sec-Butylbenzene	11.94	105	48856	5.026	ug/l	98
86) p-Isopropyltoluene	12.06	119	44488	4.947	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	24412	5.008	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	24847	5.001	ug/l	95
89) n-Butylbenzene	12.38	91	35955	4.697	ug/l	99
90) Hexachloroethane	12.59	117	5848	3.836	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	25404	5.241	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.00	75	2844	3.968	ug/l	97

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MSVOA_X
ClientSampleId :
VSTDICC005

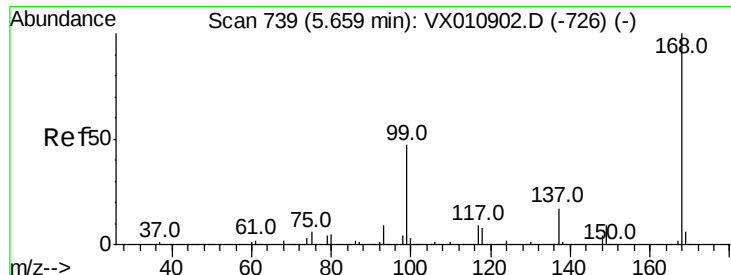
Manual Integrations
APPROVED

MMDadoda
7/17/2019 10:44:57 AM

Quant Time: Jul 17 04:18:34 2019
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	15443	4.610	ug/l	98
94) Hexachlorobutadiene	13.78	225	7817	4.784	ug/l	97
95) Naphthalene	13.83	128	43398	4.243	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	15030	4.523	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX010900.D

Acq: 16 Jul 2019 10:06

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

Tot Ion:168 Resp: 220544

Ion Ratio Lower Upper

168 100

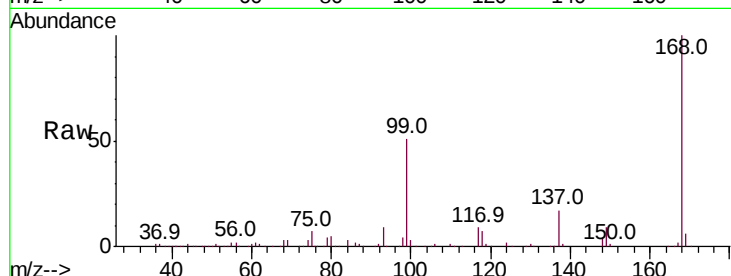
99 50.6 37.6 56.4

Manual Integrations

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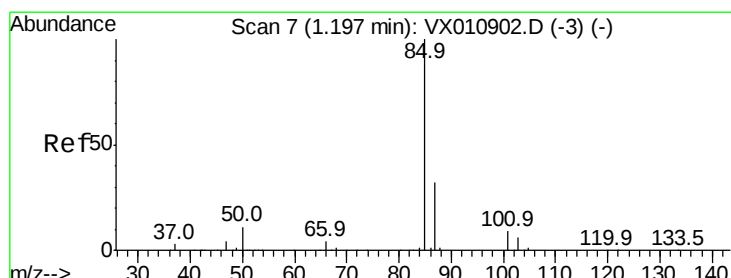
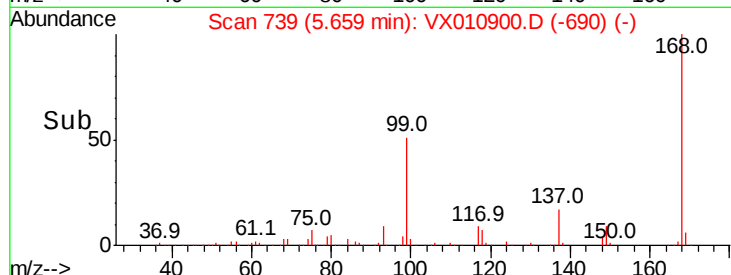
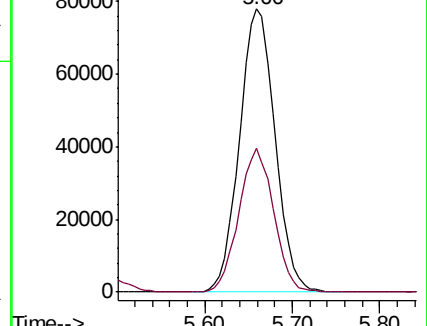
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 3.896 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010900.D

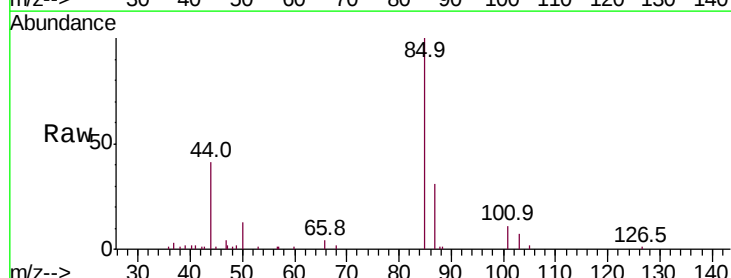
Acq: 16 Jul 2019 10:06

Tgt Ion: 85 Resp: 6534

Ion Ratio Lower Upper

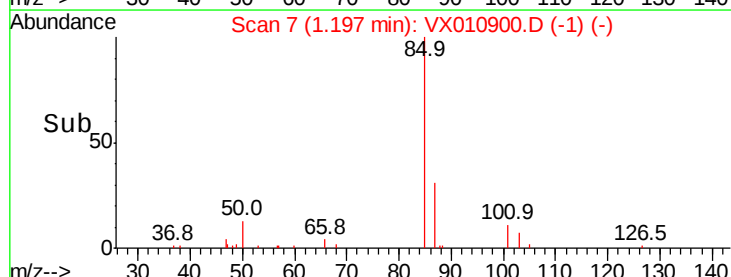
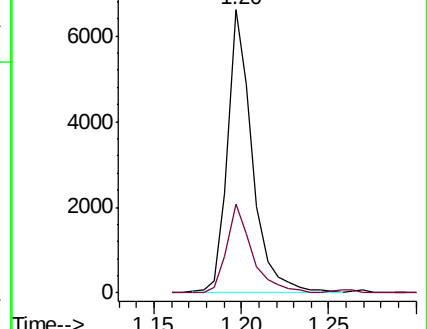
85 100

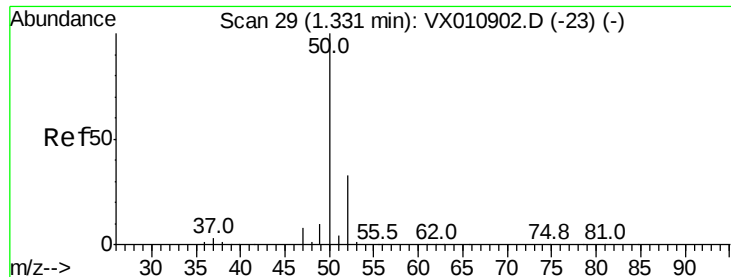
87 31.2 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 4.679 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX010900.D

Acq: 16 Jul 2019 10:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 8596

Ion Ratio Lower Upper

50 100

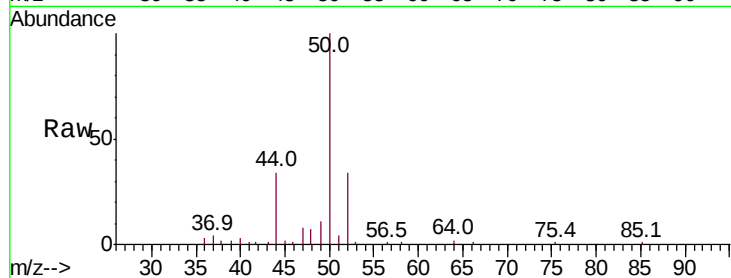
52 34.2 26.4 39.6

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

8000

6000

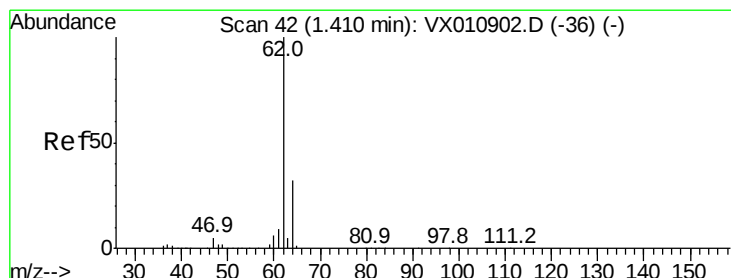
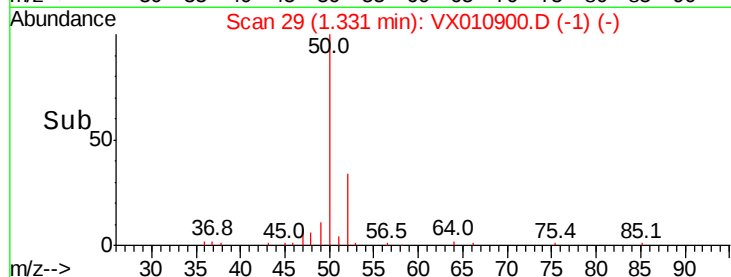
4000

2000

0

1.30 1.35 1.40

Time-->



#4

Vinyl Chloride

Concen: 4.665 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010900.D

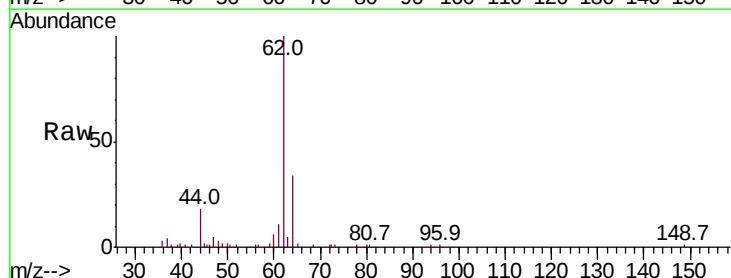
Acq: 16 Jul 2019 10:06

Tgt Ion: 62 Resp: 9359

Ion Ratio Lower Upper

62 100

64 32.6 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

10000

8000

6000

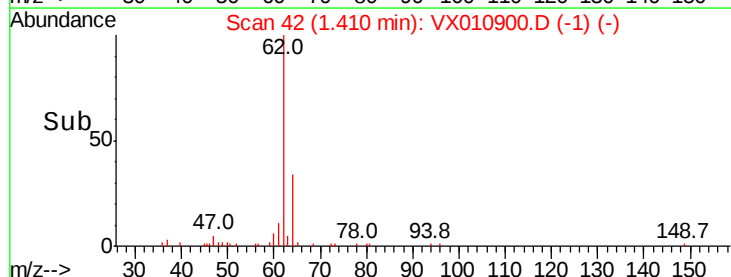
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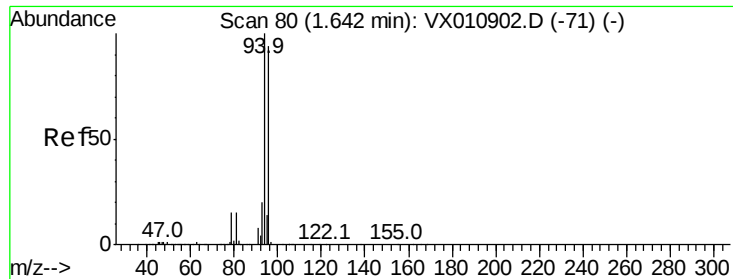
2000

0

1.35 1.40 1.45

Time-->





#5

Bromomethane

Concen: 5.974 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX010900.D

Acq: 16 Jul 2019 10:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 5940

Ion Ratio Lower Upper

94 100

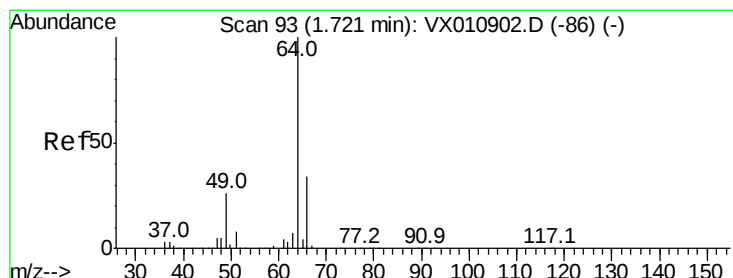
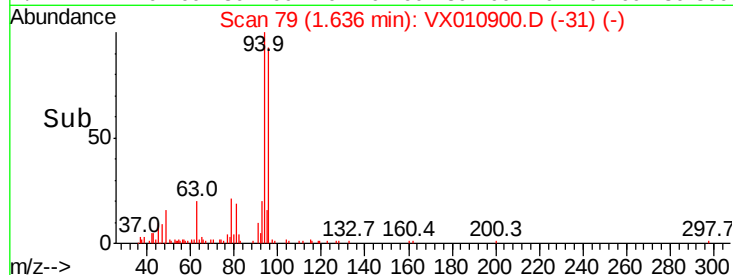
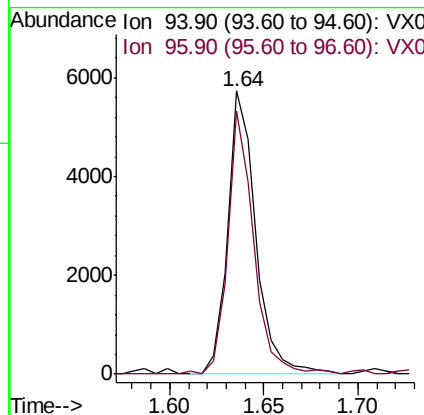
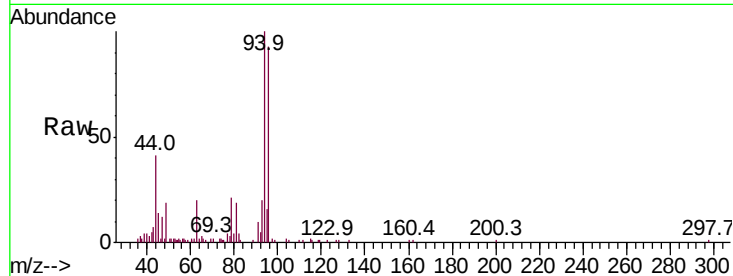
96 92.9 75.6 113.4

Manual Integrations

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7/17/2019 10:44:57 AM



#6

Chloroethane

Concen: 4.884 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX010900.D

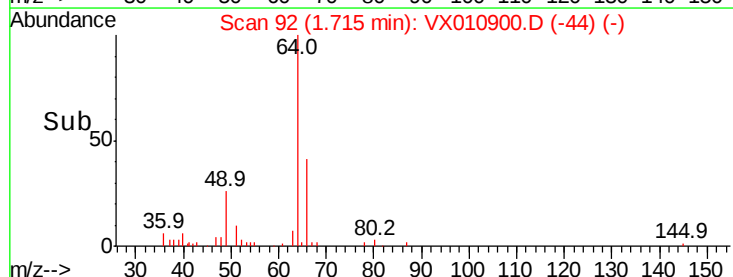
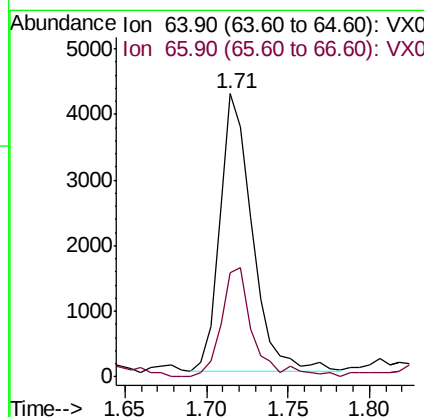
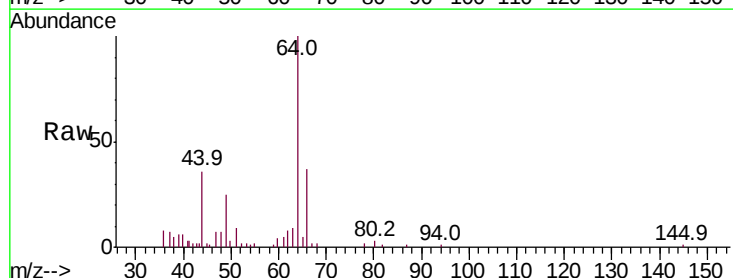
Acq: 16 Jul 2019 10:06

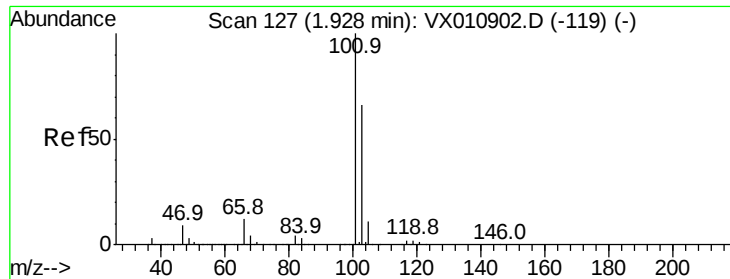
Tgt Ion: 64 Resp: 5832

Ion Ratio Lower Upper

64 100

66 37.7 27.0 40.6





#7

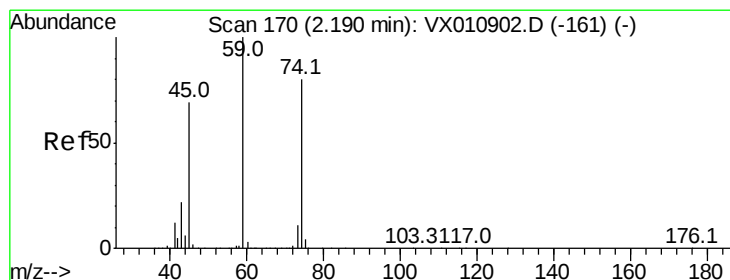
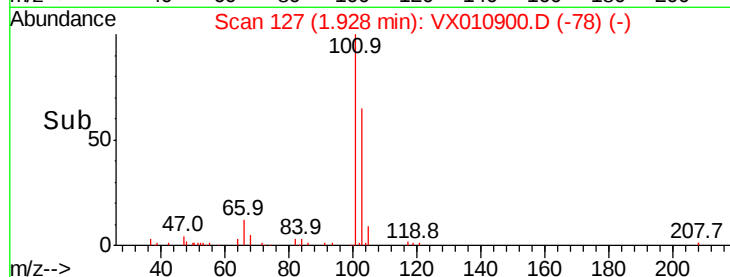
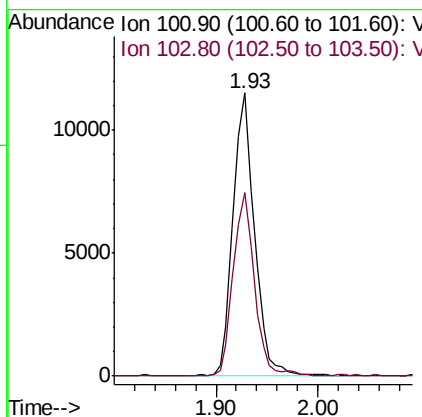
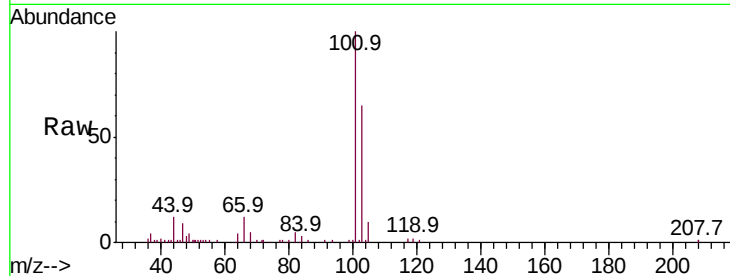
Trichlorofluoromethane
Concen: 5.277 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX010900.D
Acq: 16 Jul 2019 10:06

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	52.6	78.8

Manual Integrations
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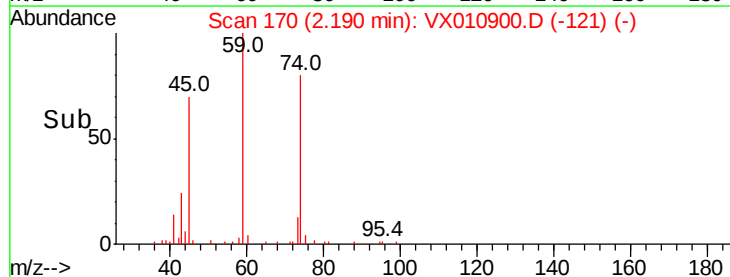
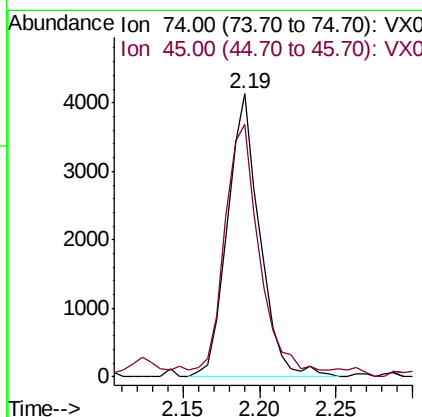
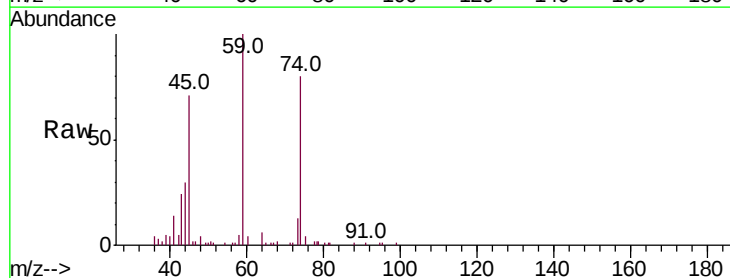
MMDadoda
7/17/2019 10:44:57 AM

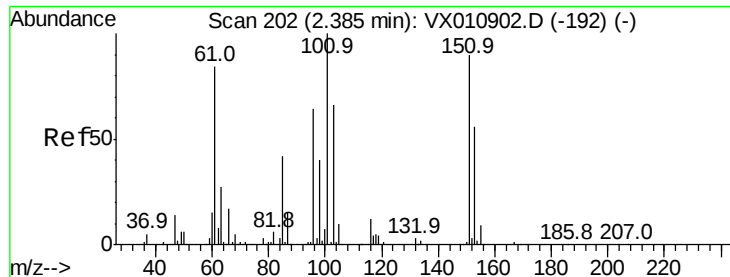


#8

Diethyl Ether
Concen: 5.384 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX010900.D
Acq: 16 Jul 2019 10:06

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.3	45.5	136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.171 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX010900.D

Acq: 16 Jul 2019 10:06

Instrument :

MSVOA_X

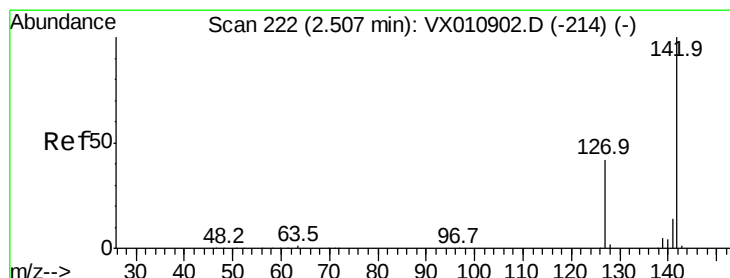
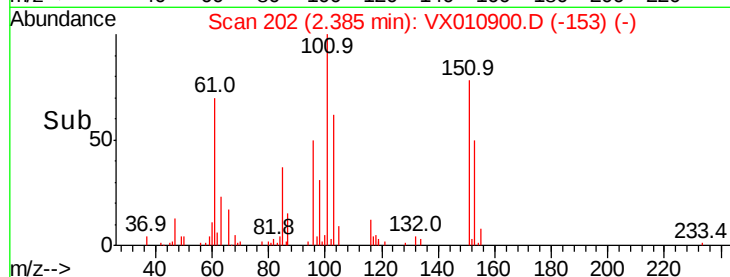
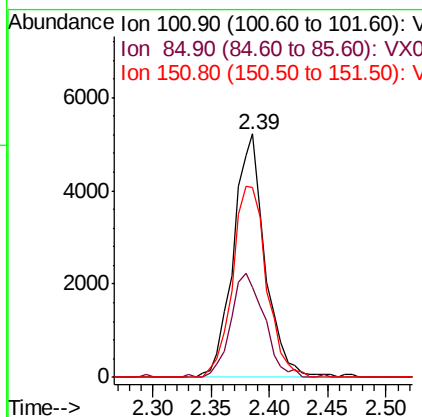
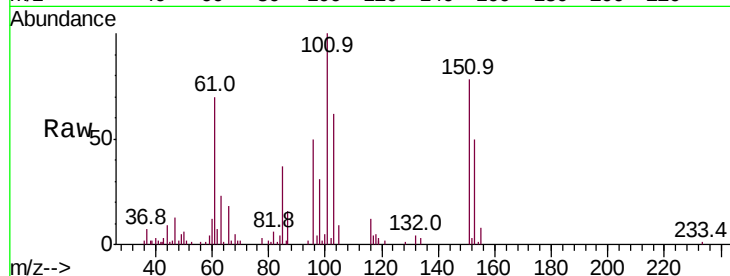
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	9851
Ion Ratio	Lower	Upper	
101	100		
85	45.0	34.6	52.0
151	84.3	69.6	104.4

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#10

Methyl Iodide

Concen: 3.771 ug/l

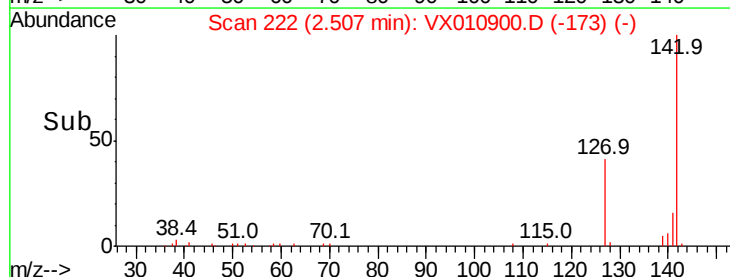
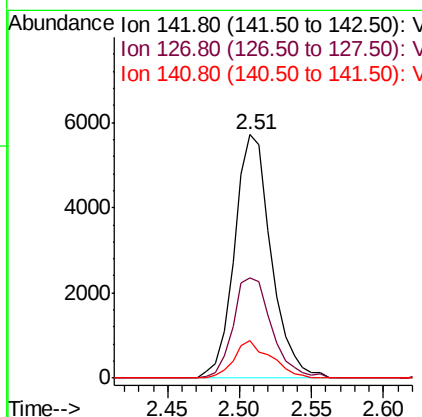
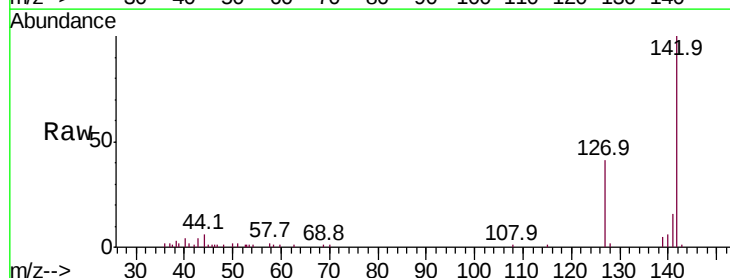
RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX010900.D

Acq: 16 Jul 2019 10:06

Tgt Ion:	142	Resp:	10107
Ion Ratio	Lower	Upper	
142	100		
127	43.3	34.2	51.4
141	15.7	11.7	17.5





#11

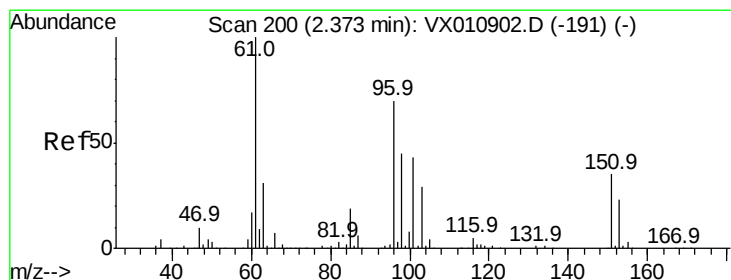
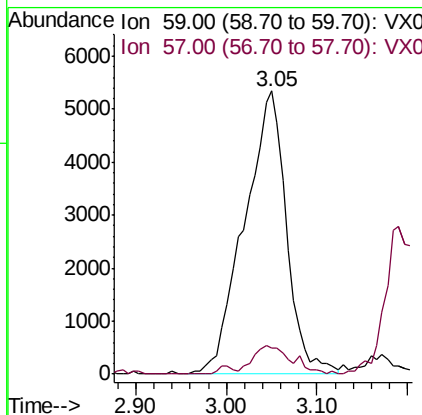
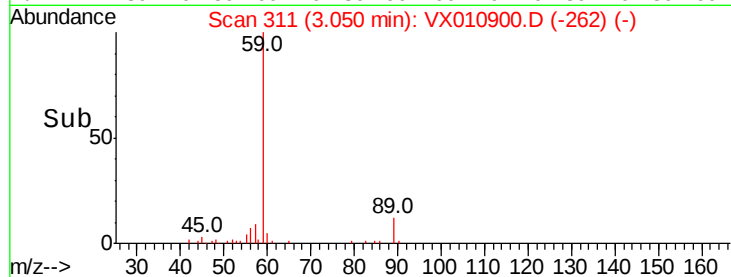
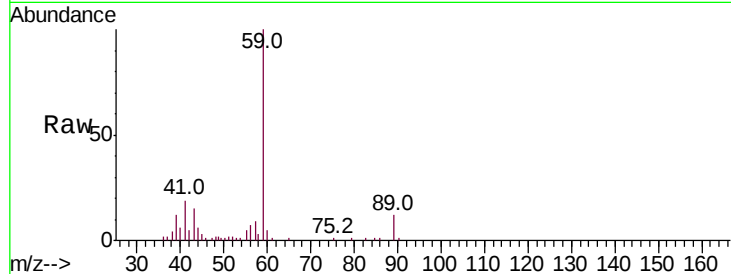
Tert butyl alcohol
 Concen: 31.750 ug/l
 RT: 3.05 min Scan# 311
 Delta R.T. 0.00 min
 Lab File: VX010900.D
 Acq: 16 Jul 2019 10:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion: 59 Resp: 17152
 Ion Ratio Lower Upper
 59 100
 57 9.4 7.9 11.9

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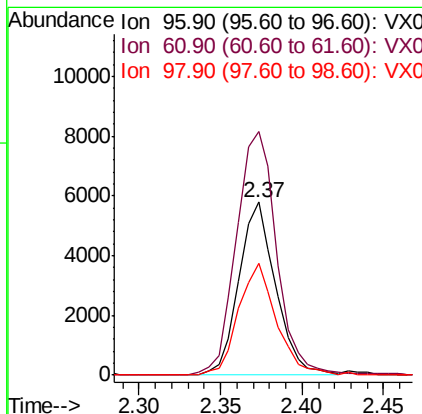
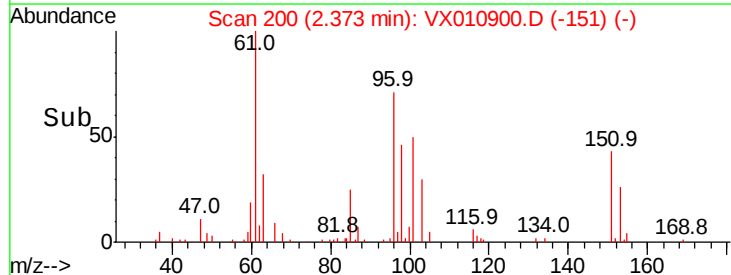
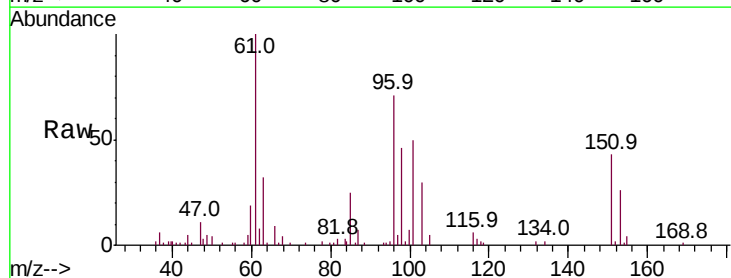
MMDadoda
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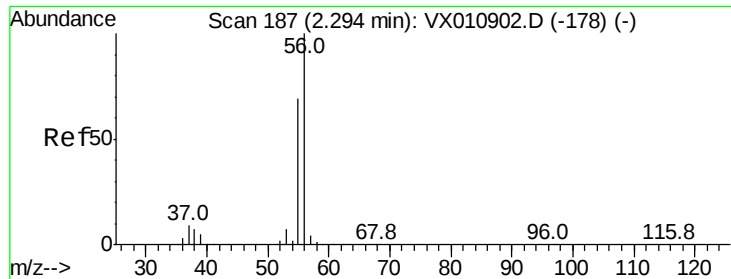


#12

1,1-Dichloroethene
 Concen: 4.737 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.00 min
 Lab File: VX010900.D
 Acq: 16 Jul 2019 10:06

Tgt Ion: 96 Resp: 9146
 Ion Ratio Lower Upper
 96 100
 61 140.7 115.0 172.4
 98 64.5 52.2 78.2





#13

Acrolein

Concen: 25.079 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010900.D

Acq: 16 Jul 2019 10:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 8847

Ion Ratio Lower Upper

56 100

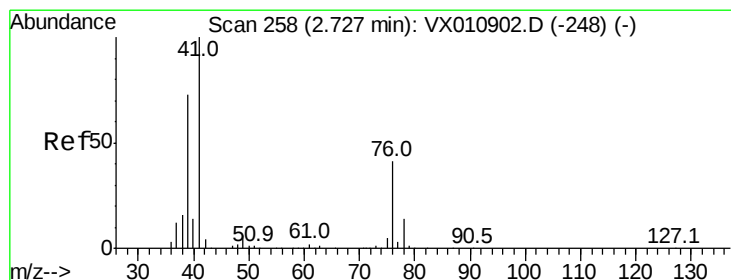
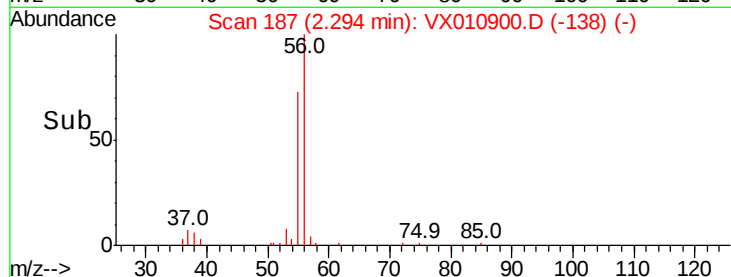
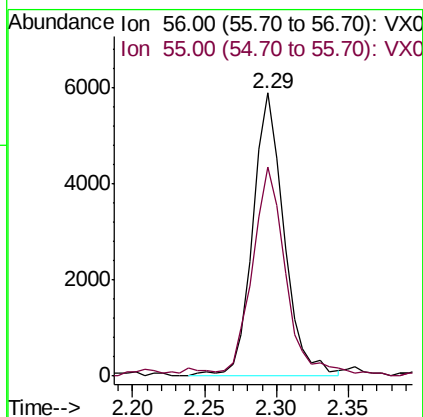
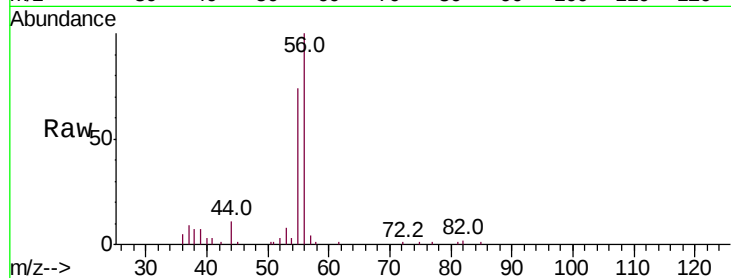
55 79.7 55.9 83.9

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#14

Allyl chloride

Concen: 5.139 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX010900.D

Acq: 16 Jul 2019 10:06

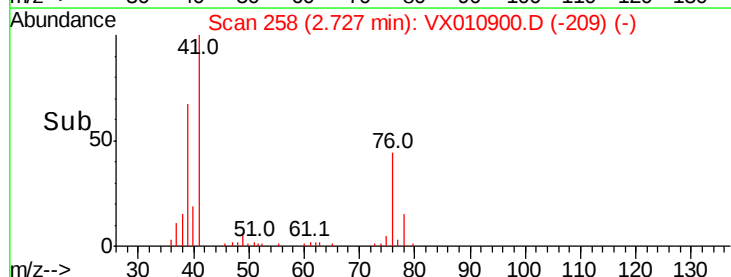
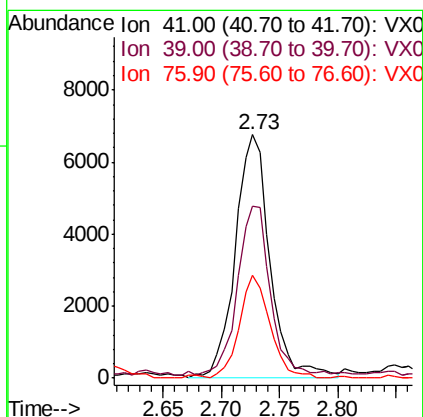
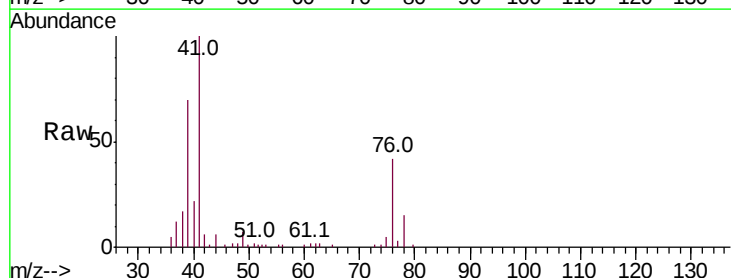
Tgt Ion: 41 Resp: 14054

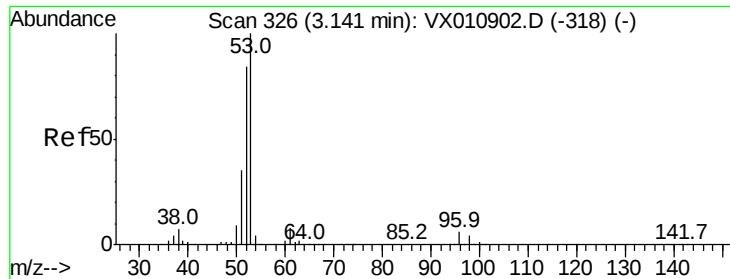
Ion Ratio Lower Upper

41 100

39 65.3 53.6 80.4

76 37.3 29.7 44.5





#15

Acrylonitrile

Concen: 25.570 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX010900.D

Acq: 16 Jul 2019 10:06

Instrument :

MSVOA_X

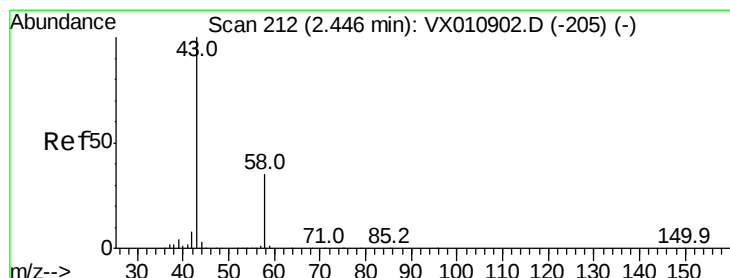
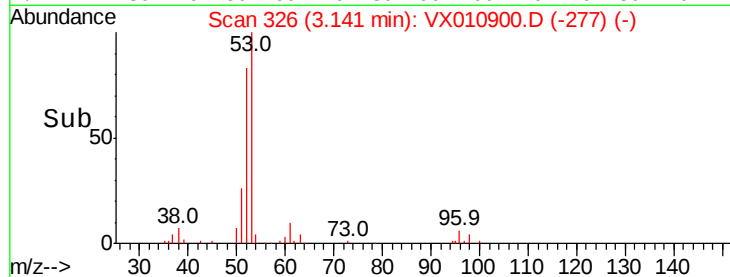
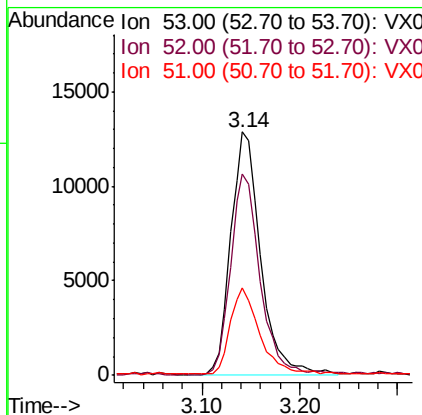
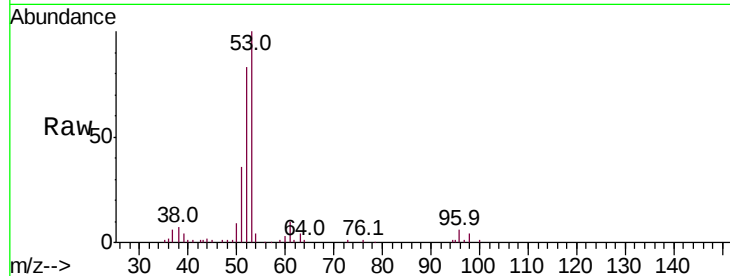
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	27438
Ion	Ratio	Lower	Upper
53	100		
52	80.6	66.5	99.7
51	34.6	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 25.808 ug/l

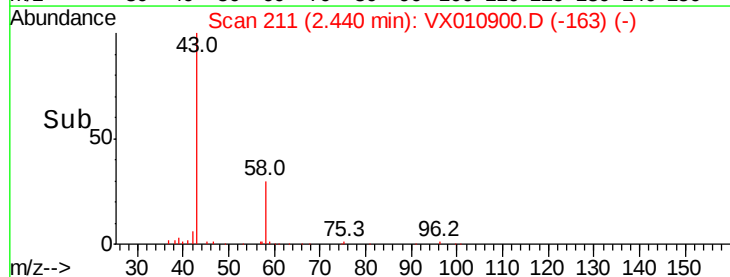
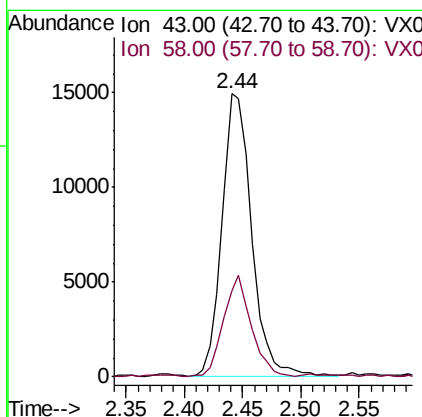
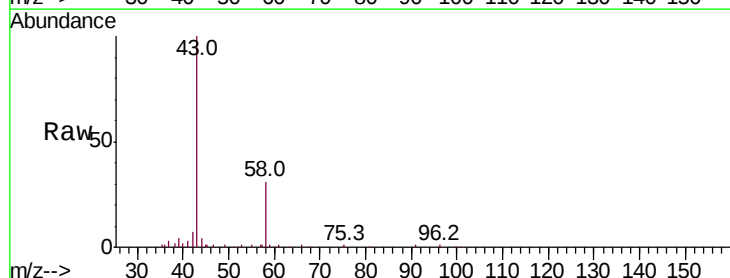
RT: 2.44 min Scan# 211

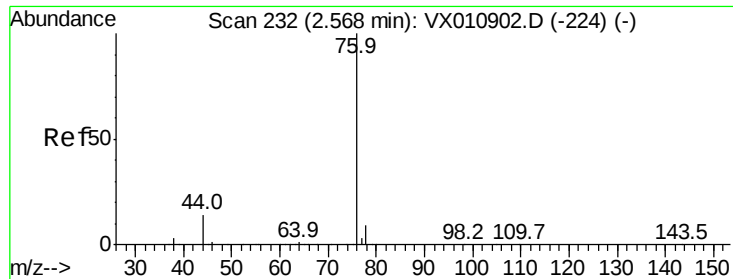
Delta R.T. -0.01 min

Lab File: VX010900.D

Acq: 16 Jul 2019 10:06

Tgt Ion:	43	Resp:	26576
Ion	Ratio	Lower	Upper
43	100		
58	30.7	27.7	41.5





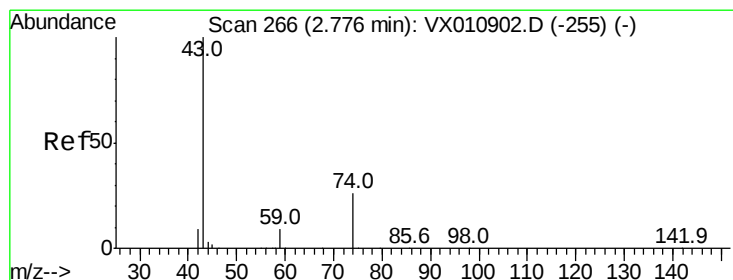
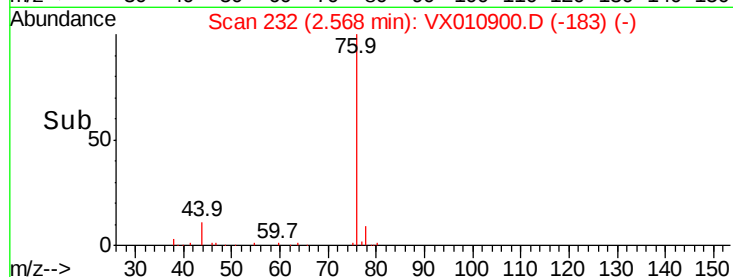
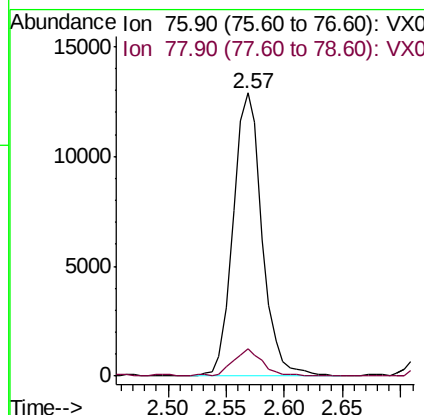
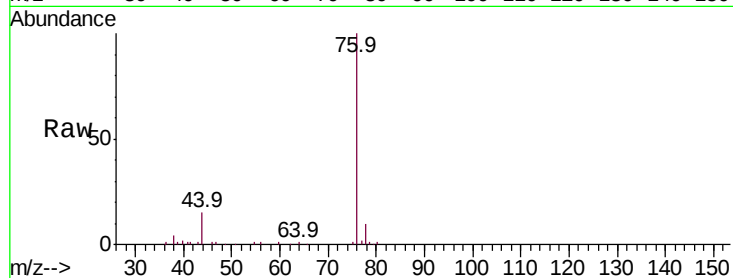
#17
Carbon Disulfide
Concen: 4.325 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX010900.D
Acq: 16 Jul 2019 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.4	11.0

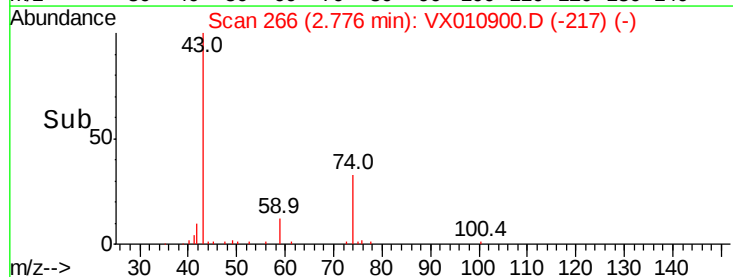
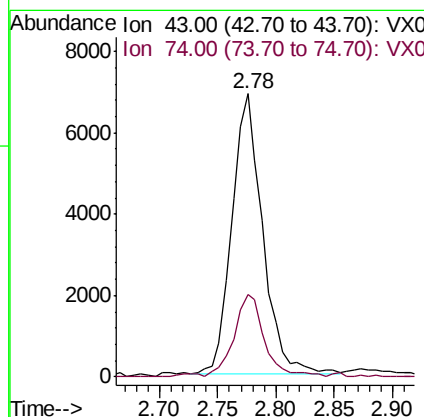
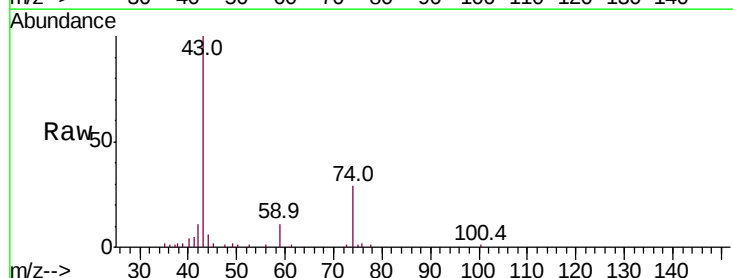
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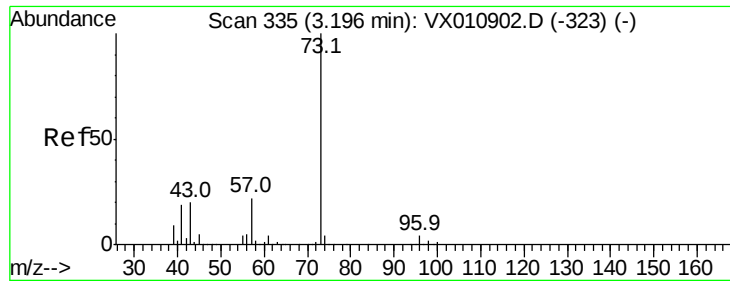
MMDadoda
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#18
Methyl Acetate
Concen: 6.005 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX010900.D
Acq: 16 Jul 2019 10:06

Tgt Ion	Ratio	Lower	Upper
43	100		
74	29.1	21.5	32.3





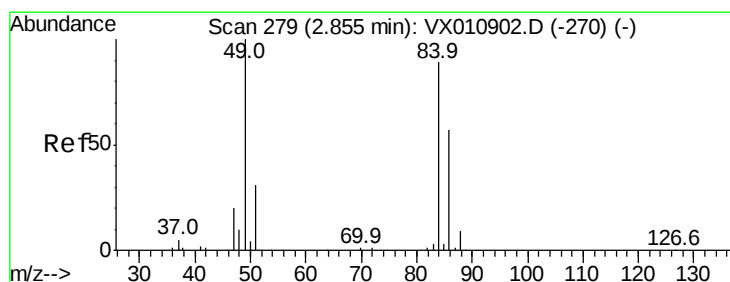
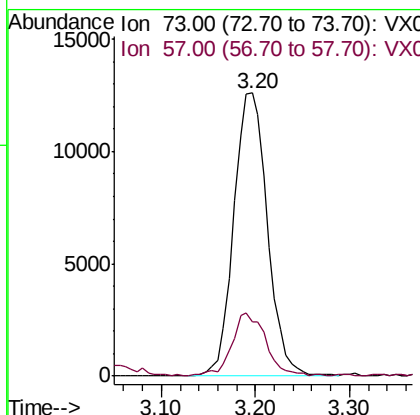
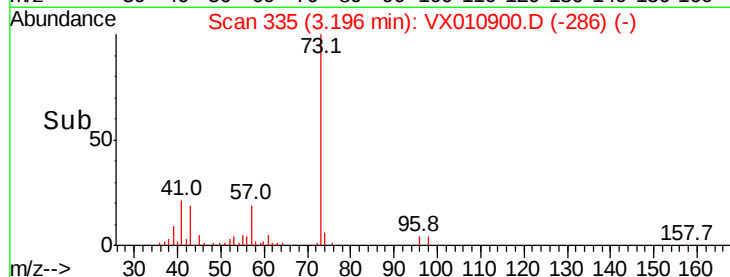
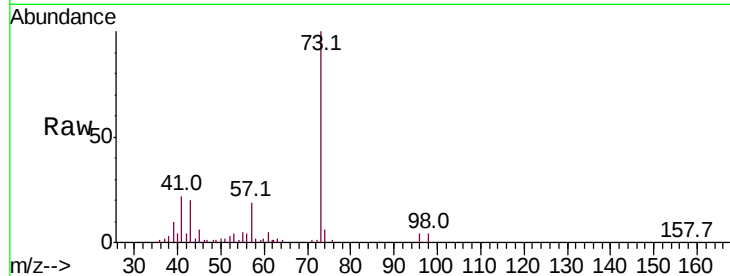
#19
Methyl tert-butyl Ether
Concen: 5.187 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX010900.D
Acq: 16 Jul 2019 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 31382
Ion Ratio Lower Upper
73 100
57 19.4 17.3 25.9

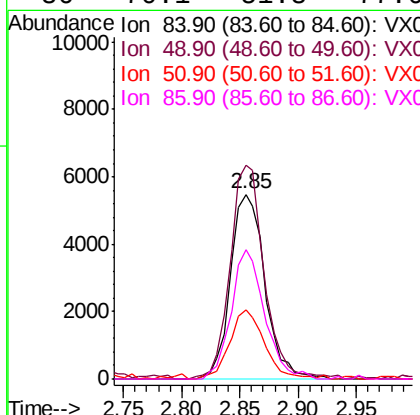
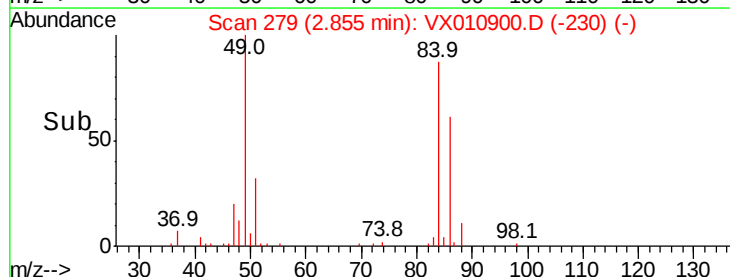
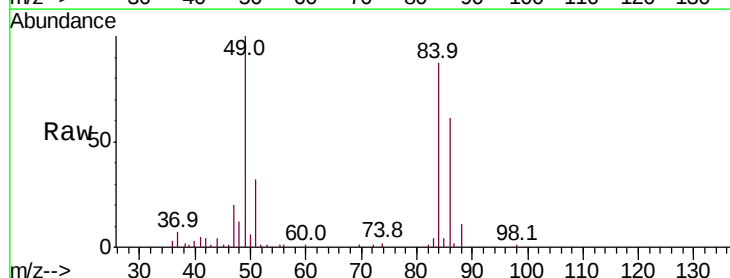
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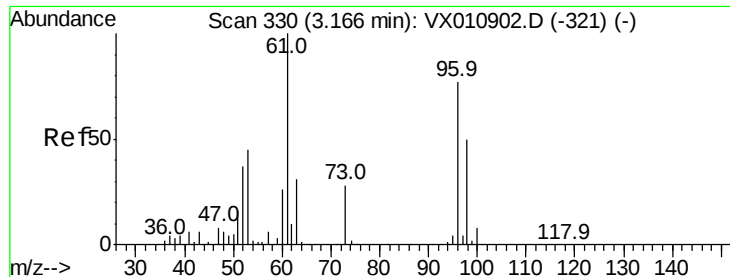
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#20
Methylene Chloride
Concen: 5.266 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX010900.D
Acq: 16 Jul 2019 10:06

Tgt Ion: 84 Resp: 11304
Ion Ratio Lower Upper
84 100
49 115.6 89.9 134.9
51 37.4 27.8 41.6
86 70.1 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 4.870 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX010900.D

Acq: 16 Jul 2019 10:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 96 Resp: 10066

Ion Ratio Lower Upper

96 100

61 127.4 104.2 156.2

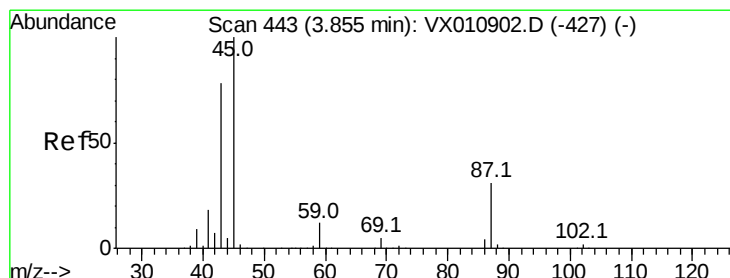
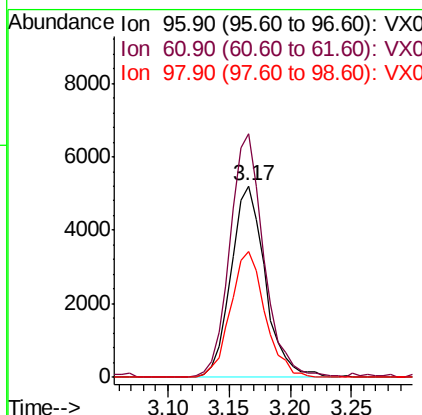
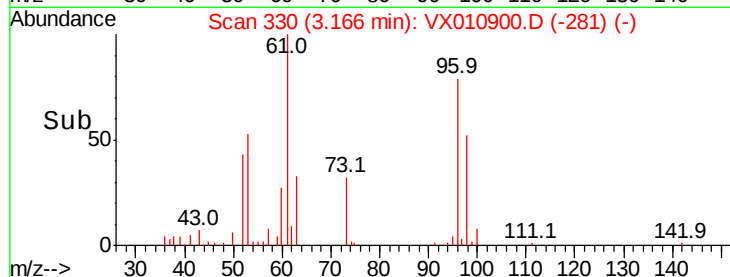
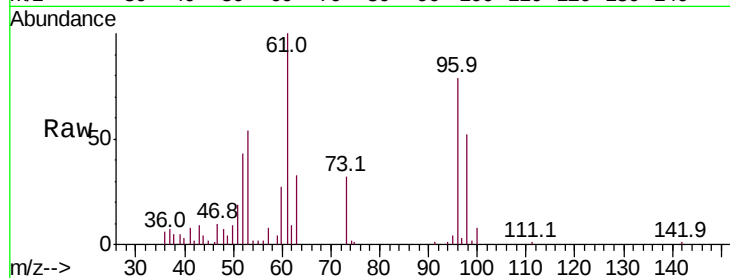
98 65.9 52.2 78.4

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#22

Diisopropyl ether

Concen: 5.215 ug/l

RT: 3.86 min Scan# 444

Delta R.T. 0.01 min

Lab File: VX010900.D

Acq: 16 Jul 2019 10:06

Tgt Ion: 45 Resp: 29850

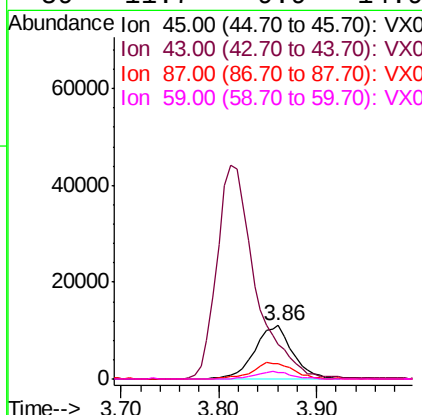
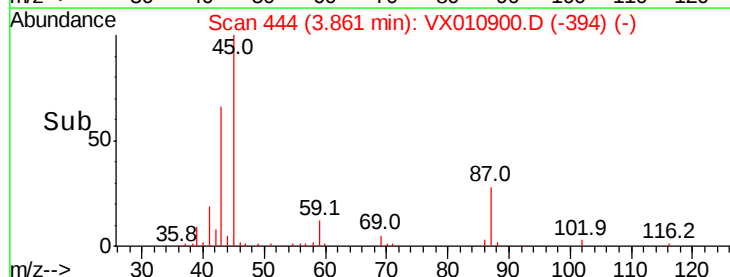
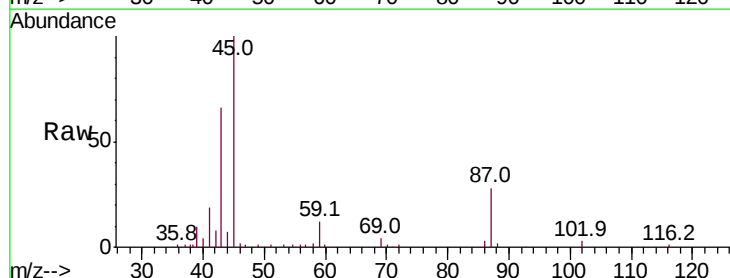
Ion Ratio Lower Upper

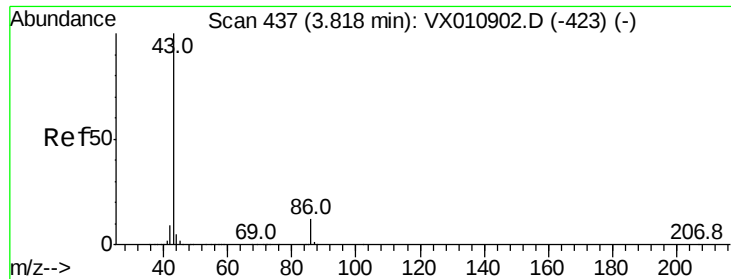
45 100

43 63.9 62.3 93.5

87 28.1 25.0 37.4

59 11.7 9.9 14.9





#23

Vinyl Acetate

Concen: 24.383 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX010900.D

Acq: 16 Jul 2019 10:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 120395

Ion Ratio Lower Upper

43 100

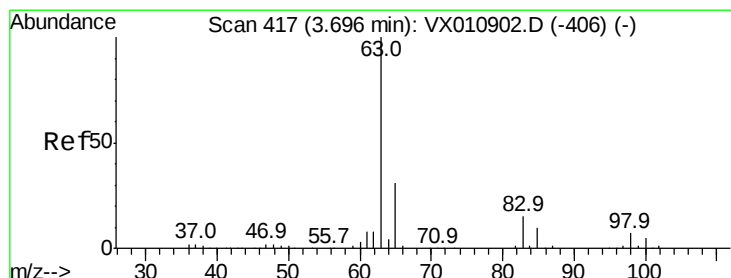
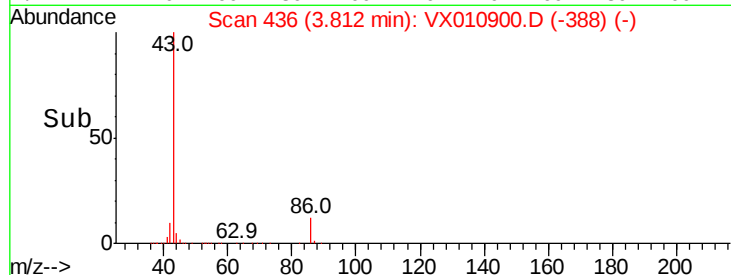
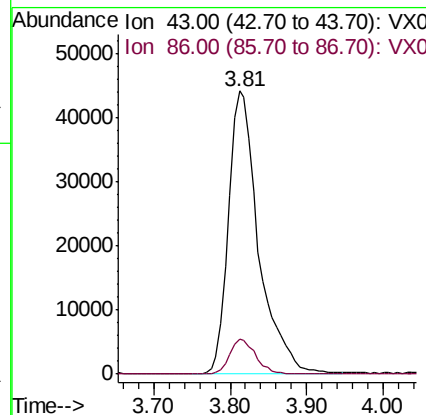
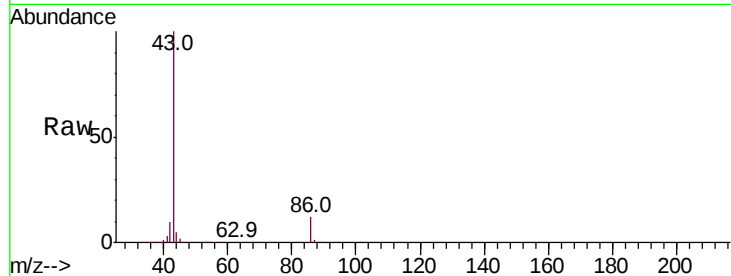
86 12.3 9.4 14.0

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#24

1,1-Dichloroethane

Concen: 5.296 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX010900.D

Acq: 16 Jul 2019 10:06

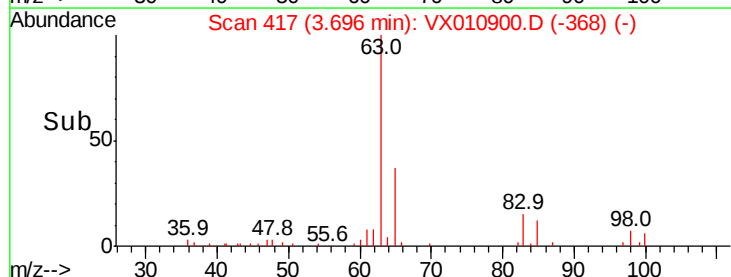
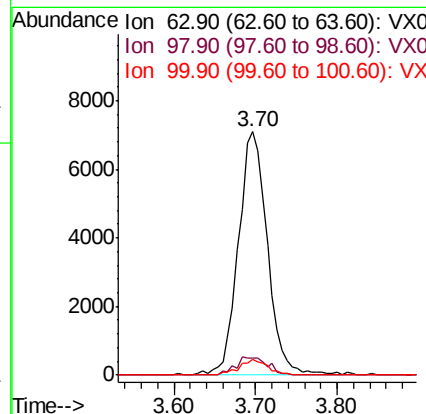
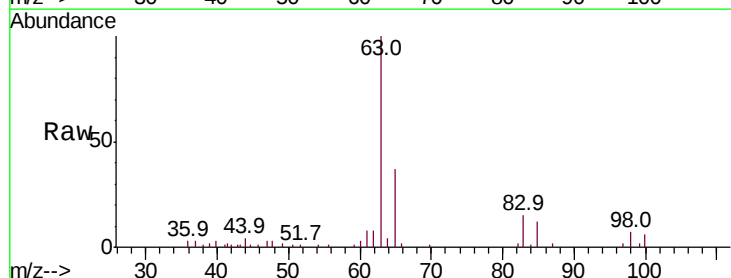
Tgt Ion: 63 Resp: 17491

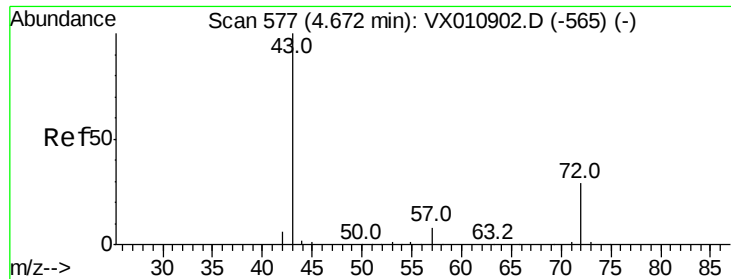
Ion Ratio Lower Upper

63 100

98 6.9 3.6 10.9

100 6.4 2.4 7.2





#25

2-Butanone

Concen: 25.156 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX010900.D

Acq: 16 Jul 2019 10:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 38135

Ion Ratio Lower Upper

43 100

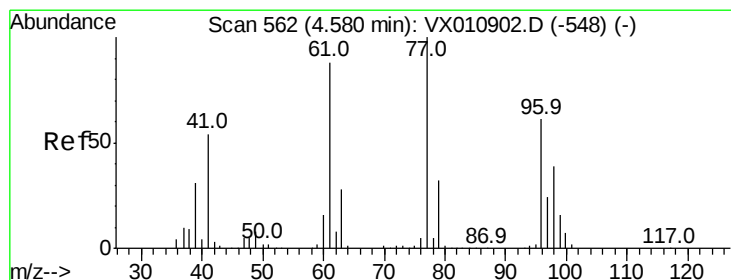
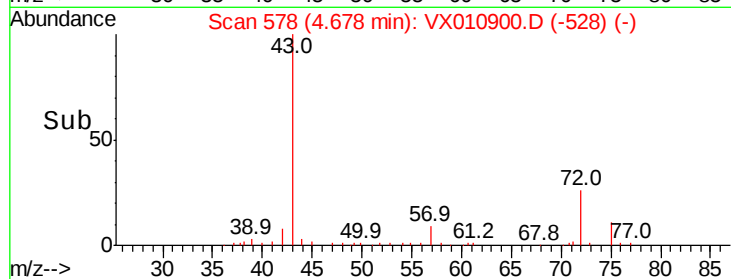
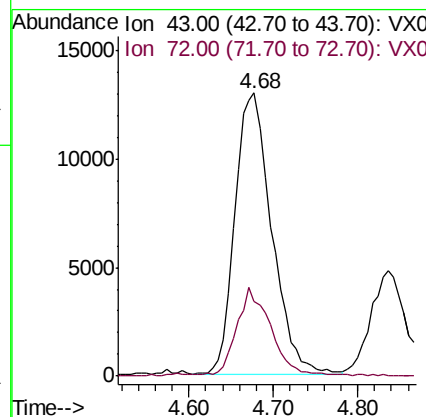
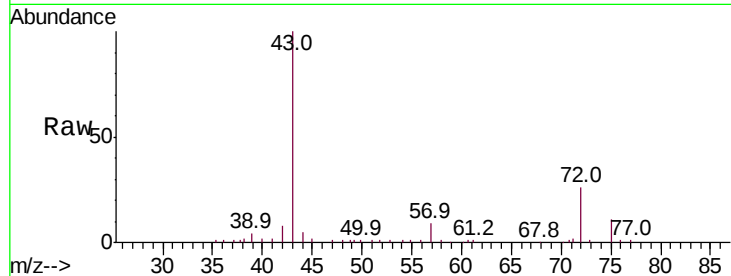
72 25.9 23.0 34.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 4.680 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX010900.D

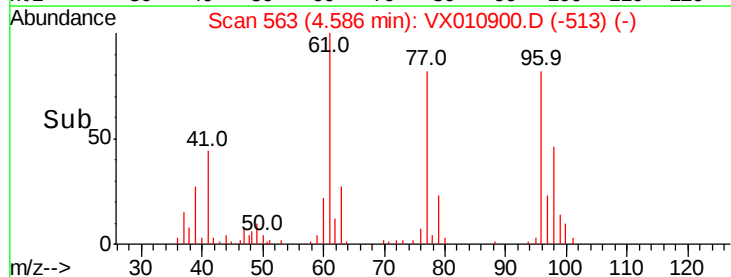
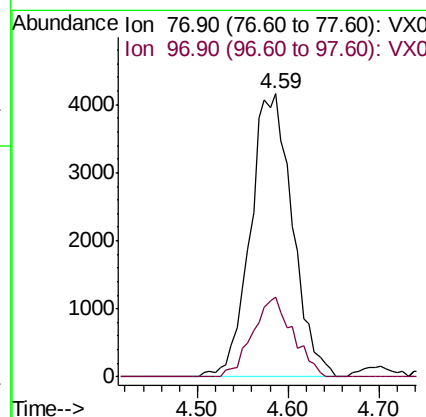
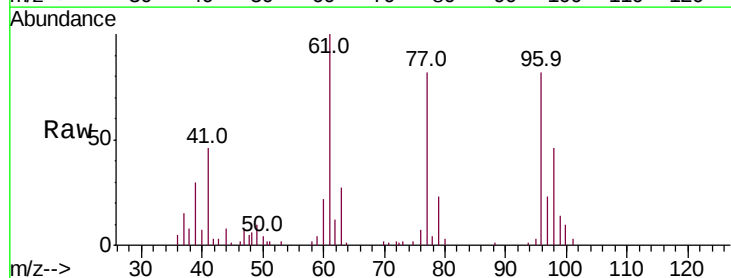
Acq: 16 Jul 2019 10:06

Tgt Ion: 77 Resp: 13376

Ion Ratio Lower Upper

77 100

97 27.0 12.6 37.6





#27

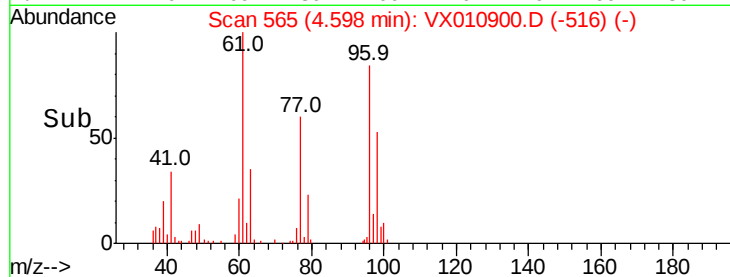
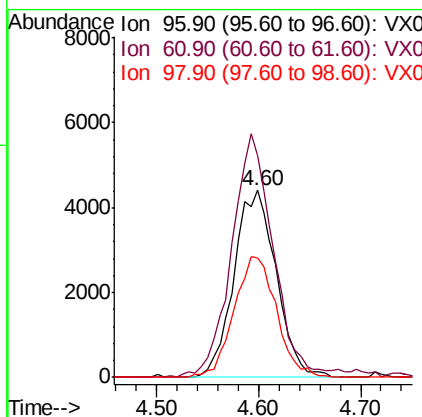
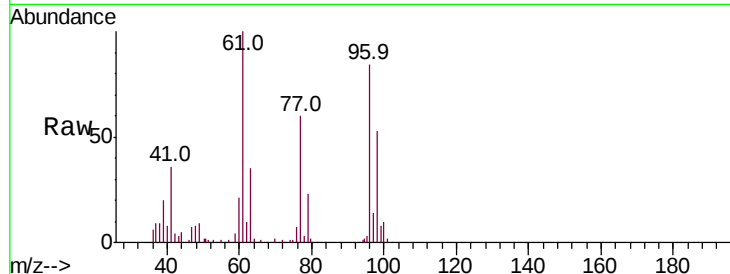
cis-1,2-Dichloroethene
Concen: 5.336 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX010900.D
Acq: 16 Jul 2019 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
96	100	12665		
61	128.2	0.0	269.0	
98	64.8	0.0	131.4	

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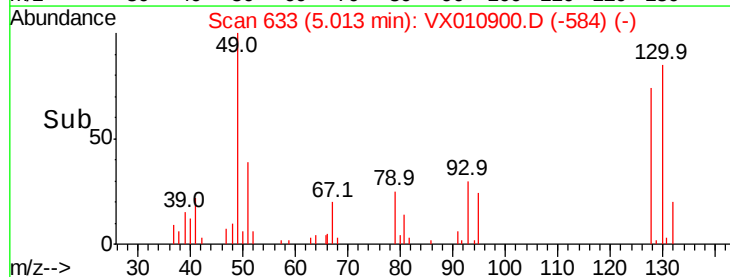
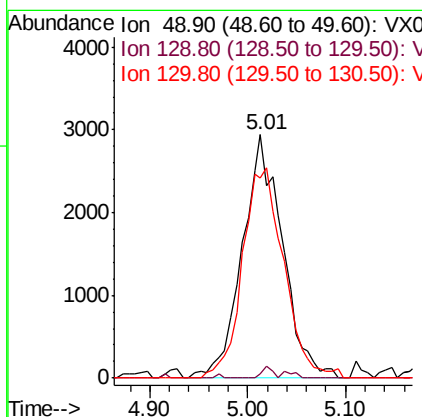
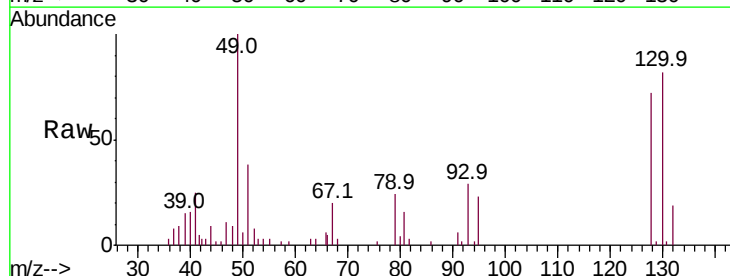
MMDadoda
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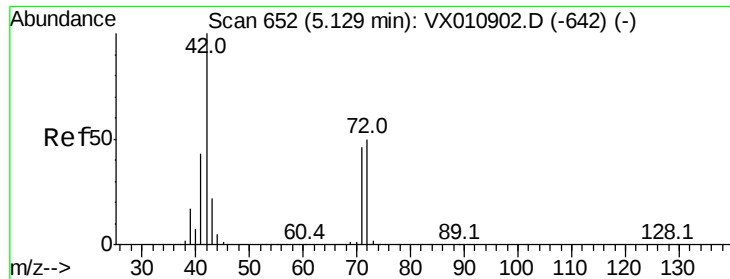


#28

Bromochloromethane
Concen: 5.322 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX010900.D
Acq: 16 Jul 2019 10:06

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	8393		
129	1.2	0.0	5.2	
130	89.2	76.9	115.3	





#29

Tetrahydrofuran

Concen: 25.778 ug/l

RT: 5.13 min Scan# 653

Delta R.T. 0.01 min

Lab File: VX010900.D

Acq: 16 Jul 2019 10:06

Instrument :

MSVOA_X

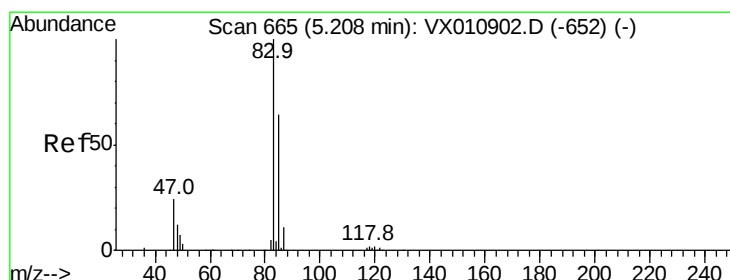
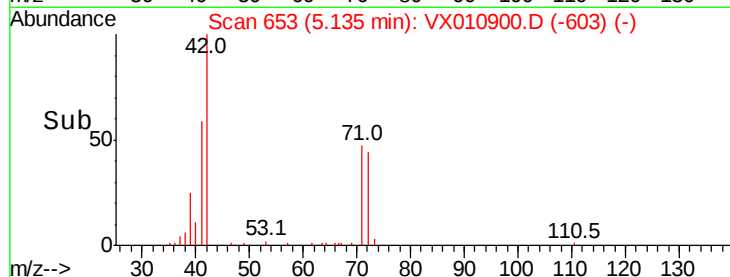
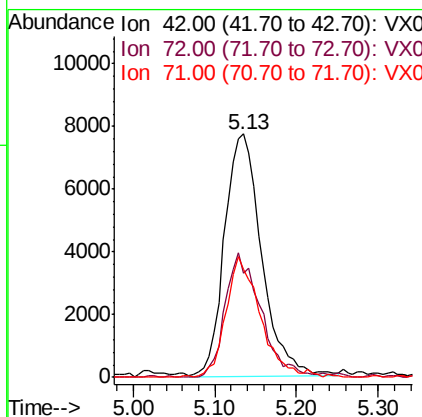
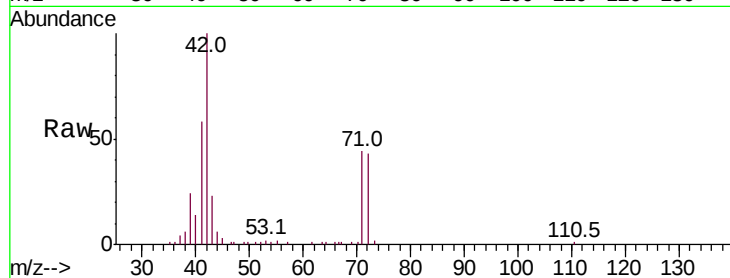
ClientSampleId :

VSTDIC005

Tot Ion:	42	Resp:	24330
Ion	Ratio	Lower	Upper
42	100		
72	49.5	39.8	59.8
71	45.5	37.0	55.4

Manual Integrations
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#30

Chloroform

Concen: 5.315 ug/l

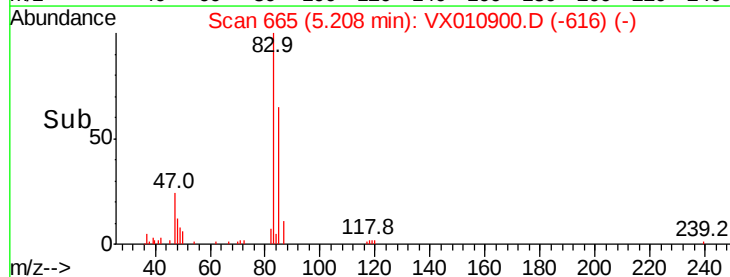
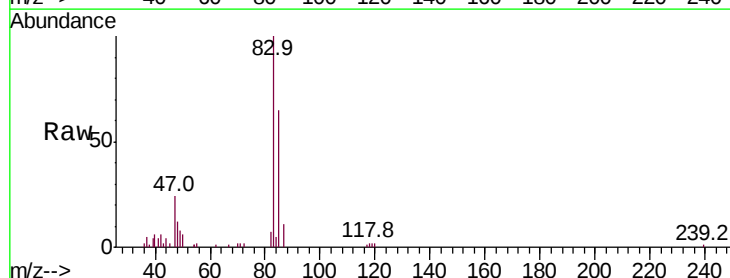
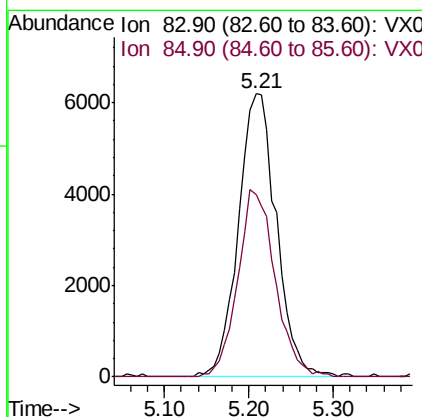
RT: 5.21 min Scan# 665

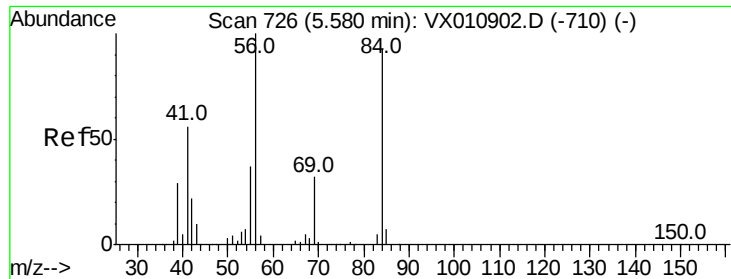
Delta R.T. 0.00 min

Lab File: VX010900.D

Acq: 16 Jul 2019 10:06

Tgt Ion:	83	Resp:	18912
Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.4	77.0





#31

Cyclohexane

Concen: 5.459 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX010900.D

Acq: 16 Jul 2019 10:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 16471

Ion Ratio Lower Upper

56 100

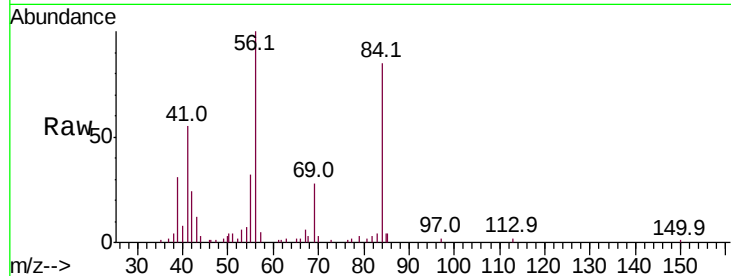
69 28.5 25.8 38.8

84 82.7 73.8 110.6

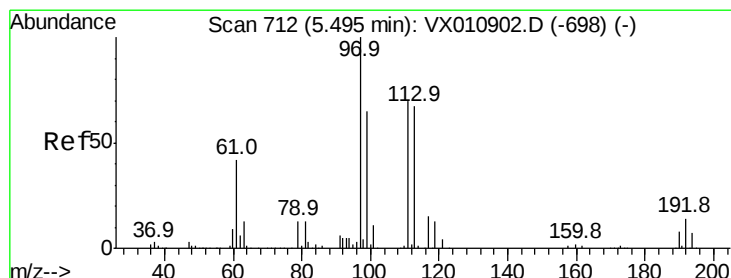
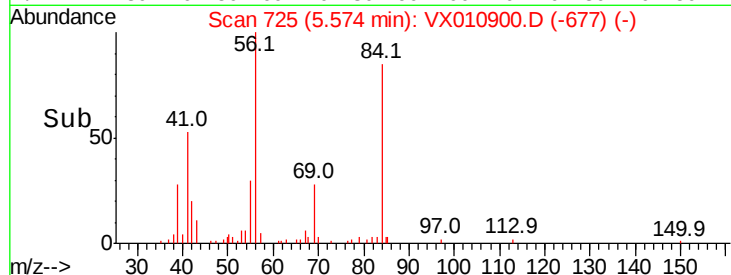
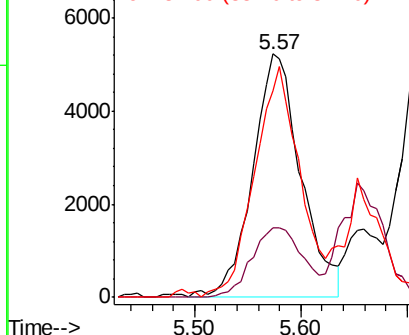
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Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 4.859 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX010900.D

Acq: 16 Jul 2019 10:06

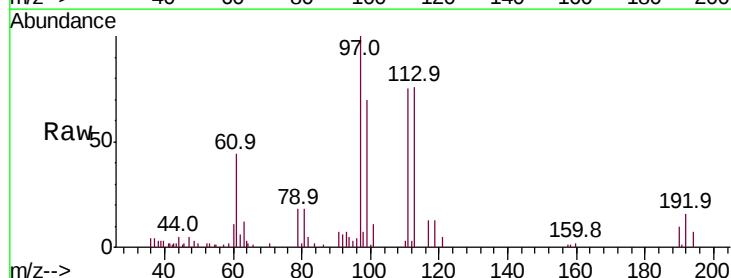
Tgt Ion: 97 Resp: 15267

Ion Ratio Lower Upper

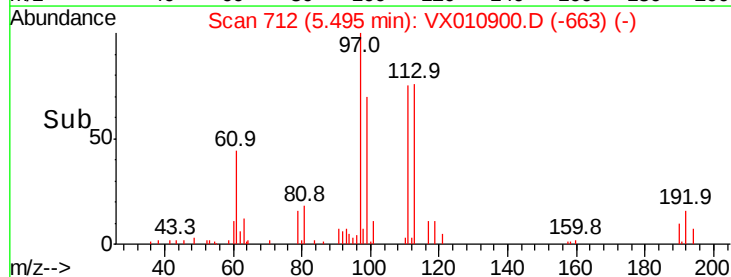
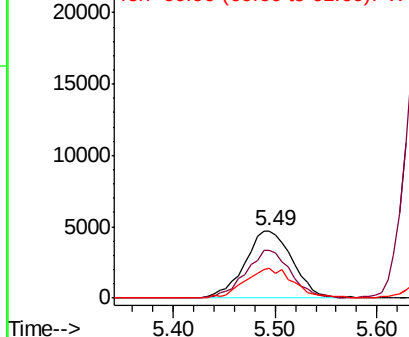
97 100

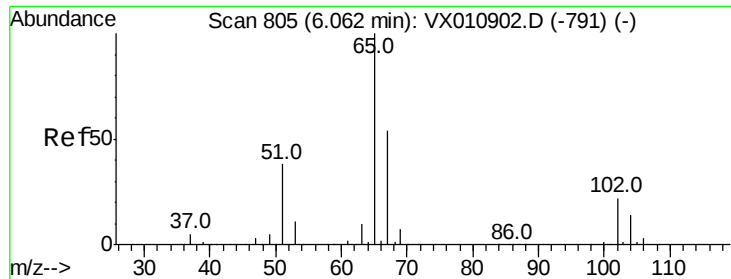
99 66.6 51.4 77.0

61 45.1 33.0 49.6



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0





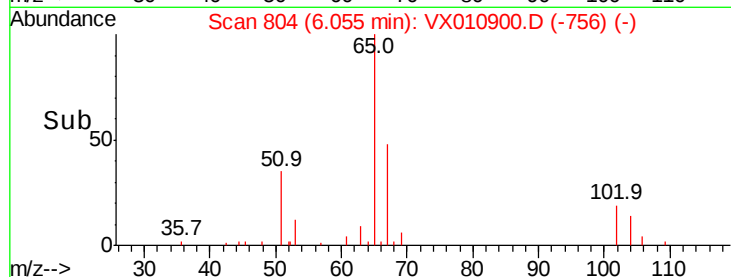
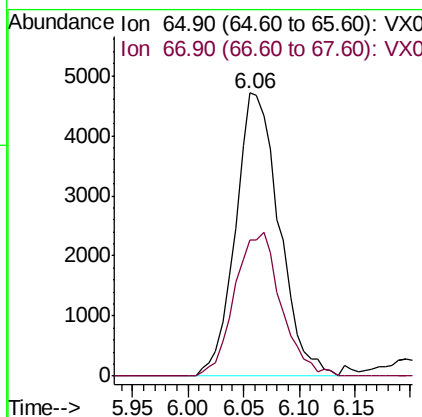
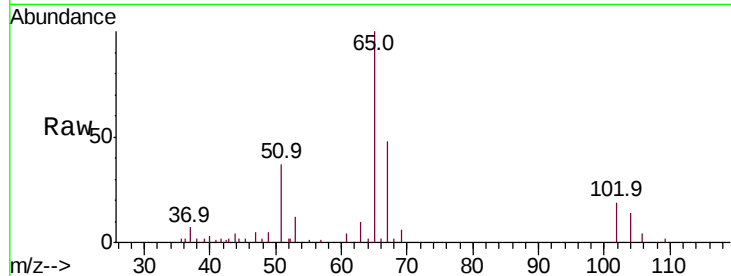
#33
 1,2-Dichloroethane-d4
 Concen: 6.097 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: VX010900.D
 Acq: 16 Jul 2019 10:06

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.8	0.0	107.8

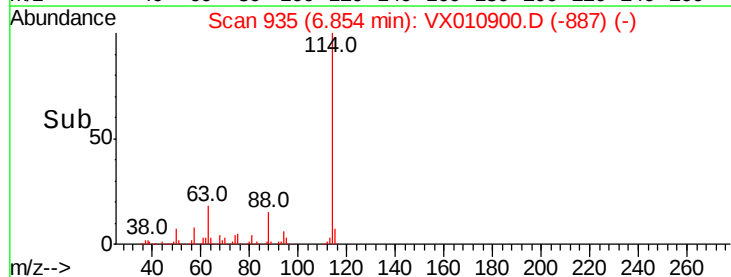
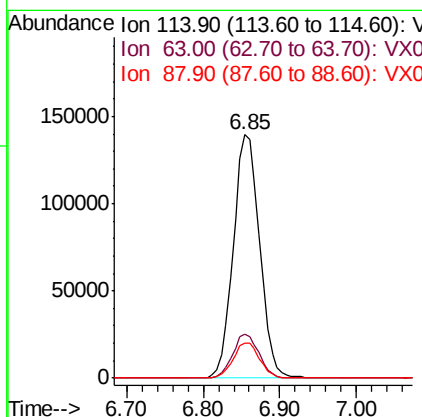
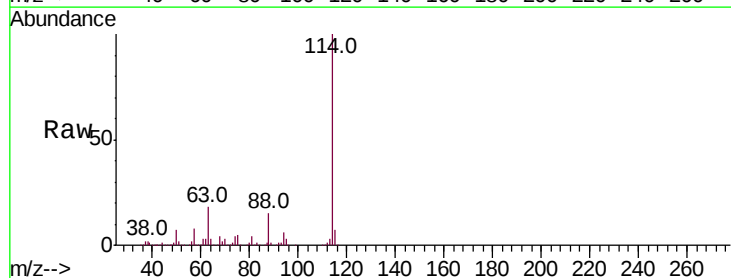
Manual Integrations
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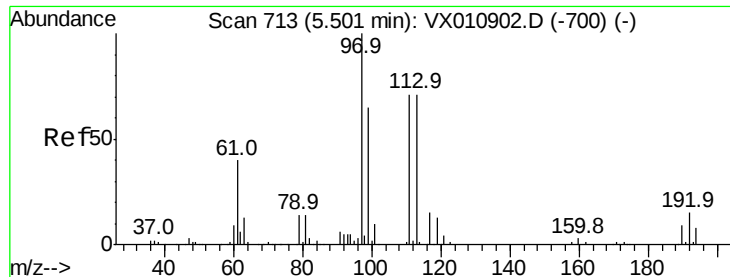
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX010900.D
 Acq: 16 Jul 2019 10:06

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.8	0.0	35.6
88	14.6	0.0	29.8





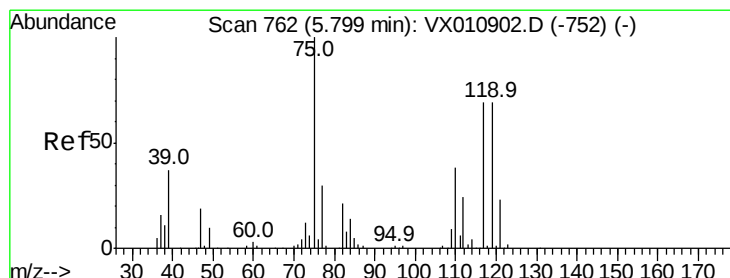
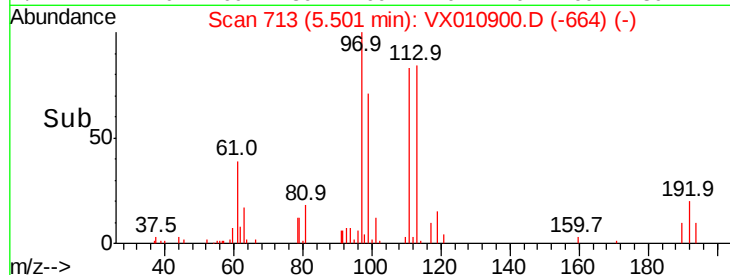
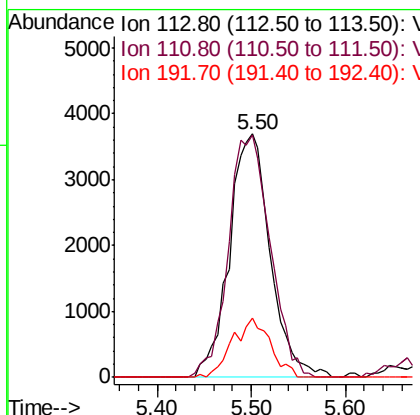
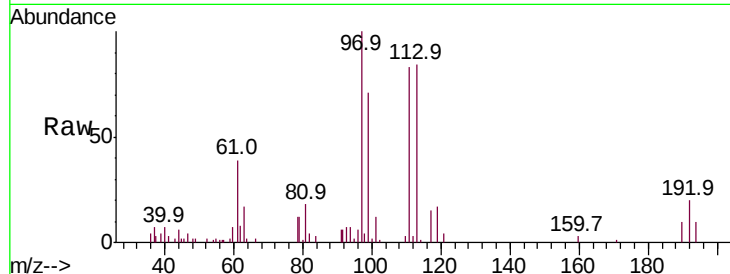
#35
 Dibromofluoromethane
 Concen: 5.478 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX010900.D
 Acq: 16 Jul 2019 10:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
113	100	11160		
111	101.8	82.3	123.5	
192	22.6	17.4	26.2	

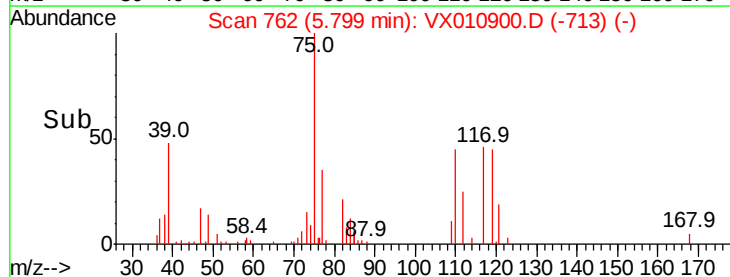
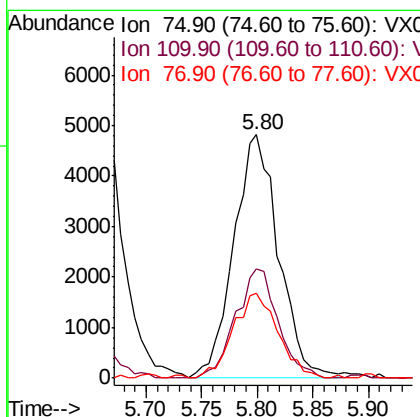
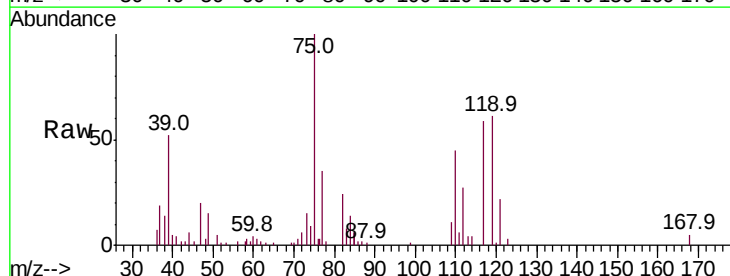
Manual Integrations
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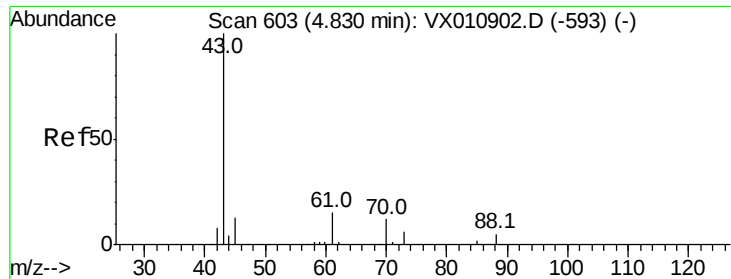
MMDadoda
 7/17/2019 10:44:57 AM



#36
 1,1-Dichloropropene
 Concen: 5.062 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX010900.D
 Acq: 16 Jul 2019 10:06

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	13472		
110	42.5	19.9	59.7	
77	35.1	25.0	37.4	





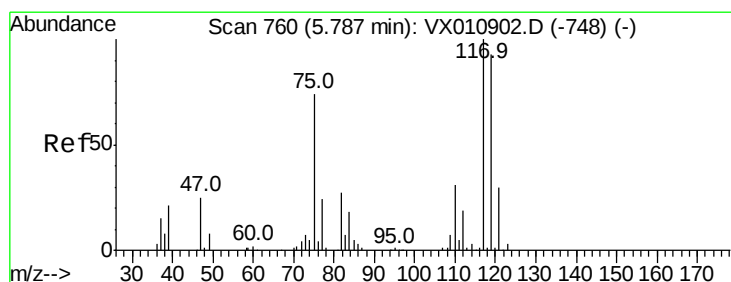
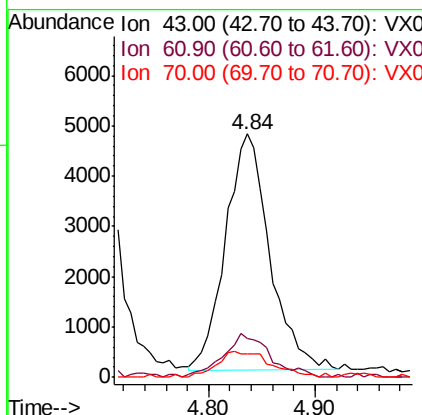
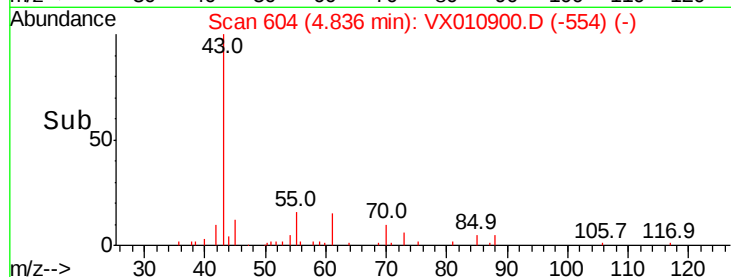
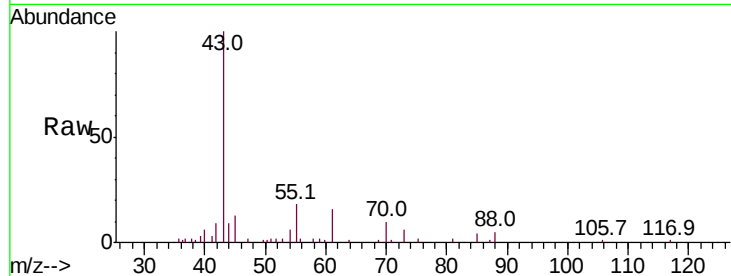
#37
Ethyl Acetate
Concen: 4.973 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX010900.D
Acq: 16 Jul 2019 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.6	11.6	17.4#
70	13.3	9.1	13.7

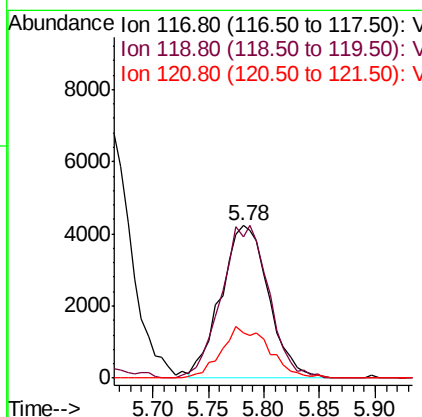
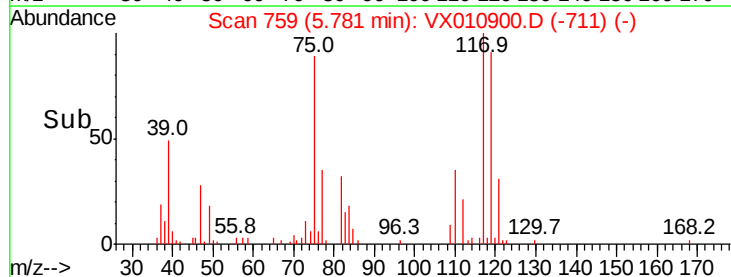
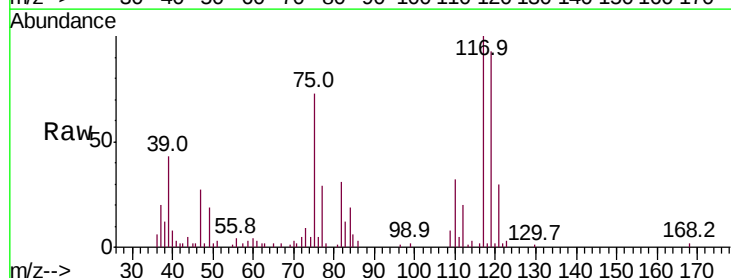
Manual Integrations
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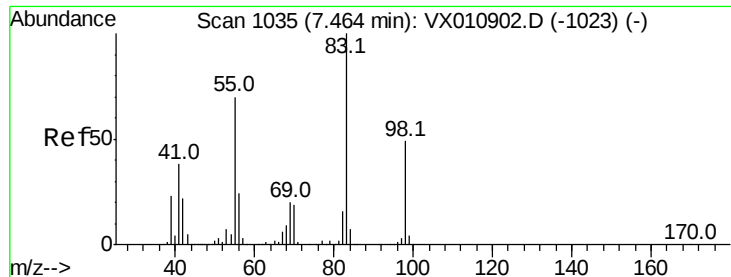
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#38
Carbon Tetrachloride
Concen: 4.405 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX010900.D
Acq: 16 Jul 2019 10:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.7	74.2	111.2
121	30.1	24.2	36.2





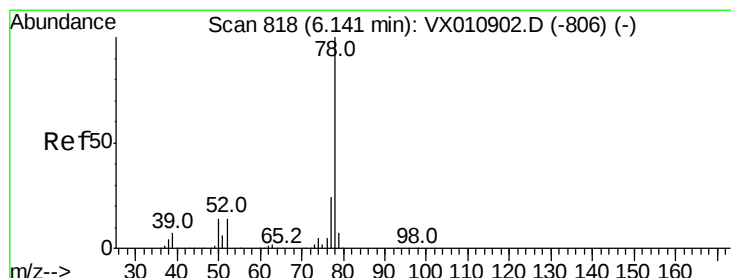
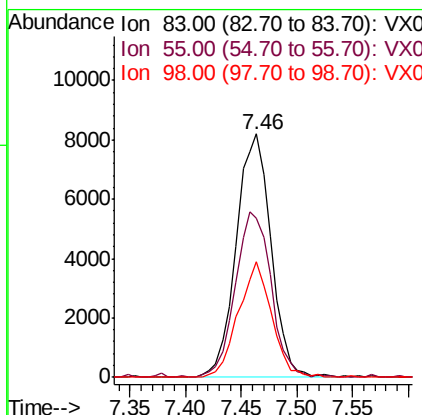
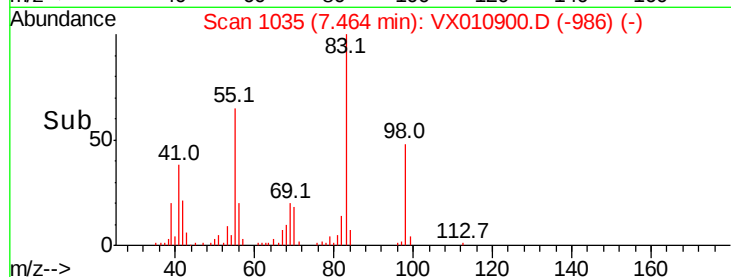
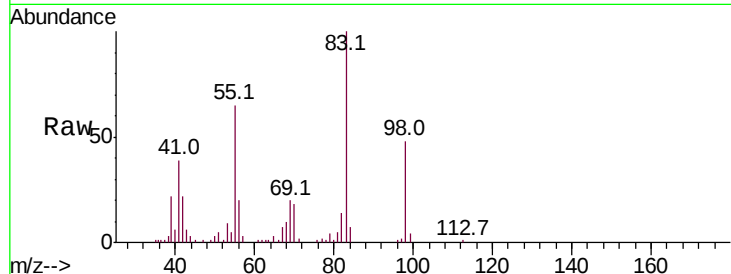
#39
Methvlcvclohexane
Concen: 5.100 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010900.D
Acq: 16 Jul 2019 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	65.4	56.2	84.4
98	47.5	39.0	58.4

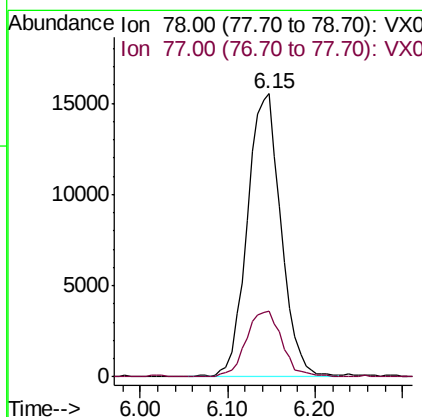
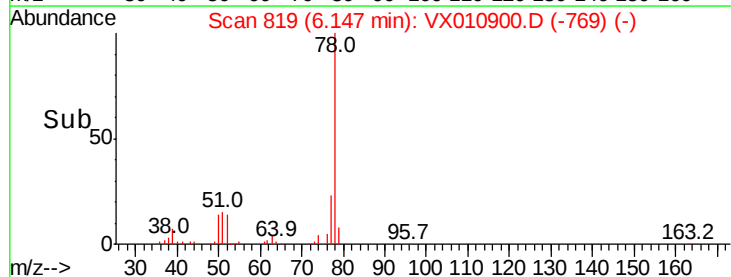
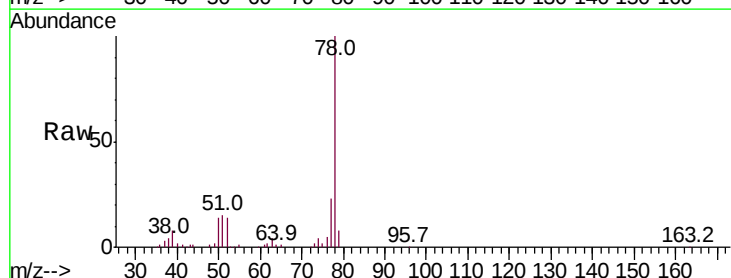
Manual Integrations
APPROVED

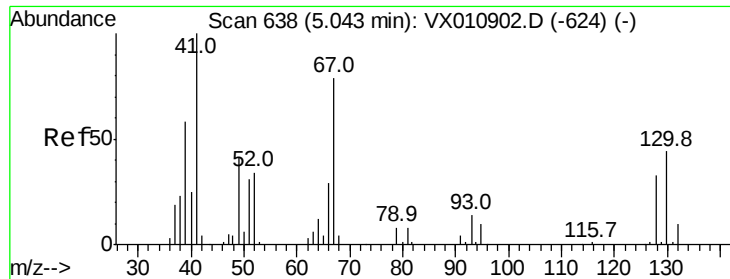
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#40
Benzene
Concen: 5.056 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX010900.D
Acq: 16 Jul 2019 10:06

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.0	28.6





#41

Methacrylonitrile

Concen: 4.935 ug/l

RT: 5.05 min Scan# 639

Delta R.T. 0.01 min

Lab File: VX010900.D

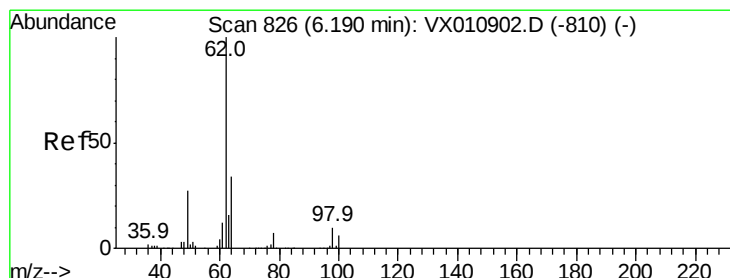
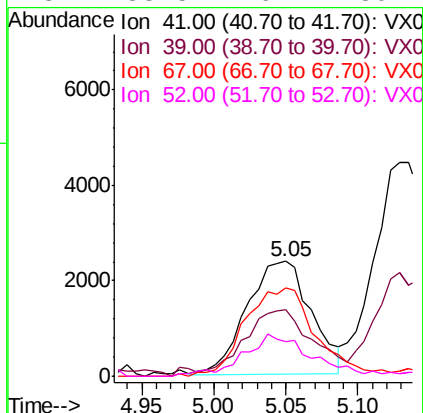
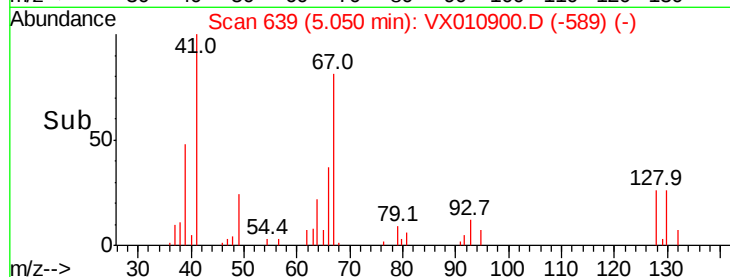
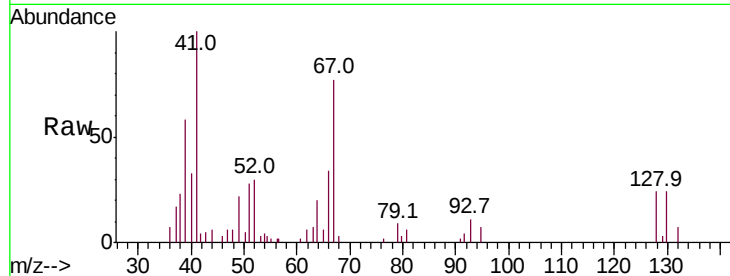
Acq: 16 Jul 2019 10:06

Tot Ion:	41	Resp:	7354
Ion	Ratio	Lower	Upper
41	100		
39	55.2	45.4	68.2
67	86.4	65.9	98.9
52	38.5	26.2	39.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Manual Integrations
APPROVED

MMDadoda
7/17/2019 10:44:57 AM



#42

1,2-Dichloroethane

Concen: 5.779 ug/l

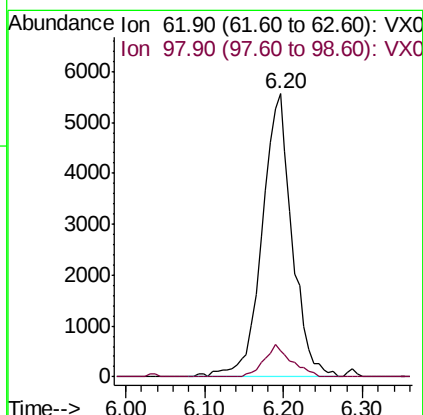
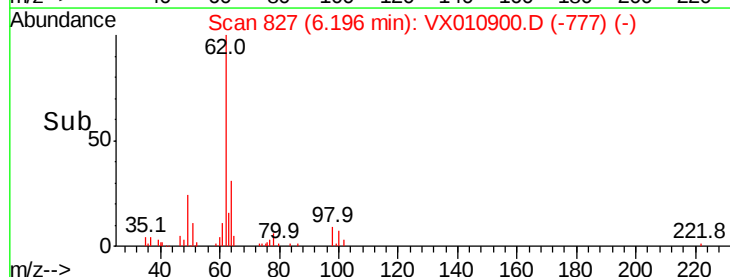
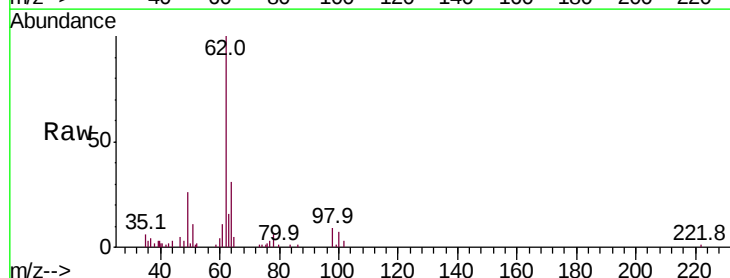
RT: 6.20 min Scan# 827

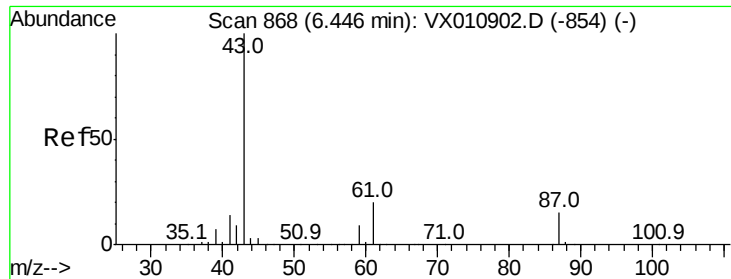
Delta R.T. 0.01 min

Lab File: VX010900.D

Acq: 16 Jul 2019 10:06

Tgt Ion:	62	Resp:	14698
Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	20.0





#43

Isopropyl Acetate

Concen: 4.776 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX010900.D

Acq: 16 Jul 2019 10:06

Instrument :

MSVOA_X

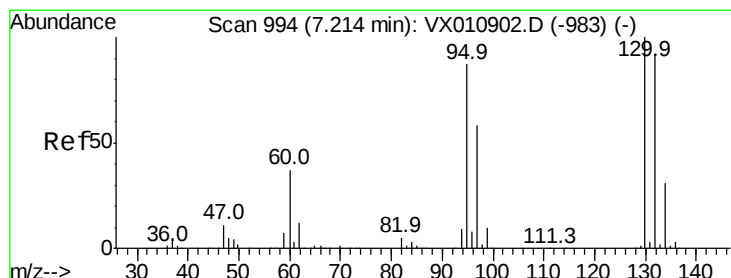
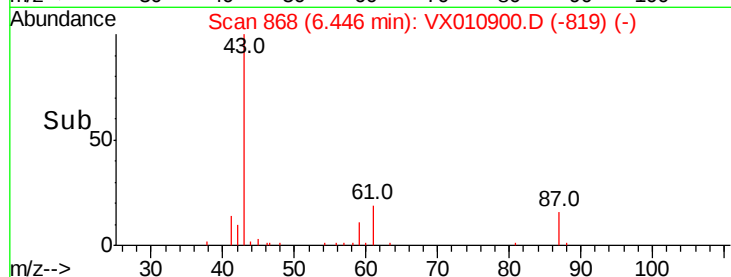
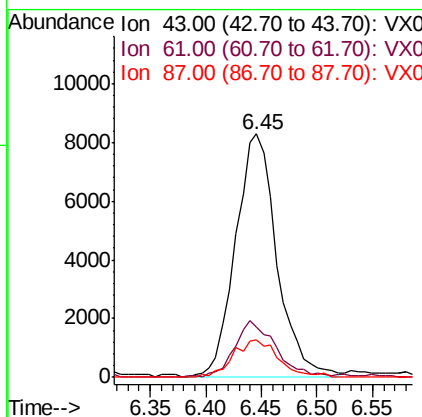
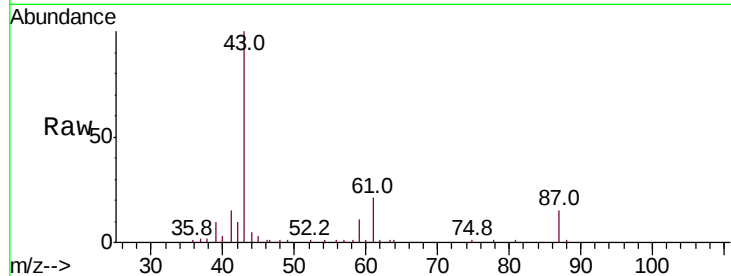
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	21499
Ion	Ratio	Lower	Upper
43	100		
61	23.3	17.1	25.7
87	16.8	12.0	18.0

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#44

Trichloroethene

Concen: 5.101 ug/l

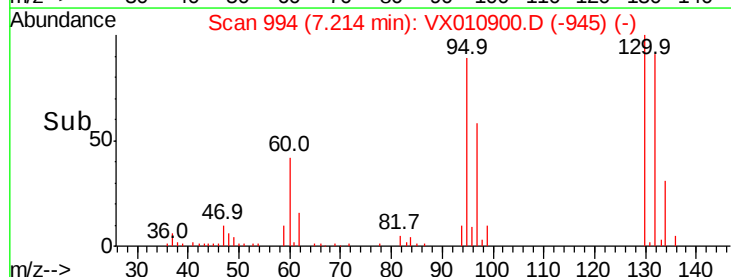
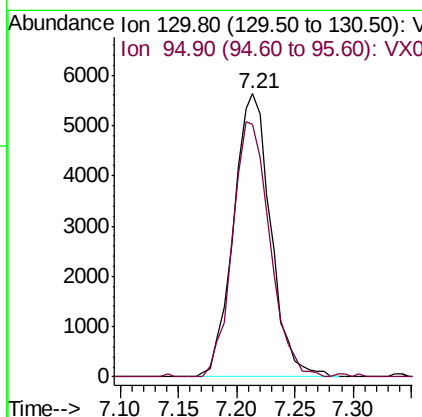
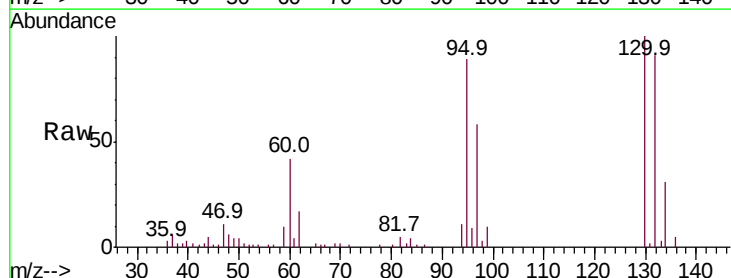
RT: 7.21 min Scan# 994

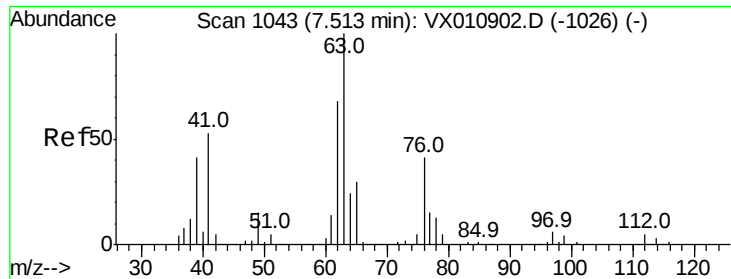
Delta R.T. 0.00 min

Lab File: VX010900.D

Acq: 16 Jul 2019 10:06

Tgt Ion:	130	Resp:	12544
Ion	Ratio	Lower	Upper
130	100		
95	89.1	0.0	174.8





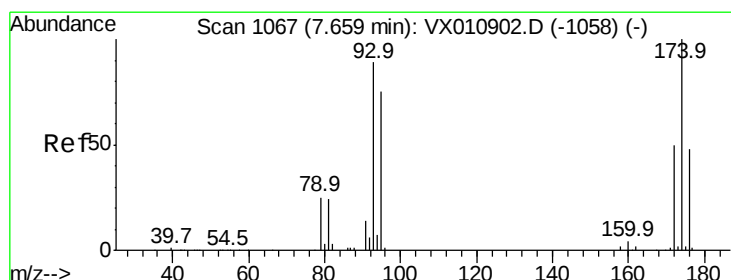
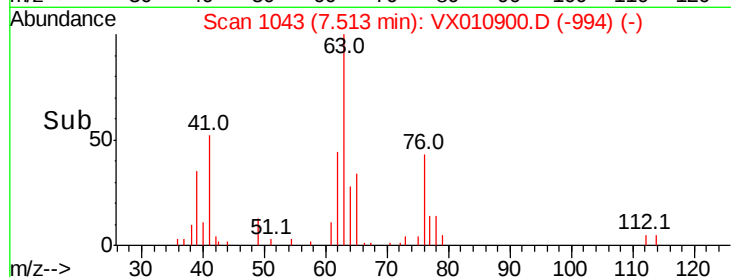
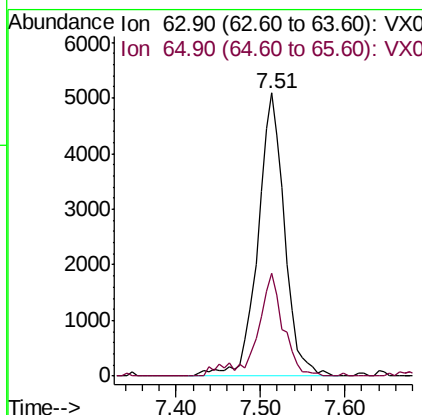
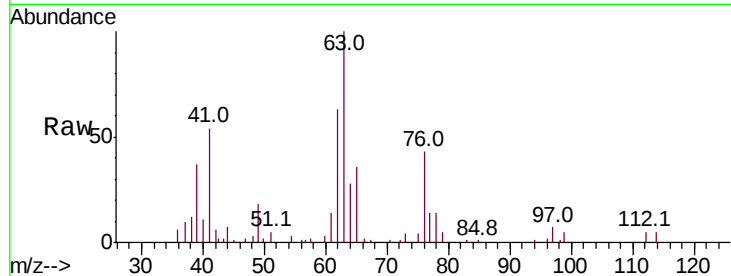
#45
 1,2-Dichloropropane
 Concen: 5.301 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX010900.D
 Acq: 16 Jul 2019 10:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 11036
 Ion Ratio Lower Upper
 63 100
 65 36.1 24.4 36.6

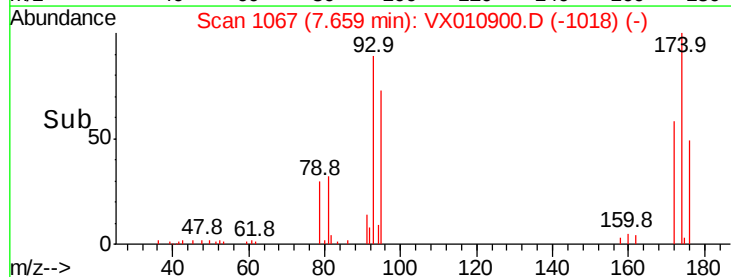
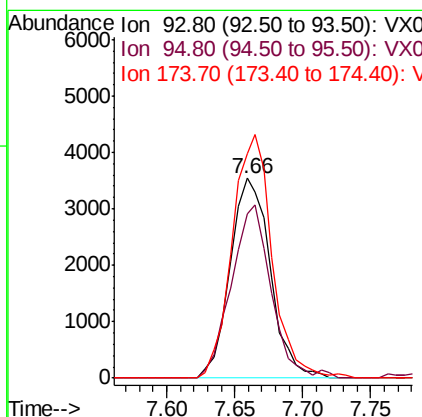
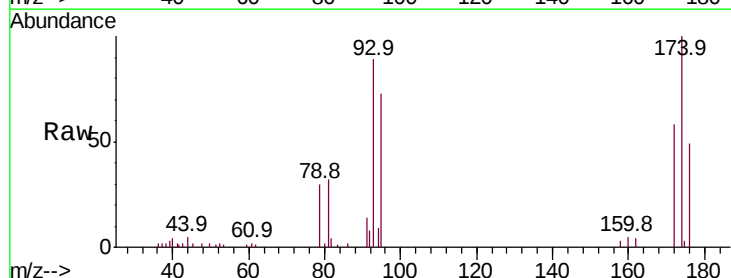
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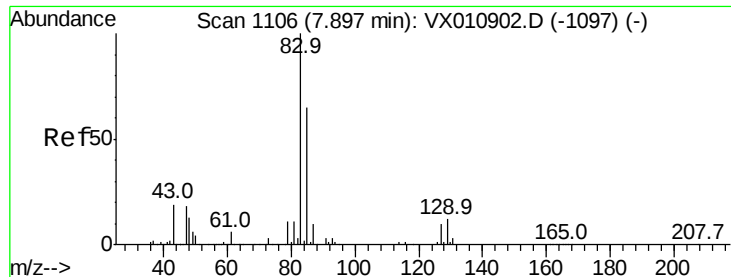
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#46
 Dibromomethane
 Concen: 4.880 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX010900.D
 Acq: 16 Jul 2019 10:06

Tgt Ion: 93 Resp: 7294
 Ion Ratio Lower Upper
 93 100
 95 84.8 67.2 100.8
 174 120.7 90.6 135.8





#47

Bromodichloromethane

Concen: 4.462 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX010900.D

Acq: 16 Jul 2019 10:06

Instrument :

MSVOA_X

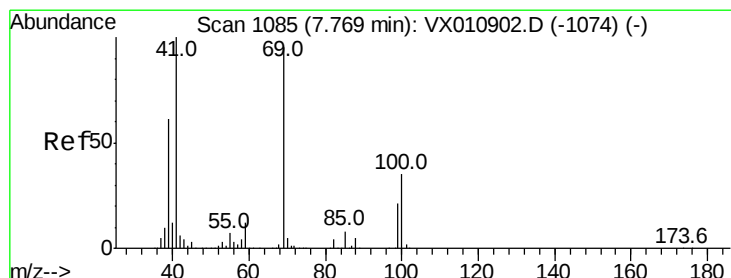
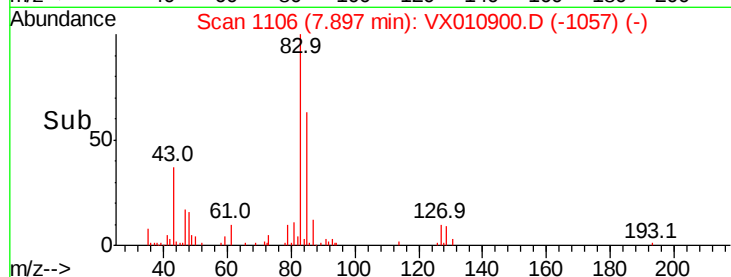
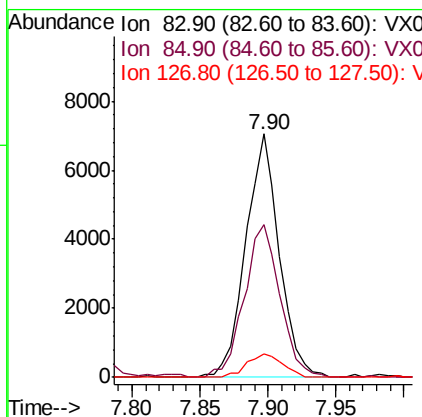
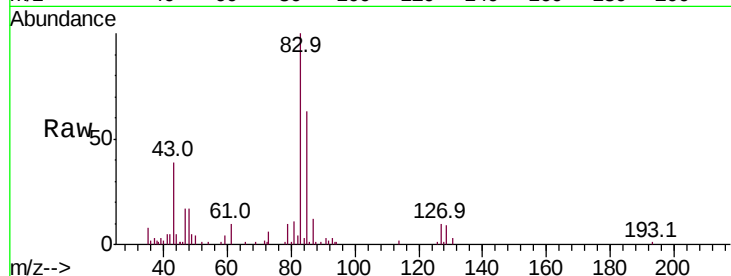
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	12159
Ion	Ratio	Lower	Upper
83	100		
85	62.7	52.5	78.7
127	9.7	7.8	11.8

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#48

Methyl methacrylate

Concen: 4.870 ug/l

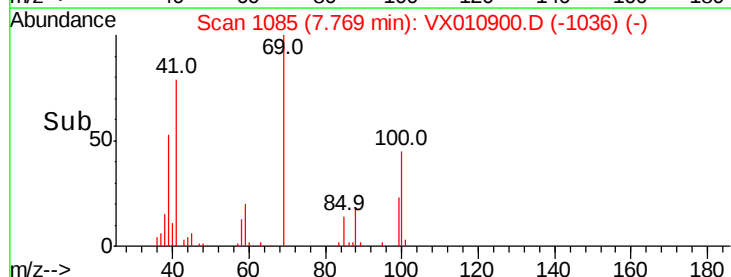
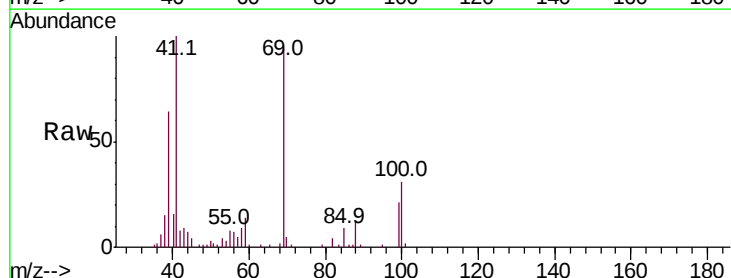
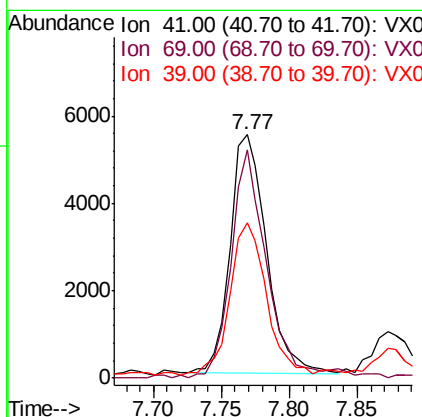
RT: 7.77 min Scan# 1085

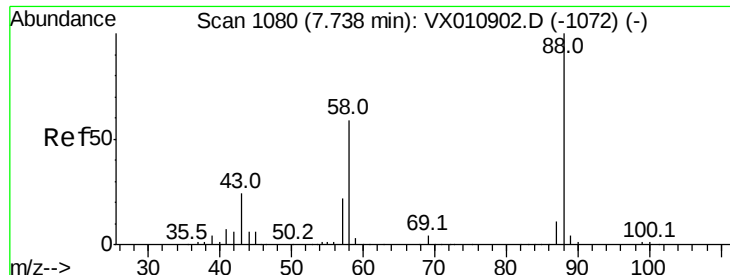
Delta R.T. 0.00 min

Lab File: VX010900.D

Acq: 16 Jul 2019 10:06

Tgt Ion:	41	Resp:	10219
Ion	Ratio	Lower	Upper
41	100		
69	95.0	74.4	111.6
39	63.7	48.9	73.3





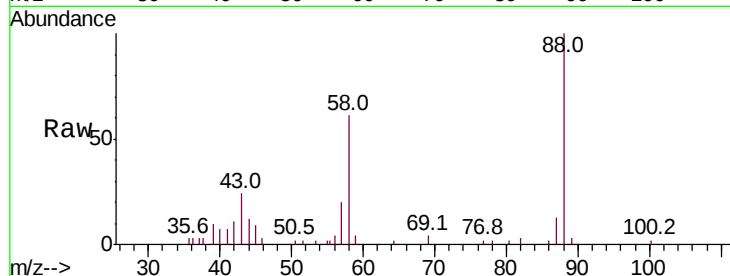
#49
1,4-Dioxane
Concen: 104.624 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX010900.D
Acq: 16 Jul 2019 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

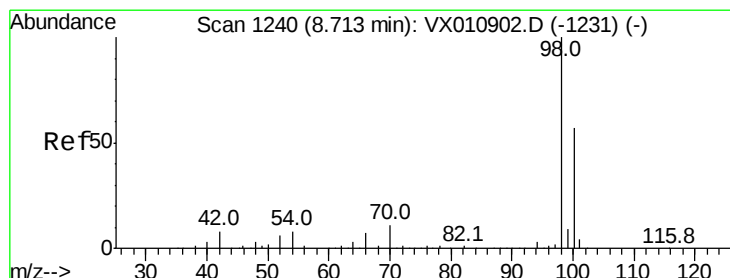
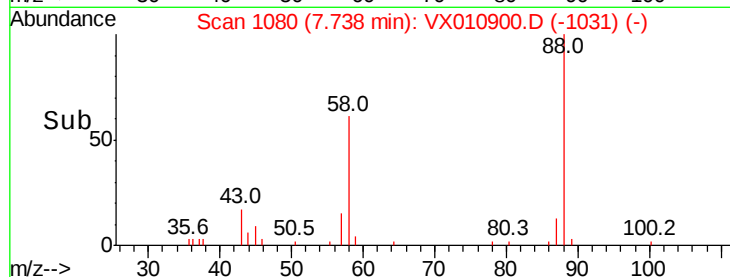
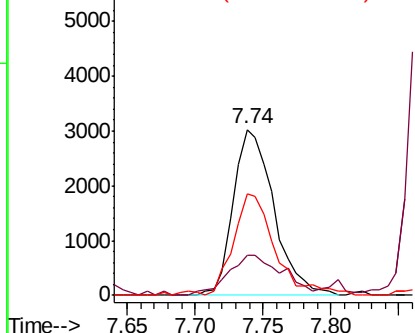
Tot Ion	Ratio	Lower	Upper
88	100		
43	32.2	22.9	34.3
58	62.5	49.8	74.8

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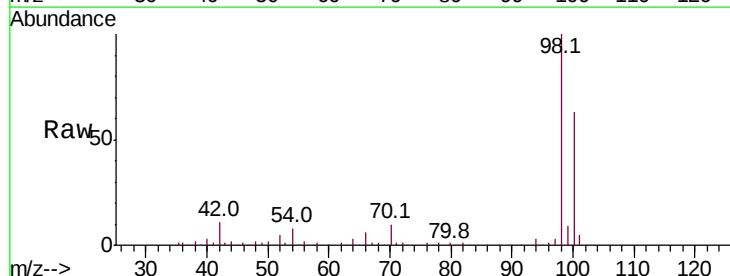


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

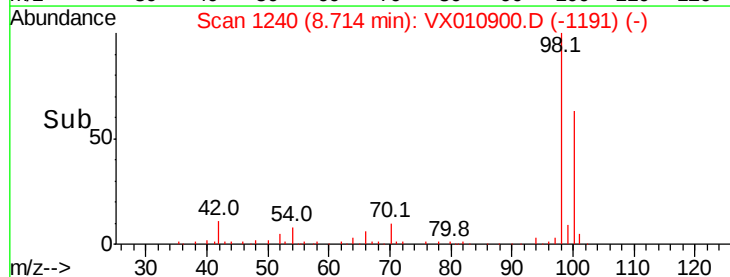
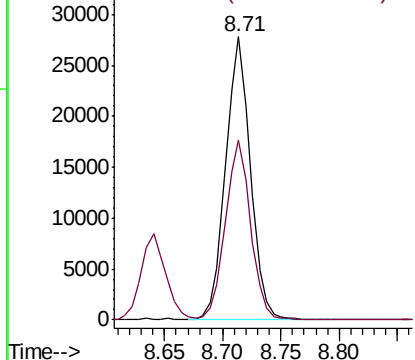


#50
Toluene-d8
Concen: 5.308 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010900.D
Acq: 16 Jul 2019 10:06

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	50.6	75.8



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 25.796 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX010900.D

Acq: 16 Jul 2019 10:06

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

Tot Ion: 43 Resp: 74575

Ion Ratio Lower Upper

43 100

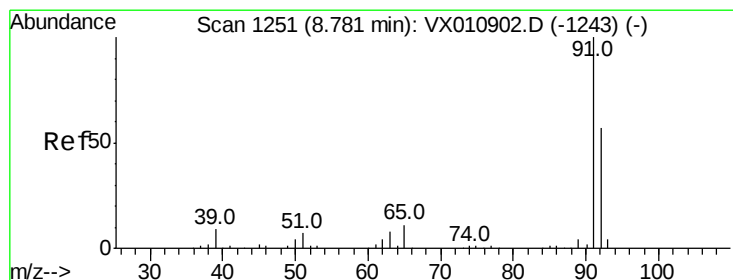
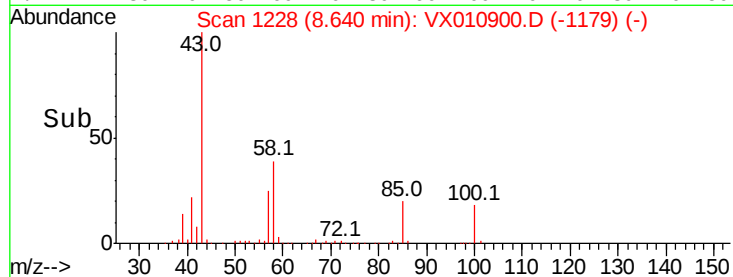
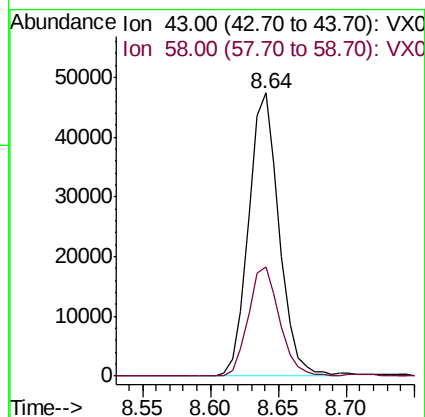
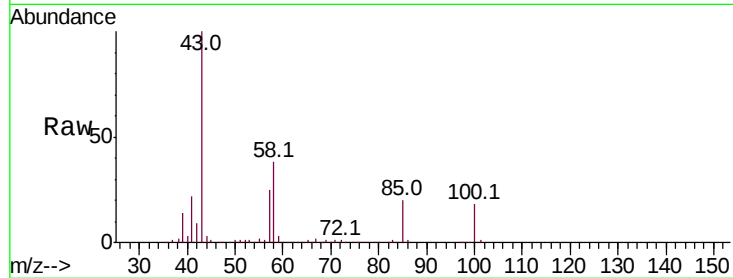
58 39.6 32.2 48.4

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#52

Toluene

Concen: 5.148 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX010900.D

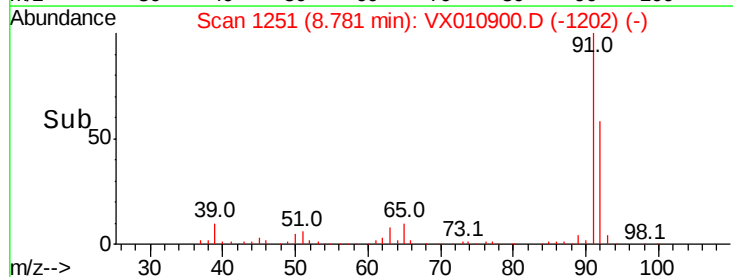
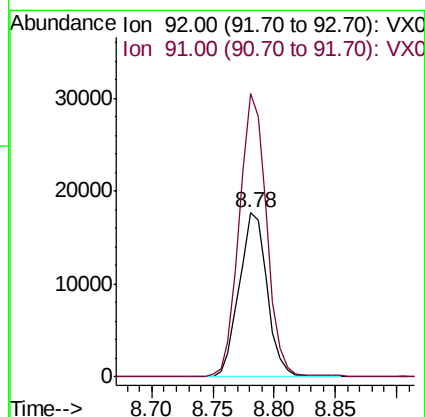
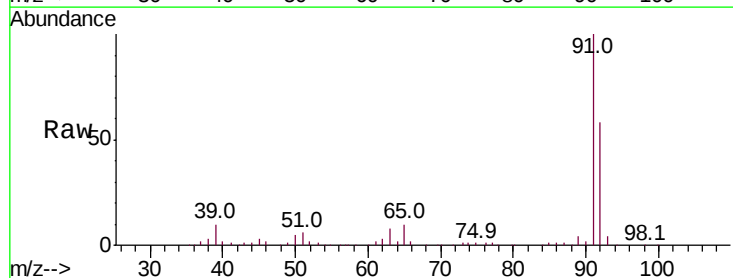
Acq: 16 Jul 2019 10:06

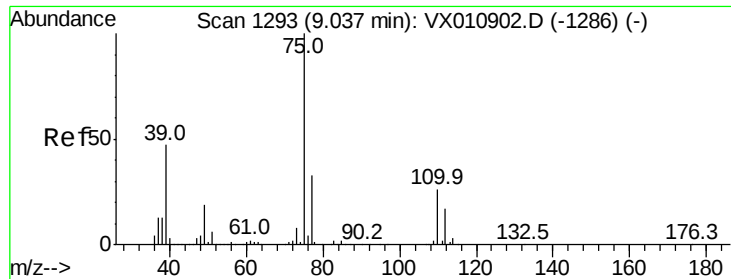
Tgt Ion: 92 Resp: 27907

Ion Ratio Lower Upper

92 100

91 168.5 139.4 209.0





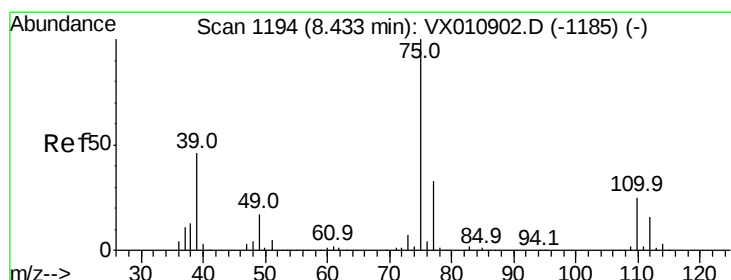
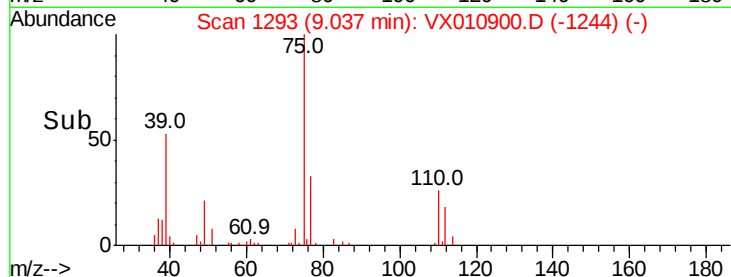
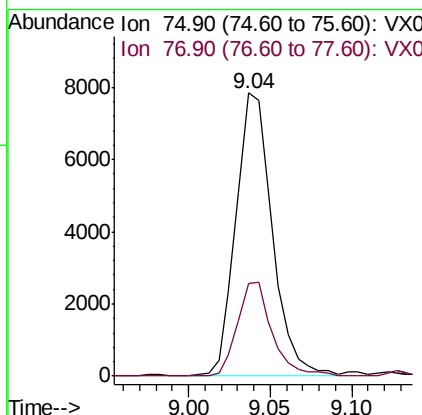
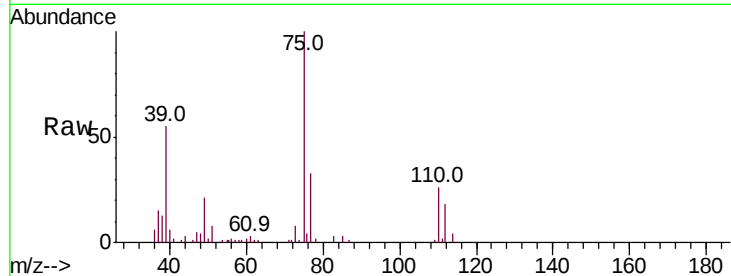
#53
 t-1,3-Dichloropropene
 Concen: 4.018 ug/l
 RT: 9.04 min Scan# 1293
 Delta R.T. 0.00 min
 Lab File: VX010900.D
 Acq: 16 Jul 2019 10:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion: 75 Resp: 12248
 Ion Ratio Lower Upper
 75 100
 77 32.7 26.2 39.2

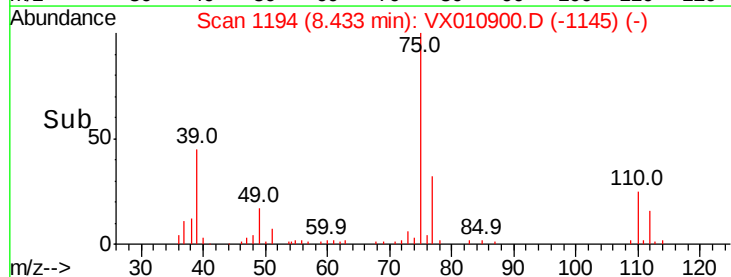
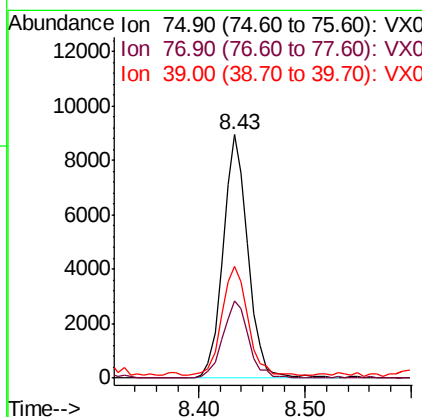
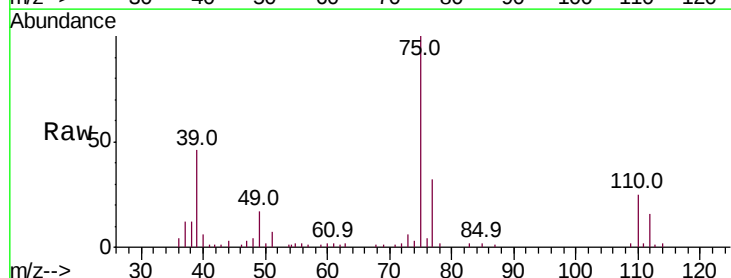
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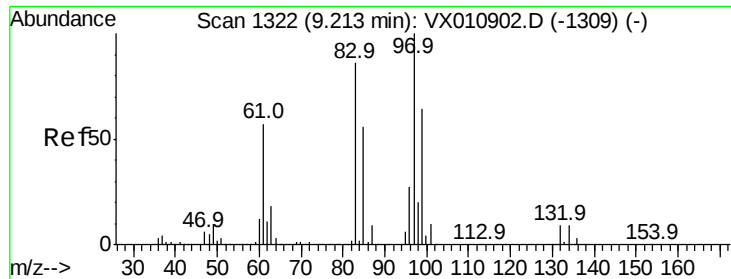
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#54
 cis-1,3-Dichloropropene
 Concen: 4.390 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX010900.D
 Acq: 16 Jul 2019 10:06

Tgt Ion: 75 Resp: 14587
 Ion Ratio Lower Upper
 75 100
 77 31.8 26.1 39.1
 39 44.6 36.6 54.8





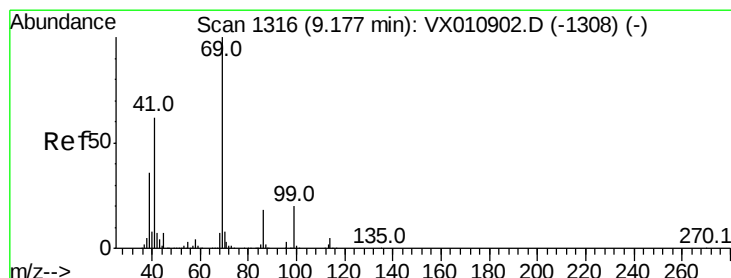
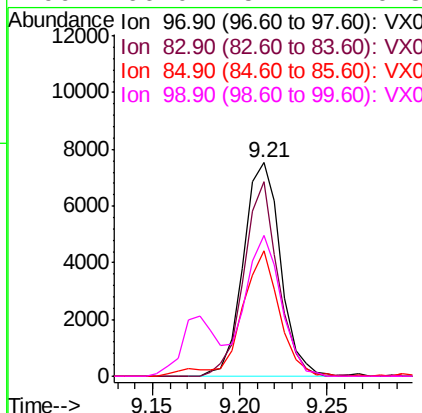
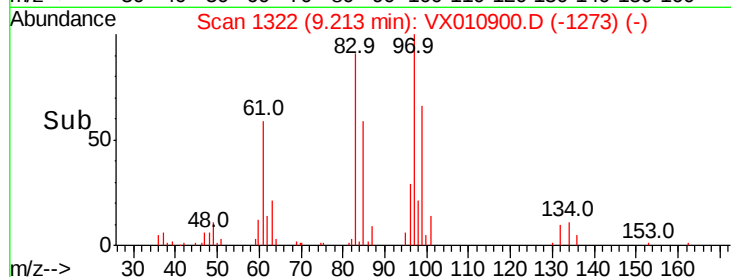
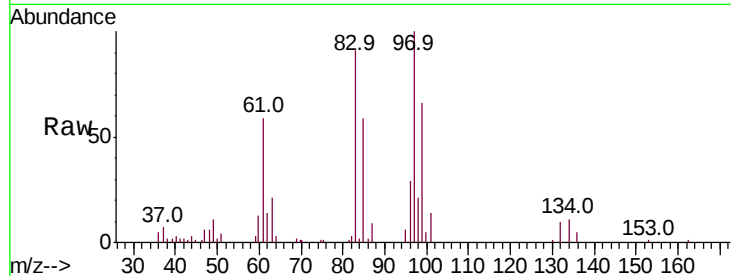
#55
1,1,2-Trichloroethane
Concen: 4.990 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VX010900.D
Acq: 16 Jul 2019 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	97	Resp	11127
Ion	Ratio	Lower	Upper
97	100		
83	90.8	69.2	103.8
85	59.0	44.6	66.8
99	66.0	51.2	76.8

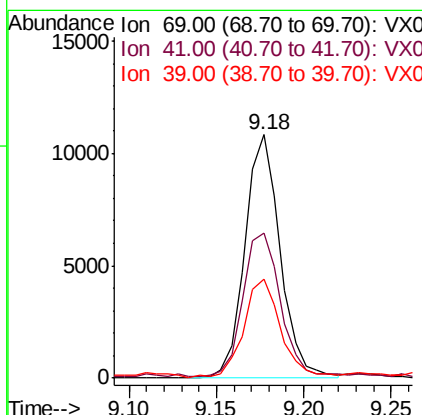
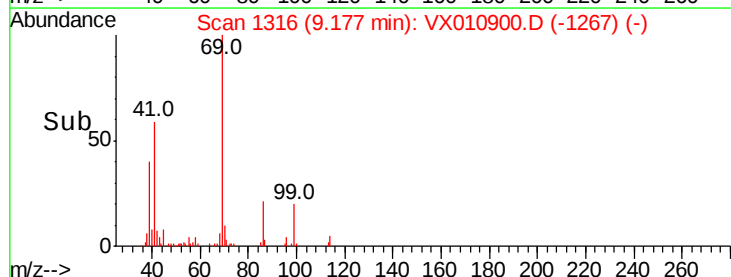
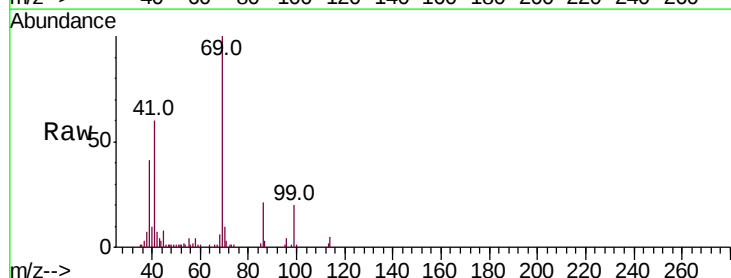
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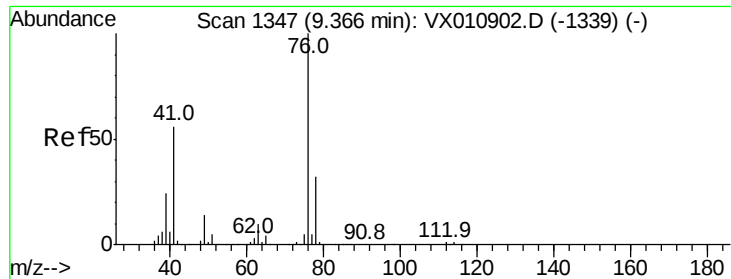
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#56
Ethyl methacrylate
Concen: 4.486 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VX010900.D
Acq: 16 Jul 2019 10:06

Tgt Ion	69	Resp	15156
Ion	Ratio	Lower	Upper
69	100		
41	64.1	49.7	74.5
39	43.5	29.6	44.4





#57

1,3-Dichloropropane

Concen: 5.199 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VX010900.D

Acq: 16 Jul 2019 10:06

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

Tot Ion: 76 Resp: 18071

Ion Ratio Lower Upper

76 100

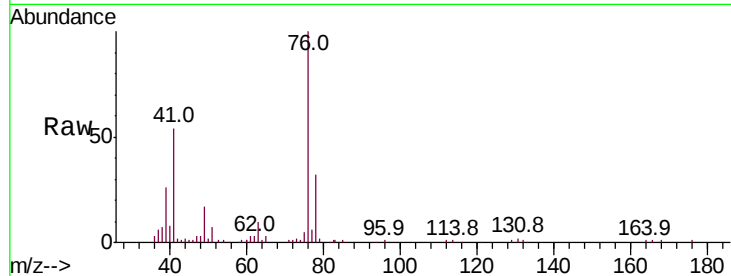
78 33.0 25.6 38.4

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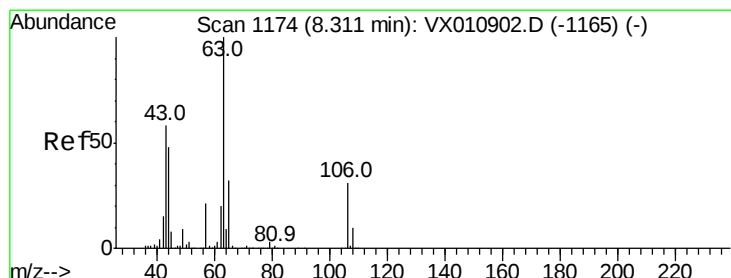
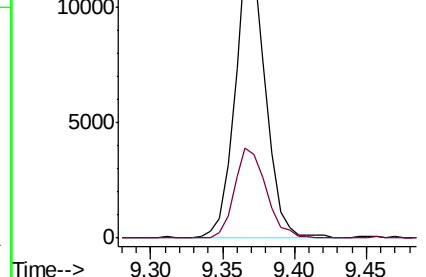
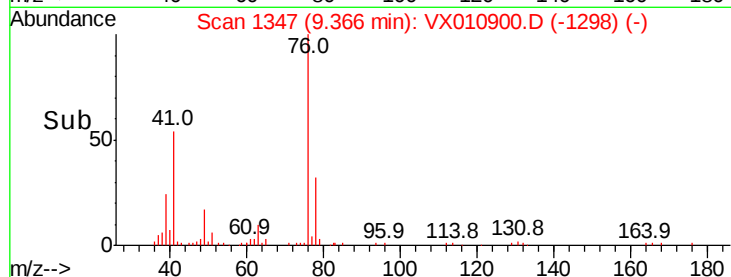
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 24.682 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX010900.D

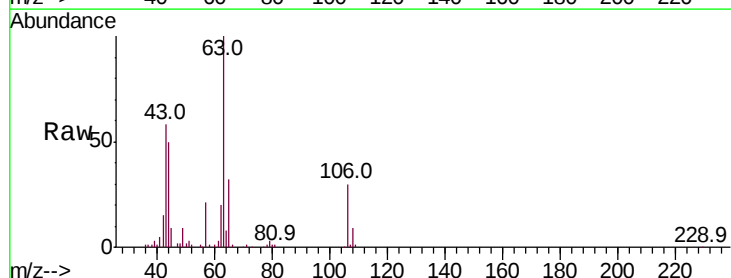
Acq: 16 Jul 2019 10:06

Tgt Ion: 63 Resp: 39465

Ion Ratio Lower Upper

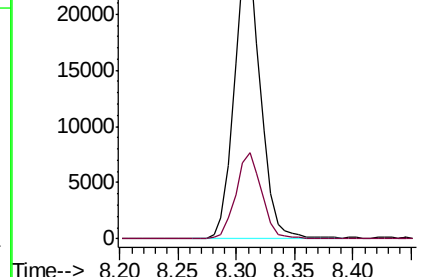
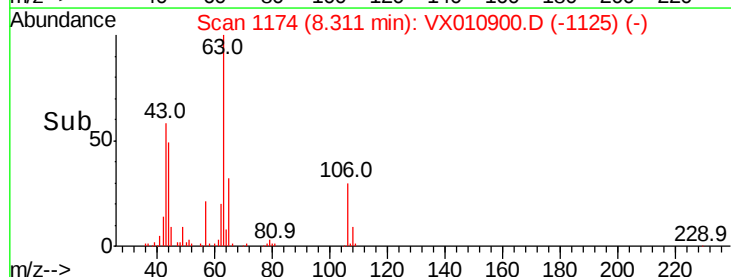
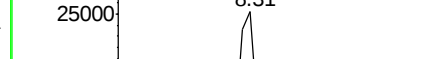
63 100

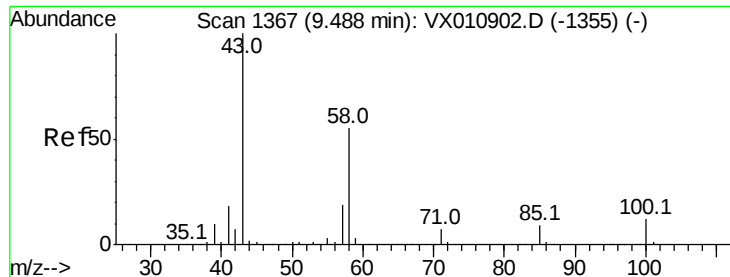
106 30.0 24.0 36.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





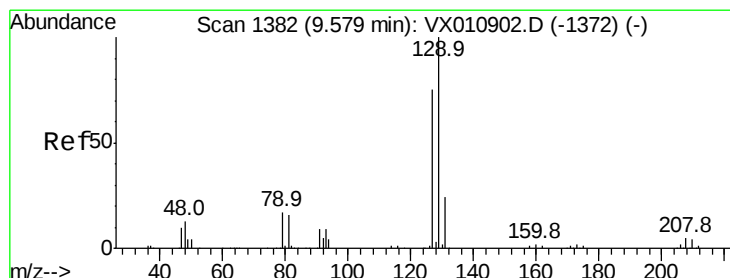
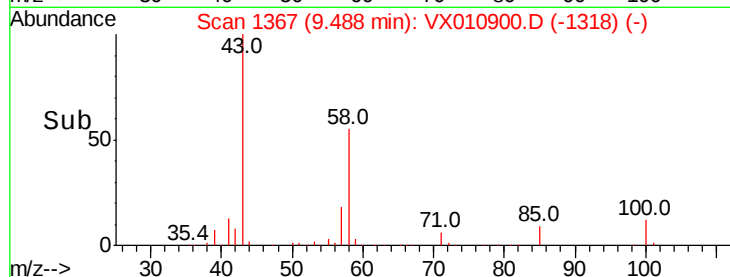
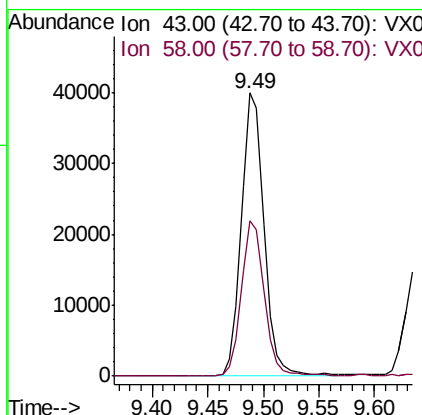
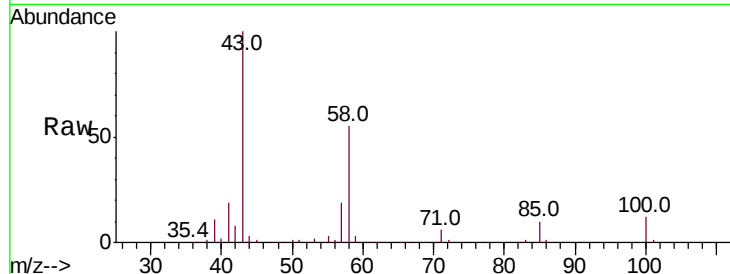
#59
2-Hexanone
Concen: 24.946 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX010900.D
Acq: 16 Jul 2019 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 56761
Ion Ratio Lower Upper
43 100
58 55.3 28.0 83.9

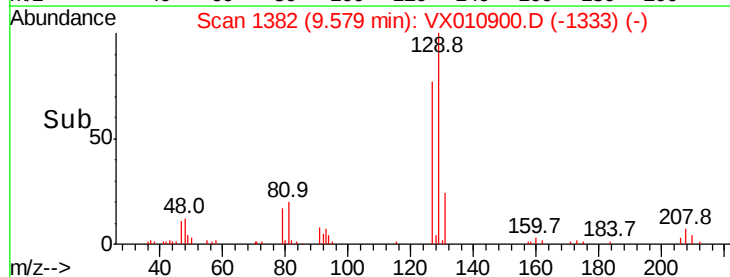
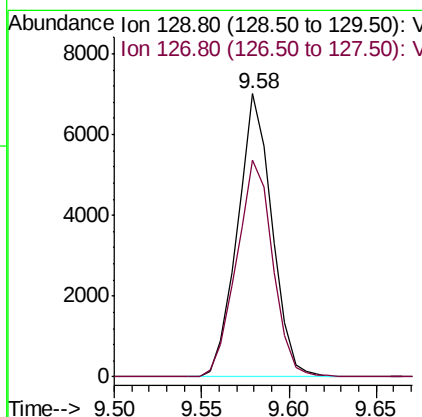
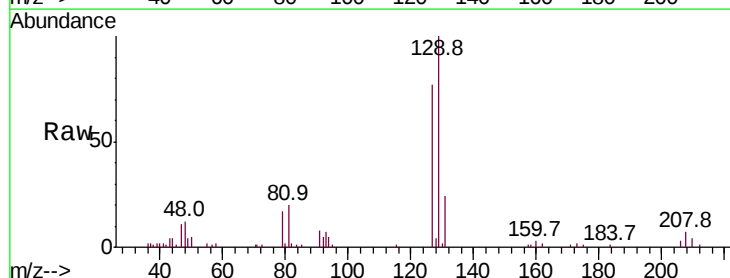
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#60
Dibromochloromethane
Concen: 3.863 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX010900.D
Acq: 16 Jul 2019 10:06

Tgt Ion: 129 Resp: 9582
Ion Ratio Lower Upper
129 100
127 80.4 38.6 115.8





#61

1,2-Dibromoethane

Concen: 4.731 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX010900.D

Acq: 16 Jul 2019 10:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:107 Resp: 11404

Ion Ratio Lower Upper

107 100

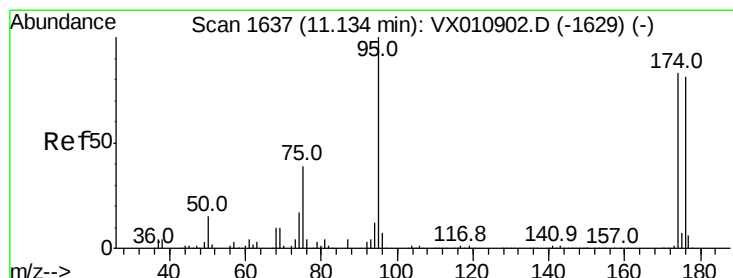
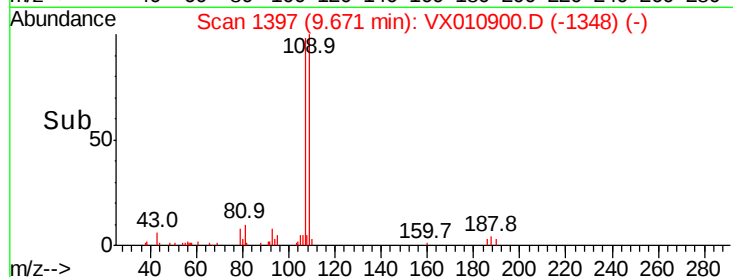
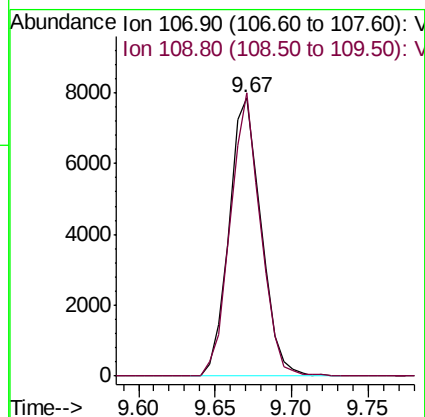
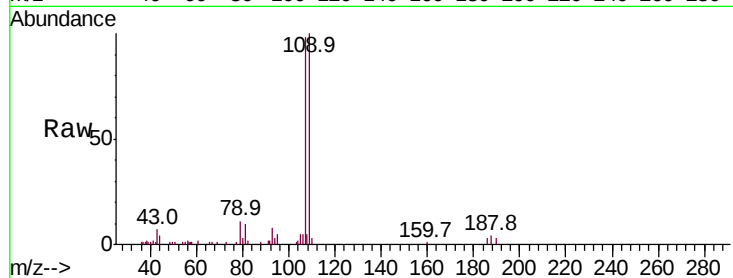
109 96.0 75.4 113.0

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#62

4-Bromofluorobenzene

Concen: 4.938 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010900.D

Acq: 16 Jul 2019 10:06

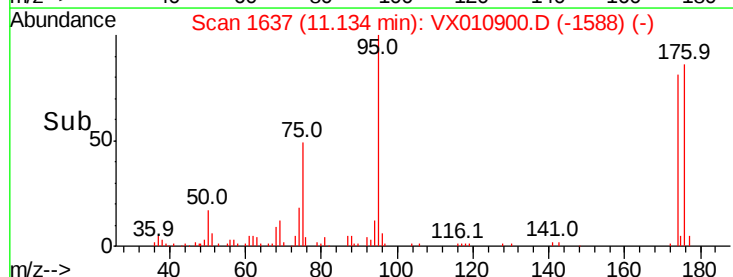
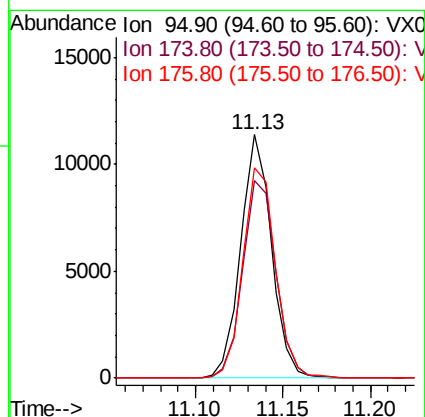
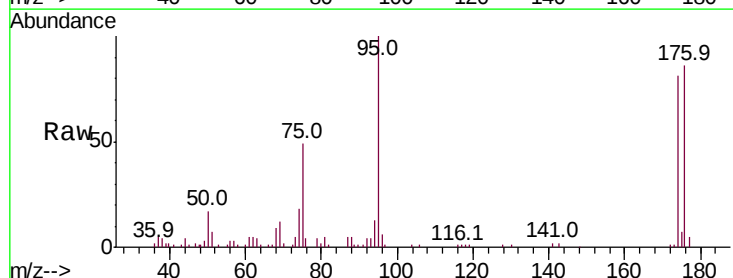
Tgt Ion: 95 Resp: 13954

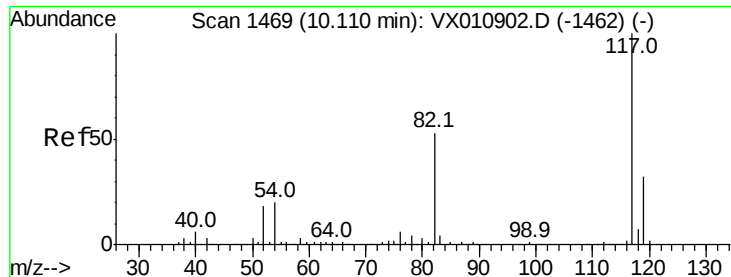
Ion Ratio Lower Upper

95 100

174 87.9 0.0 180.6

176 91.2 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX010900.D

Acq: 16 Jul 2019 10:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:117 Resp: 302002

Ion Ratio Lower Upper

117 100

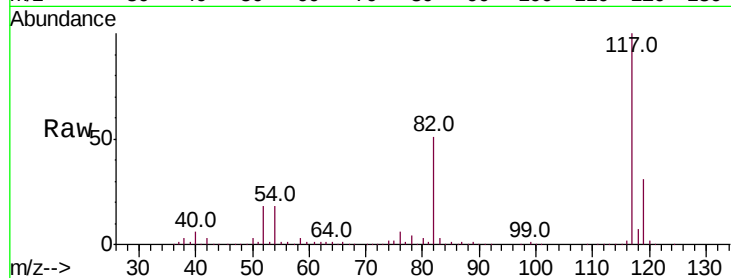
82 51.3 42.6 63.8

119 31.2 25.9 38.9

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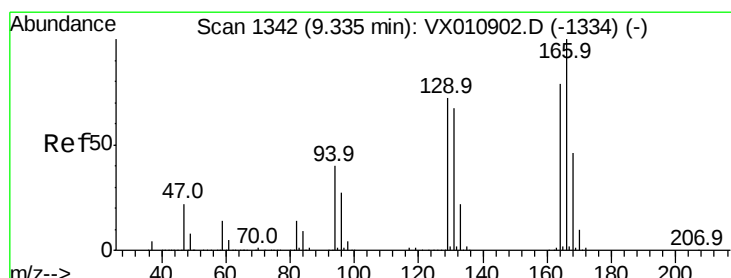
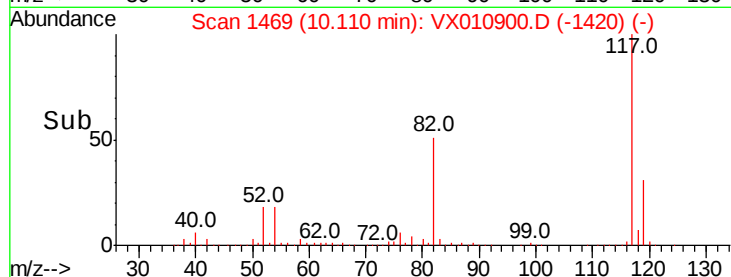
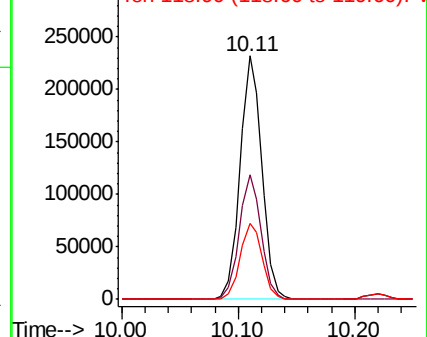


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 5.018 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX010900.D

Acq: 16 Jul 2019 10:06

Tgt Ion:164 Resp: 12206

Ion Ratio Lower Upper

164 100

166 129.0 100.8 151.2

129 86.2 72.6 109.0

131 87.6 67.7 101.5

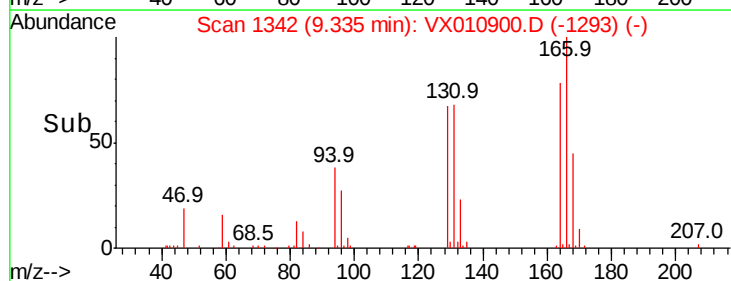
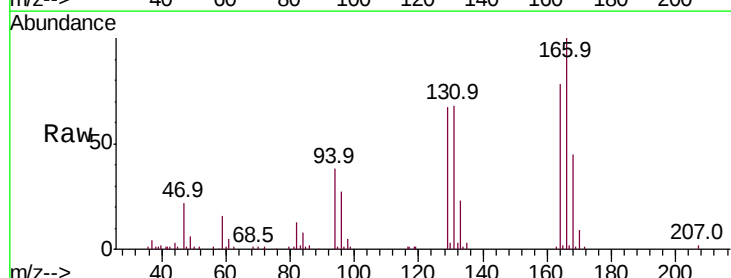
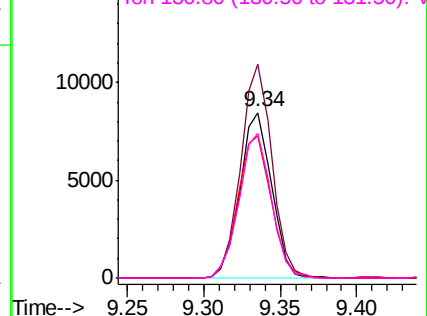
Abundance

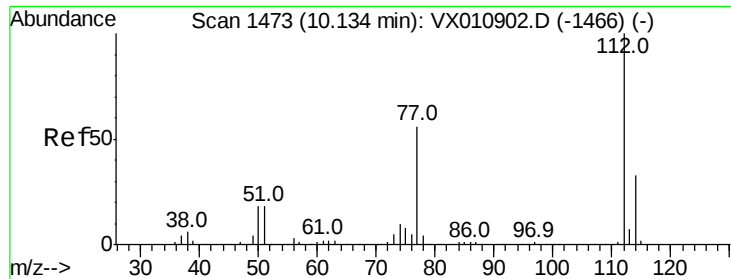
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





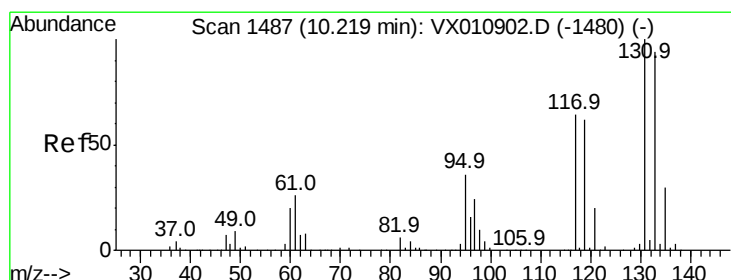
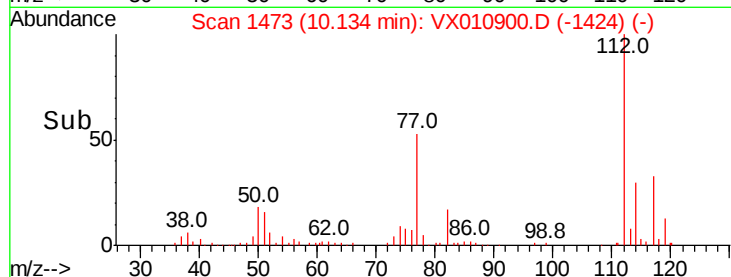
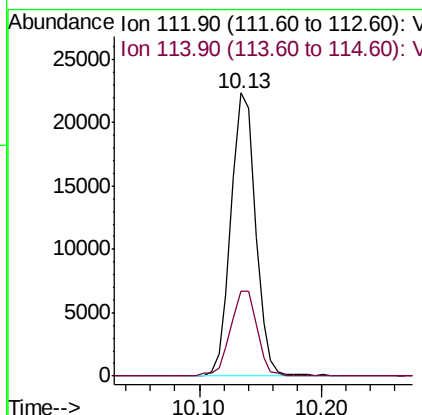
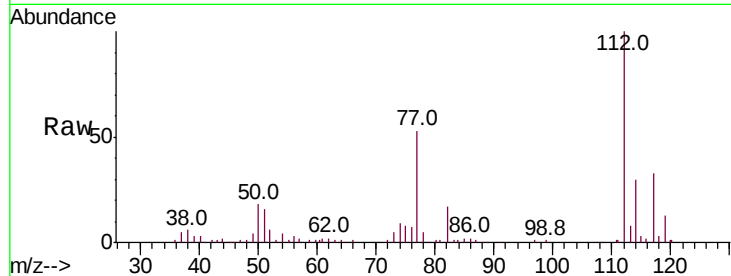
#65
Chlorobenzene
Concen: 5.099 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX010900.D
Acq: 16 Jul 2019 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:112 Resp: 31199
Ion Ratio Lower Upper
112 100
114 30.0 26.2 39.4

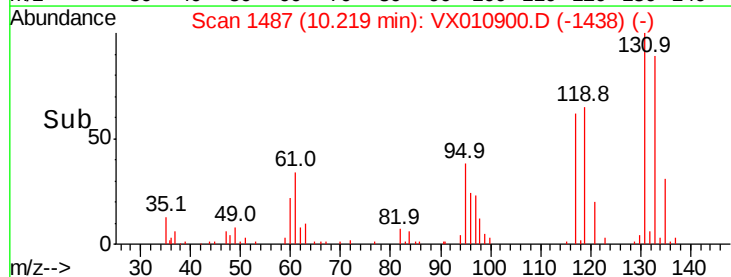
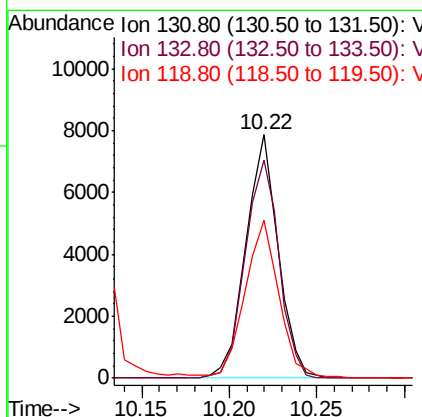
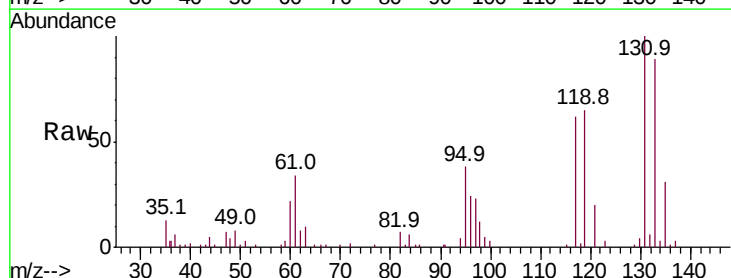
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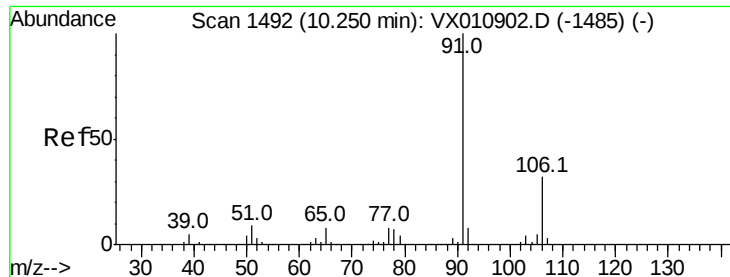
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#66
1,1,1,2-Tetrachloroethane
Concen: 4.540 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX010900.D
Acq: 16 Jul 2019 10:06

Tgt Ion:131 Resp: 10113
Ion Ratio Lower Upper
131 100
133 93.5 47.1 141.4
119 67.9 31.9 95.7





#67

Ethyl Benzene

Concen: 5.012 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX010900.D

Acq: 16 Jul 2019 10:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 52065

Ion Ratio Lower Upper

91 100

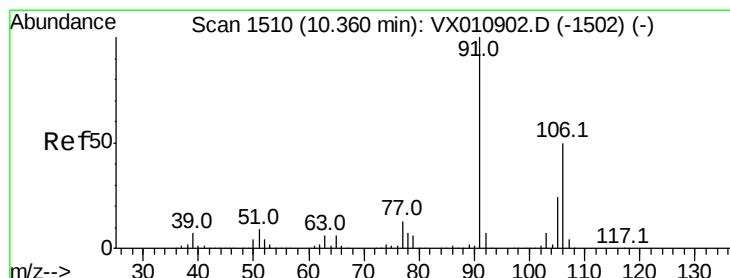
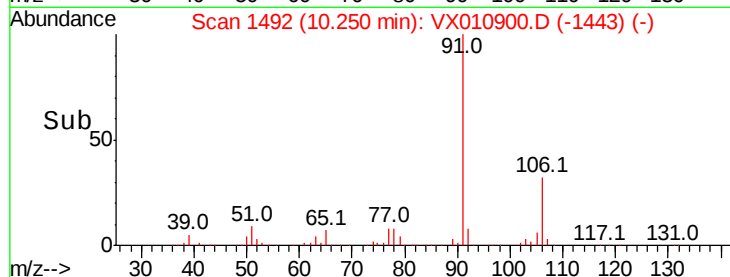
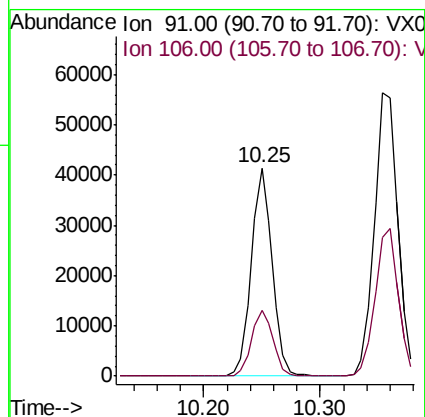
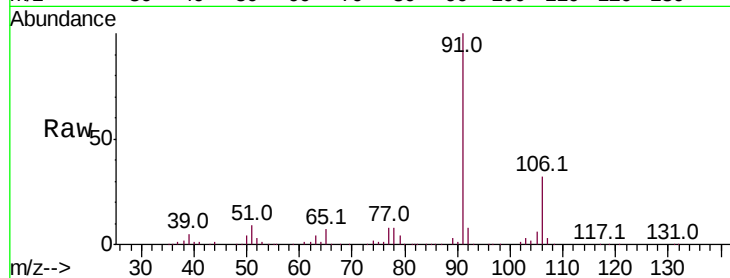
106 31.5 25.4 38.2

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#68

m/p-Xylenes

Concen: 10.216 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX010900.D

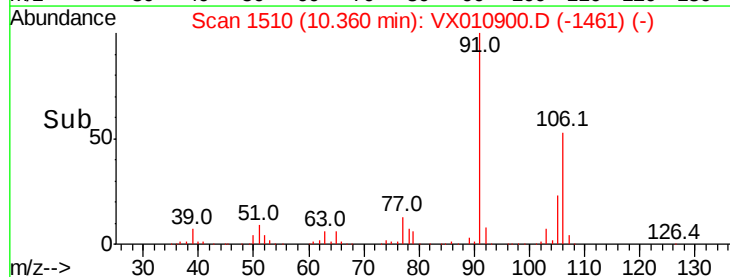
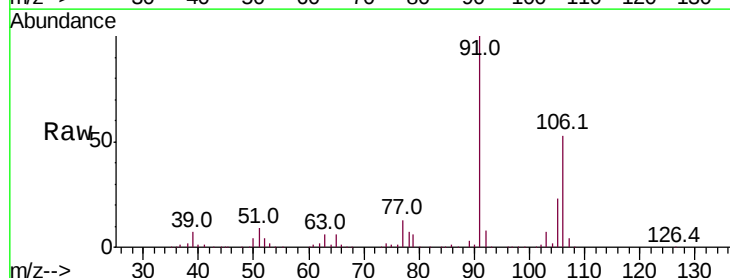
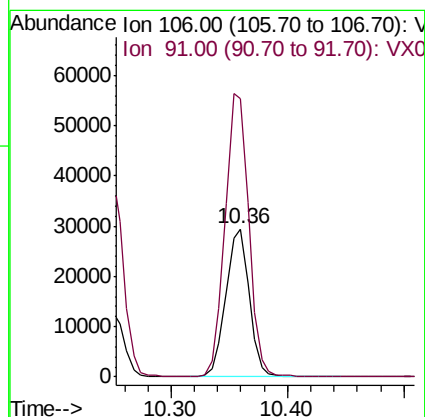
Acq: 16 Jul 2019 10:06

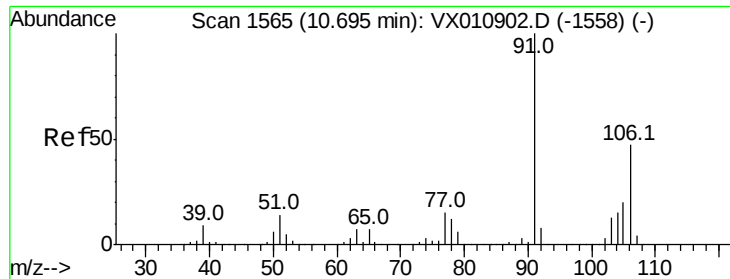
Tgt Ion: 106 Resp: 41020

Ion Ratio Lower Upper

106 100

91 193.9 160.1 240.1





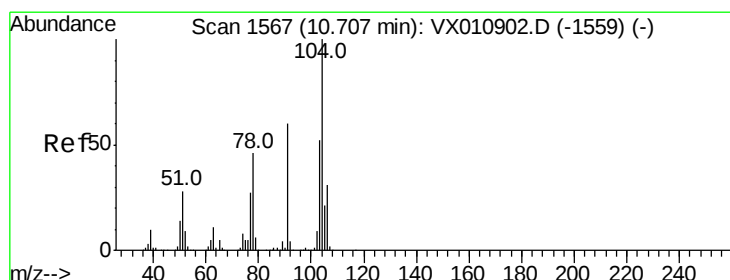
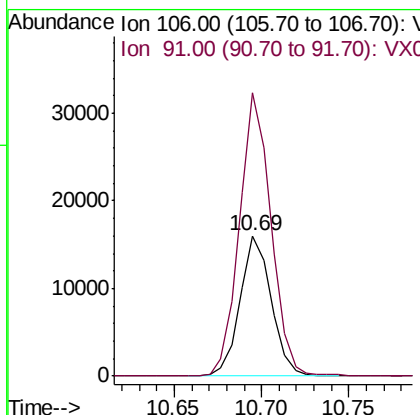
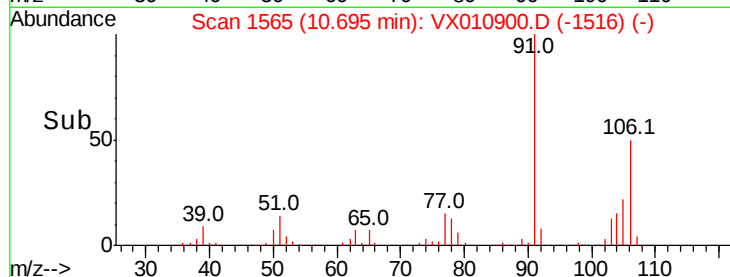
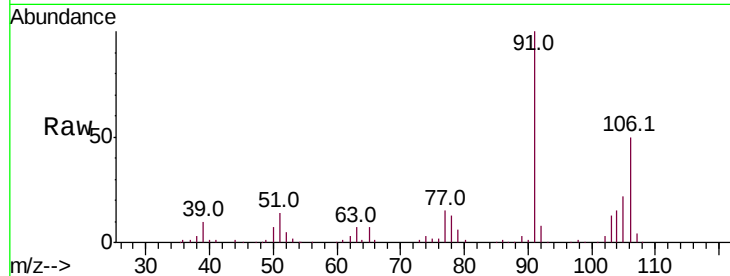
#69
o-Xylene
Concen: 5.020 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010900.D
Acq: 16 Jul 2019 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 19844
Ion Ratio Lower Upper
106 100
91 204.9 105.1 315.3

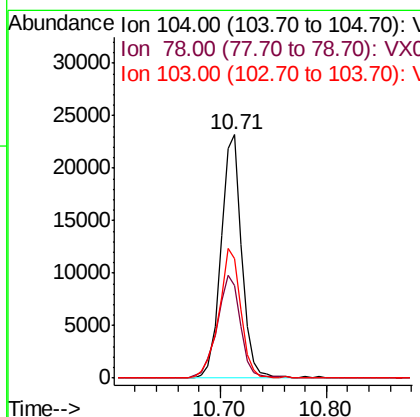
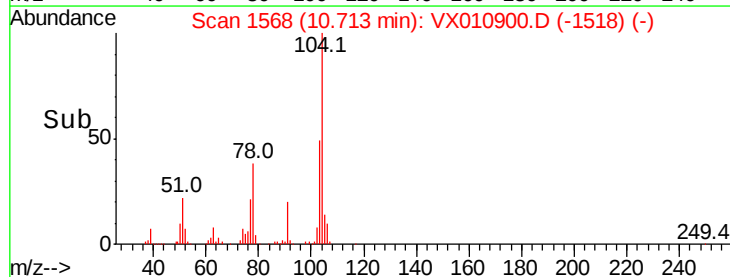
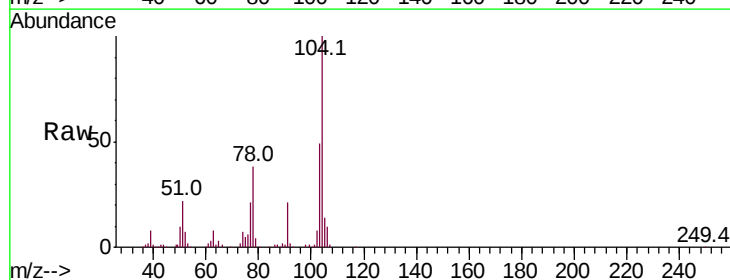
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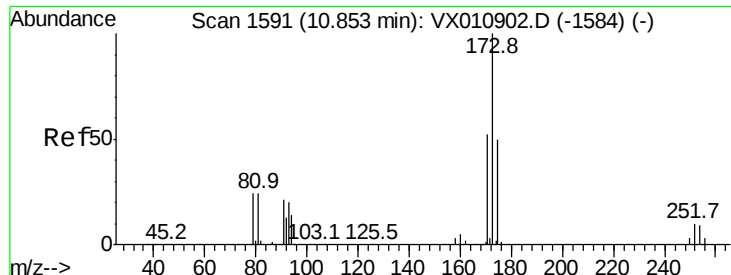
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#70
Styrene
Concen: 4.757 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VX010900.D
Acq: 16 Jul 2019 10:06

Tgt Ion:104 Resp: 31529
Ion Ratio Lower Upper
104 100
78 47.3 38.8 58.2
103 55.8 44.2 66.4





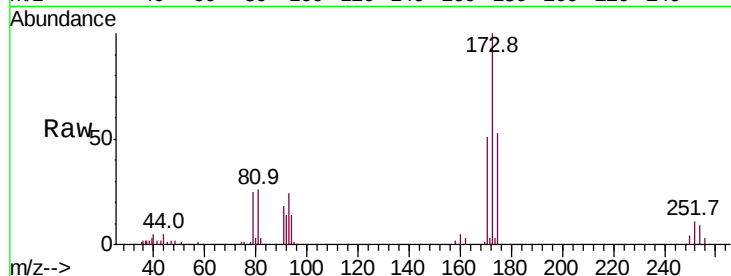
#71
Bromoform
Concen: 3.555 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX010900.D
Acq: 16 Jul 2019 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

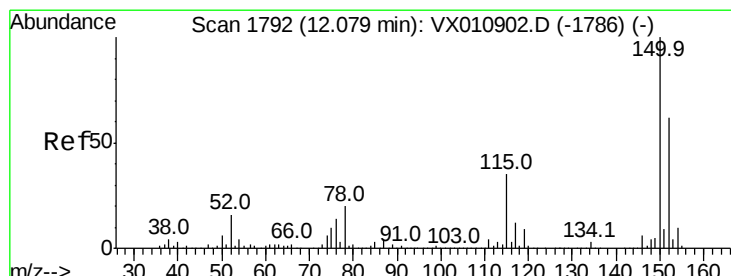
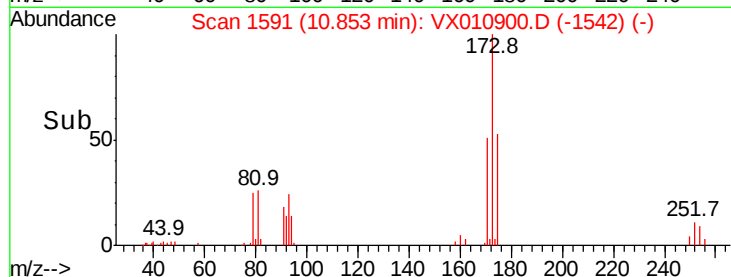
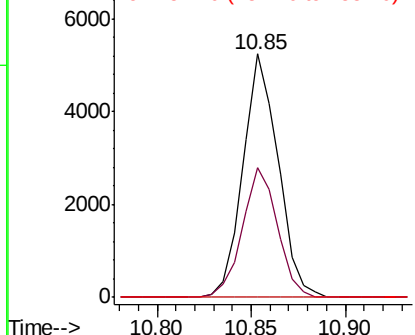
Tot Ion	Ratio	Lower	Upper
173	100		
175	53.0	24.6	73.6
254	0.0	0.1	0.1#

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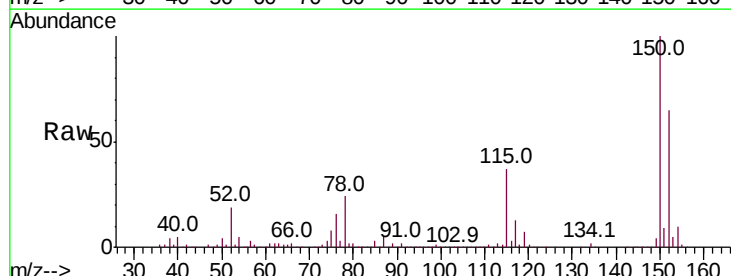


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

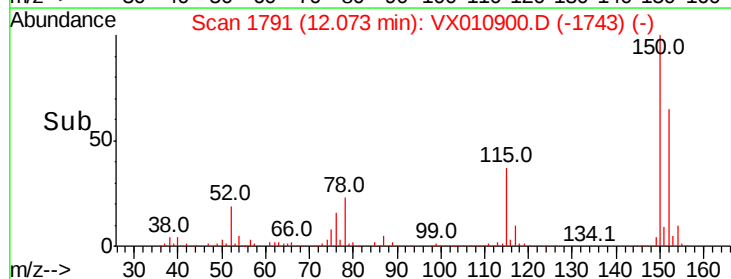
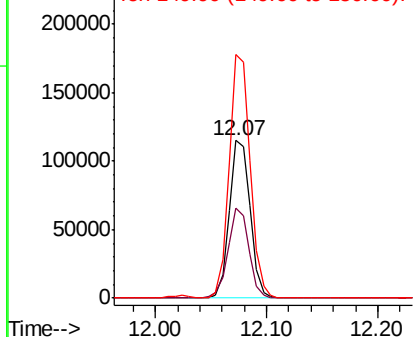


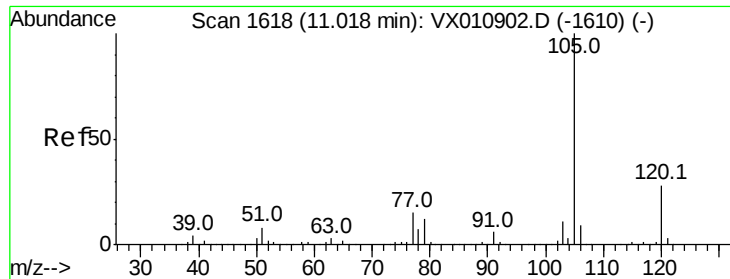
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1791
Delta R.T. -0.01 min
Lab File: VX010900.D
Acq: 16 Jul 2019 10:06

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.2	39.7	119.1
150	155.6	0.0	345.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.313 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010900.D

Acq: 16 Jul 2019 10:06

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 53147

Ion Ratio Lower Upper

105 100

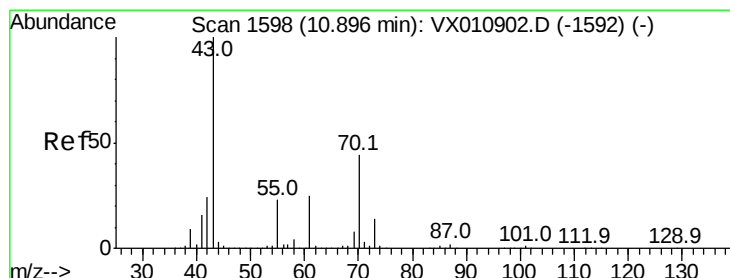
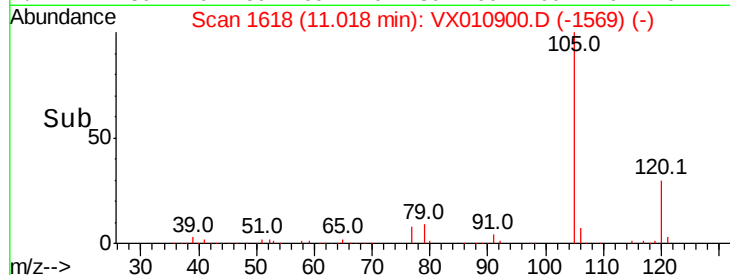
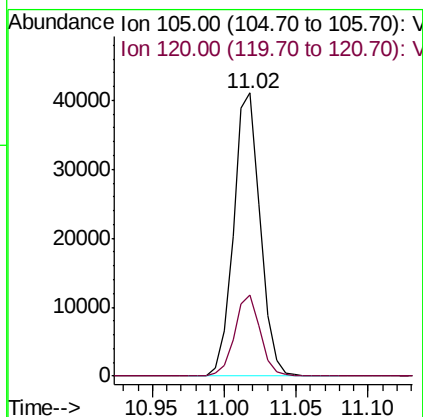
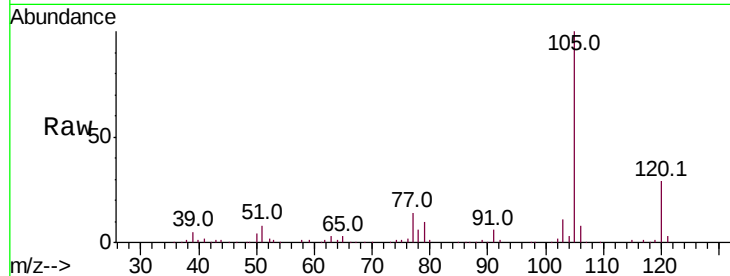
120 27.4 13.7 41.1

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#74

N-ethyl acetate

Concen: 4.831 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX010900.D

Acq: 16 Jul 2019 10:06

Tgt Ion: 43 Resp: 18297

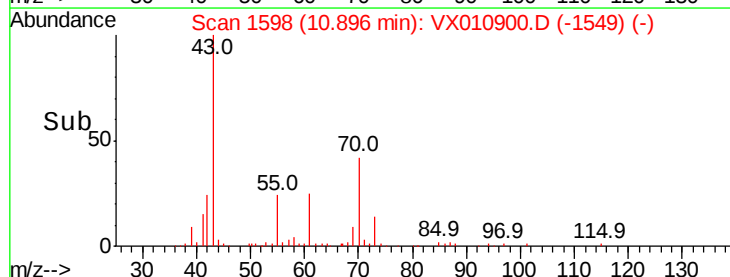
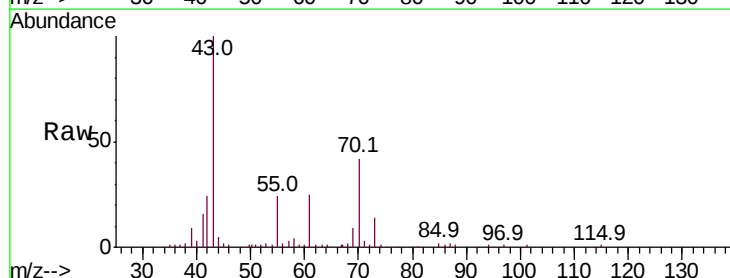
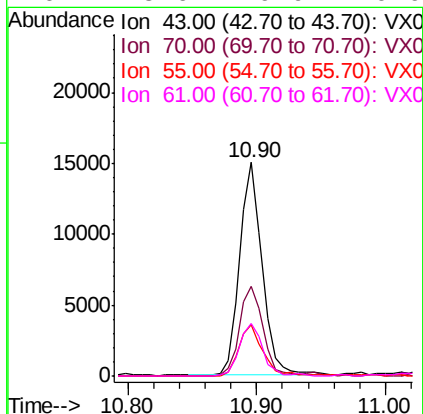
Ion Ratio Lower Upper

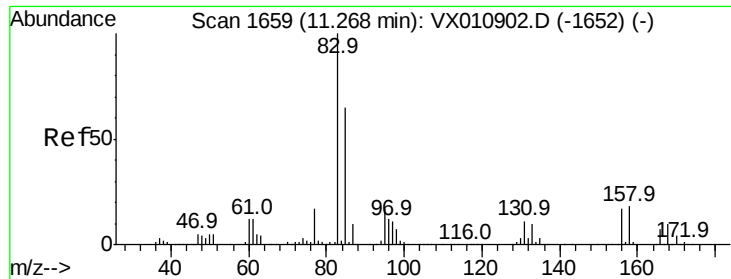
43 100

70 43.4 34.7 52.1

55 26.2 19.1 28.7

61 25.6 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 5.171 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX010900.D

Acq: 16 Jul 2019 10:06

Instrument :

MSVOA_X

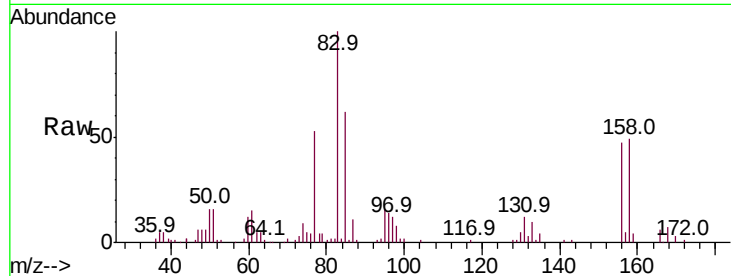
ClientSampleId :

VSTDIC005

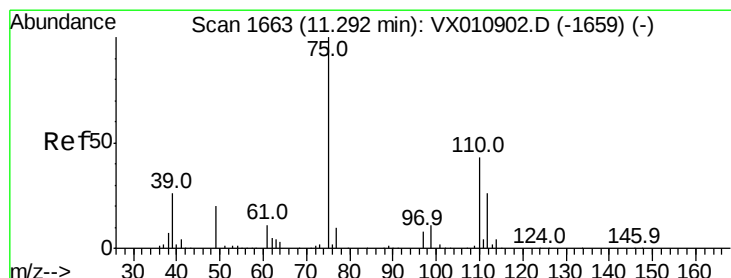
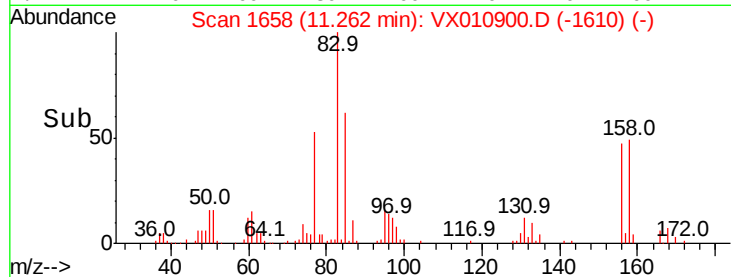
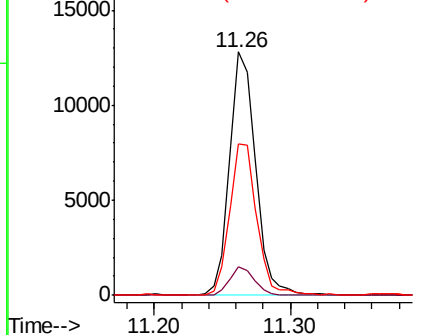
Tot Ion:	83	Resp:	17111
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.5	16.4
85	65.3	32.3	96.9

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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 5.076 ug/l m

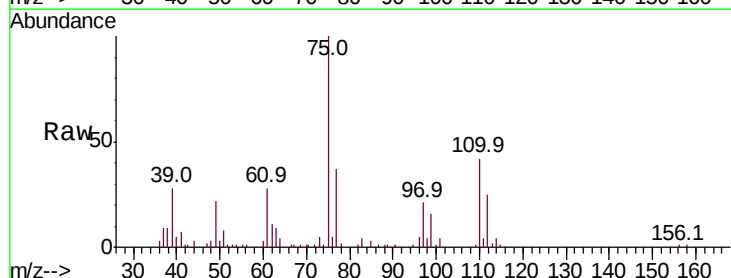
RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

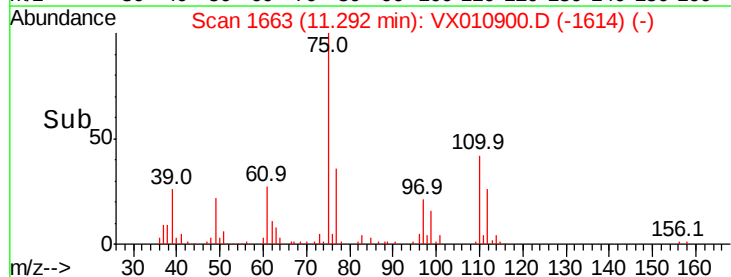
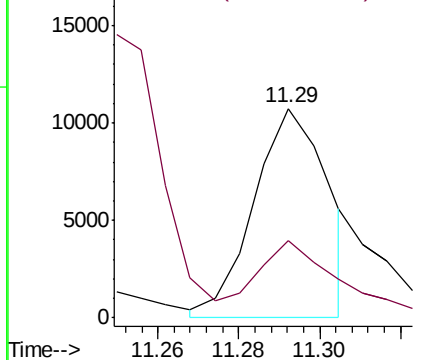
Lab File: VX010900.D

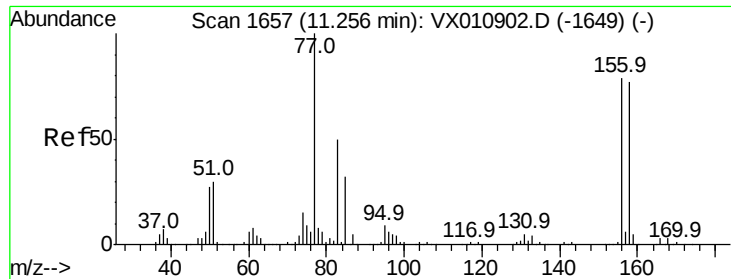
Acq: 16 Jul 2019 10:06

Tgt Ion:	75	Resp:	13652
Ion Ratio	Lower	Upper	
75	100		
77	42.5	21.3	64.0



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 5.014 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX010900.D

Acq: 16 Jul 2019 10:06

Instrument :

MSVOA_X

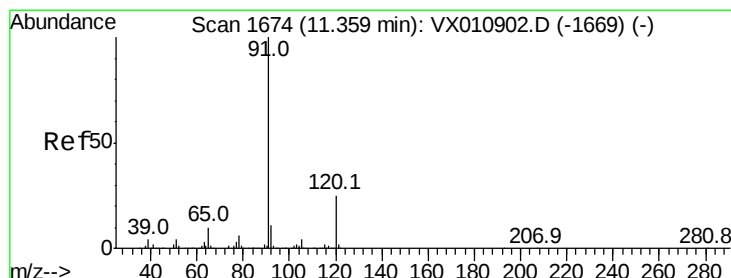
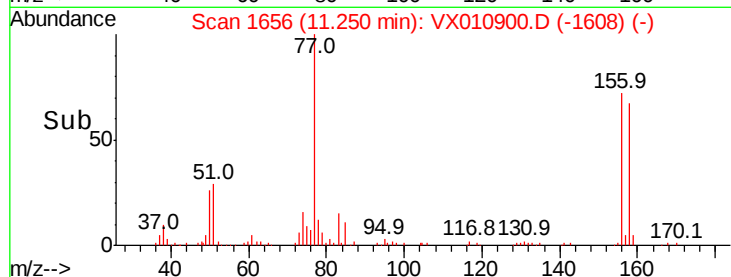
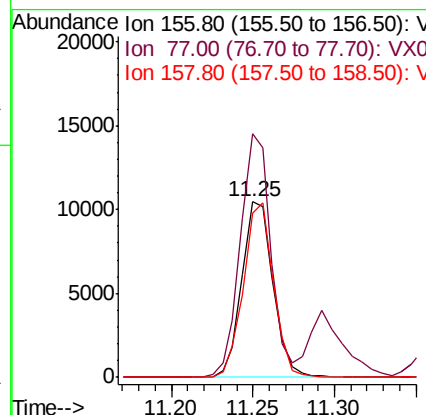
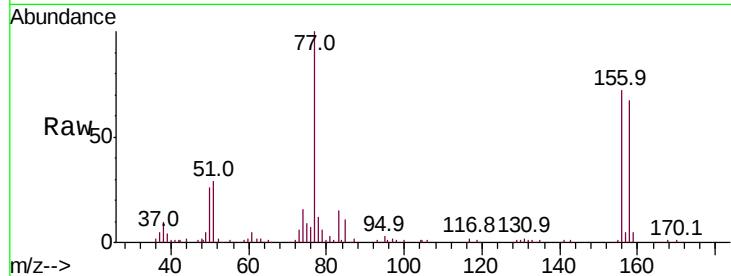
ClientSampleId :

VSTDIC005

Tot Ion:	156	Resp:	13977
Ion	Ratio	Lower	Upper
156	100		
77	135.4	68.7	206.1
158	96.0	47.9	143.7

Manual Integrations
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7/17/2019 10:44:57 AM



#78

n-propylbenzene

Concen: 5.023 ug/l

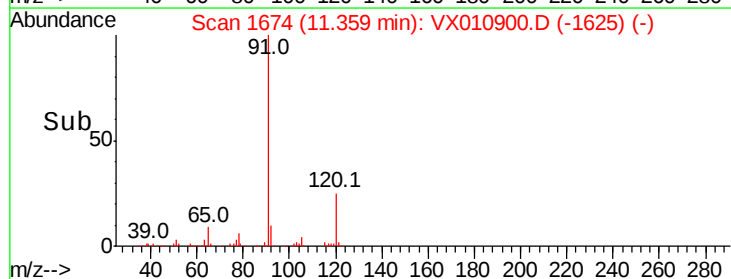
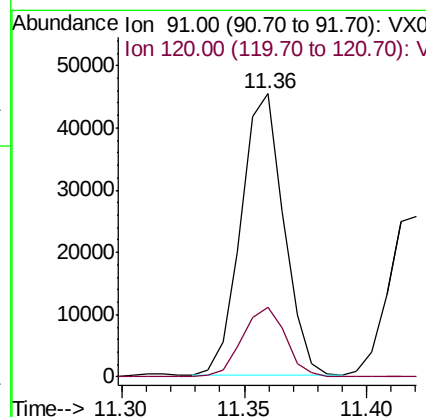
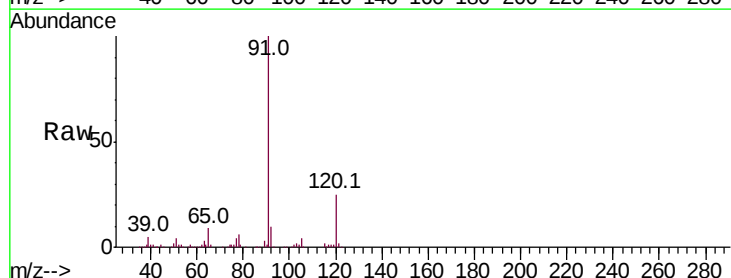
RT: 11.36 min Scan# 1674

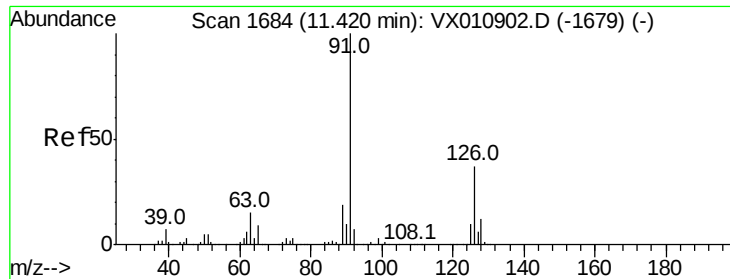
Delta R.T. 0.00 min

Lab File: VX010900.D

Acq: 16 Jul 2019 10:06

Tgt Ion:	91	Resp:	55279
Ion	Ratio	Lower	Upper
91	100		
120	25.1	12.3	36.8





#79

2-Chlorotoluene

Concen: 5.091 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX010900.D

Acq: 16 Jul 2019 10:06

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

Tot Ion: 91 Resp: 33409

Ion Ratio Lower Upper

91 100

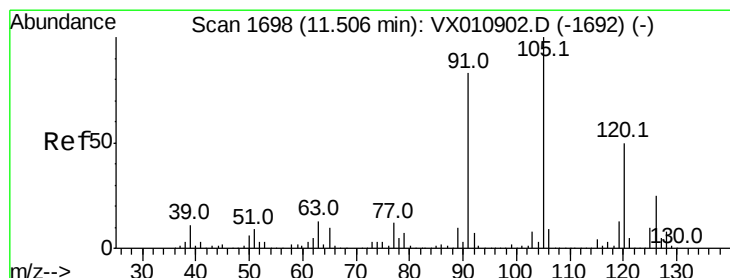
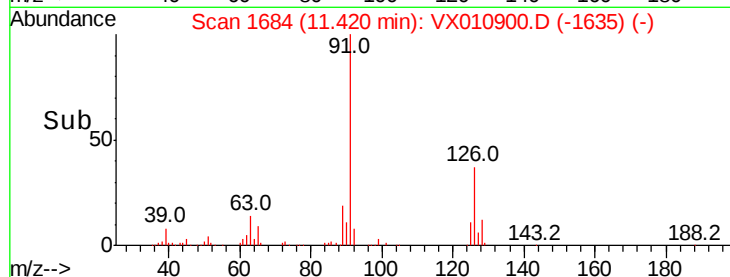
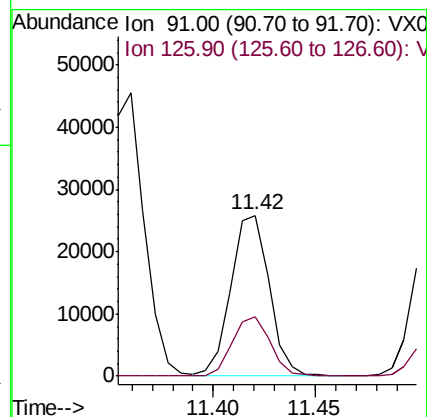
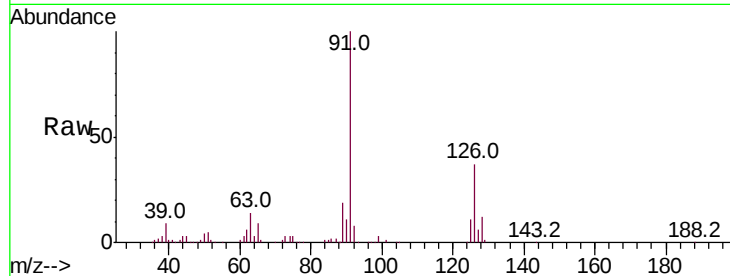
126 36.8 18.0 54.0

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 5.041 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010900.D

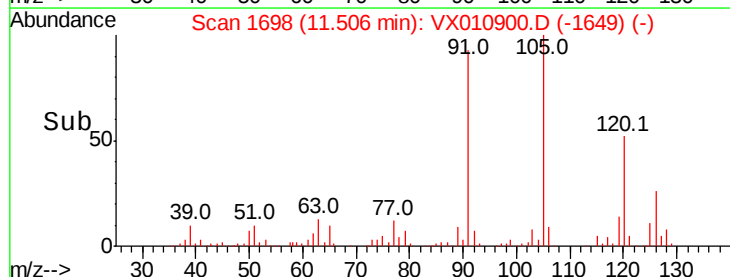
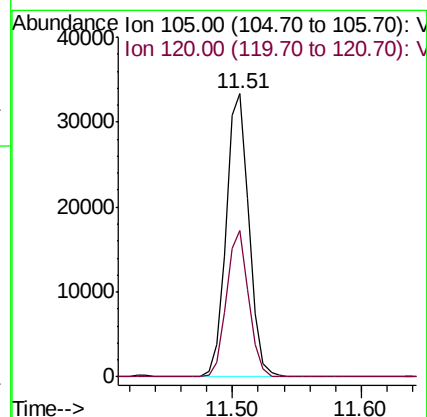
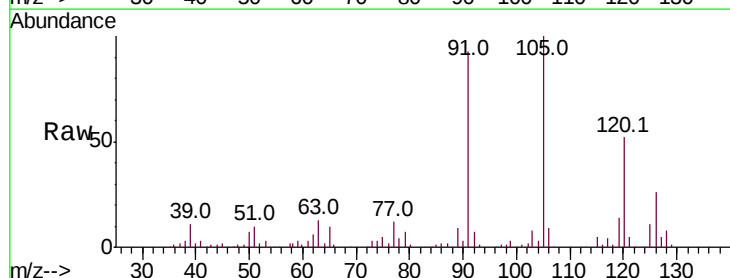
Acq: 16 Jul 2019 10:06

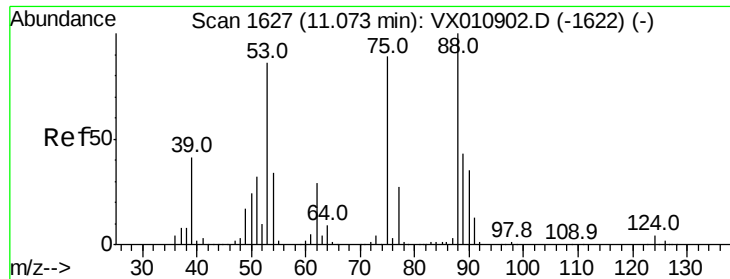
Tgt Ion: 105 Resp: 41689

Ion Ratio Lower Upper

105 100

120 50.2 24.6 73.8





#81

trans-1,4-Dichloro-2-butene

Concen: 3.379 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX010900.D

Acq: 16 Jul 2019 10:06

Instrument :

MSVOA_X

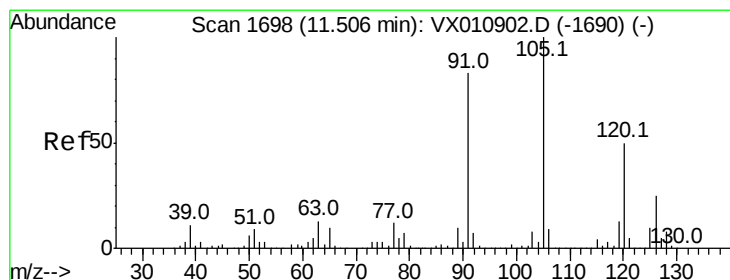
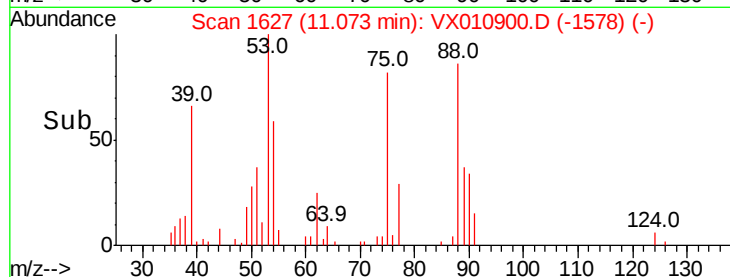
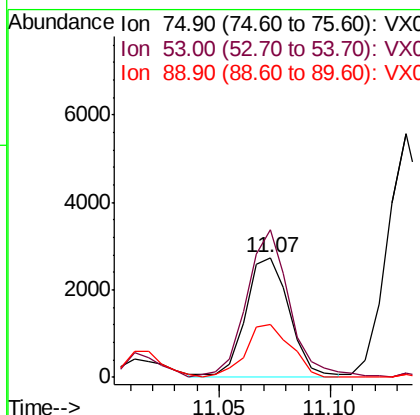
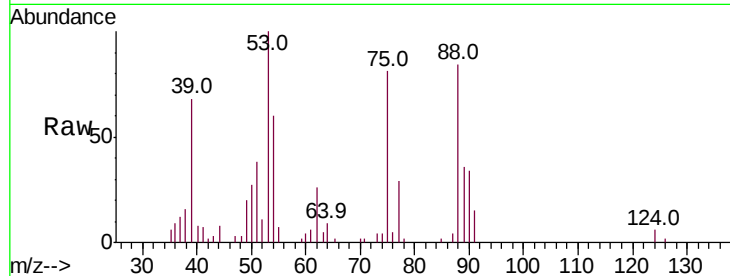
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	3775
Ion	Ratio	Lower	Upper
75	100		
53	121.2	76.7	115.1#
89	45.1	38.5	57.7

Manual Integrations
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#82

4-Chlorotoluene

Concen: 5.351 ug/l

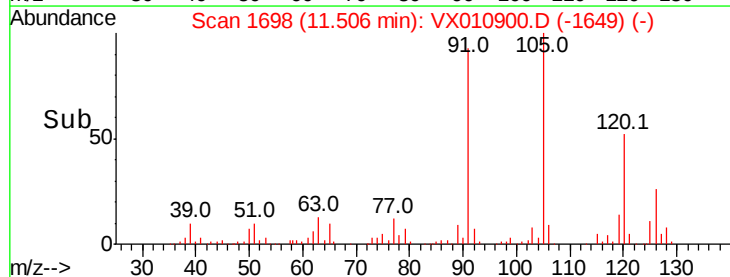
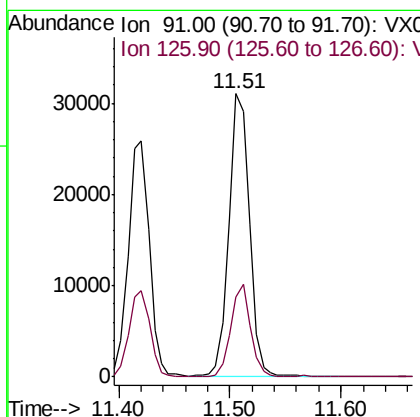
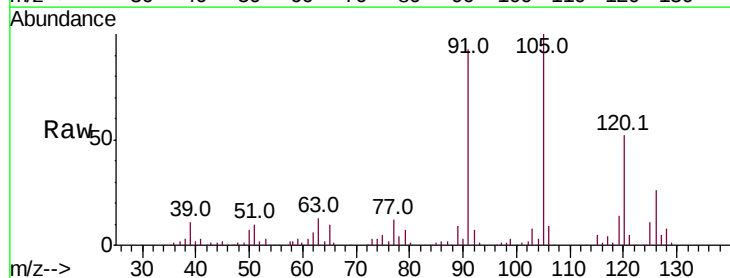
RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010900.D

Acq: 16 Jul 2019 10:06

Tgt Ion:	91	Resp:	40004
Ion	Ratio	Lower	Upper
91	100		
126	31.1	15.9	47.7





#83

tert-Butylbenzene

Concen: 5.118 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX010900.D

Acq: 16 Jul 2019 10:06

Instrument :

MSVOA_X

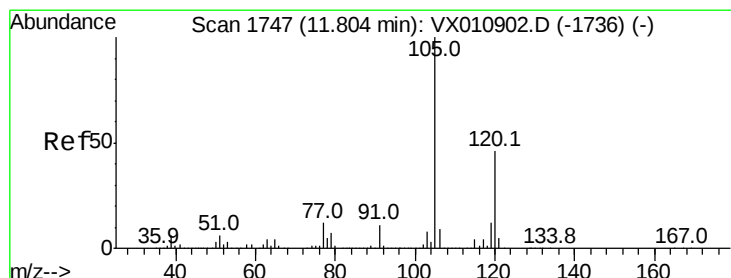
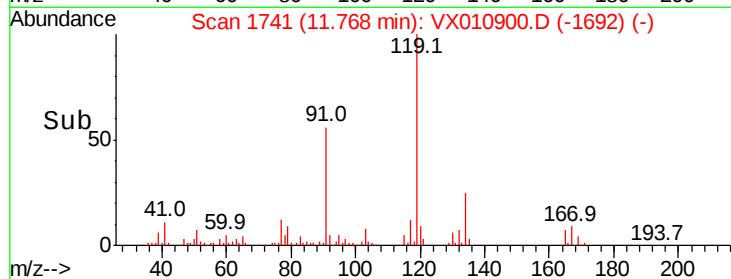
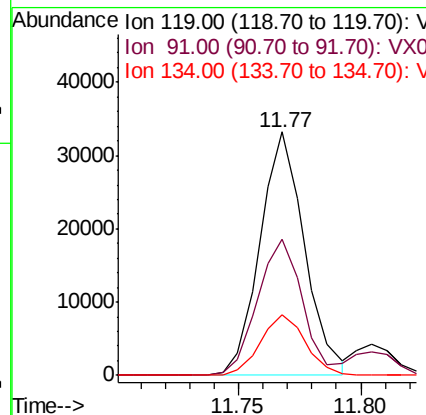
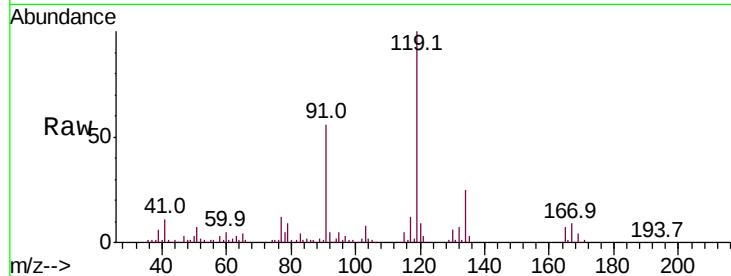
ClientSampleId :

VSTDIC005

Tot Ion:	119	Resp:	42369
Ion Ratio	Lower	Upper	
119	100		
91	57.0	28.6	85.8
134	25.2	11.6	34.8

Manual Integrations
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MMDadoda
7/17/2019 10:44:57 AM



#84

1,2,4-Trimethylbenzene

Concen: 5.144 ug/l

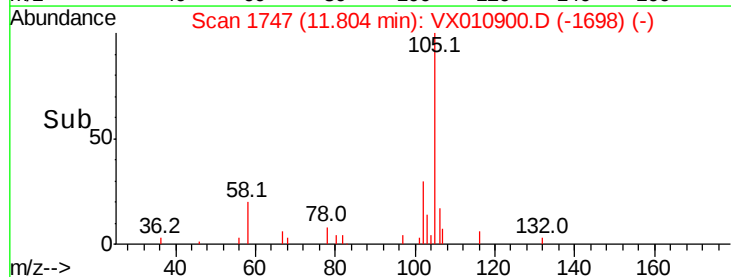
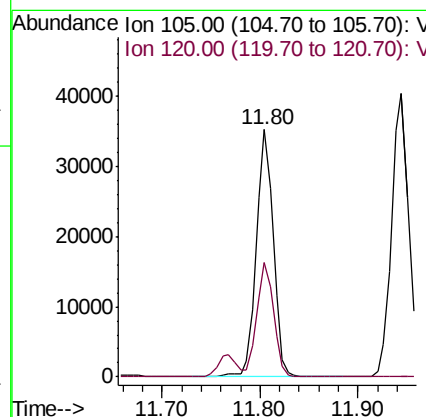
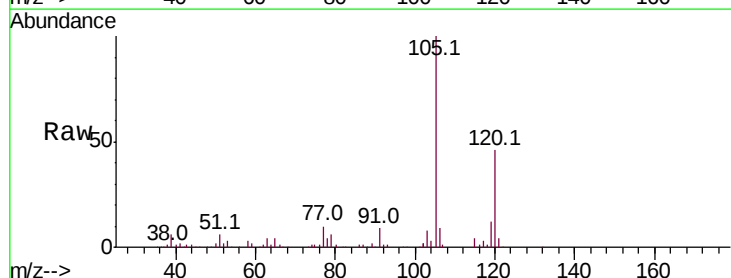
RT: 11.80 min Scan# 1747

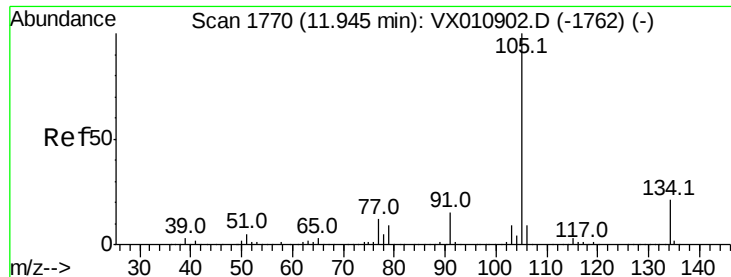
Delta R.T. 0.00 min

Lab File: VX010900.D

Acq: 16 Jul 2019 10:06

Tgt Ion:	105	Resp:	42675
Ion Ratio	Lower	Upper	
105	100		
120	46.1	22.9	68.5





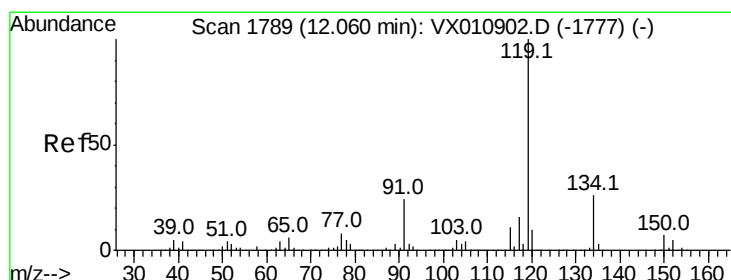
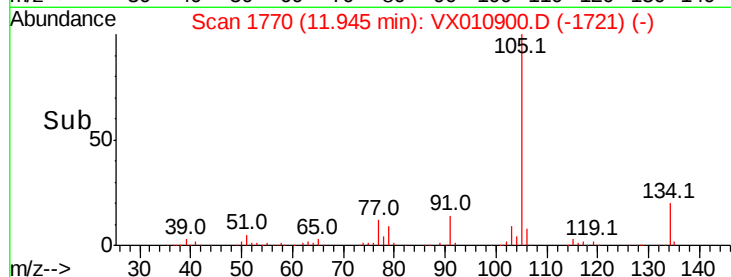
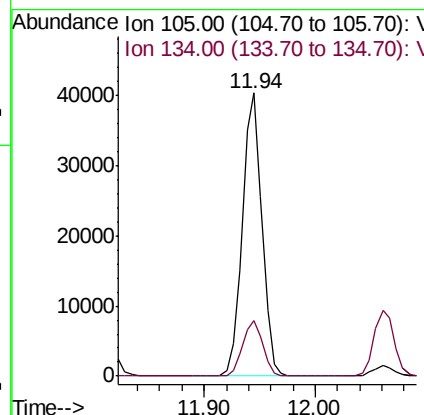
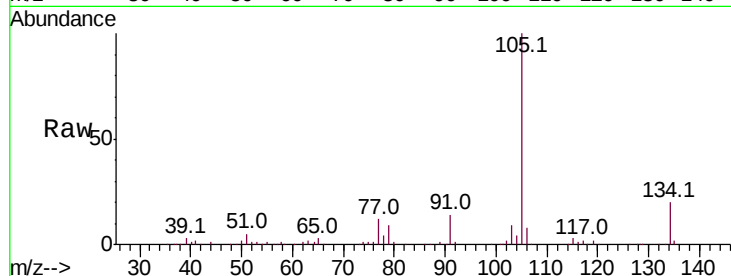
#85
 sec-Butylbenzene
 Concen: 5.026 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX010900.D
 Acq: 16 Jul 2019 10:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.4	31.4

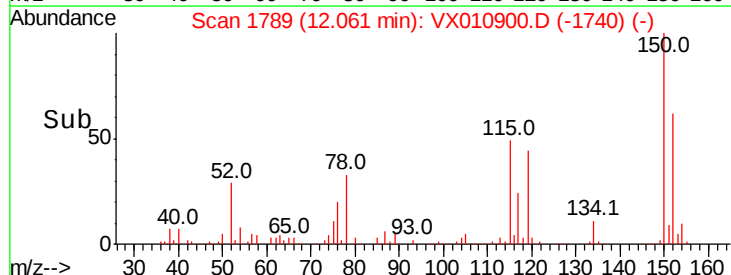
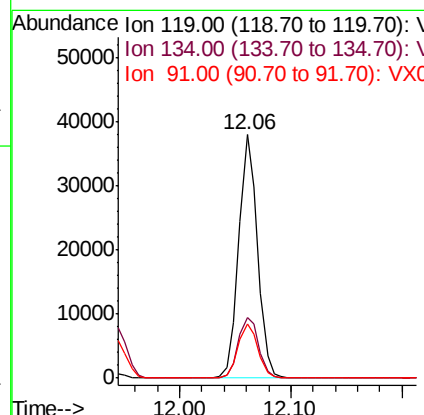
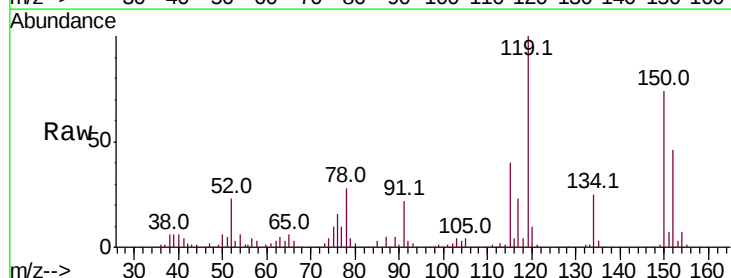
Manual Integrations
 APPROVED

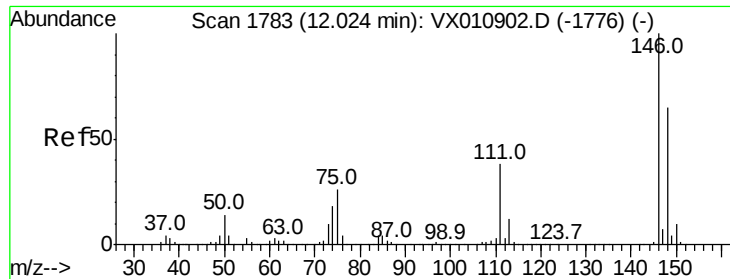
MMDadoda
 7/17/2019 10:44:57 AM



#86
 p-Isopropyltoluene
 Concen: 4.947 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX010900.D
 Acq: 16 Jul 2019 10:06

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.0	13.4	40.1
91	23.7	11.8	35.4





#87

1,3-Dichlorobenzene

Concen: 5.008 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX010900.D

Acq: 16 Jul 2019 10:06

Instrument :

MSVOA_X

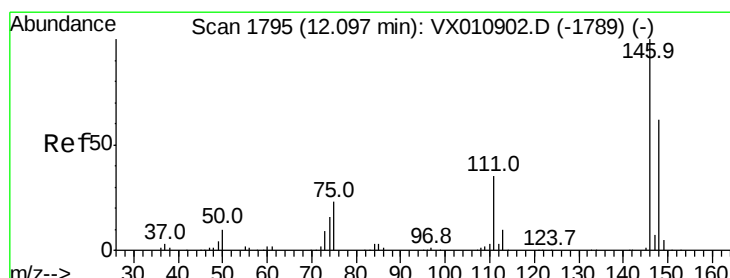
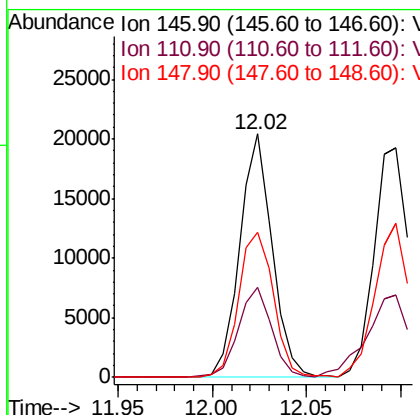
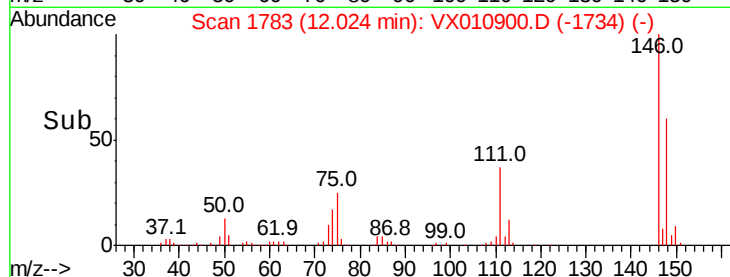
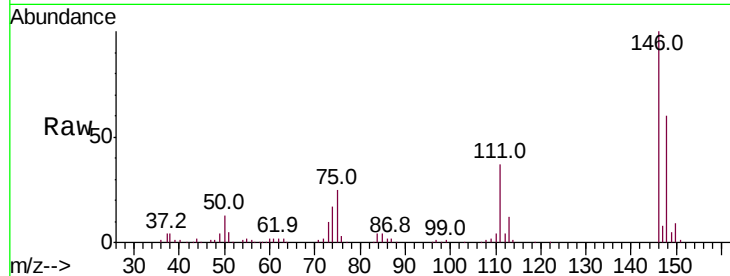
ClientSampled :

VSTDIC005

Tot Ion:	146	Resp:	24412
Ion Ratio	Lower	Upper	
146	100		
111	38.1	18.9	56.9
148	63.7	32.2	96.6

Manual Integrations
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MMDadoda
7/17/2019 10:44:57 AM



#88

1,4-Dichlorobenzene

Concen: 5.001 ug/l

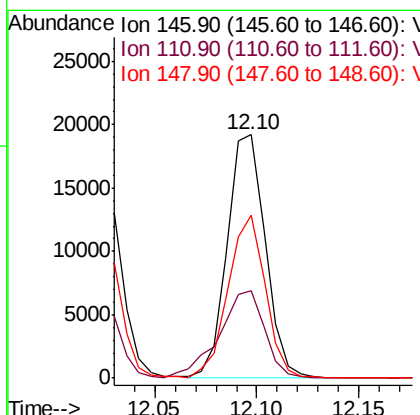
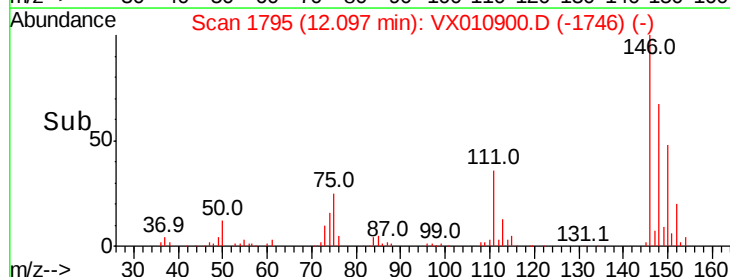
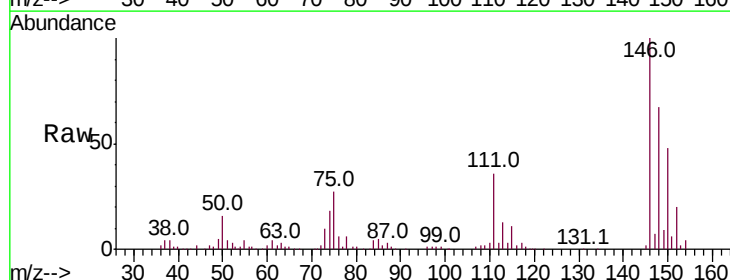
RT: 12.10 min Scan# 1795

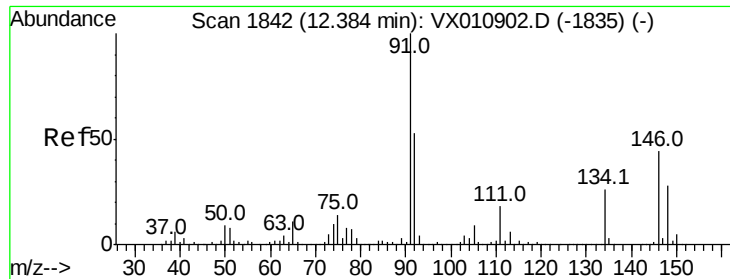
Delta R.T. 0.00 min

Lab File: VX010900.D

Acq: 16 Jul 2019 10:06

Tgt Ion:	146	Resp:	24847
Ion Ratio	Lower	Upper	
146	100		
111	42.9	18.6	55.8
148	65.5	31.6	94.7





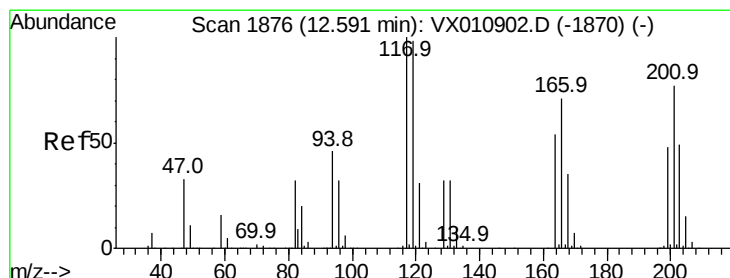
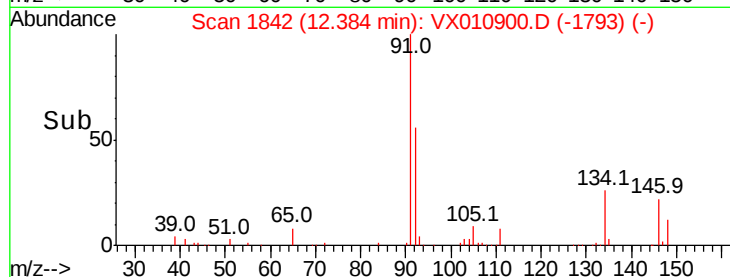
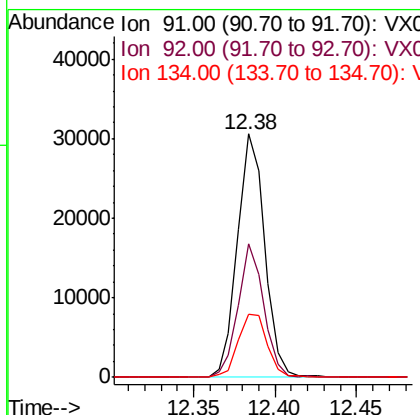
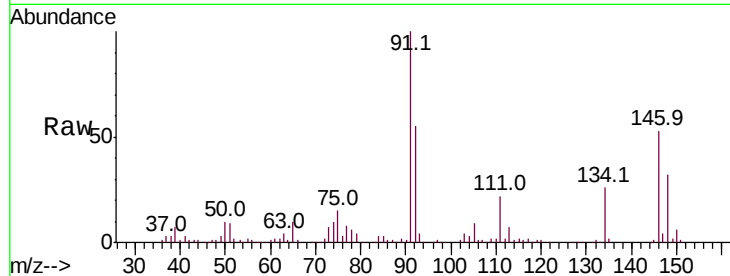
#89
n-Butylbenzene
Concen: 4.697 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010900.D
Acq: 16 Jul 2019 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.5	26.2	78.5
134	27.6	13.8	41.3

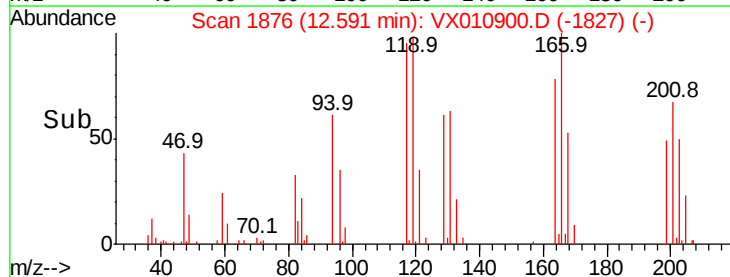
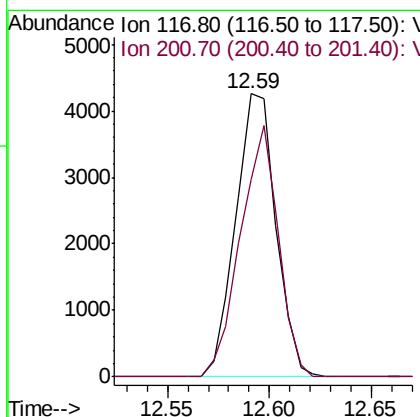
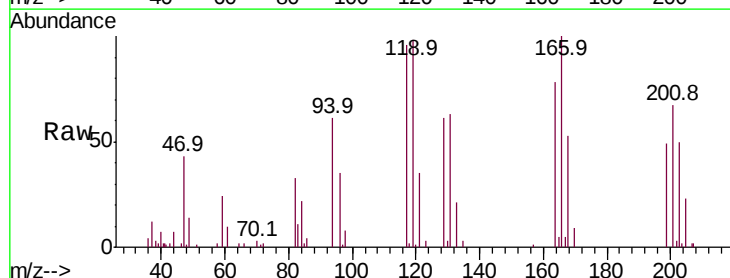
Manual Integrations
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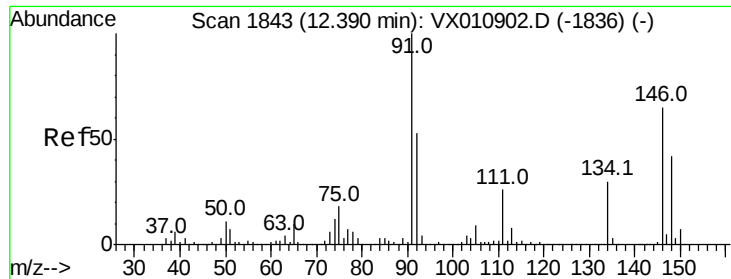
MMDadoda
7/17/2019 10:44:57 AM



#90
Hexachloroethane
Concen: 3.836 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. 0.00 min
Lab File: VX010900.D
Acq: 16 Jul 2019 10:06

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.7	43.3	129.8





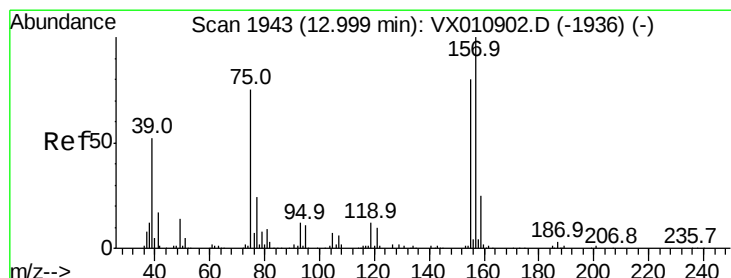
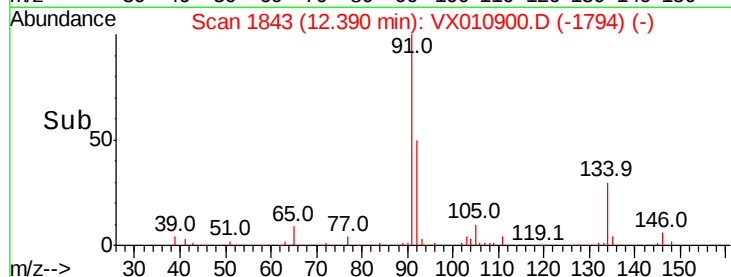
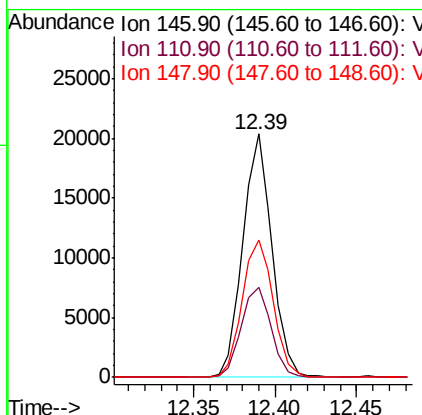
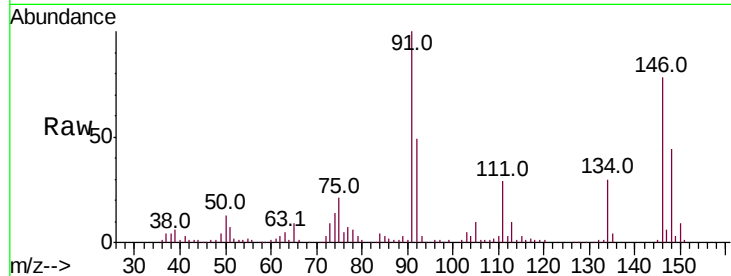
#91
 1,2-Dichlorobenzene
 Concen: 5.241 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX010900.D
 Acq: 16 Jul 2019 10:06

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.9	59.7
148	59.9	32.0	96.2

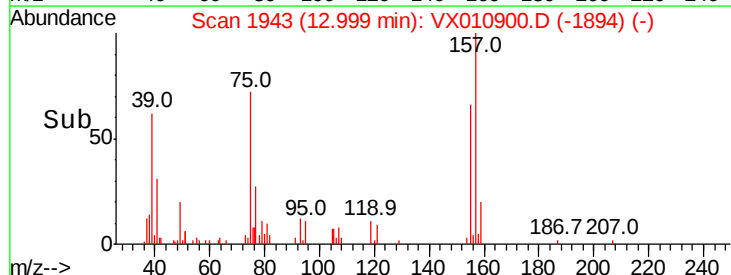
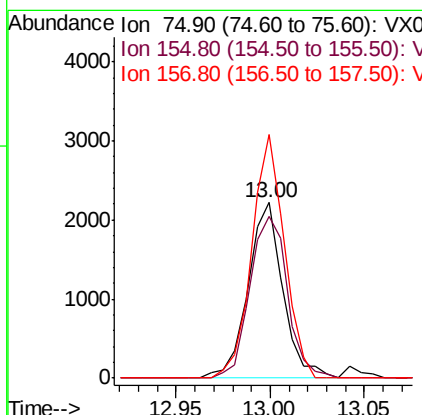
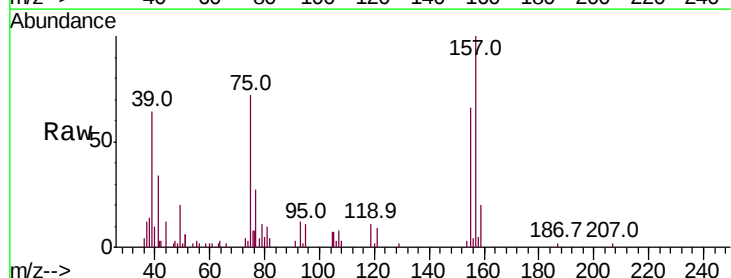
Manual Integrations
 APPROVED

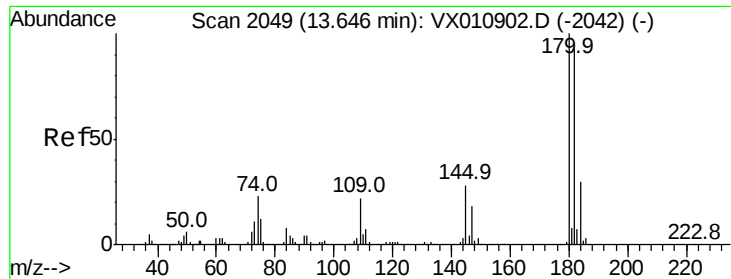
MMDadoda
 7/17/2019 10:44:57 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 3.968 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX010900.D
 Acq: 16 Jul 2019 10:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.3	48.7	146.1
157	129.1	62.5	187.6





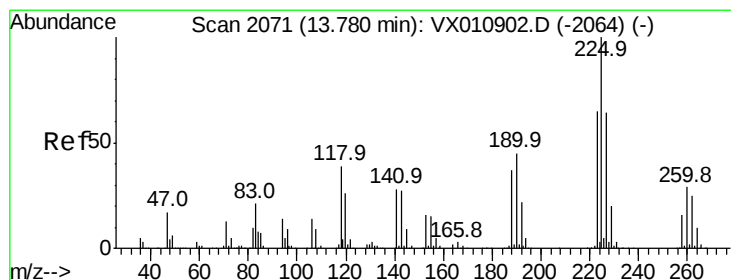
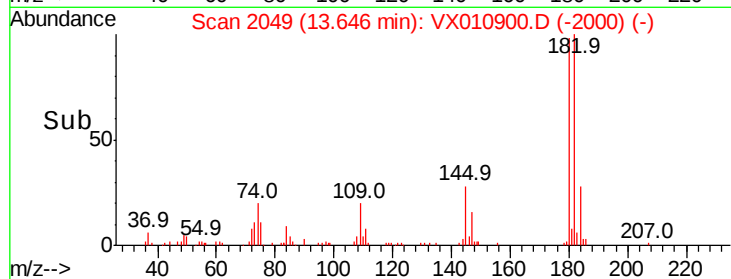
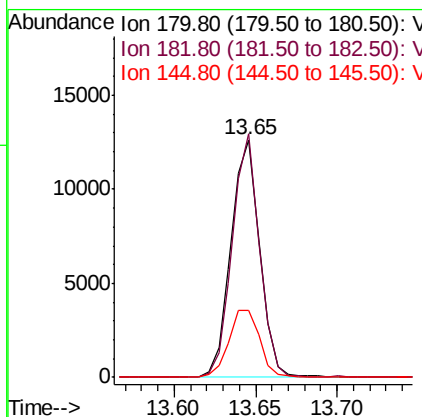
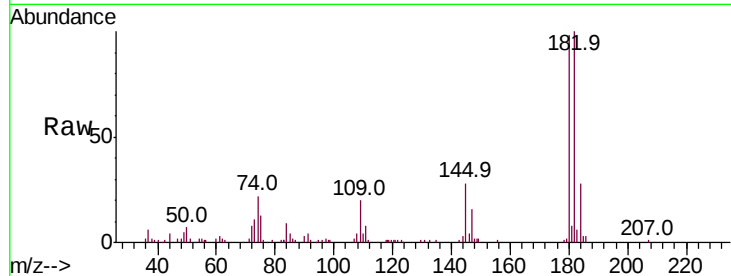
#93
 1,2,4-Trichlorobenzene
 Concen: 4.610 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX010900.D
 Acq: 16 Jul 2019 10:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.7	47.1	141.3
145	30.4	14.8	44.4

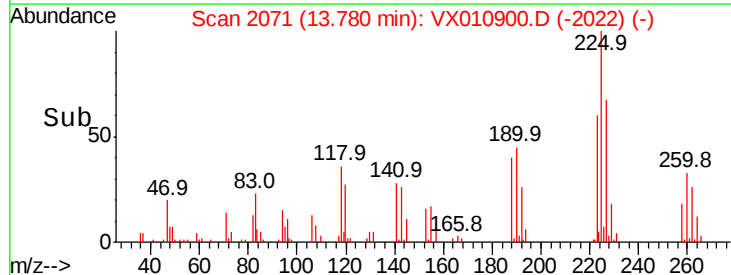
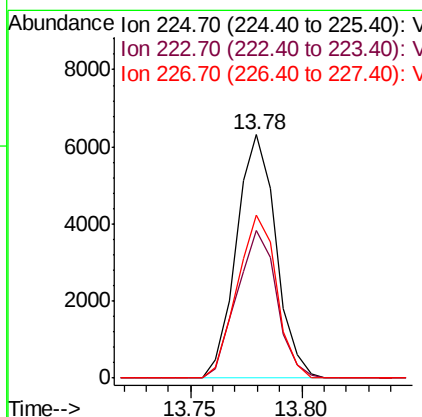
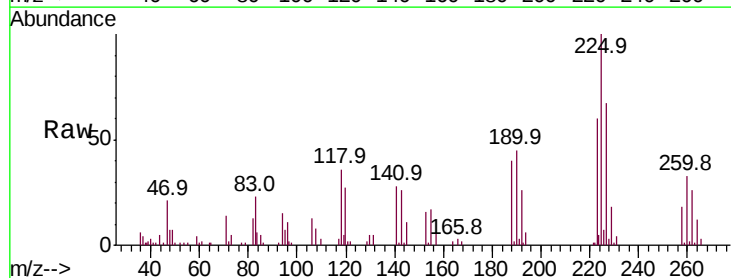
Manual Integrations
 APPROVED

MMDadoda
 7/17/2019 10:44:57 AM



#94
 Hexachlorobutadiene
 Concen: 4.784 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX010900.D
 Acq: 16 Jul 2019 10:06

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.1	31.9	95.9
227	66.6	32.5	97.4





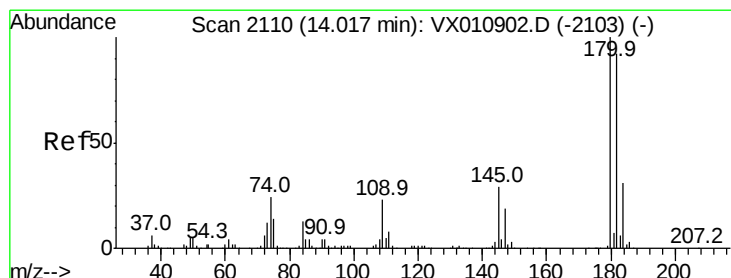
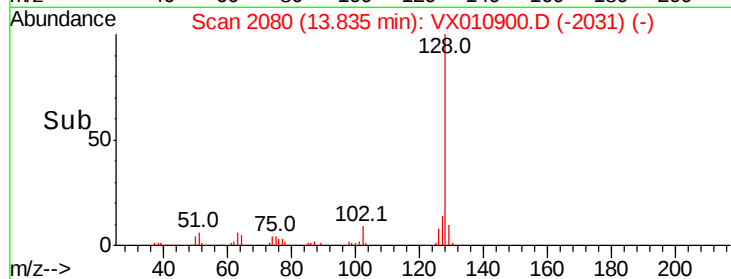
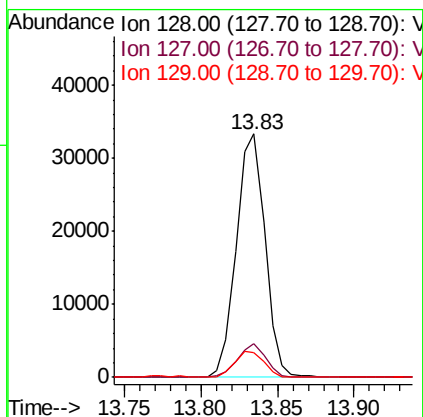
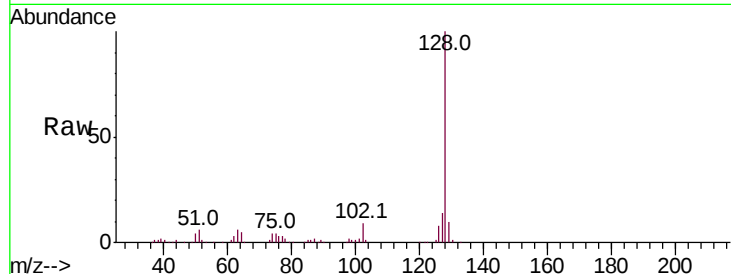
#95
Naphthalene
Concen: 4.243 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX010900.D
Acq: 16 Jul 2019 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.4	15.6
129	11.1	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
7/17/2019 10:44:57 AM



#96
1,2,3-Trichlorobenzene
Concen: 4.523 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX010900.D
Acq: 16 Jul 2019 10:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.4	142.3
145	31.7	15.1	45.3

