

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX051619\
 Data File : VX009600.D
 Acq On : 16 May 2019 12:27
 Operator : JC/SP
 Sample : VX0516WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0516WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/17/2019 1:09:01 PM

Quant Time: May 17 06:52:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	165015	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	260134	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	235015	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	115882	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	108490	48.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.32%	
35) Dibromofluoromethane	5.50	113	80741	49.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.74%	
50) Toluene-d8	8.71	98	315891	47.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.70%	
62) 4-Bromofluorobenzene	11.13	95	116252	48.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	25561	16.809	ug/l	97
3) Chloromethane	1.32	50	39778	19.160	ug/l	99
4) Vinyl Chloride	1.41	62	39474	19.499	ug/l	94
5) Bromomethane	1.64	94	24861	20.460	ug/l	98
6) Chloroethane	1.72	64	24921	19.174	ug/l	99
7) Trichlorofluoromethane	1.93	101	49039	19.928	ug/l	96
8) Diethyl Ether	2.19	74	22944	19.684	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	30119	19.491	ug/l	99
10) Methyl Iodide	2.51	142	33597	21.587	ug/l	100
11) Tert butyl alcohol	3.04	59	52942	101.532	ug/l	98
12) 1,1-Dichloroethene	2.37	96	30558	19.736	ug/l	96
13) Acrolein	2.29	56	28330	59.992	ug/l	98
14) Allyl chloride	2.73	41	74352	19.705	ug/l	98
15) Acrylonitrile	3.14	53	131027	102.771	ug/l	99
16) Acetone	2.45	43	121641	100.564	ug/l	99
17) Carbon Disulfide	2.57	76	80053	18.416	ug/l	98
18) Methyl Acetate	2.78	43	59544	20.699	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	120849	20.100	ug/l	98
20) Methylene Chloride	2.85	84	37312	19.051	ug/l	92
21) trans-1,2-Dichloroethene	3.17	96	33000	19.653	ug/l	97
22) Diisopropyl ether	3.85	45	147088	20.270	ug/l	93
23) Vinyl Acetate	3.82	43	650321	104.658	ug/l	100
24) 1,1-Dichloroethane	3.70	63	71070	19.854	ug/l	98
25) 2-Butanone	4.67	43	197117	104.868	ug/l	99
26) 2,2-Dichloropropane	4.59	77	50920	19.111	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	39485	19.701	ug/l	99
28) Bromochloromethane	5.01	49	27162	17.043	ug/l	99
29) Tetrahydrofuran	5.13	42	127626	105.515	ug/l	99
30) Chloroform	5.21	83	66616	20.576	ug/l	100
31) Cyclohexane	5.58	56	65553	19.683	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	53880	19.992	ug/l	98
36) 1,1-Dichloropropene	5.80	75	48526	20.073	ug/l	99
37) Ethyl Acetate	4.84	43	72584	21.550	ug/l	99
38) Carbon Tetrachloride	5.78	117	44090	20.074	ug/l	96

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 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	59103	19.908	ug/l	99
40) Benzene	6.15	78	152640	20.402	ug/l	96
41) Methacrylonitrile	5.04	41	40814	20.356	ug/l	98
42) 1,2-Dichloroethane	6.20	62	56587	21.085	ug/l	99
43) Isopropyl Acetate	6.45	43	111293	20.657	ug/l	100
44) Trichloroethene	7.21	130	36173	19.999	ug/l	100
45) 1,2-Dichloropropane	7.51	63	44102	20.818	ug/l	100
46) Dibromomethane	7.66	93	25035	20.350	ug/l	99
47) Bromodichloromethane	7.90	83	49910	20.338	ug/l	96
48) Methyl methacrylate	7.77	41	56241	21.041	ug/l	98
49) 1,4-Dioxane	7.74	88	22403	413.284	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	377679	107.249	ug/l	100
52) Toluene	8.79	92	93109	20.473	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	55495	20.030	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	61999	20.218	ug/l	94
55) 1,1,2-Trichloroethane	9.21	97	38740	20.880	ug/l	98
56) Ethyl methacrylate	9.18	69	67770	20.462	ug/l	99
57) 1,3-Dichloropropane	9.37	76	67439	20.655	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	159270	90.648	ug/l	99
59) 2-Hexanone	9.49	43	295641	106.894	ug/l	98
60) Dibromochloromethane	9.58	129	37112	20.480	ug/l	99
61) 1,2-Dibromoethane	9.67	107	38565	20.591	ug/l	100
64) Tetrachloroethene	9.34	164	33099	20.532	ug/l	98
65) Chlorobenzene	10.14	112	95770	20.371	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	34248	20.093	ug/l	98
67) Ethyl Benzene	10.25	91	177248	20.486	ug/l	98
68) m/p-Xylenes	10.36	106	129141	40.844	ug/l	98
69) o-Xylene	10.70	106	64056	20.533	ug/l	100
70) Styrene	10.71	104	109551	20.205	ug/l	99
71) Bromoform	10.85	173	27283	19.697	ug/l #	100
73) Isopropylbenzene	11.02	105	169912	20.163	ug/l	100
74) N-amyl acetate	10.90	43	99013	20.154	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	64361	20.488	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	55326m	20.582	ug/l	
77) Bromobenzene	11.26	156	42241	20.196	ug/l	99
78) n-propylbenzene	11.36	91	194687	20.230	ug/l	100
79) 2-Chlorotoluene	11.42	91	116334	19.593	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	143060	20.162	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	19592	18.649	ug/l	89
82) 4-Chlorotoluene	11.51	91	133903	19.963	ug/l	99
83) tert-Butylbenzene	11.77	119	137324	19.895	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	144992	20.358	ug/l	100
85) sec-Butylbenzene	11.94	105	163847	20.022	ug/l	100
86) p-Isopropyltoluene	12.06	119	148514	20.188	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	74152	19.887	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	75249	20.018	ug/l	99
89) n-Butylbenzene	12.38	91	132125	19.871	ug/l	99
90) Hexachloroethane	12.60	117	24252	19.350	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	76386	20.114	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	15096	21.422	ug/l	95

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Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

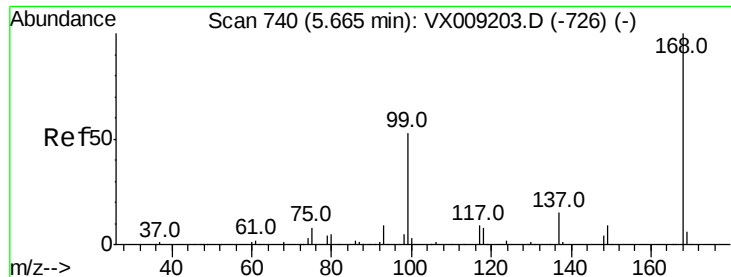
Manual Integrations
APPROVED

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
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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	51949	20.003	ug/l	98
94) Hexachlorobutadiene	13.78	225	26291	19.824	ug/l	97
95) Naphthalene	13.83	128	172629	20.431	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	54453	20.685	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009600.D

Acq: 16 May 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBS01

Tot Ion:168 Resp: 165015

Ion Ratio Lower Upper

168 100

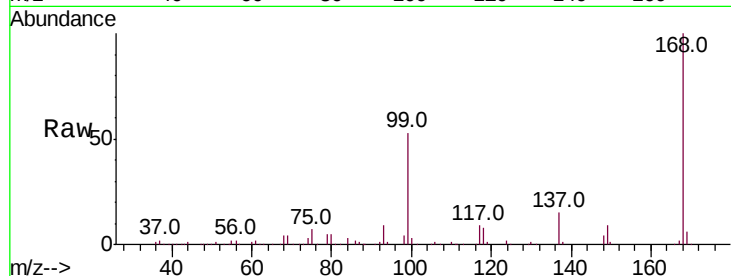
99 52.9 42.3 63.5

Manual Integrations

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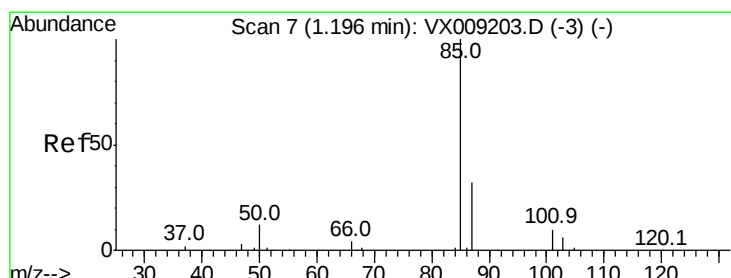
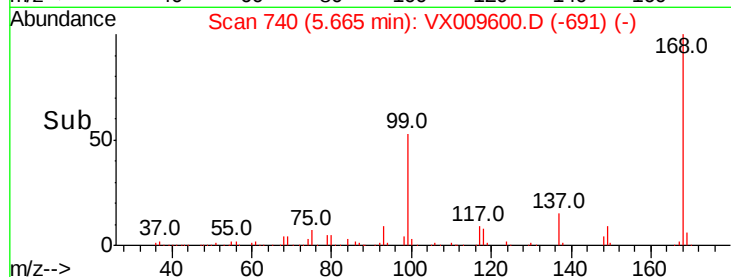
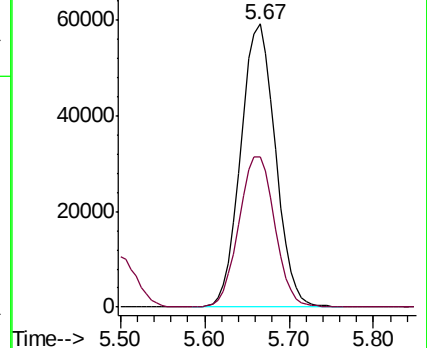
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 16.809 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009600.D

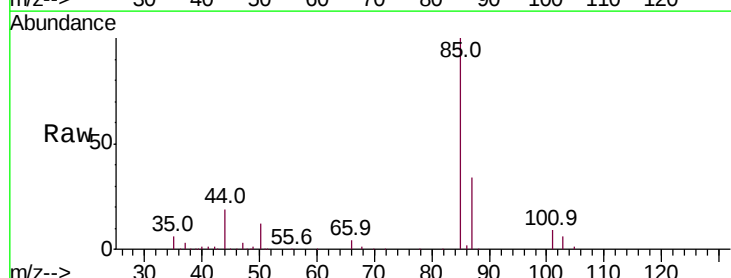
Acq: 16 May 2019 12:27

Tgt Ion: 85 Resp: 25561

Ion Ratio Lower Upper

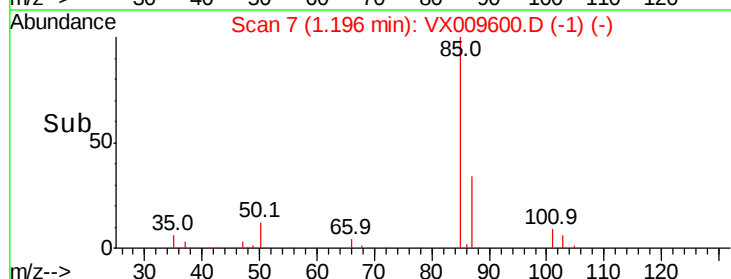
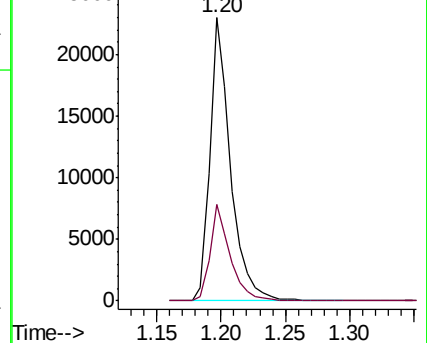
85 100

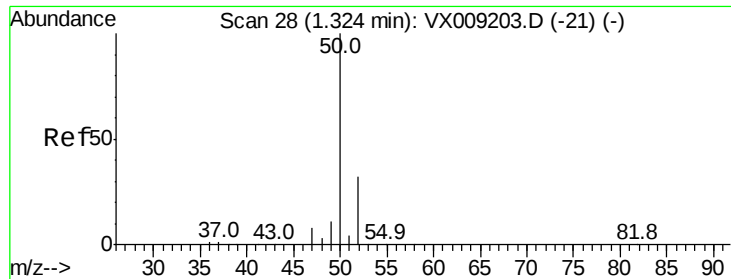
87 34.1 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 19.160 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009600.D

Acq: 16 May 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBS01

Tot Ion: 50 Resp: 39778

Ion Ratio Lower Upper

50 100

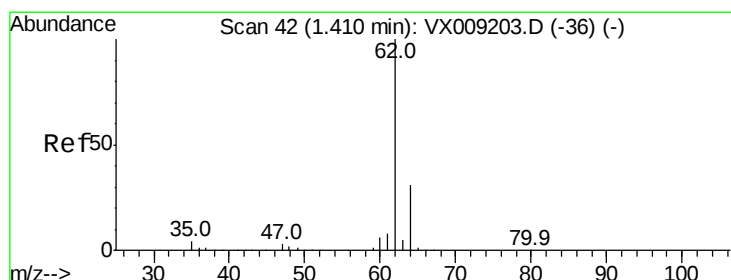
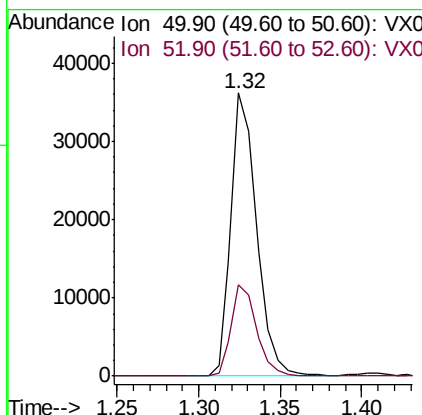
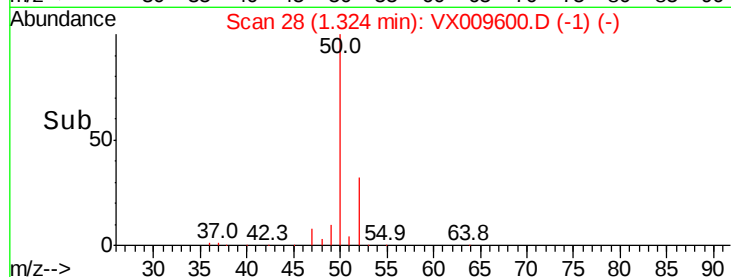
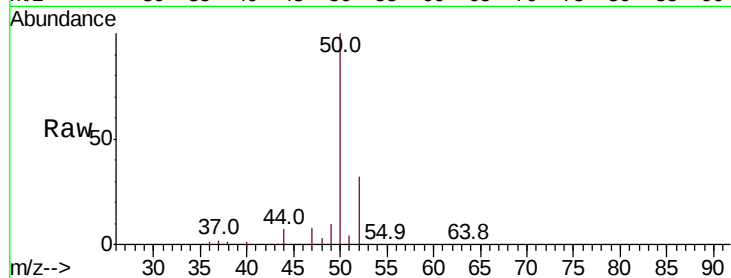
52 32.1 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.499 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009600.D

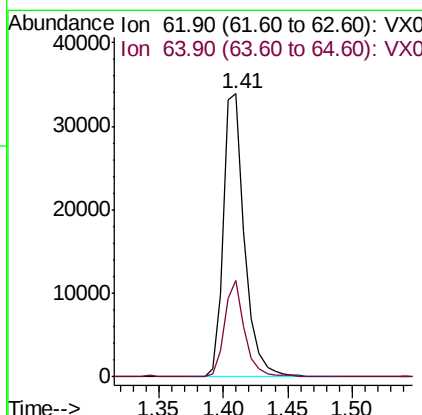
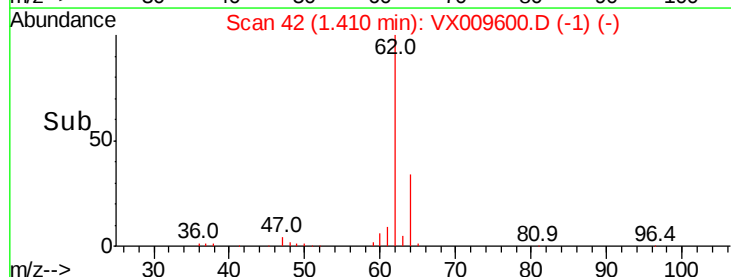
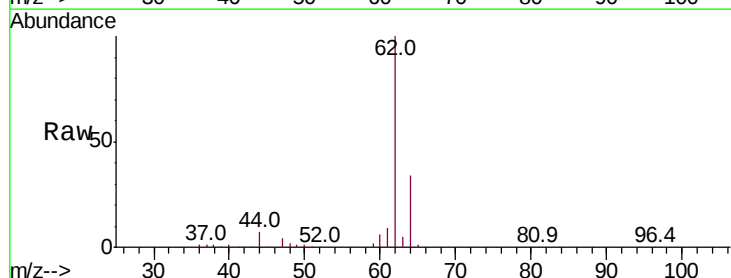
Acq: 16 May 2019 12:27

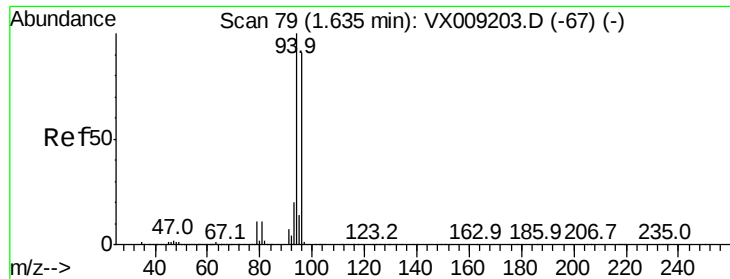
Tgt Ion: 62 Resp: 39474

Ion Ratio Lower Upper

62 100

64 34.0 24.6 36.8





#5

Bromomethane

Concen: 20.460 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009600.D

Acq: 16 May 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBS01

Tot Ion: 94 Resp: 24861

Ion Ratio Lower Upper

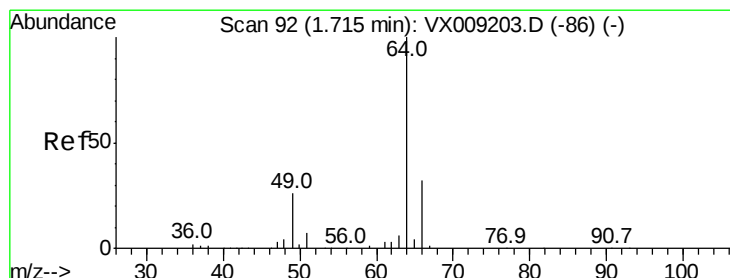
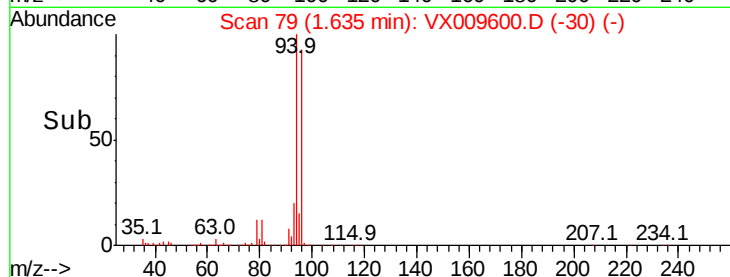
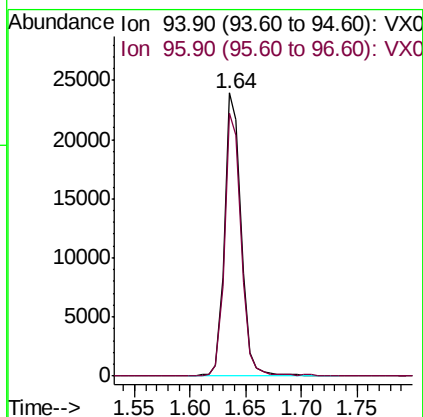
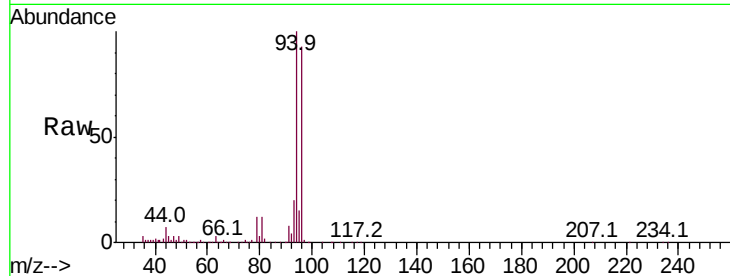
94 100

96 93.1 73.0 109.6

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#6

Chloroethane

Concen: 19.174 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX009600.D

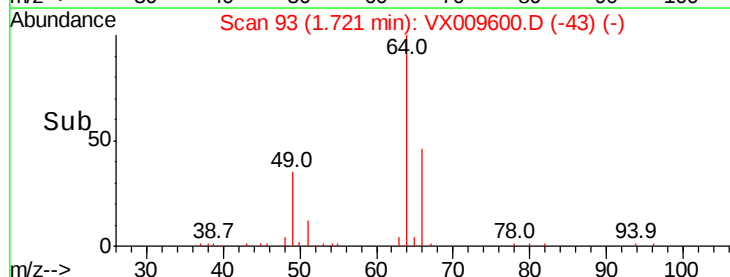
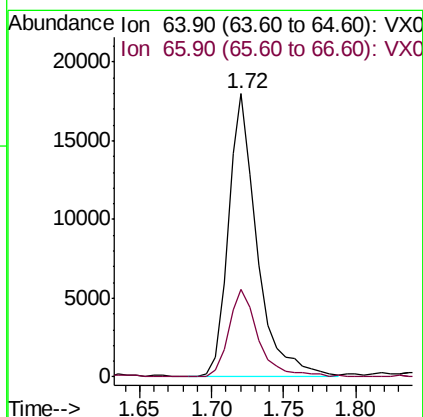
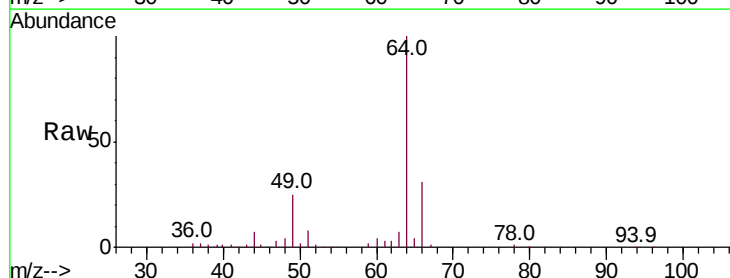
Acq: 16 May 2019 12:27

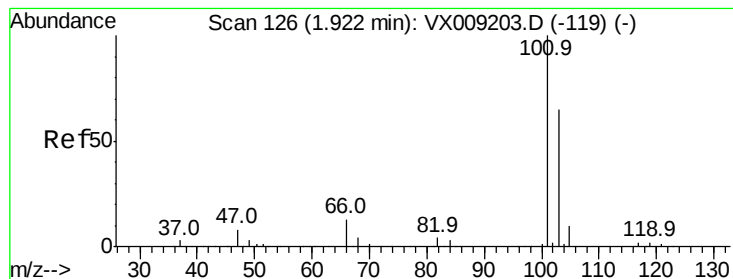
Tgt Ion: 64 Resp: 24921

Ion Ratio Lower Upper

64 100

66 30.9 25.3 37.9





#7

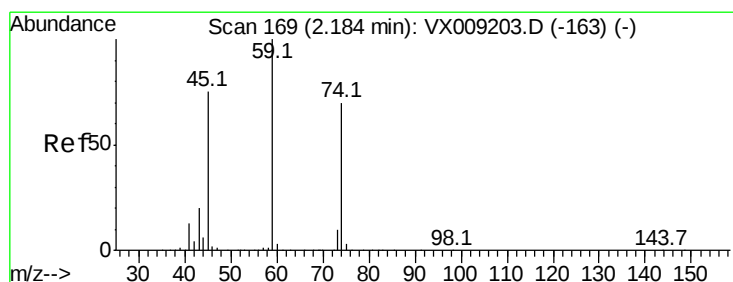
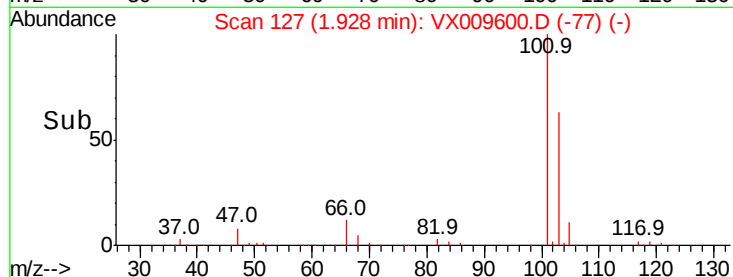
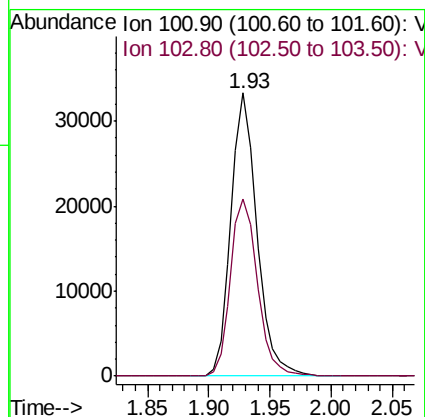
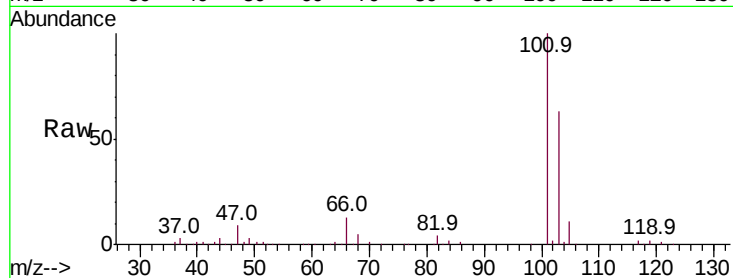
Trichlorofluoromethane
 Concen: 19.928 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX009600.D
 Acq: 16 May 2019 12:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0516WBS01

Tot Ion:101 Resp: 49039
 Ion Ratio Lower Upper
 101 100
 103 62.7 52.4 78.6

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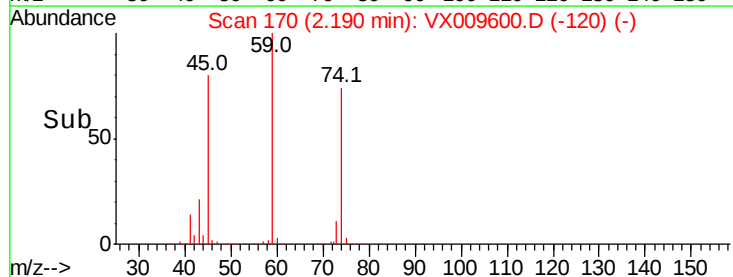
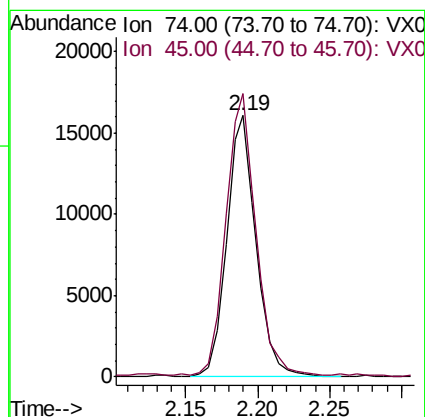
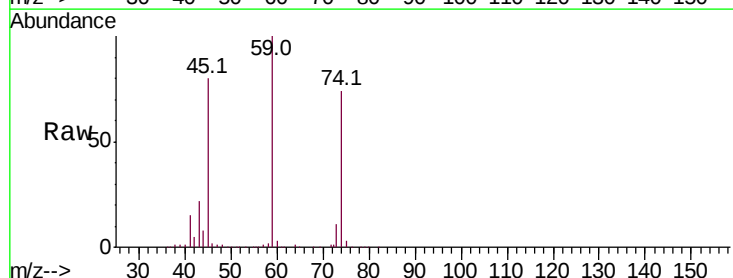
MMDadoda
 5/17/2019 1:09:01 PM

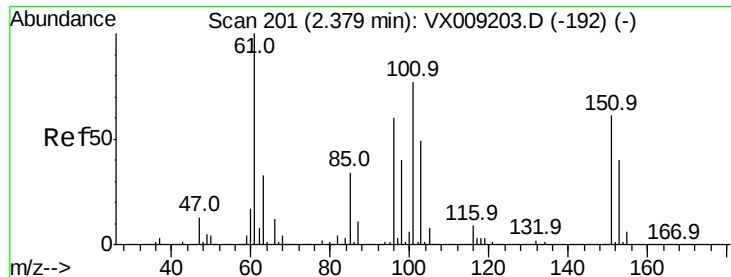


#8

Diethyl Ether
 Concen: 19.684 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX009600.D
 Acq: 16 May 2019 12:27

Tgt Ion: 74 Resp: 22944
 Ion Ratio Lower Upper
 74 100
 45 109.8 53.3 159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.491 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX009600.D

Acq: 16 May 2019 12:27

Instrument :

MSVOA_X

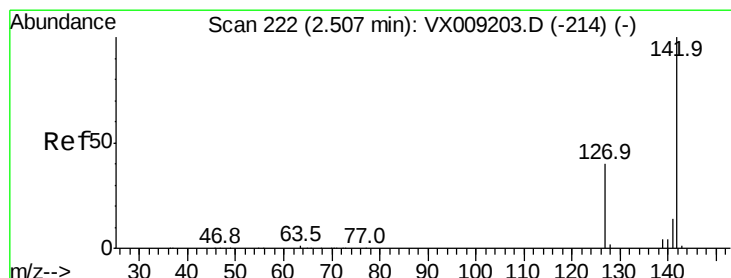
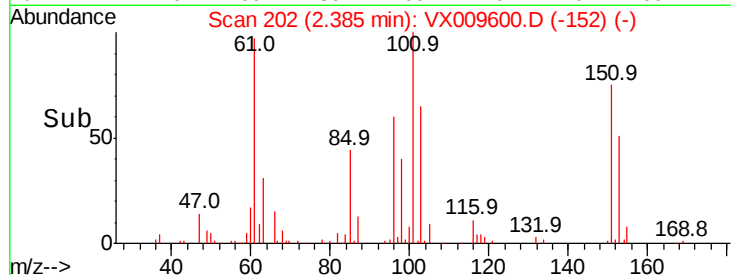
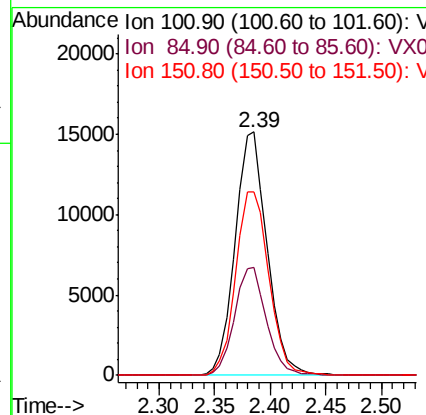
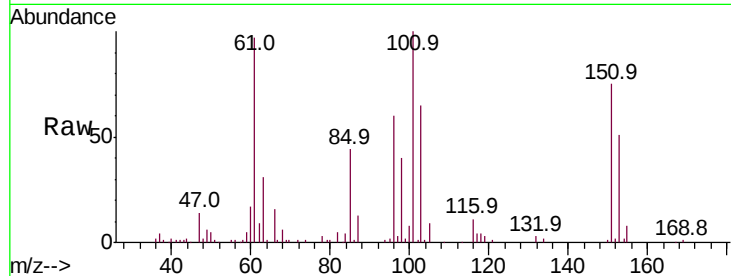
ClientSampleId :

VX0516WBS01

Tot Ion:	101	Resp:	30119
Ion Ratio	Lower	Upper	
101	100		
85	44.2	35.7	53.5
151	78.4	62.2	93.2

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#10

Methyl Iodide

Concen: 21.587 ug/l

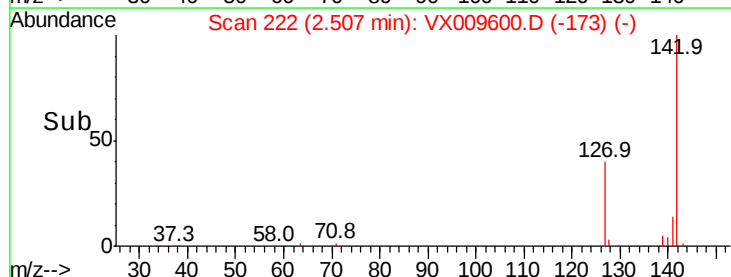
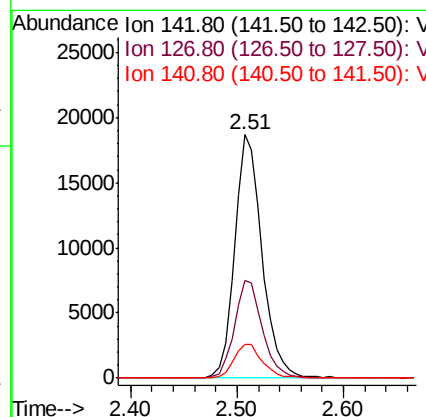
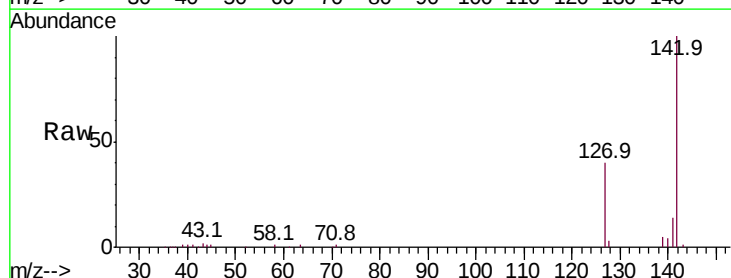
RT: 2.51 min Scan# 222

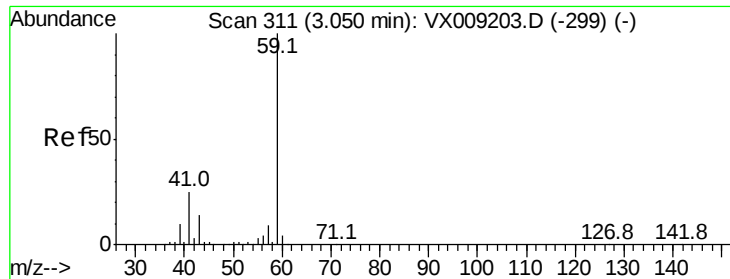
Delta R.T. 0.00 min

Lab File: VX009600.D

Acq: 16 May 2019 12:27

Tgt Ion:	142	Resp:	33597
Ion Ratio	Lower	Upper	
142	100		
127	41.0	32.7	49.1
141	14.6	11.5	17.3





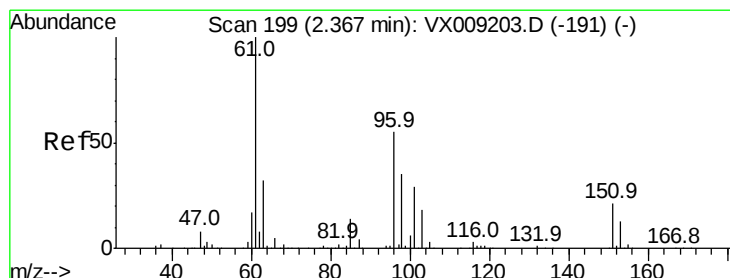
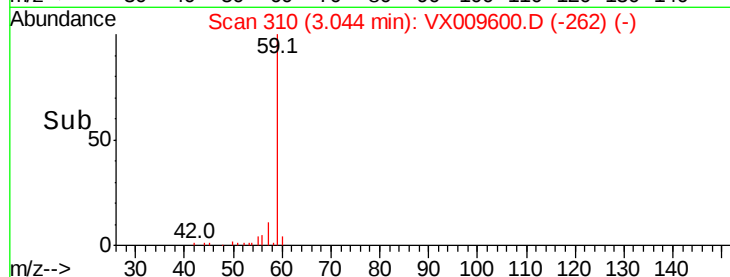
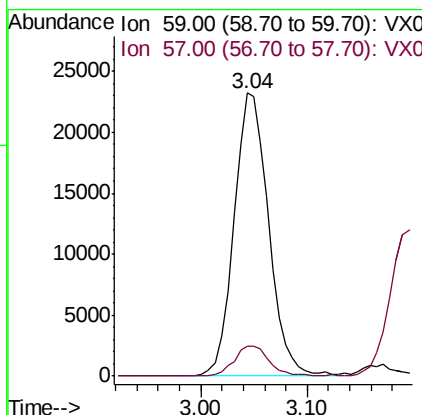
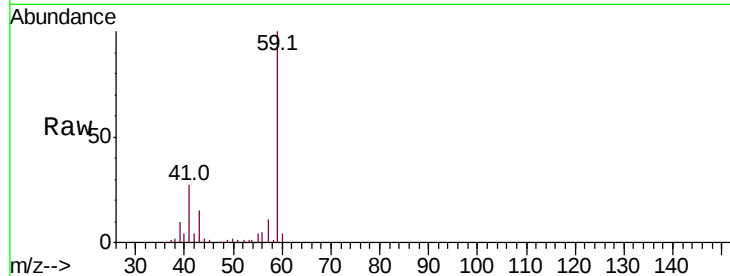
#11
Tert butyl alcohol
Concen: 101.532 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX009600.D
Acq: 16 May 2019 12:27

Instrument :
MSVOA_X
ClientSampled :
VX0516WBS01

Tot Ion: 59 Resp: 52942
Ion Ratio Lower Upper
59 100
57 10.8 8.2 12.2

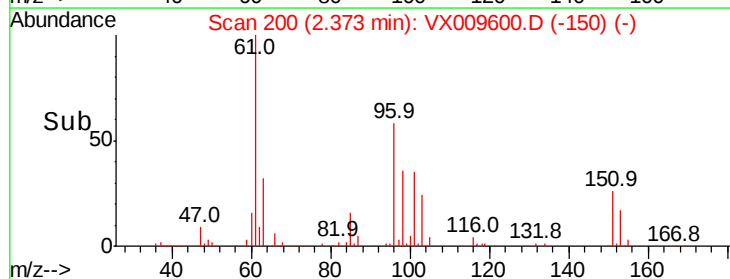
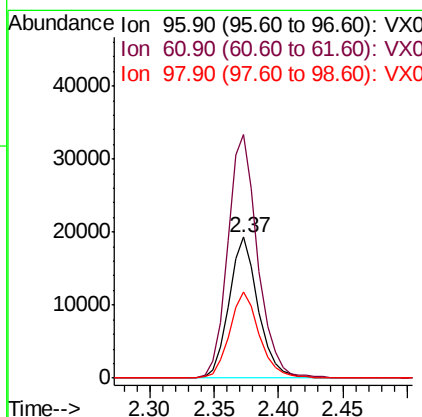
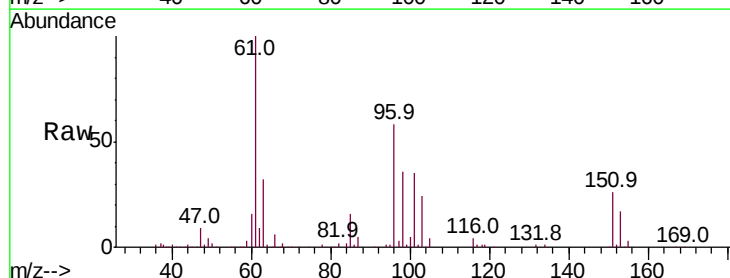
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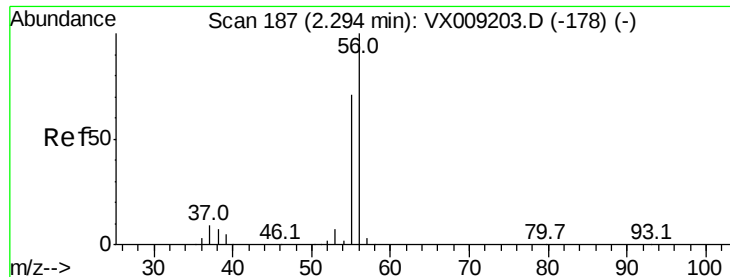
MMDadoda
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#12
1,1-Dichloroethene
Concen: 19.736 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX009600.D
Acq: 16 May 2019 12:27

Tgt Ion: 96 Resp: 30558
Ion Ratio Lower Upper
96 100
61 172.9 144.3 216.5
98 61.7 50.3 75.5





#13

Acrolein

Concen: 59.992 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009600.D

Acq: 16 May 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBS01

Tot Ion: 56 Resp: 28330

Ion Ratio Lower Upper

56 100

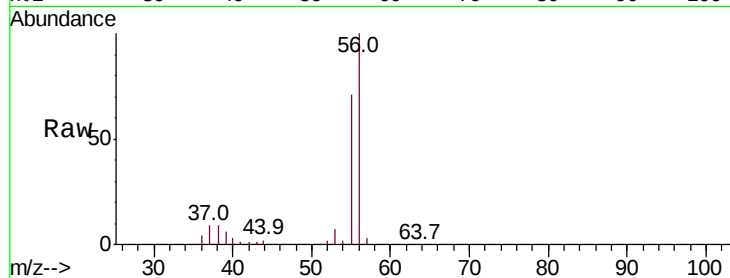
55 69.4 56.6 85.0

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

20000

15000

10000

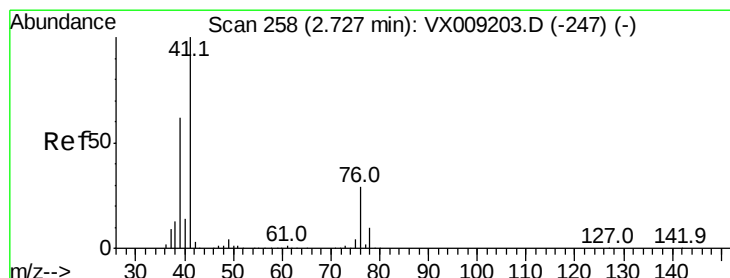
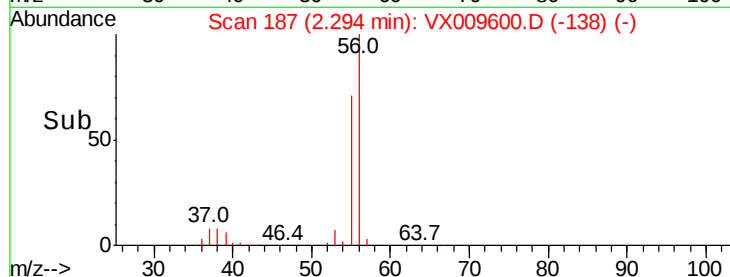
5000

0

2.29

2.20 2.30 2.40

Time-->



#14

Allyl chloride

Concen: 19.705 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX009600.D

Acq: 16 May 2019 12:27

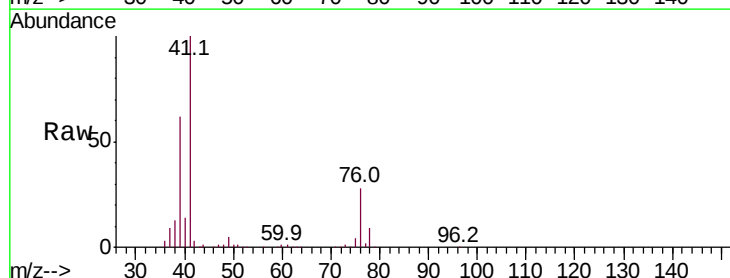
Tgt Ion: 41 Resp: 74352

Ion Ratio Lower Upper

41 100

39 56.8 46.7 70.1

76 25.8 21.8 32.8



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

60000

50000

40000

30000

20000

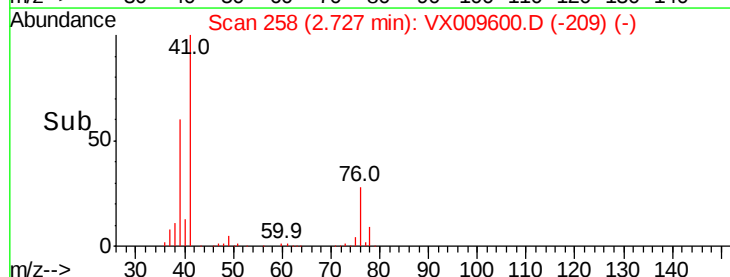
10000

0

2.73

2.60 2.70 2.80

Time-->





#15

Acrylonitrile

Concen: 102.771 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX009600.D

Acq: 16 May 2019 12:27

Instrument :

MSVOA_X

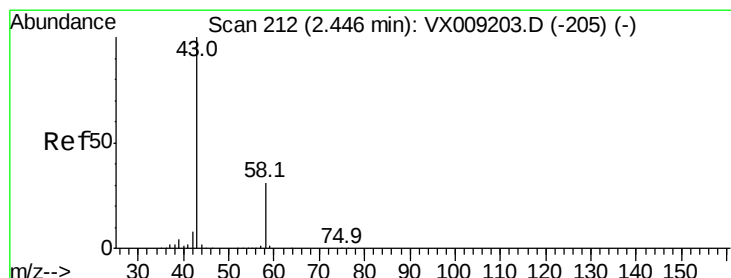
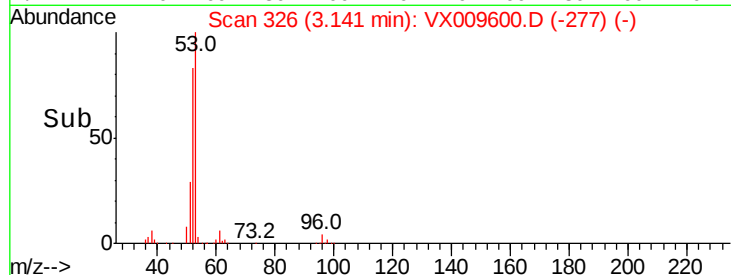
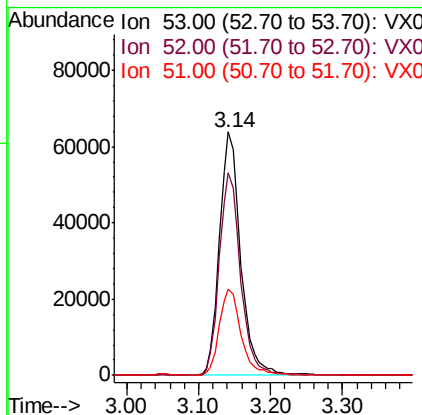
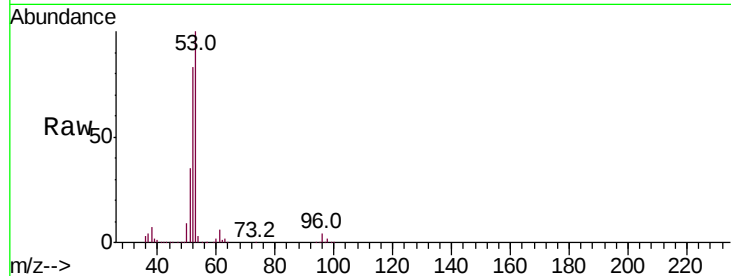
ClientSampleId :

VX0516WBS01

Tot Ion:	53	Resp:	131027
Ion Ratio	Lower	Upper	
53	100		
52	83.3	66.9	100.3
51	36.5	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 100.564 ug/l

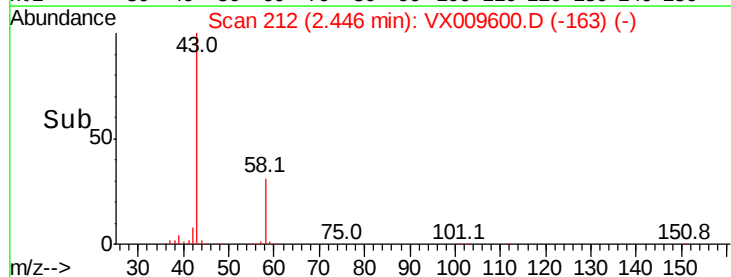
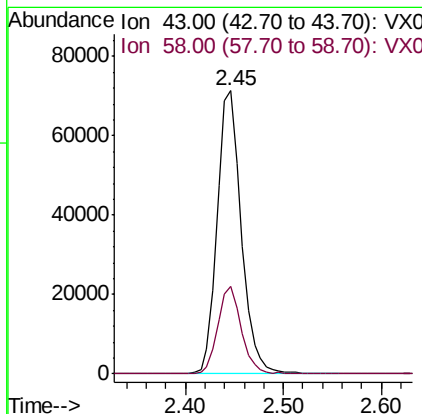
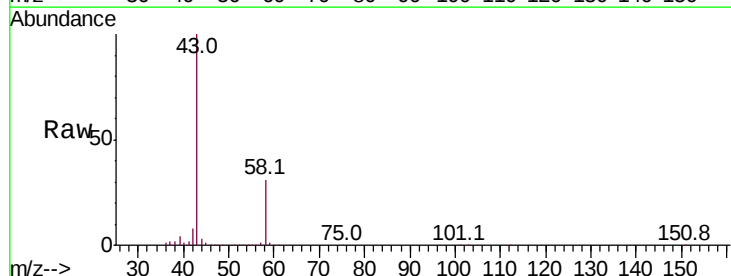
RT: 2.45 min Scan# 212

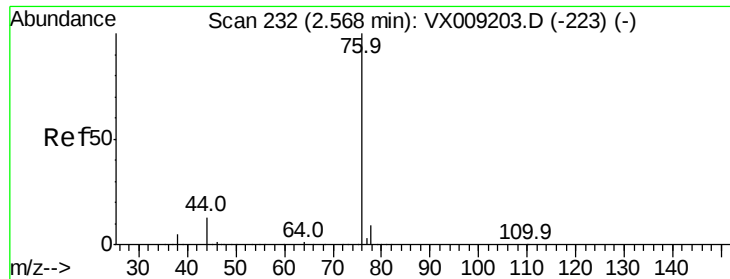
Delta R.T. -0.00 min

Lab File: VX009600.D

Acq: 16 May 2019 12:27

Tgt Ion:	43	Resp:	121641
Ion Ratio	Lower	Upper	
43	100		
58	30.7	24.9	37.3





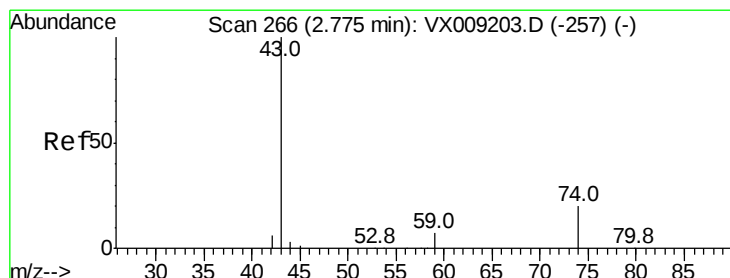
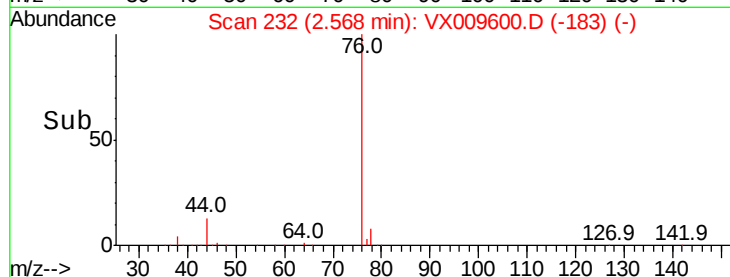
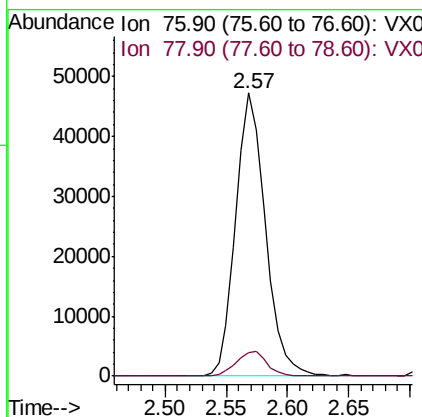
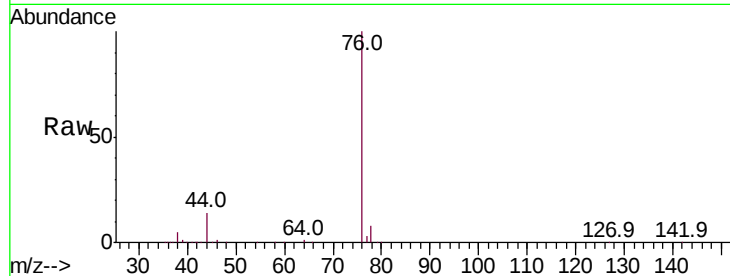
#17
Carbon Disulfide
Concen: 18.416 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX009600.D
Acq: 16 May 2019 12:27

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

Tot Ion: 76 Resp: 80053
Ion Ratio Lower Upper
76 100
78 8.5 7.4 11.0

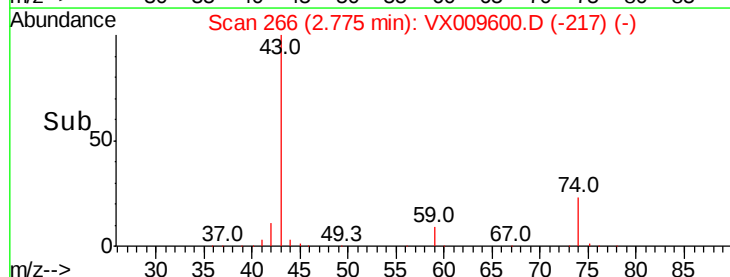
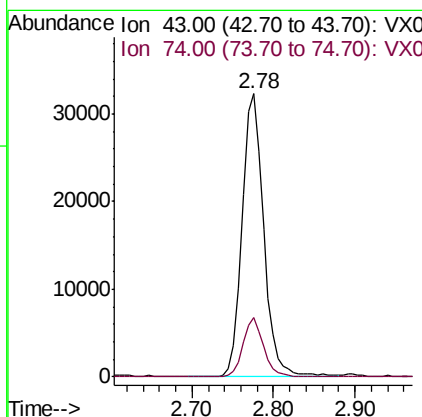
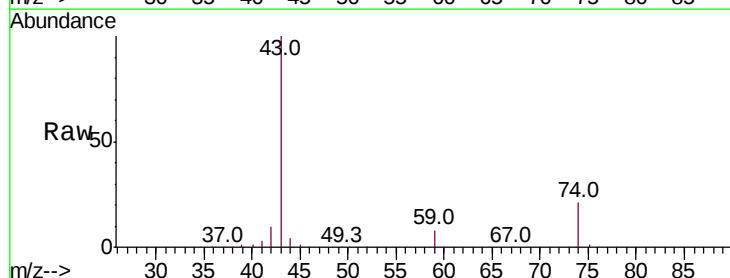
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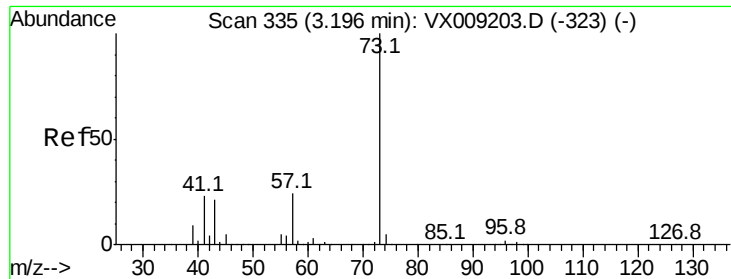
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#18
Methyl Acetate
Concen: 20.699 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX009600.D
Acq: 16 May 2019 12:27

Tgt Ion: 43 Resp: 59544
Ion Ratio Lower Upper
43 100
74 19.9 16.2 24.4





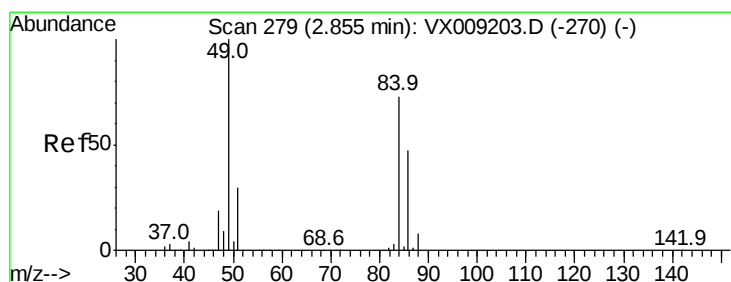
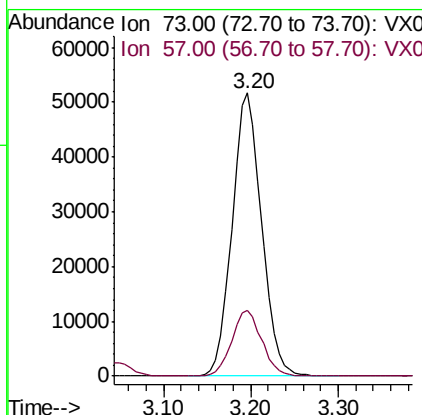
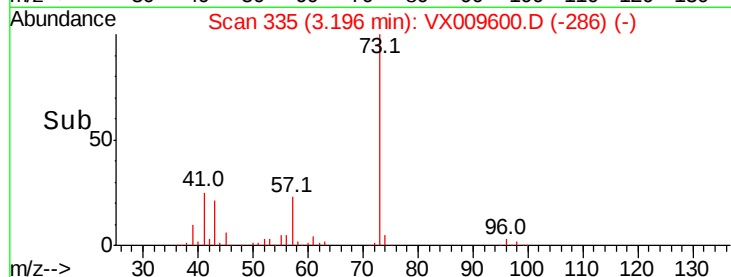
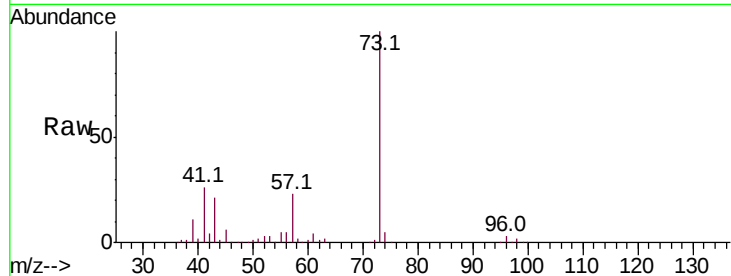
#19
Methvl tert-butvl Ether
Concen: 20.100 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX009600.D
Acq: 16 May 2019 12:27

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

Tot Ion: 73 Resp: 120849
Ion Ratio Lower Upper
73 100
57 23.3 19.3 28.9

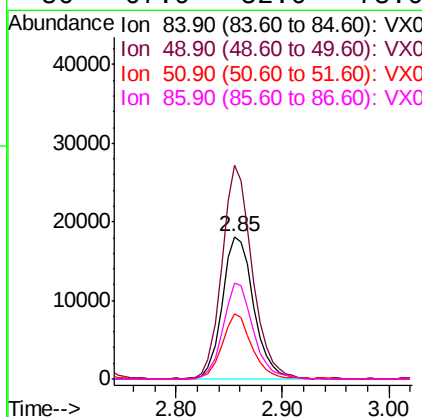
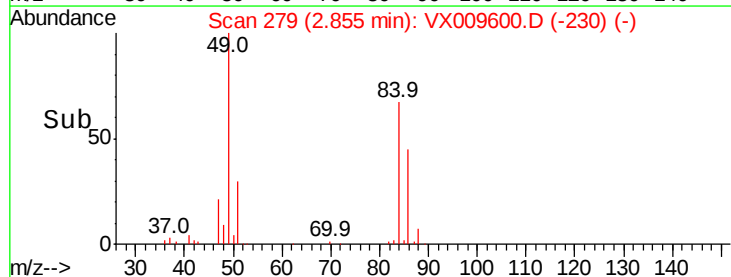
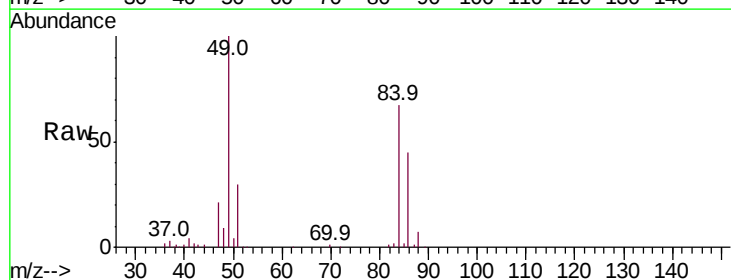
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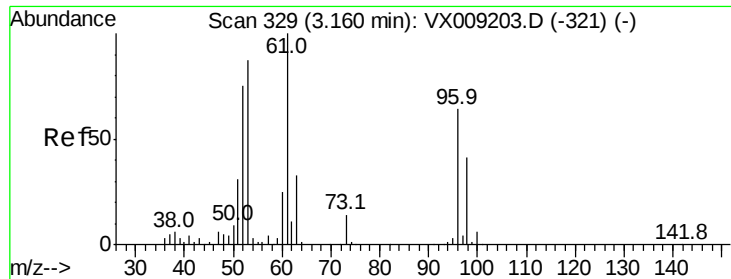
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#20
Methylene Chloride
Concen: 19.051 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009600.D
Acq: 16 May 2019 12:27

Tgt Ion: 84 Resp: 37312
Ion Ratio Lower Upper
84 100
49 149.7 109.9 164.9
51 45.5 32.7 49.1
86 67.9 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 19.653 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009600.D

Acq: 16 May 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBS01

Tot Ion: 96 Resp: 33000

Ion Ratio Lower Upper

96 100

61 160.9 124.5 186.7

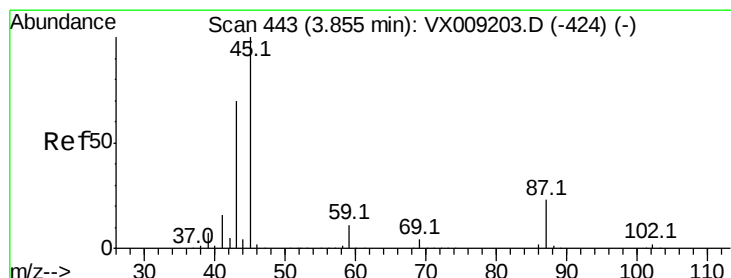
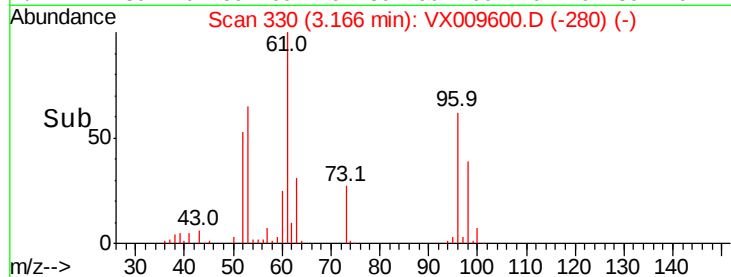
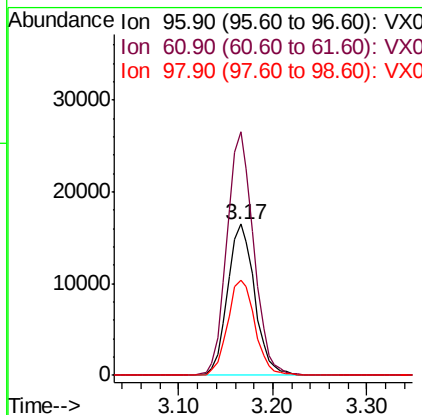
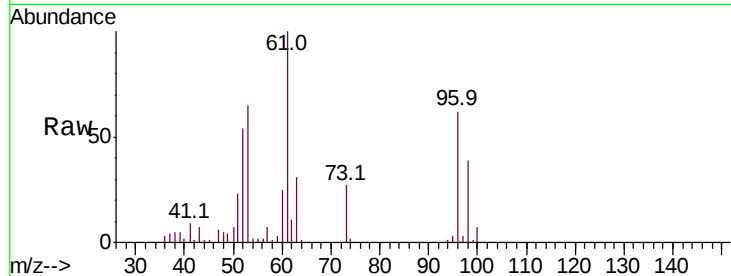
98 62.9 50.4 75.6

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#22

Diisopropyl ether

Concen: 20.270 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX009600.D

Acq: 16 May 2019 12:27

Tgt Ion: 45 Resp: 147088

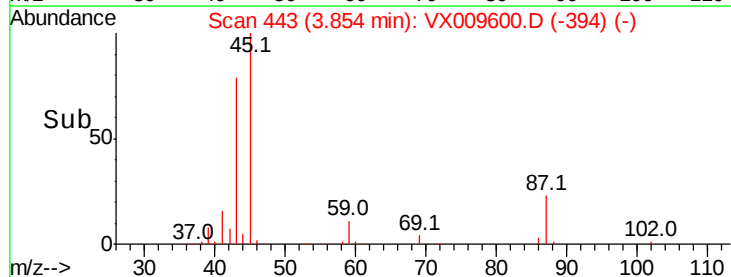
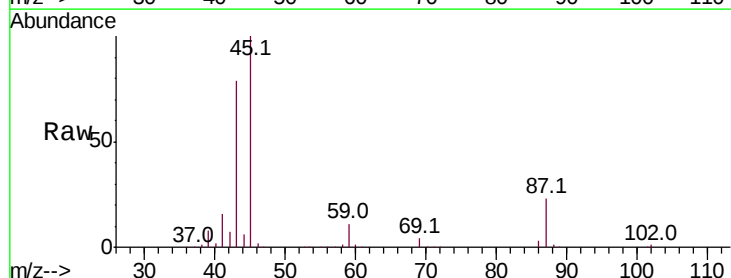
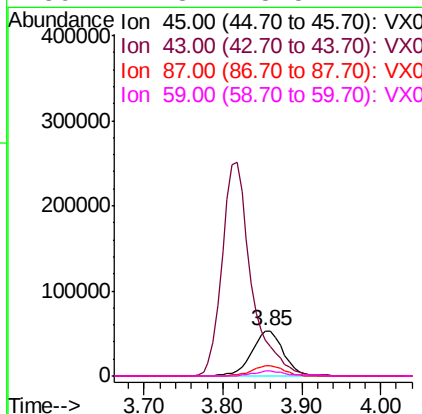
Ion Ratio Lower Upper

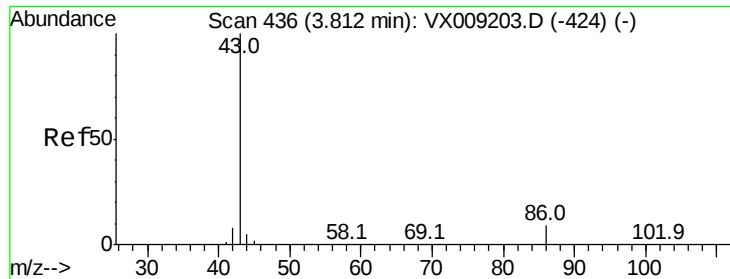
45 100

43 78.5 56.1 84.1

87 22.6 18.1 27.1

59 11.3 8.5 12.7





#23

Vinyl Acetate

Concen: 104.658 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.01 min

Lab File: VX009600.D

Acq: 16 May 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBS01

Tot Ion: 43 Resp: 650321

Ion Ratio Lower Upper

43 100

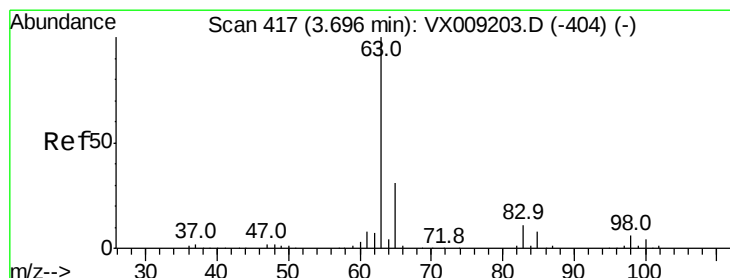
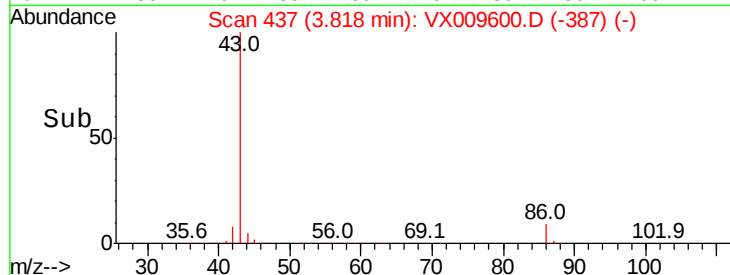
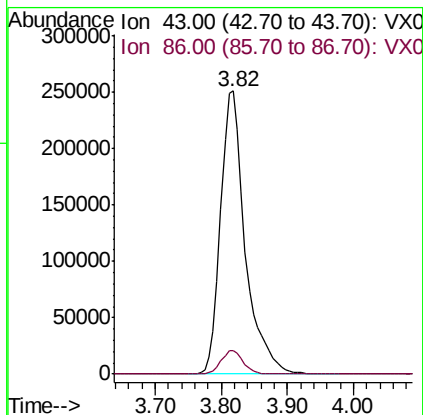
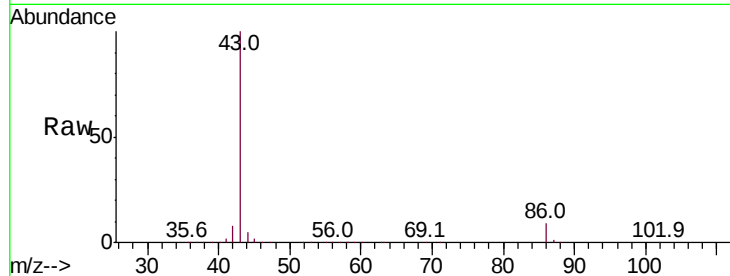
86 8.5 6.9 10.3

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.854 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009600.D

Acq: 16 May 2019 12:27

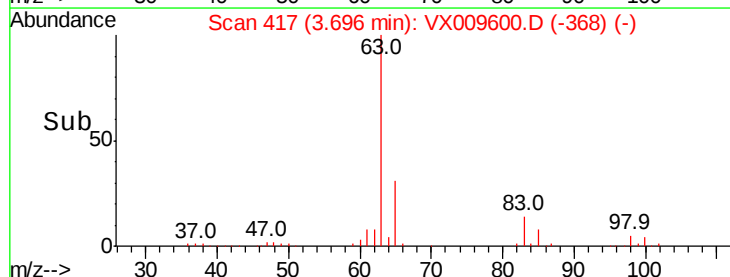
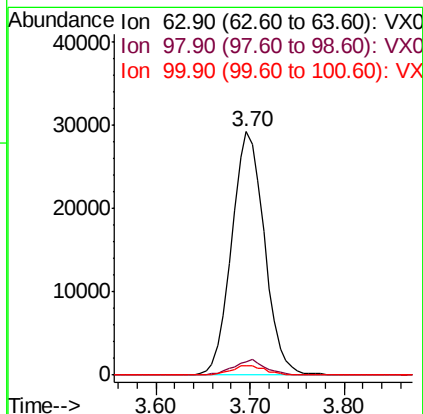
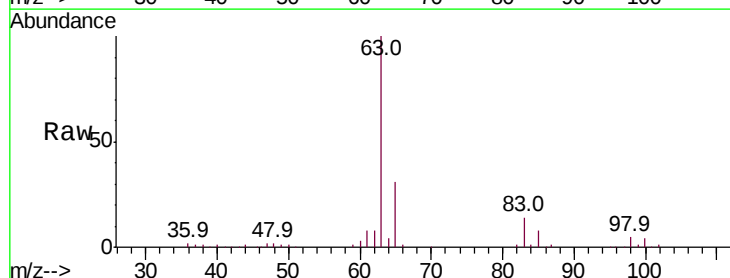
Tgt Ion: 63 Resp: 71070

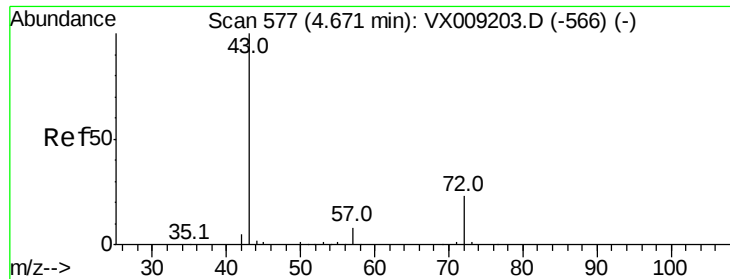
Ion Ratio Lower Upper

63 100

98 5.2 3.0 9.2

100 3.9 2.0 6.0





#25

2-Butanone

Concen: 104.868 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX009600.D

Acq: 16 May 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBS01

Tot Ion: 43 Resp: 197117

Ion Ratio Lower Upper

43 100

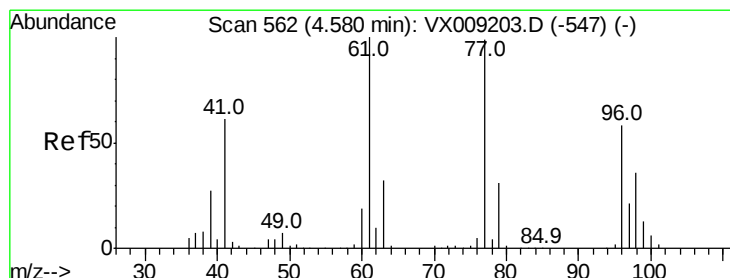
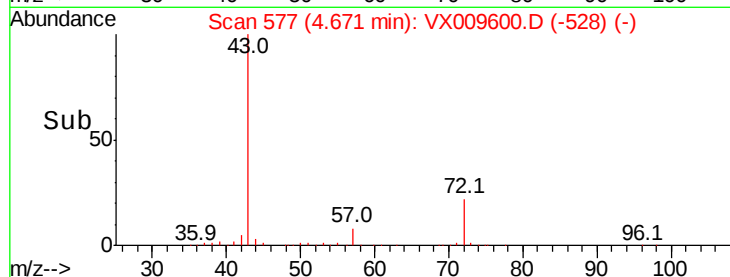
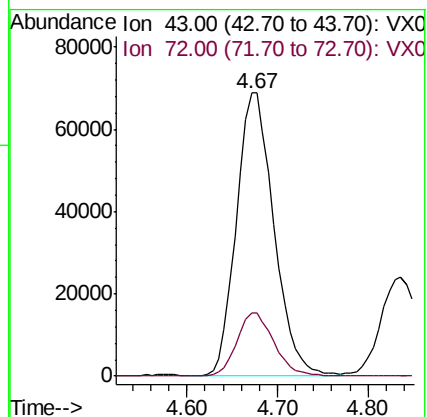
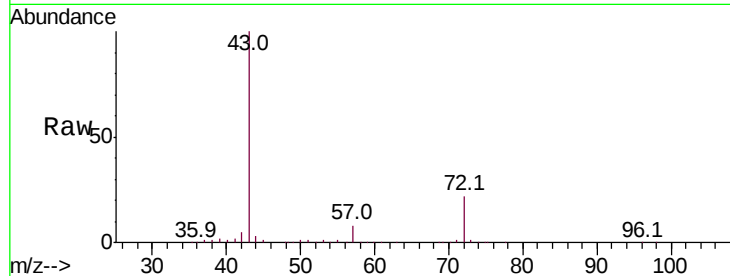
72 22.0 18.2 27.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.111 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX009600.D

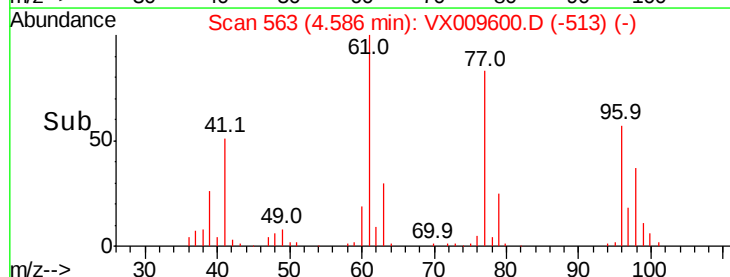
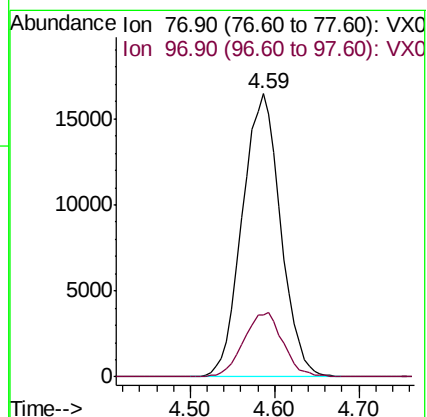
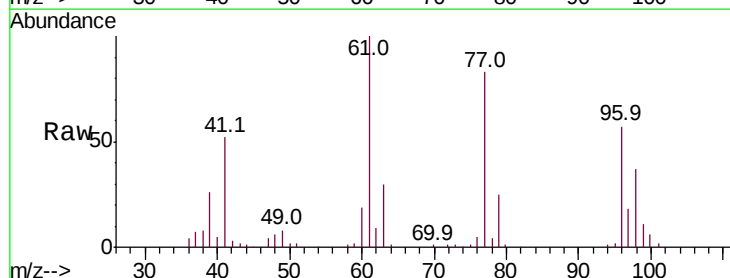
Acq: 16 May 2019 12:27

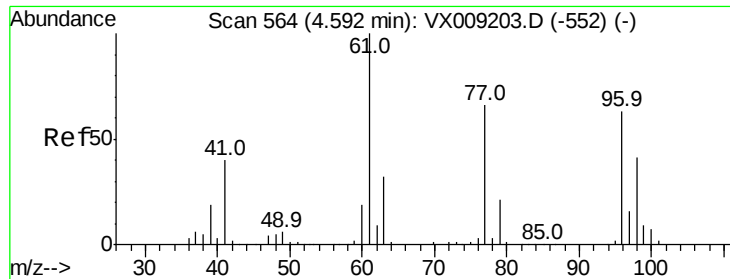
Tgt Ion: 77 Resp: 50920

Ion Ratio Lower Upper

77 100

97 23.2 11.5 34.4





#27

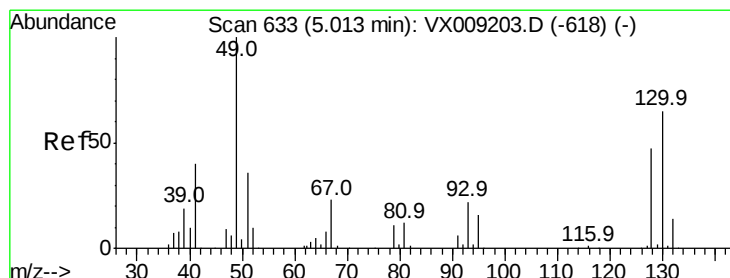
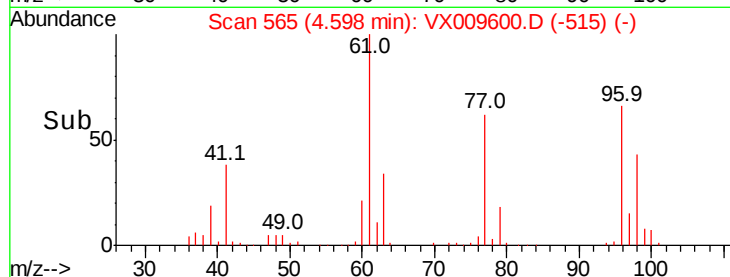
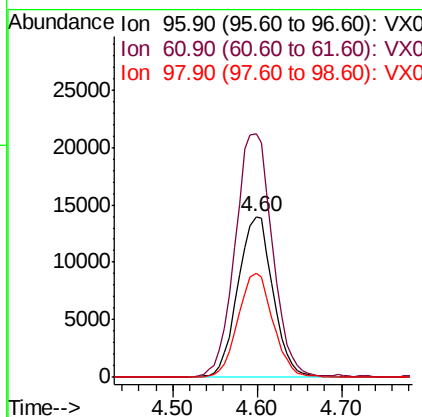
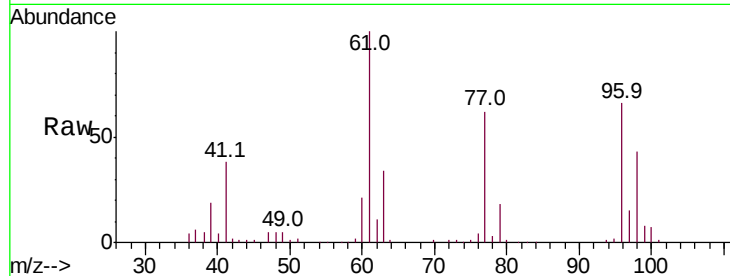
cis-1,2-Dichloroethene
Concen: 19.701 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX009600.D
Acq: 16 May 2019 12:27

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	39485		
61	161.1	0.0	324.0	
98	64.7	0.0	130.4	

Manual Integrations
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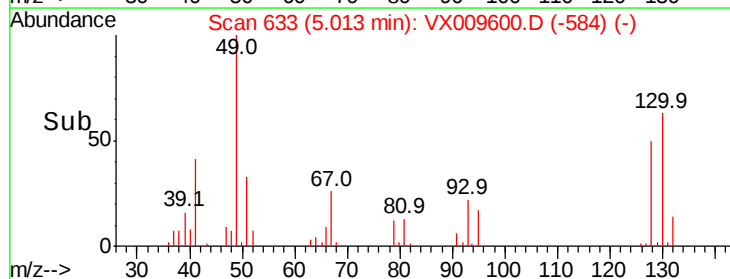
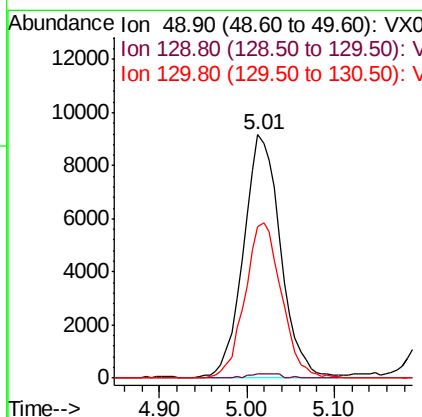
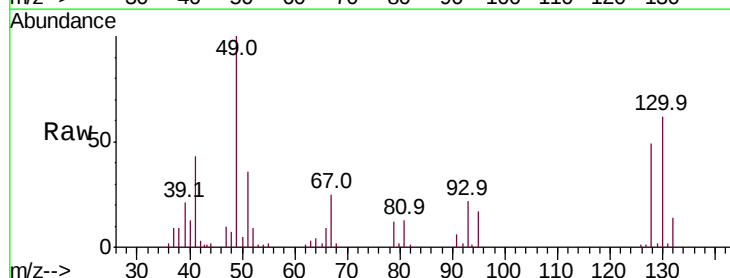
MMDadoda
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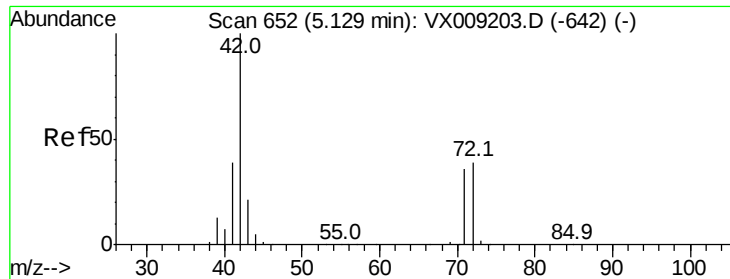


#28

Bromochloromethane
Concen: 17.043 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX009600.D
Acq: 16 May 2019 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	27162		
129	1.5	0.0	3.8	
130	62.9	51.2	76.8	





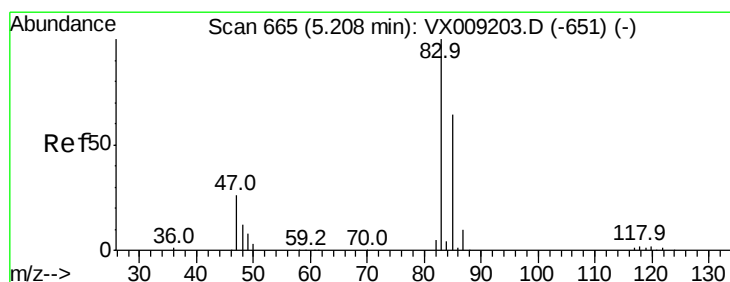
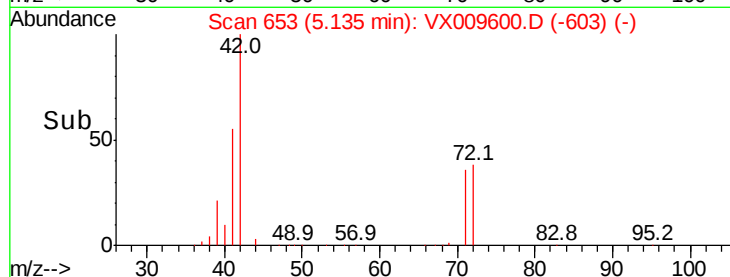
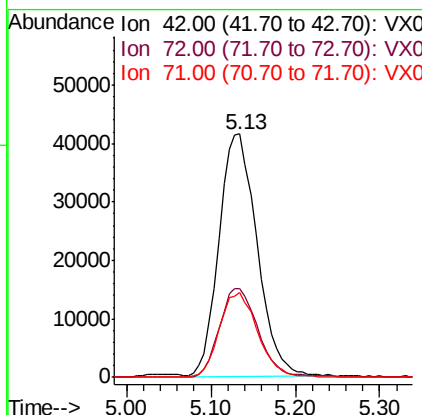
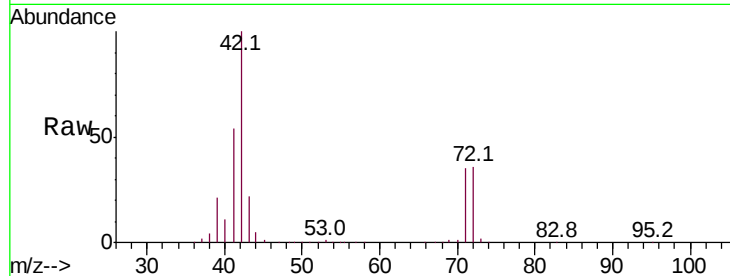
#29
Tetrahydrofuran
Concen: 105.515 ug/l
RT: 5.13 min Scan# 653
Delta R.T. 0.01 min
Lab File: VX009600.D
Acq: 16 May 2019 12:27

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

Tot Ion	Ratio	Resp	Lower	Upper
42	100			
72	37.6		30.4	45.6
71	35.4		28.6	43.0

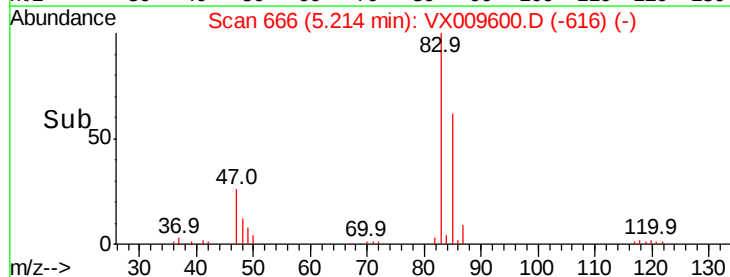
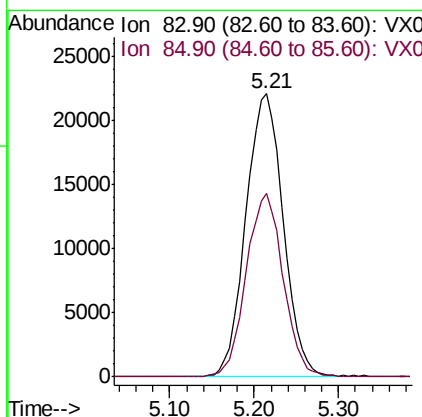
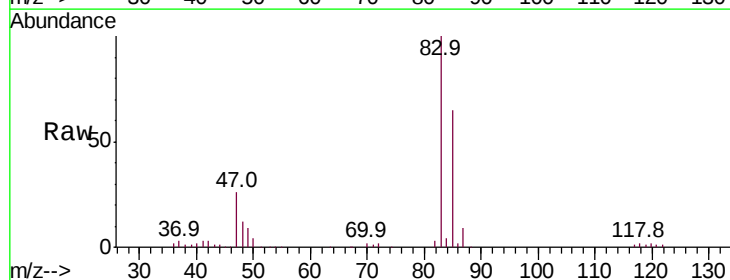
Manual Integrations
APPROVED

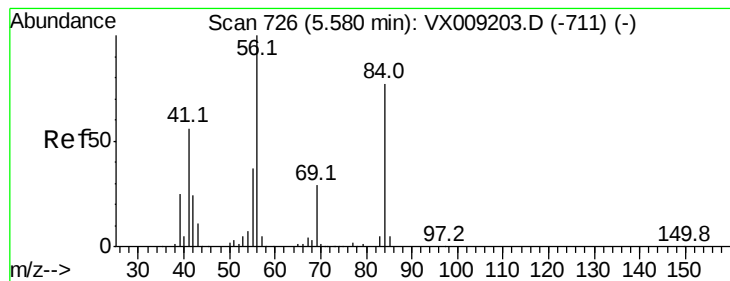
MMDadoda
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#30
Chloroform
Concen: 20.576 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX009600.D
Acq: 16 May 2019 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
83	100			
85	64.8		51.5	77.3





#31

Cyclohexane

Concen: 19.683 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX009600.D

Acq: 16 May 2019 12:27

Instrument :

MSVOA_X

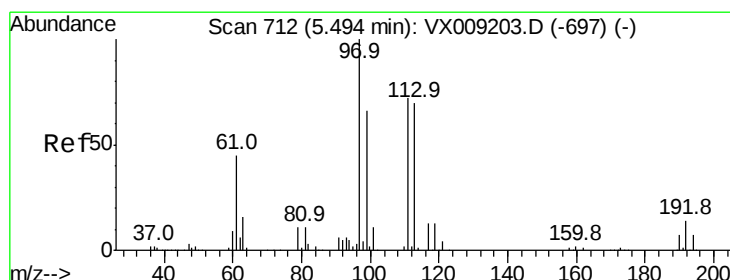
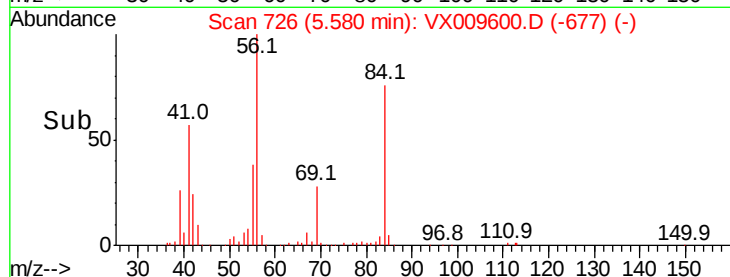
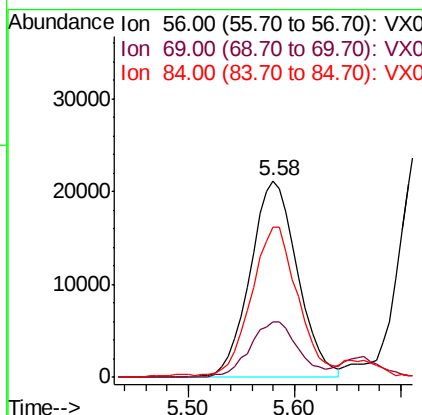
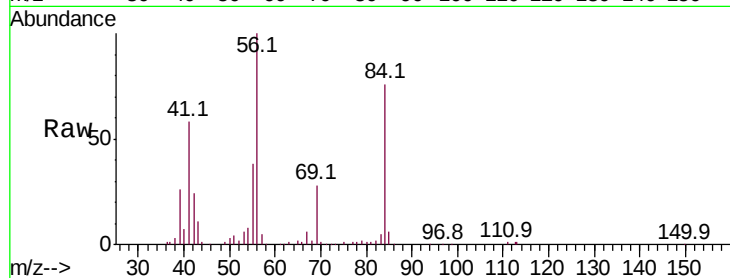
ClientSampleId :

VX0516WBS01

Tot Ion:	56	Resp:	65553
Ion	Ratio	Lower	Upper
56	100		
69	28.5	23.4	35.0
84	74.6	61.9	92.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.992 ug/l

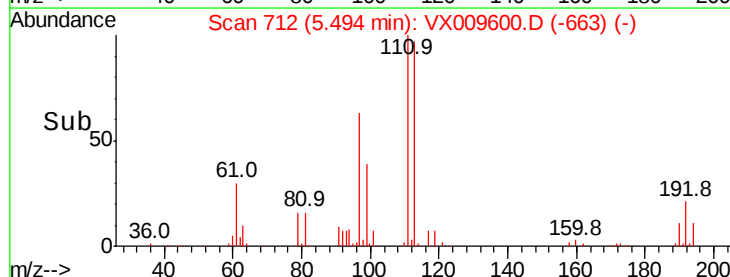
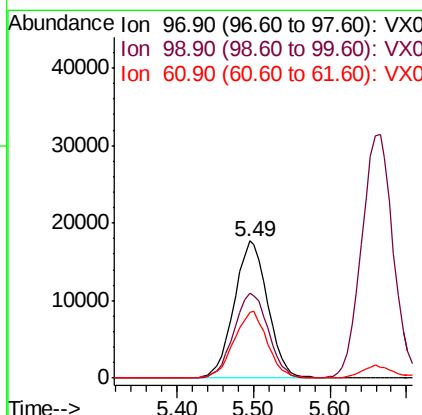
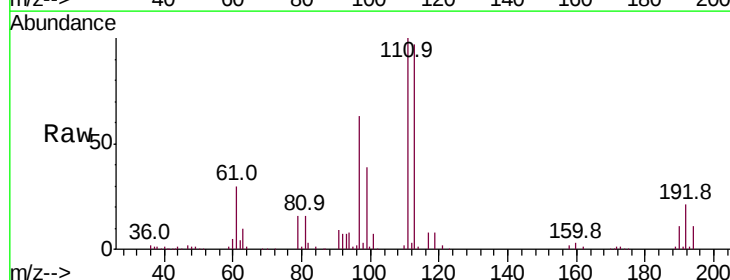
RT: 5.49 min Scan# 712

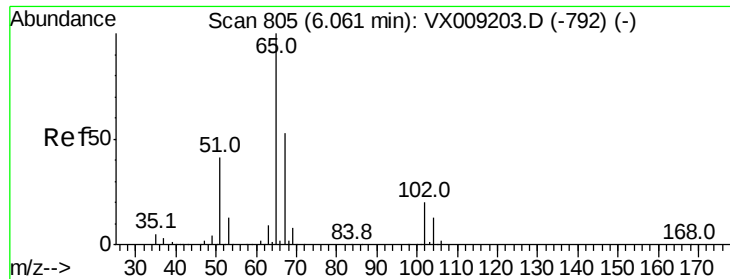
Delta R.T. -0.00 min

Lab File: VX009600.D

Acq: 16 May 2019 12:27

Tgt Ion:	97	Resp:	53880
Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.8	77.8
61	48.7	37.8	56.8





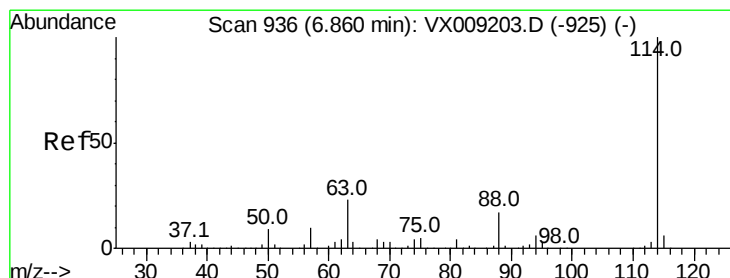
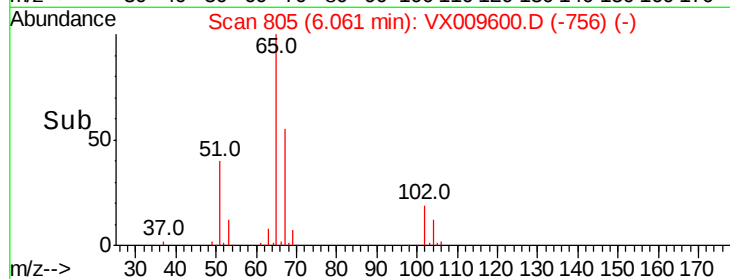
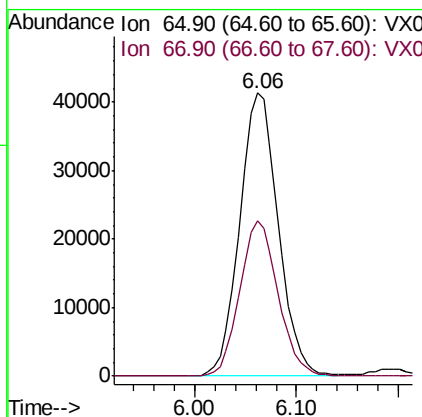
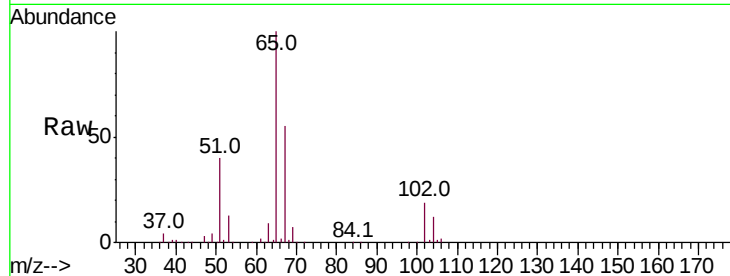
#33
 1,2-Dichloroethane-d4
 Concen: 48.161 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009600.D
 Acq: 16 May 2019 12:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0516WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.6	0.0	106.6	

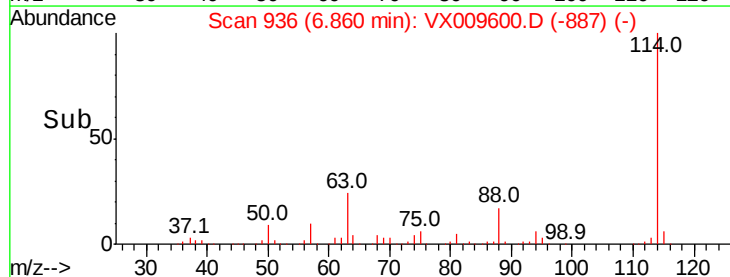
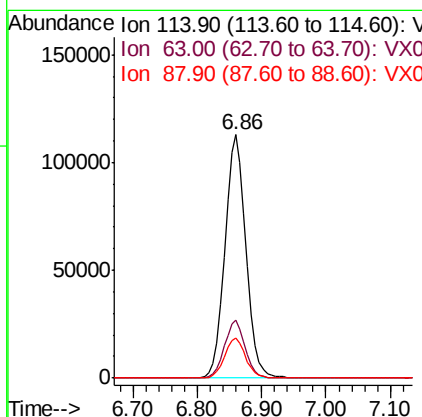
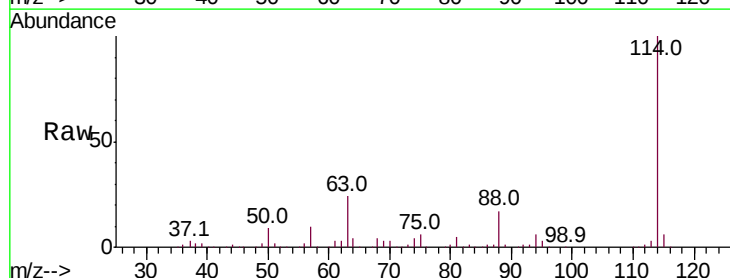
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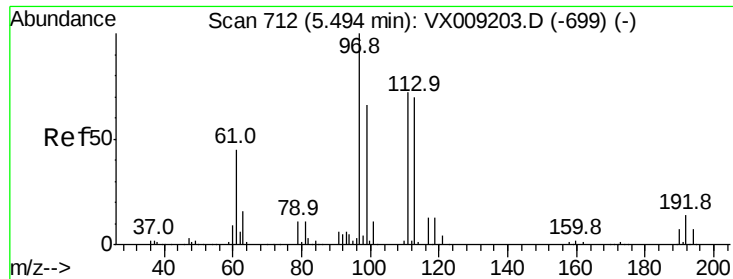
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009600.D
 Acq: 16 May 2019 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	23.7	0.0	45.6	
88	16.5	0.0	33.2	





#35

Dibromofluoromethane

Concen: 49.374 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009600.D

Acq: 16 May 2019 12:27

Instrument :

MSVOA_X

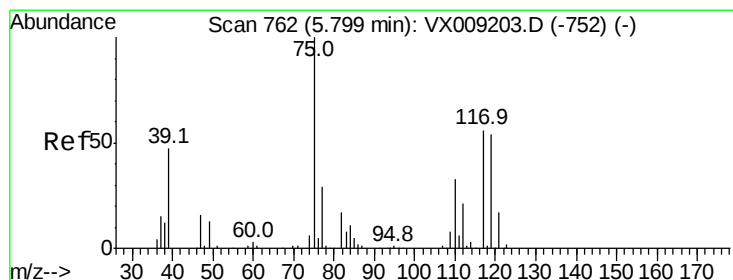
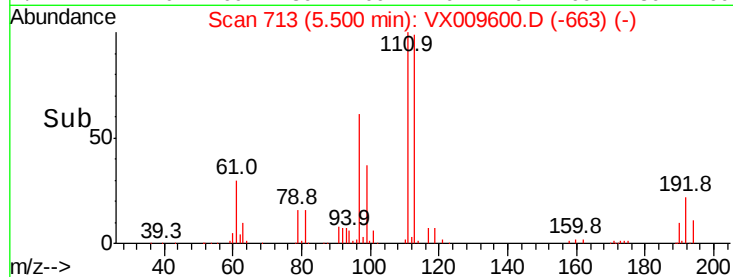
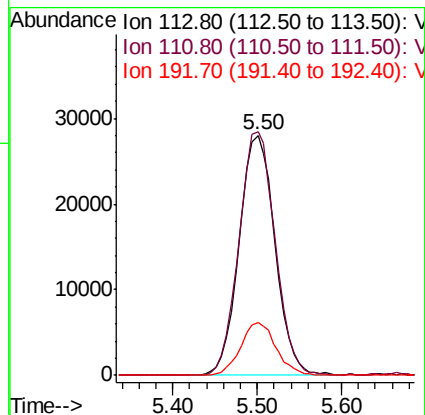
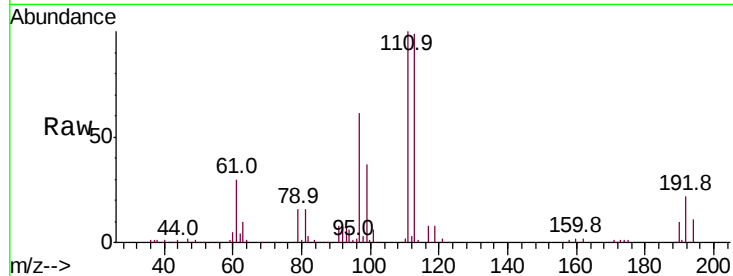
ClientSampleId :

VX0516WBS01

Tot Ion:	113	Resp:	80741
Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.8	124.2
192	21.7	17.0	25.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 20.073 ug/l

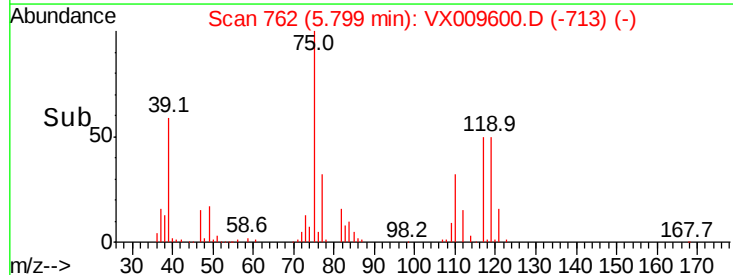
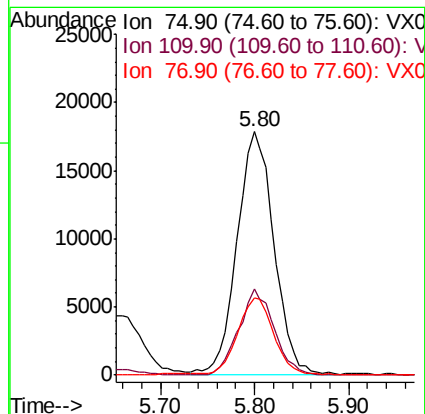
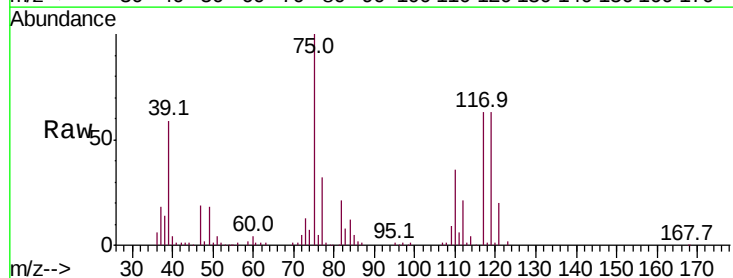
RT: 5.80 min Scan# 762

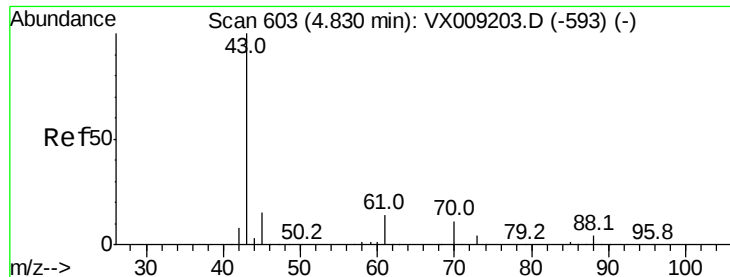
Delta R.T. -0.00 min

Lab File: VX009600.D

Acq: 16 May 2019 12:27

Tgt Ion:	75	Resp:	48526
Ion	Ratio	Lower	Upper
75	100		
110	34.2	16.9	50.6
77	31.7	24.8	37.2





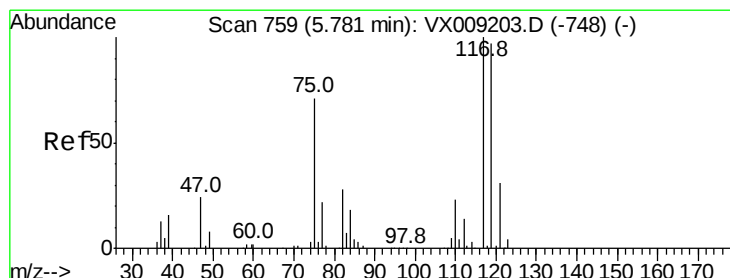
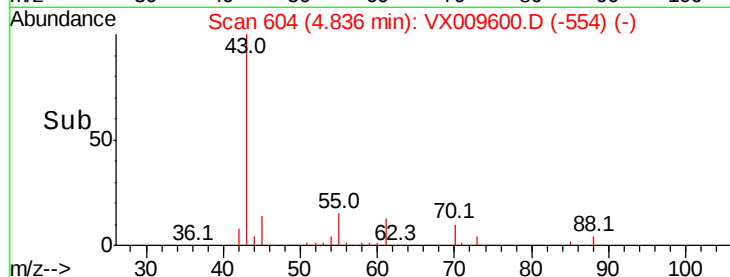
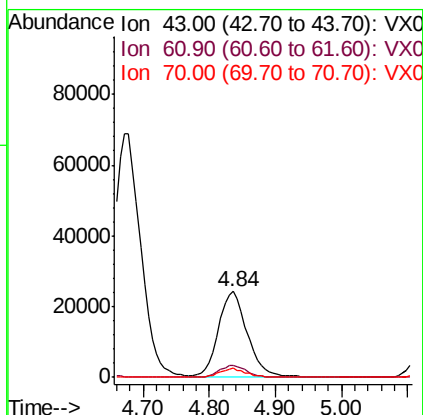
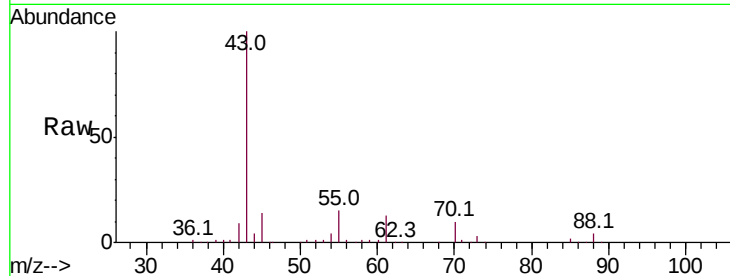
#37
Ethyl Acetate
Concen: 21.550 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX009600.D
Acq: 16 May 2019 12:27

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.5	15.7
70	9.4	7.9	11.9

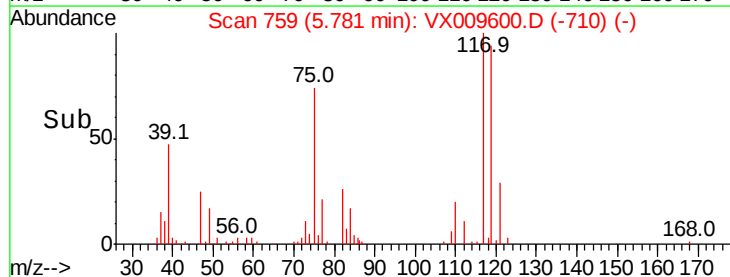
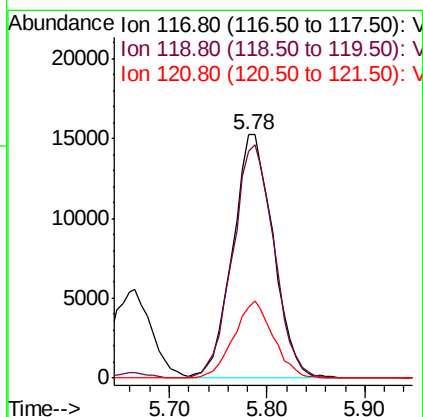
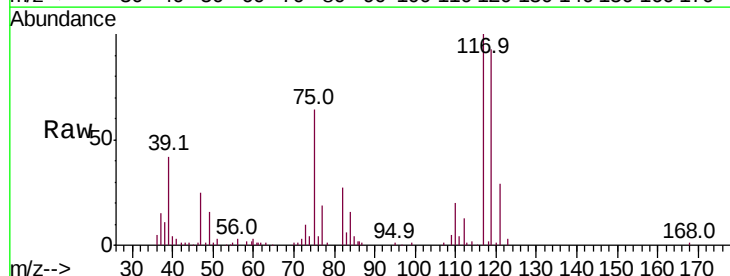
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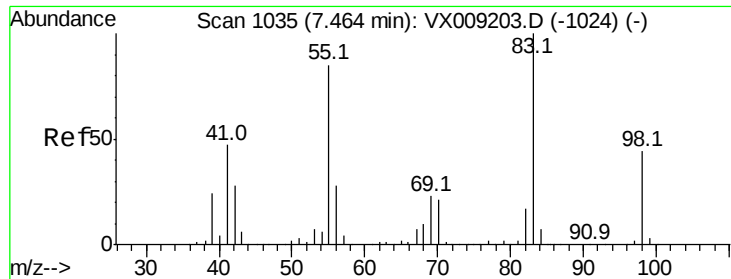
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#38
Carbon Tetrachloride
Concen: 20.074 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX009600.D
Acq: 16 May 2019 12:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.4	77.5	116.3
121	29.1	24.7	37.1





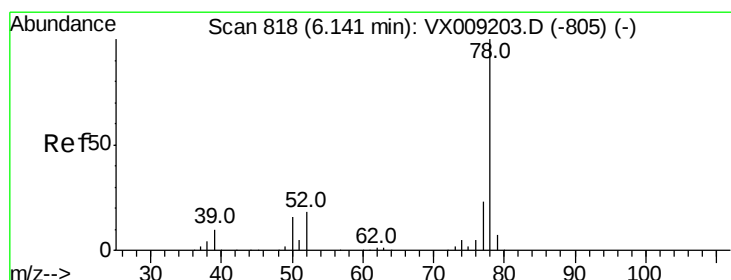
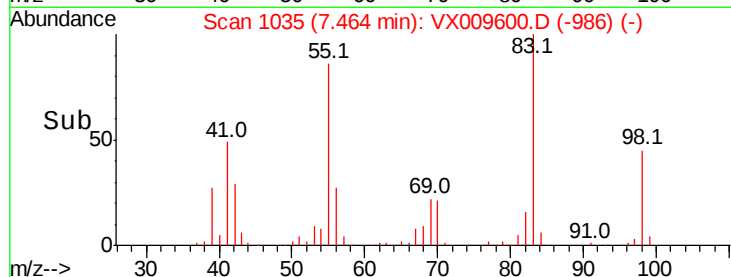
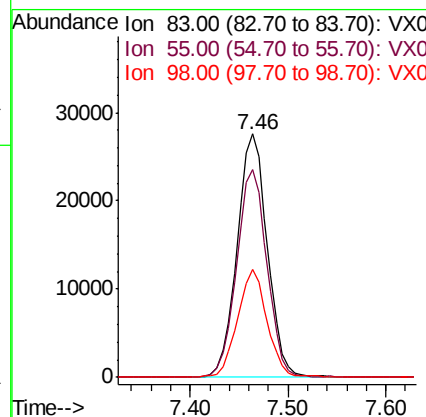
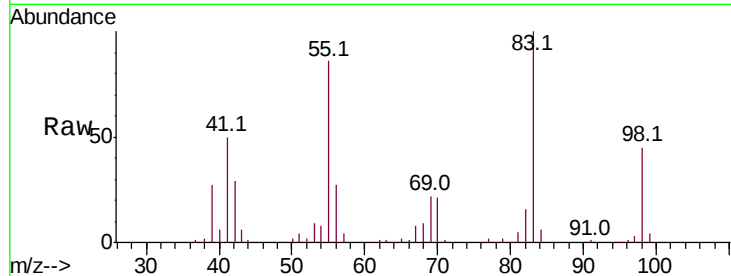
#39
Methvlcvclohexane
Concen: 19.908 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX009600.D
Acq: 16 May 2019 12:27

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.5	67.7	101.5
98	44.5	35.5	53.3

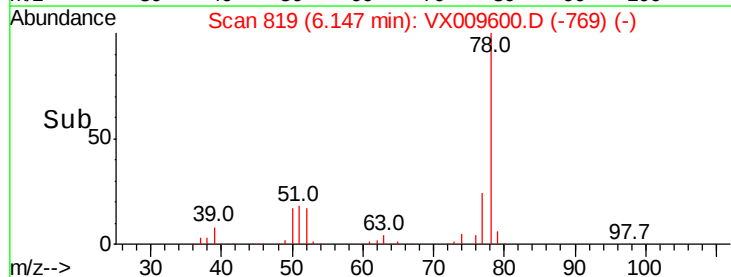
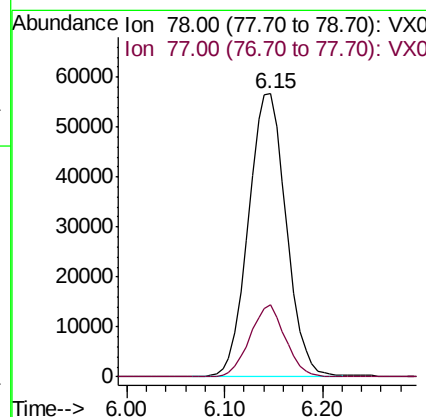
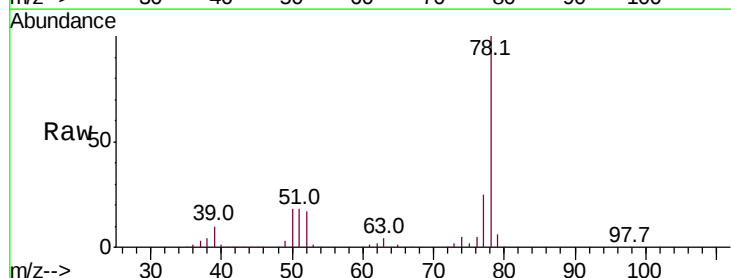
Manual Integrations
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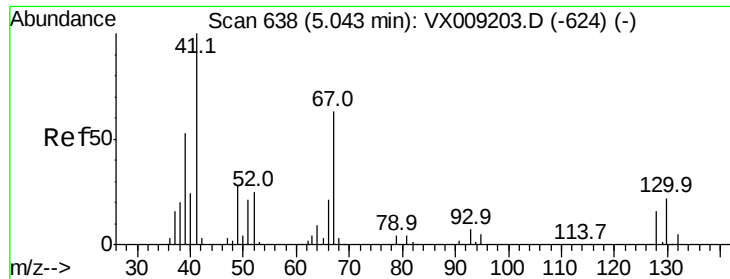
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#40
Benzene
Concen: 20.402 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX009600.D
Acq: 16 May 2019 12:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.3	18.8	28.2





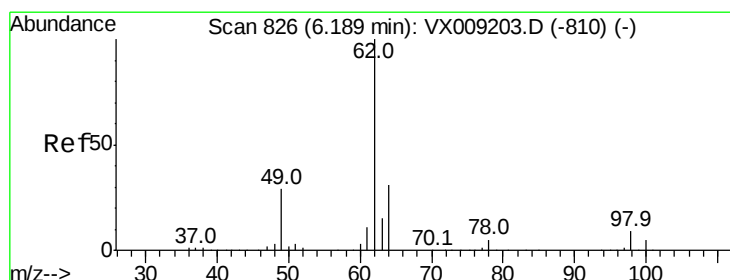
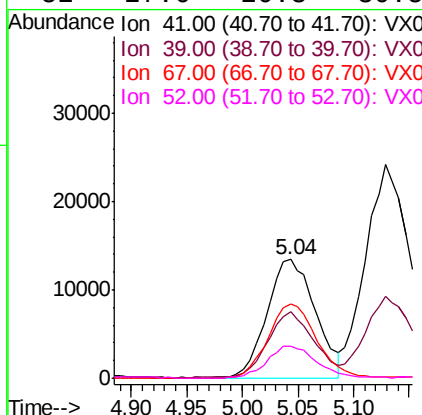
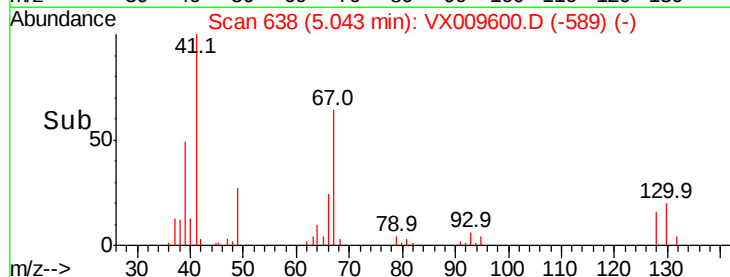
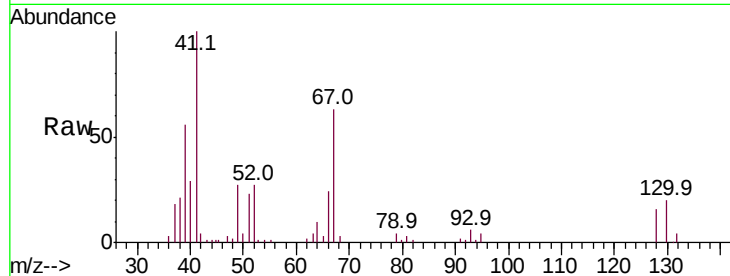
#41
Methacrylonitrile
Concen: 20.356 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX009600.D
Acq: 16 May 2019 12:27

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.2	42.0	63.0	
67	63.5	49.8	74.8	
52	27.6	20.3	30.5	

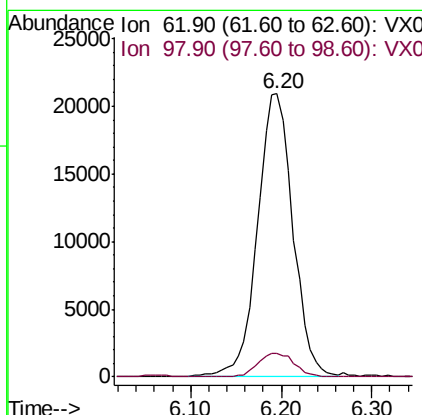
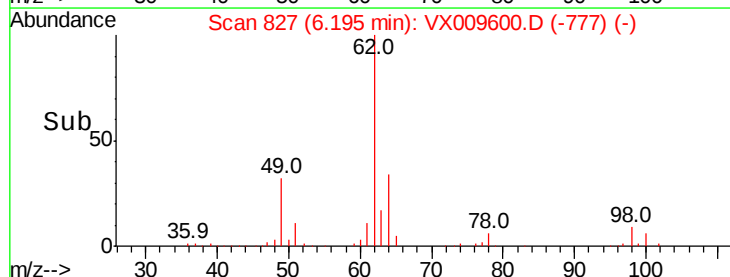
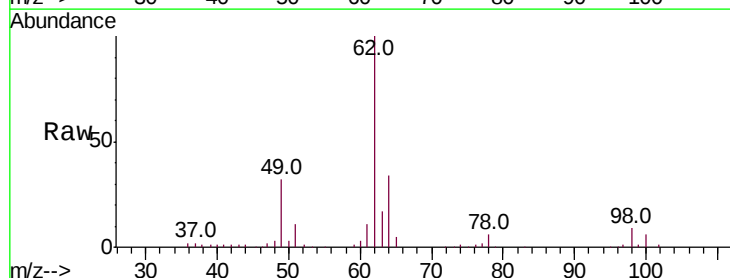
Manual Integrations
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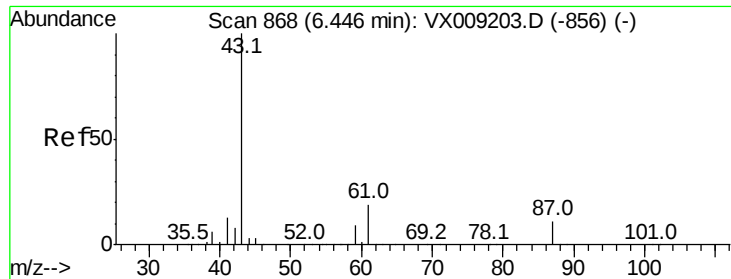
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#42
1,2-Dichloroethane
Concen: 21.085 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.01 min
Lab File: VX009600.D
Acq: 16 May 2019 12:27

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.7	0.0	18.2	





#43

Isopropyl Acetate

Concen: 20.657 ug/l

RT: 6.45 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX009600.D

Acq: 16 May 2019 12:27

Instrument :

MSVOA_X

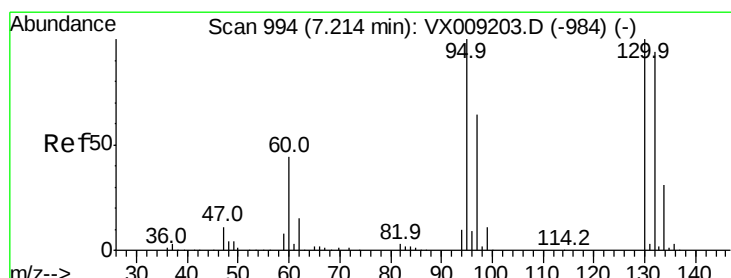
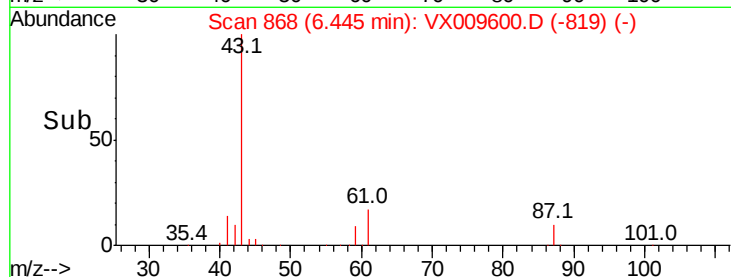
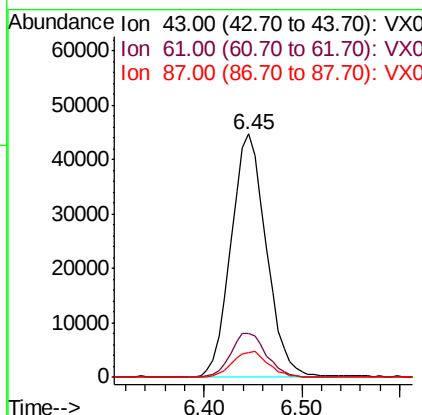
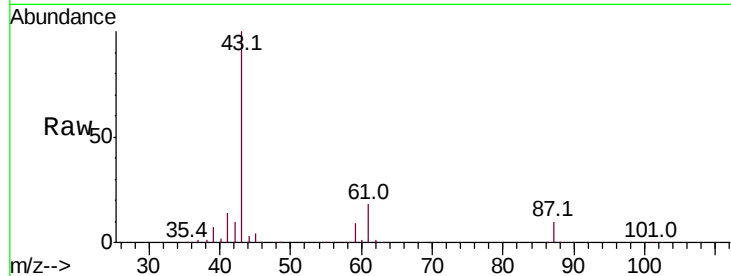
ClientSampleId :

VX0516WBS01

Tot Ion:	43	Resp:	111293
Ion	Ratio	Lower	Upper
43	100		
61	18.7	15.1	22.7
87	11.1	9.0	13.6

Manual Integrations
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#44

Trichloroethene

Concen: 19.999 ug/l

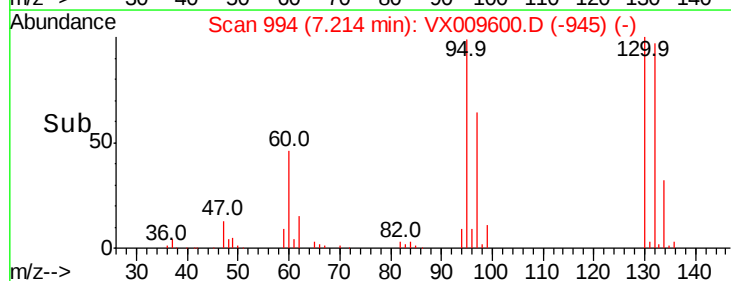
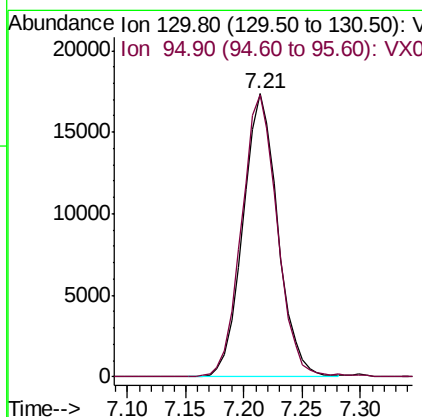
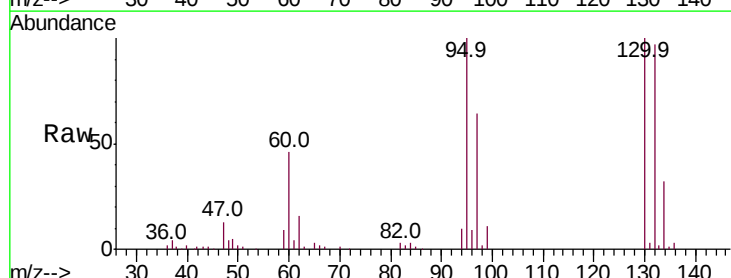
RT: 7.21 min Scan# 994

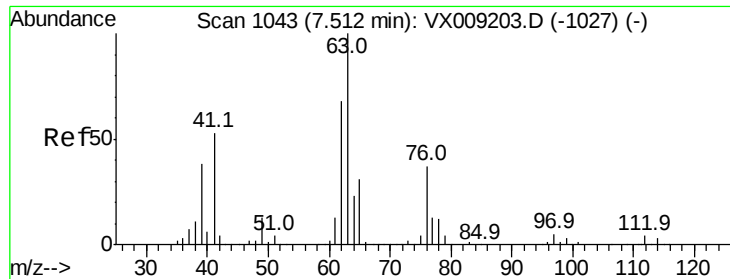
Delta R.T. -0.00 min

Lab File: VX009600.D

Acq: 16 May 2019 12:27

Tgt Ion:	130	Resp:	36173
Ion	Ratio	Lower	Upper
130	100		
95	99.9	0.0	199.2





#45

1,2-Dichloropropane

Concen: 20.818 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX009600.D

Acq: 16 May 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBS01

Tot Ion: 63 Resp: 44102

Ion Ratio Lower Upper

63 100

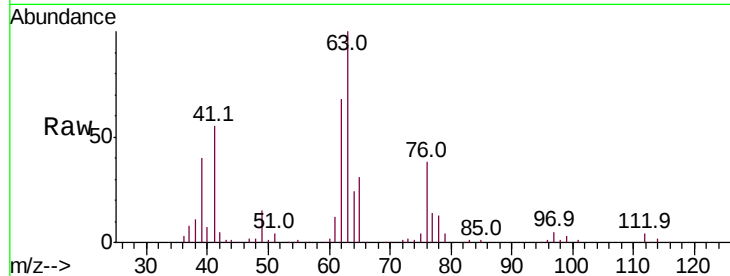
65 31.1 25.0 37.6

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

25000

20000

15000

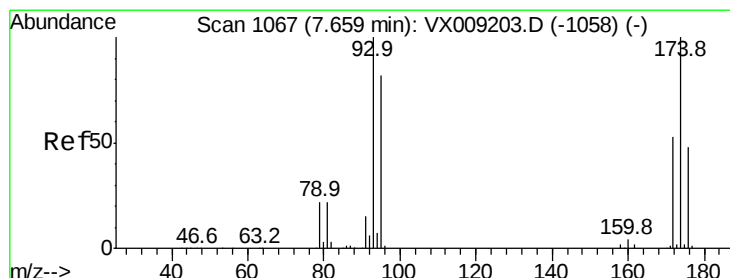
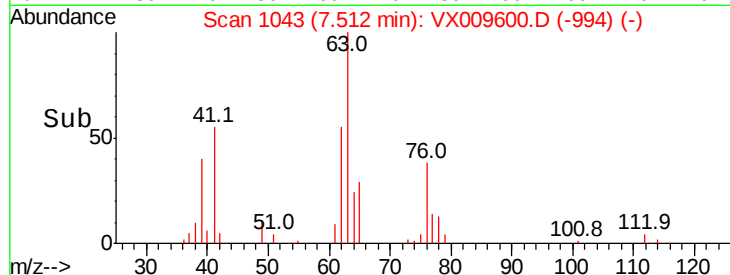
10000

5000

0

7.40 7.50 7.60

Time-->



#46

Dibromomethane

Concen: 20.350 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX009600.D

Acq: 16 May 2019 12:27

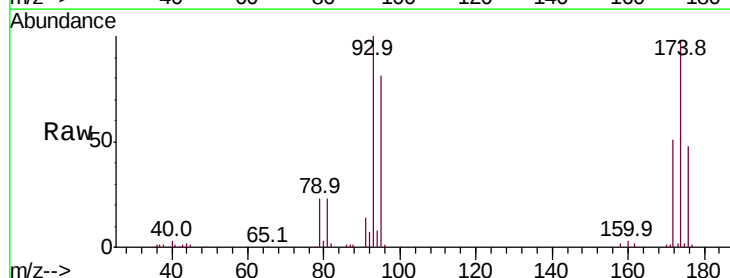
Tgt Ion: 93 Resp: 25035

Ion Ratio Lower Upper

93 100

95 83.7 66.5 99.7

174 103.9 82.1 123.1



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

15000

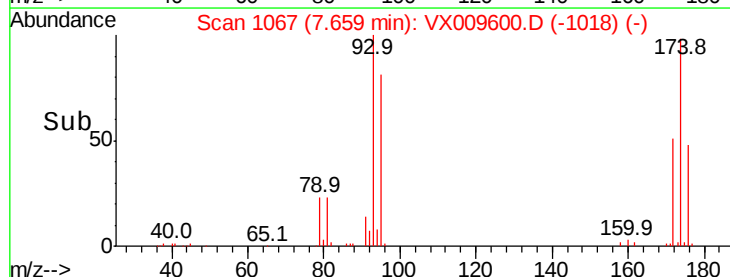
10000

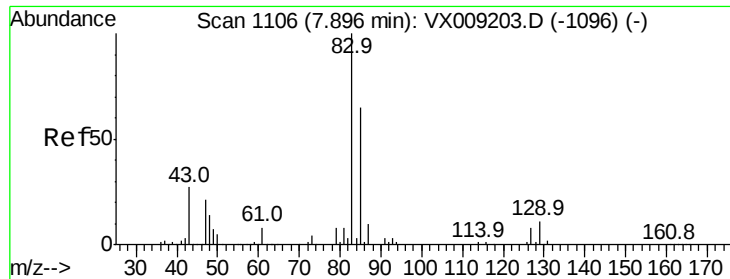
5000

0

7.55 7.60 7.65 7.70 7.75

Time-->





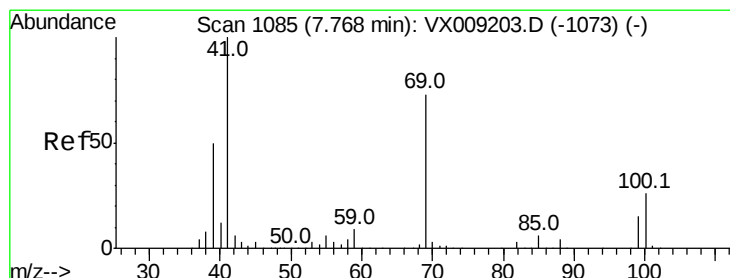
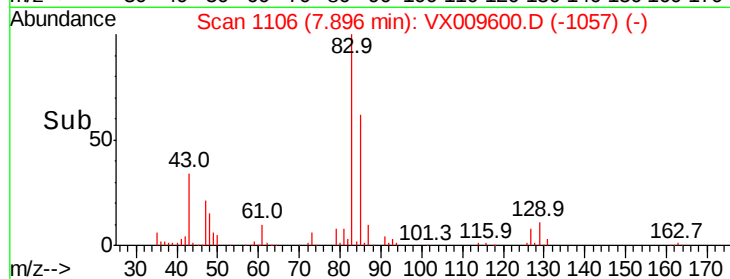
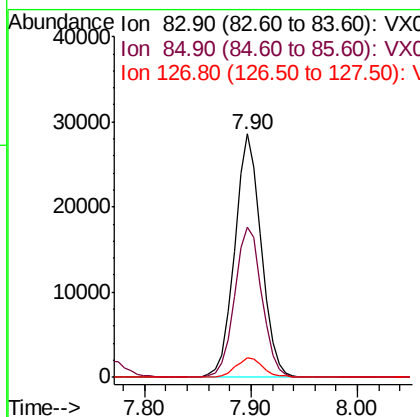
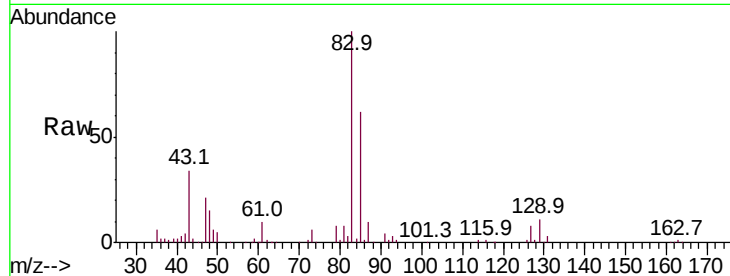
#47
 Bromodichloromethane
 Concen: 20.338 ug/l
 RT: 7.90 min Scan# 1106
 Delta R.T. -0.00 min
 Lab File: VX009600.D
 Acq: 16 May 2019 12:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0516WBS01

Tot Ion	83	Resp	49910
Ion Ratio	100	Lower	Upper
83	100		
85	61.7	52.4	78.6
127	8.2	6.6	10.0

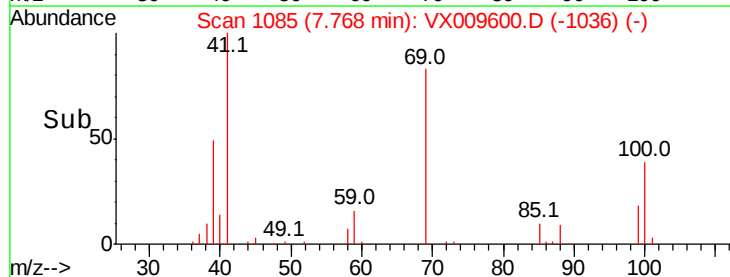
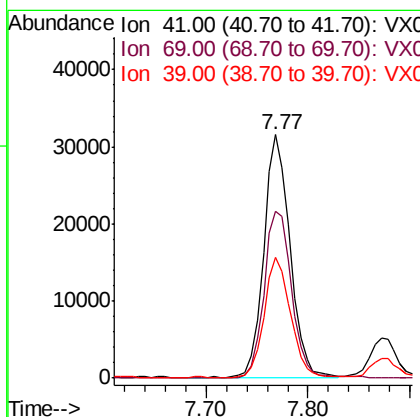
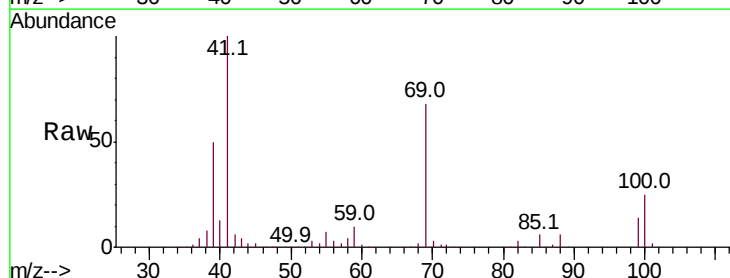
Manual Integrations
 APPROVED

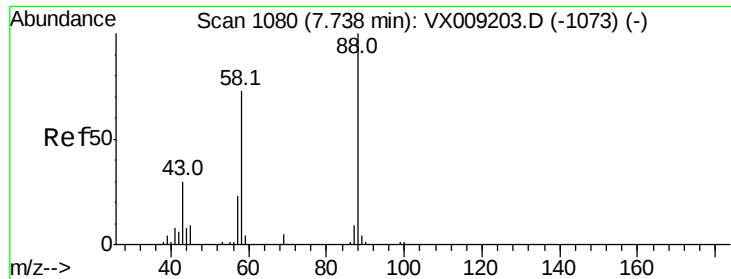
MMDadoda
 5/17/2019 1:09:01 PM



#48
 Methyl methacrylate
 Concen: 21.041 ug/l
 RT: 7.77 min Scan# 1085
 Delta R.T. -0.00 min
 Lab File: VX009600.D
 Acq: 16 May 2019 12:27

Tgt Ion	41	Resp	56241
Ion Ratio	100	Lower	Upper
41	100		
69	72.0	59.1	88.7
39	49.9	40.4	60.6





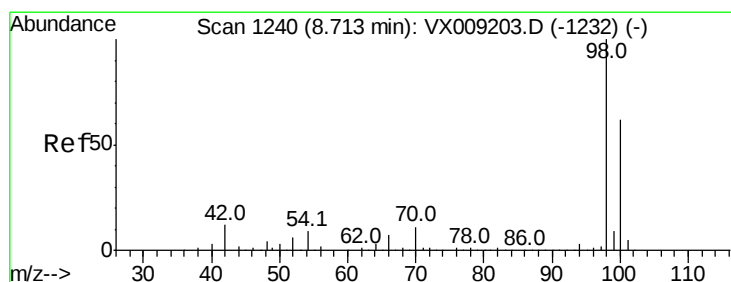
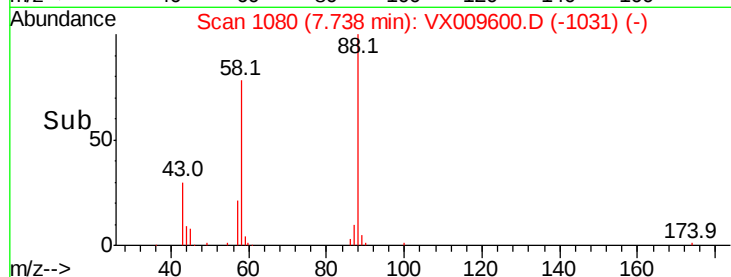
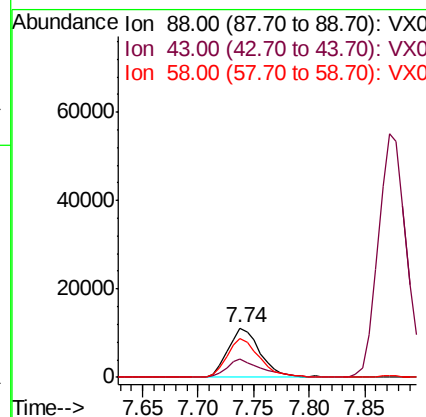
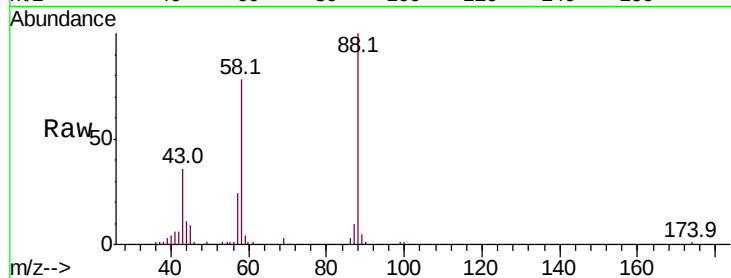
#49
1,4-Dioxane
Concen: 413.284 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX009600.D
Acq: 16 May 2019 12:27

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.3	28.6	42.8
58	80.1	61.7	92.5

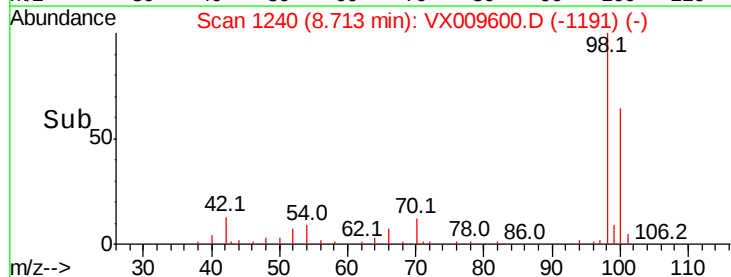
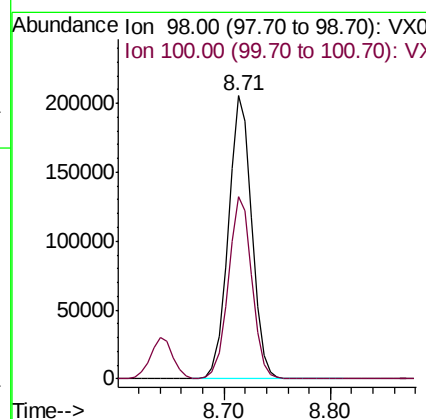
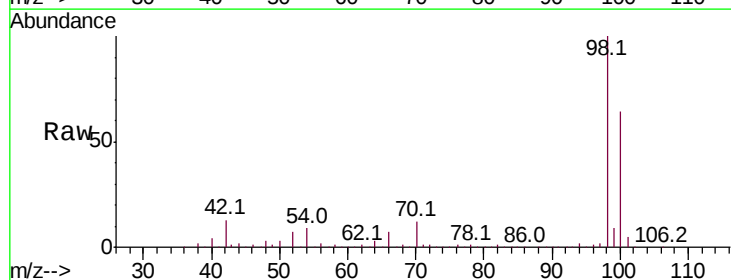
Manual Integrations
APPROVED

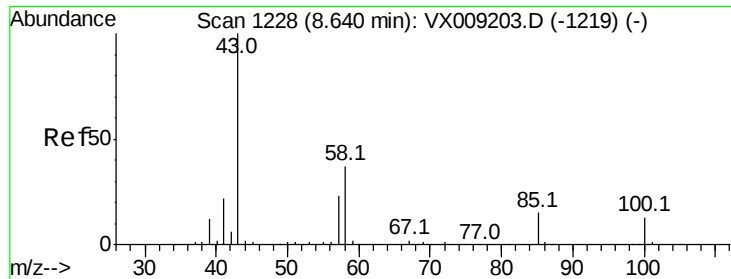
MMDadoda
5/17/2019 1:09:01 PM



#50
Toluene-d8
Concen: 47.847 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009600.D
Acq: 16 May 2019 12:27

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 107.249 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX009600.D

Acq: 16 May 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBS01

Tot Ion: 43 Resp: 377679

Ion Ratio Lower Upper

43 100

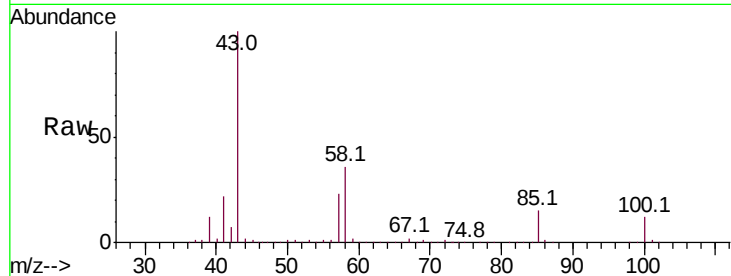
58 36.6 29.5 44.3

Manual Integrations

APPROVED

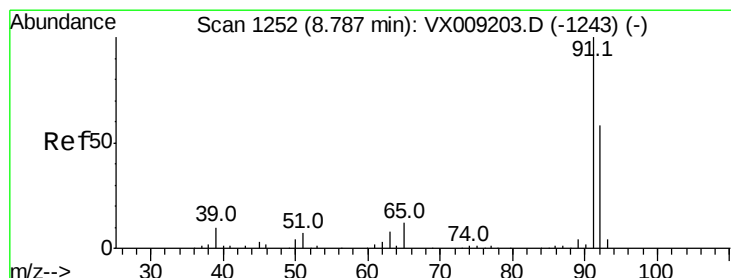
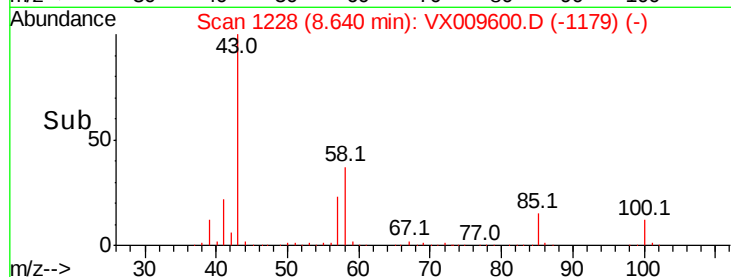
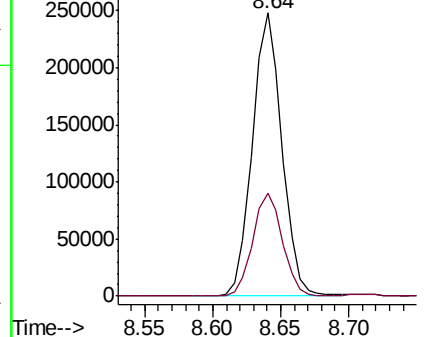
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 20.473 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX009600.D

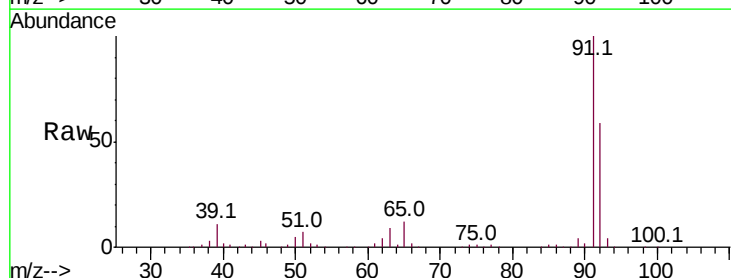
Acq: 16 May 2019 12:27

Tgt Ion: 92 Resp: 93109

Ion Ratio Lower Upper

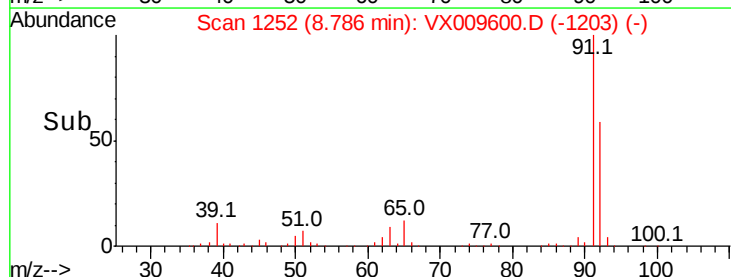
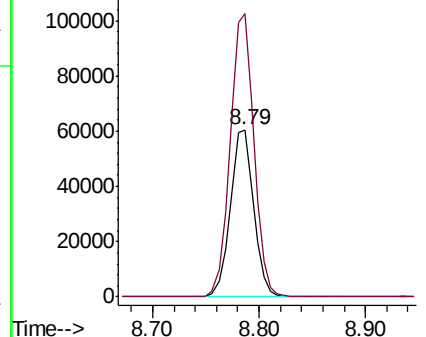
92 100

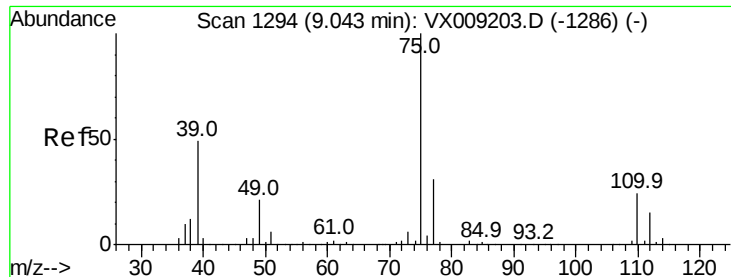
91 172.3 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 20.030 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX009600.D

Acq: 16 May 2019 12:27

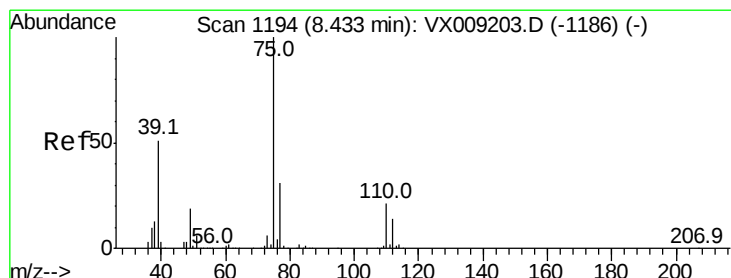
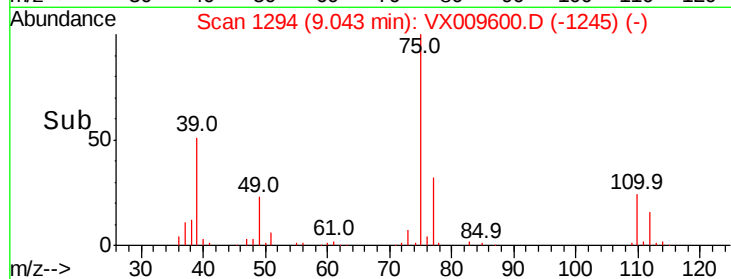
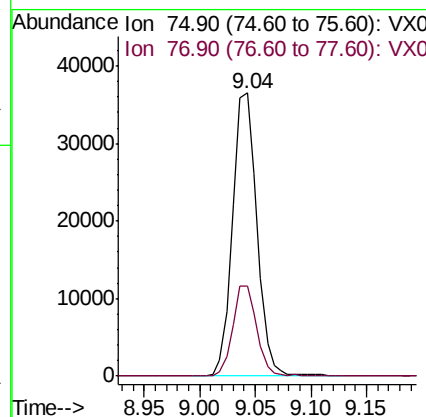
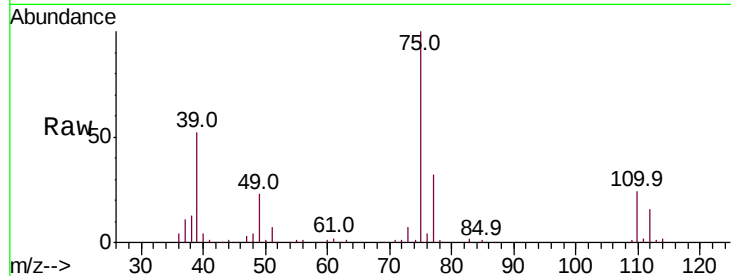
Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

Tot Ion: 75 Resp: 55495

Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.0	37.6

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 20.218 ug/l

RT: 8.43 min Scan# 1194

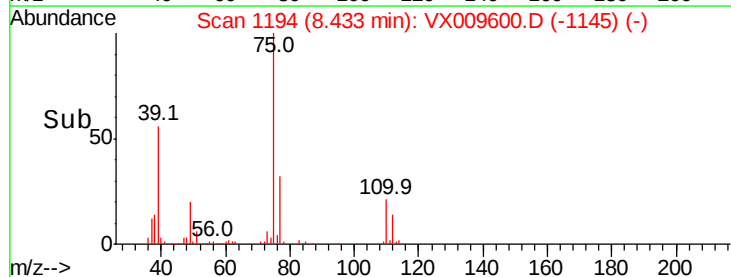
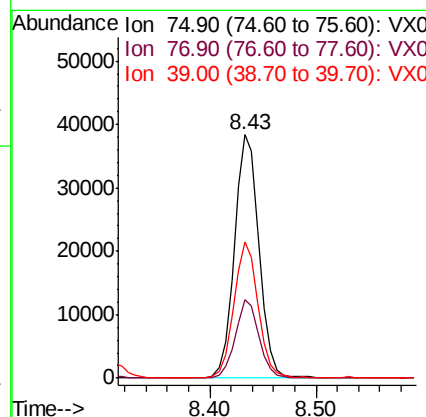
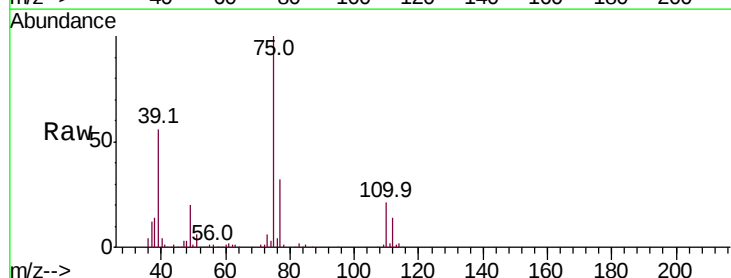
Delta R.T. -0.00 min

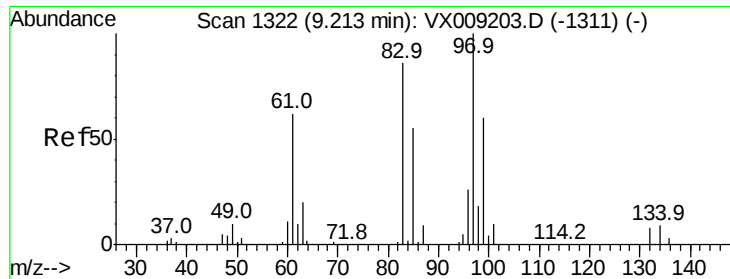
Lab File: VX009600.D

Acq: 16 May 2019 12:27

Tgt Ion: 75 Resp: 61999

Ion	Ratio	Lower	Upper
75	100		
77	32.3	24.6	36.8
39	55.8	40.6	60.8





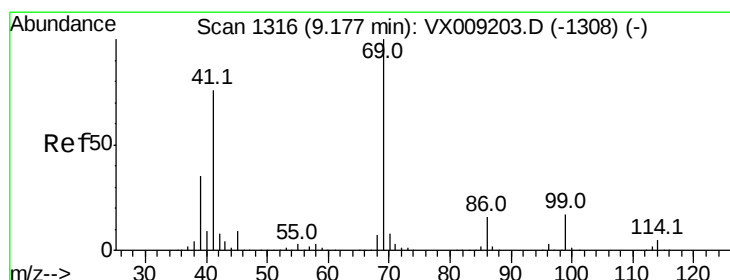
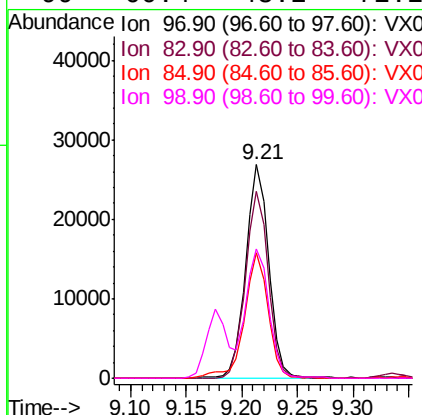
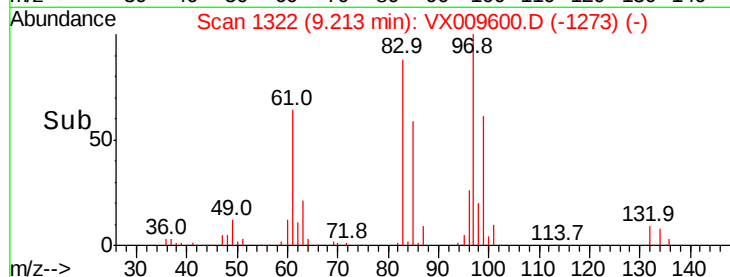
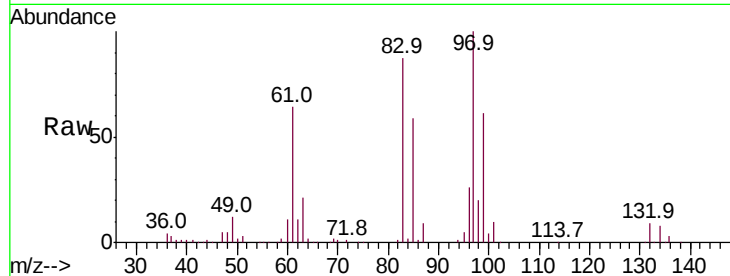
#55
1,1,2-Trichloroethane
Concen: 20.880 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. -0.00 min
Lab File: VX009600.D
Acq: 16 May 2019 12:27

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

Tot Ion	97	Resp	38740
Ion Ratio	Lower	Upper	
97	100		
83	87.4	68.9	103.3
85	58.6	43.8	65.6
99	60.4	48.2	72.2

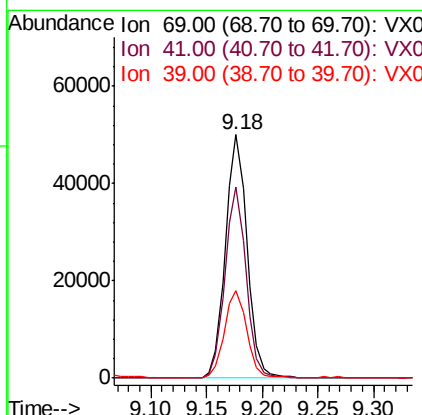
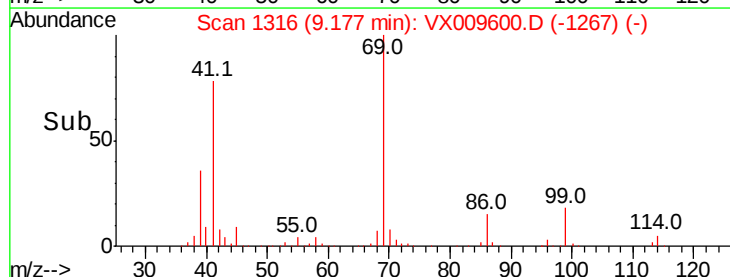
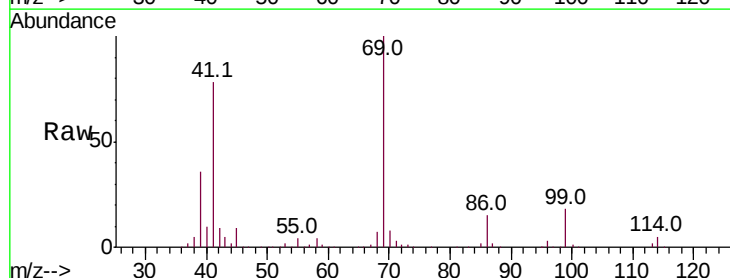
Manual Integrations
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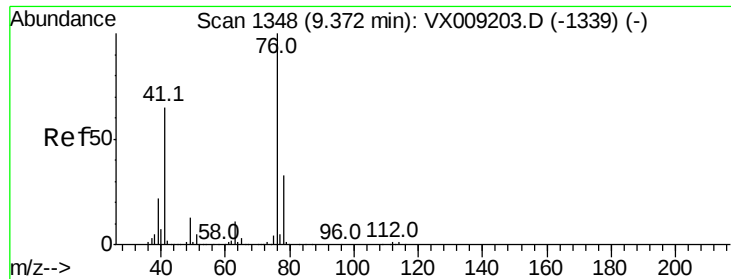
MMDadoda
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#56
Ethyl methacrylate
Concen: 20.462 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VX009600.D
Acq: 16 May 2019 12:27

Tgt Ion	69	Resp	67770
Ion Ratio	Lower	Upper	
69	100		
41	76.7	60.6	90.8
39	36.1	28.2	42.4





#57

1,3-Dichloropropane

Concen: 20.655 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX009600.D

Acq: 16 May 2019 12:27

Instrument :

MSVOA_X

ClientSampled :

VX0516WBS01

Tot Ion: 76 Resp: 67439

Ion Ratio Lower Upper

76 100

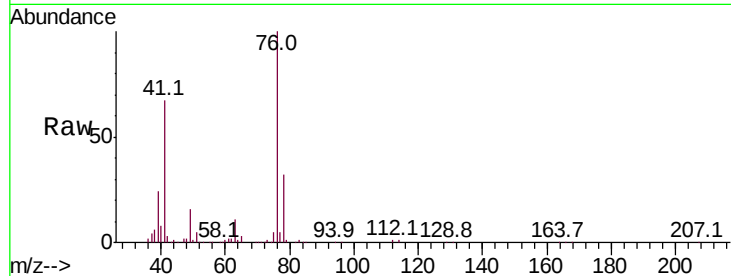
78 32.2 25.5 38.3

Manual Integrations

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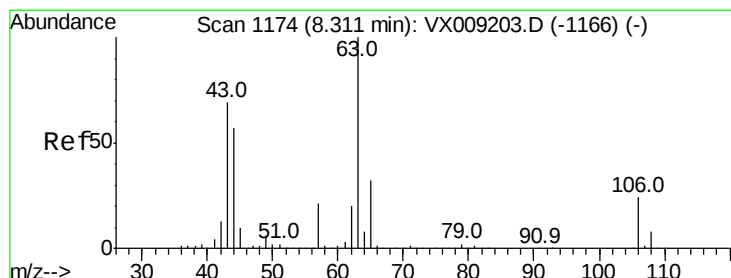
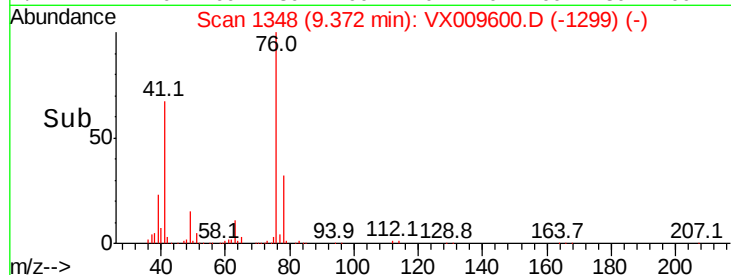
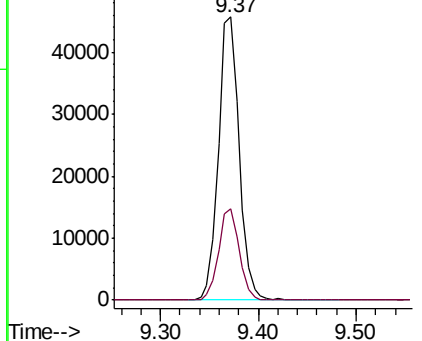
MMDadoda

5/17/2019 1:09:01 PM



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: 90.648 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX009600.D

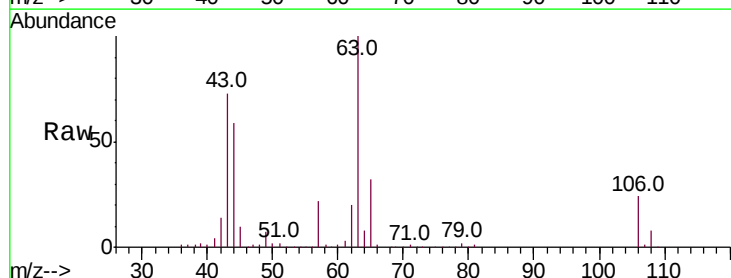
Acq: 16 May 2019 12:27

Tgt Ion: 63 Resp: 159270

Ion Ratio Lower Upper

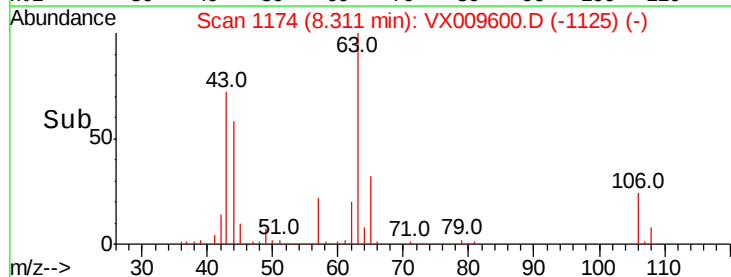
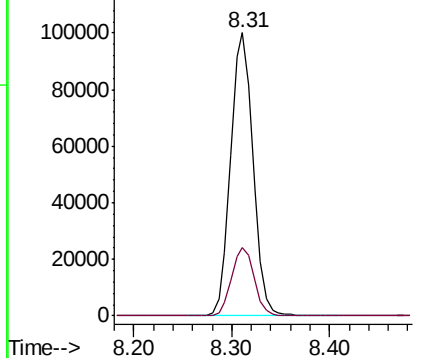
63 100

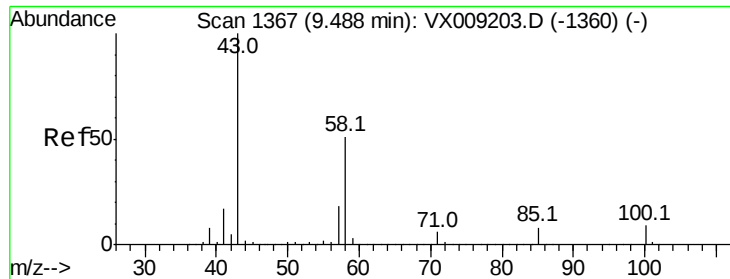
106 24.3 19.7 29.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





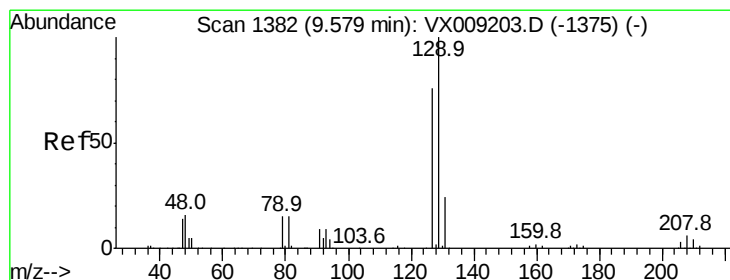
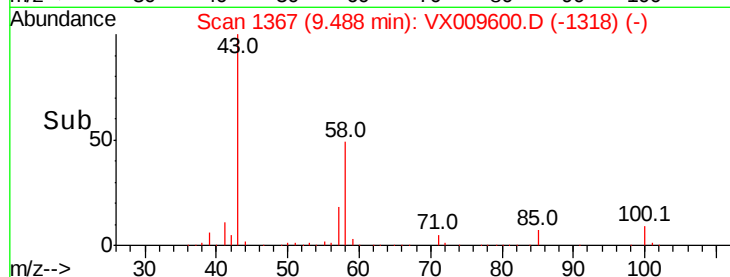
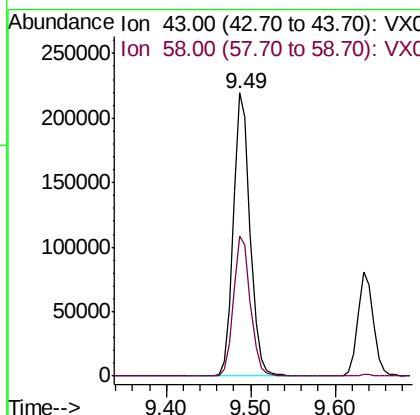
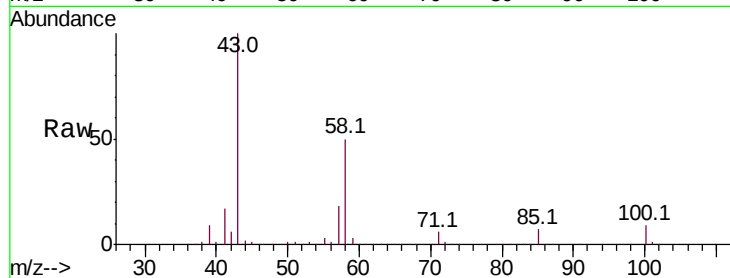
#59
2-Hexanone
Concen: 106.894 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX009600.D
Acq: 16 May 2019 12:27

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

Tot Ion: 43 Resp: 295641
Ion Ratio Lower Upper
43 100
58 50.1 25.9 77.7

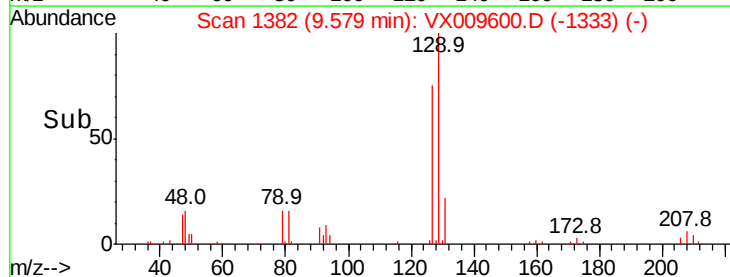
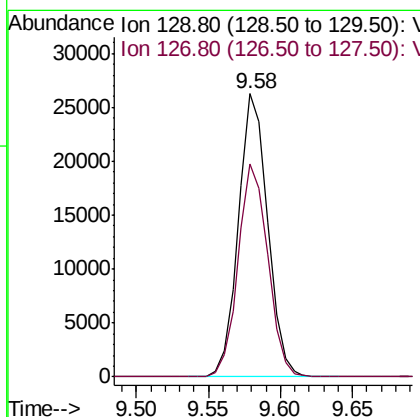
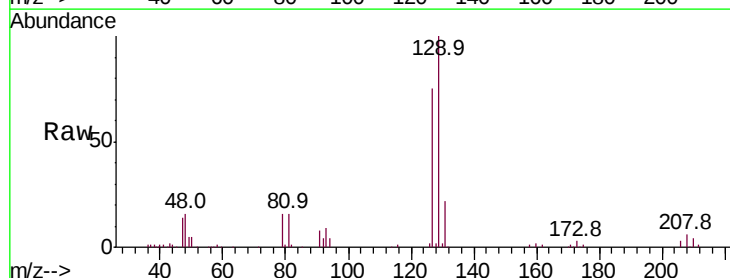
Manual Integrations
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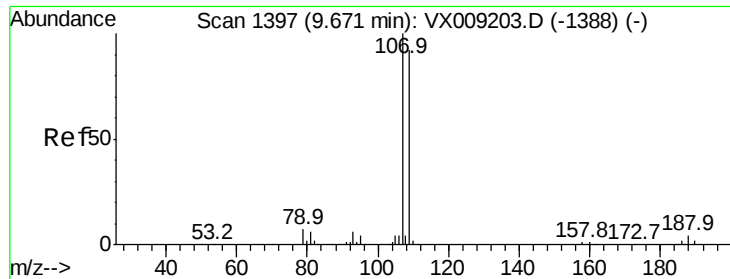
MMDadoda
5/17/2019 1:09:01 PM



#60
Dibromochloromethane
Concen: 20.480 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX009600.D
Acq: 16 May 2019 12:27

Tgt Ion:129 Resp: 37112
Ion Ratio Lower Upper
129 100
127 76.2 38.4 115.1





#61

1,2-Dibromoethane

Concen: 20.591 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009600.D

Acq: 16 May 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBS01

Tot Ion:107 Resp: 38565

Ion Ratio Lower Upper

107 100

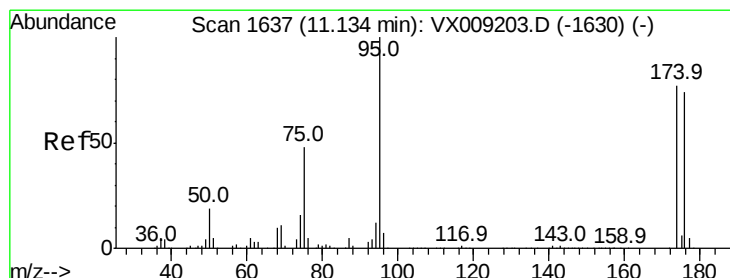
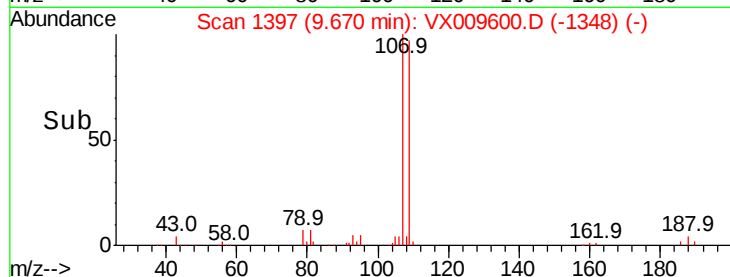
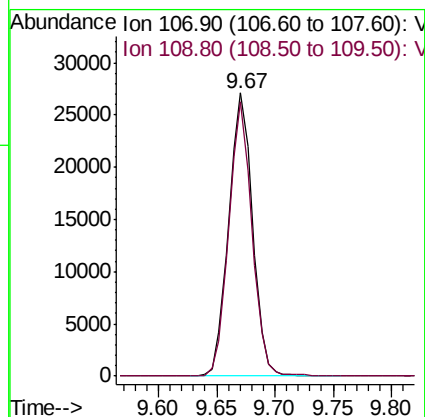
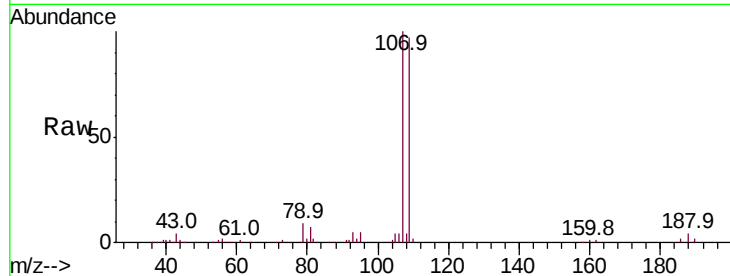
109 94.3 75.2 112.8

Manual Integrations

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MMDadoda

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#62

4-Bromofluorobenzene

Concen: 48.459 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009600.D

Acq: 16 May 2019 12:27

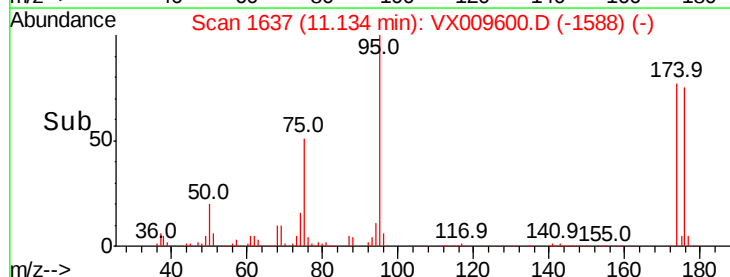
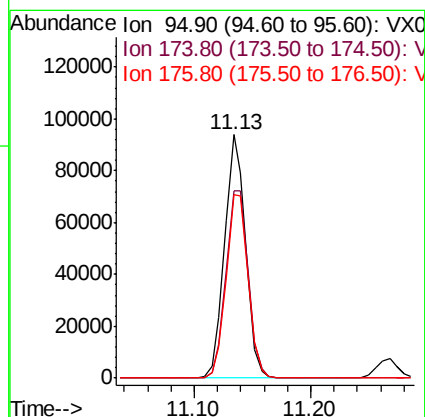
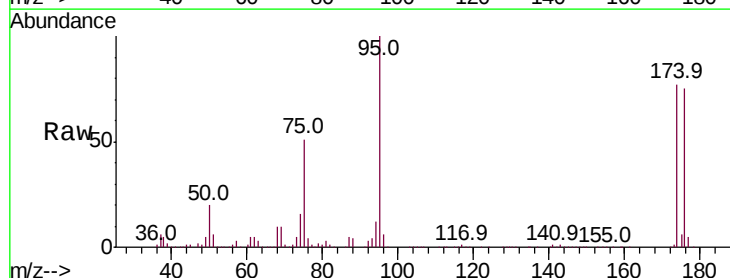
Tgt Ion: 95 Resp: 116252

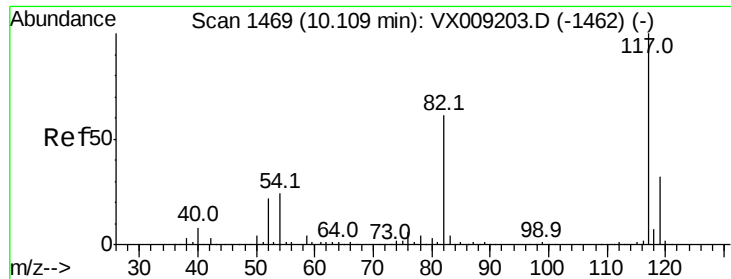
Ion Ratio Lower Upper

95 100

174 82.5 0.0 161.6

176 79.3 0.0 159.2





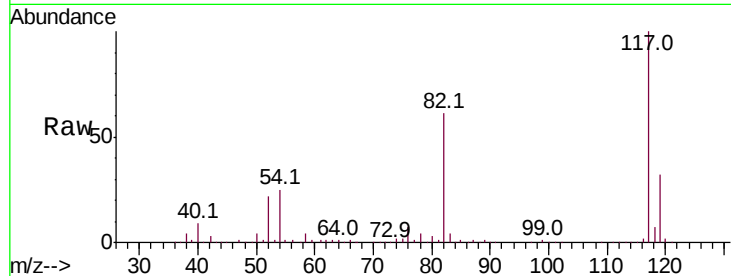
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009600.D
Acq: 16 May 2019 12:27

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	235015		
82	60.6	48.8	73.2	
119	32.3	25.8	38.6	

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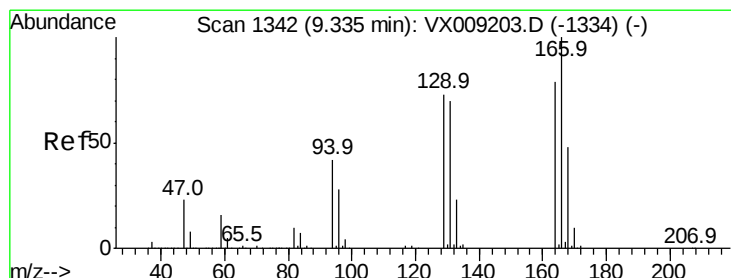
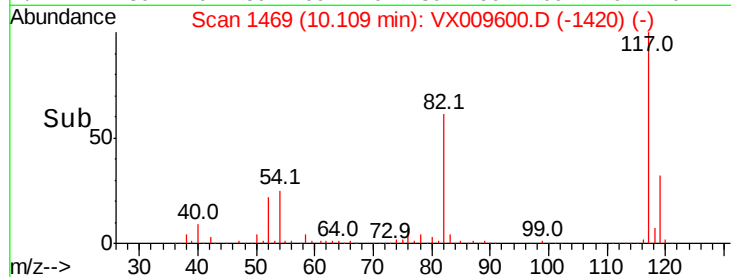
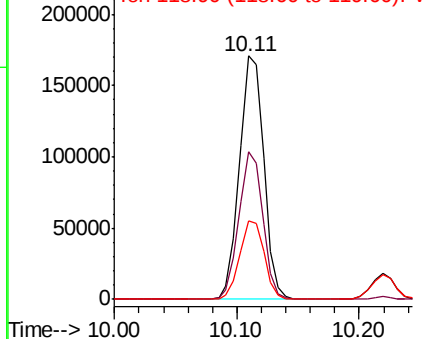


Abundance

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: 20.532 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009600.D
Acq: 16 May 2019 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	33099		
166	123.0	101.2	151.8	
129	92.9	74.3	111.5	
131	85.2	71.0	106.6	

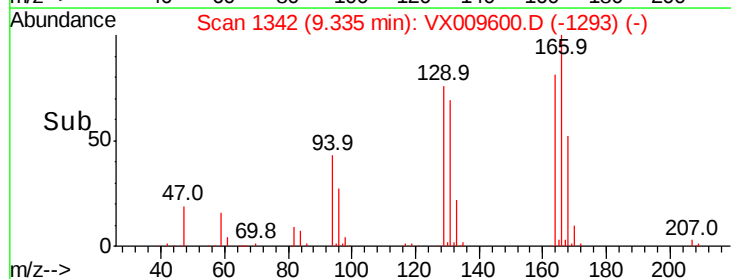
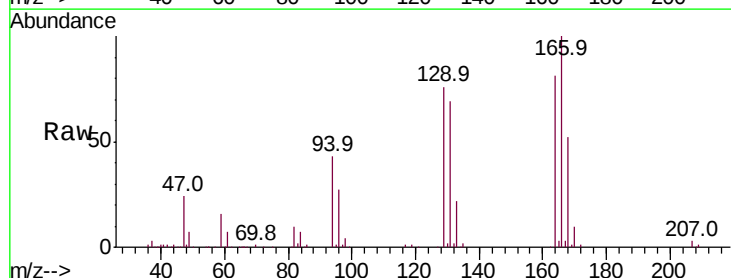
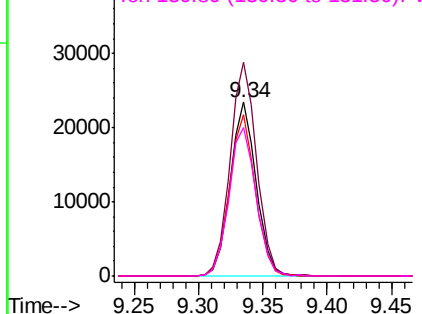
Abundance

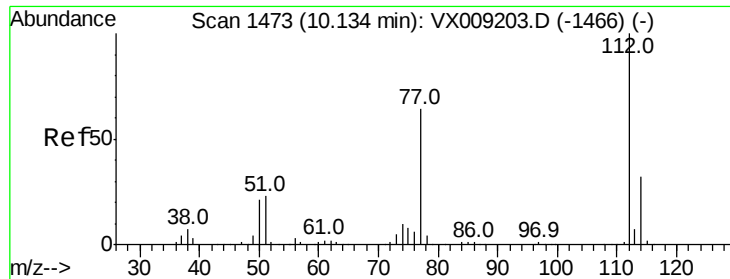
Ion 163.80 (163.50 to 164.50): V

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





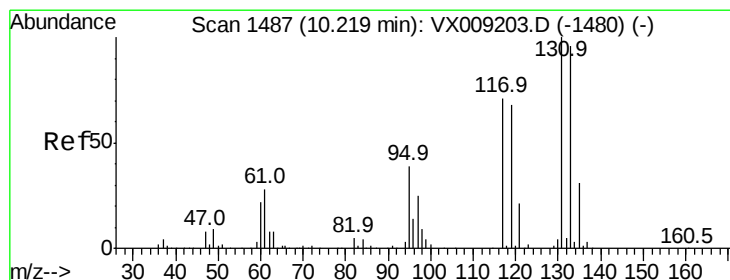
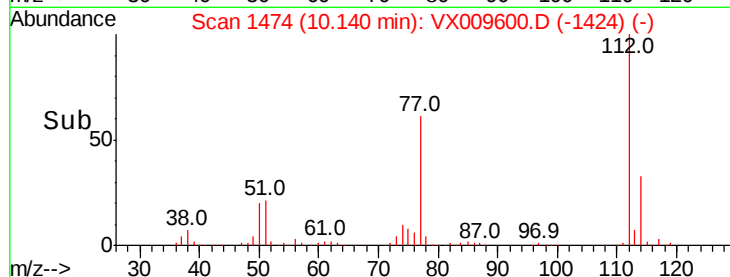
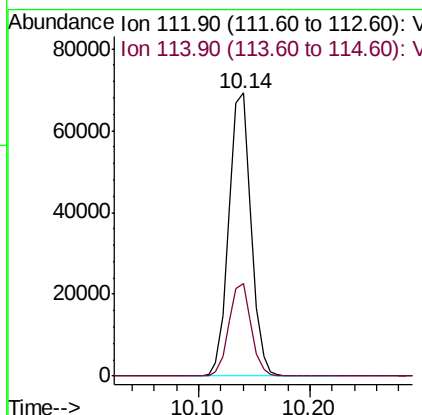
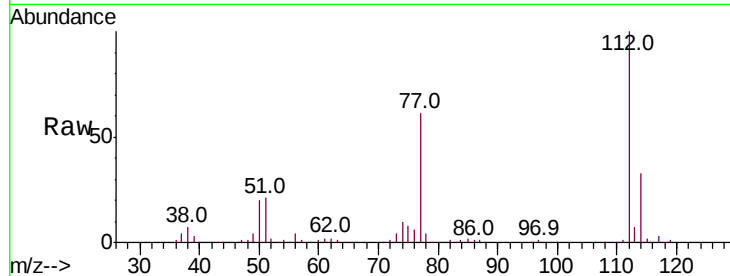
#65
Chlorobenzene
Concen: 20.371 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX009600.D
Acq: 16 May 2019 12:27

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

Tot Ion:112 Resp: 95770
Ion Ratio Lower Upper
112 100
114 32.7 25.5 38.3

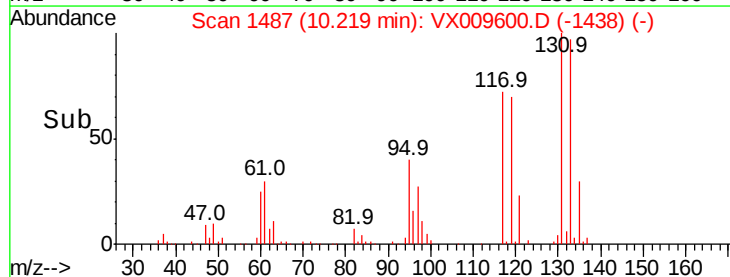
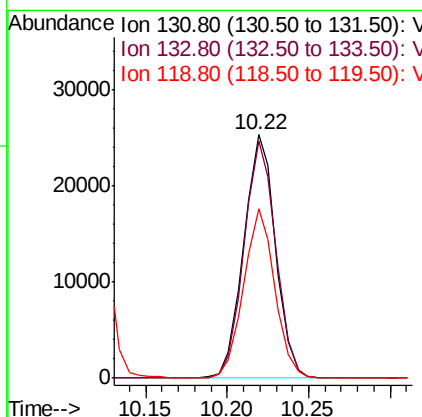
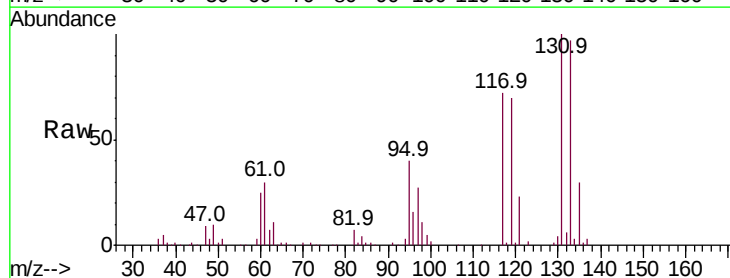
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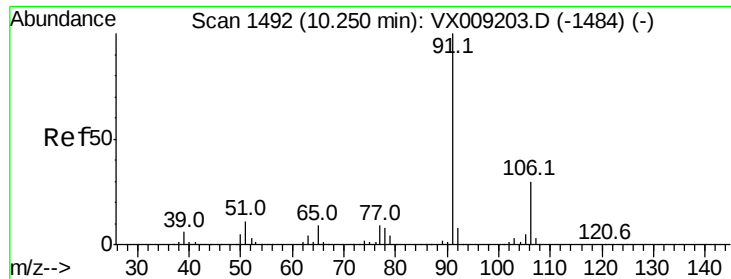
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.093 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX009600.D
Acq: 16 May 2019 12:27

Tgt Ion:131 Resp: 34248
Ion Ratio Lower Upper
131 100
133 97.5 47.7 143.1
119 68.6 33.5 100.4





#67

Ethyl Benzene

Concen: 20.486 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX009600.D

Acq: 16 May 2019 12:27

Instrument :

MSVOA_X

ClientSampled :

VX0516WBS01

Tot Ion: 91 Resp: 177248

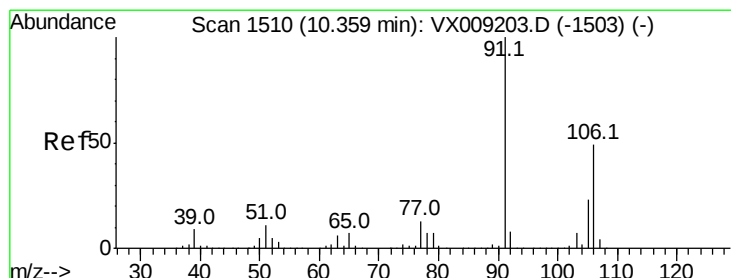
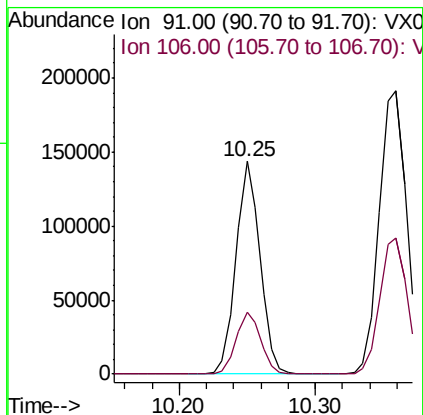
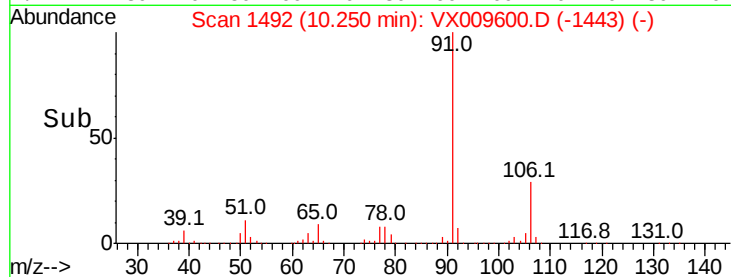
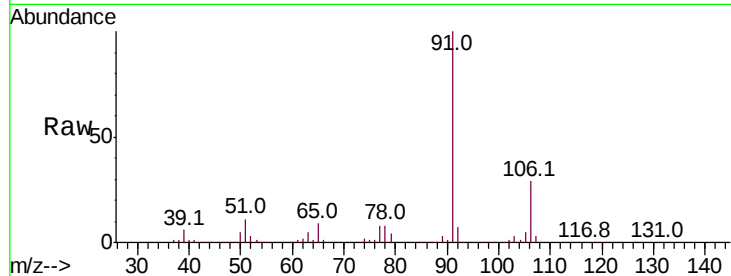
Ion Ratio Lower Upper

91 100

106 29.1 24.0 36.0

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#68

m/p-Xylenes

Concen: 40.844 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX009600.D

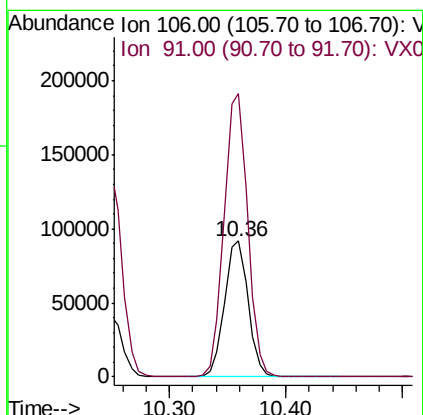
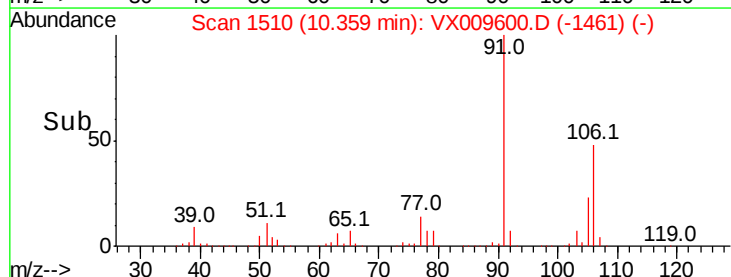
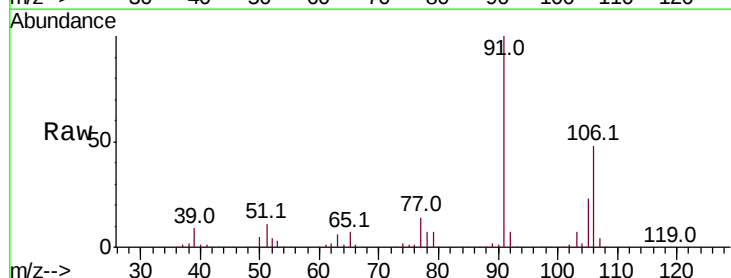
Acq: 16 May 2019 12:27

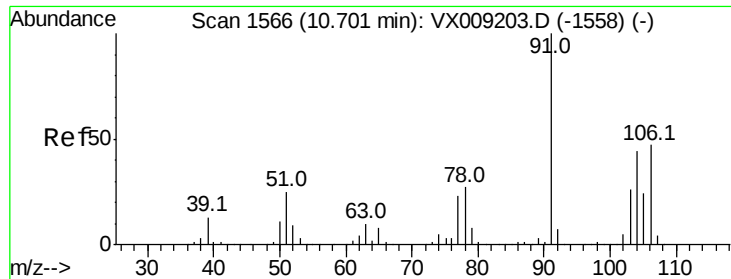
Tgt Ion: 106 Resp: 129141

Ion Ratio Lower Upper

106 100

91 208.2 164.0 246.0





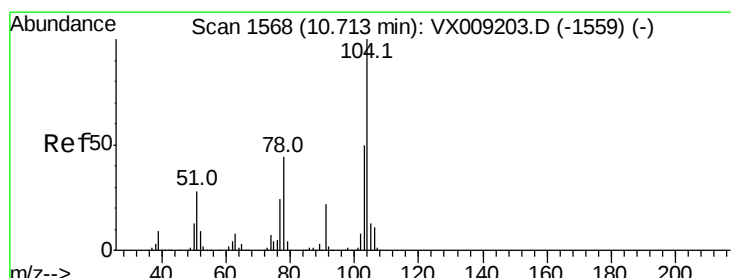
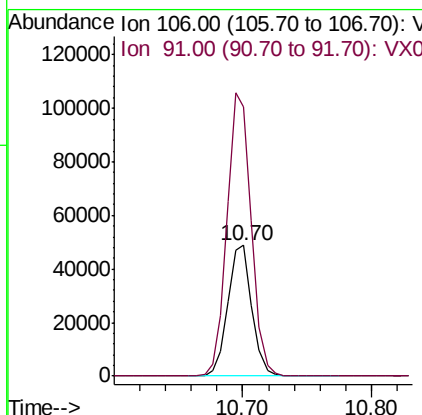
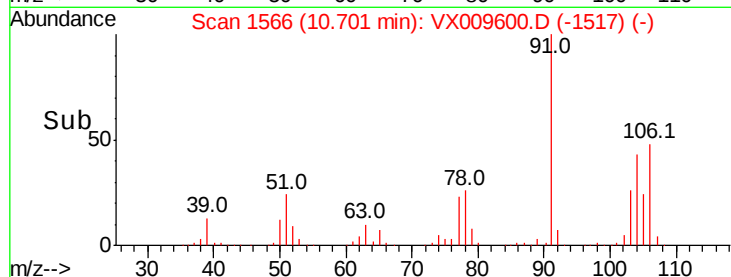
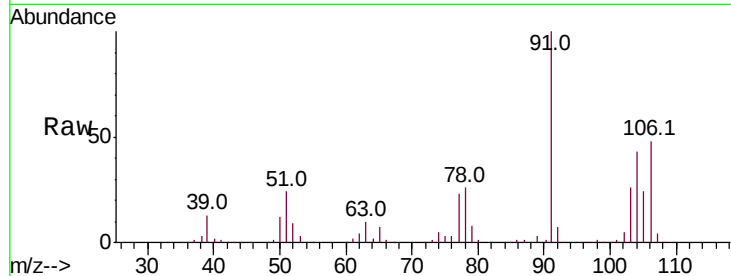
#69
o-Xylene
Concen: 20.533 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX009600.D
Acq: 16 May 2019 12:27

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

Tot Ion:106 Resp: 64056
Ion Ratio Lower Upper
106 100
91 218.1 109.5 328.4

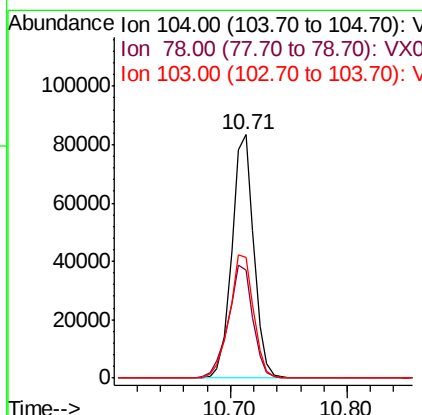
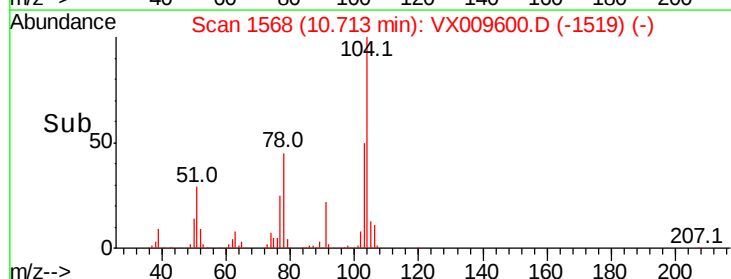
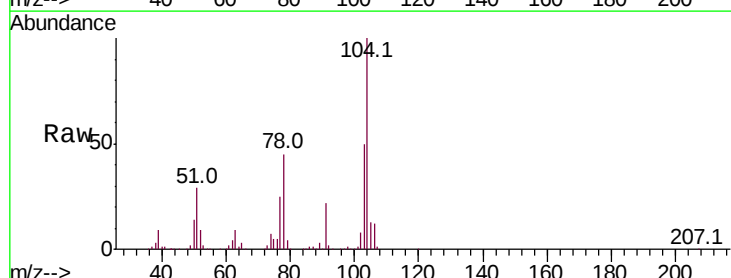
Manual Integrations
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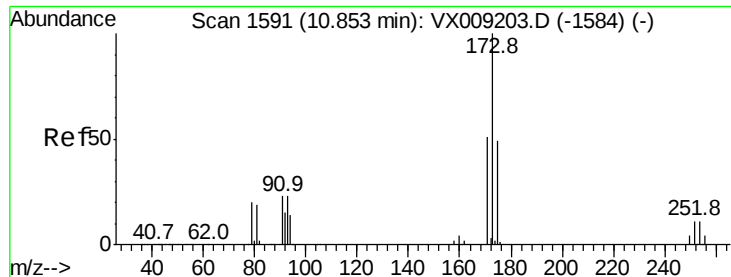
MMDadoda
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#70
Styrene
Concen: 20.205 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX009600.D
Acq: 16 May 2019 12:27

Tgt Ion:104 Resp: 109551
Ion Ratio Lower Upper
104 100
78 51.8 41.0 61.4
103 55.7 43.8 65.6





#71

Bromoform

Concen: 19.697 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX009600.D

Acq: 16 May 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBS01

Tot Ion:173 Resp: 27283

Ion Ratio Lower Upper

173 100

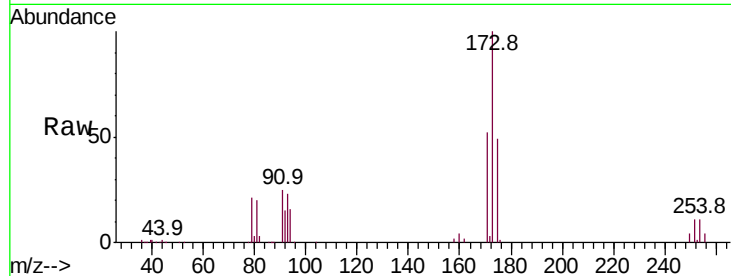
175 49.0 24.5 73.5

254 0.1 0.1 0.1#

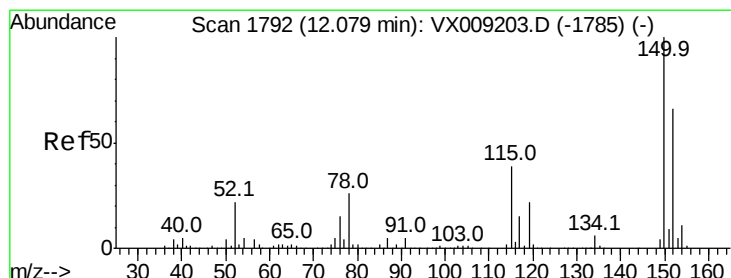
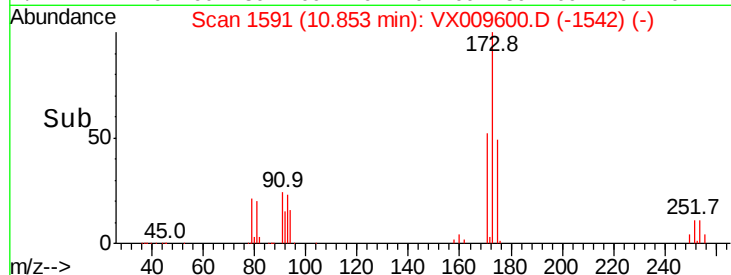
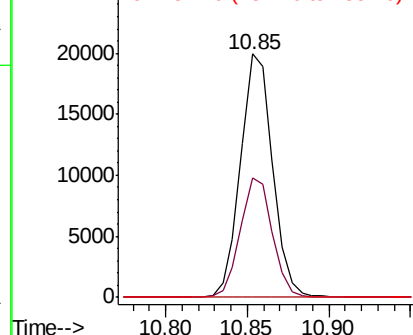
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009600.D

Acq: 16 May 2019 12:27

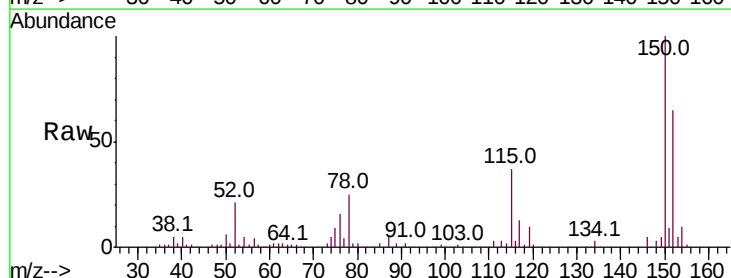
Tgt Ion:152 Resp: 115882

Ion Ratio Lower Upper

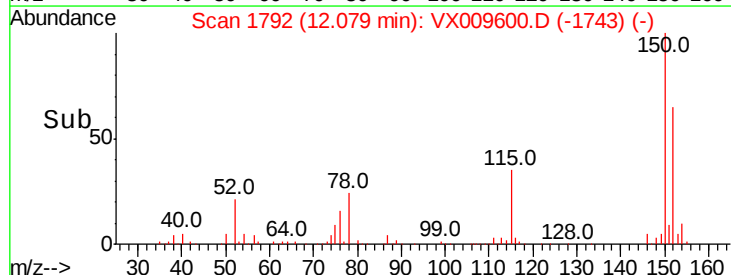
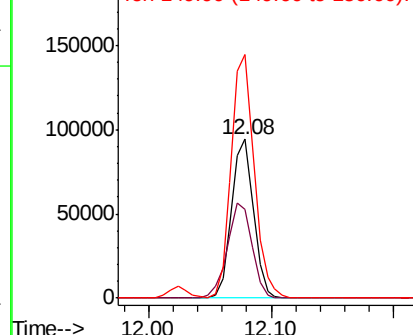
152 100

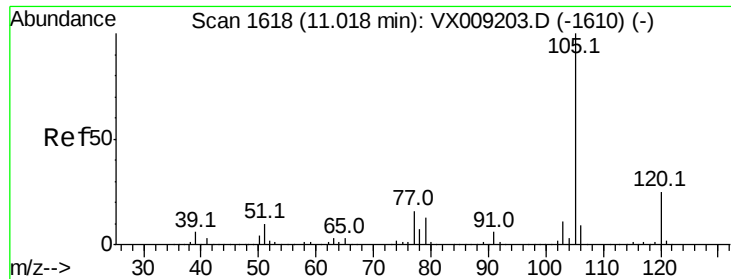
115 68.1 41.2 123.6

150 162.4 0.0 346.4



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





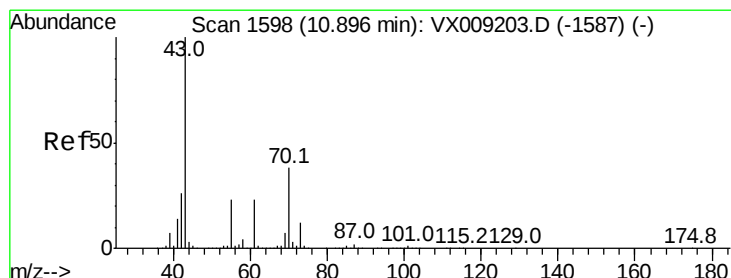
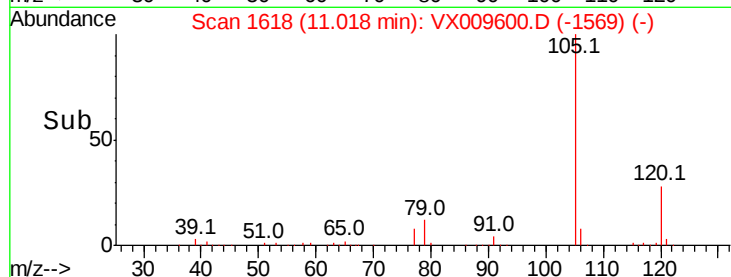
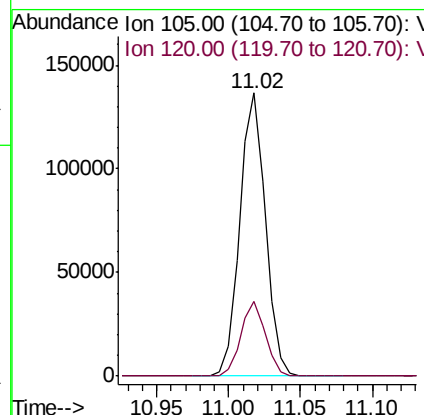
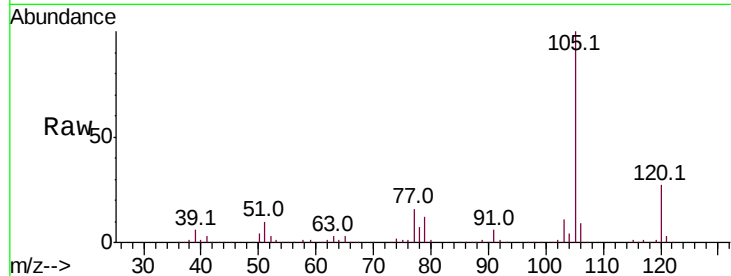
#73
Isopropylbenzene
Concen: 20.163 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX009600.D
Acq: 16 May 2019 12:27

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.5	12.8	38.3

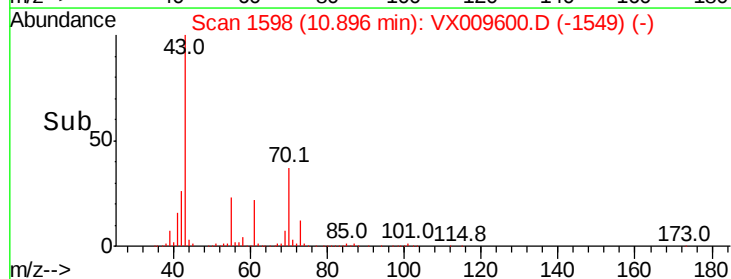
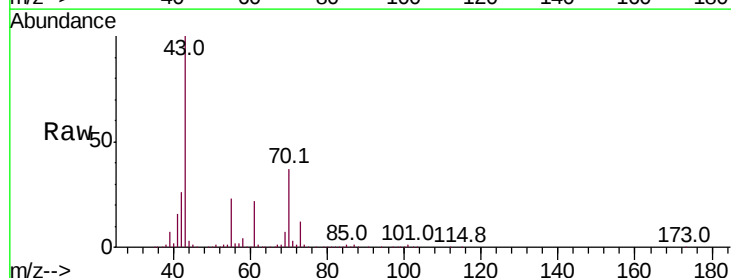
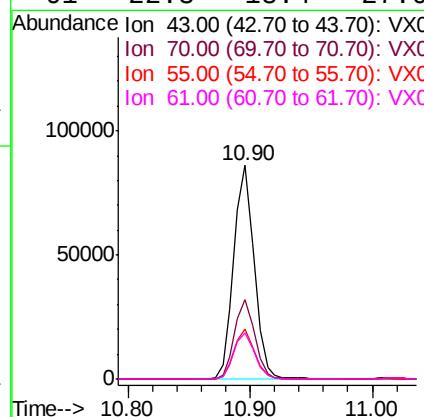
Manual Integrations
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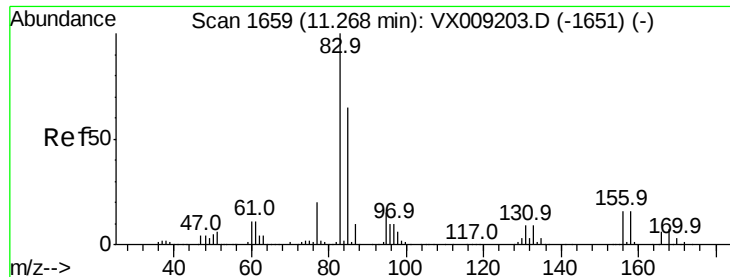
MMDadoda
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#74
N-ethyl acetate
Concen: 20.154 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VX009600.D
Acq: 16 May 2019 12:27

Tgt Ion	Ratio	Lower	Upper
43	100		
70	37.2	30.0	45.0
55	23.8	17.9	26.9
61	22.3	18.4	27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.488 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX009600.D

Acq: 16 May 2019 12:27

Instrument :

MSVOA_X

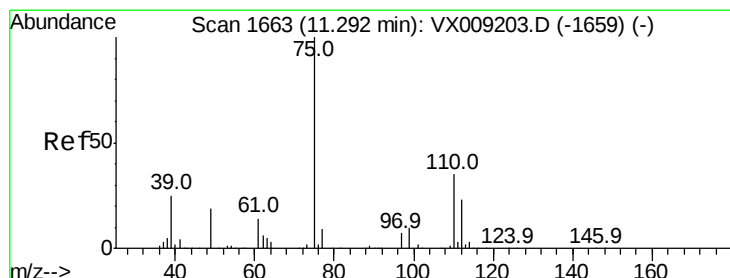
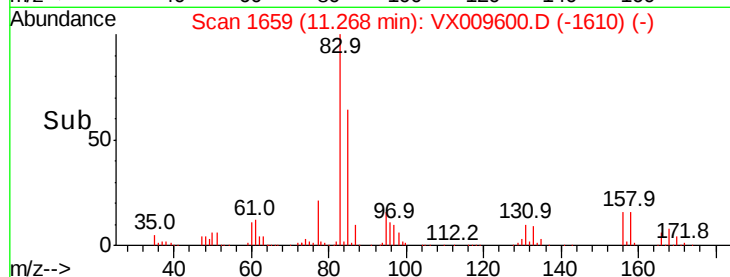
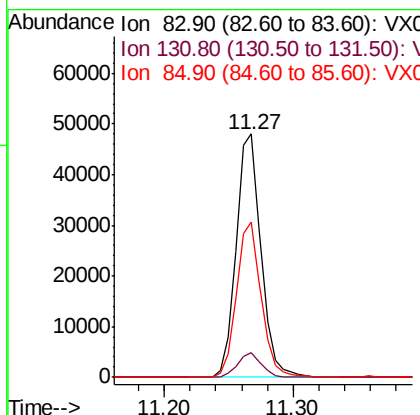
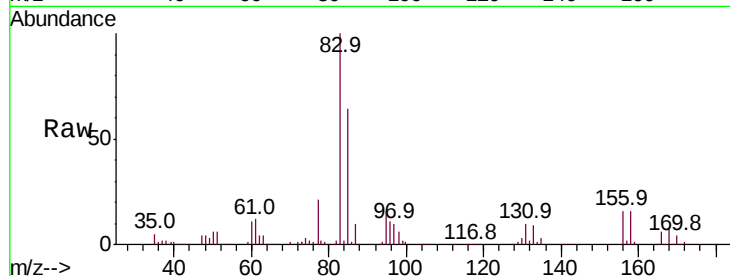
ClientSampleId :

VX0516WBS01

Tot Ion:	83	Resp:	64361
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.6	13.8
85	63.6	32.0	96.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.582 ug/l m

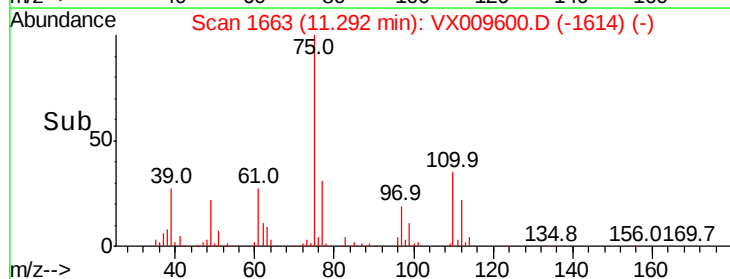
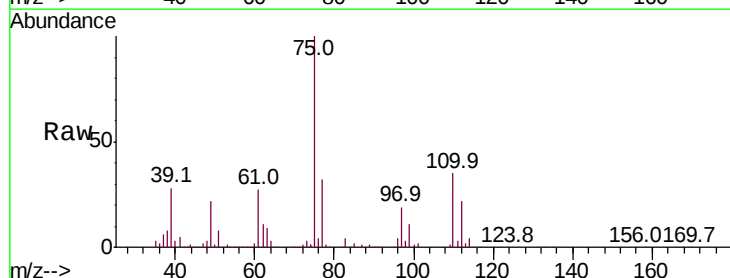
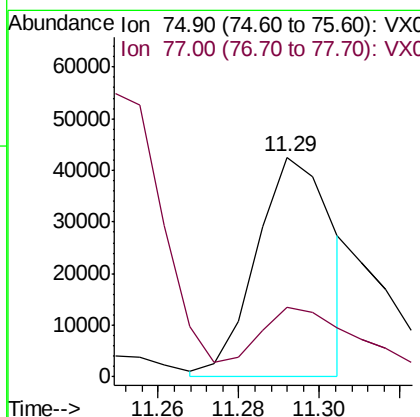
RT: 11.29 min Scan# 1663

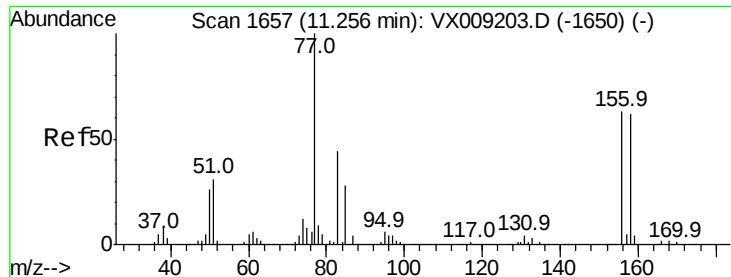
Delta R.T. -0.00 min

Lab File: VX009600.D

Acq: 16 May 2019 12:27

Tgt Ion:	75	Resp:	55326
Ion Ratio	Lower	Upper	
75	100		
77	43.2	22.1	66.1





#77

Bromobenzene

Concen: 20.196 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009600.D

Acq: 16 May 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBS01

Tot Ion:156 Resp: 42241

Ion Ratio Lower Upper

156 100

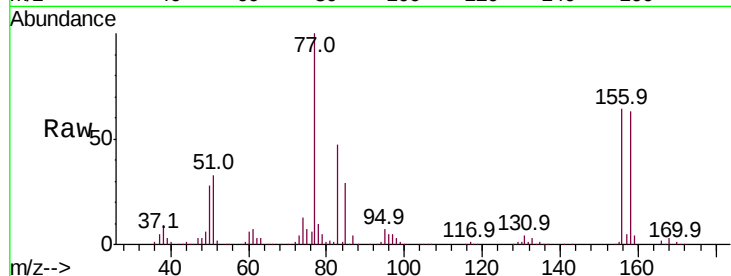
77 169.2 84.8 254.3

158 96.4 49.1 147.3

Manual Integrations
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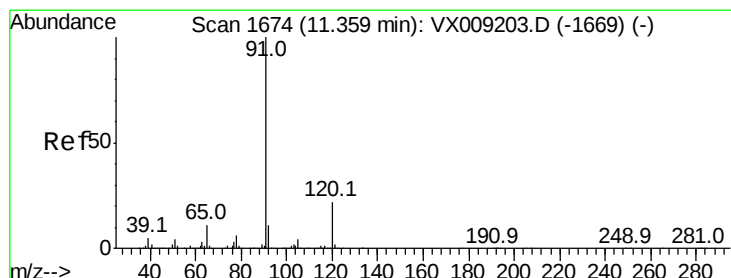
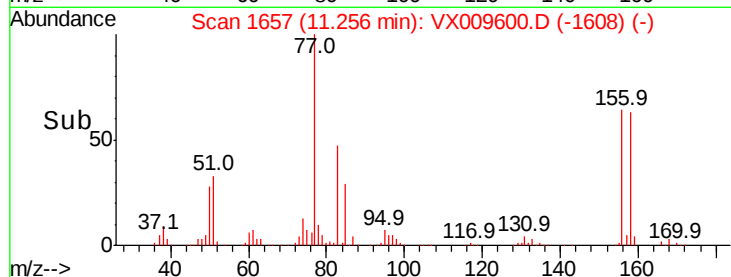
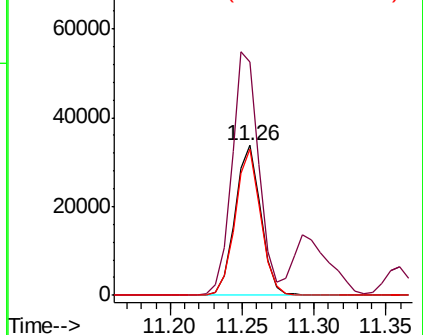
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.230 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009600.D

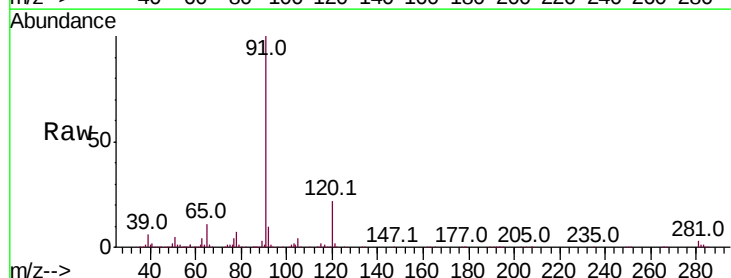
Acq: 16 May 2019 12:27

Tgt Ion: 91 Resp: 194687

Ion Ratio Lower Upper

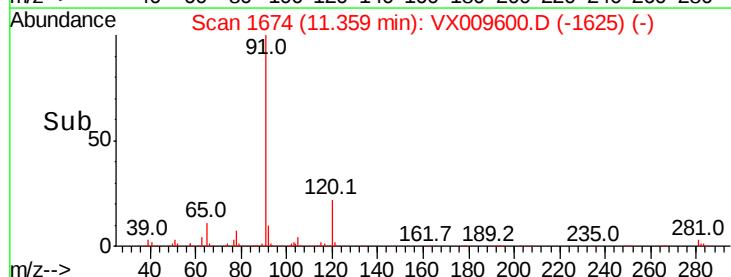
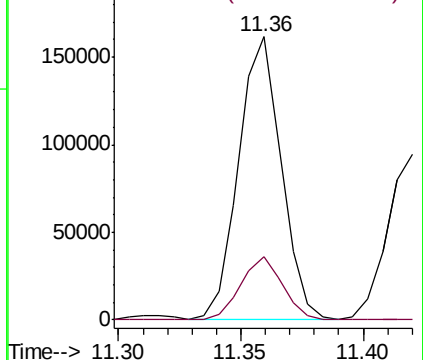
91 100

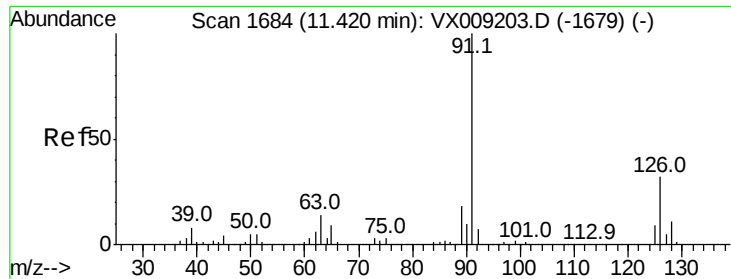
120 22.1 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.593 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009600.D

Acq: 16 May 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBS01

Tot Ion: 91 Resp: 116334

Ion Ratio Lower Upper

91 100

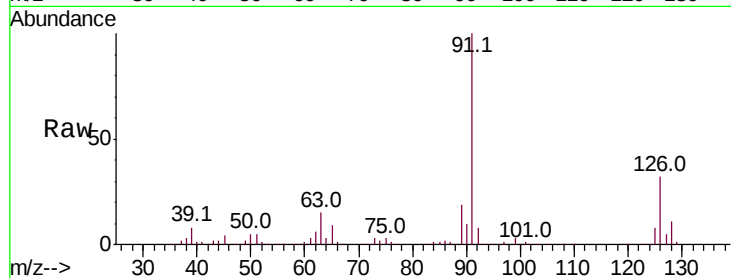
126 32.8 16.3 48.9

Manual Integrations

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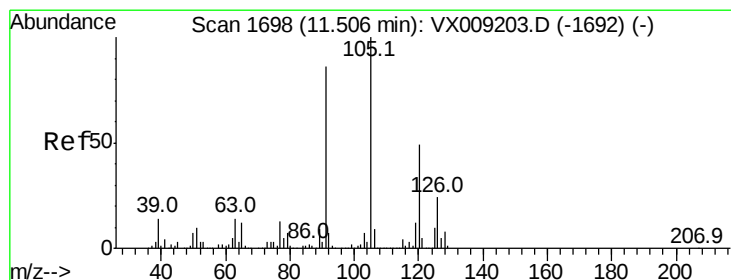
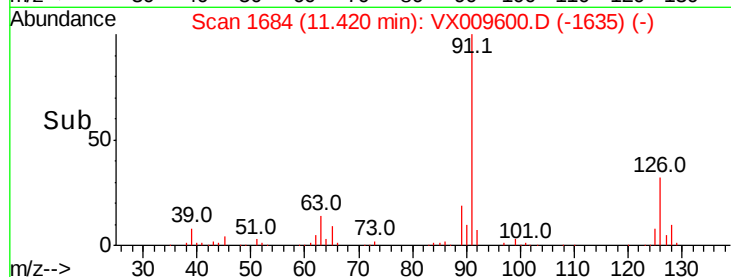
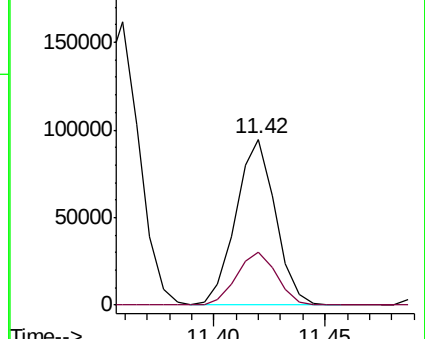
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.162 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009600.D

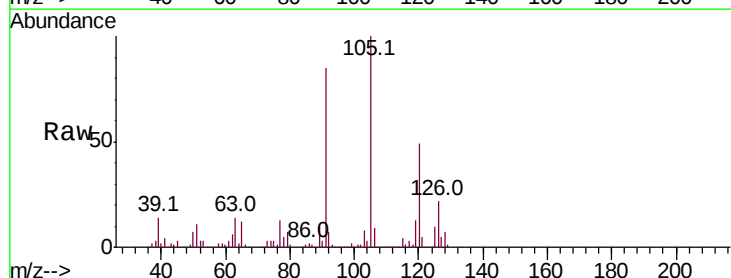
Acq: 16 May 2019 12:27

Tgt Ion:105 Resp: 143060

Ion Ratio Lower Upper

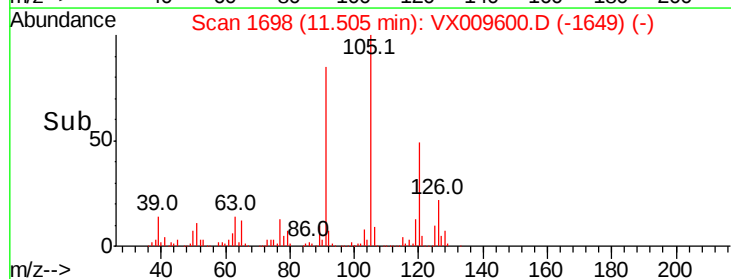
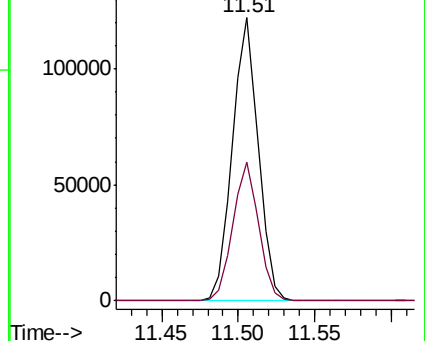
105 100

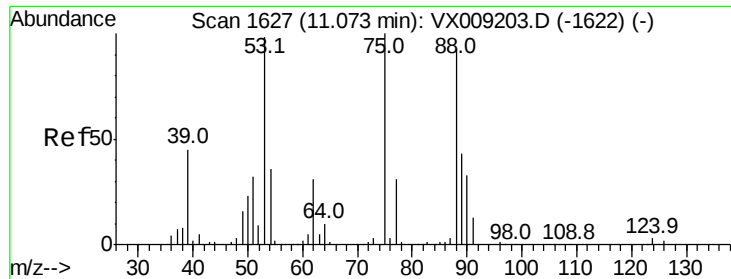
120 48.7 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 18.649 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX009600.D

Acq: 16 May 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

VX0516WBS01

Tot Ion: 75 Resp: 19592

Ion Ratio Lower Upper

75 100

53 113.4 79.0 118.6

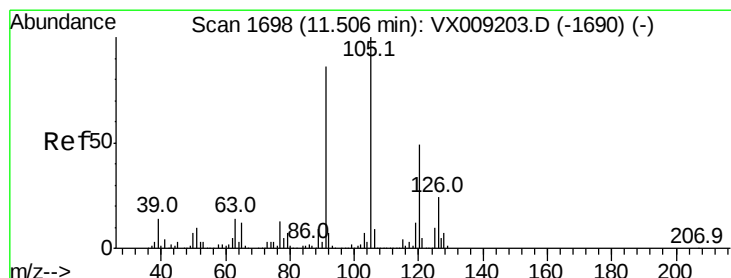
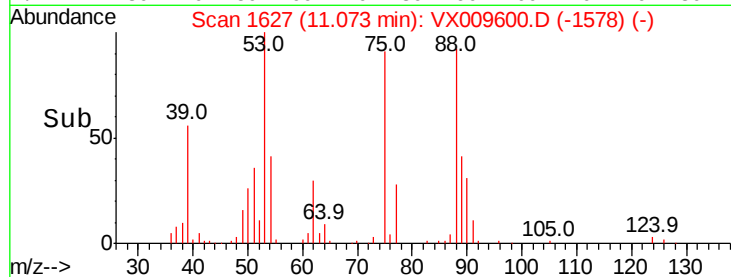
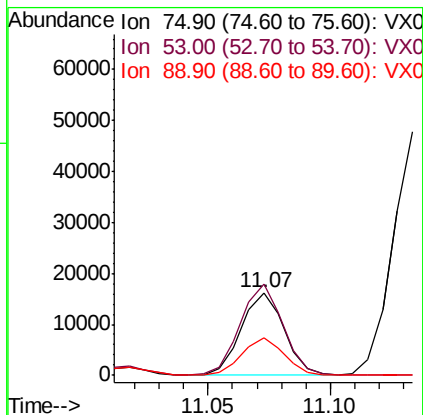
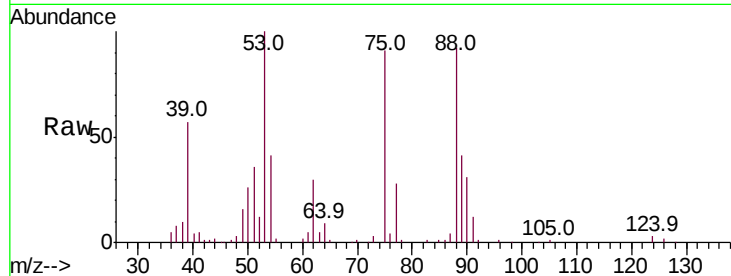
89 45.4 34.7 52.1

Manual Integrations

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#82

4-Chlorotoluene

Concen: 19.963 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009600.D

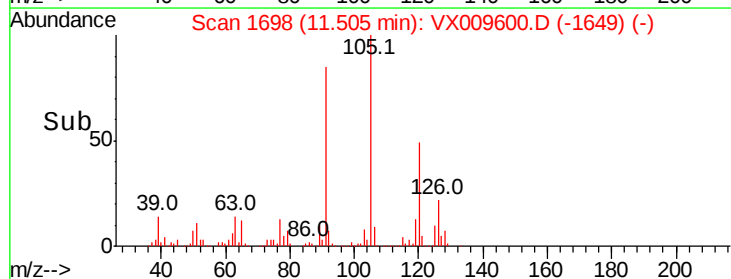
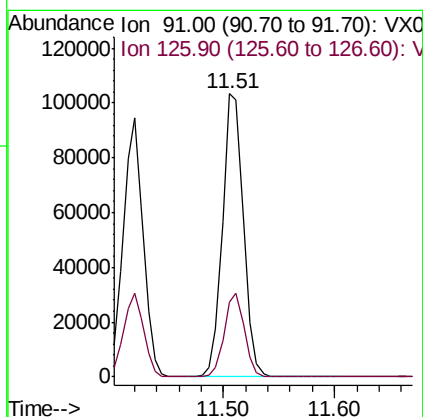
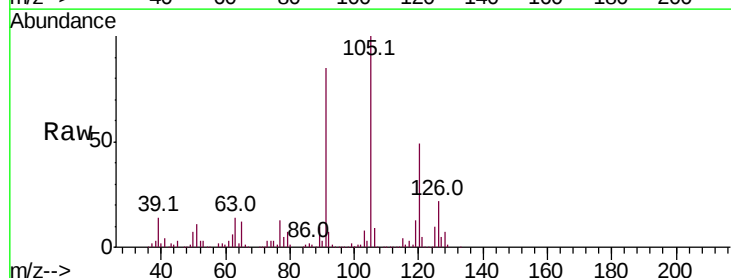
Acq: 16 May 2019 12:27

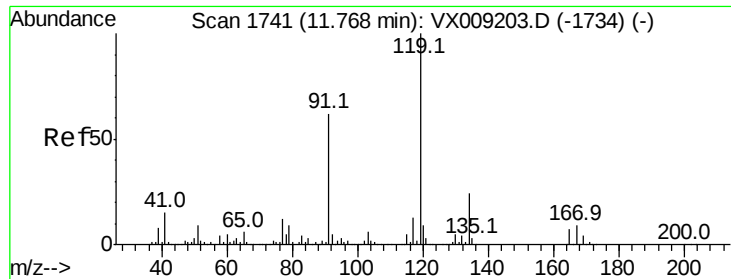
Tgt Ion: 91 Resp: 133903

Ion Ratio Lower Upper

91 100

126 28.5 14.5 43.6





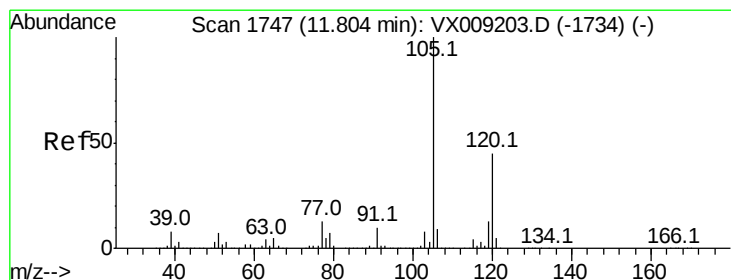
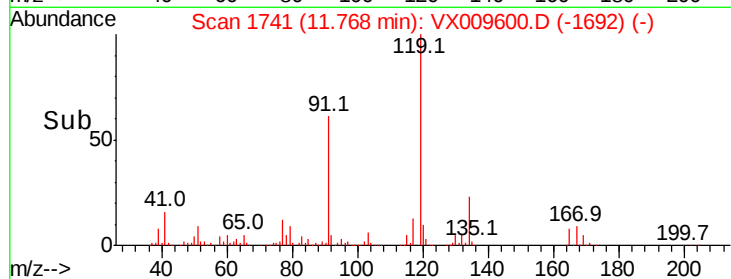
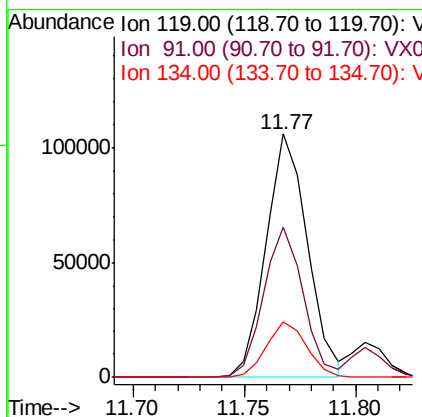
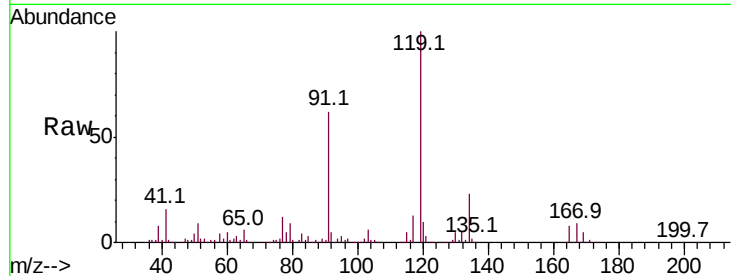
#83
tert-Butylbenzene
Concen: 19.895 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX009600.D
Acq: 16 May 2019 12:27

Instrument :
MSVOA_X
ClientSampled :
VX0516WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	137324		
91	59.3	29.5	88.5	
134	22.5	11.4	34.1	

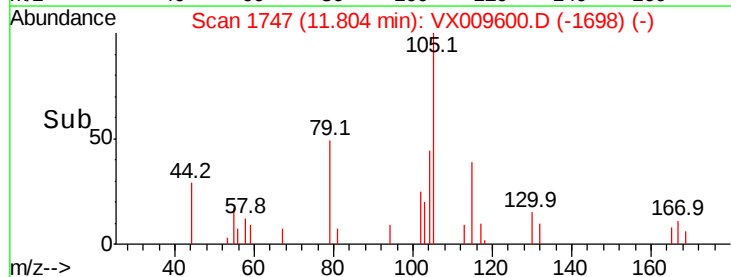
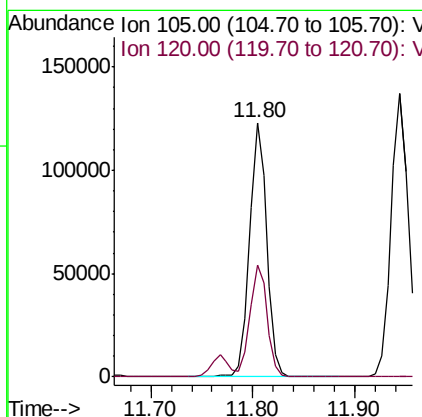
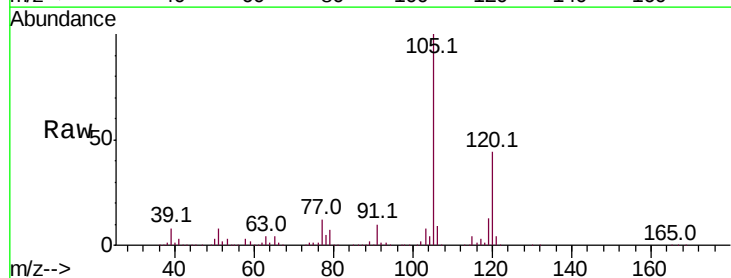
Manual Integrations
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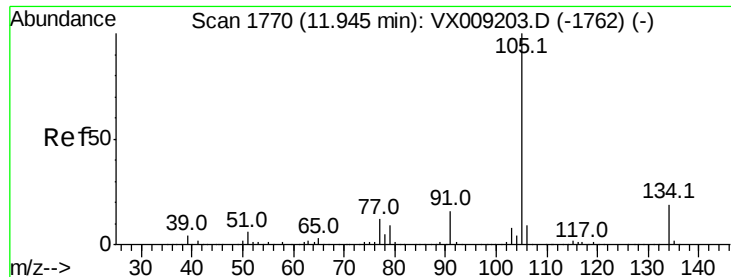
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.358 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX009600.D
Acq: 16 May 2019 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	144992		
120	44.0	22.0	66.0	





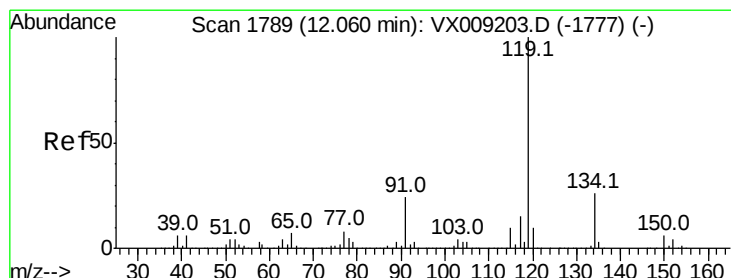
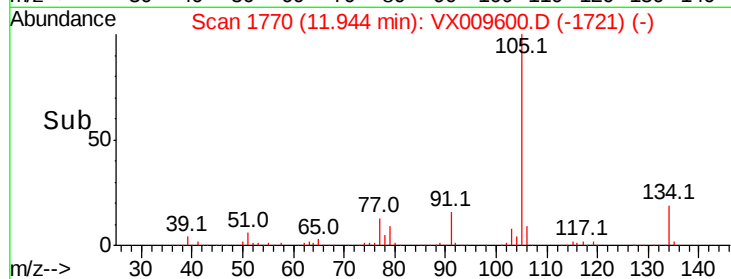
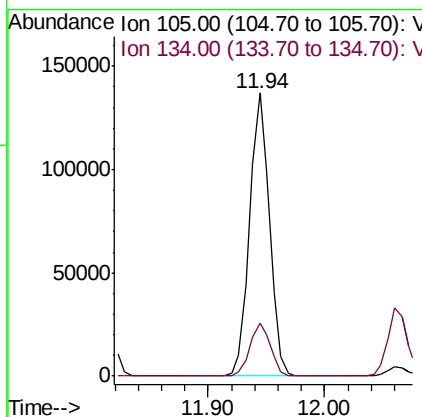
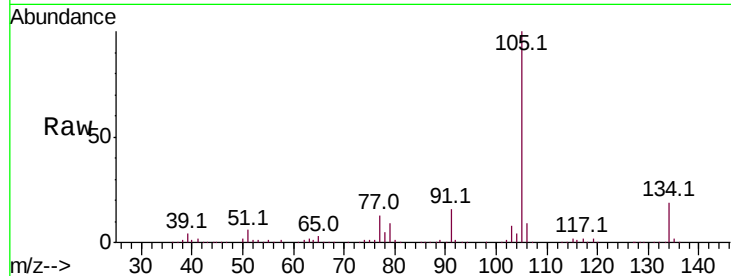
#85
 sec-Butylbenzene
 Concen: 20.022 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX009600.D
 Acq: 16 May 2019 12:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0516WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.7	28.9

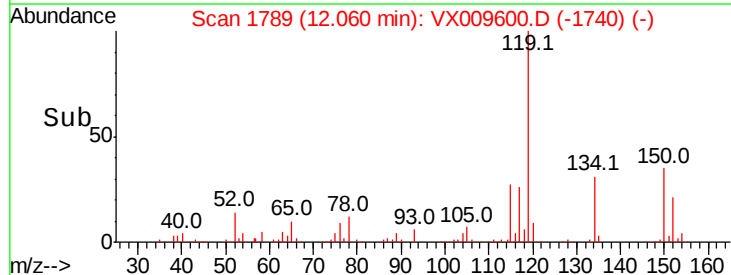
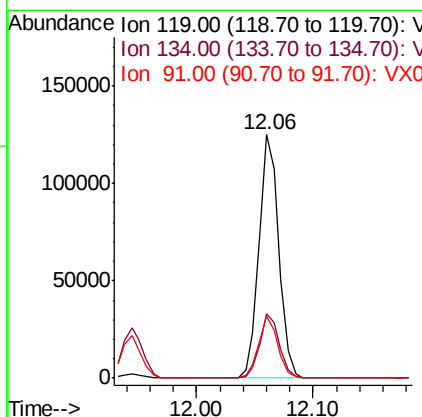
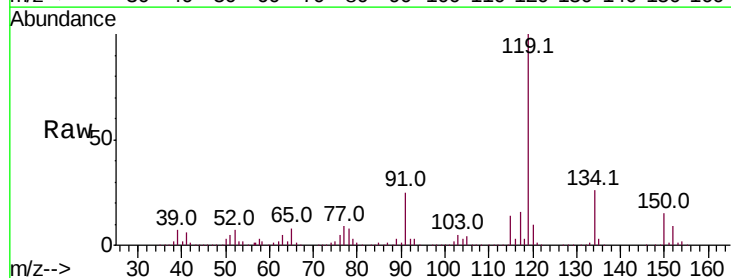
Manual Integrations
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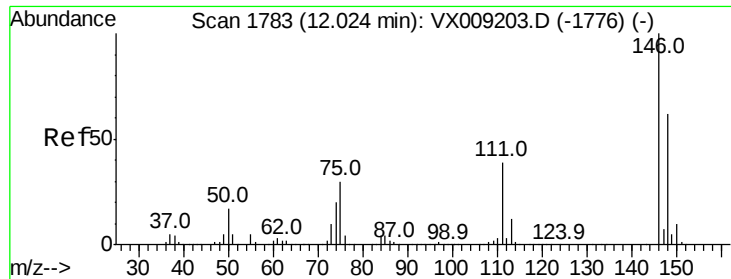
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 20.188 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX009600.D
 Acq: 16 May 2019 12:27

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.0	12.9	38.7
91	24.5	11.8	35.4





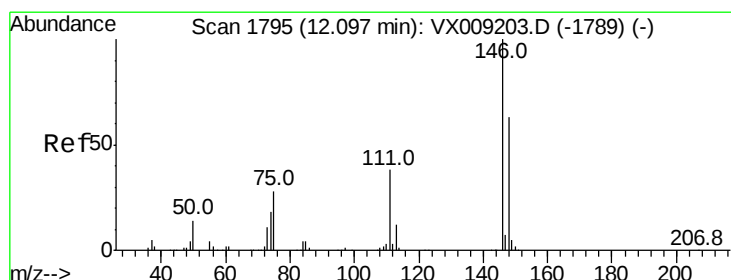
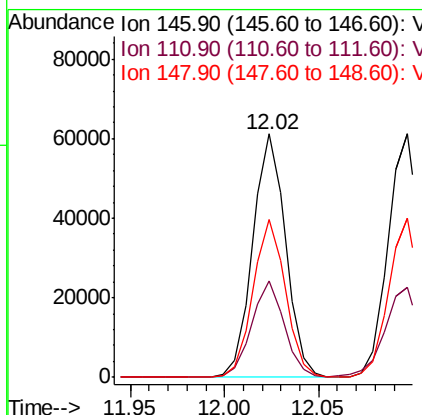
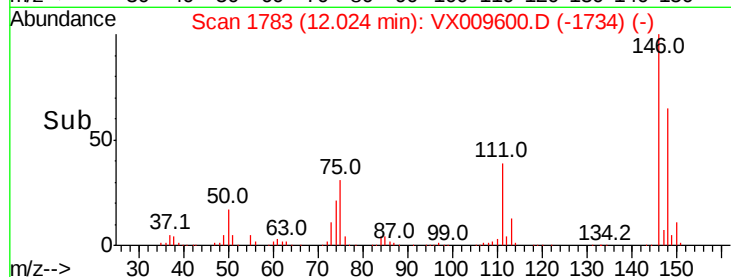
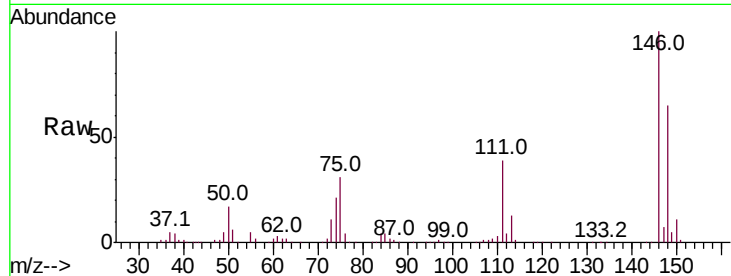
#87
 1,3-Dichlorobenzene
 Concen: 19.887 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009600.D
 Acq: 16 May 2019 12:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0516WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	20.0	59.9
148	64.0	31.8	95.3

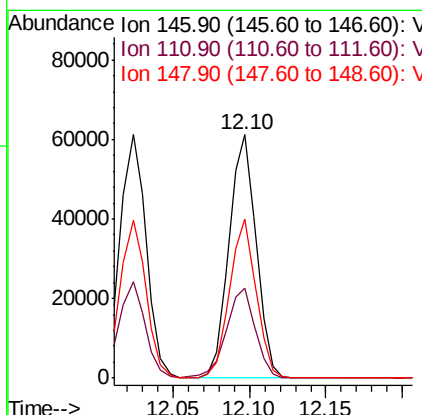
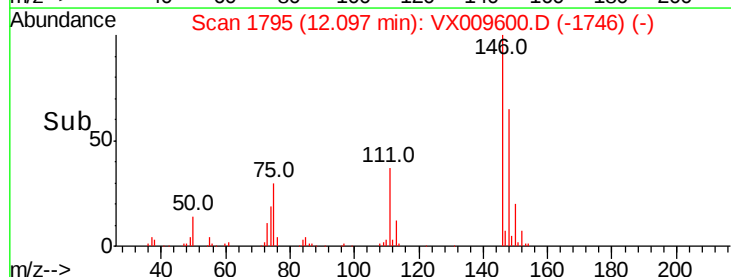
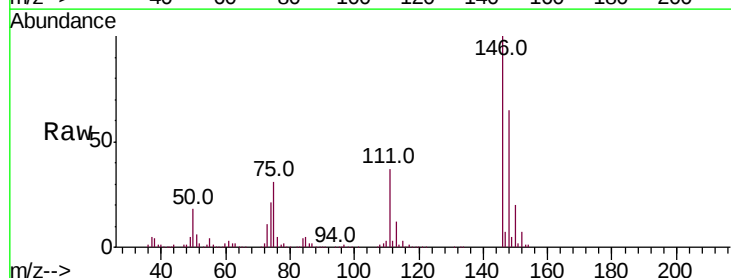
Manual Integrations
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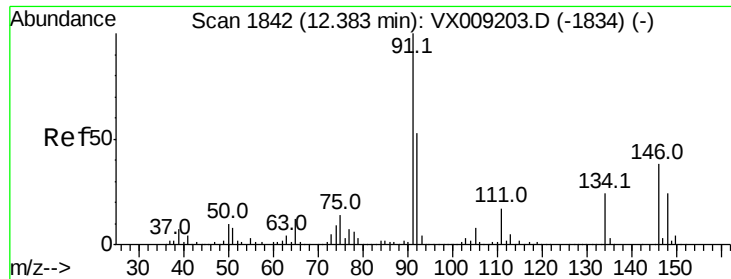
MMDadoda
 5/17/2019 1:09:01 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.018 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009600.D
 Acq: 16 May 2019 12:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.6	58.8
148	63.9	31.8	95.3





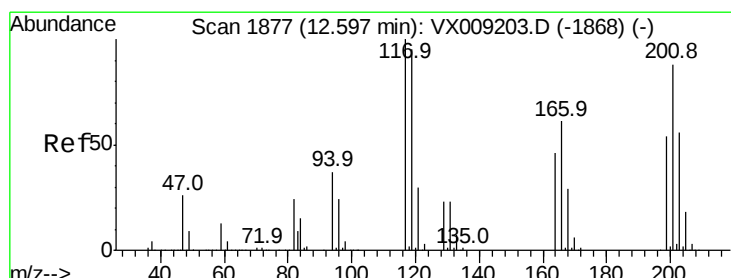
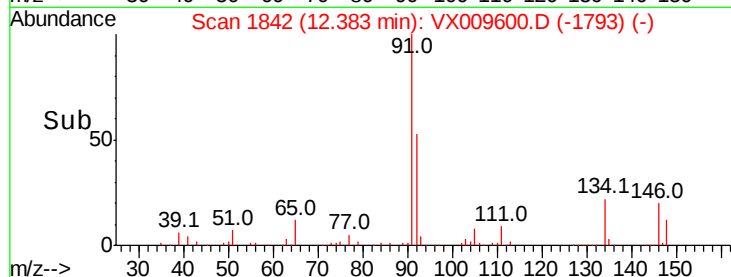
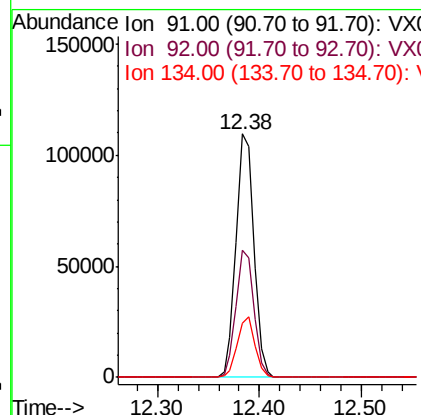
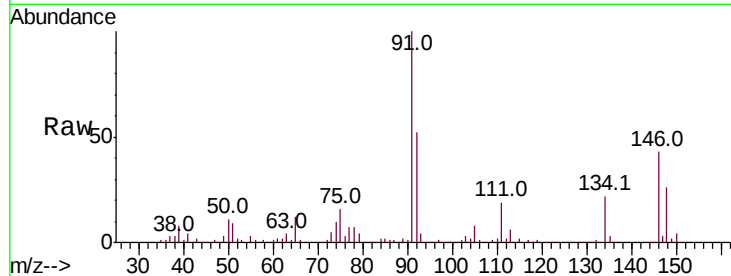
#89
n-Butylbenzene
Concen: 19.871 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX009600.D
Acq: 16 May 2019 12:27

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.2	26.5	79.5	
134	24.1	12.4	37.2	

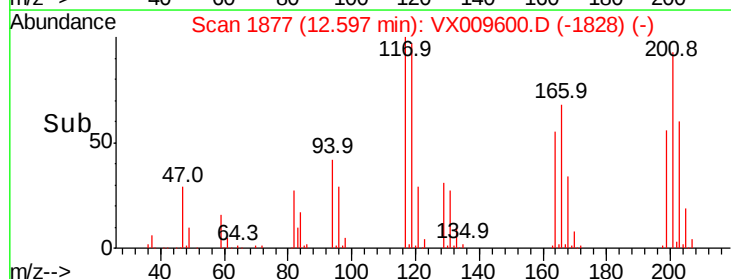
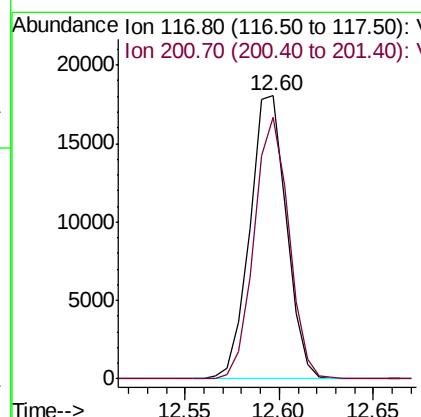
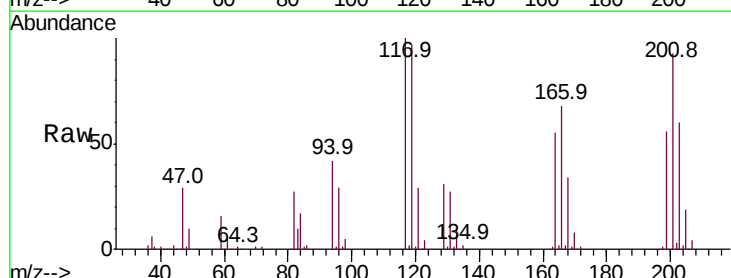
Manual Integrations
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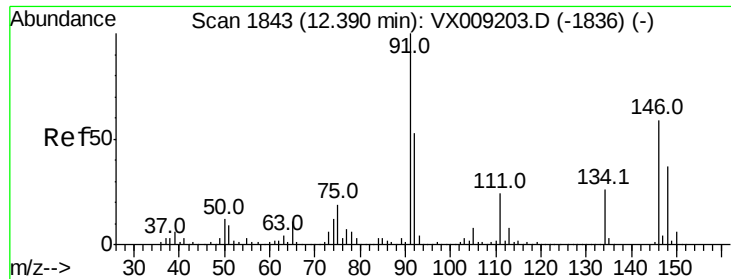
MMDadoda
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#90
Hexachloroethane
Concen: 19.350 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX009600.D
Acq: 16 May 2019 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	87.9	42.3	126.9	





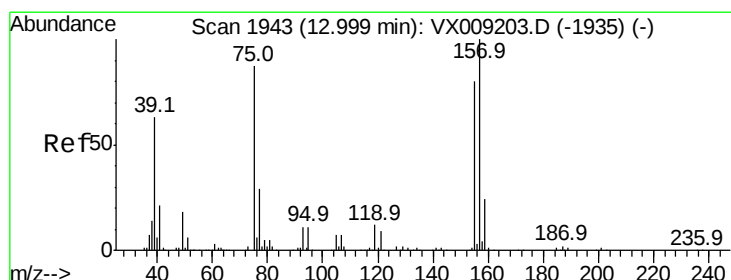
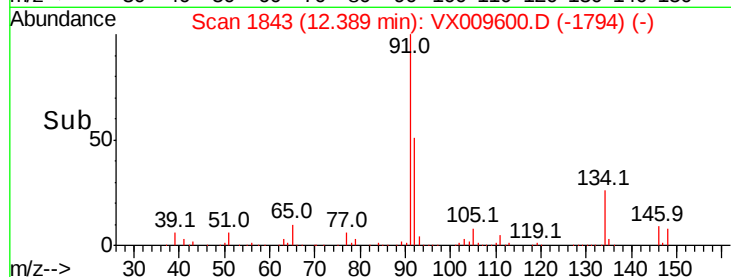
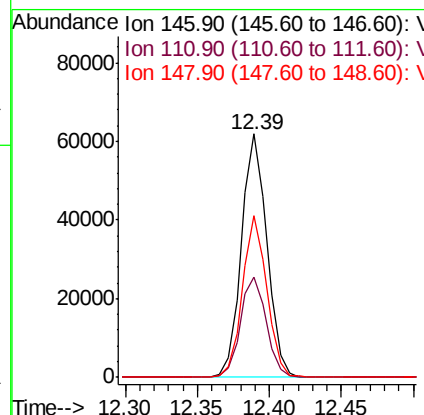
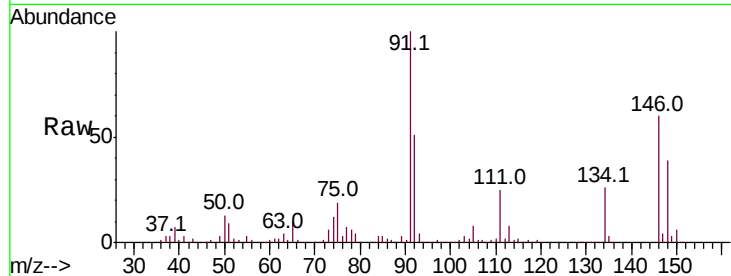
#91
 1,2-Dichlorobenzene
 Concen: 20.114 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX009600.D
 Acq: 16 May 2019 12:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0516WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.8	62.4
148	63.4	31.9	95.9

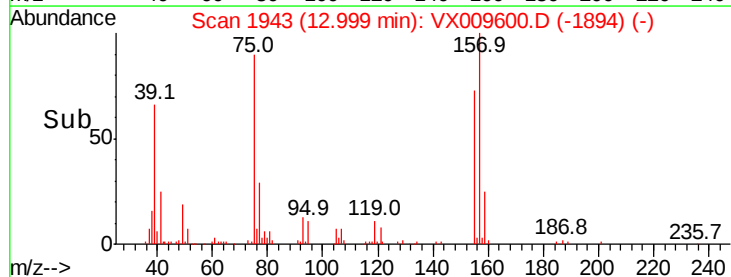
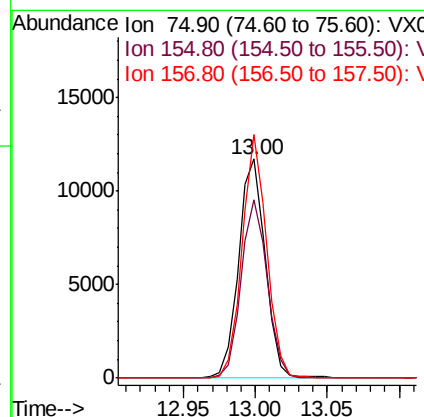
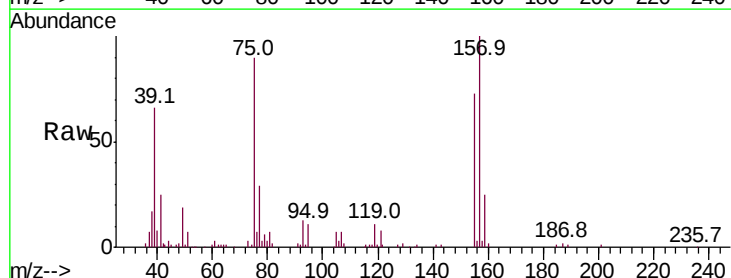
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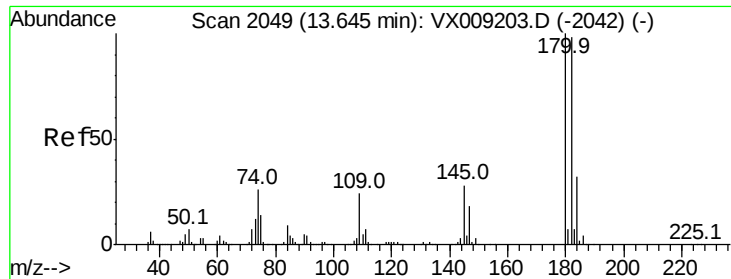
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.422 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX009600.D
 Acq: 16 May 2019 12:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.5	42.0	126.0
157	101.8	53.2	159.6





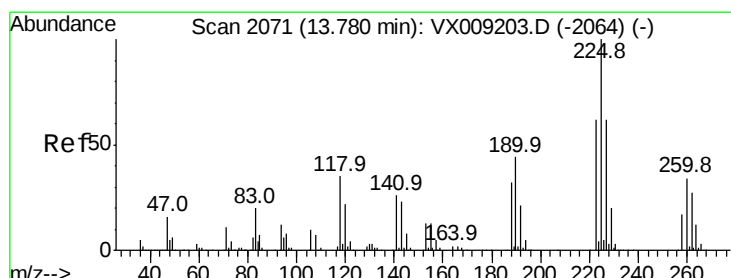
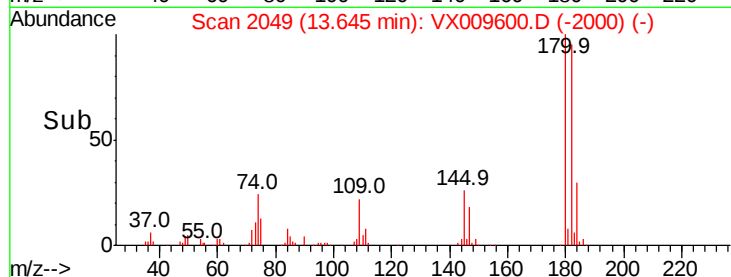
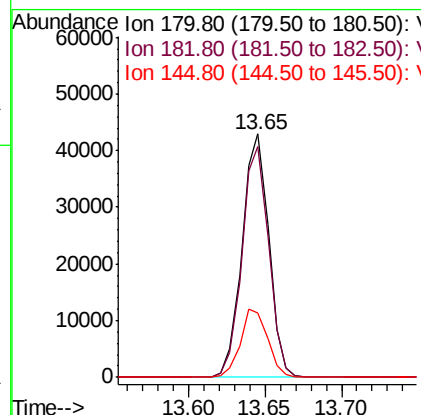
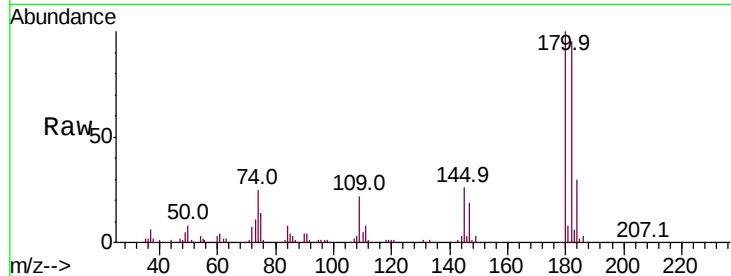
#93
 1,2,4-Trichlorobenzene
 Concen: 20.003 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009600.D
 Acq: 16 May 2019 12:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0516WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.1	48.4	145.2	
145	28.5	14.6	43.8	

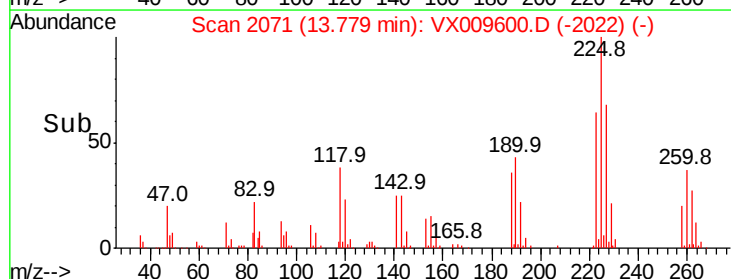
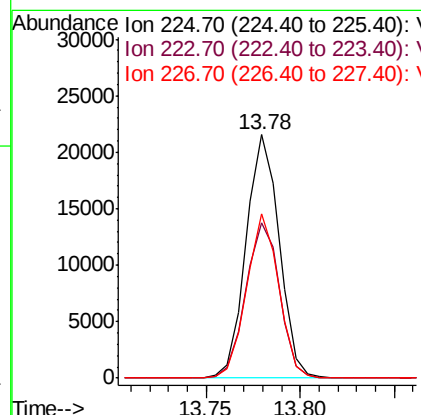
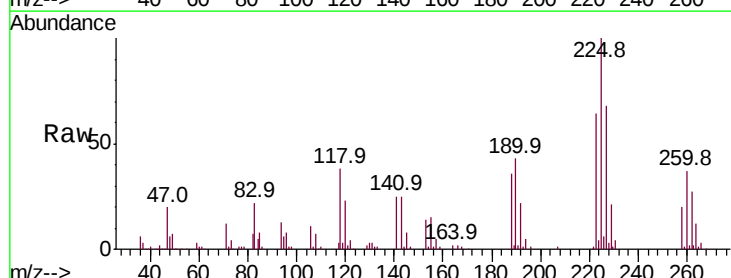
Manual Integrations
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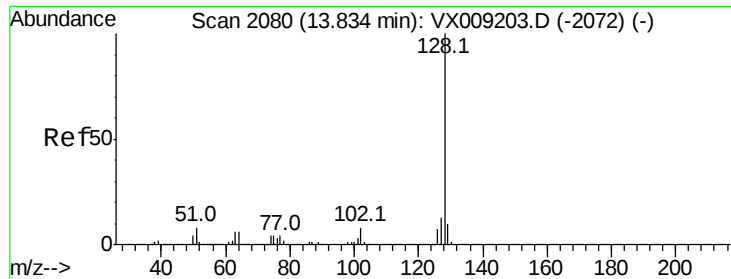
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#94
 Hexachlorobutadiene
 Concen: 19.824 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009600.D
 Acq: 16 May 2019 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.9	31.3	93.8	
227	65.5	31.8	95.3	





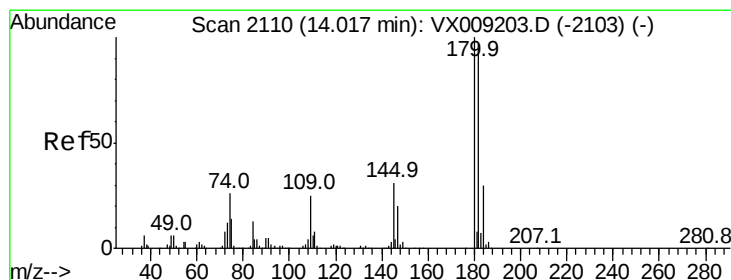
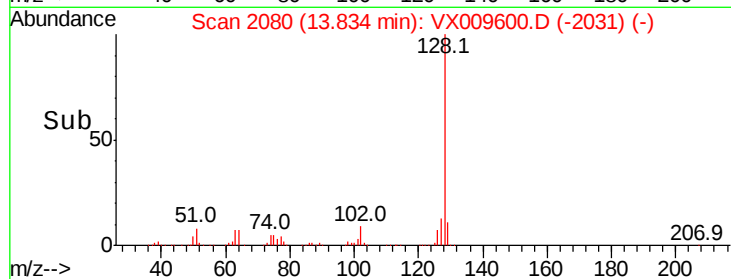
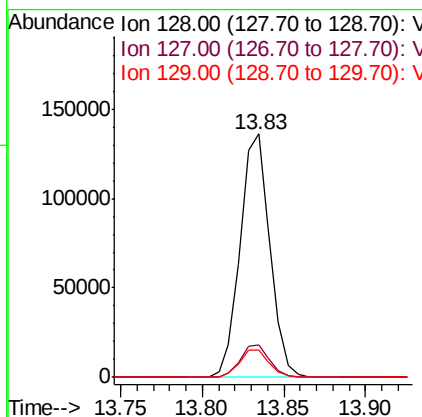
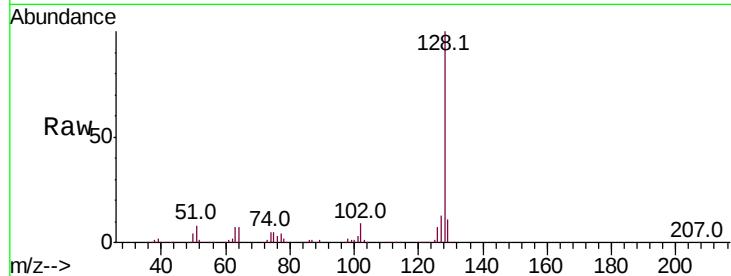
#95
Naphthalene
Concen: 20.431 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX009600.D
Acq: 16 May 2019 12:27

Instrument :
MSVOA_X
ClientSampleId :
VX0516WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	172629		
127	13.3	10.4	15.6	
129	11.1	8.6	13.0	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.685 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX009600.D
Acq: 16 May 2019 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	54453		
182	95.8	47.8	143.4	
145	30.8	15.4	46.4	

