

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031419\
 Data File : VX008061.D
 Acq On : 14 Mar 2019 09:39
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 3/15/2019 9:06:43 AM

Quant Time: Mar 15 03:41:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031419W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 14 14:45:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	458529	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	649772	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	598367	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	289486	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.00	65	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	3544	0.960 ug/l	98
3) Chloromethane	1.33	50	4949	1.236 ug/l	95
4) Vinyl Chloride	1.41	62	4408	1.153 ug/l	94
5) Bromomethane	1.65	94	3357	1.729 ug/l	89
6) Chloroethane	1.73	64	4444	1.980 ug/l	97
7) Trichlorofluoromethane	1.93	101	5514	1.217 ug/l	100
8) Diethyl Ether	2.19	74	2413	0.989 ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.39	101	3705	1.030 ug/l	98
12) 1,1-Dichloroethene	2.38	96	3533	1.021 ug/l	92
14) Allyl chloride	2.73	41	6034	0.951 ug/l	92
15) Acrylonitrile	3.15	53	11073	5.116 ug/l	98
16) Acetone	2.45	43	11733	5.587 ug/l	97
17) Carbon Disulfide	2.57	76	9226	0.894 ug/l	98
18) Methyl Acetate	2.78	43	4674	0.983 ug/l	94
19) Methyl tert-butyl Ether	3.20	73	11722	1.011 ug/l	98
20) Methylene Chloride	2.85	84	4307	1.134 ug/l #	83
21) trans-1,2-Dichloroethene	3.17	96	3960	1.072 ug/l	90
22) Diisopropyl ether	3.87	45	12211	0.961 ug/l	93
23) Vinyl Acetate	3.82	43	49815	4.487 ug/l	98
24) 1,1-Dichloroethane	3.70	63	6911	0.990 ug/l	97
25) 2-Butanone	4.70	43	16866	5.048 ug/l	95
26) 2,2-Dichloropropane	4.58	77	4984	0.955 ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	4538	1.047 ug/l	95
28) Bromochloromethane	5.01	49	2725	0.811 ug/l #	92
29) Tetrahydrofuran	5.15	42	10291	4.852 ug/l	99
30) Chloroform	5.21	83	6955	1.019 ug/l	92
31) Cyclohexane	5.58	56	6068	0.915 ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	5427	0.909 ug/l #	49
36) 1,1-Dichloropropene	5.80	75	5265	1.015 ug/l	99
37) Ethyl Acetate	4.85	43	5314	0.926 ug/l	97
38) Carbon Tetrachloride	5.78	117	4646	0.906 ug/l #	91
39) Methylcyclohexane	7.46	83	6510	0.964 ug/l	94
40) Benzene	6.14	78	15984	1.004 ug/l	95
41) Methacrylonitrile	5.05	41	3361	1.027 ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	6.19	62	5146	1.011	ug/l	96
43) Isopropyl Acetate	6.45	43	8958	0.970	ug/l	96
44) Trichloroethene	7.21	130	4883	1.077	ug/l	77
45) 1,2-Dichloropropane	7.51	63	4189	0.987	ug/l	100
46) Dibromomethane	7.66	93	2485	0.924	ug/l	89
47) Bromodichloromethane	7.90	83	4722	0.926	ug/l	98
48) Methyl methacrylate	7.77	41	4187	0.848	ug/l	94
49) 1,4-Dioxane	7.75	88	2091	20.407	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	29699	4.905	ug/l	98
52) Toluene	8.78	92	10278	1.007	ug/l	95
53) t-1,3-Dichloropropene	9.04	75	4801	0.827	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	5256	0.813	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	4185	1.017	ug/l	93
56) Ethyl methacrylate	9.18	69	5544	0.877	ug/l #	93
57) 1,3-Dichloropropane	9.37	76	7169	1.056	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	19477	5.280	ug/l	99
59) 2-Hexanone	9.49	43	22959	4.929	ug/l	97
60) Dibromochloromethane	9.58	129	4012	0.908	ug/l	95
61) 1,2-Dibromoethane	9.67	107	4169	0.936	ug/l	96
64) Tetrachloroethene	9.34	164	5086	1.085	ug/l	97
65) Chlorobenzene	10.14	112	12048	1.044	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	3770	0.883	ug/l #	62
67) Ethyl Benzene	10.25	91	18359	0.939	ug/l	98
68) m/p-Xylenes	10.36	106	13531	1.796	ug/l	98
69) o-Xylene	10.69	106	6814	0.931	ug/l	96
70) Styrene	10.71	104	10350	0.854	ug/l	97
71) Bromoform	10.85	173	2822	0.784	ug/l #	95
73) Isopropylbenzene	11.02	105	17519	0.948	ug/l	98
74) N-amyl acetate	10.90	43	7132	0.922	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.27	83	6273	1.089	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	5327m	1.094	ug/l	
77) Bromobenzene	11.26	156	5044	1.021	ug/l	97
78) n-propylbenzene	11.36	91	18136	0.878	ug/l	99
79) 2-Chlorotoluene	11.42	91	12305	1.008	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	13766	0.897	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	1470	0.801	ug/l #	82
82) 4-Chlorotoluene	11.51	91	13806	0.992	ug/l	99
83) tert-Butylbenzene	11.77	119	14512	0.965	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	14411	0.913	ug/l	98
85) sec-Butylbenzene	11.94	105	16299	0.886	ug/l	98
86) p-Isopropyltoluene	12.06	119	14640	0.878	ug/l	92
87) 1,3-Dichlorobenzene	12.02	146	8946	1.022	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	9524m	1.092	ug/l	
89) n-Butylbenzene	12.39	91	12137	0.872	ug/l	99
90) Hexachloroethane	12.60	117	2366	0.883	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	9031	1.053	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	1017	0.799	ug/l	94
93) 1,2,4-Trichlorobenzene	13.65	180	5899	0.957	ug/l	99
94) Hexachlorobutadiene	13.78	225	3352	0.997	ug/l	93
95) Naphthalene	13.83	128	15006	0.823	ug/l	98

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VSTDICC001

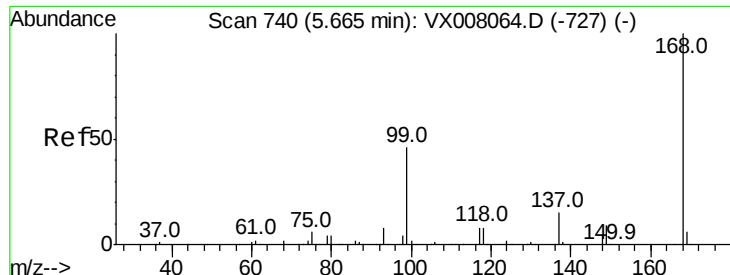
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	14.02	180	5652	0.920	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX008061.D

Acq: 14 Mar 2019 09:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:168 Resp: 458529

Ion Ratio Lower Upper

168 100

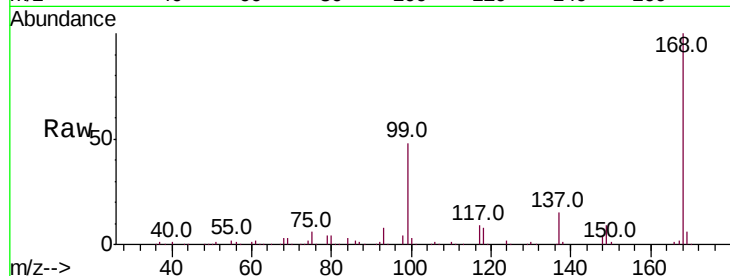
99 48.0 37.6 56.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

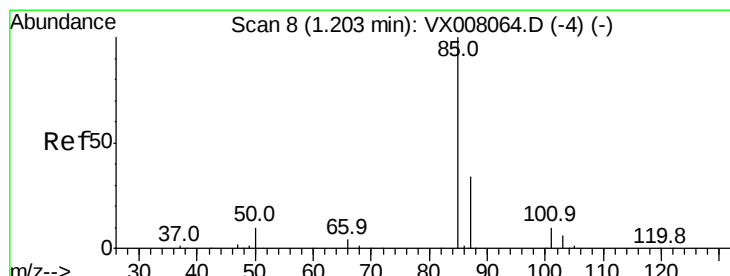
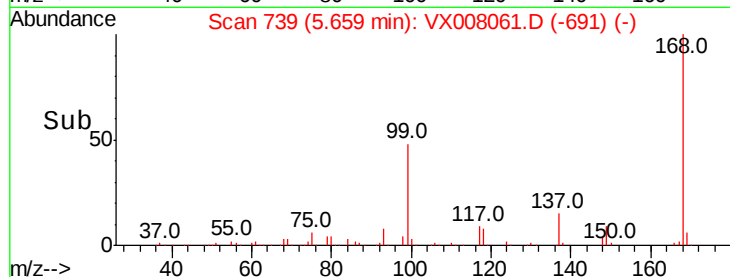
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.960 ug/l

RT: 1.20 min Scan# 8

Delta R.T. -0.00 min

Lab File: VX008061.D

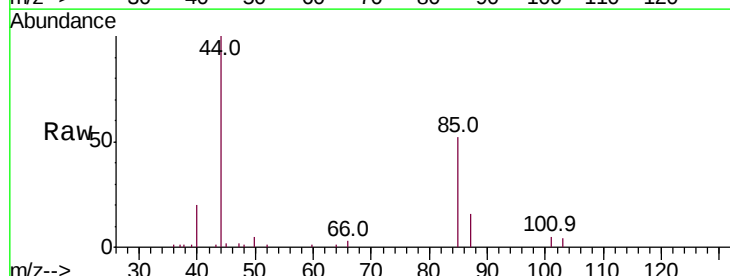
Acq: 14 Mar 2019 09:39

Tgt Ion: 85 Resp: 3544

Ion Ratio Lower Upper

85 100

87 31.4 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

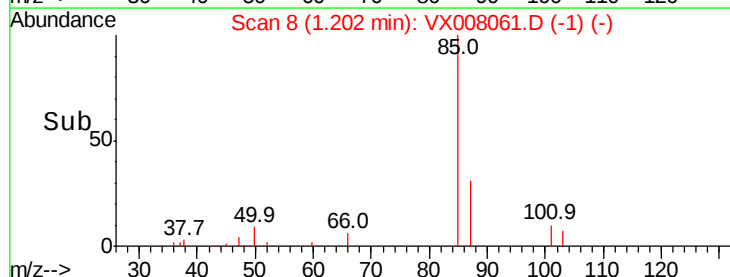
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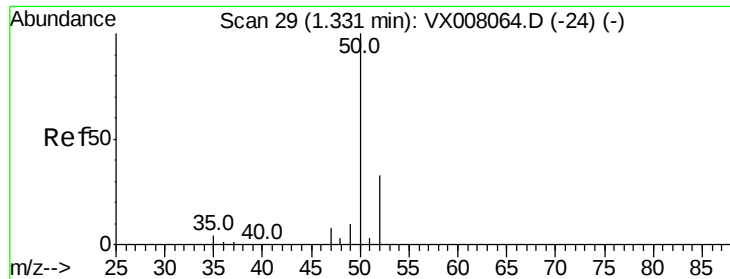
2000

1000

0

Time-->





#3

Chloromethane

Concen: 1.236 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX008061.D

Acq: 14 Mar 2019 09:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 50 Resp: 4949

Ion Ratio Lower Upper

50 100

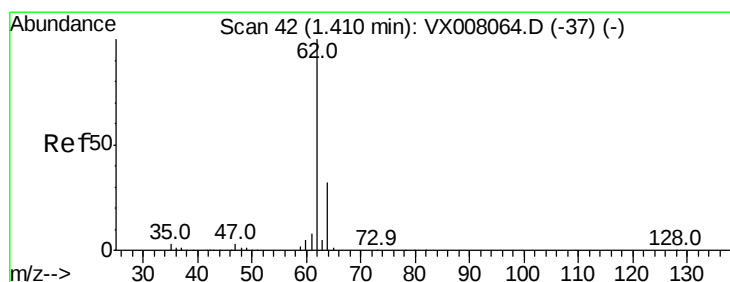
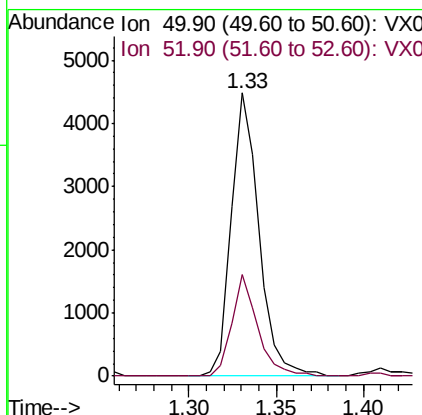
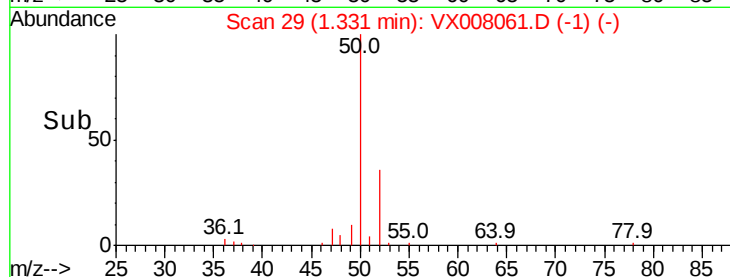
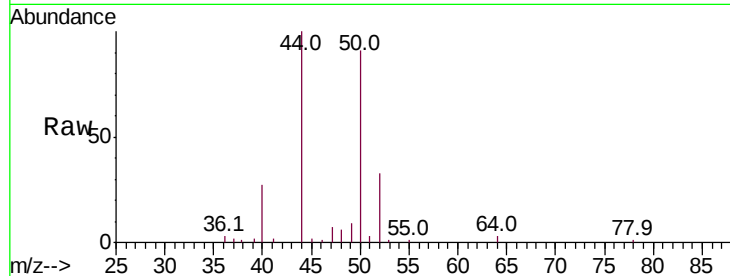
52 35.9 26.5 39.7

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#4

Vinyl Chloride

Concen: 1.153 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX008061.D

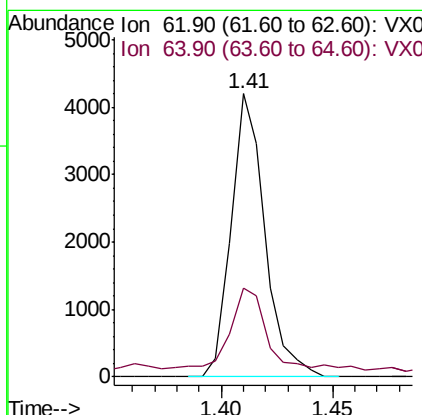
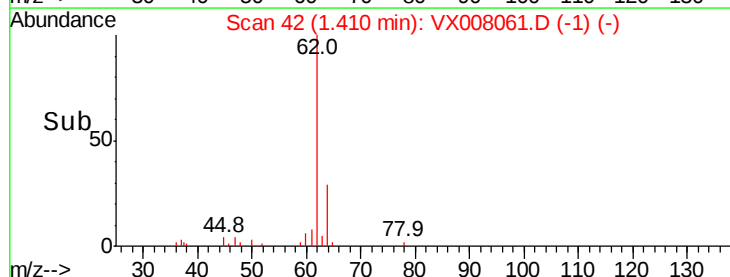
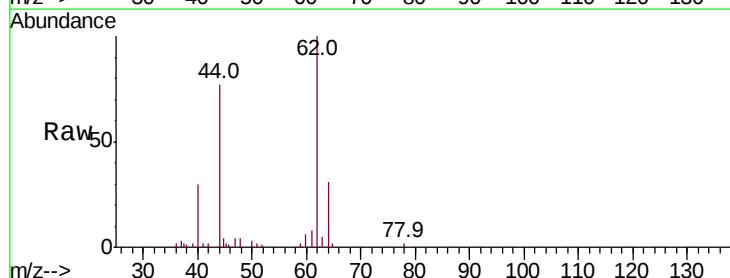
Acq: 14 Mar 2019 09:39

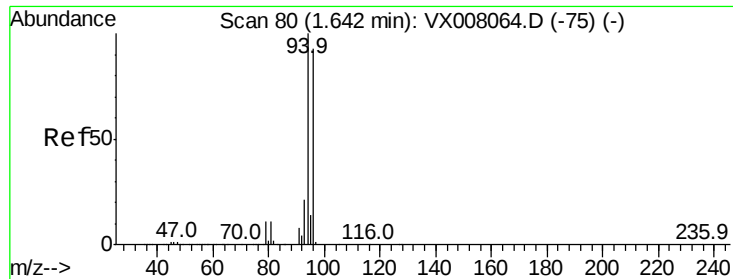
Tgt Ion: 62 Resp: 4408

Ion Ratio Lower Upper

62 100

64 28.0 25.3 37.9





#5

Bromomethane

Concen: 1.729 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX008061.D

Acq: 14 Mar 2019 09:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 94 Resp: 3357

Ion Ratio Lower Upper

94 100

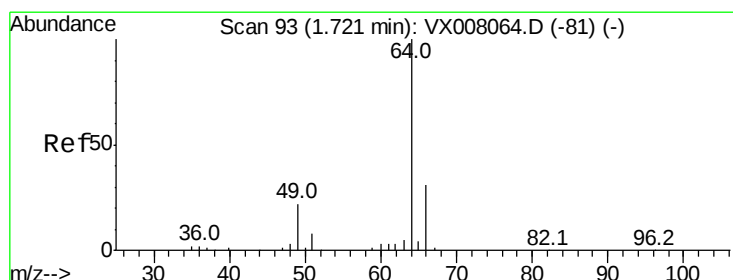
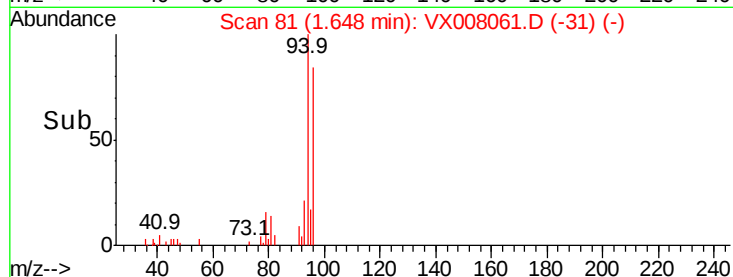
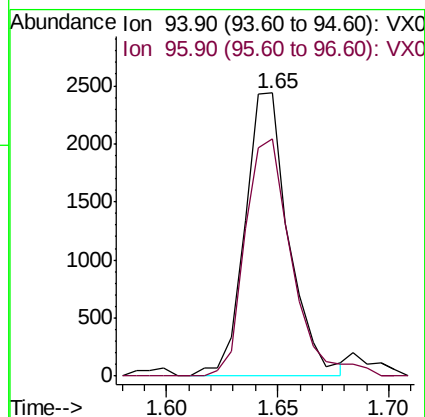
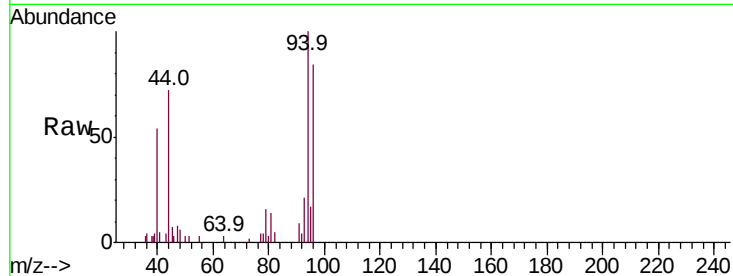
96 83.8 75.5 113.3

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#6

Chloroethane

Concen: 1.980 ug/l

RT: 1.73 min Scan# 95

Delta R.T. 0.01 min

Lab File: VX008061.D

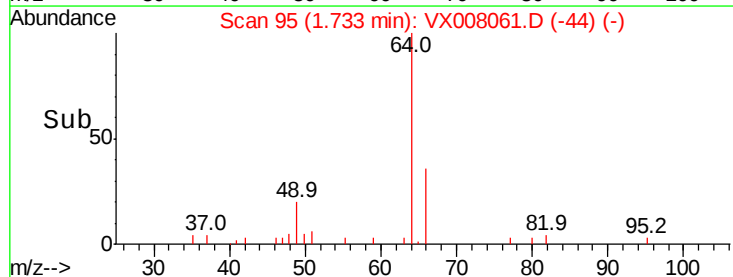
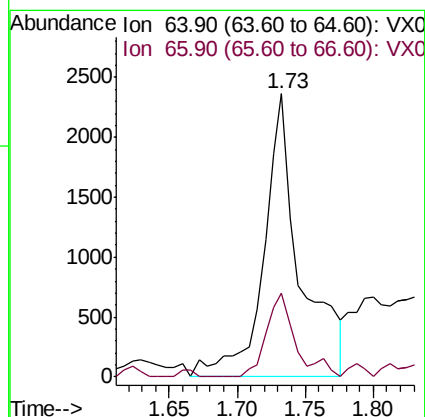
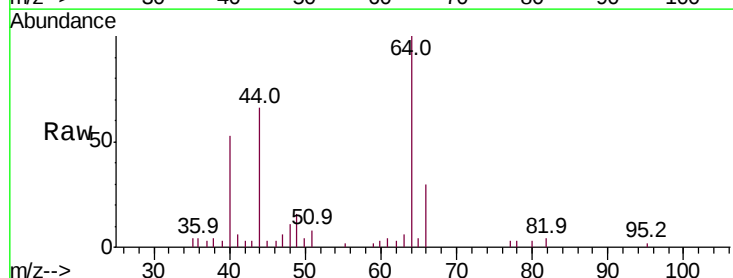
Acq: 14 Mar 2019 09:39

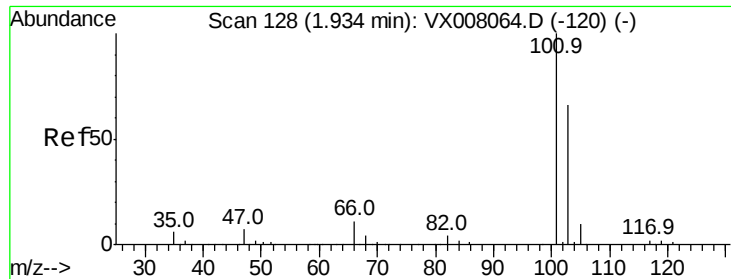
Tgt Ion: 64 Resp: 4444

Ion Ratio Lower Upper

64 100

66 29.8 25.2 37.8





#7

Trichlorofluoromethane

Concen: 1.217 ug/l

RT: 1.93 min Scan# 128

Delta R.T. -0.00 min

Lab File: VX008061.D

Acq: 14 Mar 2019 09:39

Instrument :

MSVOA_X

ClientSampleId :

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Tot Ion:101 Resp: 5514

Ion Ratio Lower Upper

101 100

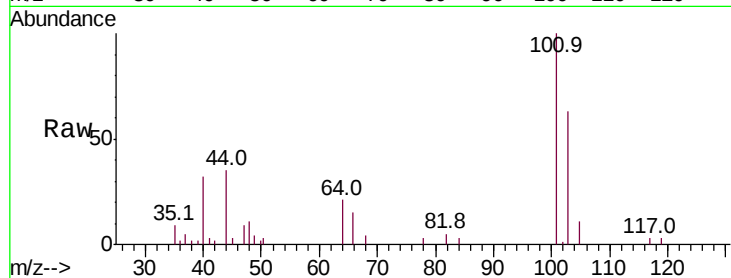
103 63.2 50.4 75.6

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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

1.93

4000

3000

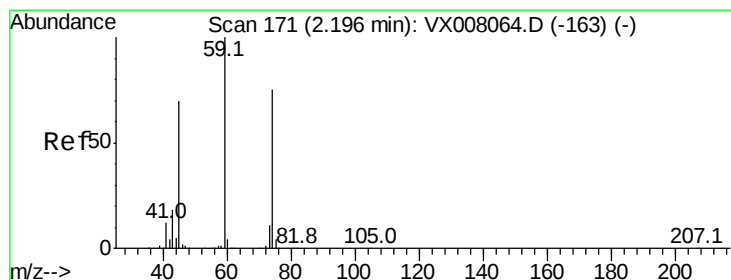
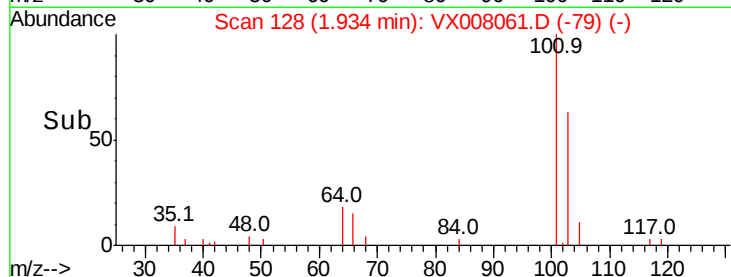
2000

1000

0

Time-->

1.90 1.95 2.00



#8

Diethyl Ether

Concen: 0.989 ug/l

RT: 2.19 min Scan# 170

Delta R.T. -0.01 min

Lab File: VX008061.D

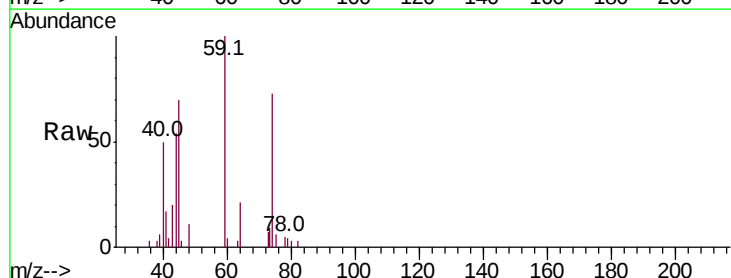
Acq: 14 Mar 2019 09:39

Tgt Ion: 74 Resp: 2413

Ion Ratio Lower Upper

74 100

45 115.1 52.1 156.4



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2.19

1500

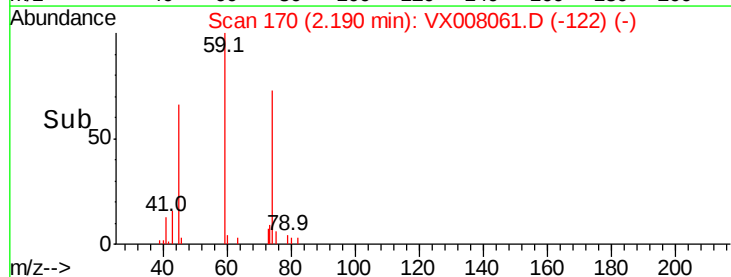
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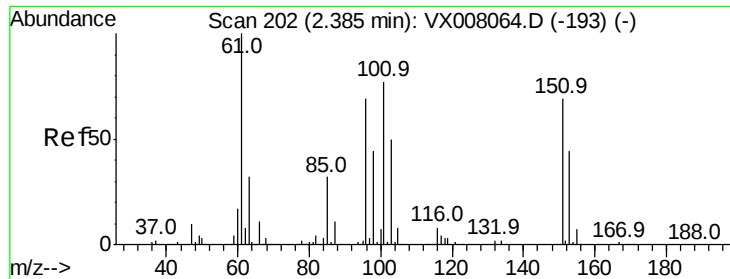
500

0

Time-->

2.15 2.20 2.25





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.030 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX008061.D

Acq: 14 Mar 2019 09:39

Instrument :

MSVOA_X

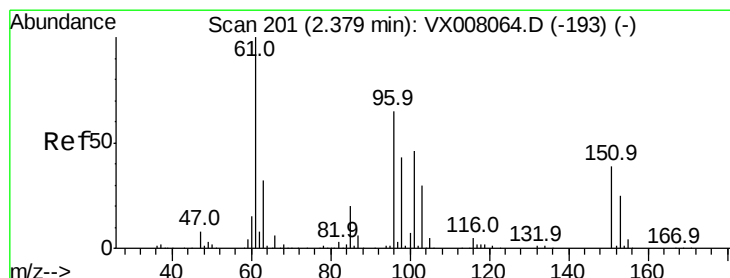
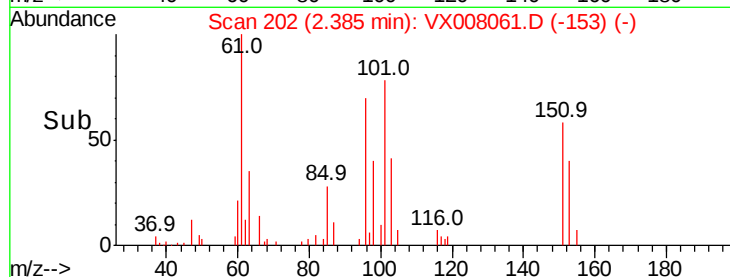
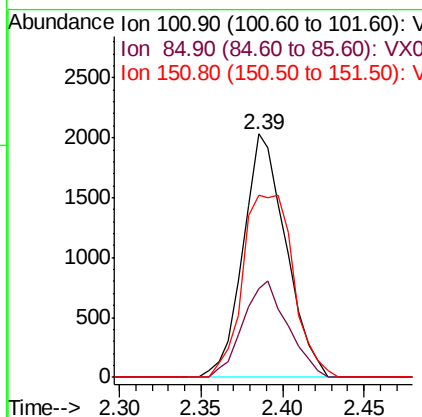
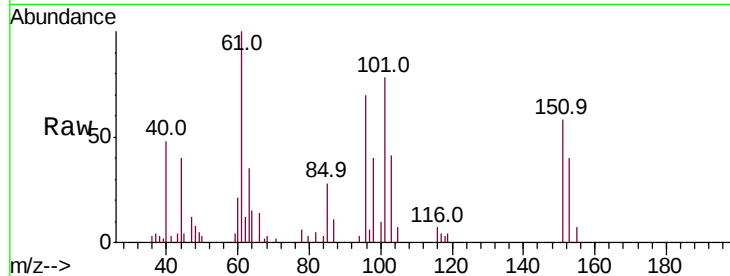
ClientSampleId :

VSTDIC001

Tot Ion:	101	Resp:	3705
Ion Ratio	Lower	Upper	
101	100		
85	41.3	33.8	50.6
151	88.5	69.1	103.7

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#12

1,1-Dichloroethene

Concen: 1.021 ug/l

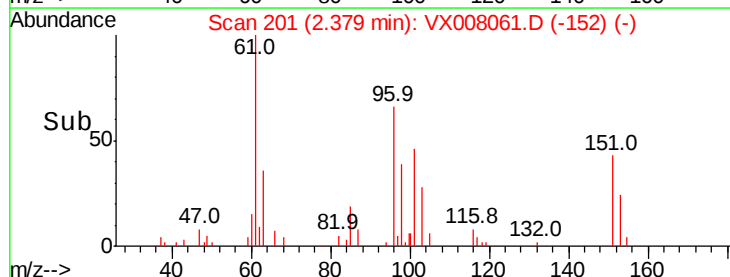
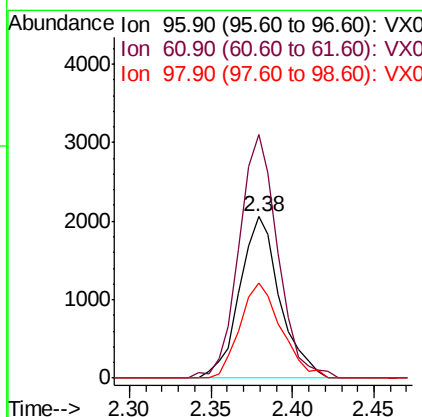
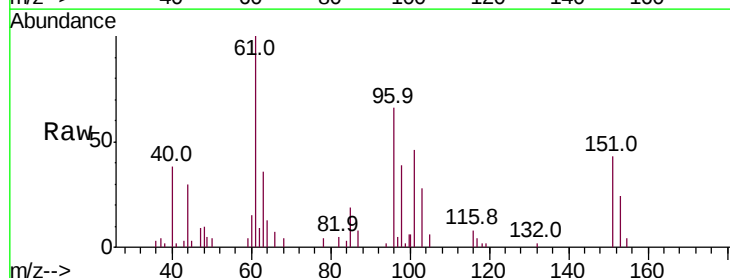
RT: 2.38 min Scan# 201

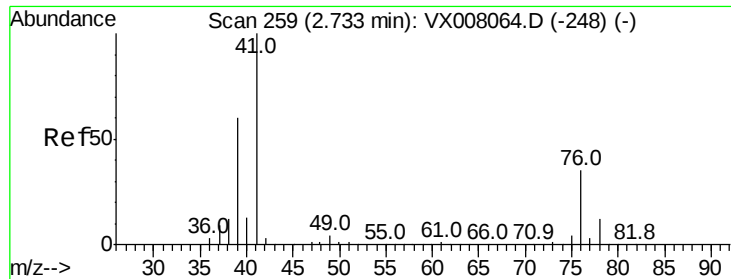
Delta R.T. -0.00 min

Lab File: VX008061.D

Acq: 14 Mar 2019 09:39

Tgt Ion:	96	Resp:	3533
Ion Ratio	Lower	Upper	
96	100		
61	151.1	129.8	194.6
98	58.8	51.0	76.6





#14

Allvl chloride

Concen: 0.951 ug/l

RT: 2.73 min Scan# 259

Delta R.T. -0.00 min

Lab File: VX008061.D

Acq: 14 Mar 2019 09:39

Instrument :

MSVOA_X

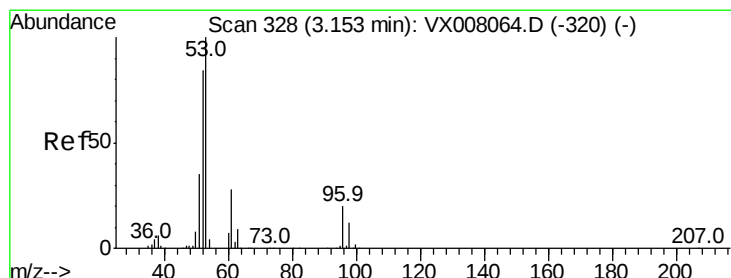
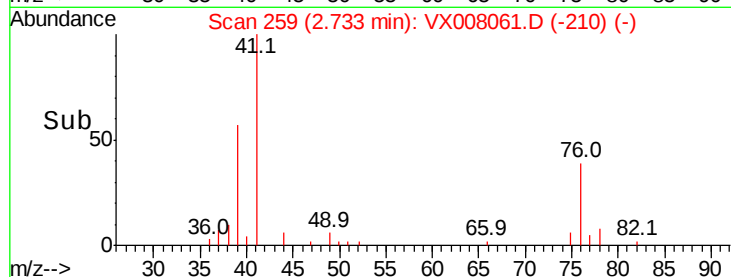
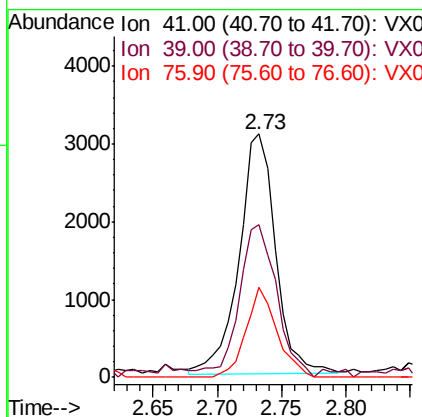
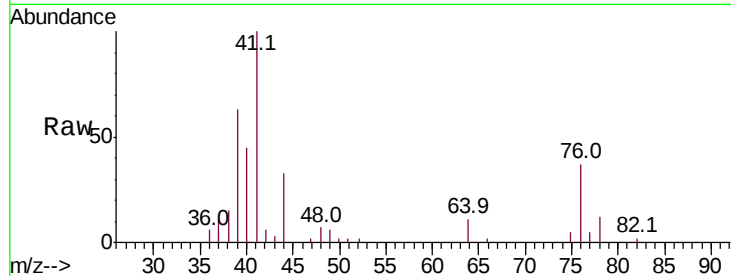
ClientSampleId :

VSTDIC001

Tot Ion:	41	Resp:	6034
Ion	Ratio	Lower	Upper
41	100		
39	65.5	46.1	69.1
76	31.8	24.0	36.0

Manual Integrations
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#15

Acrylonitrile

Concen: 5.116 ug/l

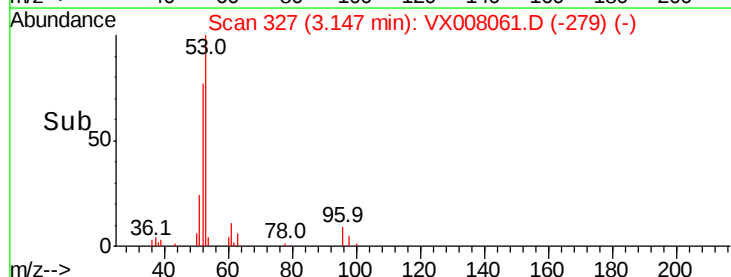
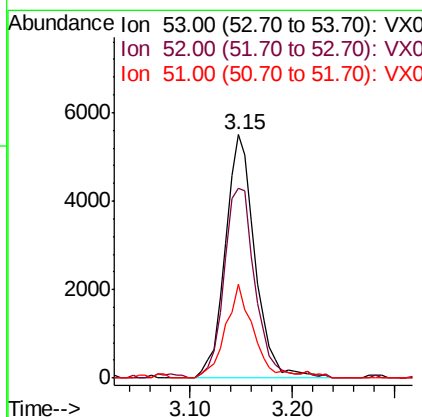
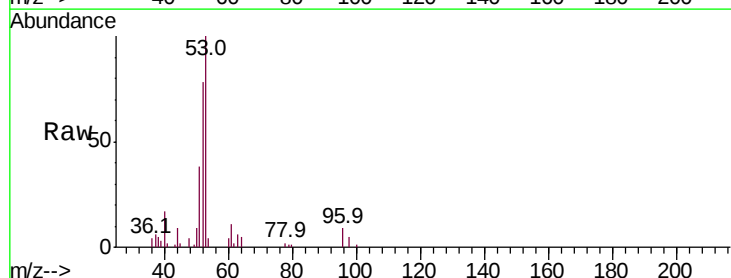
RT: 3.15 min Scan# 327

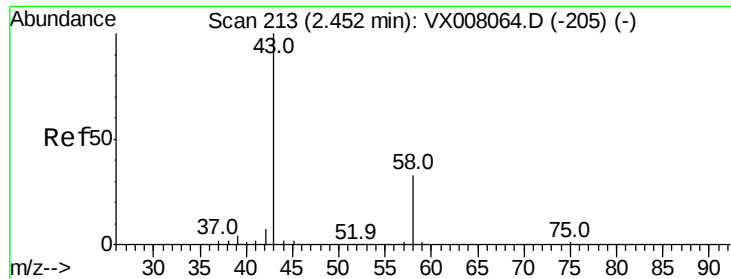
Delta R.T. -0.01 min

Lab File: VX008061.D

Acq: 14 Mar 2019 09:39

Tgt Ion:	53	Resp:	11073
Ion	Ratio	Lower	Upper
53	100		
52	80.7	66.0	99.0
51	35.9	28.0	42.0





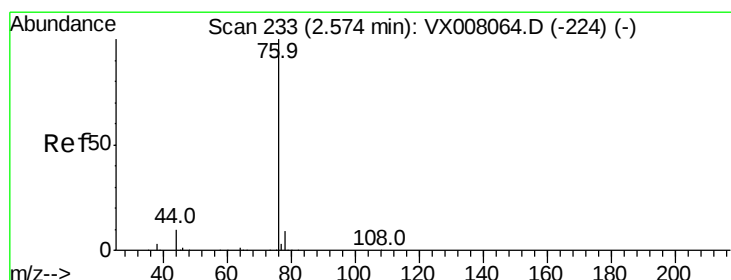
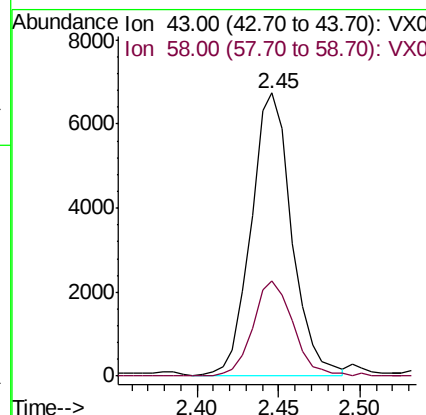
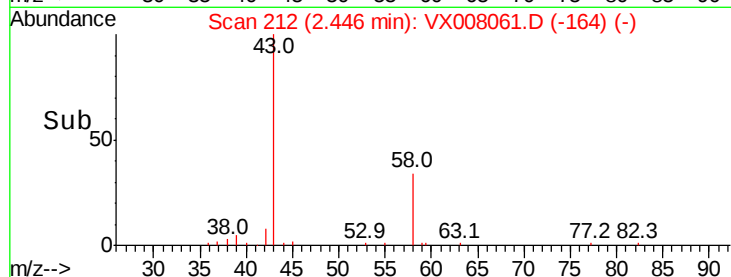
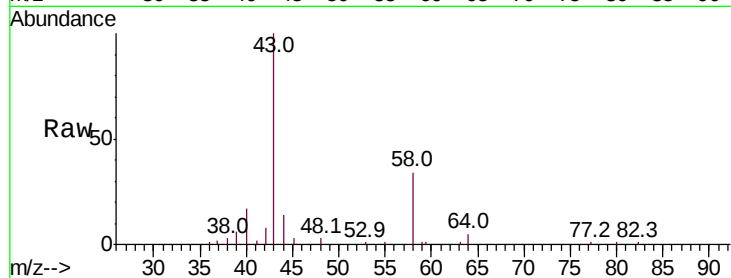
#16
Acetone
Concen: 5.587 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.01 min
Lab File: VX008061.D
Acq: 14 Mar 2019 09:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion: 43 Resp: 11733
Ion Ratio Lower Upper
43 100
58 33.5 25.5 38.3

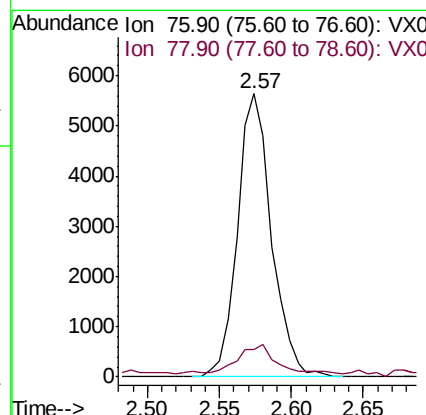
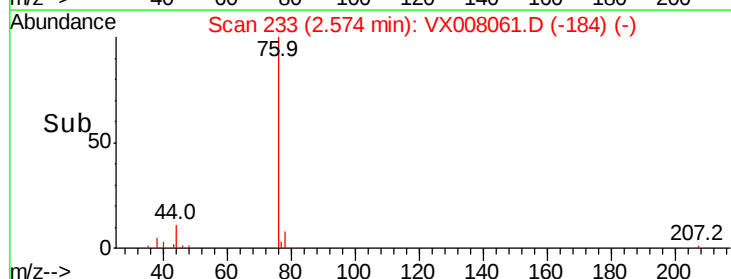
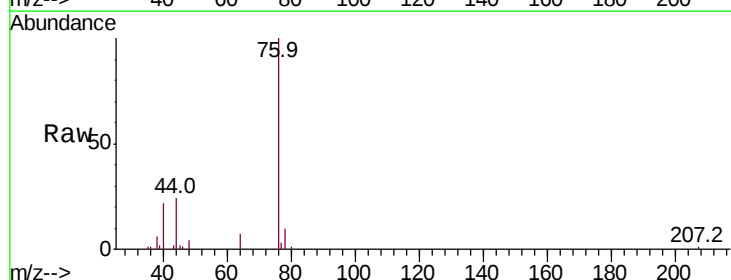
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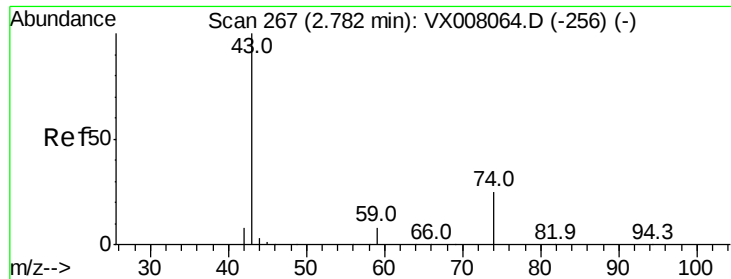
MMDadoda
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#17
Carbon Disulfide
Concen: 0.894 ug/l
RT: 2.57 min Scan# 233
Delta R.T. -0.00 min
Lab File: VX008061.D
Acq: 14 Mar 2019 09:39

Tgt Ion: 76 Resp: 9226
Ion Ratio Lower Upper
76 100
78 8.4 7.2 10.8





#18

Methyl Acetate

Concen: 0.983 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX008061.D

Acq: 14 Mar 2019 09:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 4674

Ion Ratio Lower Upper

43 100

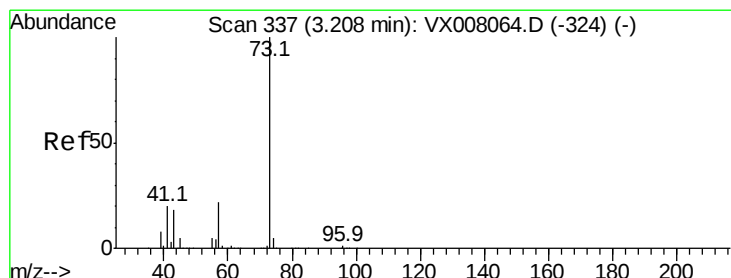
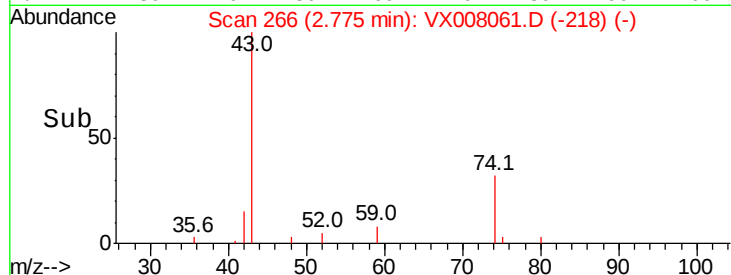
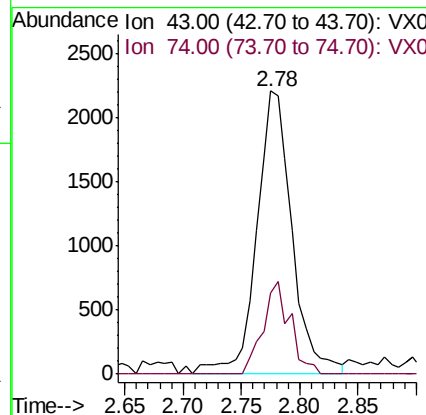
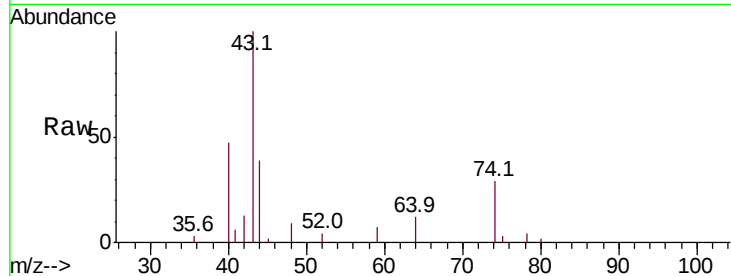
74 25.3 17.8 26.6

Manual Integrations

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#19

Methyl tert-butyl Ether

Concen: 1.011 ug/l

RT: 3.20 min Scan# 336

Delta R.T. -0.01 min

Lab File: VX008061.D

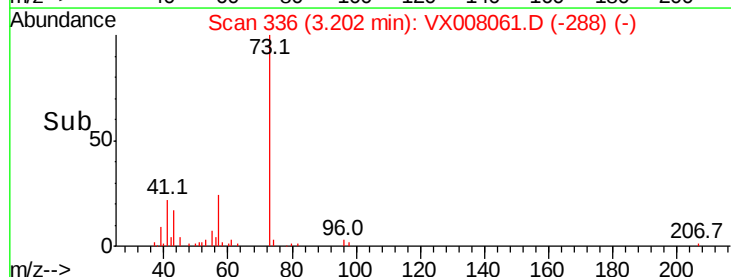
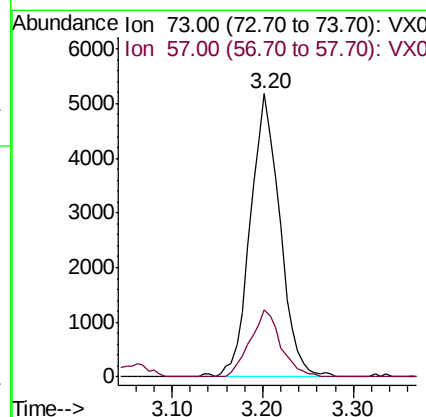
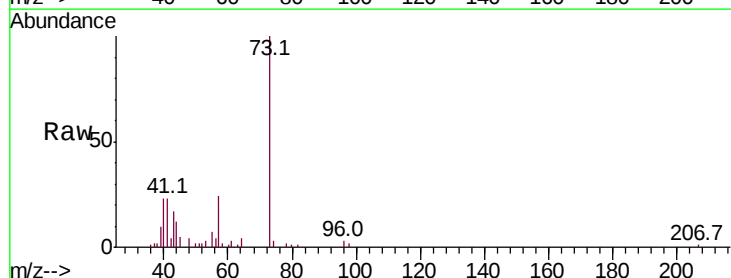
Acq: 14 Mar 2019 09:39

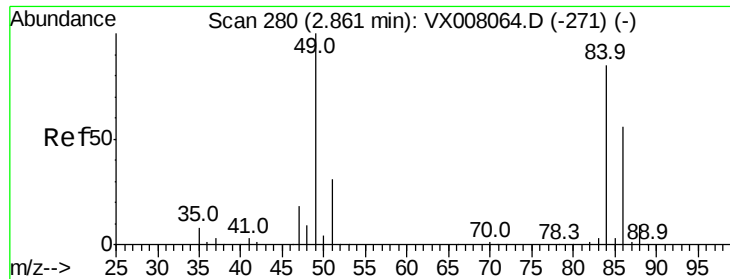
Tgt Ion: 73 Resp: 11722

Ion Ratio Lower Upper

73 100

57 23.6 18.2 27.4





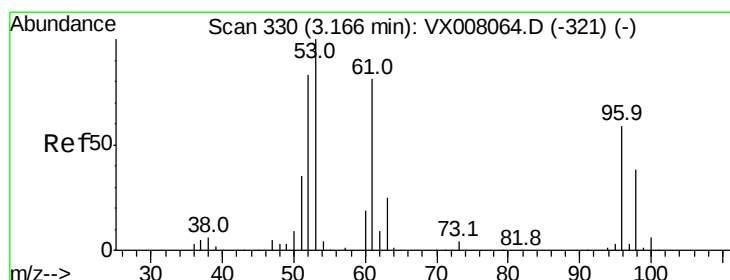
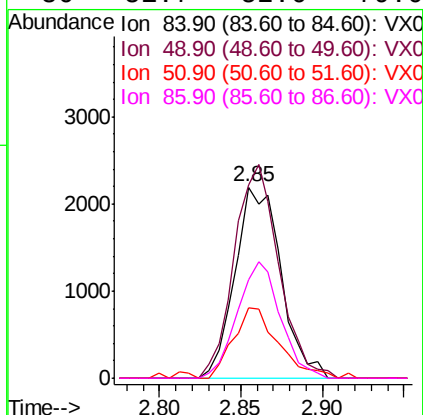
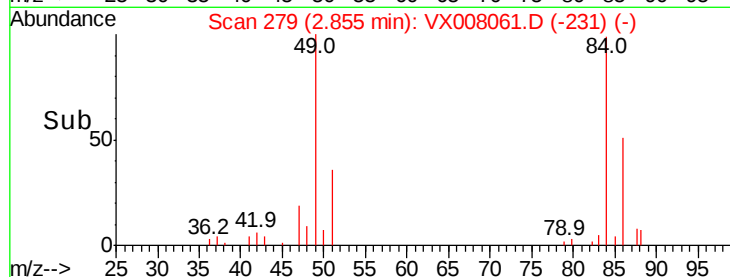
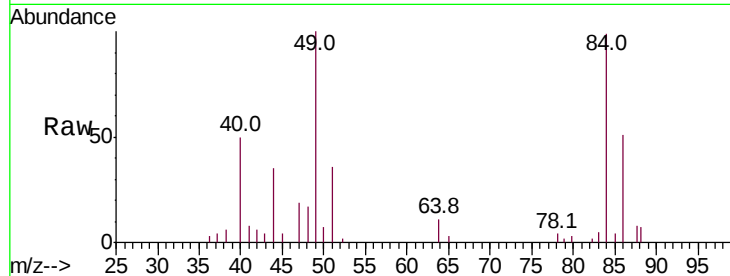
#20
Methvlene Chloride
Concen: 1.134 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX008061.D
Acq: 14 Mar 2019 09:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion:	84	Resp:	4307
Ion	Ratio	Lower	Upper
84	100		
49	101.1	99.3	148.9
51	36.6	31.3	46.9
86	51.7	52.6	79.0#

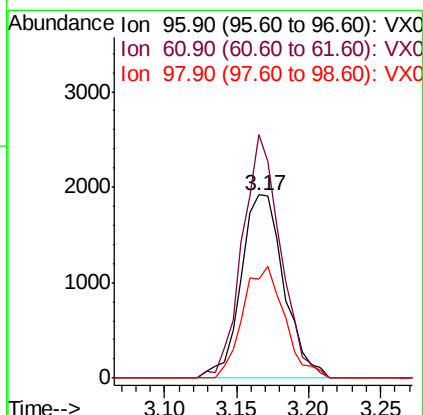
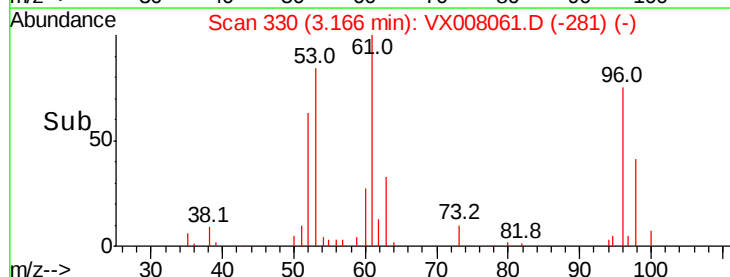
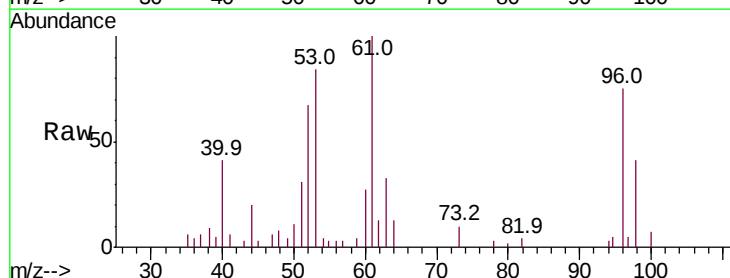
Manual Integrations
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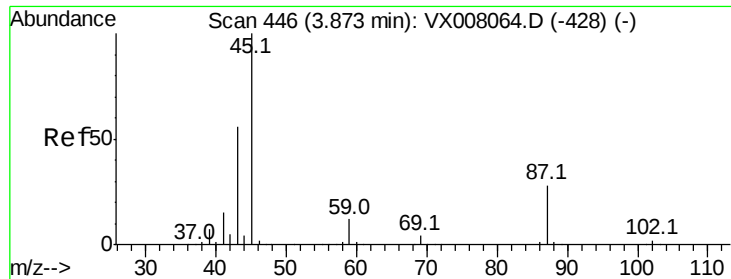
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#21
trans-1,2-Dichloroethene
Concen: 1.072 ug/l
RT: 3.17 min Scan# 330
Delta R.T. -0.00 min
Lab File: VX008061.D
Acq: 14 Mar 2019 09:39

Tgt Ion:	96	Resp:	3960
Ion	Ratio	Lower	Upper
96	100		
61	132.8	114.4	171.6
98	54.2	51.1	76.7





#22

Diisopropyl ether

Concen: 0.961 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.01 min

Lab File: VX008061.D

Acq: 14 Mar 2019 09:39

Instrument :

MSVOA_X

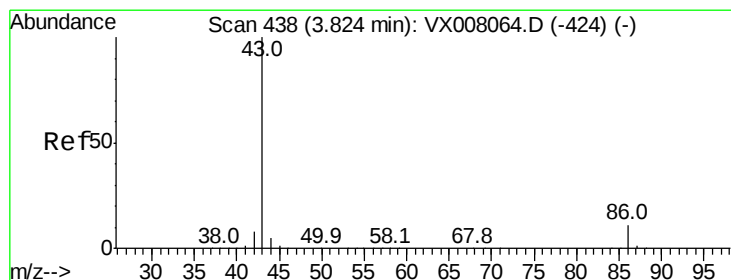
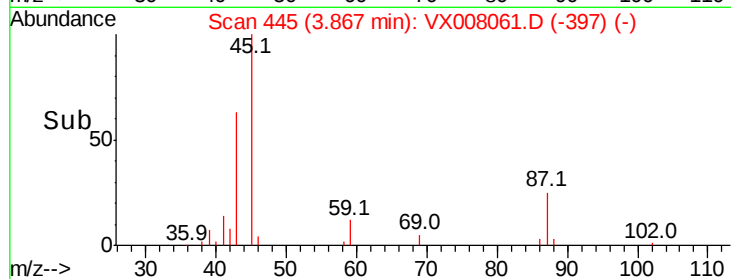
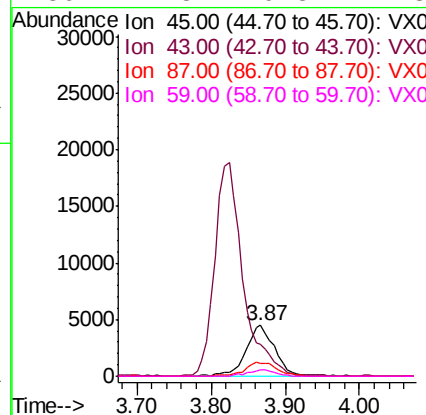
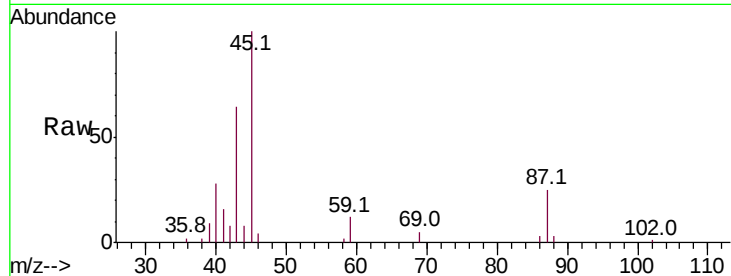
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
45	100		
43	63.5	45.3	67.9
87	24.9	21.4	32.0
59	11.8	9.5	14.3

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#23

Vinyl Acetate

Concen: 4.487 ug/l

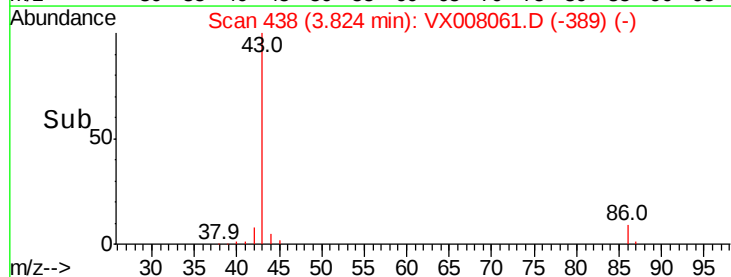
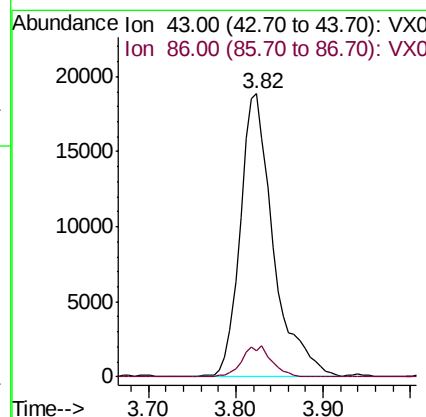
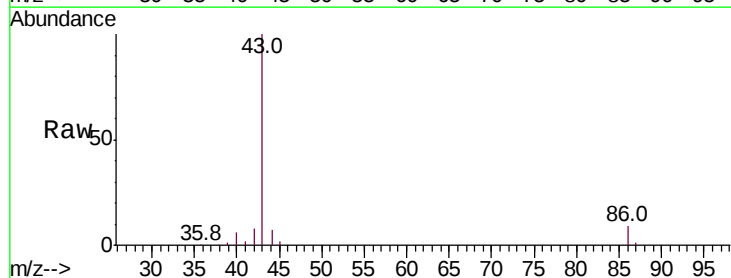
RT: 3.82 min Scan# 438

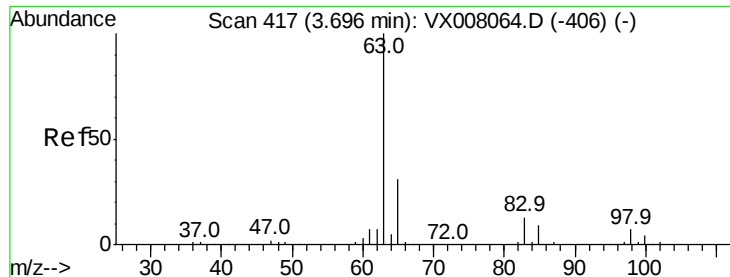
Delta R.T. -0.00 min

Lab File: VX008061.D

Acq: 14 Mar 2019 09:39

Tgt Ion	Ratio	Lower	Upper
43	100		
86	9.2	7.9	11.9





#24

1,1-Dichloroethane

Concen: 0.990 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.01 min

Lab File: VX008061.D

Acq: 14 Mar 2019 09:39

Instrument :

MSVOA_X

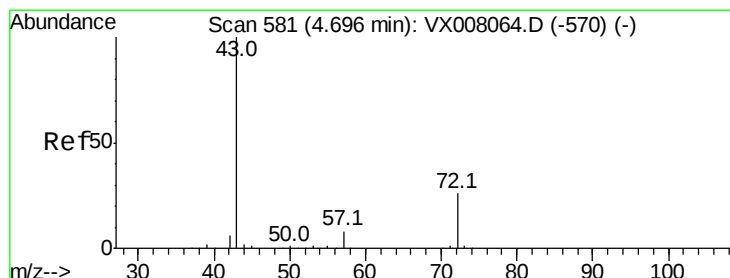
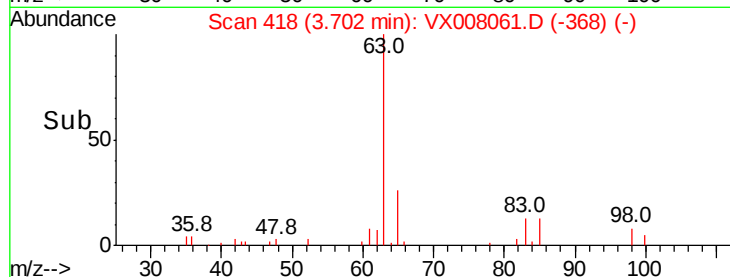
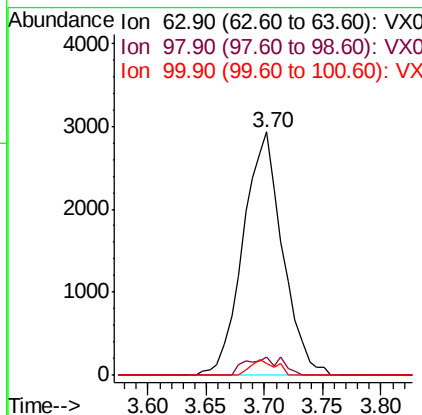
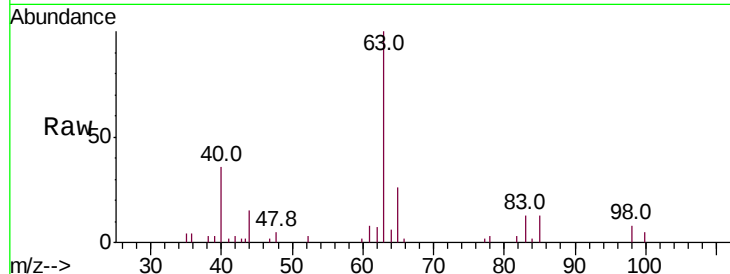
ClientSampleId :

VSTDIC001

Tot Ion:	63	Resp:	6911
Ion	Ratio	Lower	Upper
63	100		
98	7.7	3.3	9.8
100	4.8	2.3	6.8

Manual Integrations
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#25

2-Butanone

Concen: 5.048 ug/l

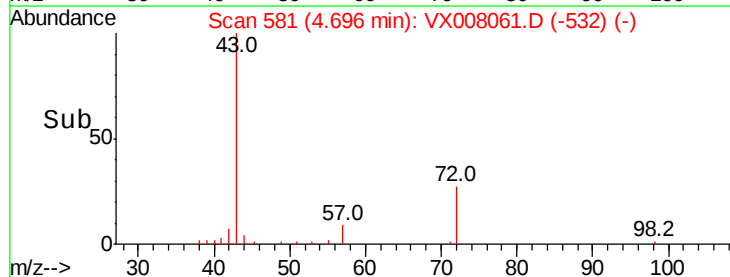
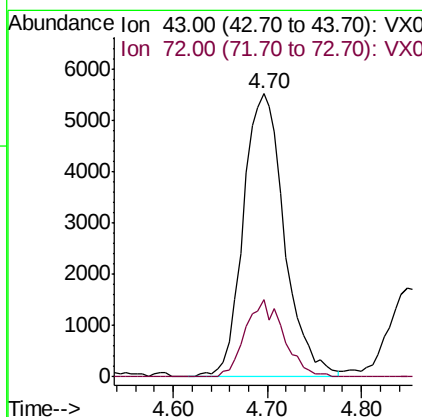
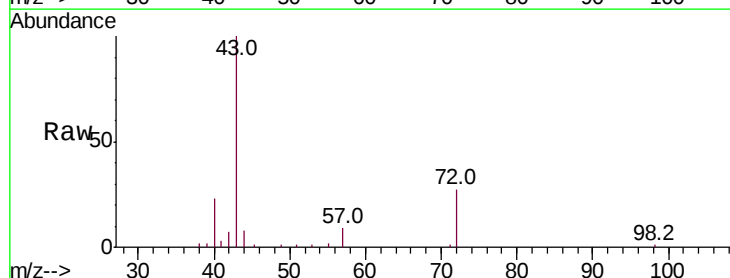
RT: 4.70 min Scan# 581

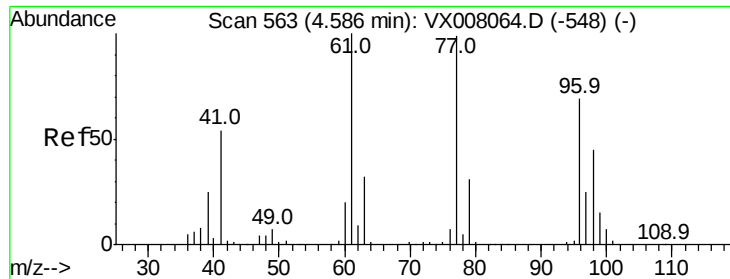
Delta R.T. -0.00 min

Lab File: VX008061.D

Acq: 14 Mar 2019 09:39

Tgt Ion:	43	Resp:	16866
Ion	Ratio	Lower	Upper
43	100		
72	27.4	19.9	29.9





#26

2,2-Dichloropropane

Concen: 0.955 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX008061.D

Acq: 14 Mar 2019 09:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 77 Resp: 4984

Ion Ratio Lower Upper

77 100

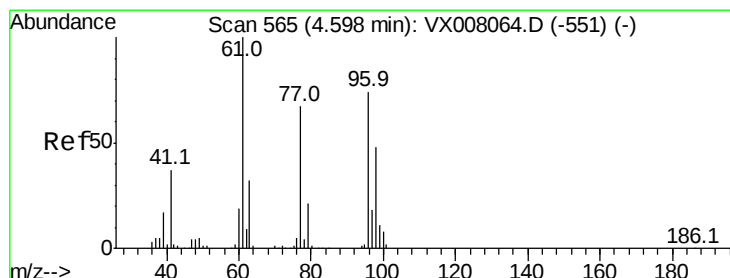
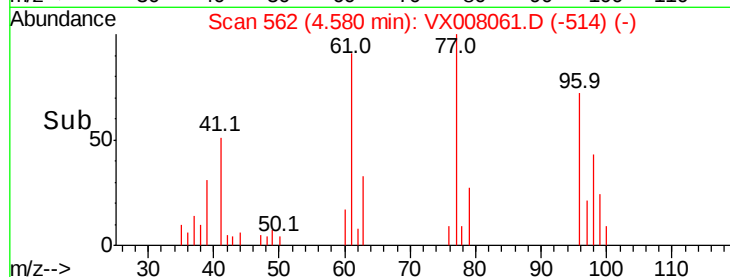
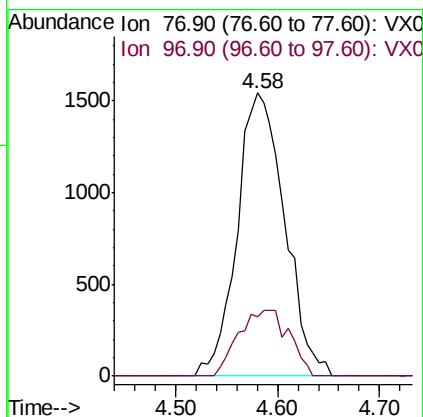
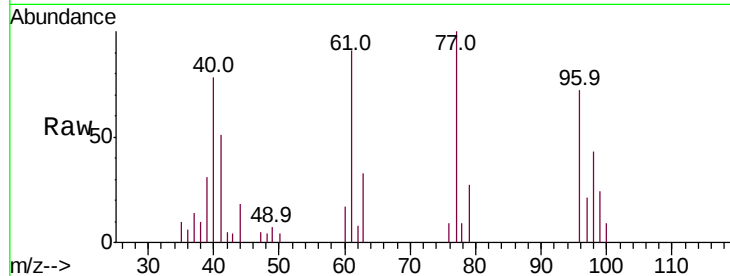
97 24.8 12.2 36.6

Manual Integrations

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#27

cis-1,2-Dichloroethene

Concen: 1.047 ug/l

RT: 4.59 min Scan# 564

Delta R.T. -0.01 min

Lab File: VX008061.D

Acq: 14 Mar 2019 09:39

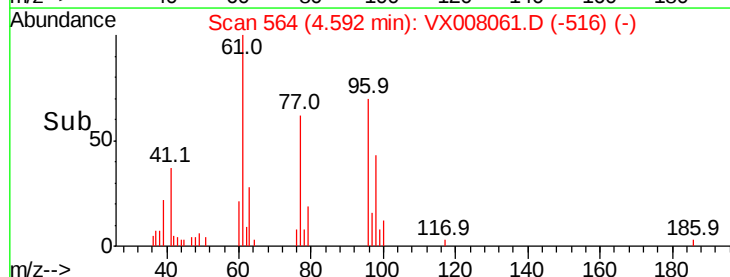
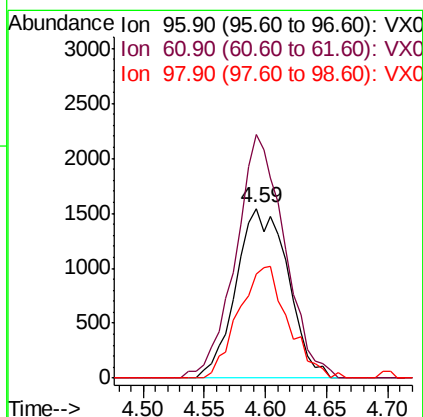
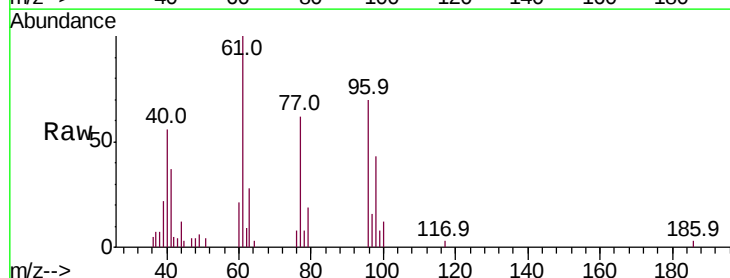
Tgt Ion: 96 Resp: 4538

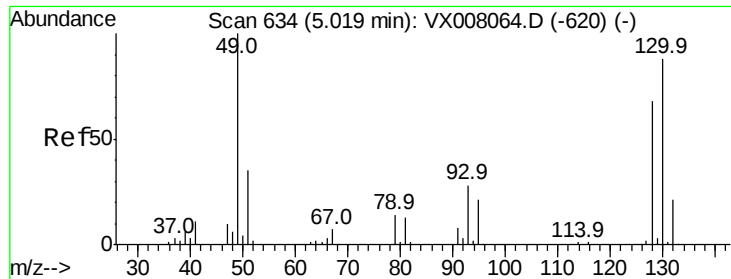
Ion Ratio Lower Upper

96 100

61 135.4 0.0 288.0

98 63.1 0.0 129.0





#28

Bromochloromethane

Concen: 0.811 ug/l

RT: 5.01 min Scan# 633

Delta R.T. -0.01 min

Lab File: VX008061.D

Acq: 14 Mar 2019 09:39

Instrument :

MSVOA_X

ClientSampleId :

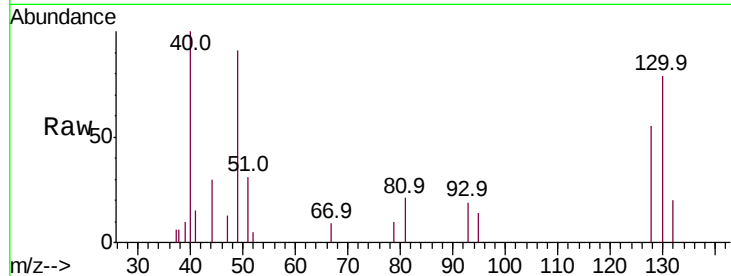
VSTDIC001

Tot Ion: 49 Resp: 2725

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.0
130	88.4	65.0	97.4

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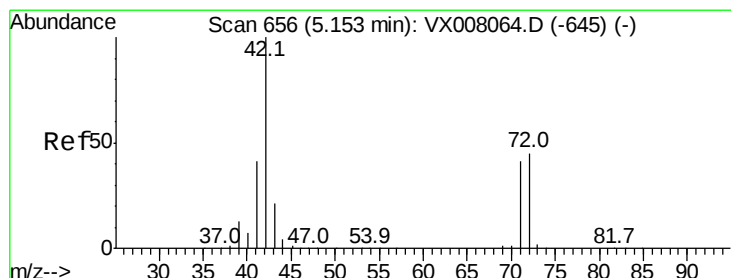
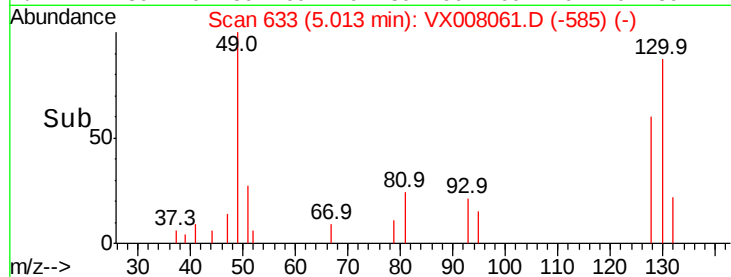
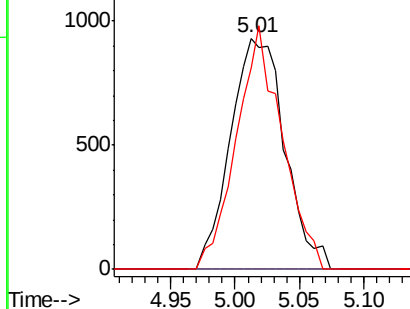
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Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#29

Tetrahydrofuran

Concen: 4.852 ug/l

RT: 5.15 min Scan# 656

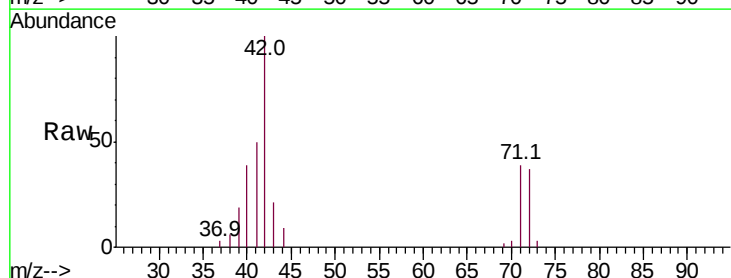
Delta R.T. -0.00 min

Lab File: VX008061.D

Acq: 14 Mar 2019 09:39

Tgt Ion: 42 Resp: 10291

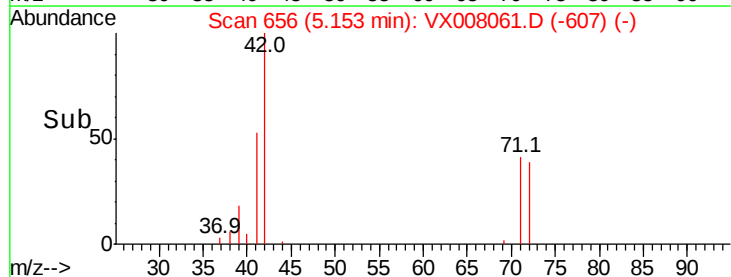
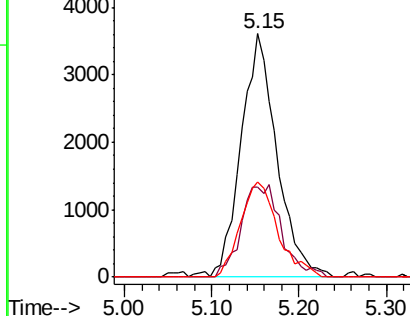
Ion	Ratio	Lower	Upper
42	100		
72	42.5	33.8	50.6
71	40.8	31.5	47.3

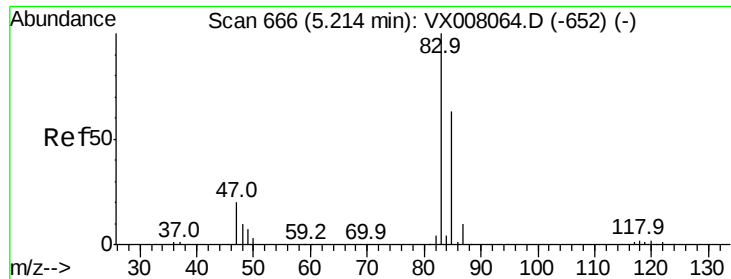


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





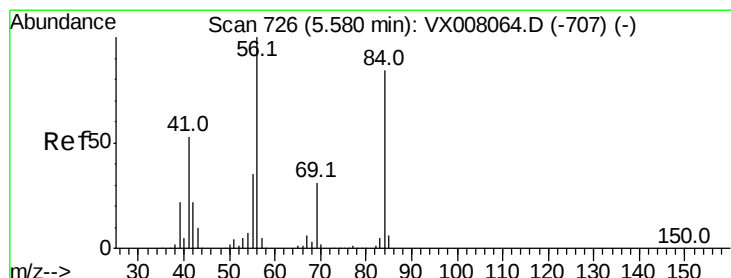
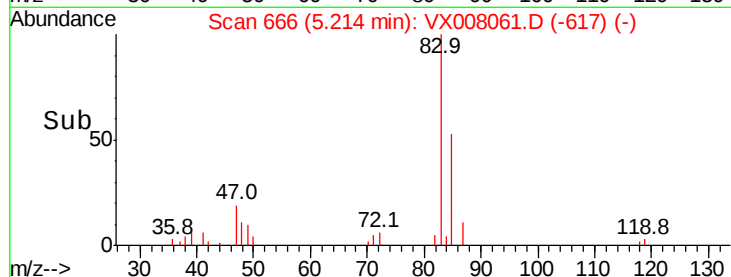
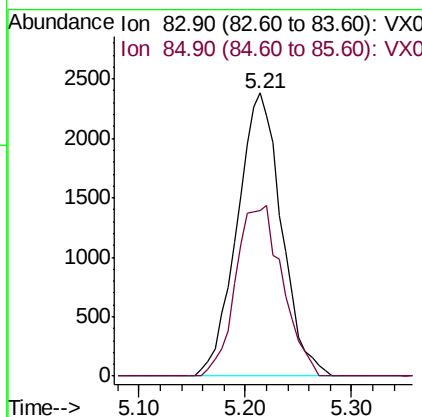
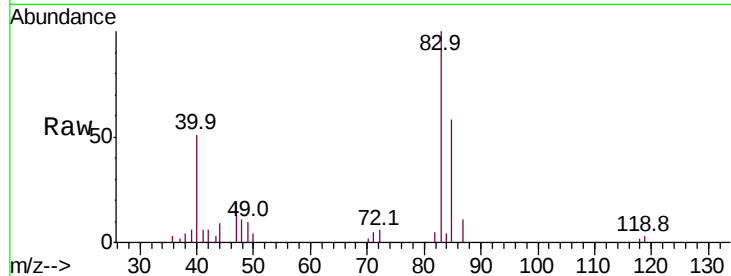
#30
Chloroform
Concen: 1.019 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX008061.D
Acq: 14 Mar 2019 09:39

Instrument :
MSVOA_X
ClientSampled :
VSTDIC001

Tot Ion: 83 Resp: 6955
Ion Ratio Lower Upper
83 100
85 58.4 51.8 77.6

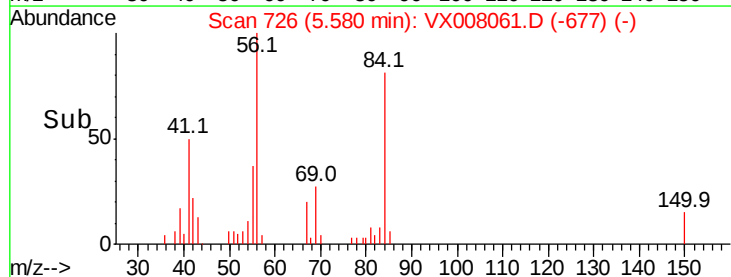
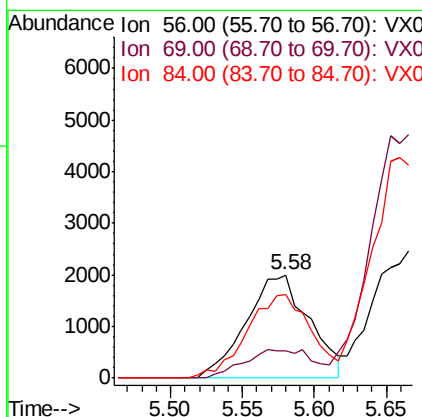
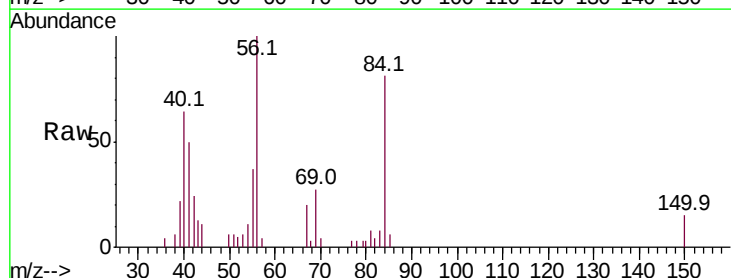
Manual Integrations
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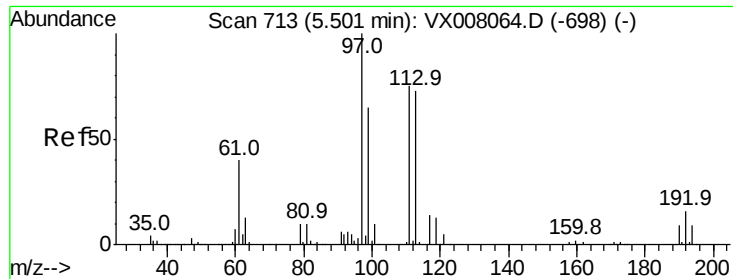
MMDadoda
3/15/2019 9:06:43 AM



#31
Cyclohexane
Concen: 0.915 ug/l
RT: 5.58 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX008061.D
Acq: 14 Mar 2019 09:39

Tgt Ion: 56 Resp: 6068
Ion Ratio Lower Upper
56 100
69 27.1 24.0 36.0
84 81.3 65.3 97.9





#32

1,1,1-Trichloroethane

Concen: 0.909 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX008061.D

Acq: 14 Mar 2019 09:39

Instrument :

MSVOA_X

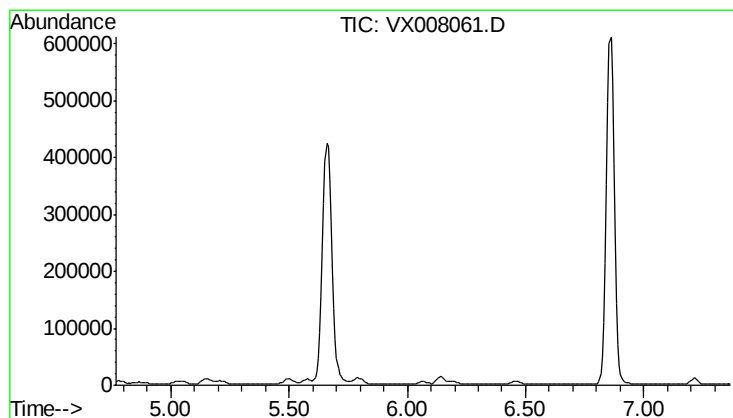
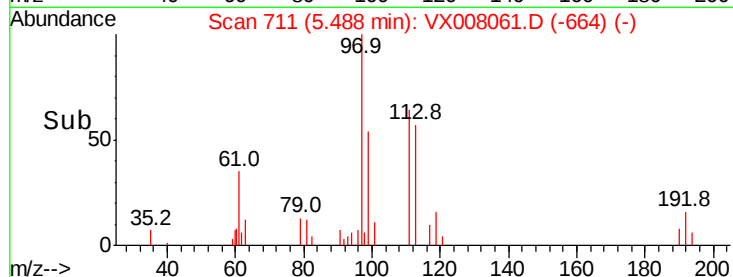
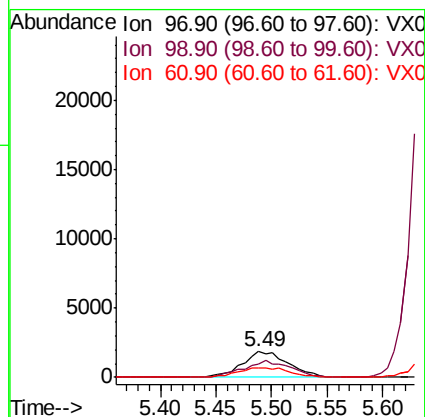
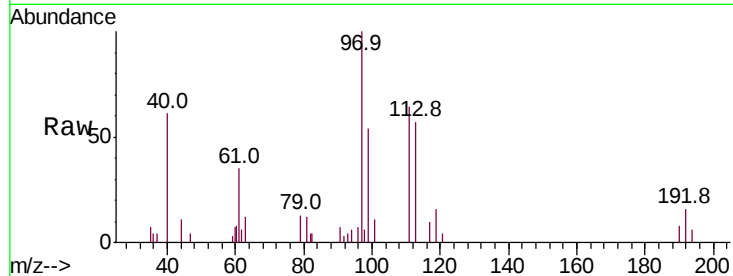
ClientSampleId :

VSTDIC001

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
99	0.0	52.2	78.2#	
61	40.4	34.9	52.3	

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#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 6.07 min

Lab File: VX008061.D

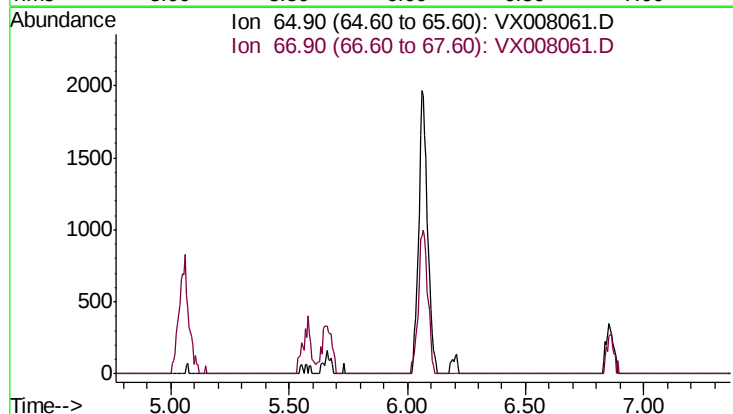
Acq: 14 Mar 2019 09:39

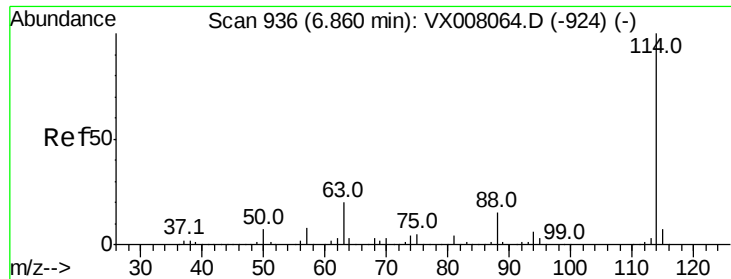
Tgt Ion: 65

Sig Exp Ratio

65 100

67 55.0





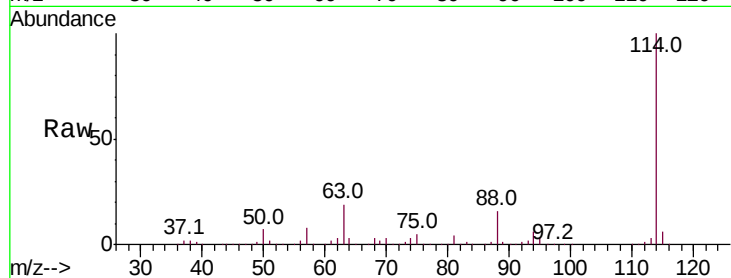
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008061.D
 Acq: 14 Mar 2019 09:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

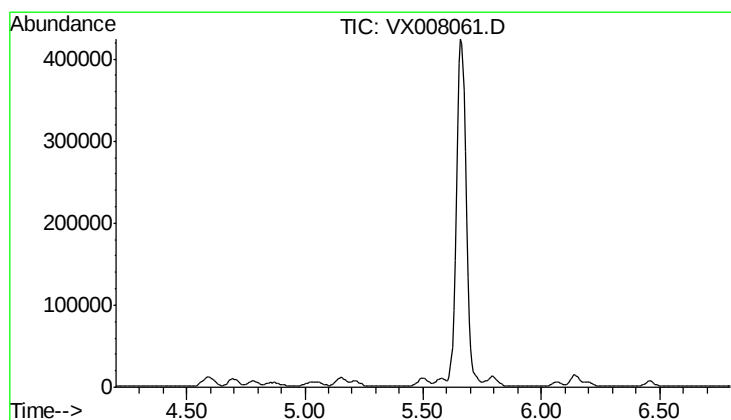
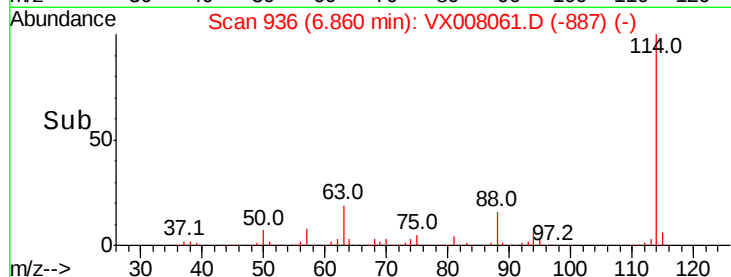
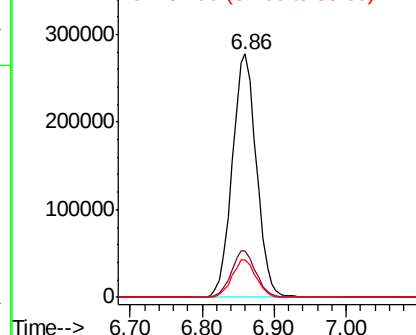
Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	19.2	0.0	39.8
88	15.5	0.0	31.4

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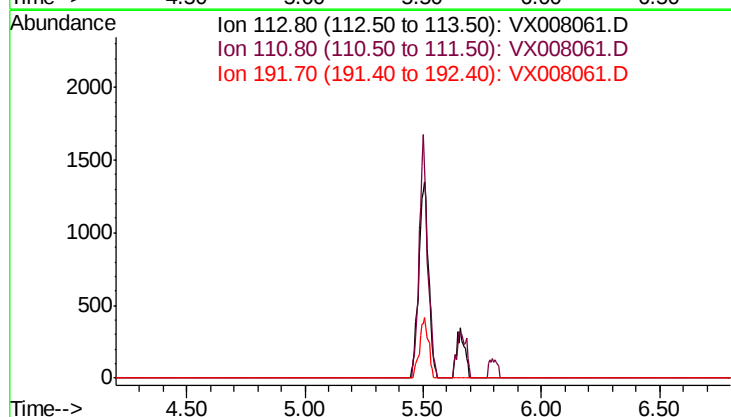


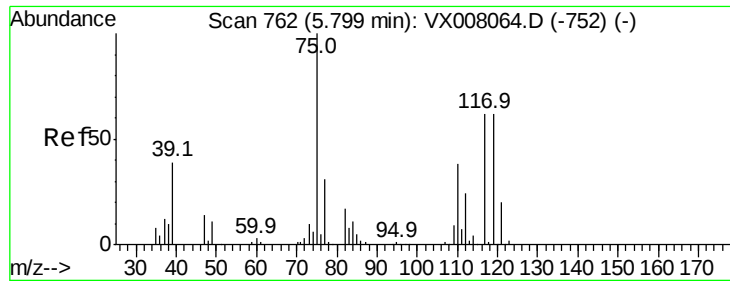
Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0



#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 5.50 min
 Lab File: VX008061.D
 Acq: 14 Mar 2019 09:39

Tgt Ion	Exp Ratio
113	100
111	101.7
192	24.2





#36

1,1-Dichloropropene

Concen: 1.015 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: VX008061.D

Acq: 14 Mar 2019 09:39

Instrument :

MSVOA_X

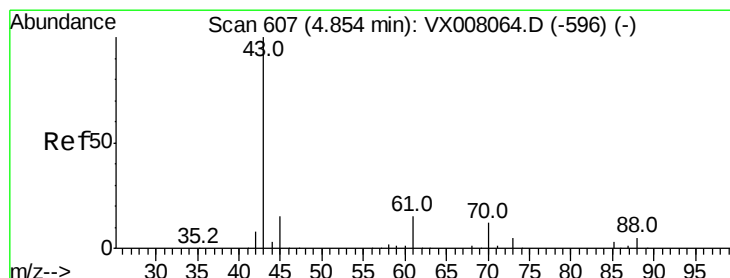
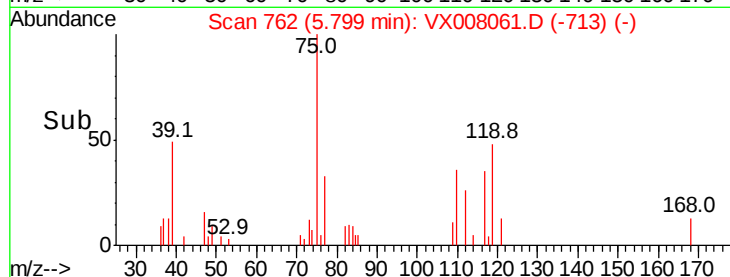
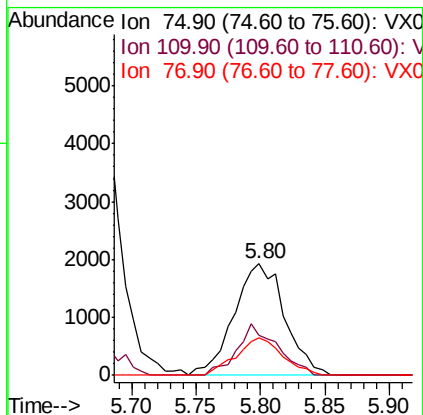
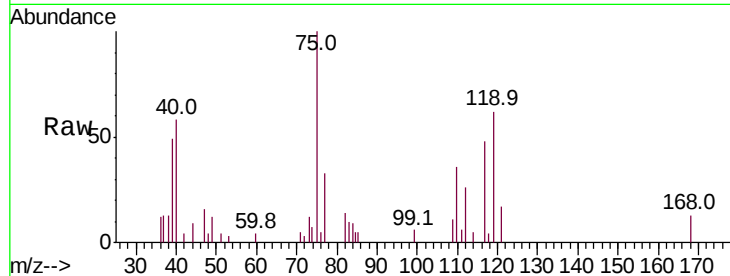
ClientSampleId :

VSTDIC001

Tot Ion:	75	Resp:	5265
Ion	Ratio	Lower	Upper
75	100		
110	36.7	18.4	55.0
77	30.6	25.0	37.4

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#37

Ethyl Acetate

Concen: 0.926 ug/l

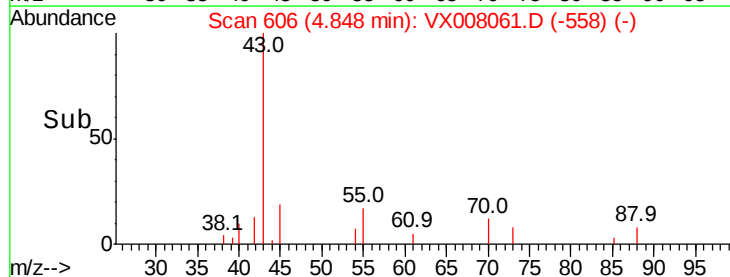
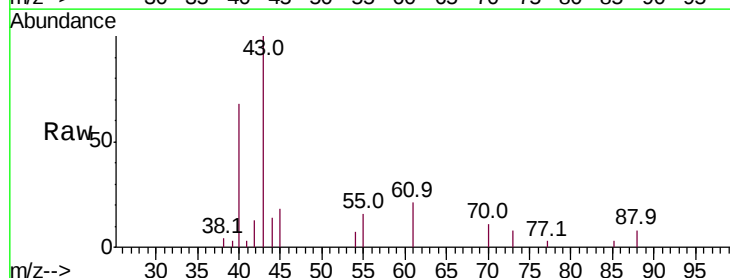
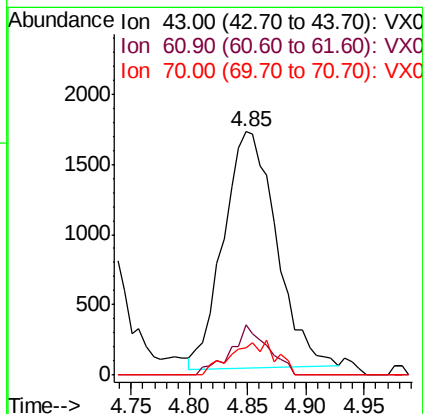
RT: 4.85 min Scan# 606

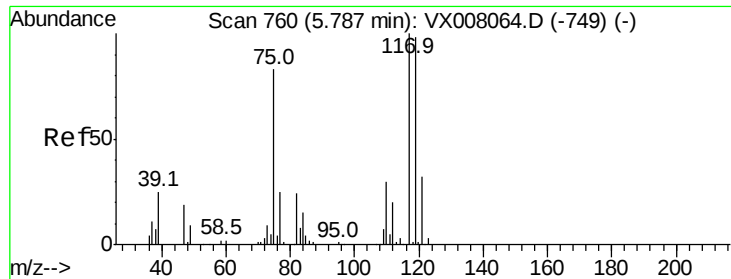
Delta R.T. -0.01 min

Lab File: VX008061.D

Acq: 14 Mar 2019 09:39

Tgt Ion:	43	Resp:	5314
Ion	Ratio	Lower	Upper
43	100		
61	15.0	11.3	16.9
70	12.3	8.5	12.7





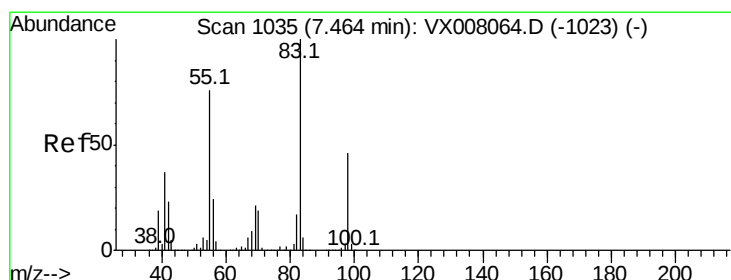
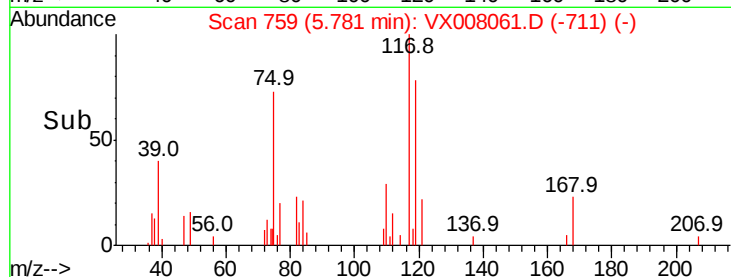
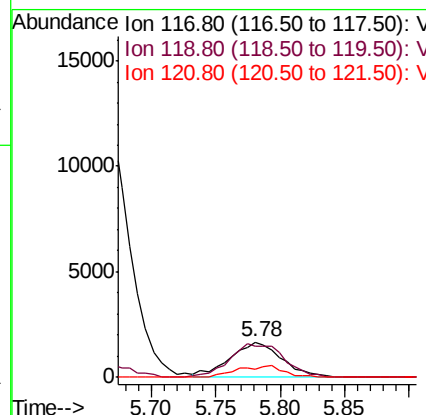
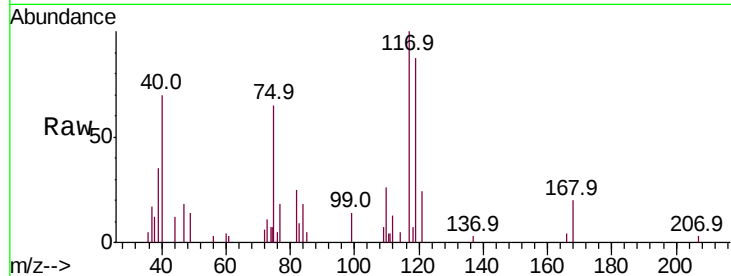
#38
Carbon Tetrachloride
Concen: 0.906 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX008061.D
Acq: 14 Mar 2019 09:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
119	87.1	76.2	114.2
121	23.5	24.6	36.8#

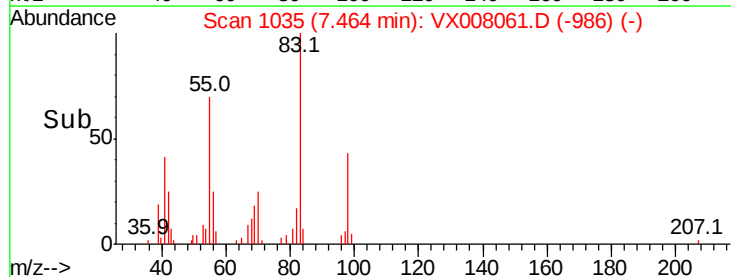
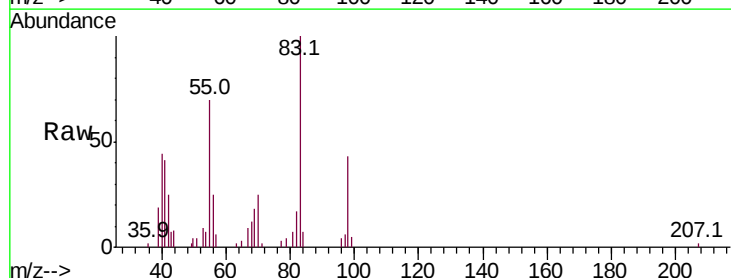
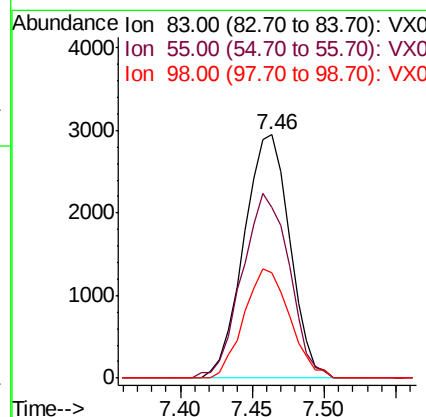
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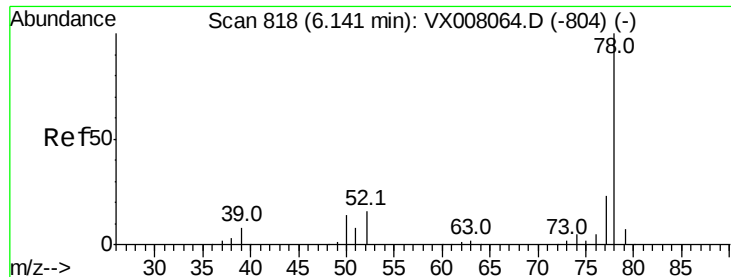
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#39
Methylcyclohexane
Concen: 0.964 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX008061.D
Acq: 14 Mar 2019 09:39

Tgt Ion	Ratio	Lower	Upper
83	100		
55	69.9	60.4	90.6
98	43.0	36.5	54.7





#40

Benzene

Concen: 1.004 ug/l

RT: 6.14 min Scan# 818

Delta R.T. -0.00 min

Lab File: VX008061.D

Acq: 14 Mar 2019 09:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 78 Resp: 15984

Ion Ratio Lower Upper

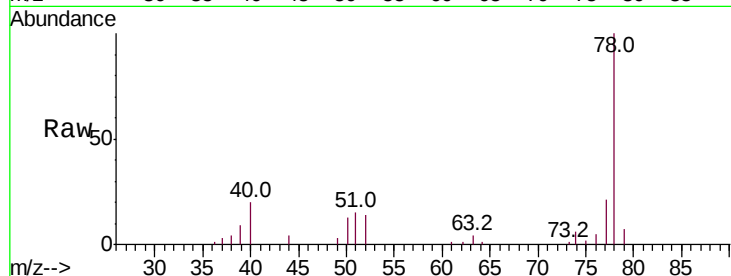
78 100

77 21.1 19.0 28.4

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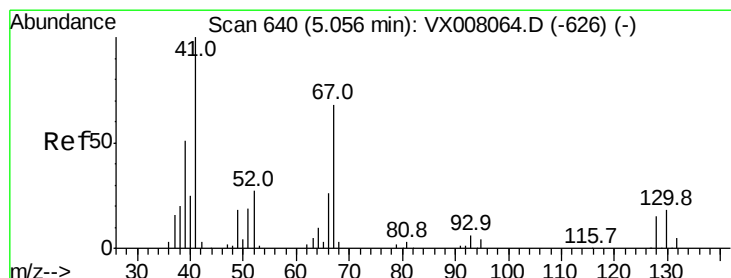
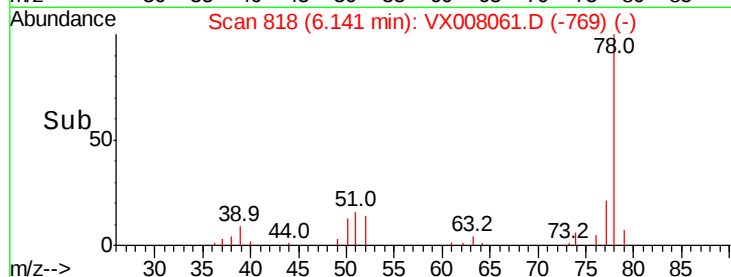
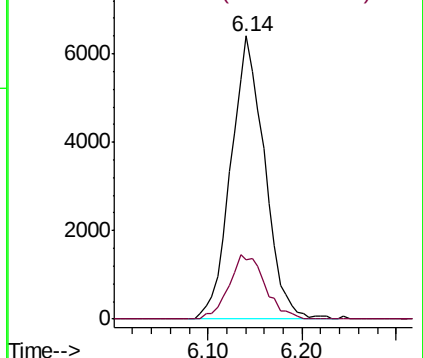
MMDadoda

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Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#41

Methacrylonitrile

Concen: 1.027 ug/l

RT: 5.05 min Scan# 639

Delta R.T. -0.01 min

Lab File: VX008061.D

Acq: 14 Mar 2019 09:39

Tgt Ion: 41 Resp: 3361

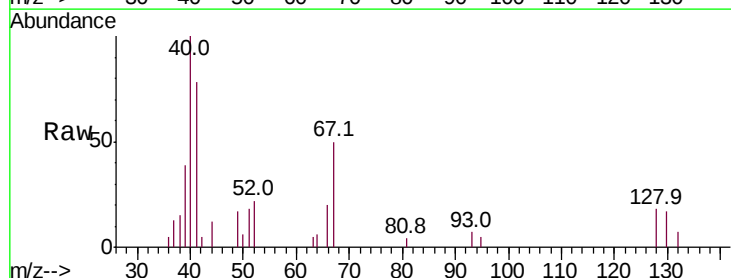
Ion Ratio Lower Upper

41 100

39 54.5 41.6 62.4

67 69.5 55.8 83.6

52 27.4 21.7 32.5

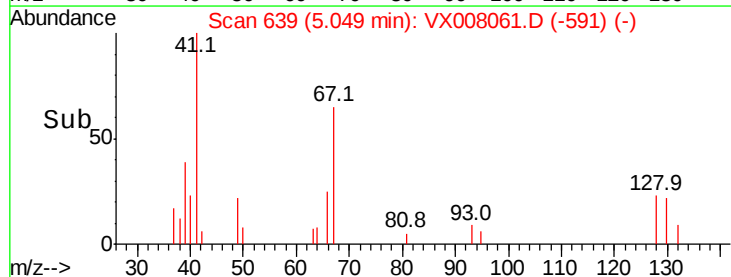
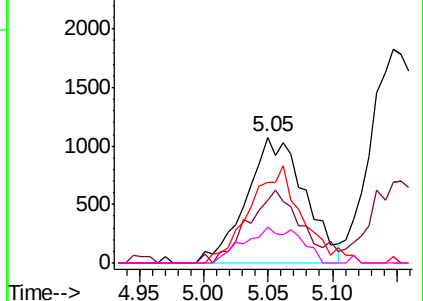


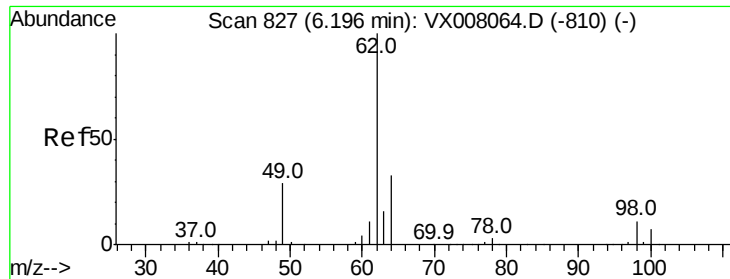
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





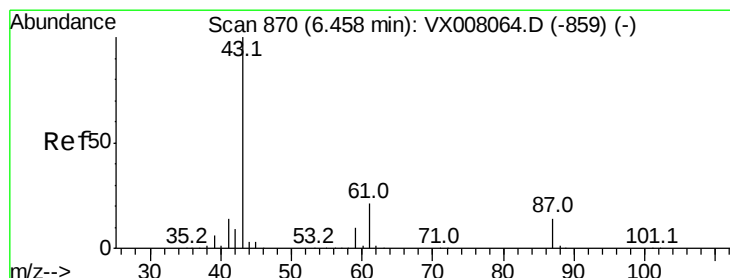
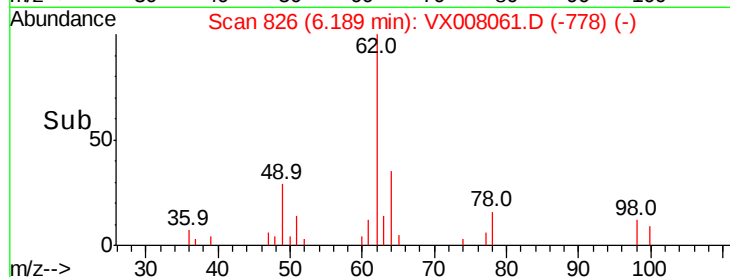
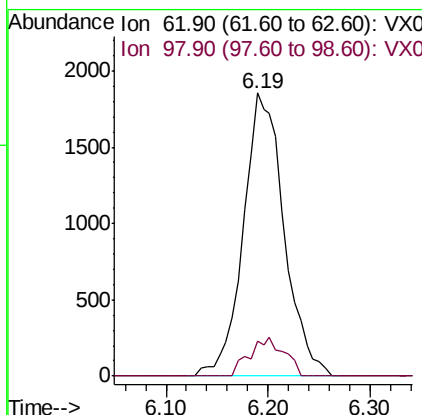
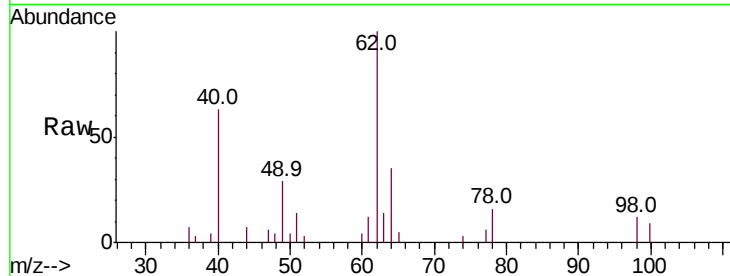
#42
1,2-Dichloroethane
Concen: 1.011 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.01 min
Lab File: VX008061.D
Acq: 14 Mar 2019 09:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion: 62 Resp: 5146
Ion Ratio Lower Upper
62 100
98 11.5 0.0 20.4

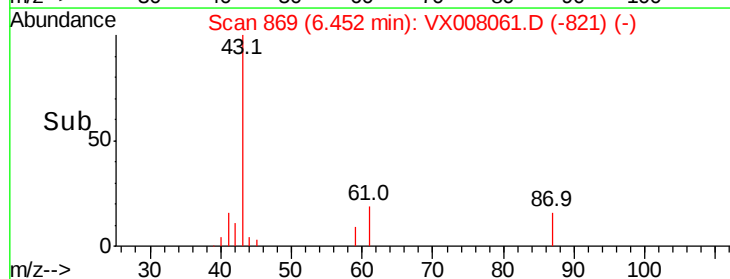
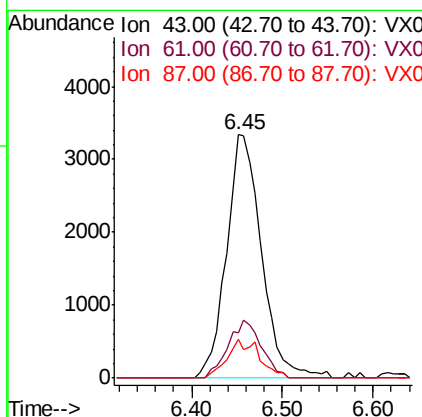
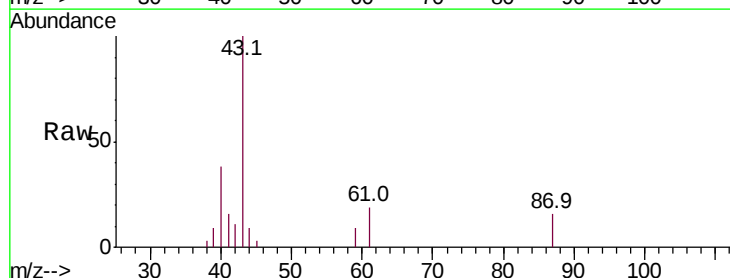
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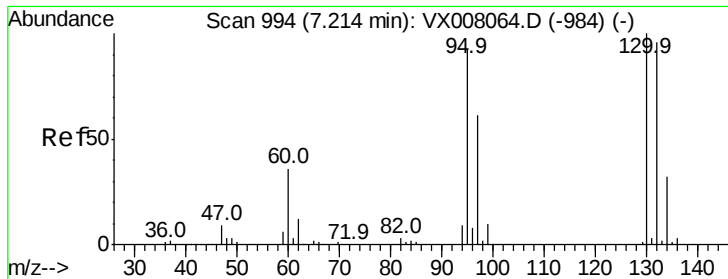
MMDadoda
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#43
Isopropyl Acetate
Concen: 0.970 ug/l
RT: 6.45 min Scan# 869
Delta R.T. -0.01 min
Lab File: VX008061.D
Acq: 14 Mar 2019 09:39

Tgt Ion: 43 Resp: 8958
Ion Ratio Lower Upper
43 100
61 22.4 16.3 24.5
87 14.6 10.5 15.7





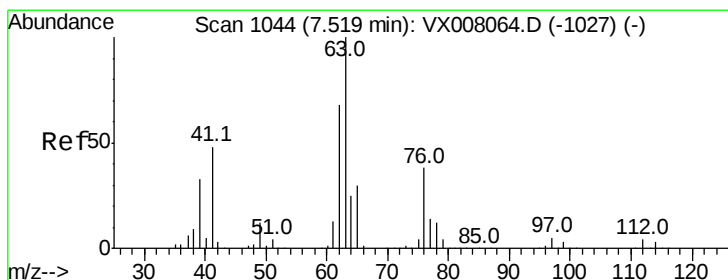
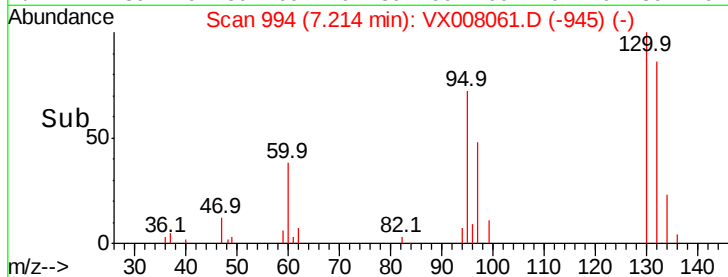
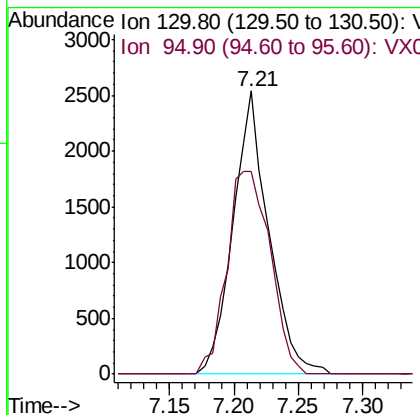
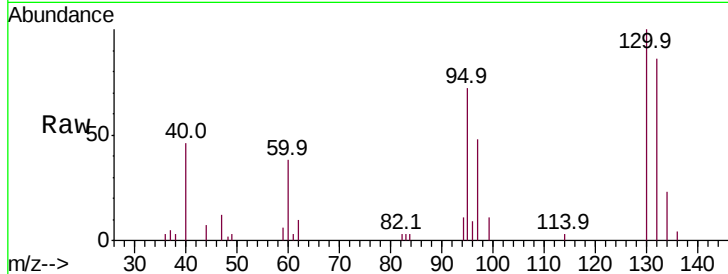
#44
 Trichloroethene
 Concen: 1.077 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX008061.D
 Acq: 14 Mar 2019 09:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion:130 Resp: 4883
 Ion Ratio Lower Upper
 130 100
 95 71.7 0.0 188.0

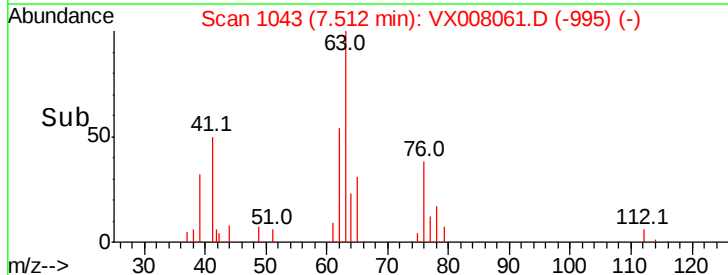
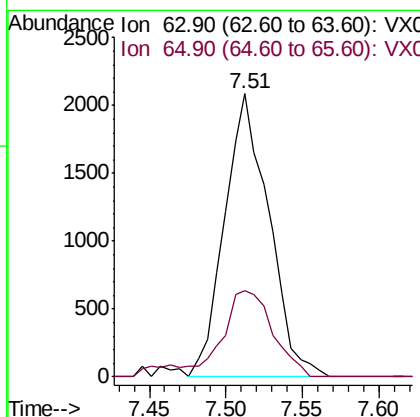
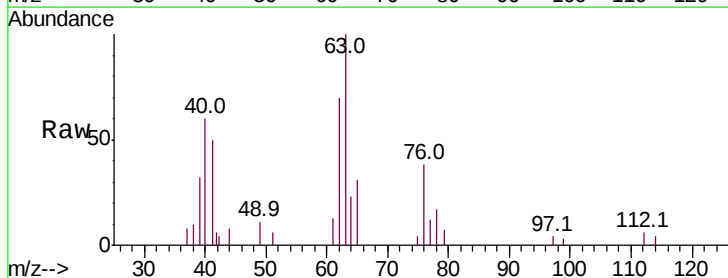
Manual Integrations
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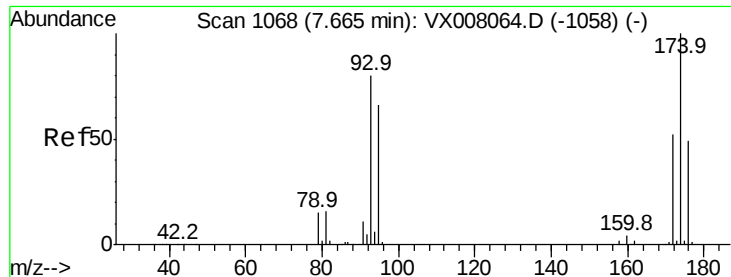
MMDadoda
 3/15/2019 9:06:43 AM



#45
 1,2-Dichloropropane
 Concen: 0.987 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.01 min
 Lab File: VX008061.D
 Acq: 14 Mar 2019 09:39

Tgt Ion: 63 Resp: 4189
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.7 37.1





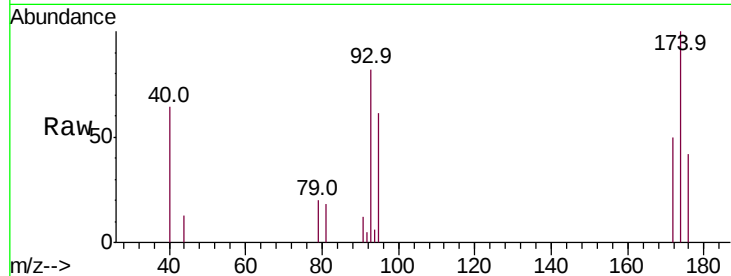
#46
Dibromomethane
Concen: 0.924 ug/l
RT: 7.66 min Scan# 1067
Delta R.T. -0.01 min
Lab File: VX008061.D
Acq: 14 Mar 2019 09:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

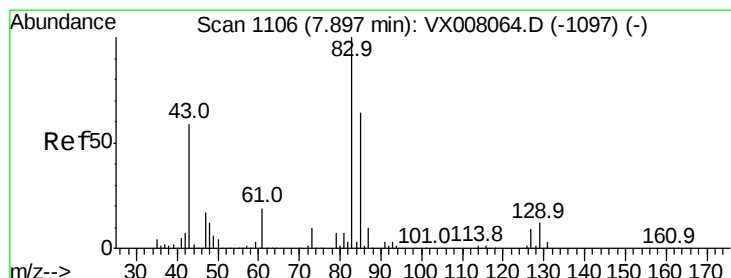
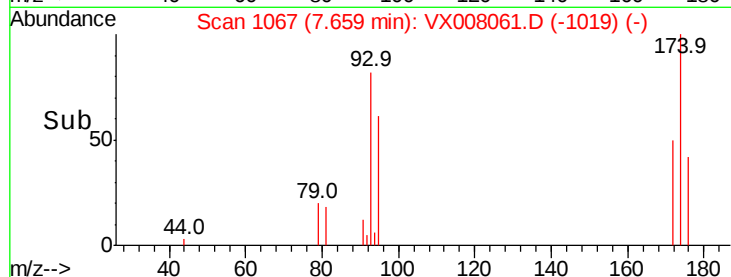
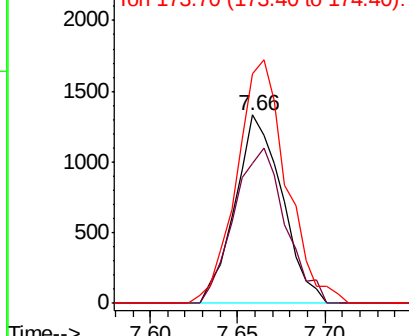
Tot Ion: 93 Resp: 2485
Ion Ratio Lower Upper
93 100
95 90.2 66.8 100.2
174 136.8 97.3 145.9

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MMDadoda
3/15/2019 9:06:43 AM

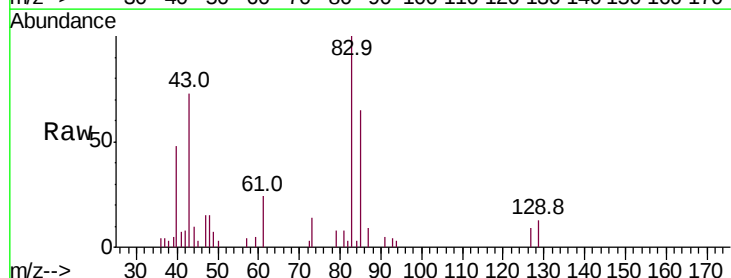


Abundance Ion 92.80 (92.50 to 93.50): VX0
Ion 94.80 (94.50 to 95.50): VX0
Ion 173.70 (173.40 to 174.40): V

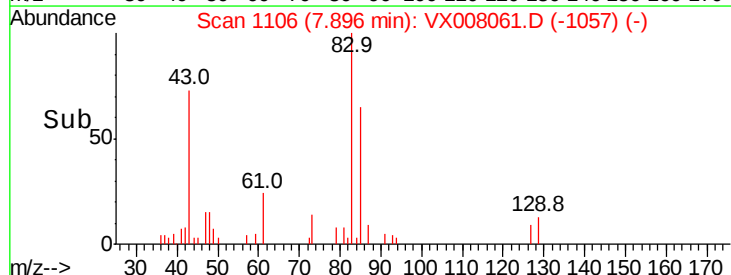
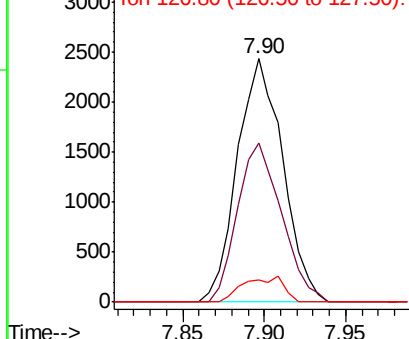


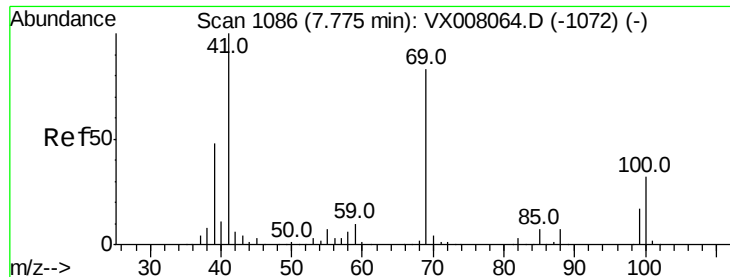
#47
Bromodichloromethane
Concen: 0.926 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX008061.D
Acq: 14 Mar 2019 09:39

Tgt Ion: 83 Resp: 4722
Ion Ratio Lower Upper
83 100
85 65.4 50.9 76.3
127 8.9 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V





#48

Methvl methacrylate

Concen: 0.848 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX008061.D

Acq: 14 Mar 2019 09:39

Instrument :

MSVOA_X

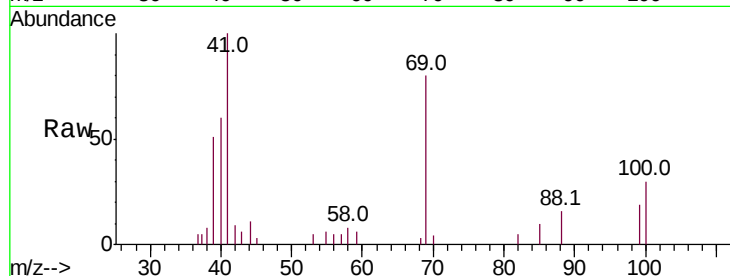
ClientSampleId :

VSTDIC001

Tot Ion:	41	Resp:	4187
Ion	Ratio	Lower	Upper
41	100		
69	86.8	65.2	97.8
39	53.8	39.4	59.2

Manual Integrations
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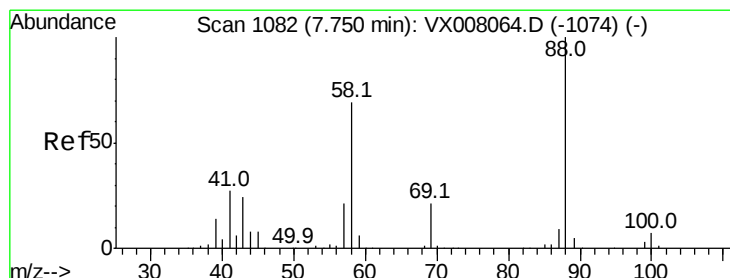
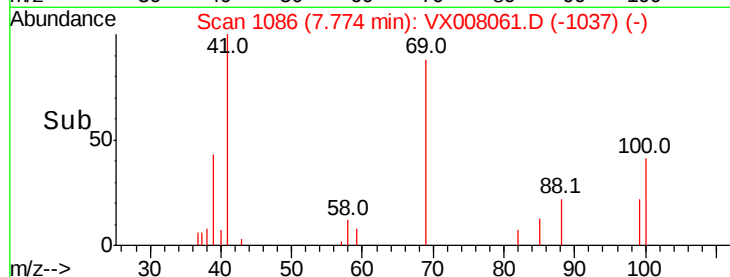
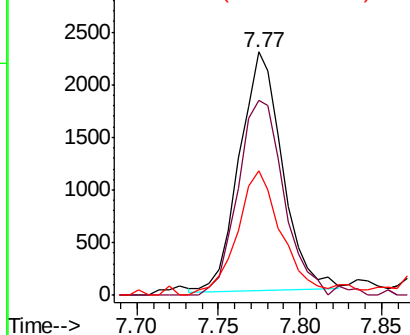


Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#49

1,4-Dioxane

Concen: 20.407 ug/l

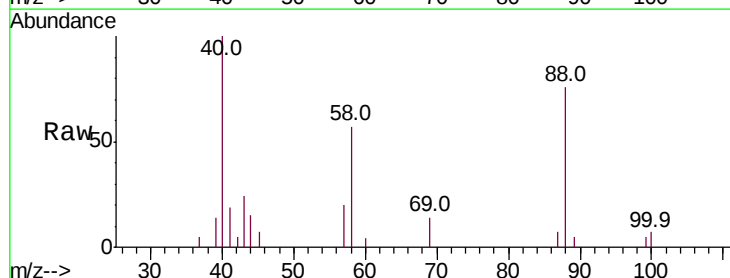
RT: 7.75 min Scan# 1082

Delta R.T. -0.00 min

Lab File: VX008061.D

Acq: 14 Mar 2019 09:39

Tgt Ion:	88	Resp:	2091
Ion	Ratio	Lower	Upper
88	100		
43	35.9	25.1	37.7
58	73.8	57.8	86.6

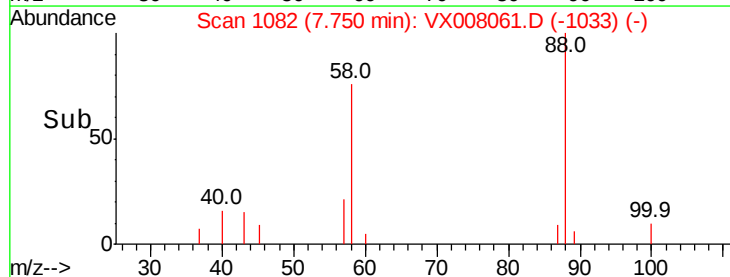
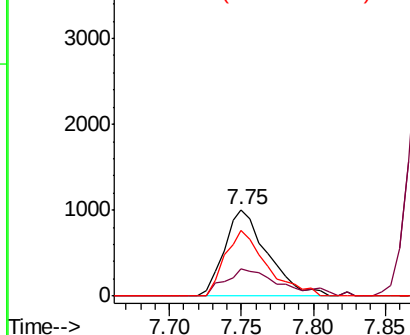


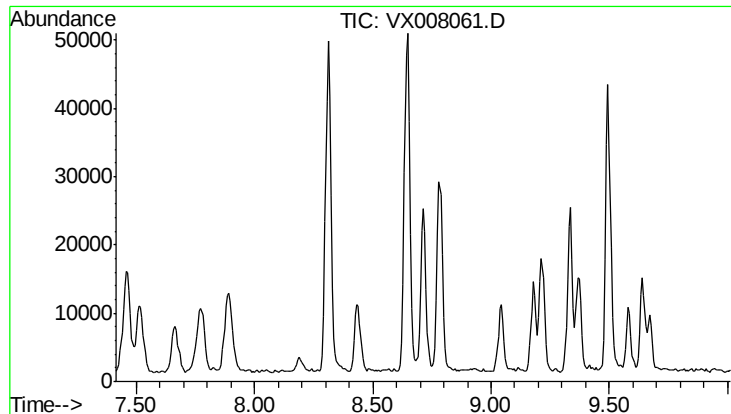
Abundance

Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





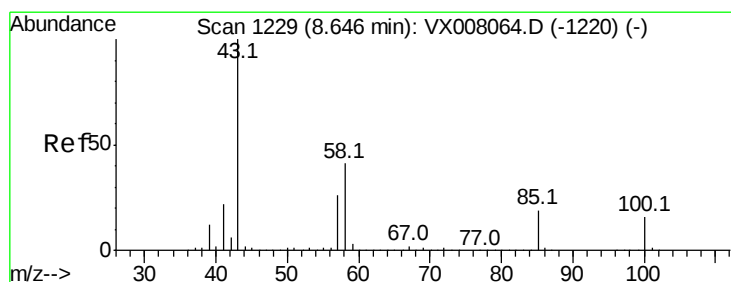
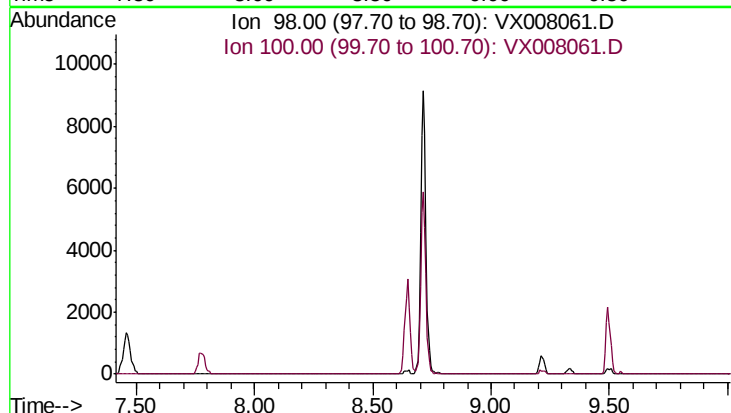
#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 8.71 min
Lab File: VX008061.D
Acq: 14 Mar 2019 09:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion: 98
Sig Exp Ratio
98 100
100 64.6

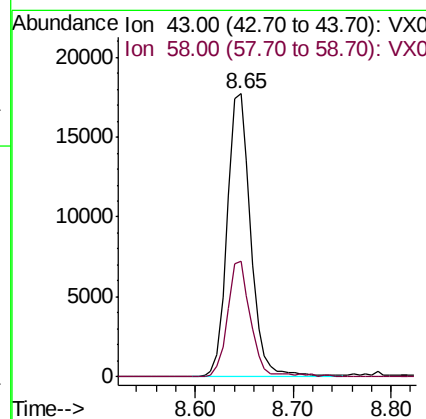
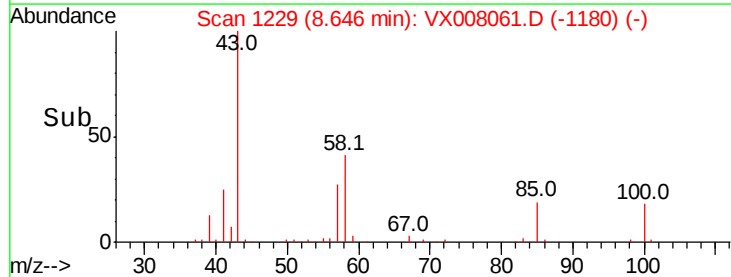
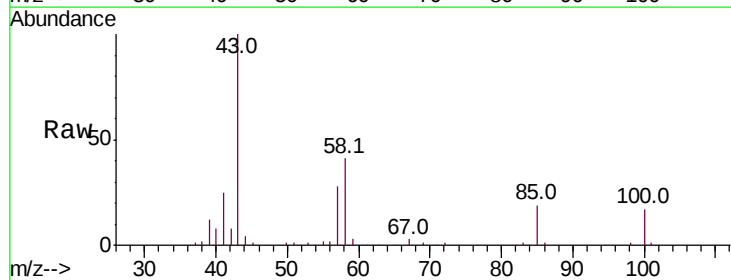
Manual Integrations
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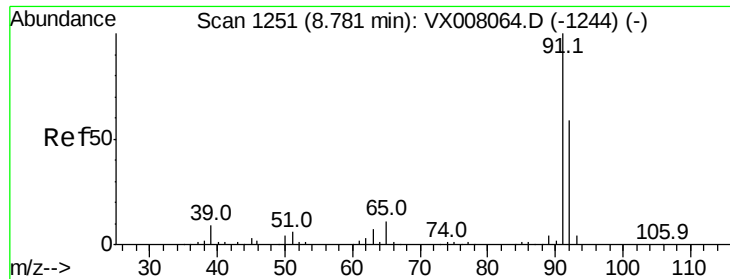
MMDadoda
3/15/2019 9:06:43 AM



#51
4-Methyl-2-Pentanone
Concen: 4.905 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VX008061.D
Acq: 14 Mar 2019 09:39

Tgt Ion: 43 Resp: 29699
Ion Ratio Lower Upper
43 100
58 40.0 31.3 46.9





#52

Toluene

Concen: 1.007 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX008061.D

Acq: 14 Mar 2019 09:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 92 Resp: 10278

Ion Ratio Lower Upper

92 100

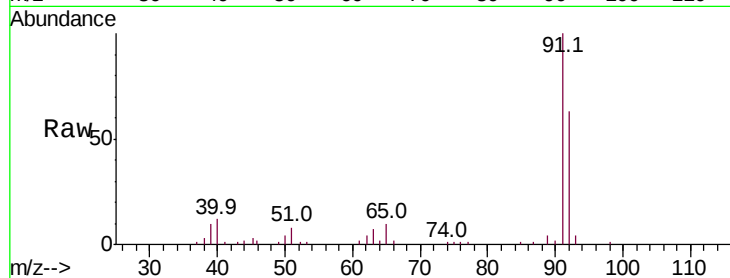
91 178.0 137.4 206.0

Manual Integrations

APPROVED

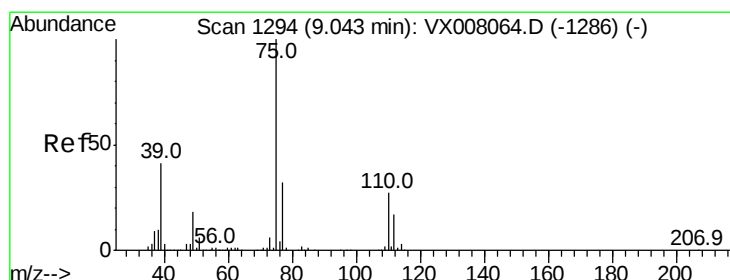
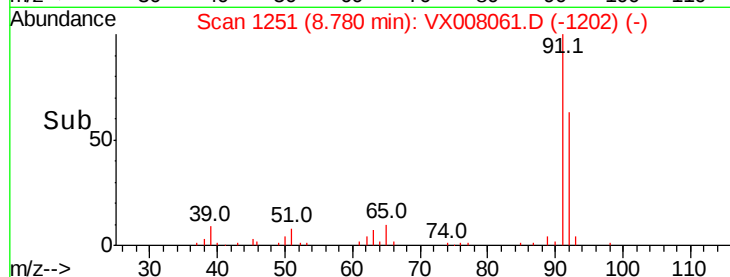
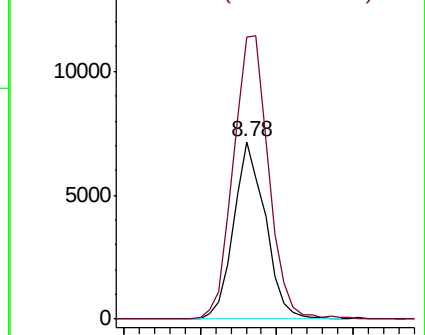
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3/15/2019 9:06:43 AM



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: 0.827 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX008061.D

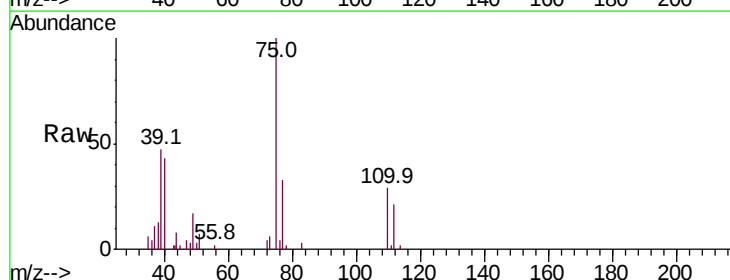
Acq: 14 Mar 2019 09:39

Tgt Ion: 75 Resp: 4801

Ion Ratio Lower Upper

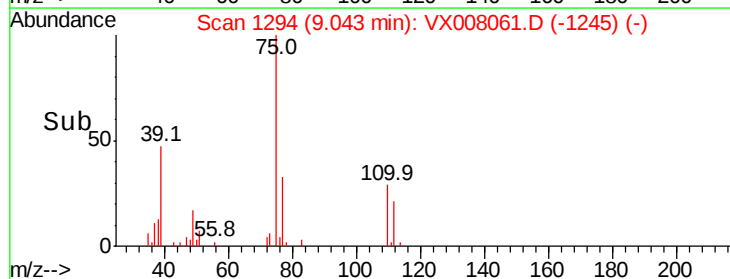
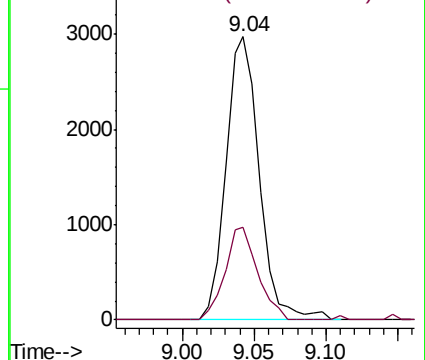
75 100

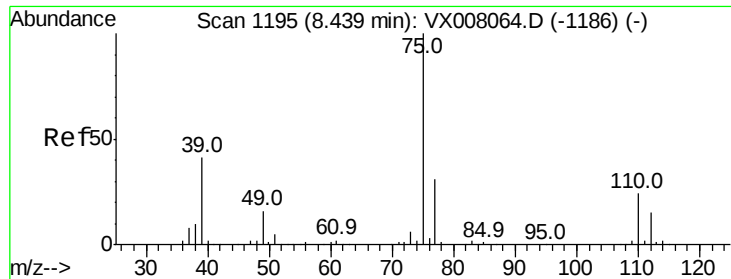
77 32.7 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0





#54

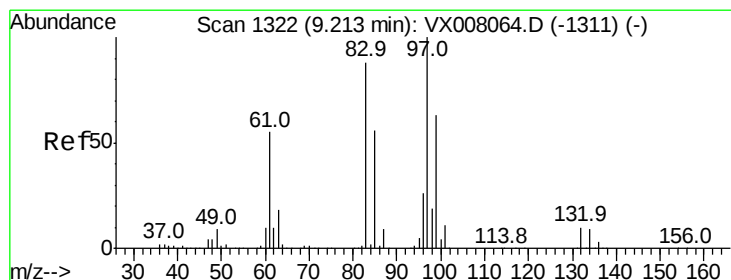
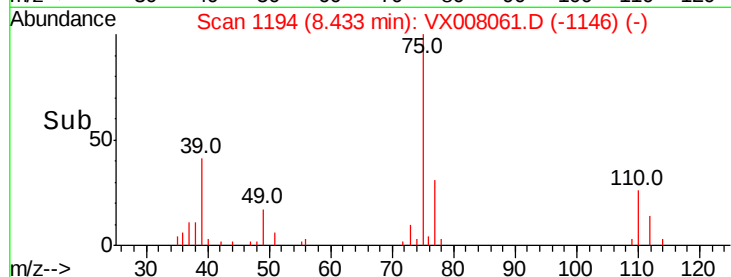
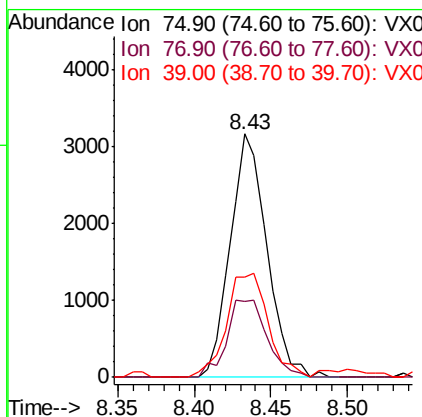
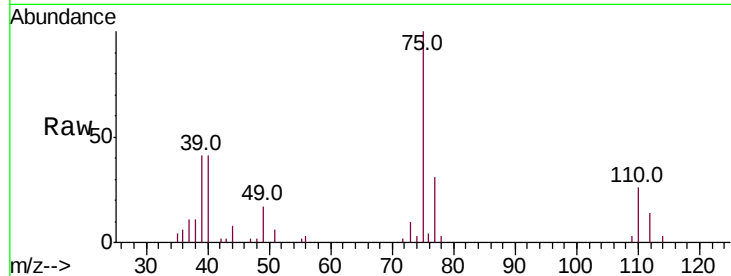
cis-1,3-Dichloropropene
Concen: 0.813 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.01 min
Lab File: VX008061.D
Acq: 14 Mar 2019 09:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.0	37.6
39	41.4	36.6	54.8

Manual Integrations
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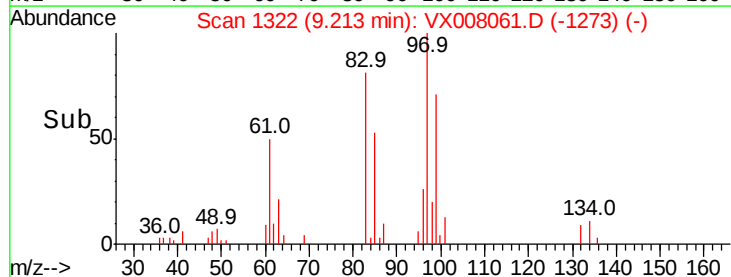
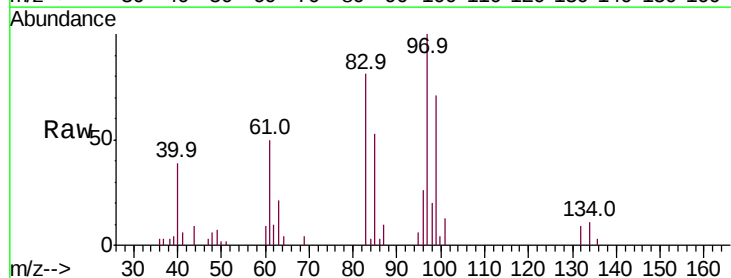
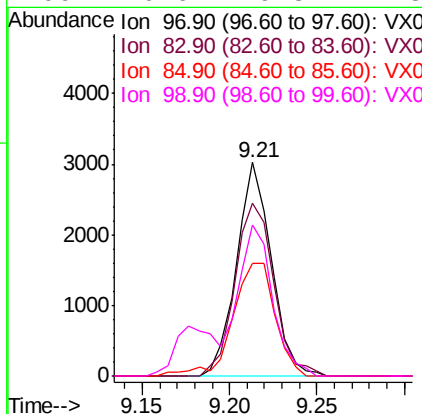
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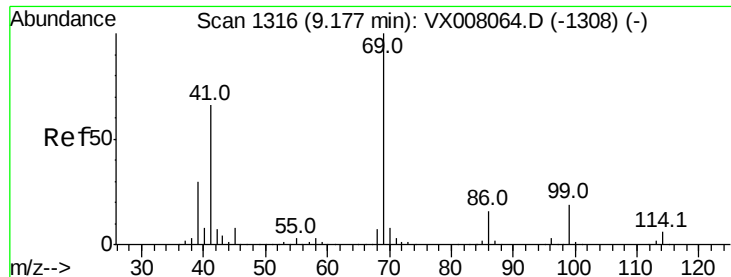


#55

1,1,2-Trichloroethane
Concen: 1.017 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. -0.00 min
Lab File: VX008061.D
Acq: 14 Mar 2019 09:39

Tgt Ion	Ratio	Lower	Upper
97	100		
83	80.8	69.1	103.7
85	52.7	44.3	66.5
99	70.6	49.8	74.8





#56

Ethyl methacrylate

Concen: 0.877 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX008061.D

Acq: 14 Mar 2019 09:39

Instrument :

MSVOA_X

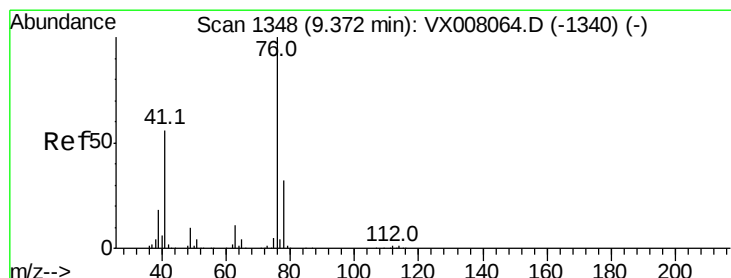
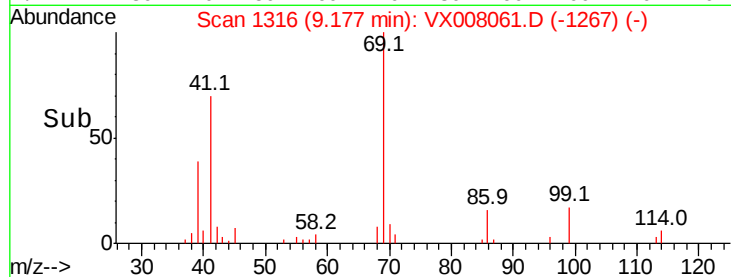
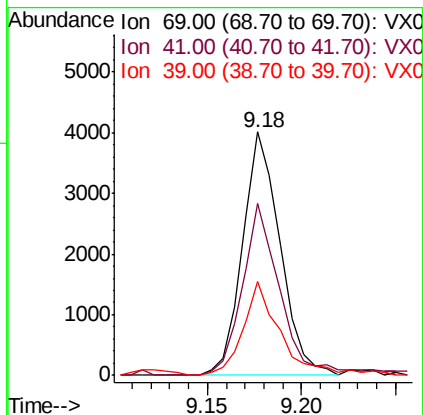
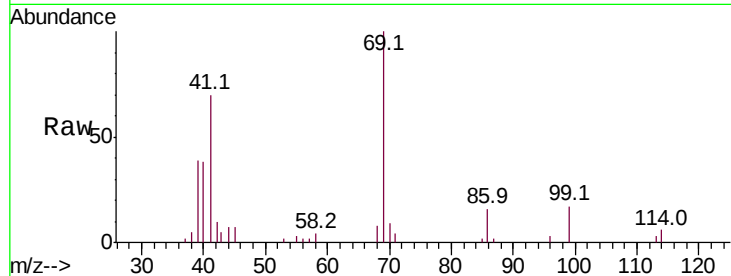
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
69	100		
41	70.3	54.2	81.4
39	38.8	25.0	37.4

Manual Integrations
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#57

1,3-Dichloropropane

Concen: 1.056 ug/l

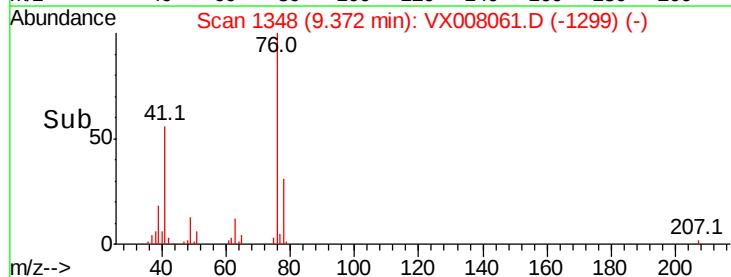
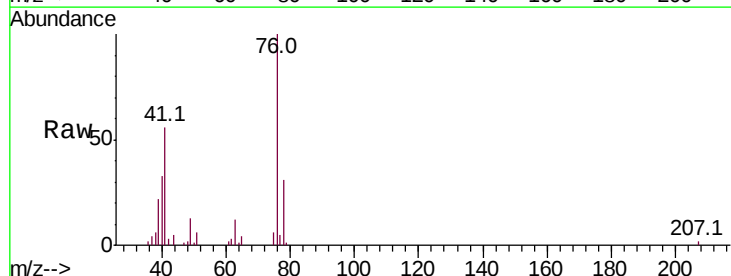
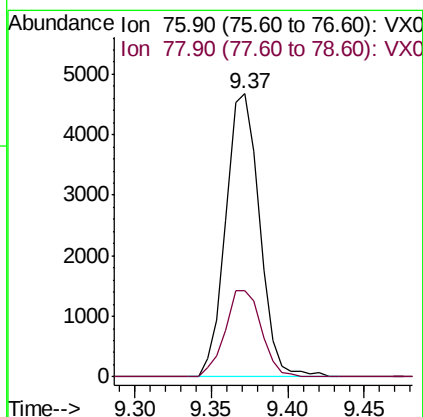
RT: 9.37 min Scan# 1348

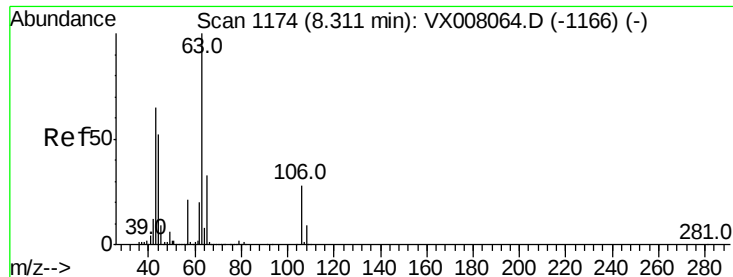
Delta R.T. -0.00 min

Lab File: VX008061.D

Acq: 14 Mar 2019 09:39

Tgt Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.5	38.3





#58

2-Chloroethyl Vinyl ether

Concen: 5.280 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX008061.D

Acq: 14 Mar 2019 09:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 63 Resp: 19477

Ion Ratio Lower Upper

63 100

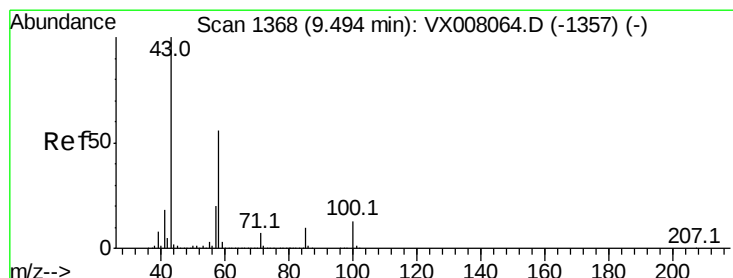
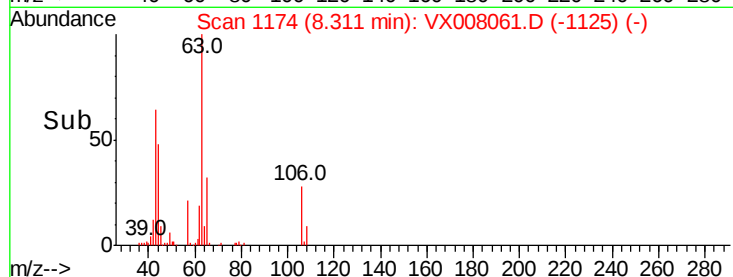
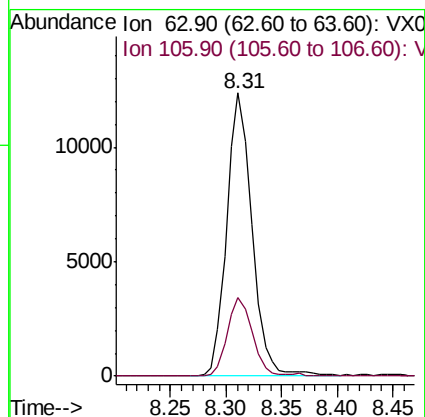
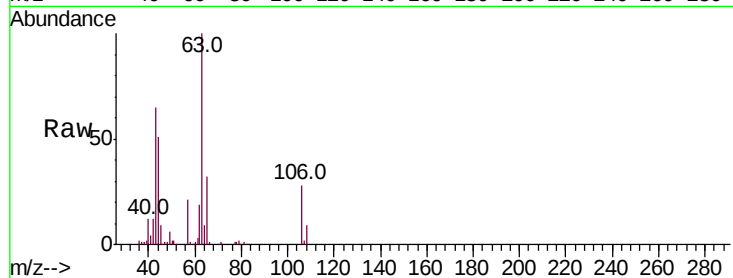
106 27.3 22.2 33.2

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#59

2-Hexanone

Concen: 4.929 ug/l

RT: 9.49 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VX008061.D

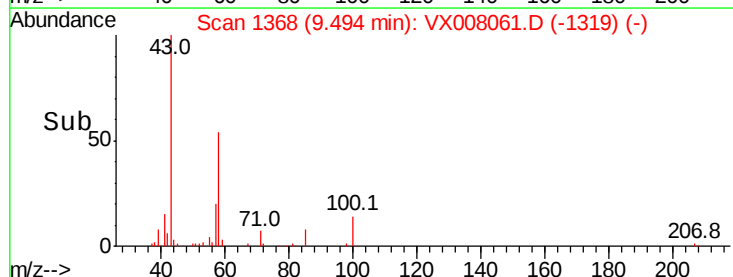
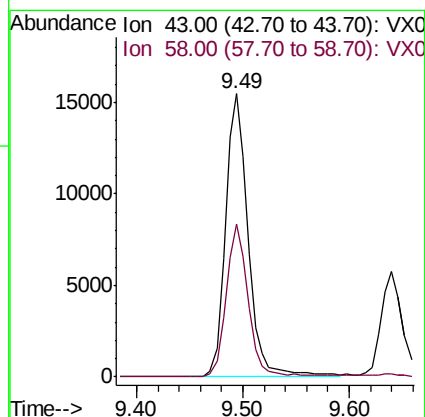
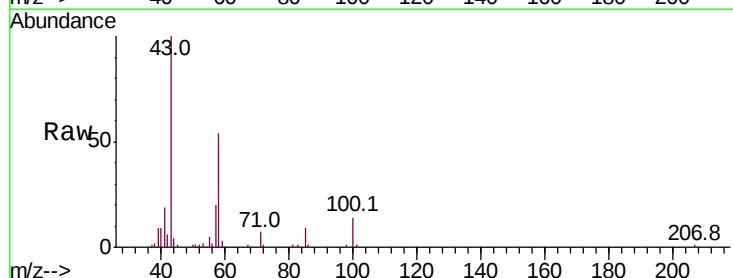
Acq: 14 Mar 2019 09:39

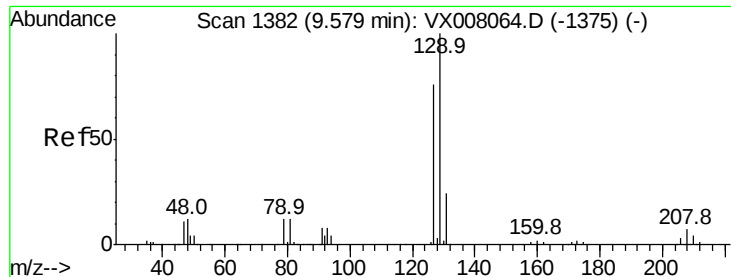
Tgt Ion: 43 Resp: 22959

Ion Ratio Lower Upper

43 100

58 52.6 27.6 82.7





#60

Dibromochloromethane

Concen: 0.908 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VX008061.D

Acq: 14 Mar 2019 09:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:129 Resp: 4012

Ion Ratio Lower Upper

129 100

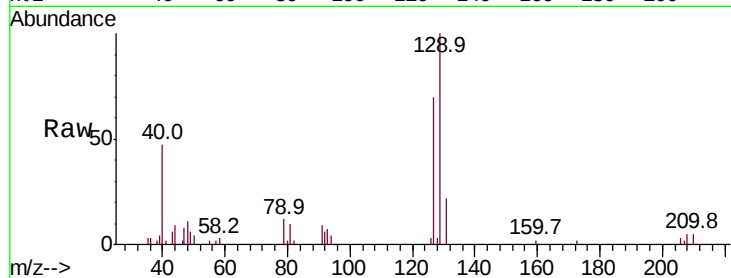
127 72.5 38.3 114.8

Manual Integrations

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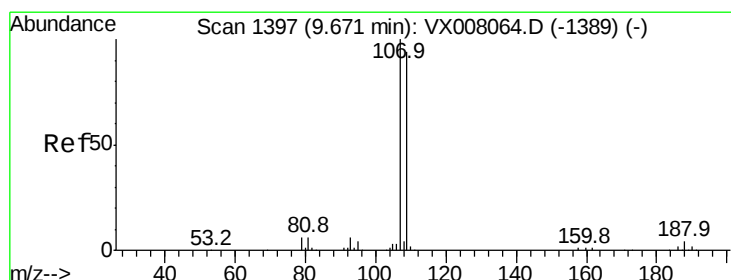
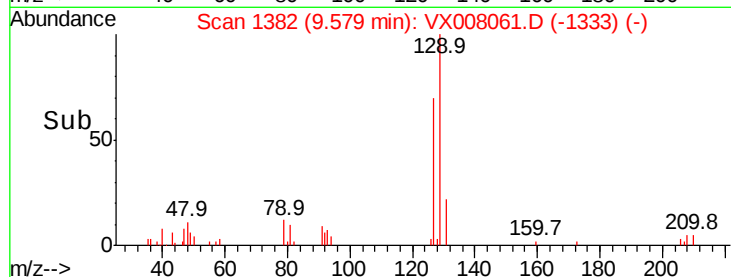
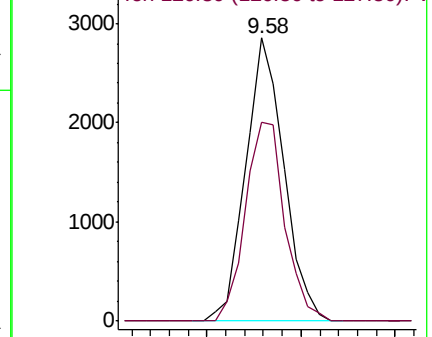
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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 0.936 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX008061.D

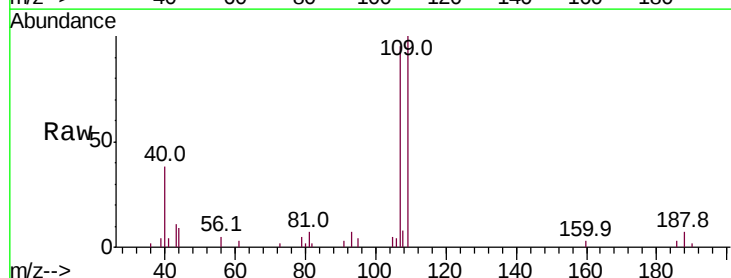
Acq: 14 Mar 2019 09:39

Tgt Ion:107 Resp: 4169

Ion Ratio Lower Upper

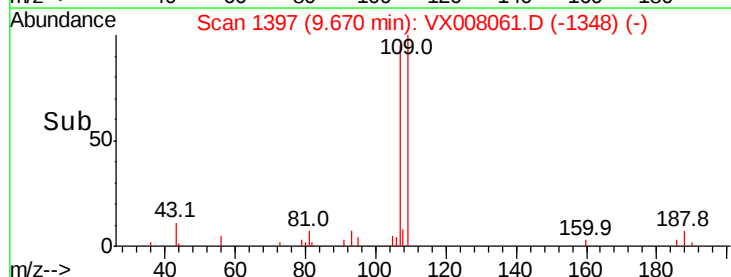
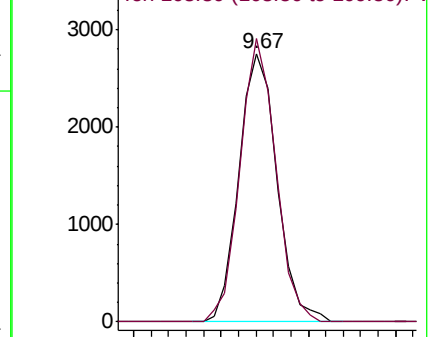
107 100

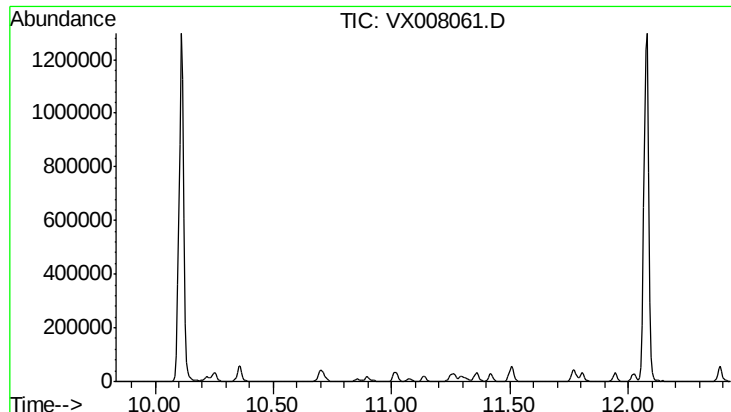
109 99.0 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





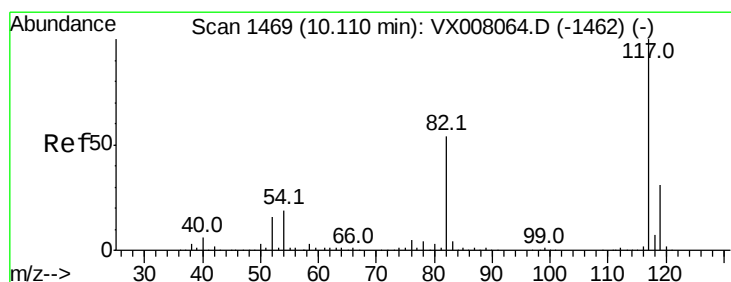
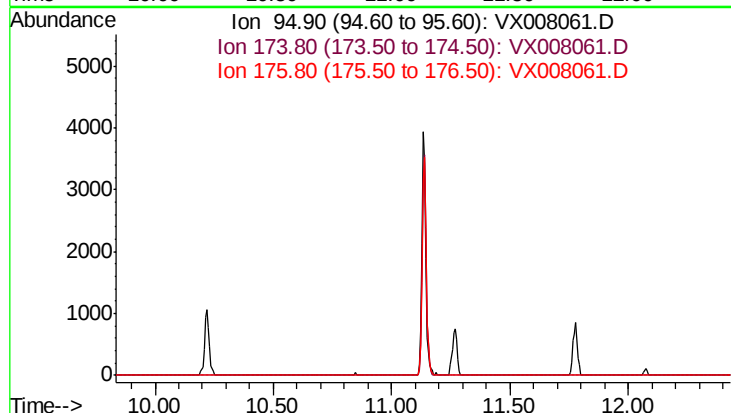
#62
 4-Bromofluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 11.13 min
 Lab File: VX008061.D
 Acq: 14 Mar 2019 09:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion: 95
 Sig Exp Ratio
 95 100
 174 91.4
 176 89.0

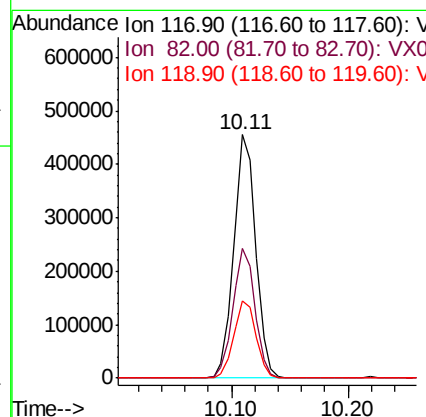
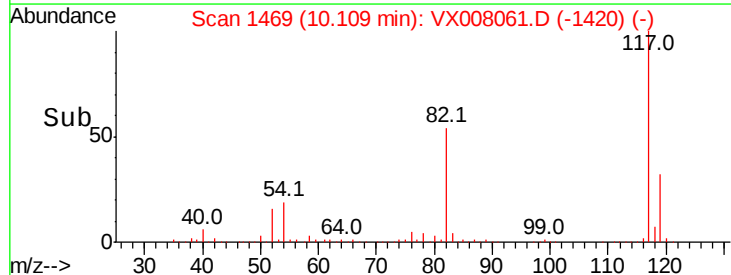
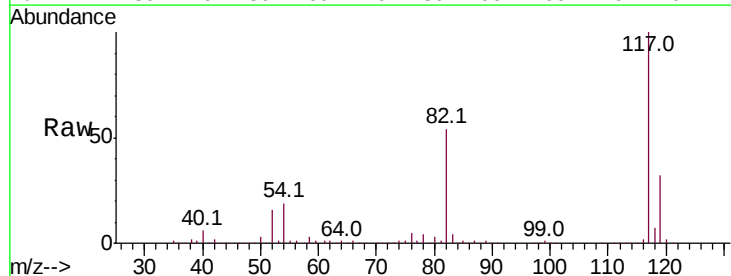
Manual Integrations
 APPROVED

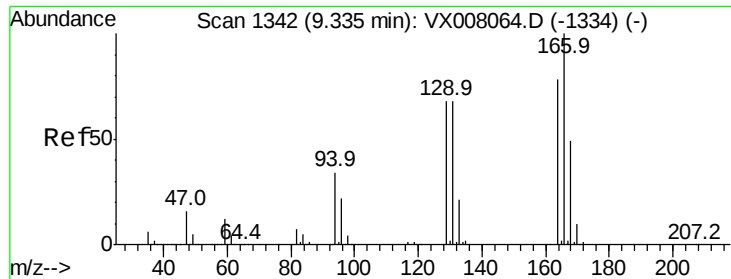
MMDadoda
 3/15/2019 9:06:43 AM



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.11 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VX008061.D
 Acq: 14 Mar 2019 09:39

Tgt Ion: 117 Resp: 598367
 Ion Ratio Lower Upper
 117 100
 82 53.5 44.3 66.5
 119 31.9 25.3 37.9





#64

Tetrachloroethene

Concen: 1.085 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX008061.D

Acq: 14 Mar 2019 09:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:164 Resp: 5086

Ion Ratio Lower Upper

164 100

166 130.5 103.4 155.0

129 92.1 72.2 108.4

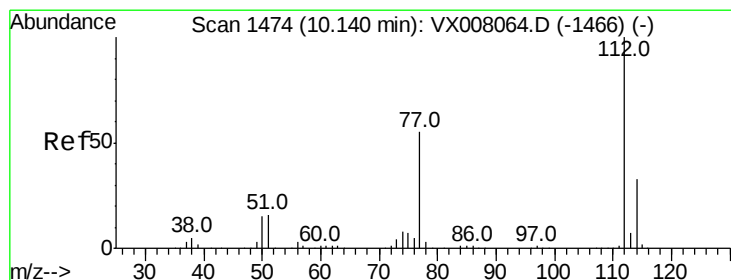
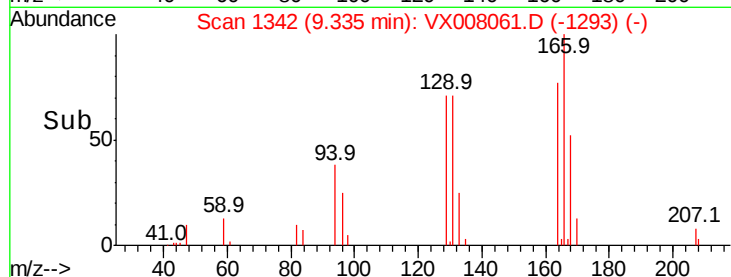
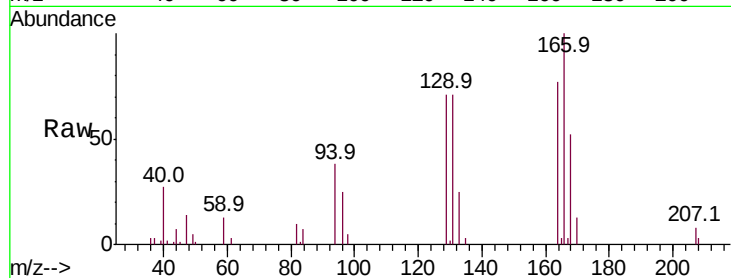
131 92.4 69.4 104.2

Manual Integrations

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3/15/2019 9:06:43 AM



#65

Chlorobenzene

Concen: 1.044 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX008061.D

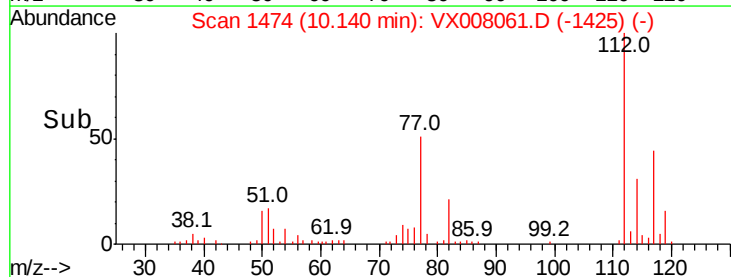
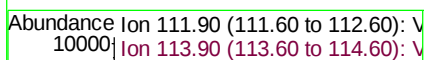
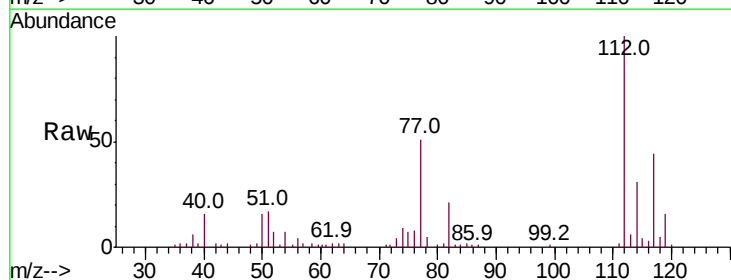
Acq: 14 Mar 2019 09:39

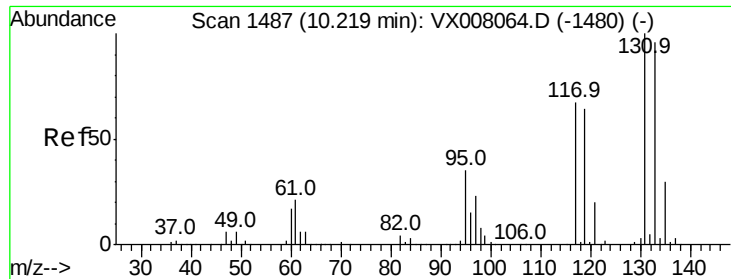
Tgt Ion:112 Resp: 12048

Ion Ratio Lower Upper

112 100

114 31.2 26.0 39.0





#66

1,1,1,2-Tetrachloroethane

Concen: 0.883 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX008061.D

Acq: 14 Mar 2019 09:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:131 Resp: 3770

Ion Ratio Lower Upper

131 100

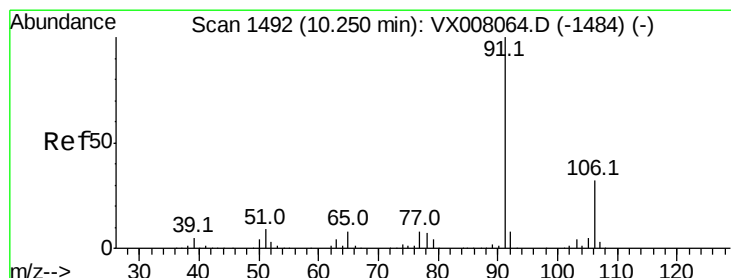
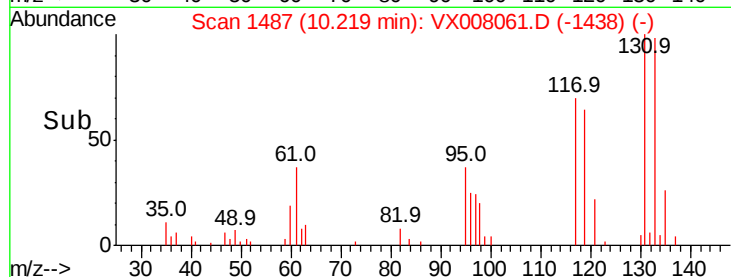
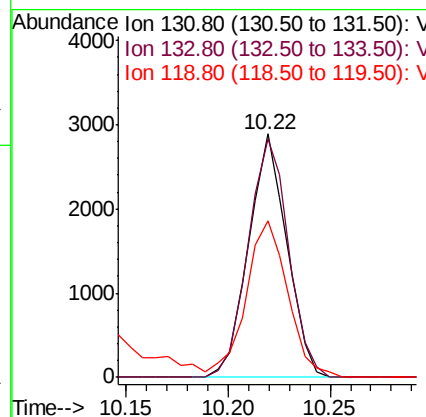
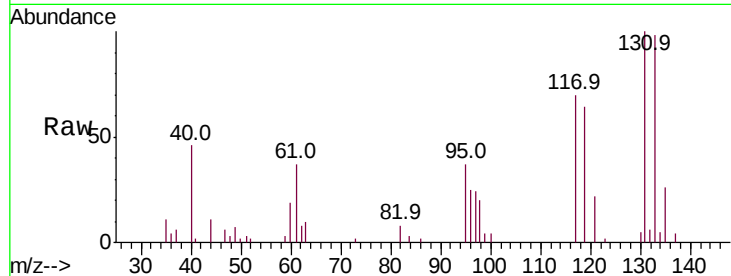
133 103.1 47.8 143.3

119 0.0 32.5 97.5#

Manual Integrations
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3/15/2019 9:06:43 AM



#67

Ethyl Benzene

Concen: 0.939 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX008061.D

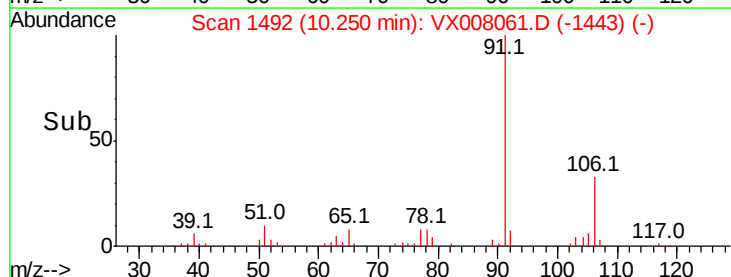
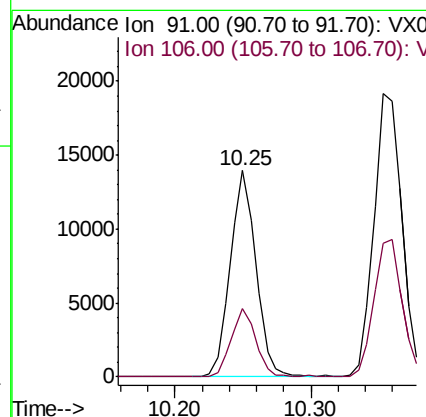
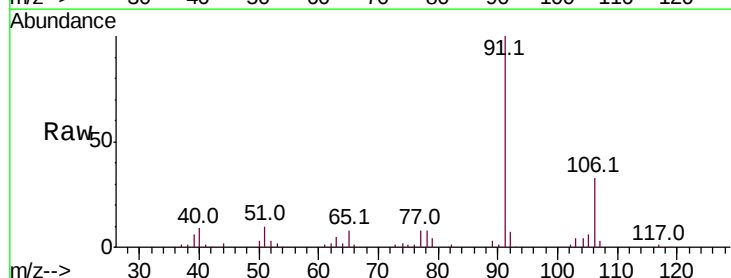
Acq: 14 Mar 2019 09:39

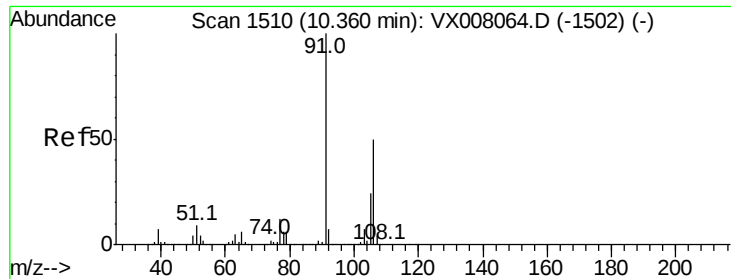
Tgt Ion: 91 Resp: 18359

Ion Ratio Lower Upper

91 100

106 32.9 25.2 37.8





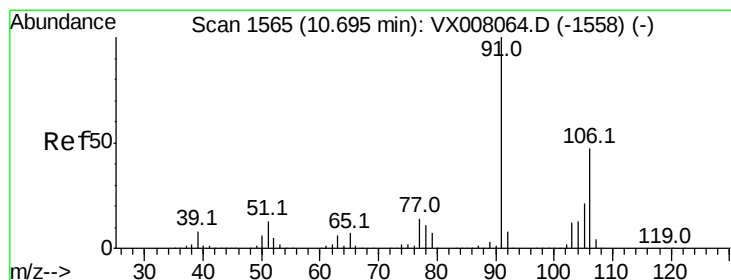
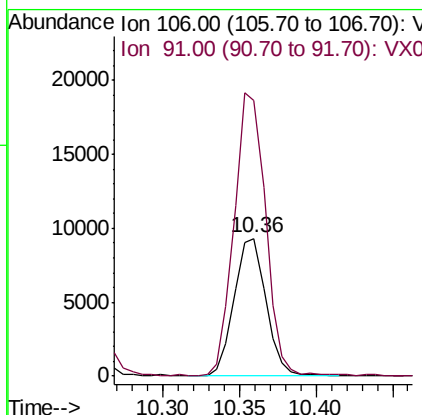
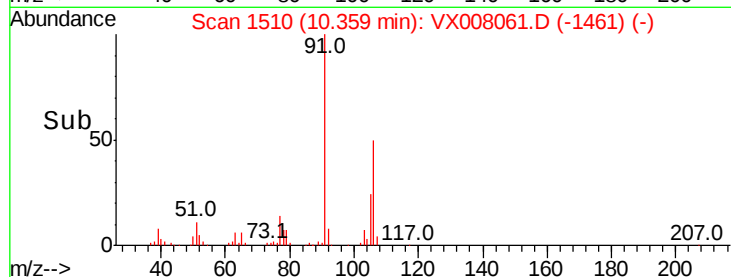
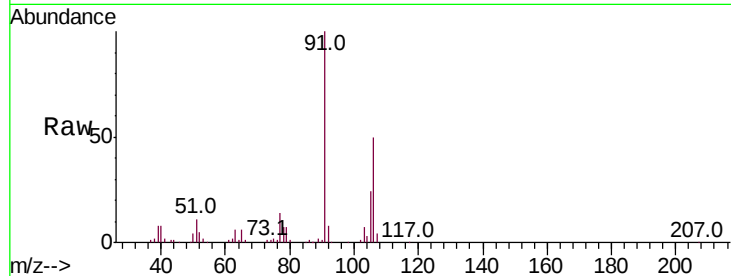
#68
m/p-Xylenes
Concen: 1.796 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX008061.D
Acq: 14 Mar 2019 09:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion:106 Resp: 13531
Ion Ratio Lower Upper
106 100
91 203.2 159.8 239.6

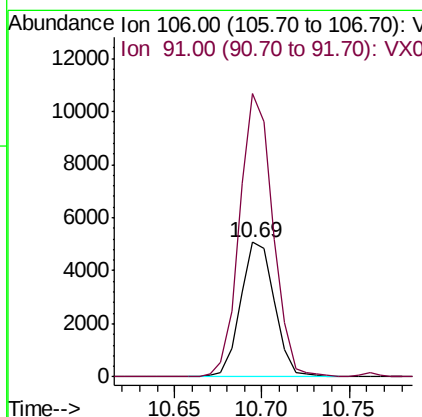
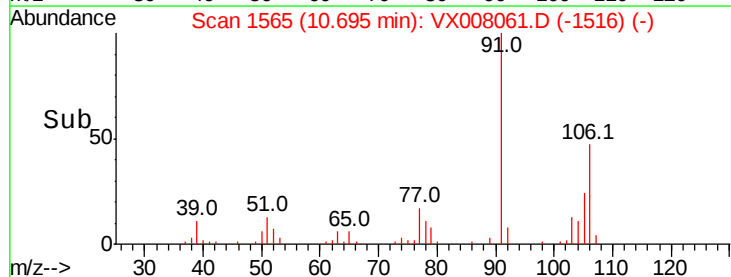
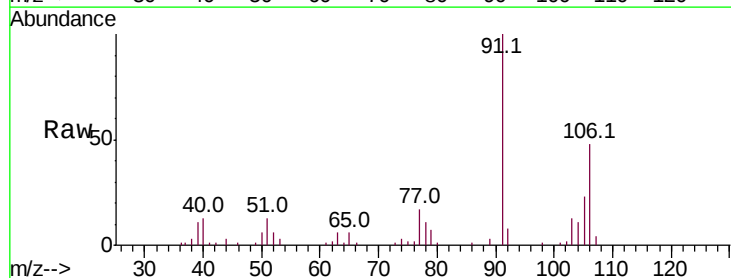
Manual Integrations
APPROVED

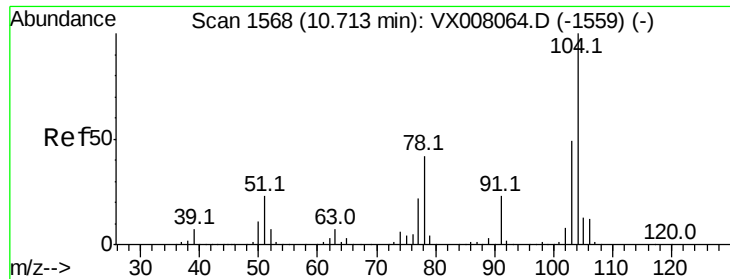
MMDadoda
3/15/2019 9:06:43 AM



#69
o-Xylene
Concen: 0.931 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX008061.D
Acq: 14 Mar 2019 09:39

Tgt Ion:106 Resp: 6814
Ion Ratio Lower Upper
106 100
91 207.0 106.3 318.9





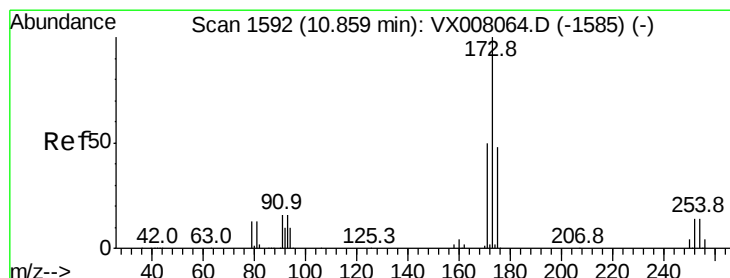
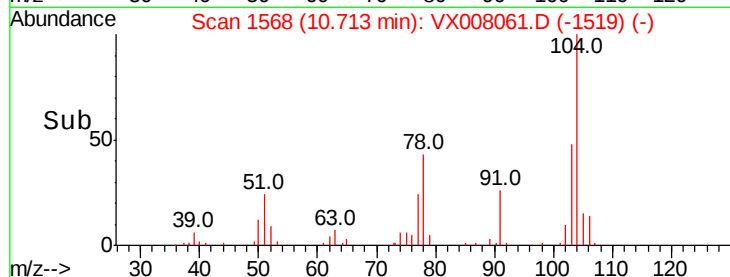
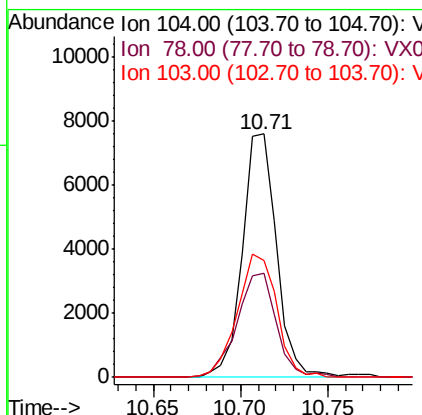
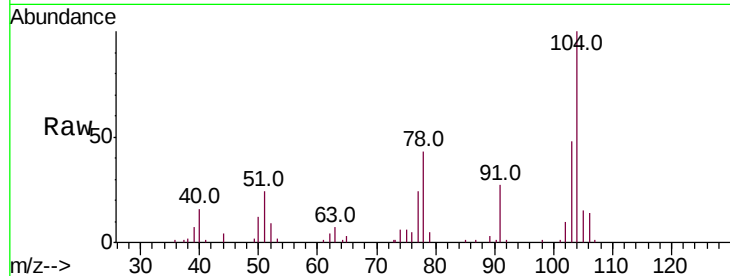
#70
Stvrene
Concen: 0.854 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX008061.D
Acq: 14 Mar 2019 09:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
104	100		
78	49.3	38.5	57.7
103	58.5	44.1	66.1

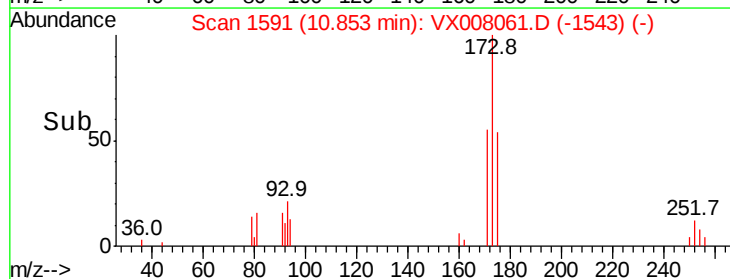
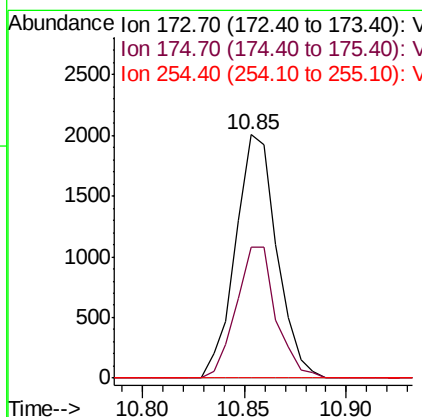
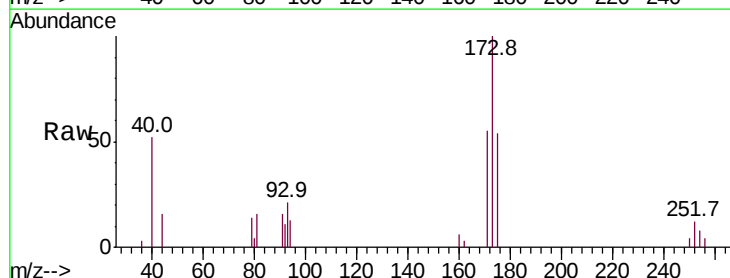
Manual Integrations
APPROVED

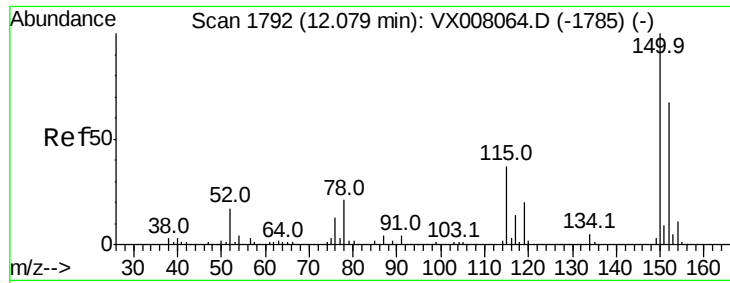
MMDadoda
3/15/2019 9:06:43 AM



#71
Bromoform
Concen: 0.784 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.01 min
Lab File: VX008061.D
Acq: 14 Mar 2019 09:39

Tgt Ion	Ratio	Lower	Upper
173	100		
175	51.7	24.3	72.9
254	0.0	0.1	0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX008061.D

Acq: 14 Mar 2019 09:39

Instrument :

MSVOA_X

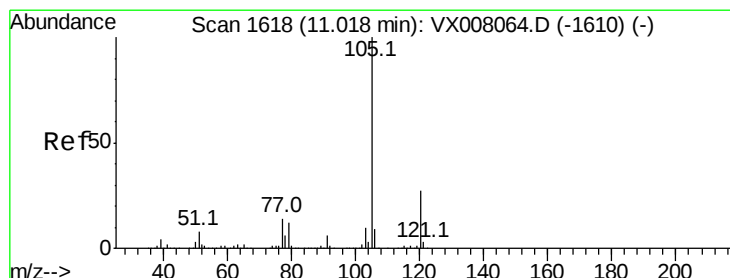
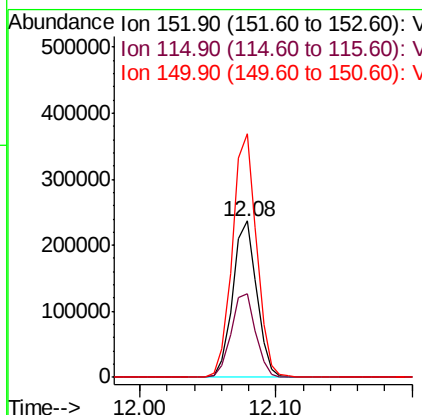
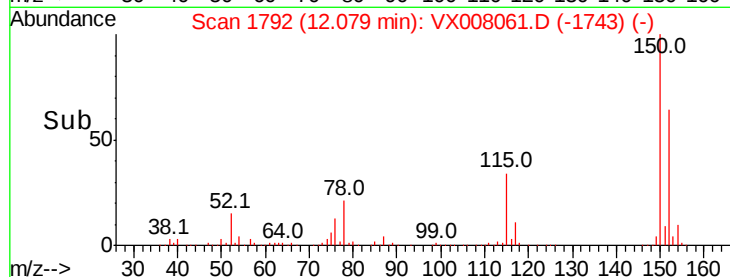
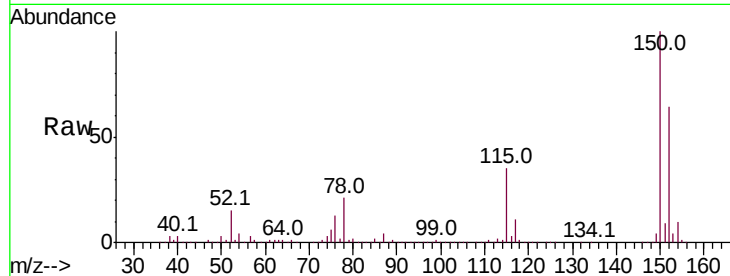
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.2	38.6	115.7
150	156.7	0.0	348.4

Manual Integrations
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#73

Isopropylbenzene

Concen: 0.948 ug/l

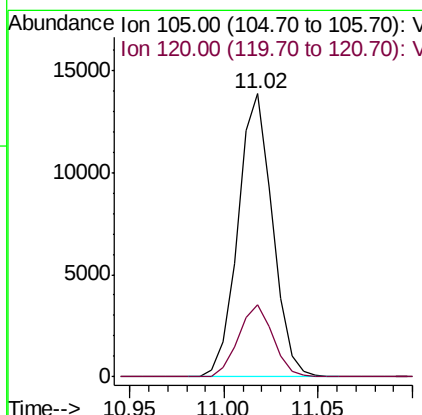
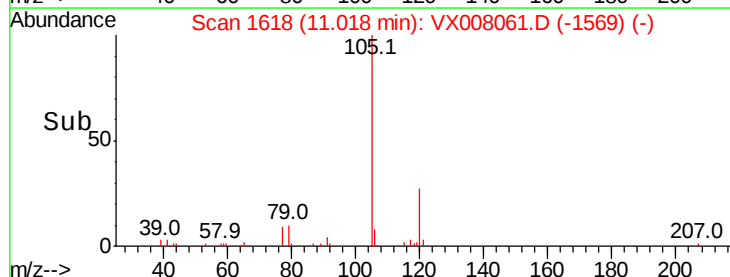
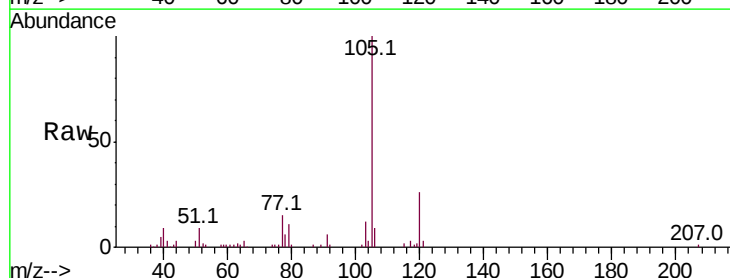
RT: 11.02 min Scan# 1618

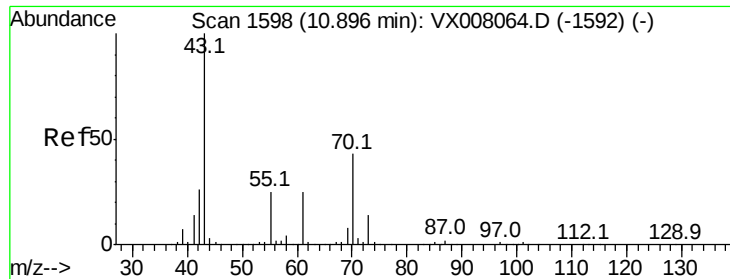
Delta R.T. -0.00 min

Lab File: VX008061.D

Acq: 14 Mar 2019 09:39

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.7	13.4	40.1





#74

N-amvl acetate

Concen: 0.922 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX008061.D

Acq: 14 Mar 2019 09:39

Instrument :

MSVOA_X

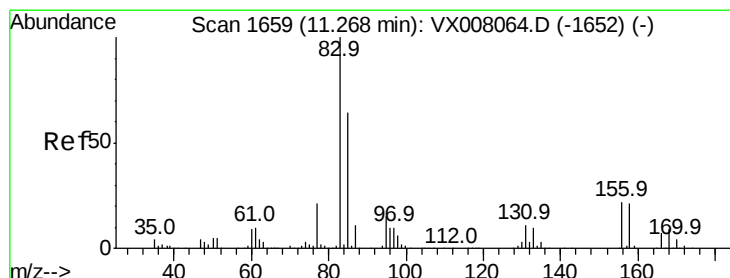
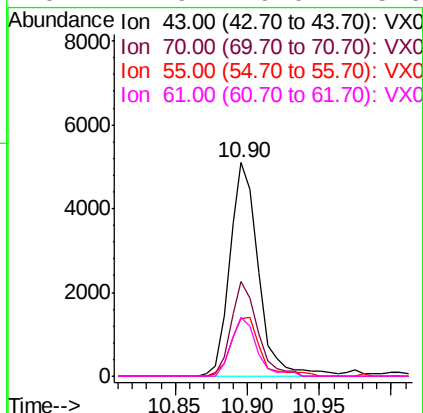
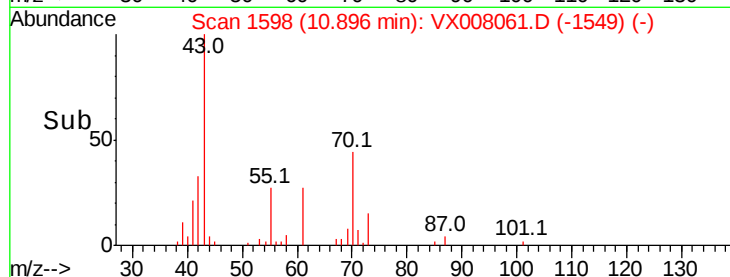
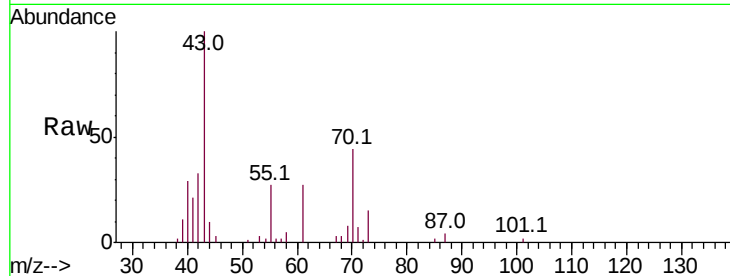
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
70	41.0	33.5	50.3
55	28.4	19.2	28.8
61	24.9	19.0	28.6

Manual Integrations
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#75

1,1,2,2-Tetrachloroethane

Concen: 1.089 ug/l

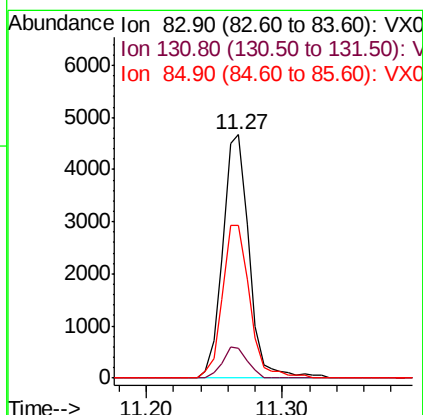
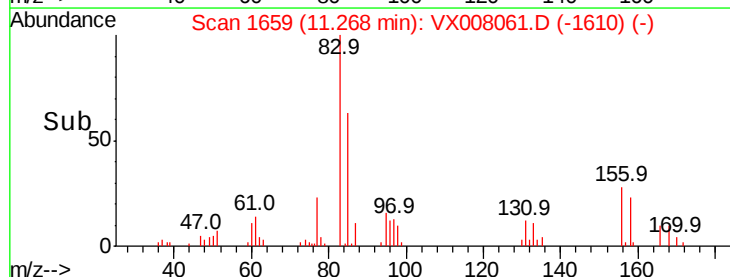
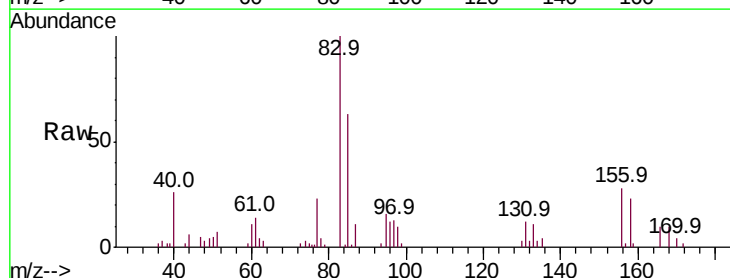
RT: 11.27 min Scan# 1659

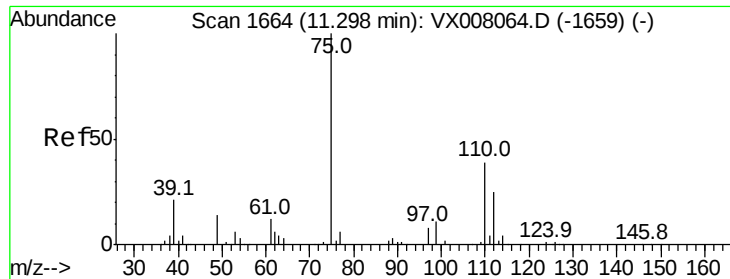
Delta R.T. -0.00 min

Lab File: VX008061.D

Acq: 14 Mar 2019 09:39

Tgt Ion	Ratio	Lower	Upper
83	100		
131	11.7	5.4	16.2
85	65.4	32.3	96.8





#76

1,2,3-Trichloropropane

Concen: 1.094 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. -0.01 min

Lab File: VX008061.D

Acq: 14 Mar 2019 09:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 75 Resp: 5327

Ion Ratio Lower Upper

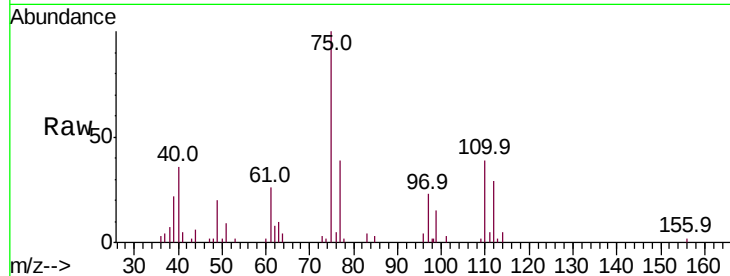
75 100

77 46.7 18.9 56.7

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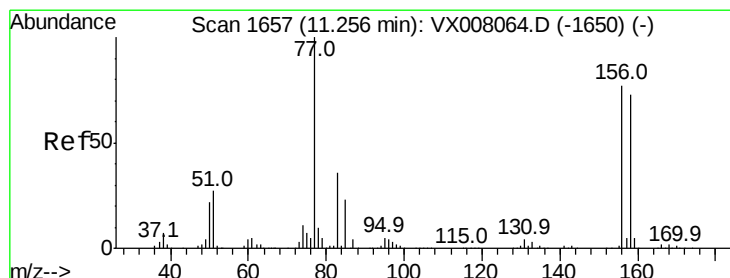
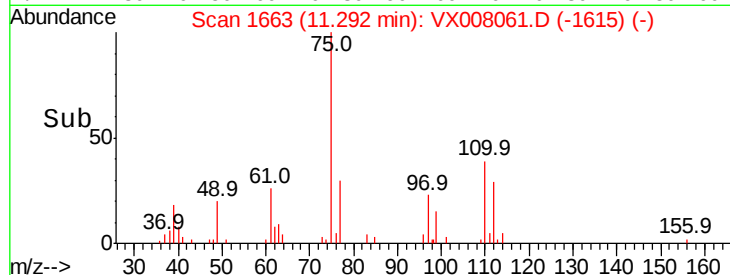
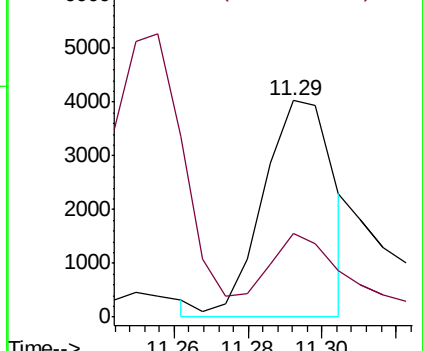
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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#77

Bromobenzene

Concen: 1.021 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX008061.D

Acq: 14 Mar 2019 09:39

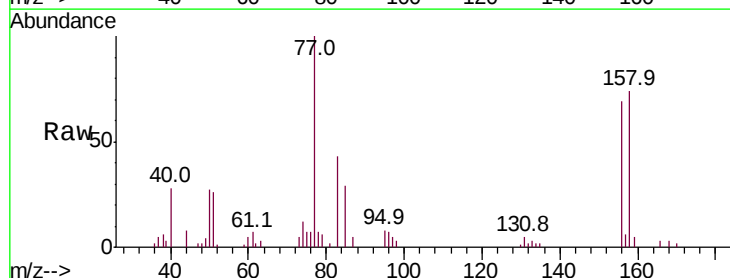
Tgt Ion:156 Resp: 5044

Ion Ratio Lower Upper

156 100

77 146.4 72.0 215.9

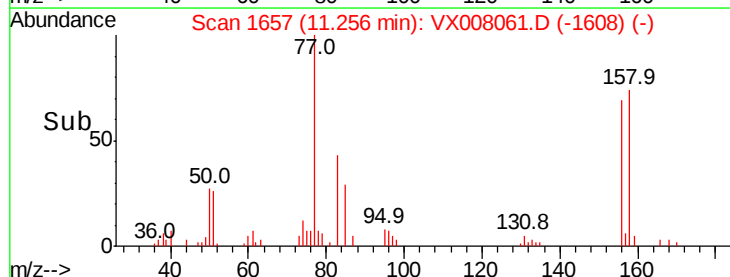
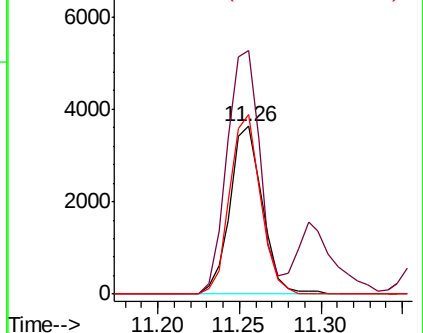
158 100.9 48.6 145.9

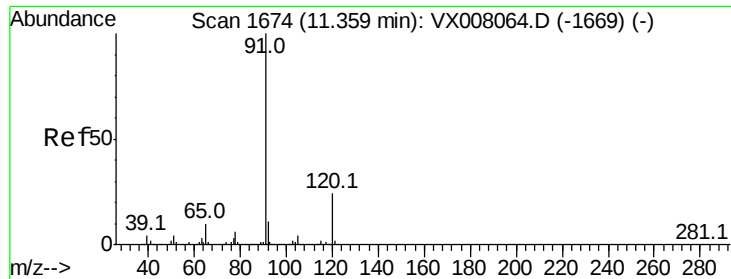


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V





#78

n-propylbenzene

Concen: 0.878 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX008061.D

Acq: 14 Mar 2019 09:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 18136

Ion Ratio Lower Upper

91 100

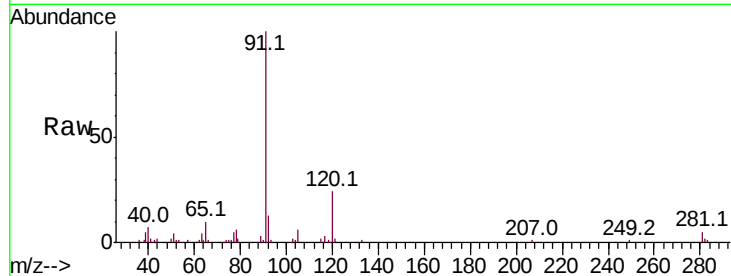
120 23.5 12.0 36.0

Manual Integrations

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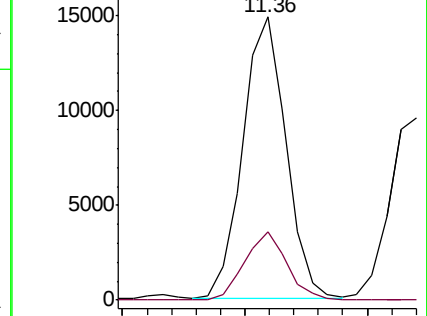
MMDadoda

3/15/2019 9:06:43 AM

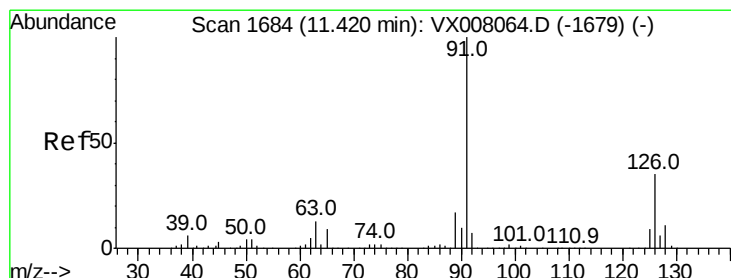
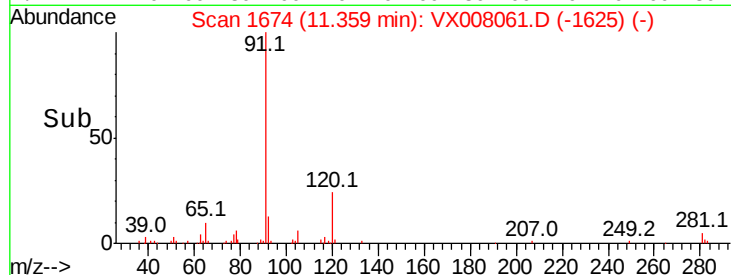


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



Time--> 11.30 11.35 11.40



#79

2-Chlorotoluene

Concen: 1.008 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX008061.D

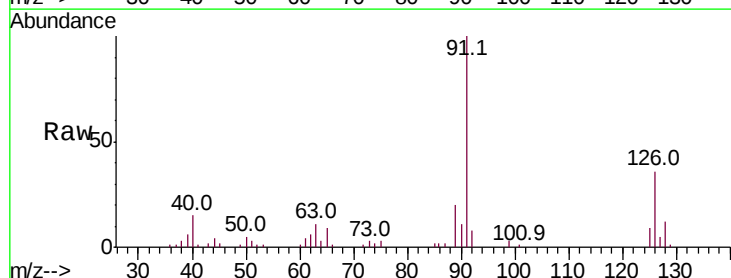
Acq: 14 Mar 2019 09:39

Tgt Ion: 91 Resp: 12305

Ion Ratio Lower Upper

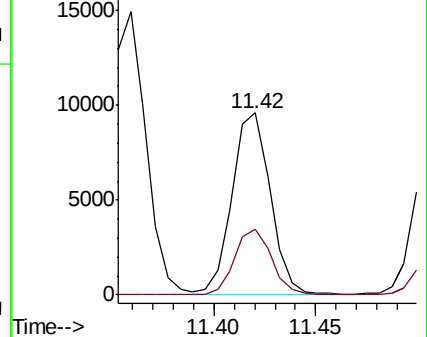
91 100

126 35.3 17.5 52.6

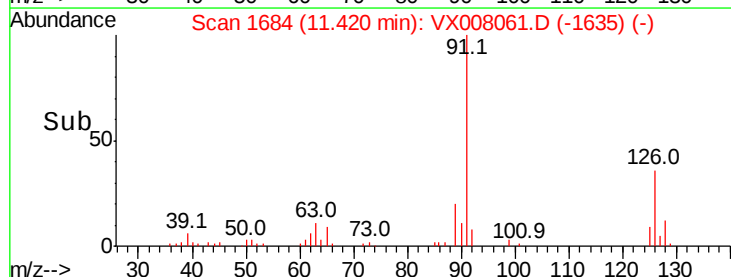


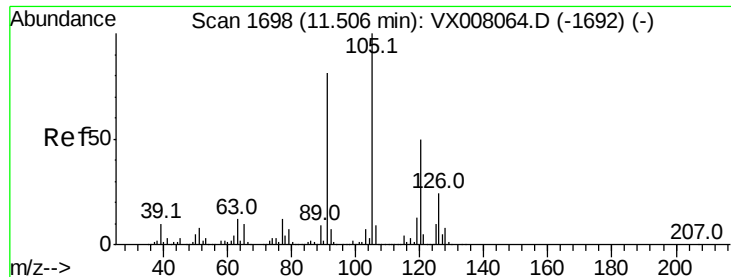
Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



Time--> 11.40 11.45





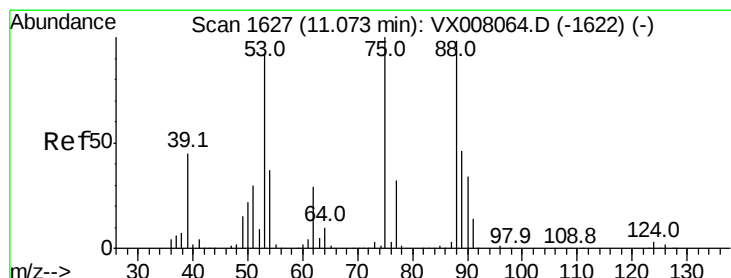
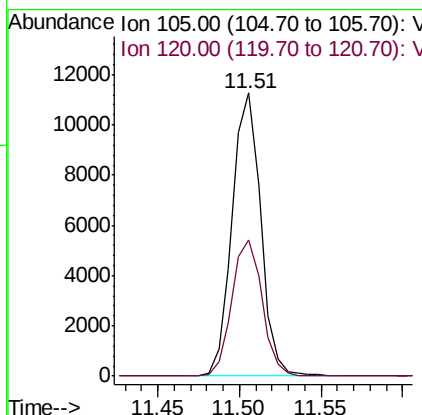
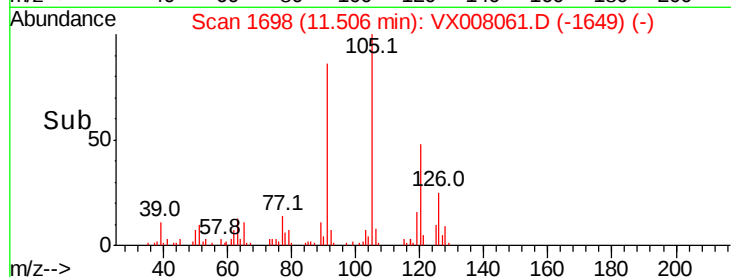
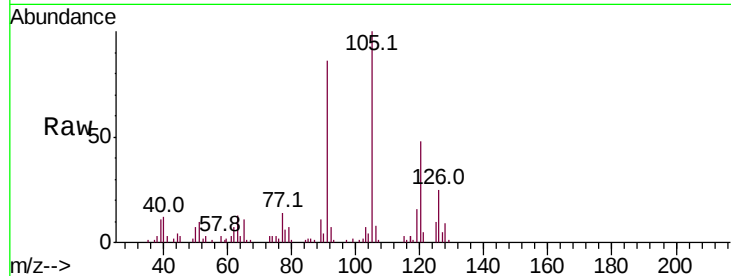
#80
 1,3,5-Trimethylbenzene
 Concen: 0.897 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX008061.D
 Acq: 14 Mar 2019 09:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion:105 Resp: 13766
 Ion Ratio Lower Upper
 105 100
 120 50.5 24.9 74.6

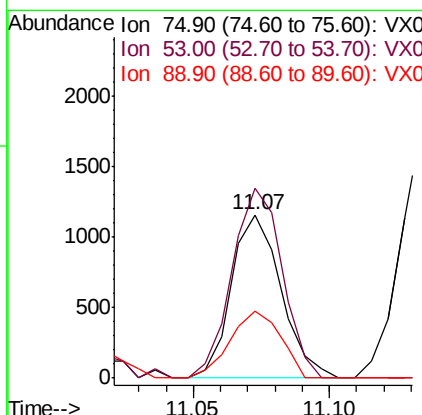
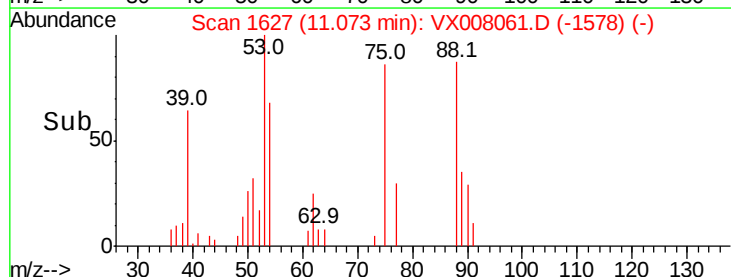
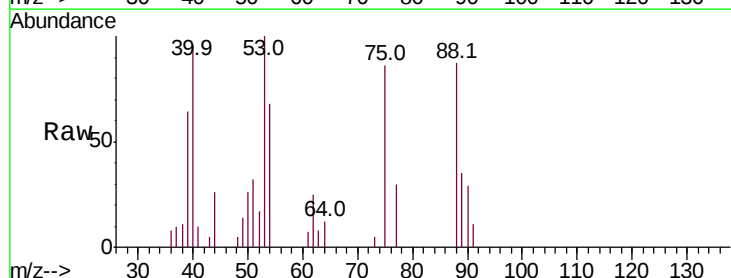
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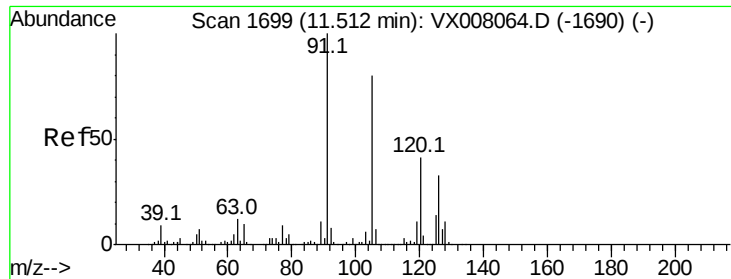
MMDadoda
 3/15/2019 9:06:43 AM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 0.801 ug/l
 RT: 11.07 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VX008061.D
 Acq: 14 Mar 2019 09:39

Tgt Ion: 75 Resp: 1470
 Ion Ratio Lower Upper
 75 100
 53 117.6 76.1 114.1#
 89 41.6 36.3 54.5





#82

4-Chlorotoluene

Concen: 0.992 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX008061.D

Acq: 14 Mar 2019 09:39

Instrument :

MSVOA_X

ClientSampled :

VSTDIC001

Tot Ion: 91 Resp: 13806

Ion Ratio Lower Upper

91 100

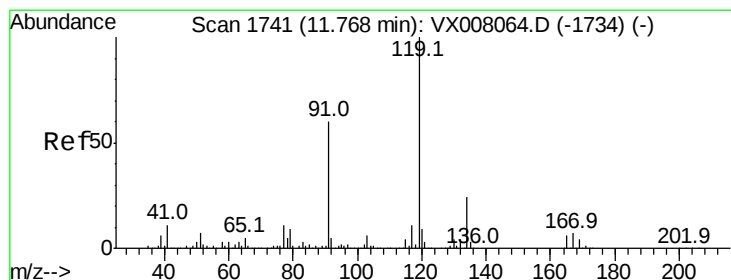
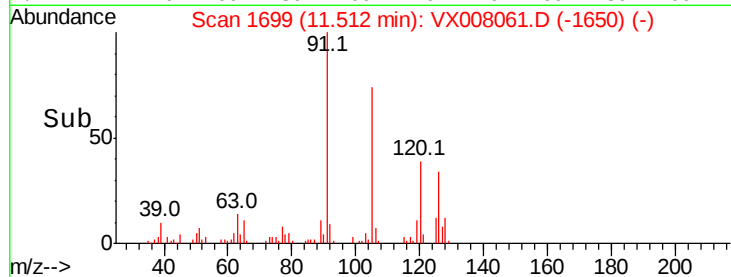
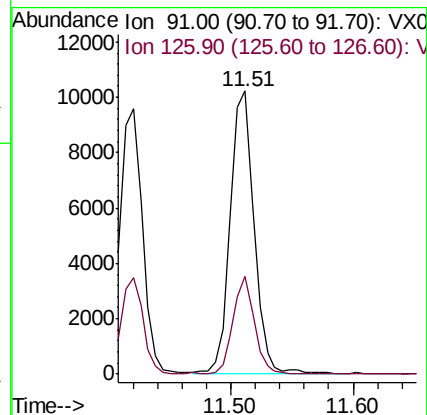
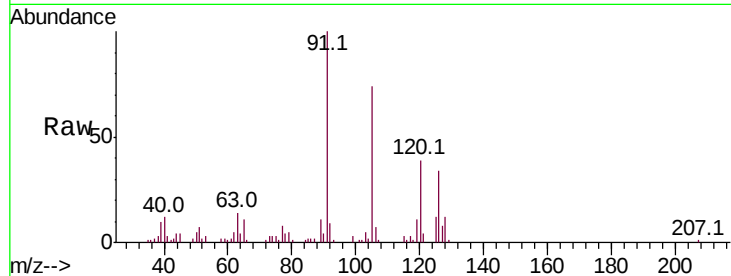
126 30.7 15.6 46.8

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#83

tert-Butylbenzene

Concen: 0.965 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX008061.D

Acq: 14 Mar 2019 09:39

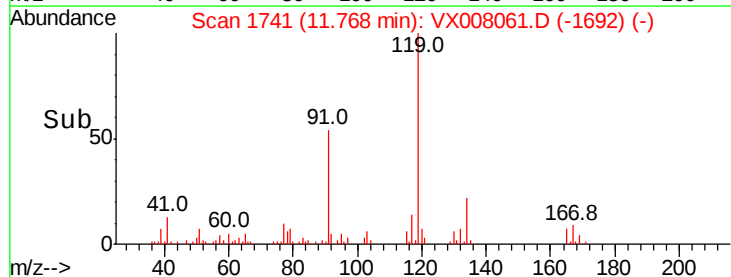
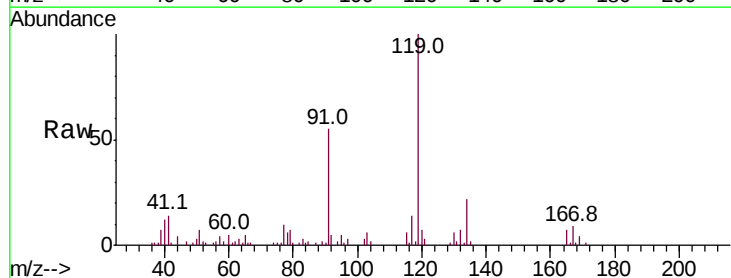
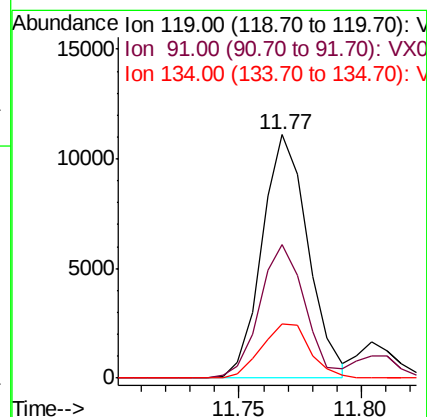
Tgt Ion: 119 Resp: 14512

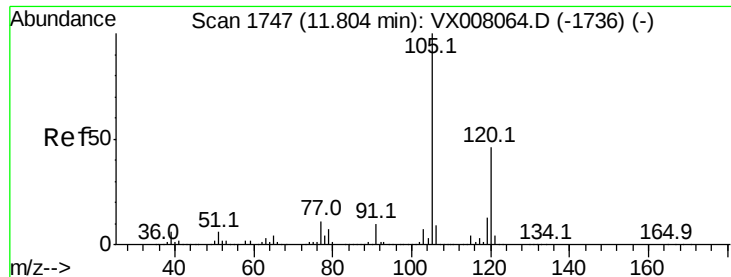
Ion Ratio Lower Upper

119 100

91 54.0 27.1 81.3

134 23.5 11.4 34.1





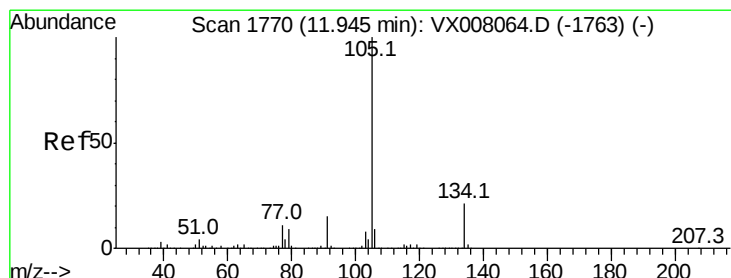
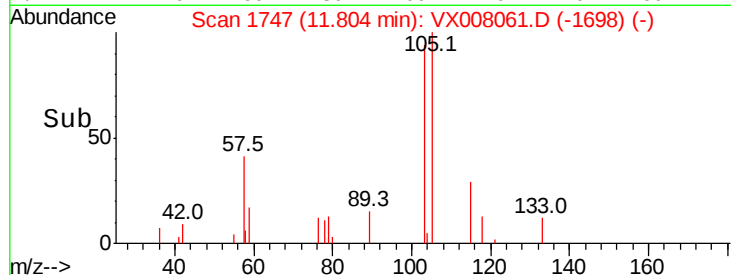
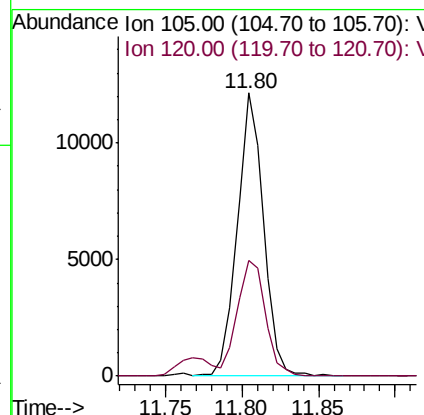
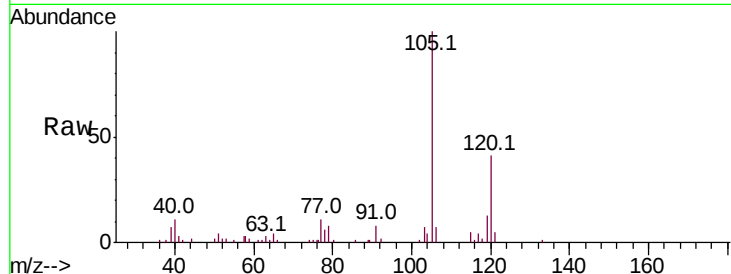
#84
 1,2,4-Trimethylbenzene
 Concen: 0.913 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX008061.D
 Acq: 14 Mar 2019 09:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
105	100		
120	43.6	22.6	67.7

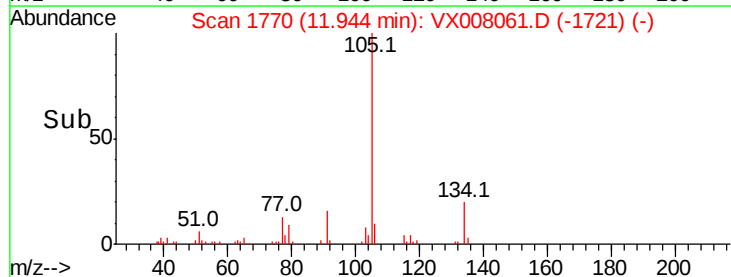
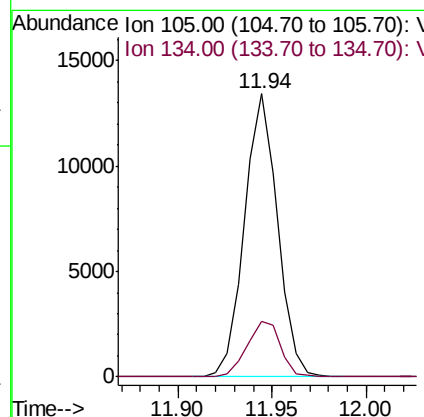
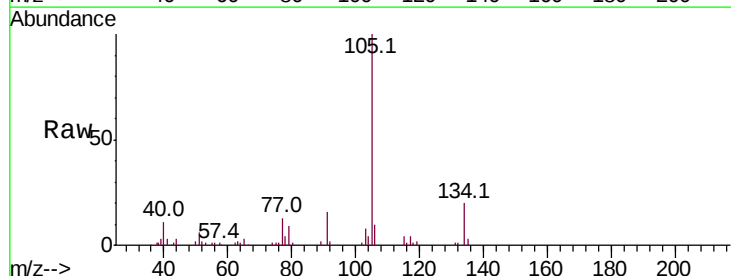
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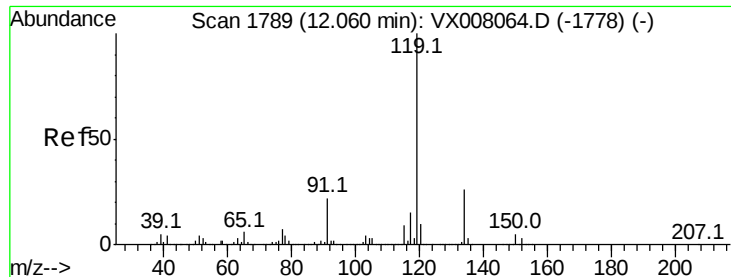
MMDadoda
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#85
 sec-Butylbenzene
 Concen: 0.886 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX008061.D
 Acq: 14 Mar 2019 09:39

Tgt Ion	Ratio	Lower	Upper
105	100		
134	19.9	10.4	31.2





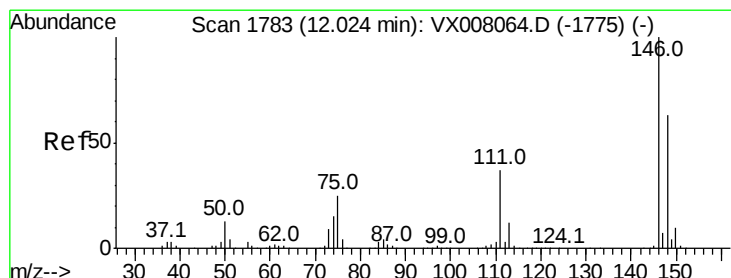
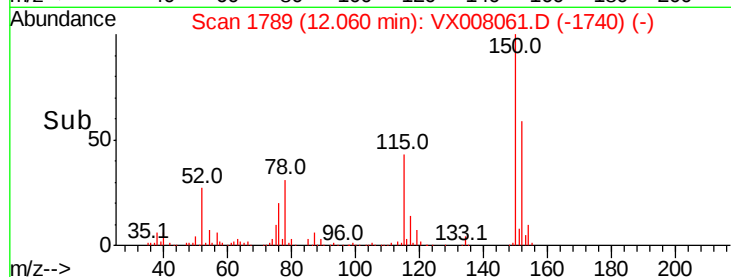
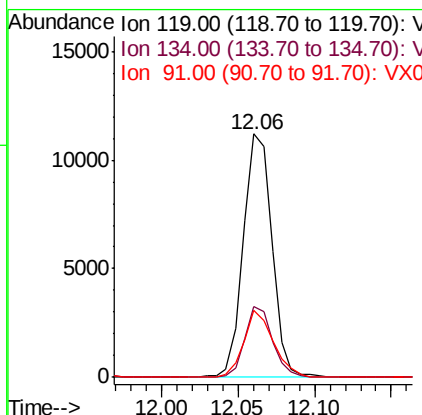
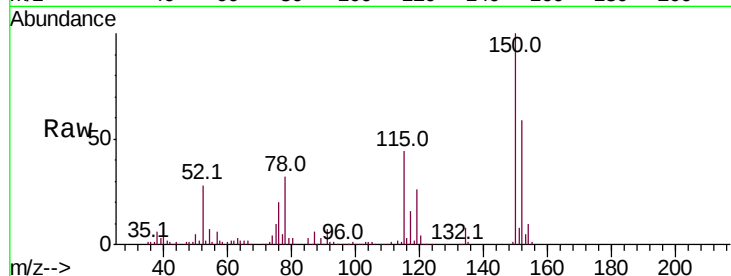
#86
p-Isopropyltoluene
Concen: 0.878 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VX008061.D
Acq: 14 Mar 2019 09:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
119	100		
134	28.0	13.3	39.9
91	28.2	10.9	32.7

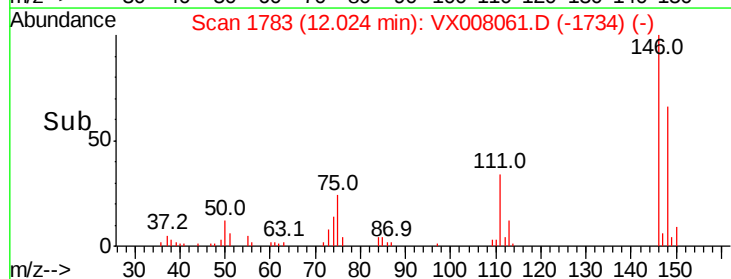
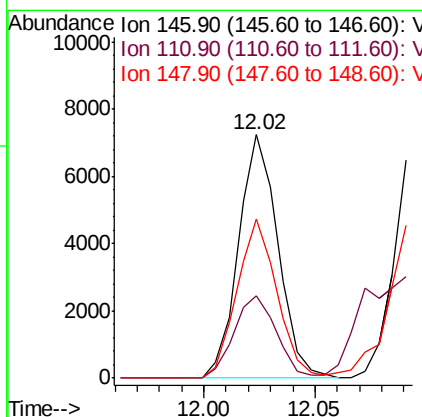
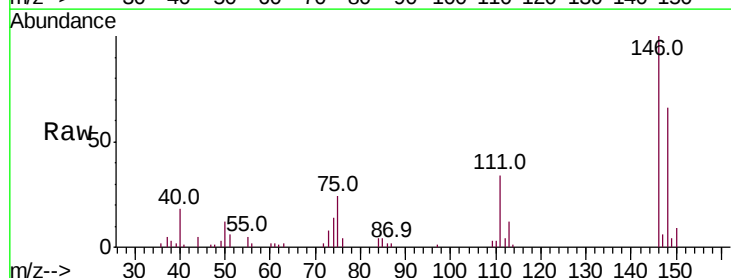
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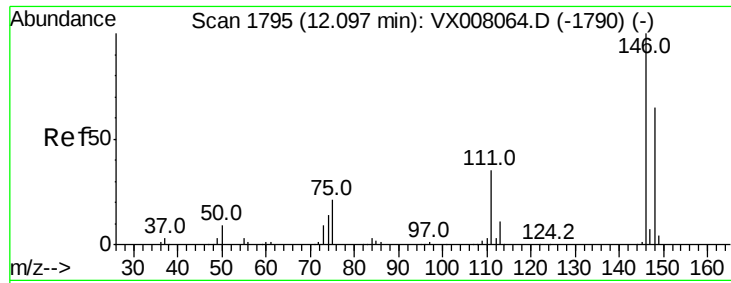
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#87
1,3-Dichlorobenzene
Concen: 1.022 ug/l
RT: 12.02 min Scan# 1783
Delta R.T. -0.00 min
Lab File: VX008061.D
Acq: 14 Mar 2019 09:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.9	56.7
148	66.4	31.7	95.1





#88

1,4-Dichlorobenzene

Concen: 1.092 ug/l m

RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX008061.D

Acq: 14 Mar 2019 09:39

Instrument :

MSVOA_X

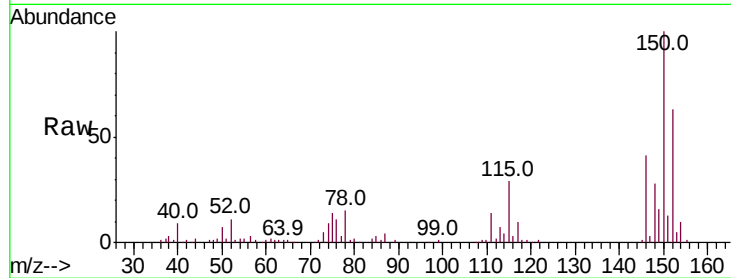
ClientSampleId :

VSTDIC001

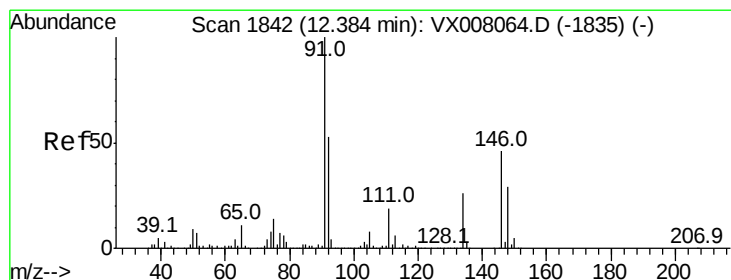
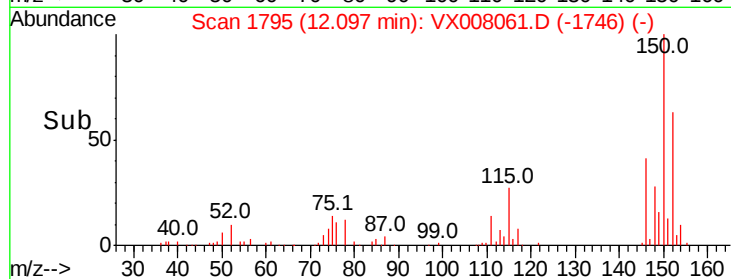
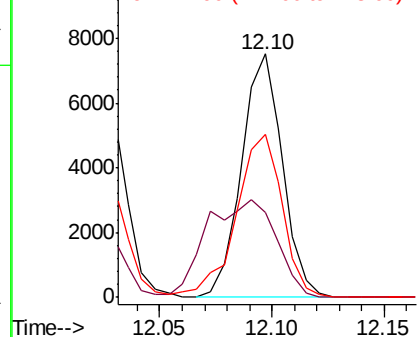
Tot Ion:	146	Resp:	9524
Ion Ratio	Lower	Upper	
146	100		
111	34.0	18.4	55.0
148	62.4	32.2	96.6

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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 0.872 ug/l

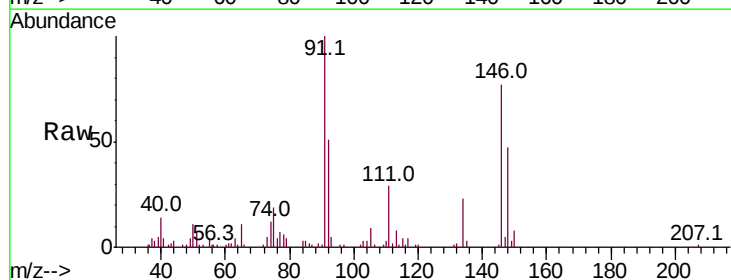
RT: 12.39 min Scan# 1843

Delta R.T. 0.01 min

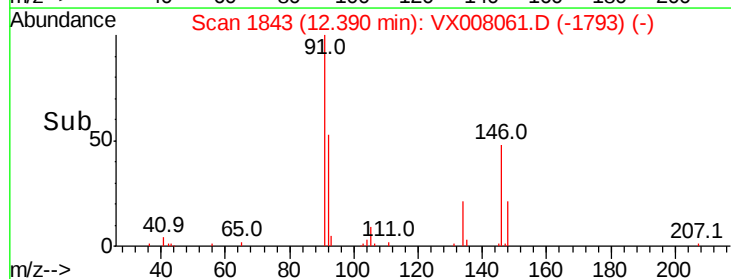
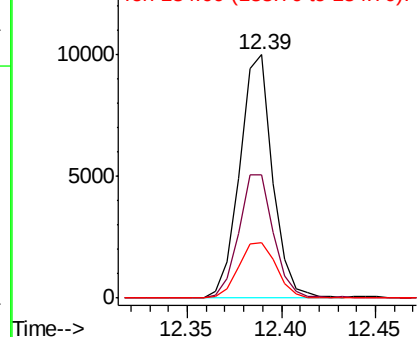
Lab File: VX008061.D

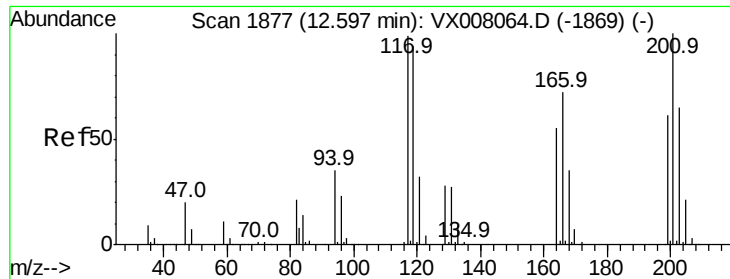
Acq: 14 Mar 2019 09:39

Tgt Ion:	91	Resp:	12137
Ion Ratio	Lower	Upper	
91	100		
92	53.8	27.0	80.8
134	26.0	13.7	41.0



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 92.00 (91.70 to 92.70): VX0
Ion 134.00 (133.70 to 134.70): V





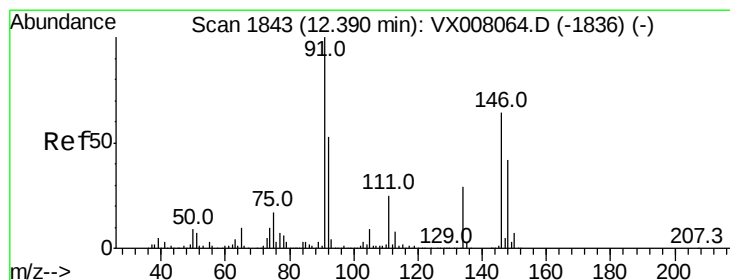
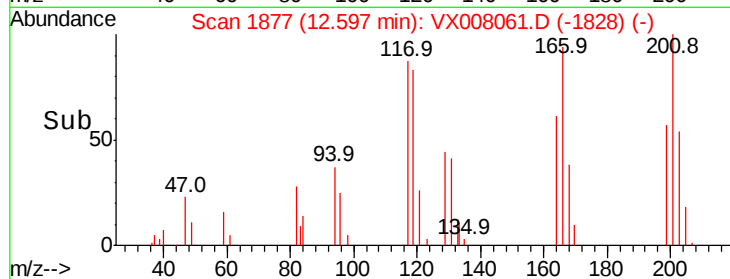
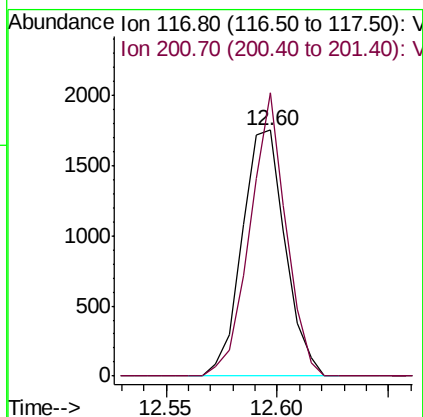
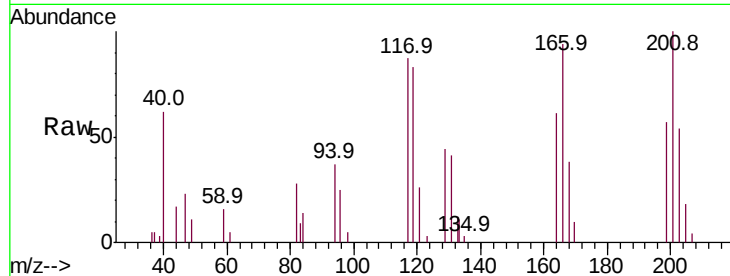
#90
Hexachloroethane
Concen: 0.883 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX008061.D
Acq: 14 Mar 2019 09:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion:117 Resp: 2366
Ion Ratio Lower Upper
117 100
201 95.6 48.9 146.7

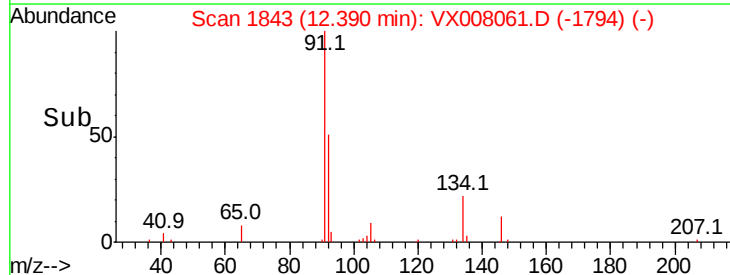
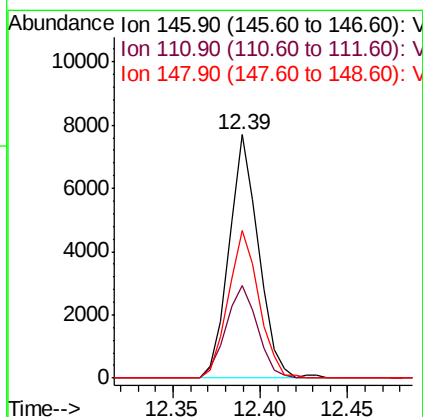
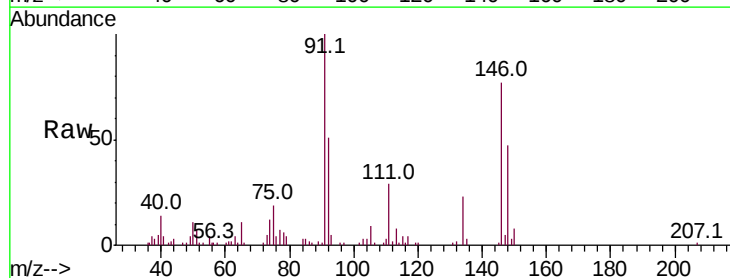
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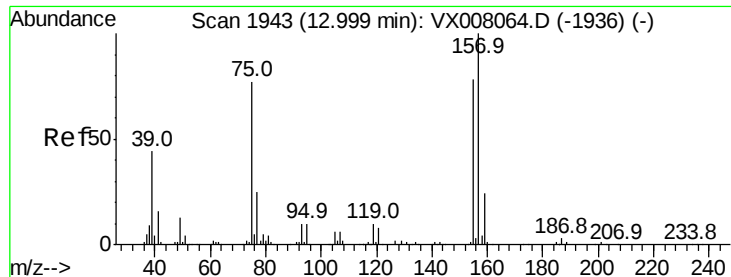
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#91
1,2-Dichlorobenzene
Concen: 1.053 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX008061.D
Acq: 14 Mar 2019 09:39

Tgt Ion:146 Resp: 9031
Ion Ratio Lower Upper
146 100
111 40.5 19.6 58.8
148 63.1 31.9 95.5





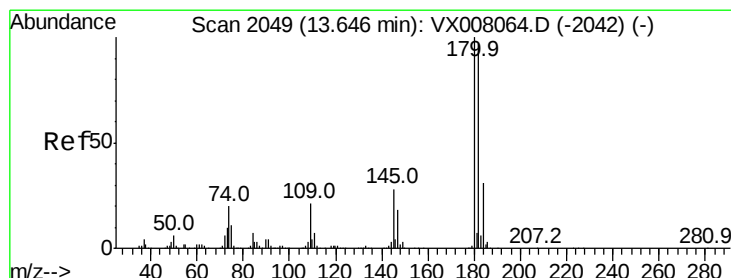
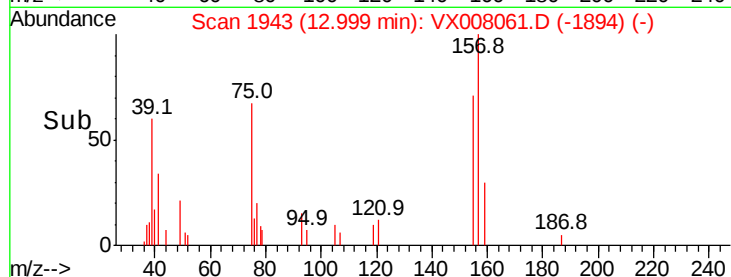
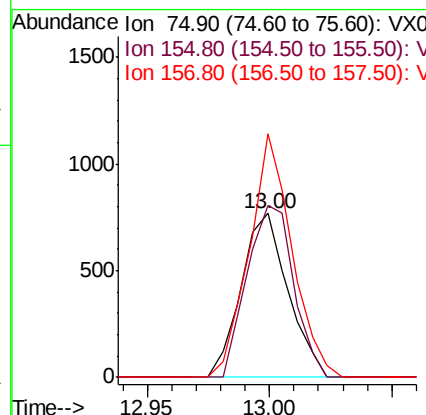
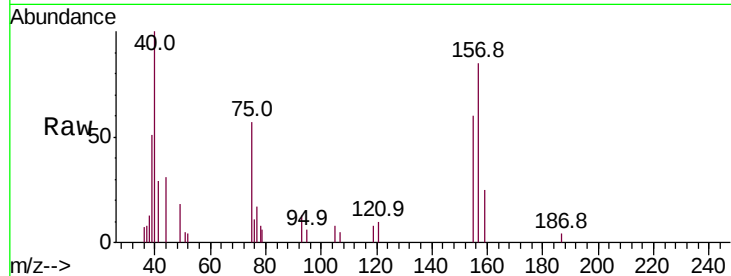
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.799 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX008061.D
 Acq: 14 Mar 2019 09:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion: 75 Resp: 1017
 Ion Ratio Lower Upper
 75 100
 155 104.7 49.7 149.1
 157 136.0 63.8 191.4

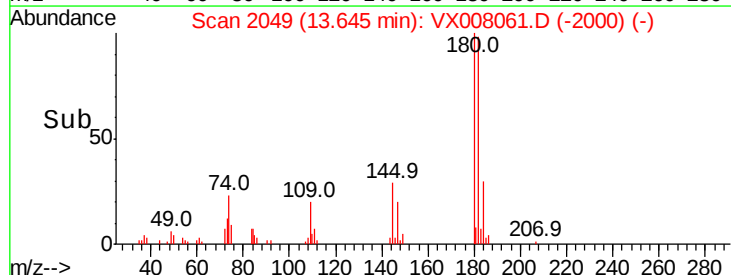
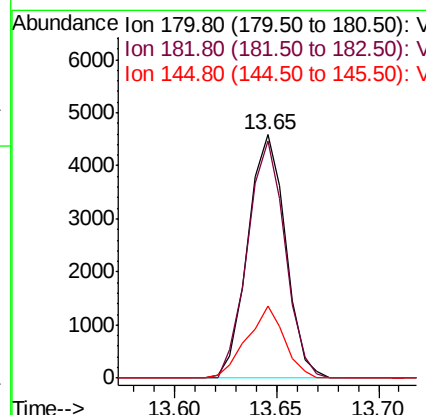
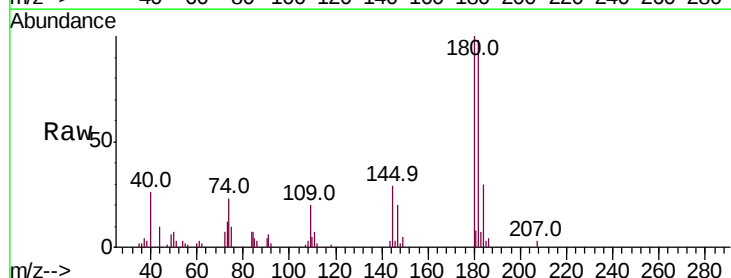
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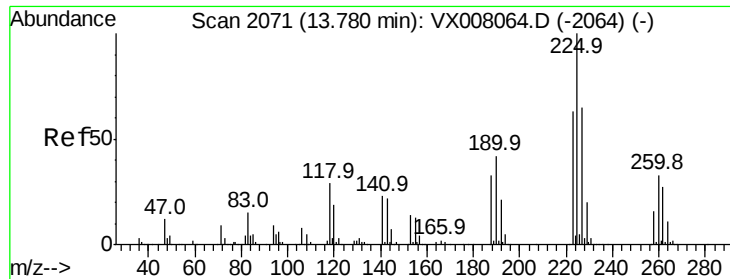
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#93
 1,2,4-Trichlorobenzene
 Concen: 0.957 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX008061.D
 Acq: 14 Mar 2019 09:39

Tgt Ion: 180 Resp: 5899
 Ion Ratio Lower Upper
 180 100
 182 97.0 47.9 143.7
 145 29.1 14.1 42.4





#94

Hexachlorobutadiene

Concen: 0.997 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. -0.00 min

Lab File: VX008061.D

Acq: 14 Mar 2019 09:39

Instrument :

MSVOA_X

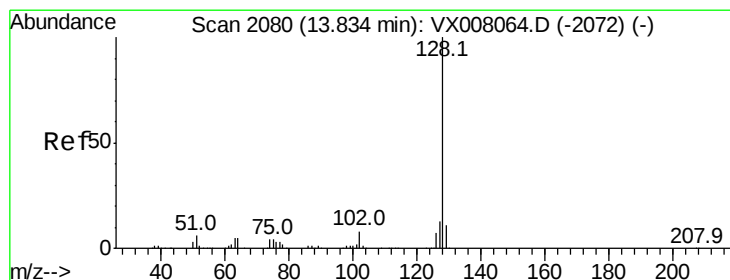
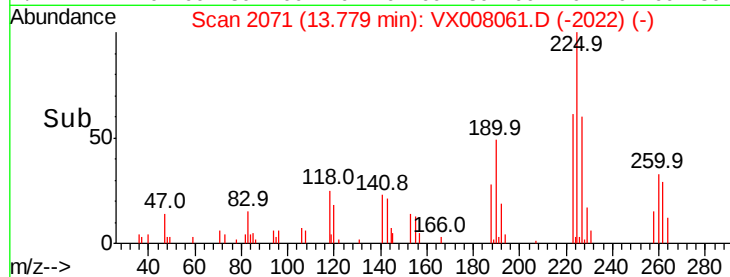
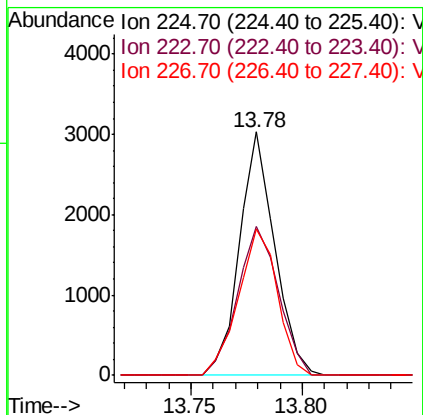
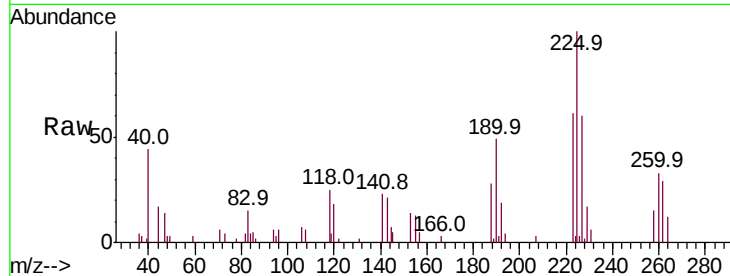
ClientSampleId :

VSTDIC001

Tot Ion:	225	Resp:	3352
Ion Ratio	Lower	Upper	
225	100		
223	70.9	31.1	93.2
227	66.2	32.0	96.0

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#95

Naphthalene

Concen: 0.823 ug/l

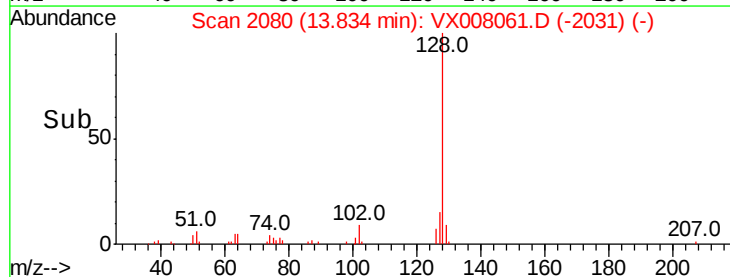
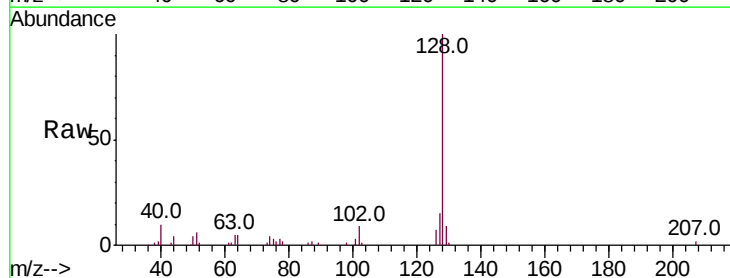
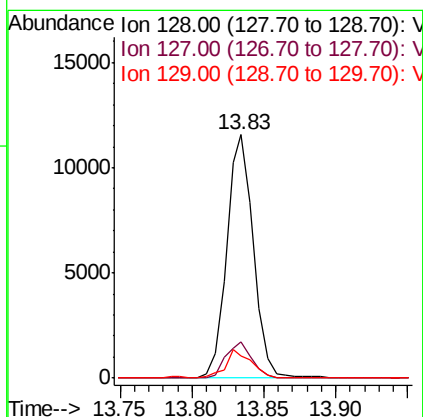
RT: 13.83 min Scan# 2080

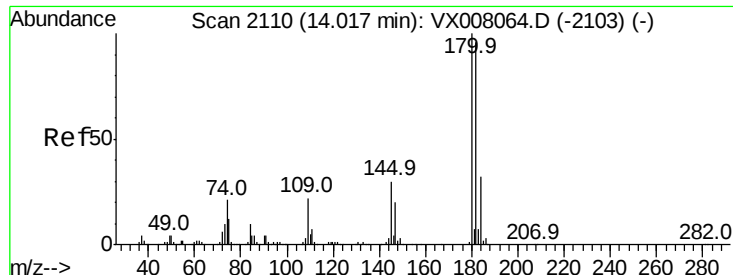
Delta R.T. -0.00 min

Lab File: VX008061.D

Acq: 14 Mar 2019 09:39

Tgt Ion:	128	Resp:	15006
Ion Ratio	Lower	Upper	
128	100		
127	14.4	10.3	15.5
129	11.2	8.7	13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.920 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. -0.00 min
 Lab File: VX008061.D
 Acq: 14 Mar 2019 09:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	97.3	47.5	142.5	
145	31.5	14.8	44.3	

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