

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX031919\
 Data File : VX008180.D
 Acq On : 19 Mar 2019 10:19
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 3/20/2019 10:26:41 AM

Quant Time: Mar 19 11:43:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 11:34:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	294126	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	487011	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	424402	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	185245	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	26007	5.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.54%	
35) Dibromofluoromethane	5.49	113	18269	5.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.88%	
50) Toluene-d8	8.71	98	66728	5.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.34%	
62) 4-Bromofluorobenzene	11.13	95	21110	4.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	14629	3.799	ug/l	100
3) Chloromethane	1.33	50	20855	4.782	ug/l	100
4) Vinyl Chloride	1.41	62	23214	5.084	ug/l	99
5) Bromomethane	1.64	94	21399	5.453	ug/l	98
6) Chloroethane	1.72	64	15018	5.491	ug/l	97
7) Trichlorofluoromethane	1.93	101	30864	5.477	ug/l	98
8) Diethyl Ether	2.19	74	13594	4.247	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.39	101	17052	4.224	ug/l	90
10) Methyl Iodide	2.51	142	18318	3.426	ug/l	93
11) Tert butyl alcohol	3.06	59	20734	20.449	ug/l	97
12) 1,1-Dichloroethene	2.37	96	15948	4.167	ug/l	93
13) Acrolein	2.29	56	23529	34.218	ug/l	97
14) Allyl chloride	2.73	41	34398	4.035	ug/l	91
15) Acrylonitrile	3.14	53	57477	21.241	ug/l	98
16) Acetone	2.45	43	62391	23.633	ug/l	99
17) Carbon Disulfide	2.57	76	43032	3.604	ug/l	99
18) Methyl Acetate	2.78	43	24713	3.832	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	59574	4.243	ug/l	99
20) Methylene Chloride	2.86	84	20012	4.576	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	16524	4.073	ug/l	89
22) Diisopropyl ether	3.86	45	70666	4.222	ug/l	# 86
23) Vinyl Acetate	3.82	43	291706	19.765	ug/l	95
24) 1,1-Dichloroethane	3.70	63	36001	4.273	ug/l	99
25) 2-Butanone	4.68	43	87396	21.563	ug/l	98
26) 2,2-Dichloropropane	4.58	77	26510	4.134	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	19775	4.245	ug/l	90
28) Bromochloromethane	5.01	49	17483	4.938	ug/l	83
29) Tetrahydrofuran	5.13	42	53040	20.311	ug/l	97
30) Chloroform	5.21	83	35573	4.496	ug/l	90
31) Cyclohexane	5.58	56	30904	3.754	ug/l	91
32) 1,1,1-Trichloroethane	5.50	97	28061	4.222	ug/l	96
36) 1,1-Dichloropropene	5.80	75	25074	4.118	ug/l	99
37) Ethyl Acetate	4.84	43	30742	4.054	ug/l	98
38) Carbon Tetrachloride	5.79	117	22036	3.960	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	29362	3.899	ug/l	94
40) Benzene	6.14	78	79042	4.331	ug/l	99
41) Methacrylonitrile	5.04	41	17021	4.007	ug/l	98
42) 1,2-Dichloroethane	6.20	62	29168	4.419	ug/l	99
43) Isopropyl Acetate	6.45	43	48903	4.026	ug/l	97
44) Trichloroethene	7.21	130	18865	4.343	ug/l	86
45) 1,2-Dichloropropane	7.51	63	21757	4.335	ug/l	94
46) Dibromomethane	7.66	93	13154	4.343	ug/l #	85
47) Bromodichloromethane	7.90	83	24470	4.081	ug/l	98
48) Methyl methacrylate	7.77	41	25121	3.931	ug/l #	88
49) 1,4-Dioxane	7.74	88	9323	88.914	ug/l	89
51) 4-Methyl-2-Pentanone	8.64	43	161451	20.845	ug/l	96
52) Toluene	8.78	92	45611	4.247	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	24022	3.471	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	28684	3.794	ug/l #	87
55) 1,1,2-Trichloroethane	9.21	97	18979	4.289	ug/l	96
56) Ethyl methacrylate	9.18	69	28397	3.830	ug/l #	89
57) 1,3-Dichloropropane	9.37	76	33950	4.345	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	87537	25.372	ug/l	94
59) 2-Hexanone	9.49	43	123494	20.916	ug/l	93
60) Dibromochloromethane	9.58	129	17086	3.893	ug/l	98
61) 1,2-Dibromoethane	9.67	107	19147	4.164	ug/l	99
64) Tetrachloroethene	9.34	164	17525	4.295	ug/l	92
65) Chlorobenzene	10.13	112	48600	4.339	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.22	131	16709	4.161	ug/l	96
67) Ethyl Benzene	10.25	91	83061	4.073	ug/l	97
68) m/p-Xylenes	10.36	106	60022	8.023	ug/l	93
69) o-Xylene	10.69	106	29650	4.067	ug/l	94
70) Styrene	10.71	104	46632	3.909	ug/l	95
71) Bromoform	10.85	173	11349	3.625	ug/l #	99
73) Isopropylbenzene	11.02	105	78204	4.295	ug/l	98
74) N-amyl acetate	10.90	43	39313	4.060	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.27	83	28925	4.623	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	25160m	4.574	ug/l	
77) Bromobenzene	11.26	156	18959	4.438	ug/l	82
78) n-propylbenzene	11.36	91	88145	4.083	ug/l	95
79) 2-Chlorotoluene	11.42	91	55272	4.407	ug/l	94
80) 1,3,5-Trimethylbenzene	11.51	105	63263	4.171	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	7036	3.371	ug/l #	75
82) 4-Chlorotoluene	11.51	91	61233	4.176	ug/l	95
83) tert-Butylbenzene	11.77	119	61125	4.291	ug/l	91
84) 1,2,4-Trimethylbenzene	11.80	105	64522	4.180	ug/l	99
85) sec-Butylbenzene	11.94	105	74990	4.164	ug/l	96
86) p-Isopropyltoluene	12.06	119	63702	4.081	ug/l	95
87) 1,3-Dichlorobenzene	12.02	146	32701	4.280	ug/l	95
88) 1,4-Dichlorobenzene	12.10	146	34057	4.453	ug/l	91
89) n-Butylbenzene	12.38	91	56428	3.801	ug/l	96
90) Hexachloroethane	12.59	117	10240	3.816	ug/l	84
91) 1,2-Dichlorobenzene	12.39	146	34246	4.498	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	5756	4.055	ug/l	78

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MSVOA_X
ClientSampleId :
VSTDICC005

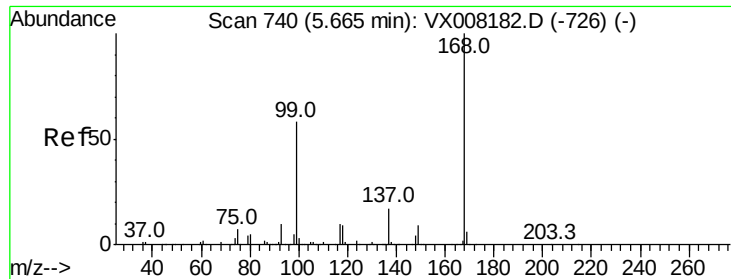
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	20589	4.022	ug/l	95
94) Hexachlorobutadiene	13.78	225	10583	4.232	ug/l	96
95) Naphthalene	13.83	128	62216	3.687	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	20839	4.107	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX008180.D

Acq: 19 Mar 2019 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 294126

Ion Ratio Lower Upper

168 100

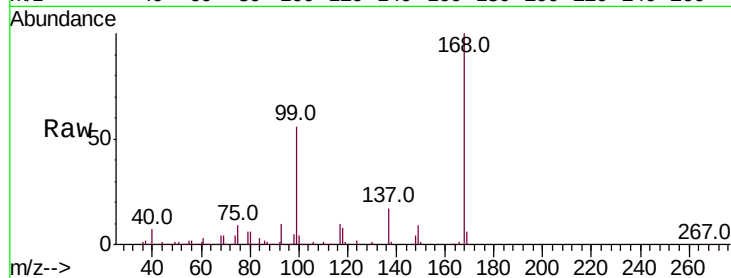
99 56.1 37.6 56.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

60000

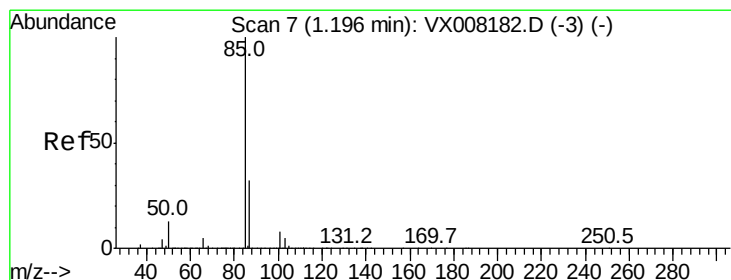
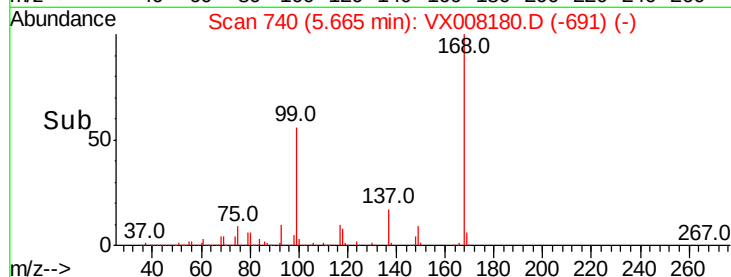
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 3.799 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX008180.D

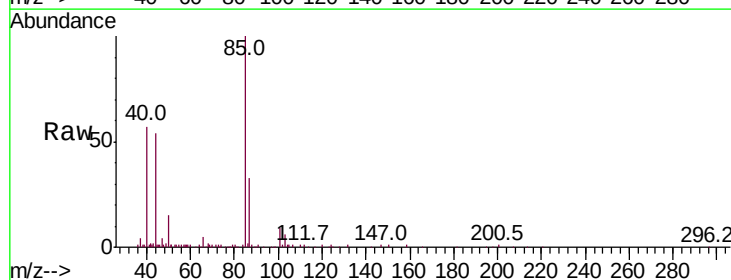
Acq: 19 Mar 2019 10:19

Tgt Ion: 85 Resp: 14629

Ion Ratio Lower Upper

85 100

87 32.6 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

15000

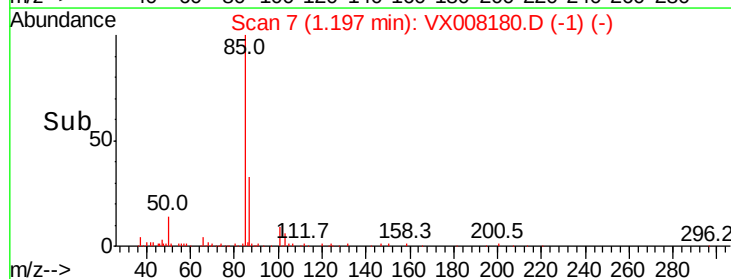
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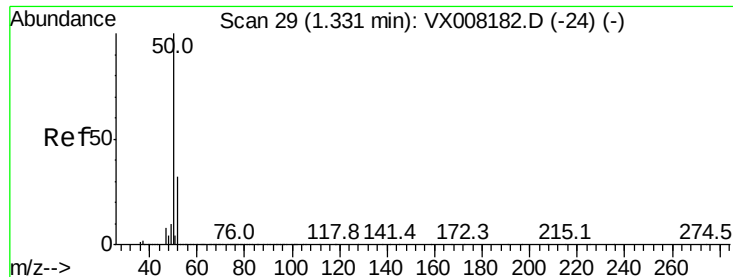
5000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 4.782 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX008180.D

Acq: 19 Mar 2019 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 20855

Ion Ratio Lower Upper

50 100

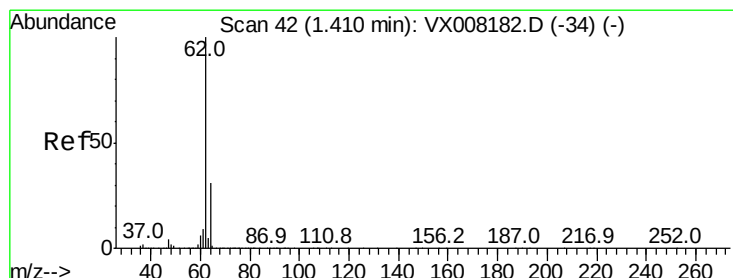
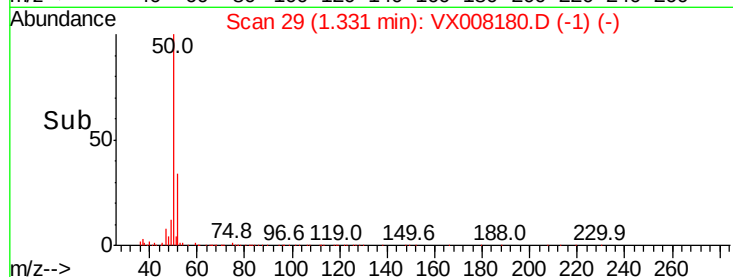
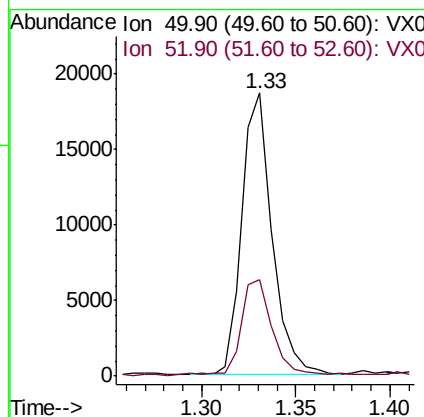
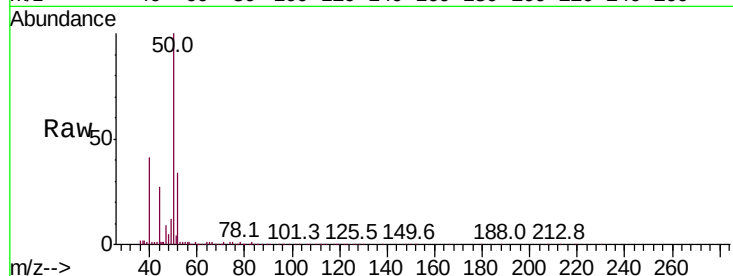
52 33.3 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 5.084 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX008180.D

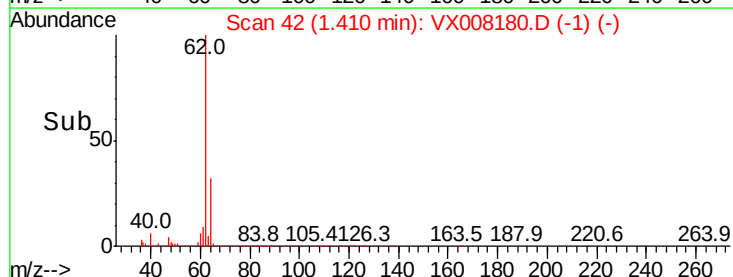
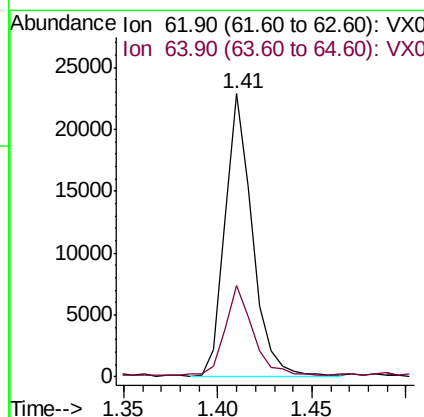
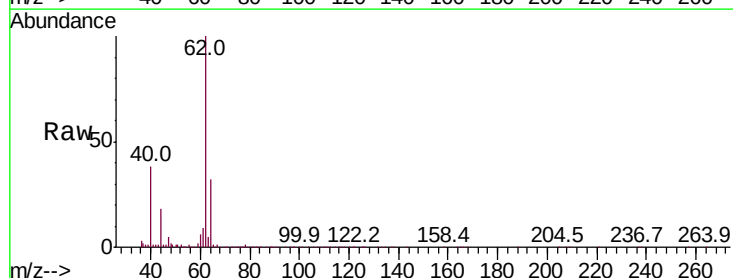
Acq: 19 Mar 2019 10:19

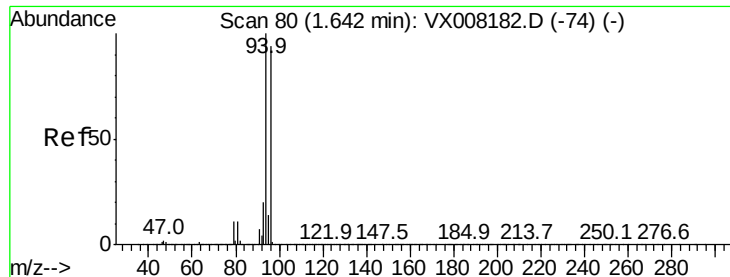
Tgt Ion: 62 Resp: 23214

Ion Ratio Lower Upper

62 100

64 31.1 25.3 37.9





#5

Bromomethane

Concen: 5.453 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX008180.D

Acq: 19 Mar 2019 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 21399

Ion Ratio Lower Upper

94 100

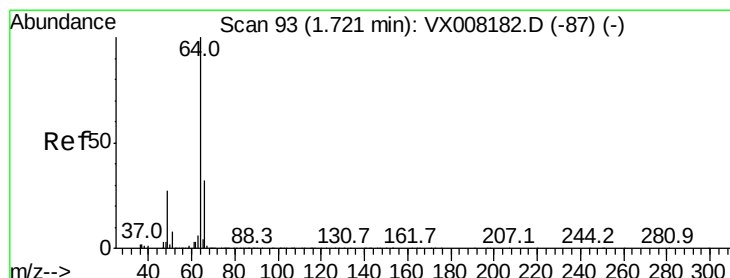
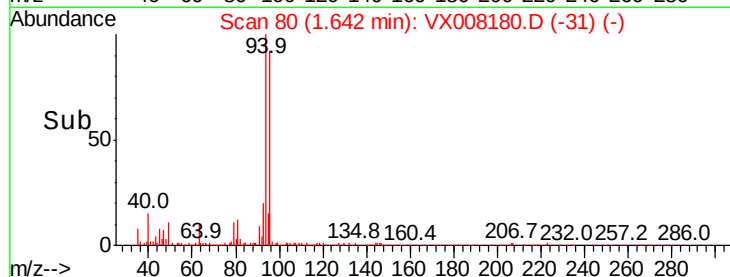
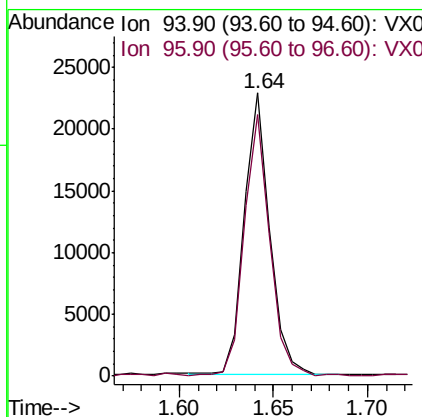
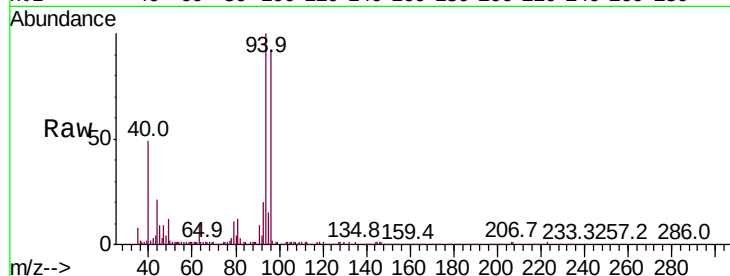
96 92.4 75.5 113.3

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#6

Chloroethane

Concen: 5.491 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.00 min

Lab File: VX008180.D

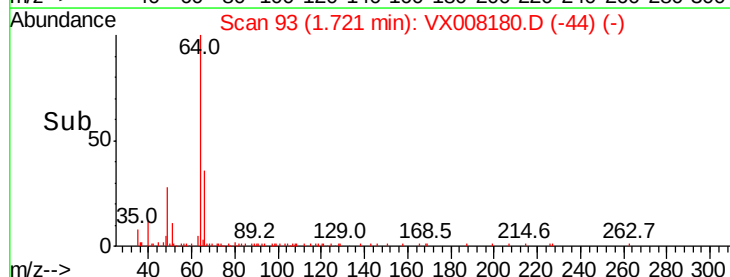
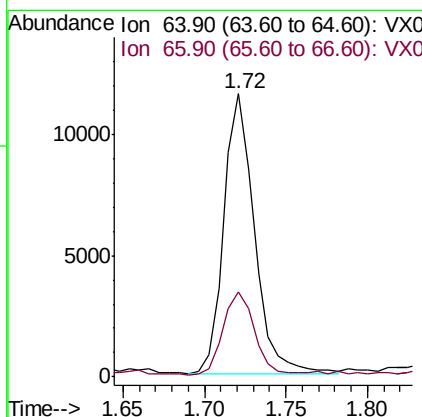
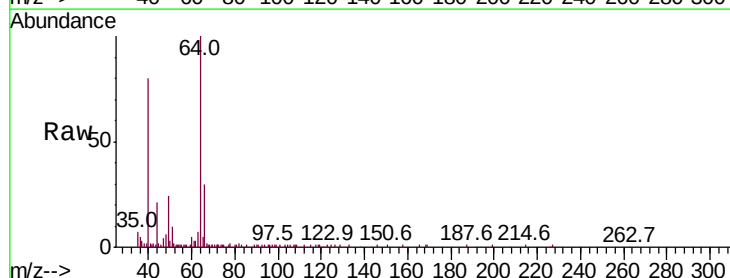
Acq: 19 Mar 2019 10:19

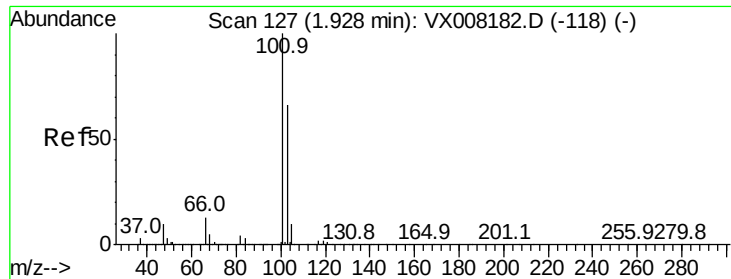
Tgt Ion: 64 Resp: 15018

Ion Ratio Lower Upper

64 100

66 29.8 25.2 37.8





#7

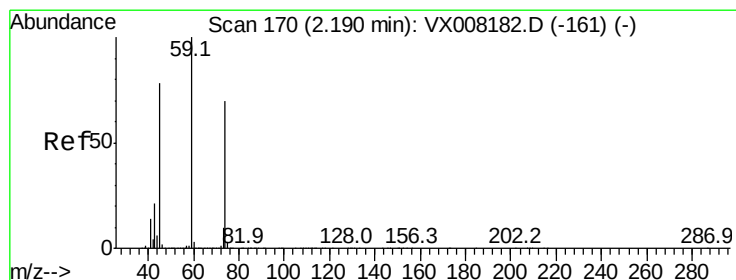
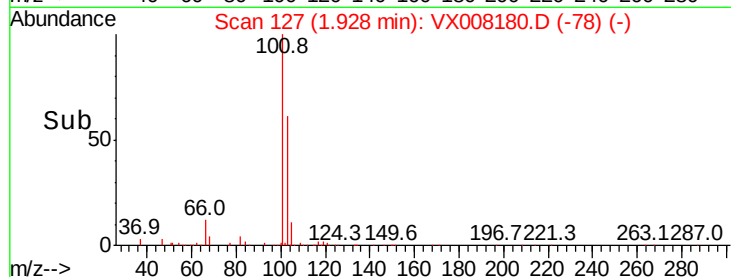
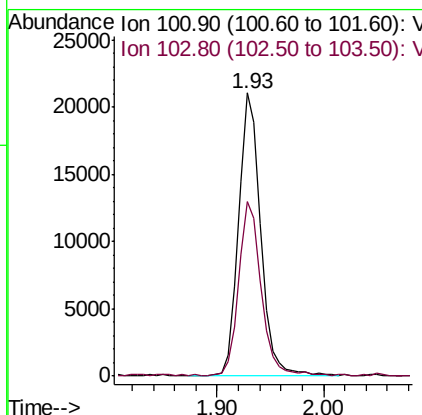
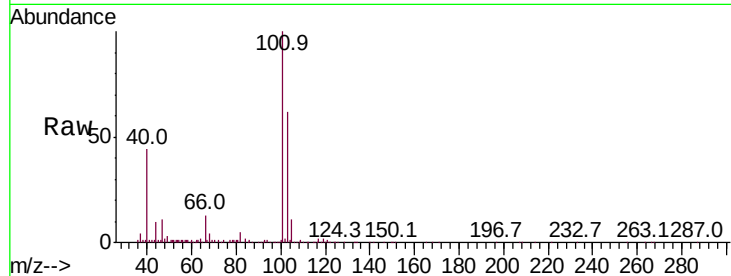
Trichlorofluoromethane
Concen: 5.477 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX008180.D
Acq: 19 Mar 2019 10:19

Instrument :
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ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.6	50.4	75.6

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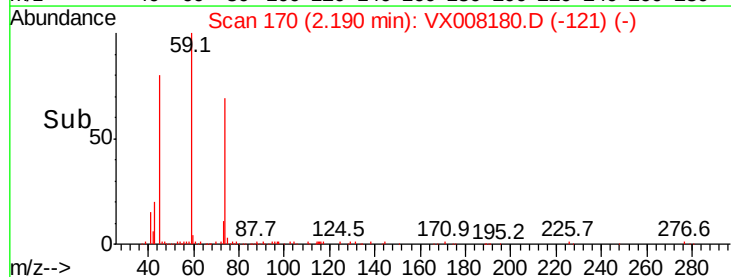
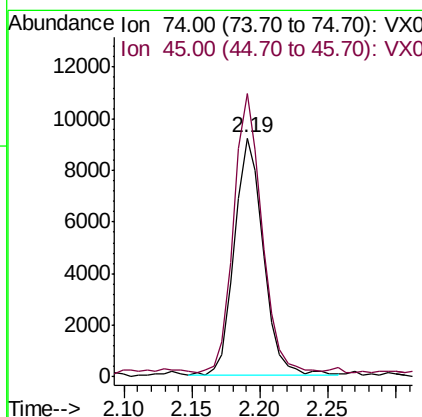
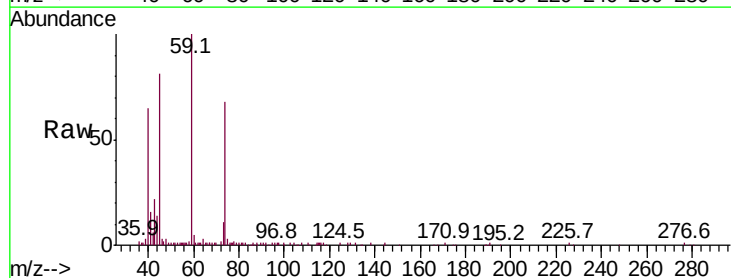
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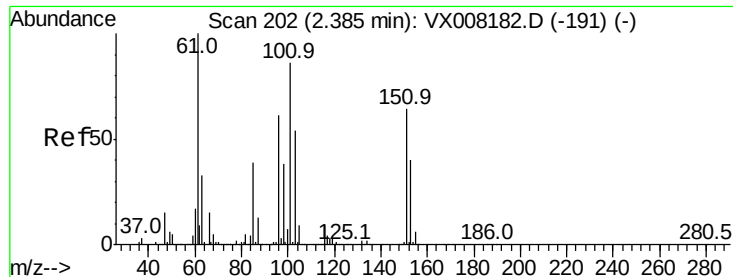


#8

Diethyl Ether
Concen: 4.247 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX008180.D
Acq: 19 Mar 2019 10:19

Tgt Ion	Ratio	Lower	Upper
74	100		
45	114.9	52.1	156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.224 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX008180.D

Acq: 19 Mar 2019 10:19

Instrument :

MSVOA_X

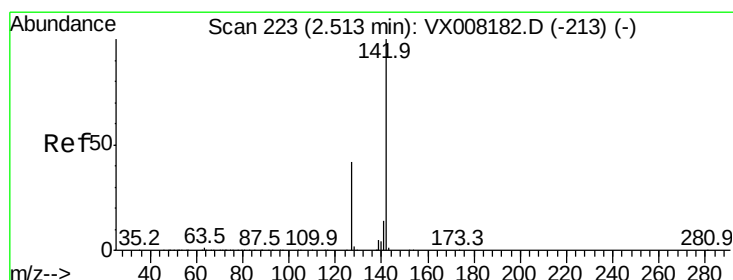
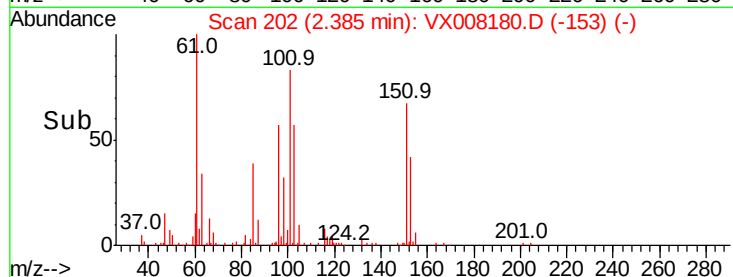
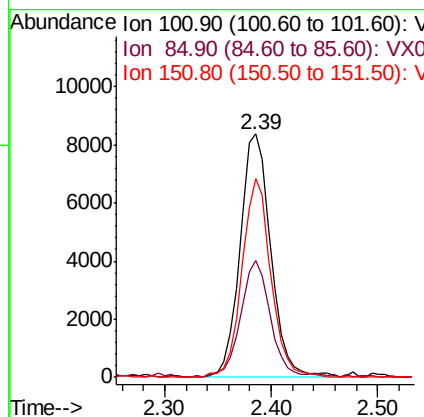
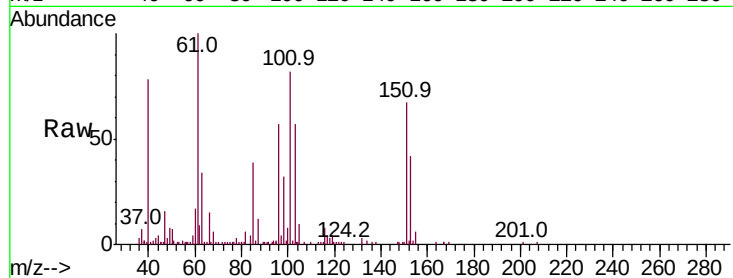
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	17052
Ion Ratio	Lower	Upper	
101	100		
85	47.0	33.8	50.6
151	76.5	69.1	103.7

Manual Integrations
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#10

Methyl Iodide

Concen: 3.426 ug/l

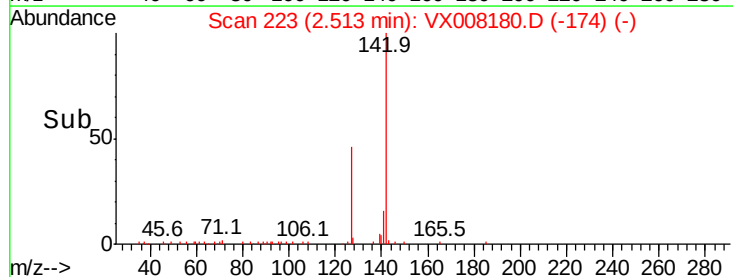
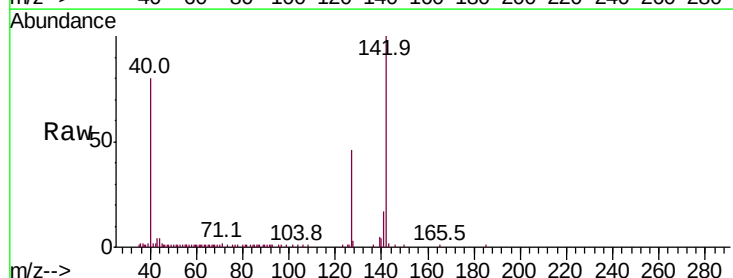
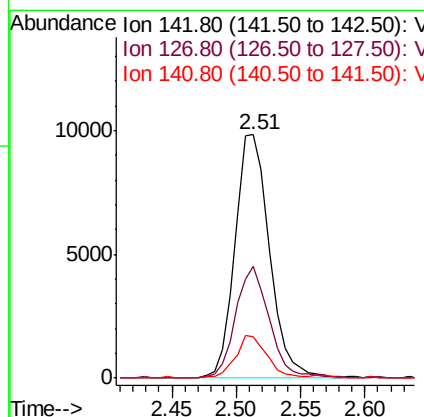
RT: 2.51 min Scan# 223

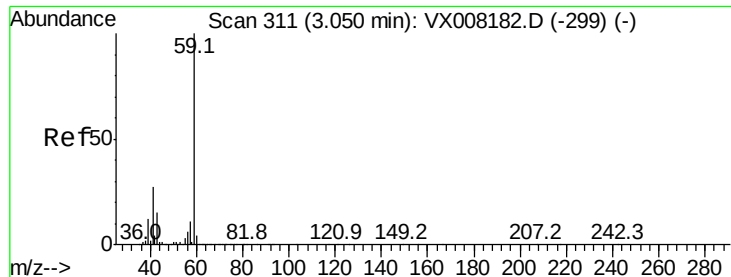
Delta R.T. 0.00 min

Lab File: VX008180.D

Acq: 19 Mar 2019 10:19

Tgt Ion:	142	Resp:	18318
Ion Ratio	Lower	Upper	
142	100		
127	44.9	32.1	48.1
141	16.4	11.4	17.2





#11

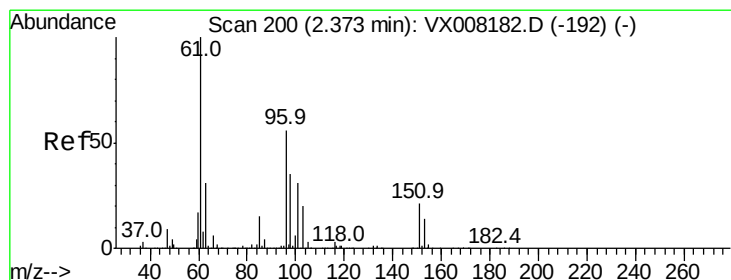
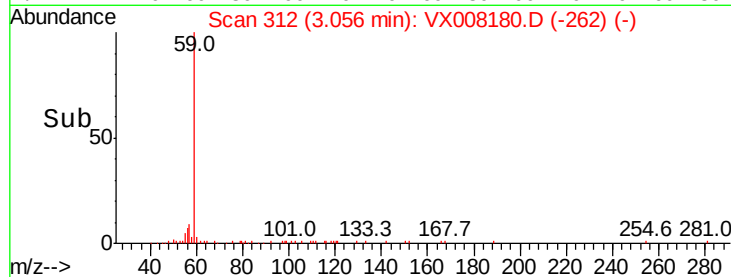
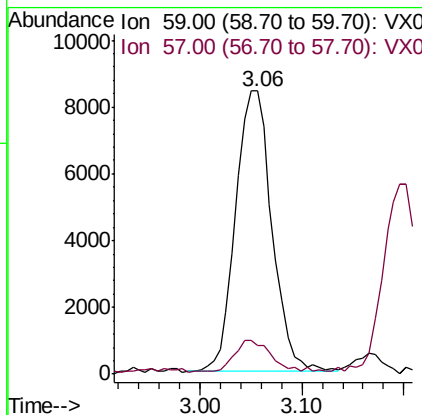
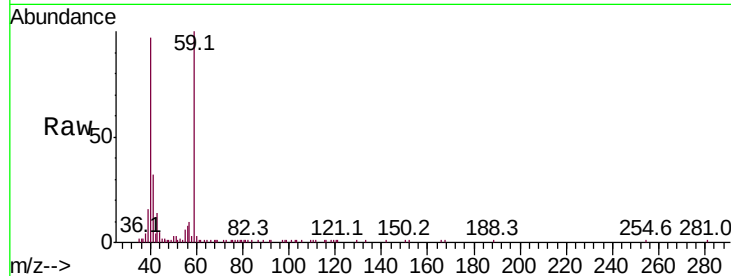
Tert butyl alcohol
 Concen: 20.449 ug/l
 RT: 3.06 min Scan# 312
 Delta R.T. 0.01 min
 Lab File: VX008180.D
 Acq: 19 Mar 2019 10:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	59.00 (58.70 to 59.70): VX0	Resp	20734
Ion	Ratio	Lower	Upper
59	100		
57	11.4	8.2	12.2

Manual Integrations
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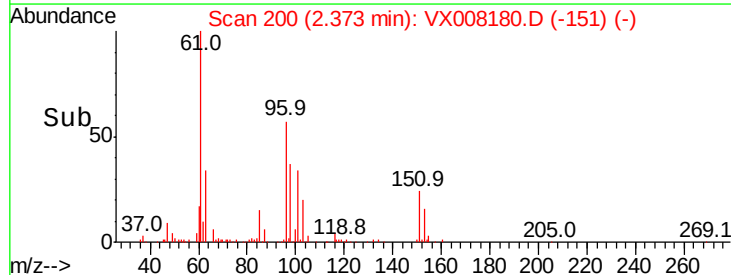
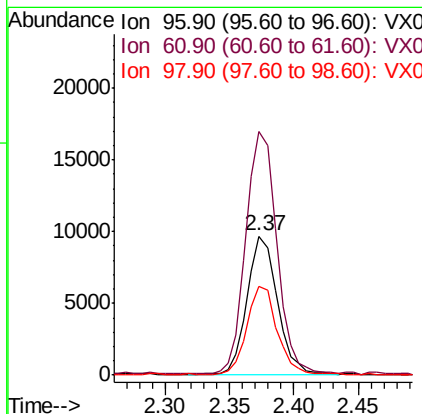
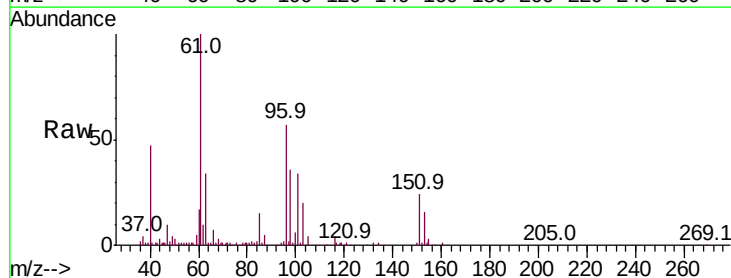
MMDadoda
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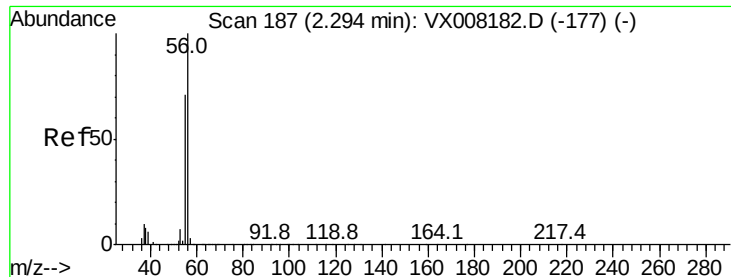


#12

1,1-Dichloroethene
 Concen: 4.167 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.00 min
 Lab File: VX008180.D
 Acq: 19 Mar 2019 10:19

Tgt Ion	96	Resp	15948
Ion	Ratio	Lower	Upper
96	100		
61	174.6	129.8	194.6
98	63.0	51.0	76.6





#13

Acrolein

Concen: 34.218 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX008180.D

Acq: 19 Mar 2019 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 23529

Ion Ratio Lower Upper

56 100

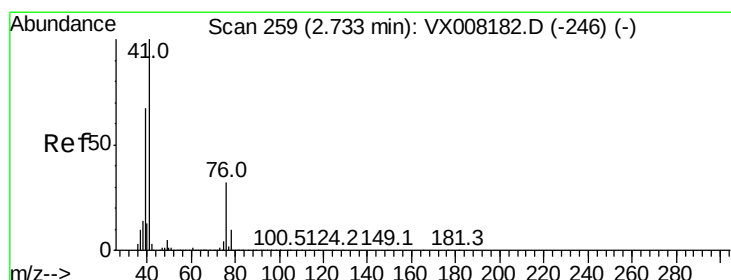
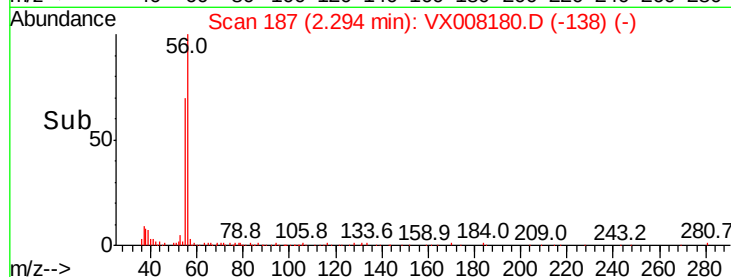
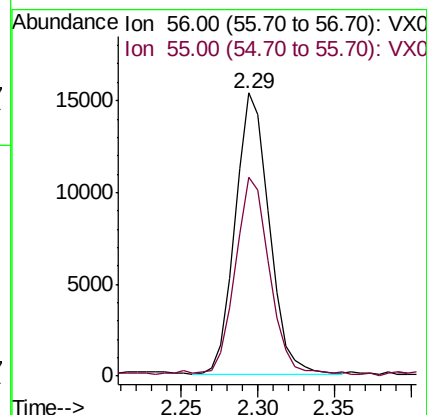
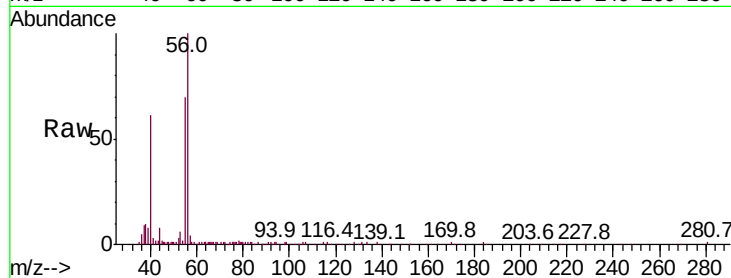
55 74.8 57.8 86.6

Manual Integrations

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#14

Allyl chloride

Concen: 4.035 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.01 min

Lab File: VX008180.D

Acq: 19 Mar 2019 10:19

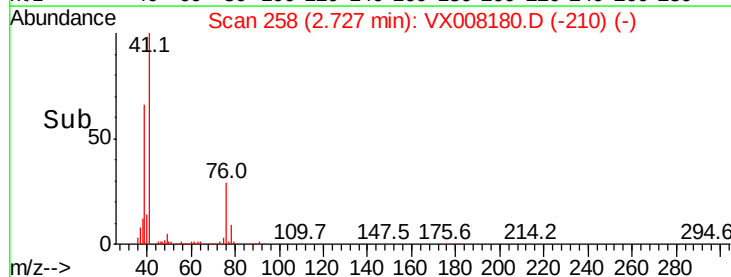
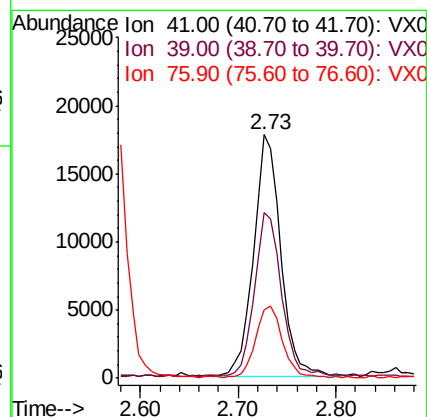
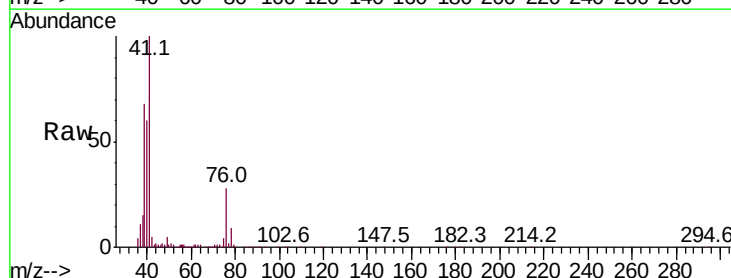
Tgt Ion: 41 Resp: 34398

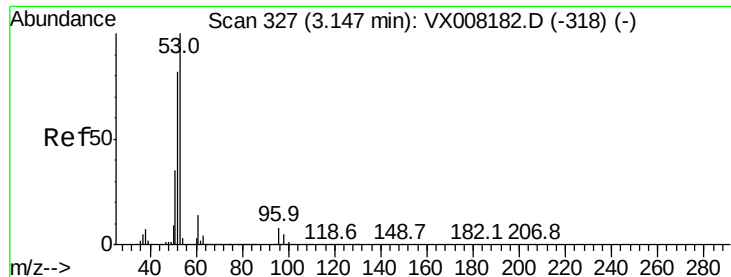
Ion Ratio Lower Upper

41 100

39 67.7 46.1 69.1

76 30.0 24.0 36.0





#15

Acrylonitrile

Concen: 21.241 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX008180.D

Acq: 19 Mar 2019 10:19

Instrument :

MSVOA_X

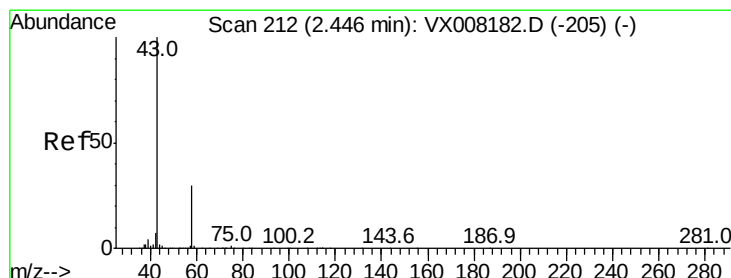
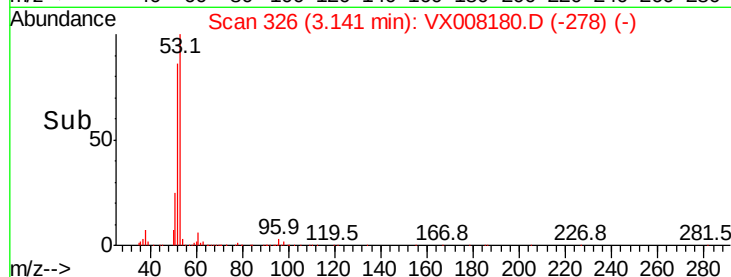
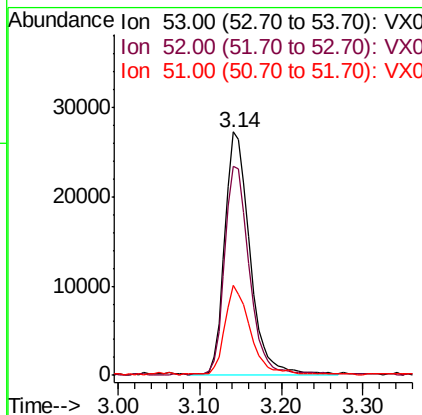
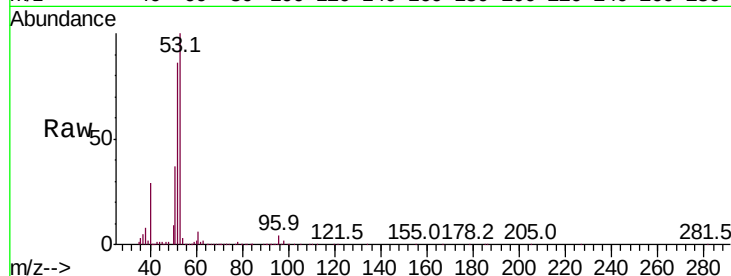
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	57477
Ion Ratio	Lower	Upper	
53	100		
52	84.1	66.0	99.0
51	36.9	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 23.633 ug/l

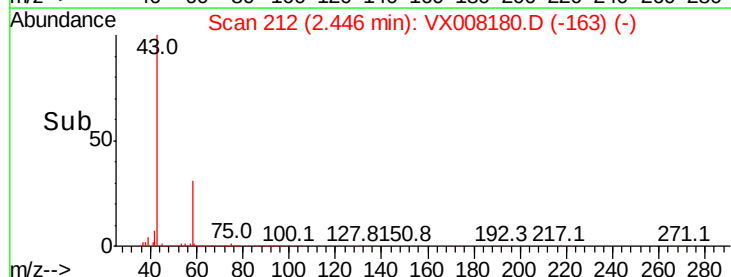
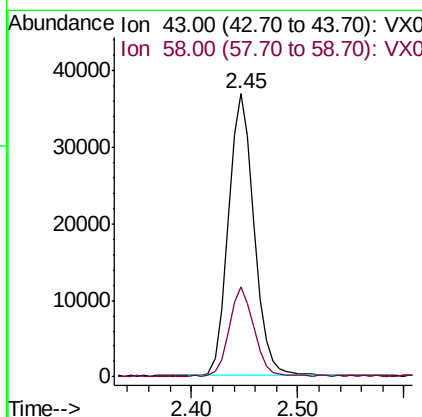
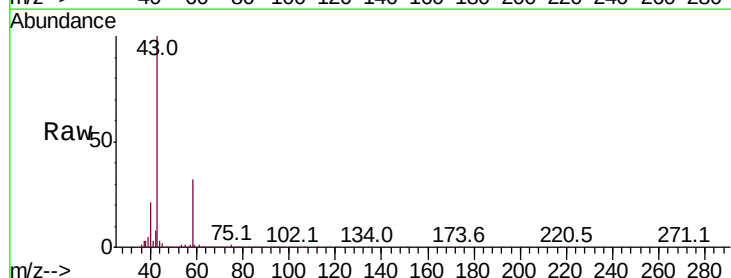
RT: 2.45 min Scan# 212

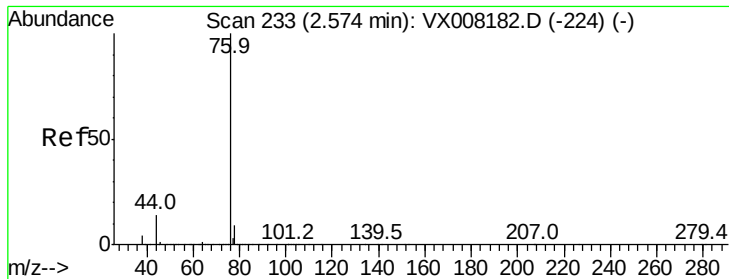
Delta R.T. 0.00 min

Lab File: VX008180.D

Acq: 19 Mar 2019 10:19

Tgt Ion:	43	Resp:	62391
Ion Ratio	Lower	Upper	
43	100		
58	31.5	25.5	38.3





#17

Carbon Disulfide

Concen: 3.604 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.01 min

Lab File: VX008180.D

Acq: 19 Mar 2019 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 43032

Ion Ratio Lower Upper

76 100

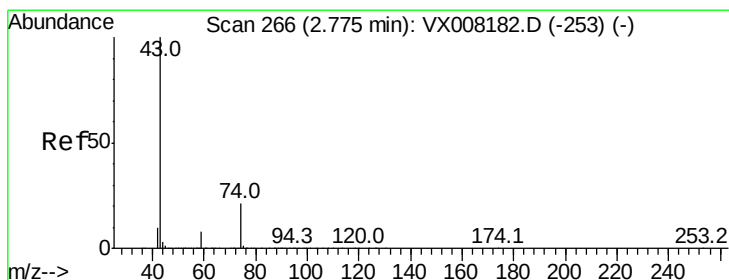
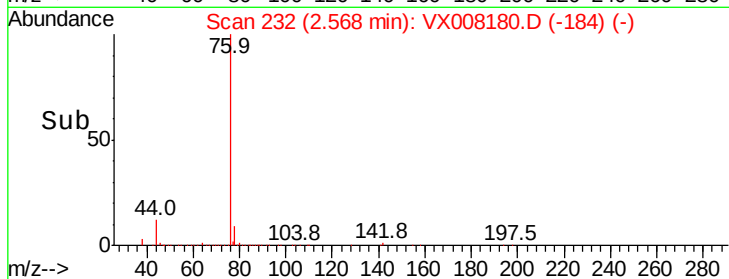
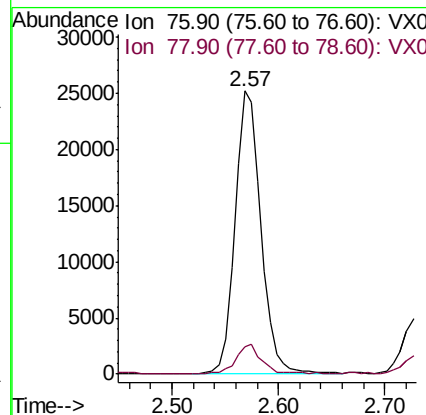
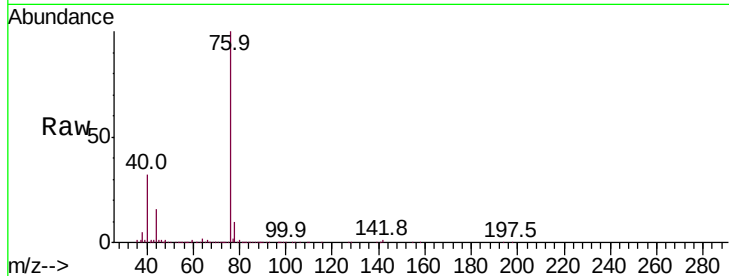
78 9.2 7.2 10.8

Manual Integrations

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#18

Methyl Acetate

Concen: 3.832 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX008180.D

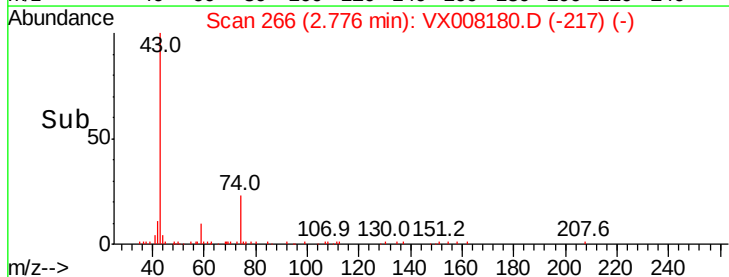
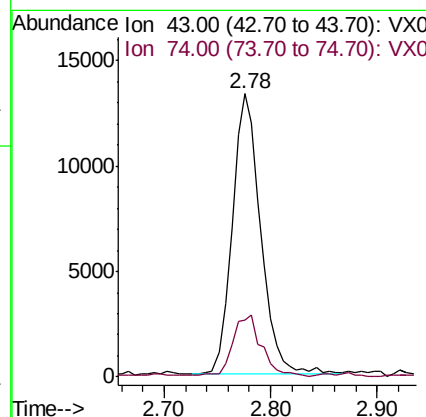
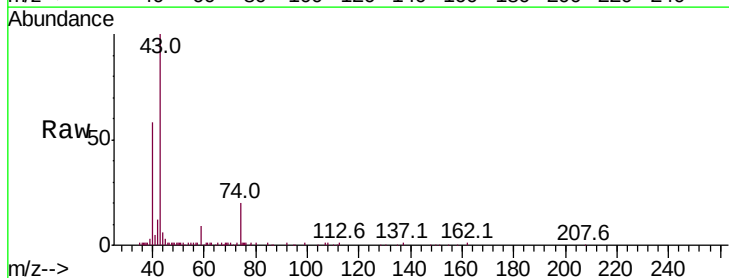
Acq: 19 Mar 2019 10:19

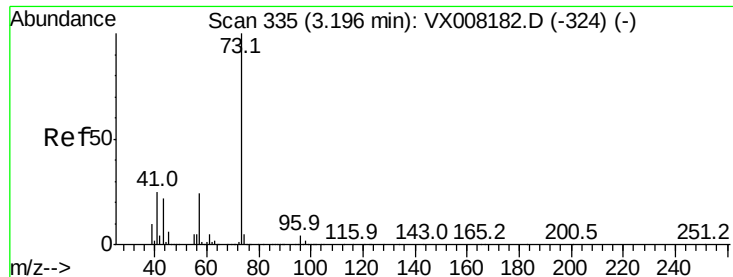
Tgt Ion: 43 Resp: 24713

Ion Ratio Lower Upper

43 100

74 22.8 17.8 26.6





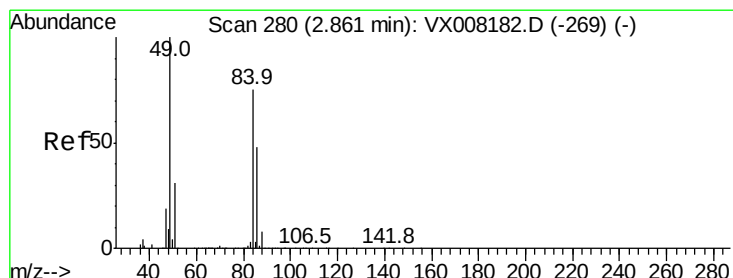
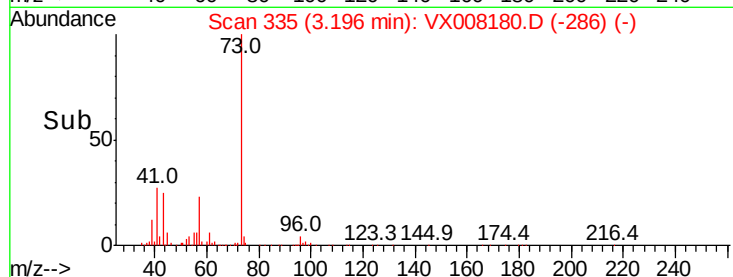
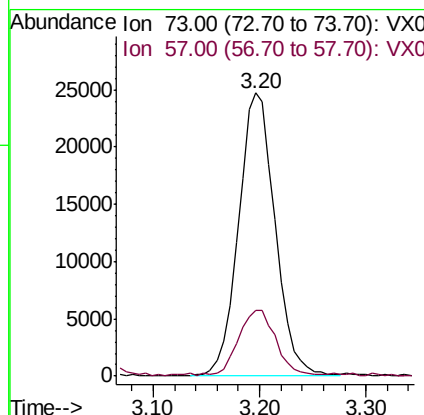
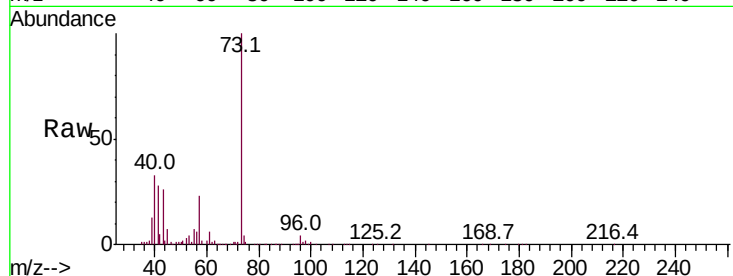
#19
Methyl tert-butyl Ether
Concen: 4.243 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX008180.D
Acq: 19 Mar 2019 10:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.3	18.2	27.4

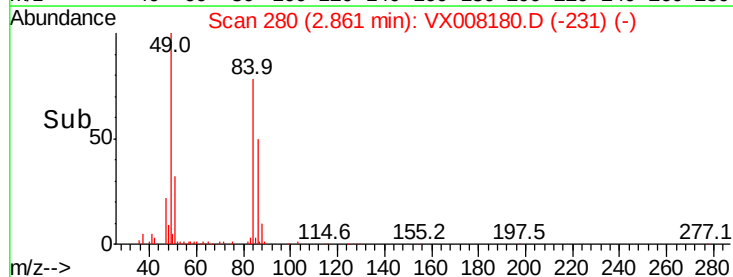
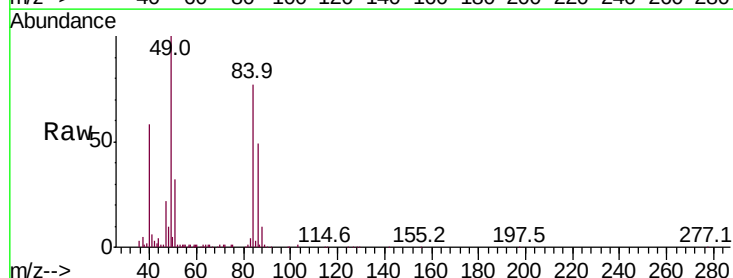
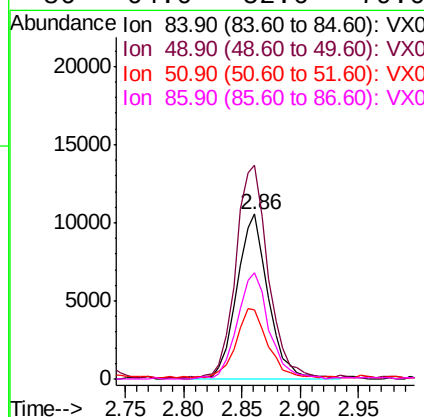
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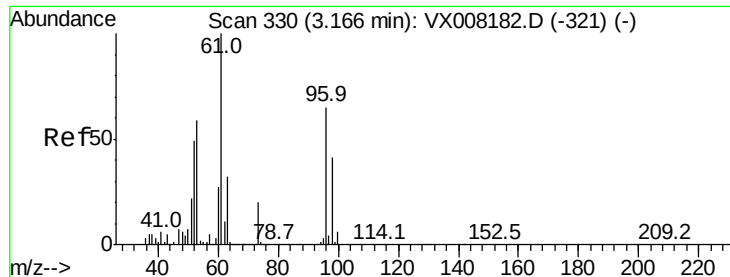
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#20
Methylene Chloride
Concen: 4.576 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX008180.D
Acq: 19 Mar 2019 10:19

Tgt Ion	Ratio	Lower	Upper
84	100		
49	127.6	99.3	148.9
51	40.7	31.3	46.9
86	64.0	52.6	79.0





#21

trans-1,2-Dichloroethene

Concen: 4.073 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX008180.D

Acq: 19 Mar 2019 10:19

Instrument :

MSVOA_X

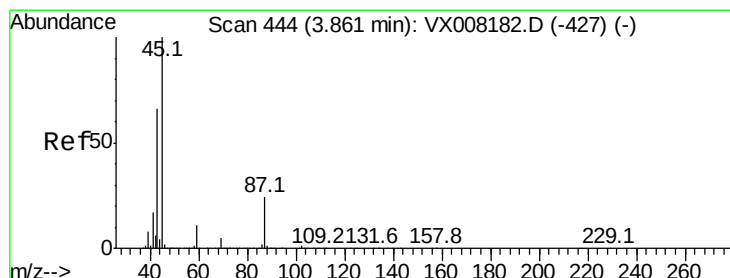
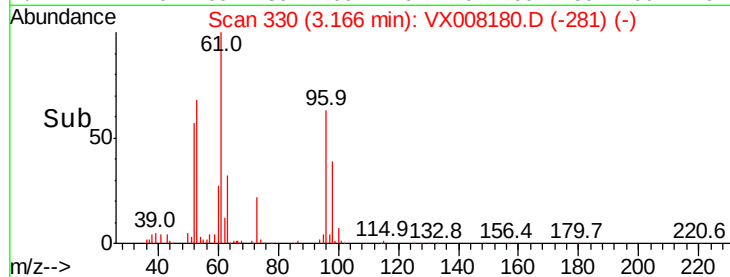
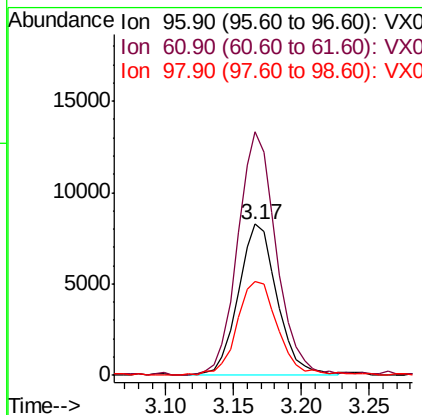
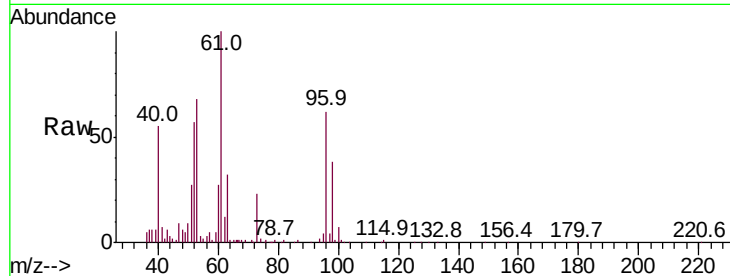
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	16524
Ion	Ratio	Lower	Upper
96	100		
61	160.9	114.4	171.6
98	60.9	51.1	76.7

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#22

Diisopropyl ether

Concen: 4.222 ug/l

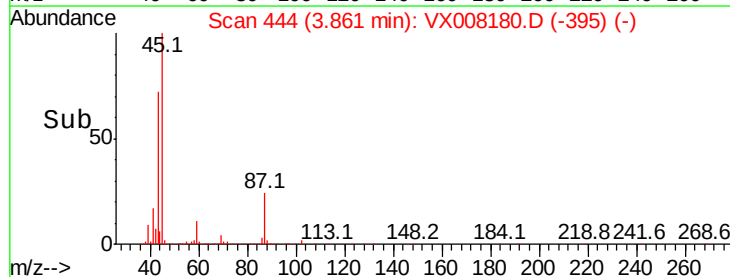
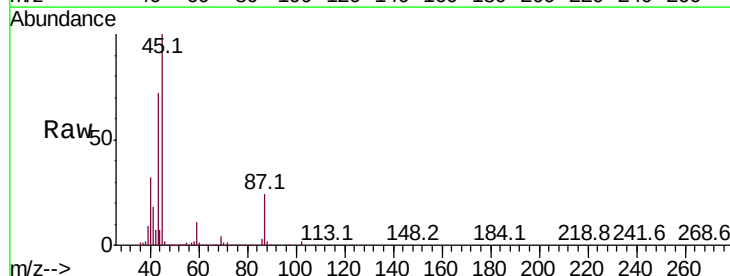
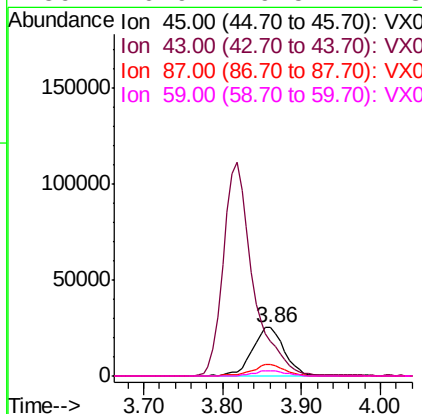
RT: 3.86 min Scan# 444

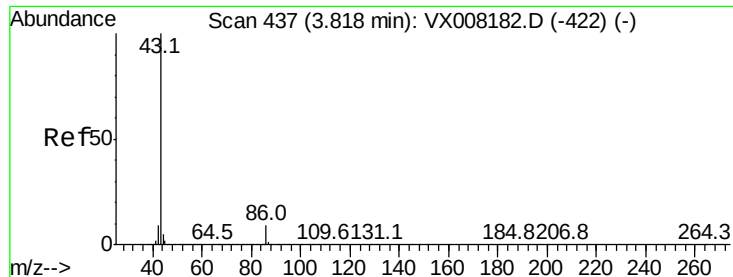
Delta R.T. 0.00 min

Lab File: VX008180.D

Acq: 19 Mar 2019 10:19

Tgt Ion:	45	Resp:	70666
Ion	Ratio	Lower	Upper
45	100		
43	72.0	45.3	67.9#
87	23.9	21.4	32.0
59	10.9	9.5	14.3





#23

Vinyl Acetate

Concen: 19.765 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.00 min

Lab File: VX008180.D

Acq: 19 Mar 2019 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 291706

Ion Ratio Lower Upper

43 100

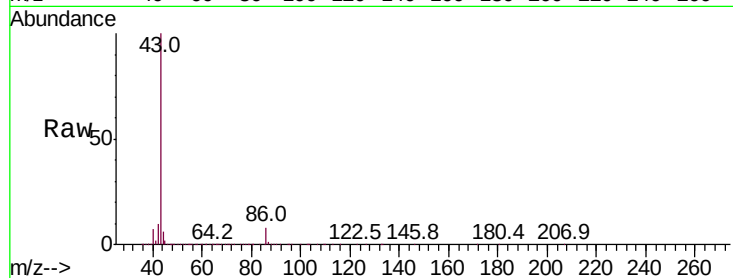
86 8.1 7.9 11.9

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

120000

100000

80000

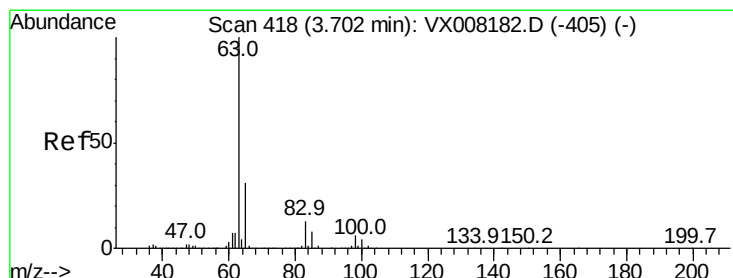
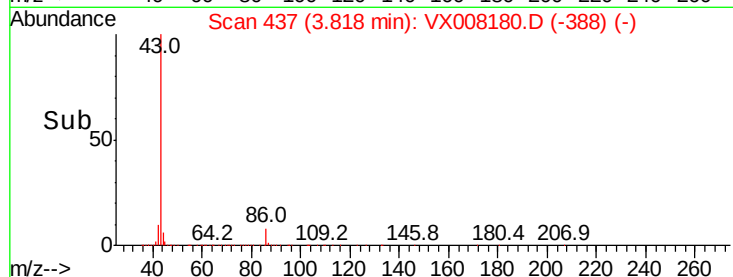
60000

40000

20000

0

Time-->



#24

1,1-Dichloroethane

Concen: 4.273 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.01 min

Lab File: VX008180.D

Acq: 19 Mar 2019 10:19

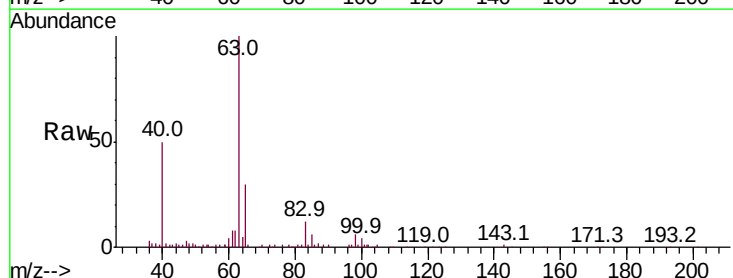
Tgt Ion: 63 Resp: 36001

Ion Ratio Lower Upper

63 100

98 6.4 3.3 9.8

100 3.9 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

20000

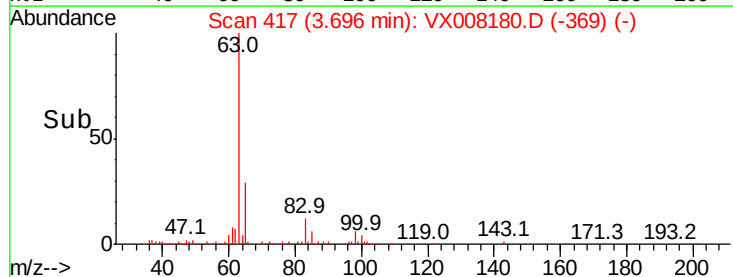
15000

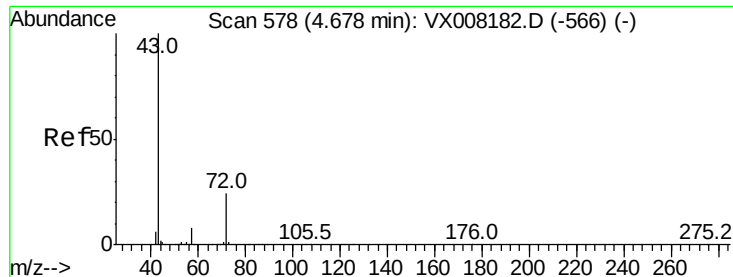
10000

5000

0

Time-->





#25

2-Butanone

Concen: 21.563 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.00 min

Lab File: VX008180.D

Acq: 19 Mar 2019 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 87396

Ion Ratio Lower Upper

43 100

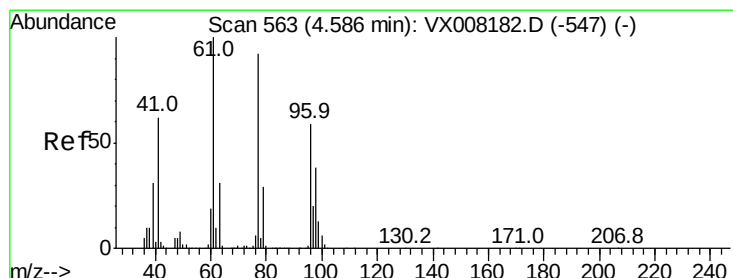
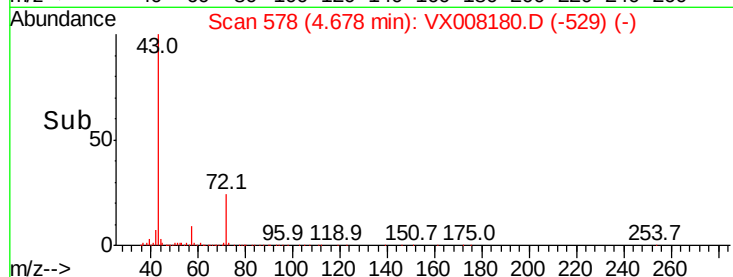
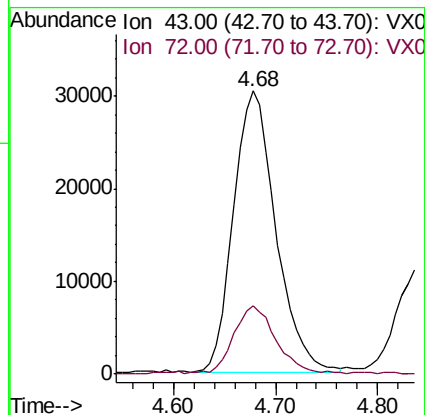
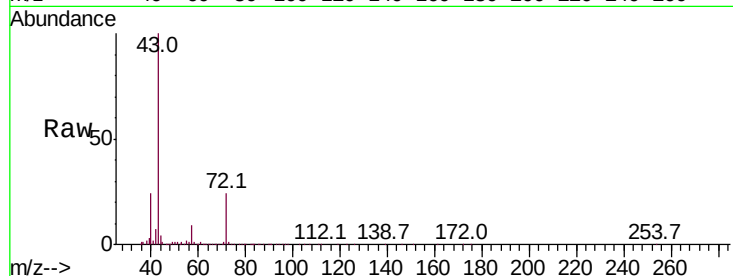
72 24.0 19.9 29.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 4.134 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX008180.D

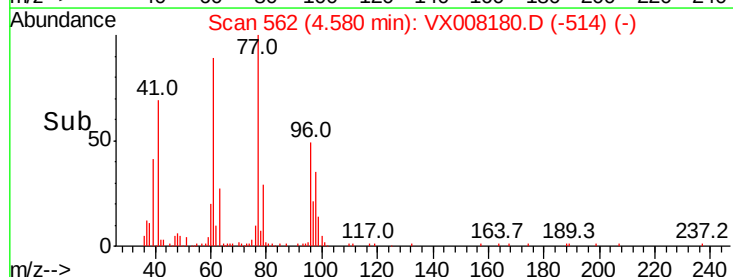
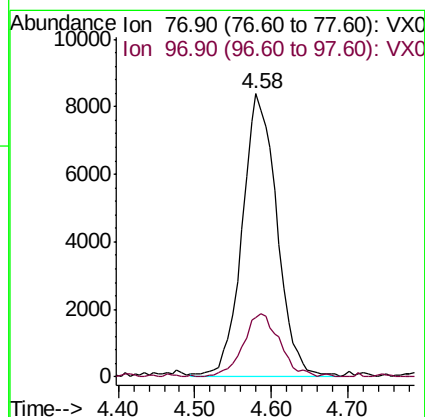
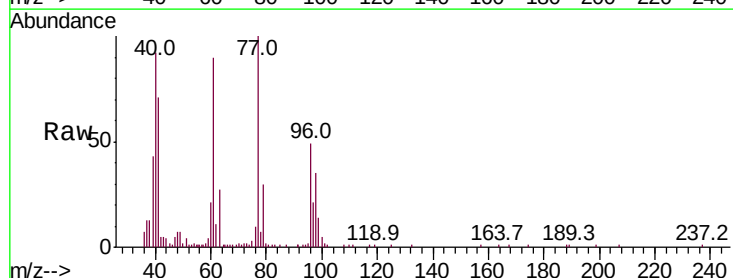
Acq: 19 Mar 2019 10:19

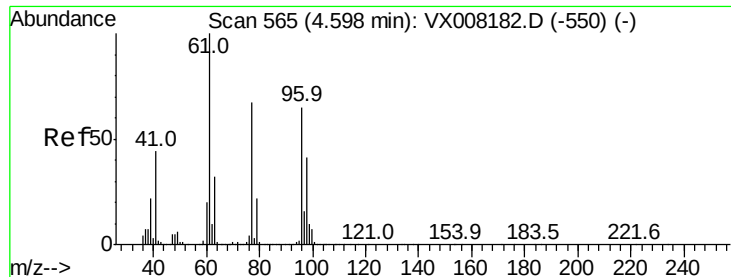
Tgt Ion: 77 Resp: 26510

Ion Ratio Lower Upper

77 100

97 23.4 12.2 36.6





#27

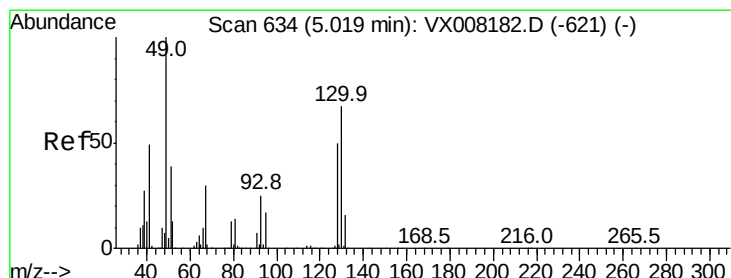
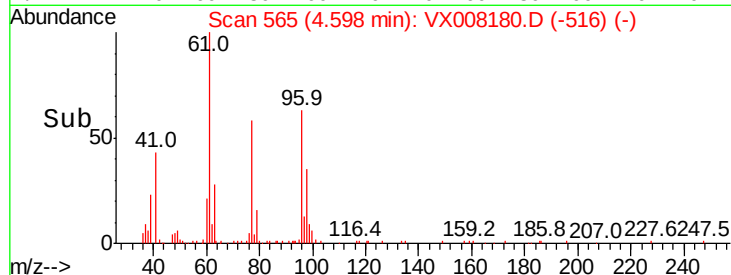
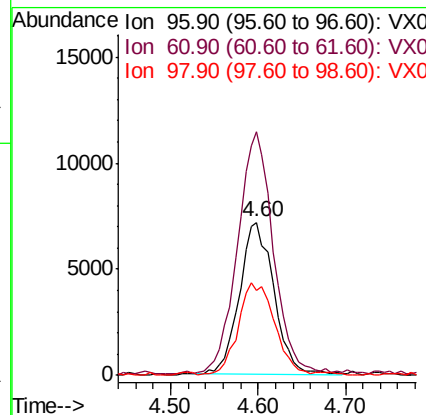
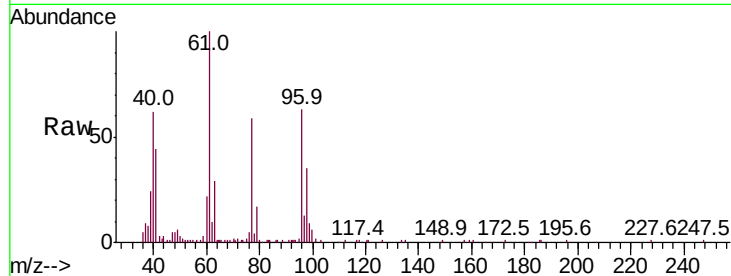
cis-1,2-Dichloroethene
Concen: 4.245 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX008180.D
Acq: 19 Mar 2019 10:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	162.4	0.0	288.0
98	64.6	0.0	129.0

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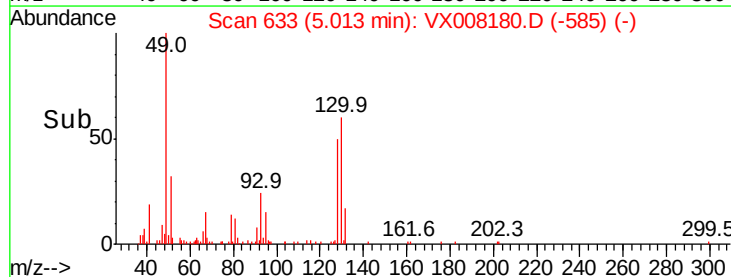
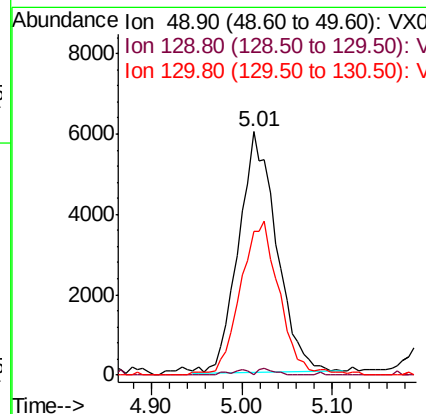
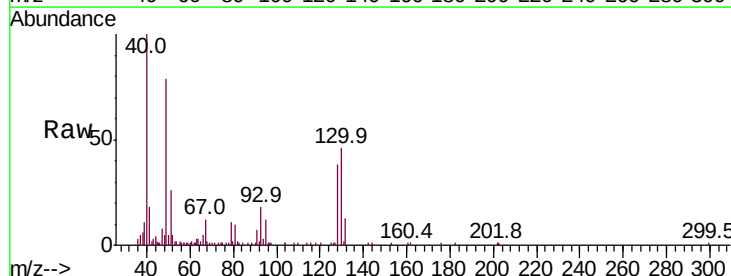
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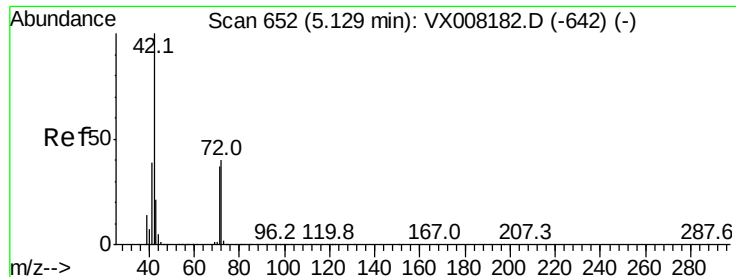


#28

Bromochloromethane
Concen: 4.938 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX008180.D
Acq: 19 Mar 2019 10:19

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	4.0
130	65.7	65.0	97.4





#29

Tetrahydrofuran

Concen: 20.311 ug/l

RT: 5.13 min Scan# 653

Delta R.T. 0.01 min

Lab File: VX008180.D

Acq: 19 Mar 2019 10:19

Instrument :

MSVOA_X

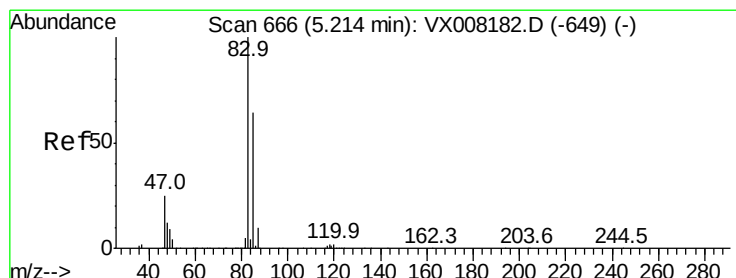
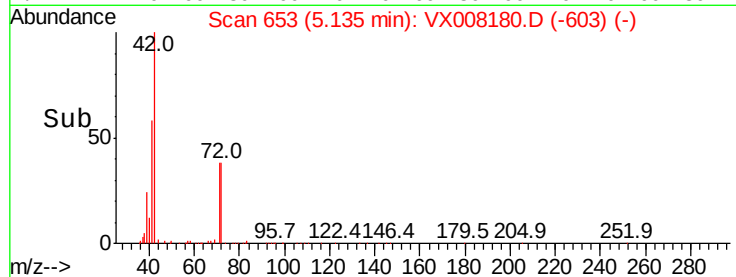
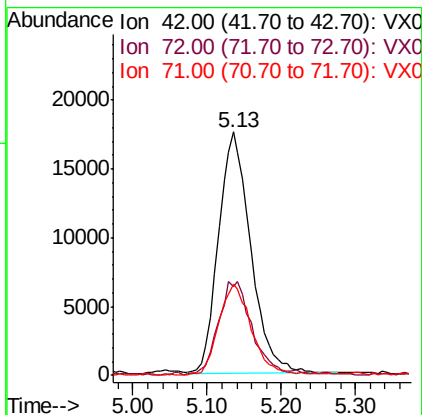
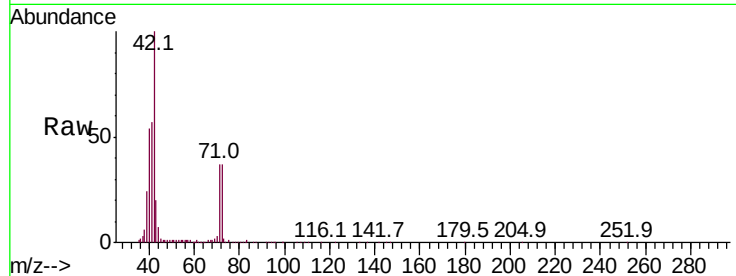
ClientSampleId :

VSTDIC005

Tot Ion:	42	Resp:	53040
Ion Ratio	Lower	Upper	
42	100		
72	40.0	33.8	50.6
71	37.9	31.5	47.3

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#30

Chloroform

Concen: 4.496 ug/l

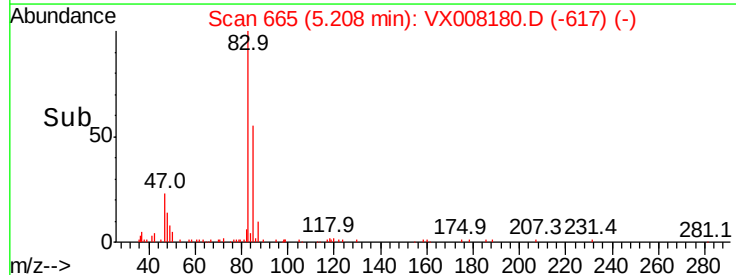
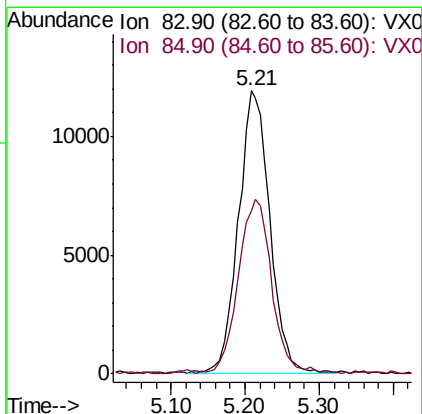
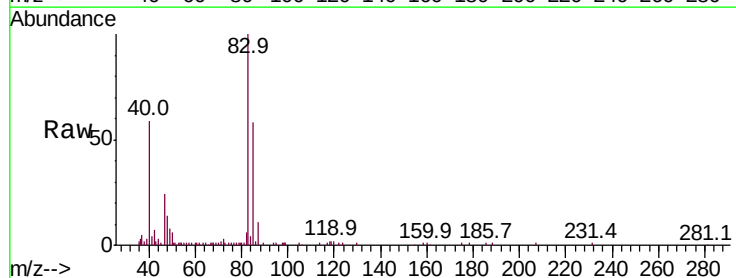
RT: 5.21 min Scan# 665

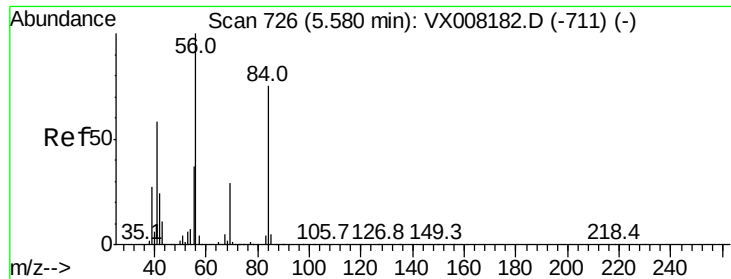
Delta R.T. -0.01 min

Lab File: VX008180.D

Acq: 19 Mar 2019 10:19

Tgt Ion:	83	Resp:	35573
Ion Ratio	Lower	Upper	
83	100		
85	57.0	51.8	77.6





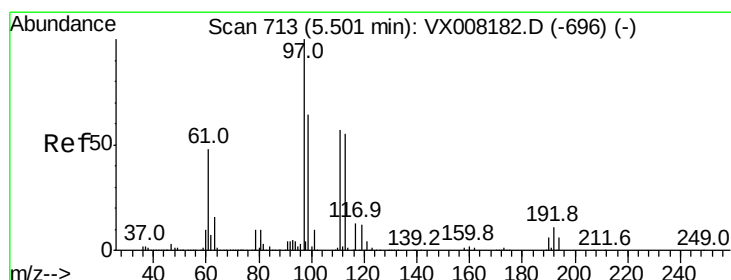
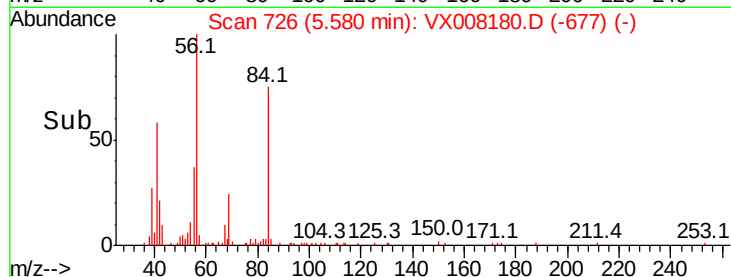
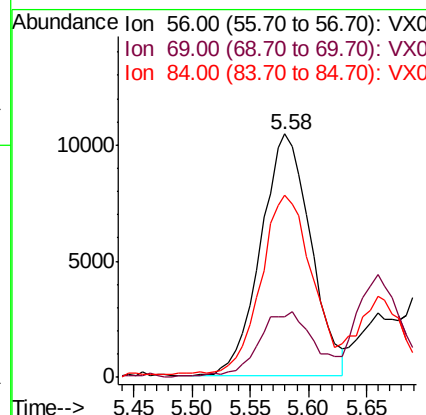
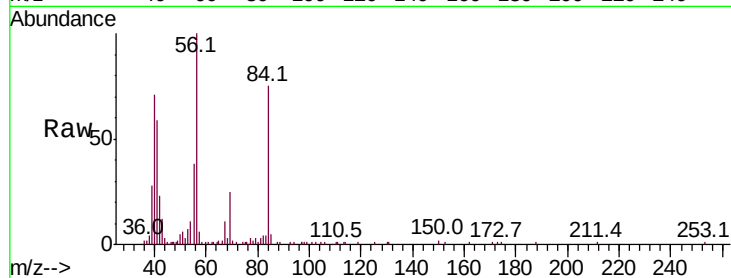
#31
Cyclohexane
Concen: 3.754 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.00 min
Lab File: VX008180.D
Acq: 19 Mar 2019 10:19

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	24.4	24.0	36.0
84	74.0	65.3	97.9

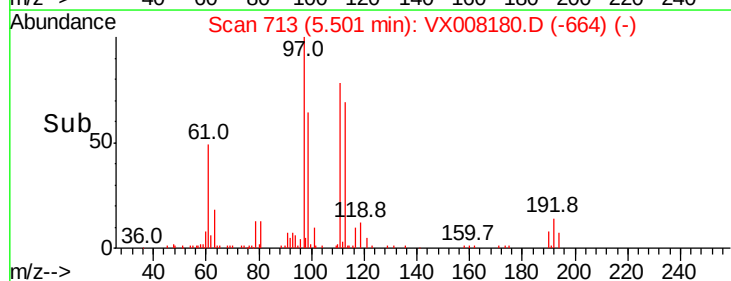
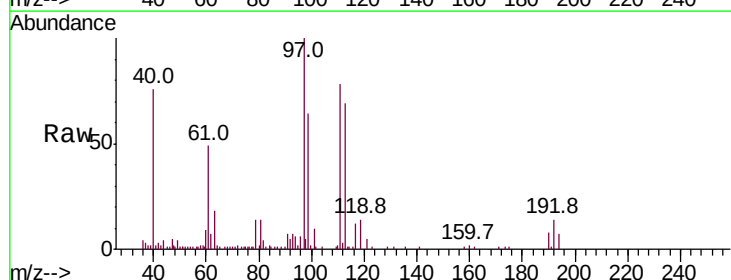
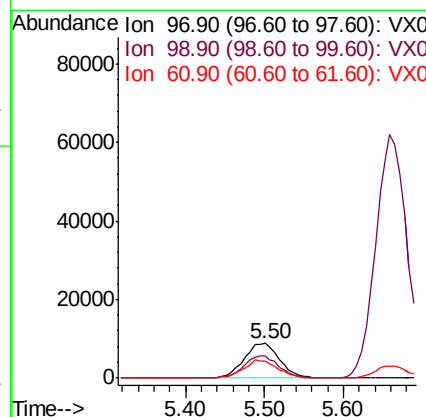
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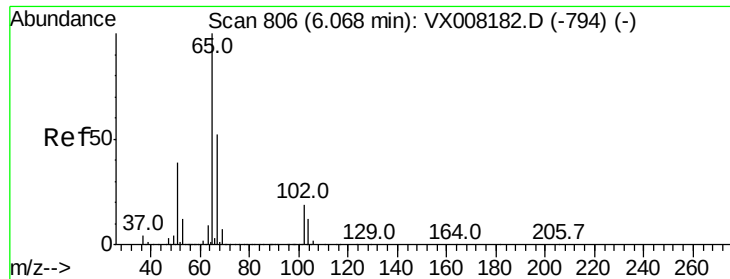
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#32
1,1,1-Trichloroethane
Concen: 4.222 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX008180.D
Acq: 19 Mar 2019 10:19

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	52.2	78.2
61	48.0	34.9	52.3





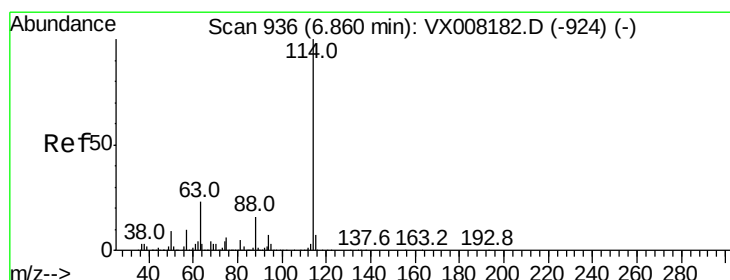
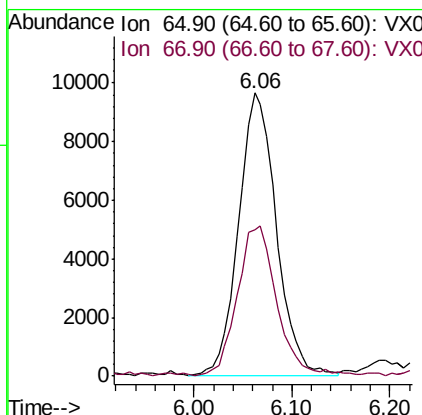
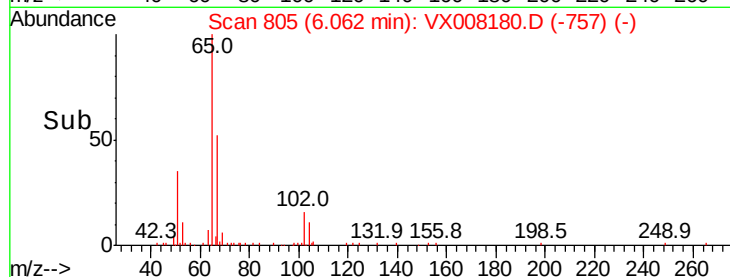
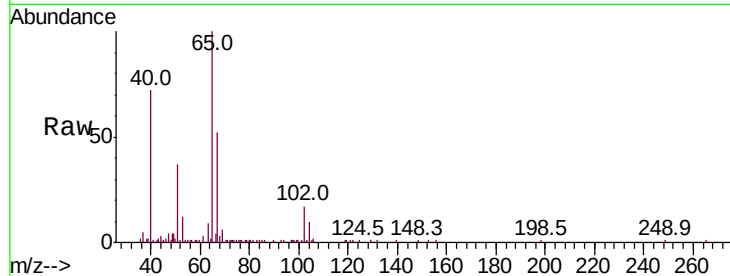
#33
 1,2-Dichloroethane-d4
 Concen: 5.774 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX008180.D
 Acq: 19 Mar 2019 10:19

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC005

Tot Ion: 65 Resp: 26007
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 110.0

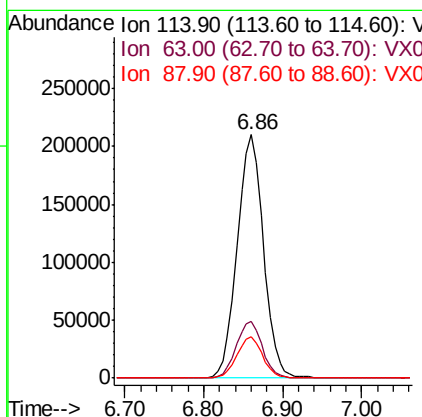
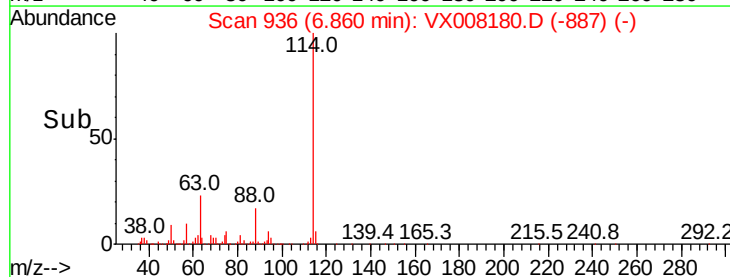
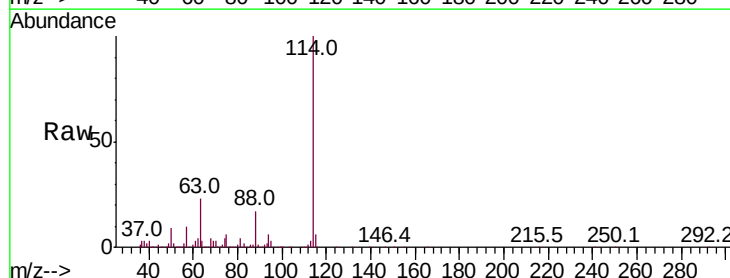
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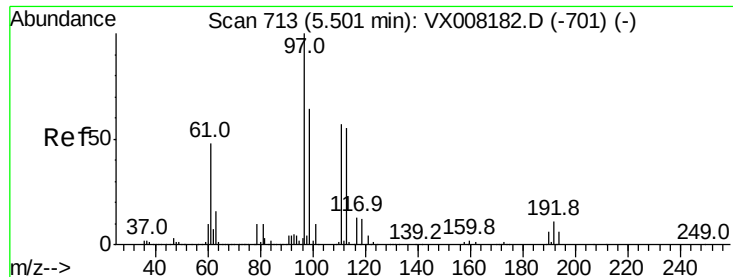
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008180.D
 Acq: 19 Mar 2019 10:19

Tgt Ion: 114 Resp: 487011
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 39.8
 88 17.0 0.0 31.4





#35

Dibromofluoromethane

Concen: 5.442 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX008180.D

Acq: 19 Mar 2019 10:19

Instrument :

MSVOA_X

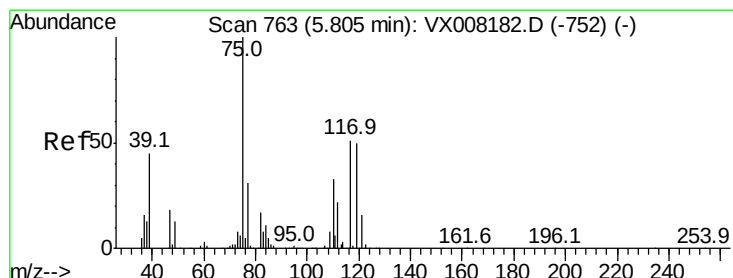
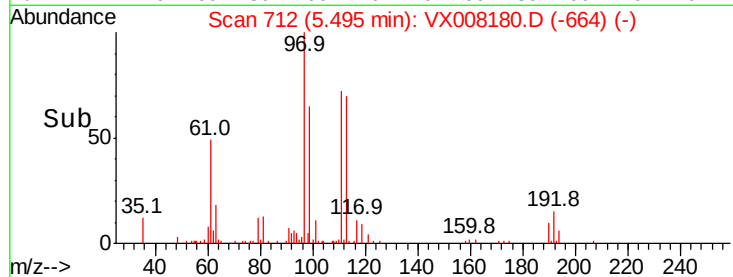
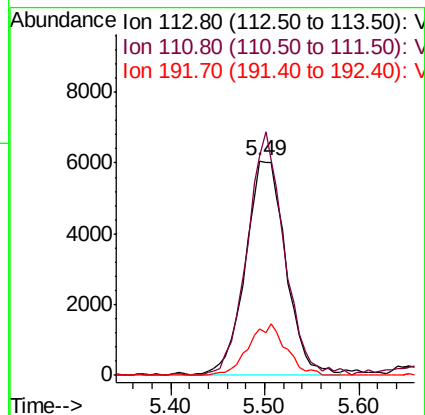
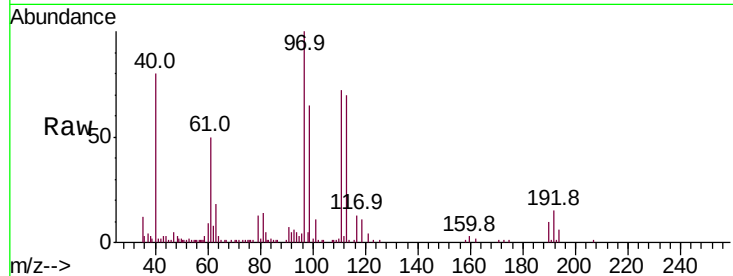
ClientSampleId :

VSTDIC005

Tot Ion:	113	Resp:	18269
Ion Ratio	Lower	Upper	
113	100		
111	104.2	81.4	122.0
192	22.3	19.4	29.0

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#36

1,1-Dichloropropene

Concen: 4.118 ug/l

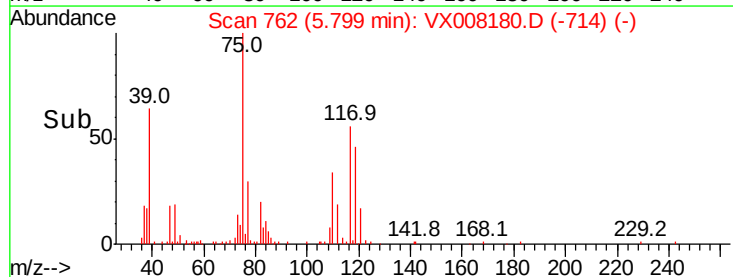
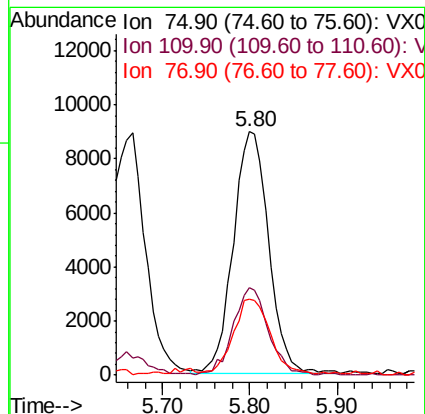
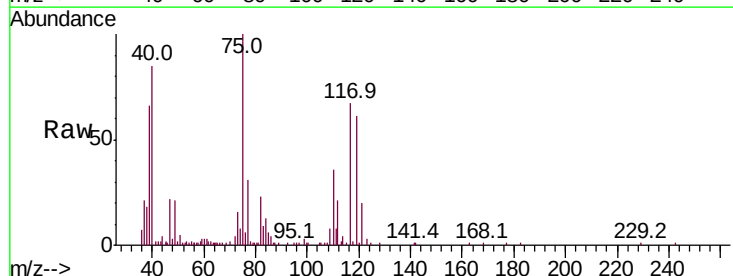
RT: 5.80 min Scan# 762

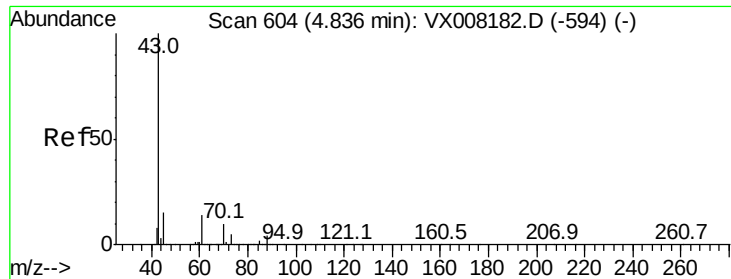
Delta R.T. -0.01 min

Lab File: VX008180.D

Acq: 19 Mar 2019 10:19

Tgt Ion:	75	Resp:	25074
Ion Ratio	Lower	Upper	
75	100		
110	36.1	18.4	55.0
77	31.6	25.0	37.4





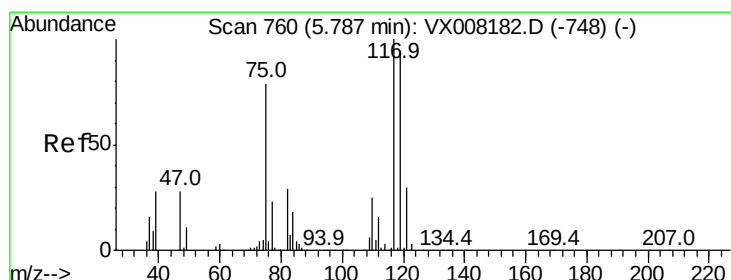
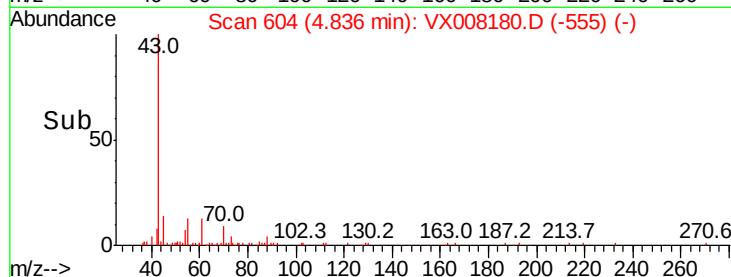
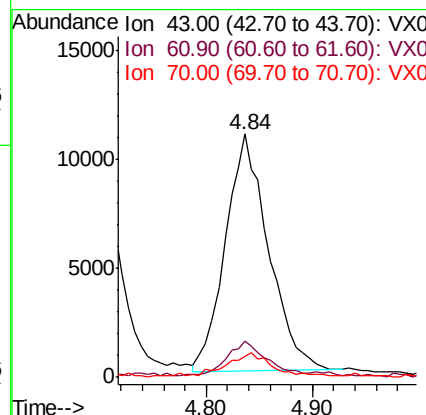
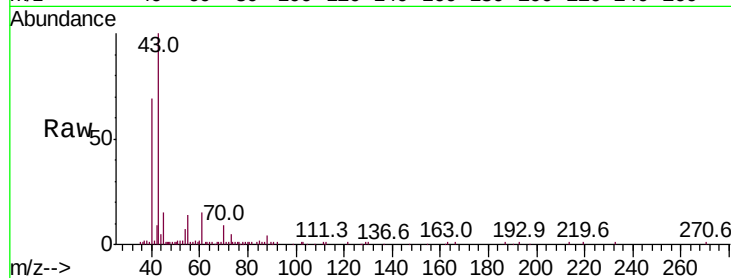
#37
Ethyl Acetate
Concen: 4.054 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.00 min
Lab File: VX008180.D
Acq: 19 Mar 2019 10:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	43	Resp	30742
Ion Ratio	100	Lower	Upper
43	100		
61	13.3	11.3	16.9
70	11.0	8.5	12.7

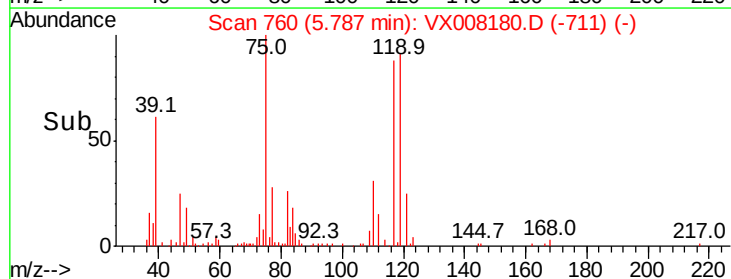
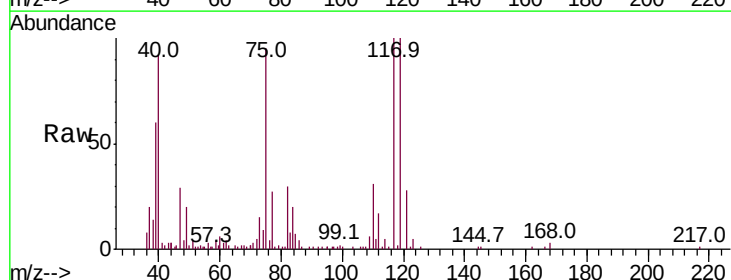
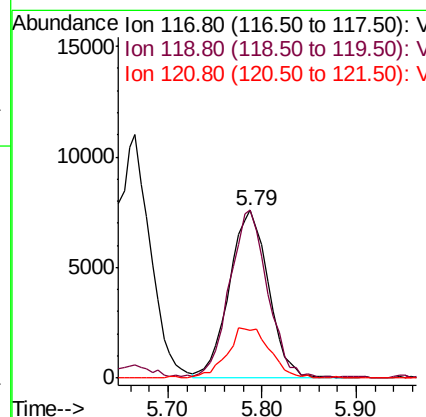
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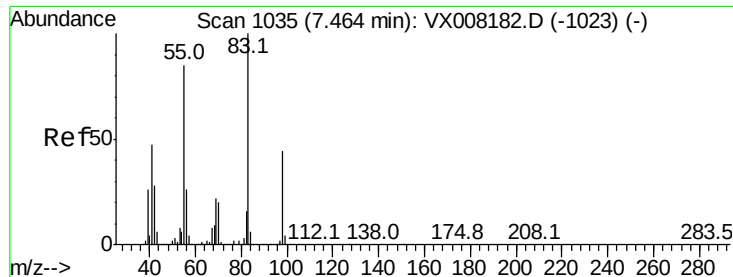
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#38
Carbon Tetrachloride
Concen: 3.960 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX008180.D
Acq: 19 Mar 2019 10:19

Tgt Ion	117	Resp	22036
Ion Ratio	100	Lower	Upper
117	100		
119	99.1	76.2	114.2
121	28.5	24.6	36.8





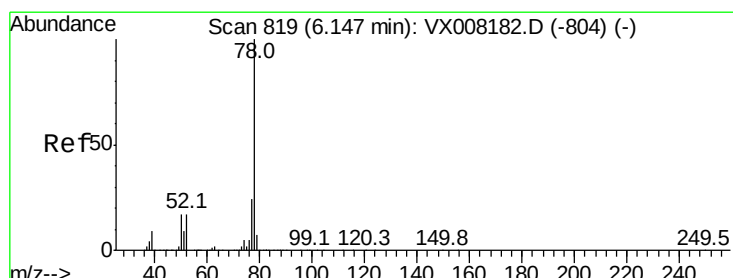
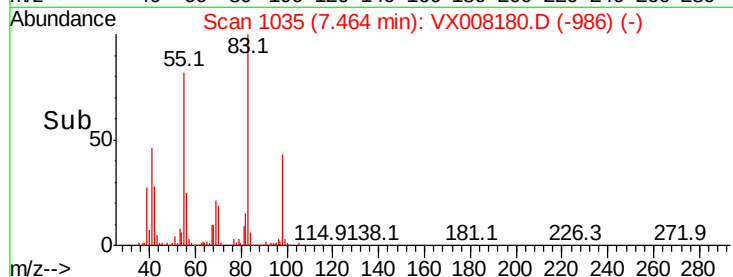
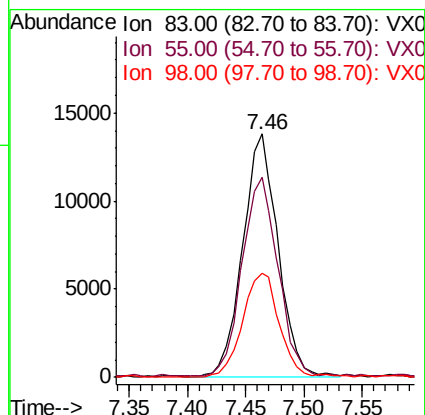
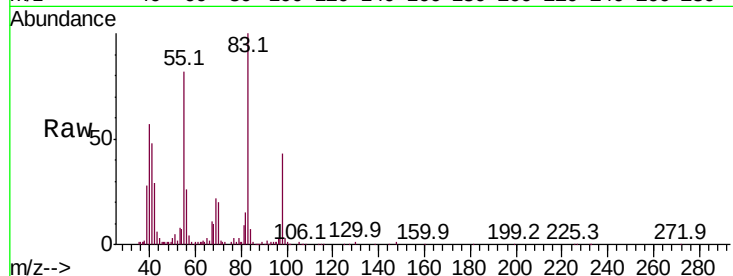
#39
Methylvlcyclohexane
Concen: 3.899 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX008180.D
Acq: 19 Mar 2019 10:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.5	60.4	90.6
98	42.5	36.5	54.7

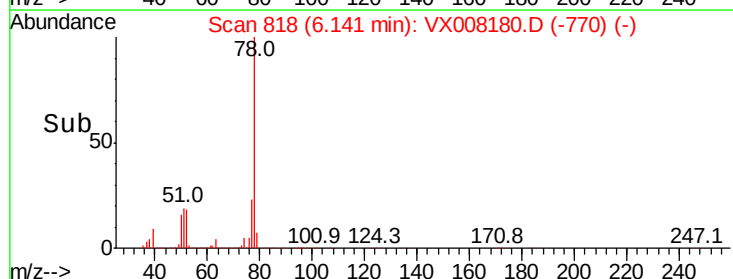
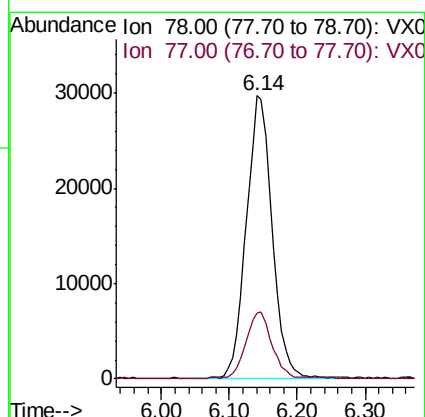
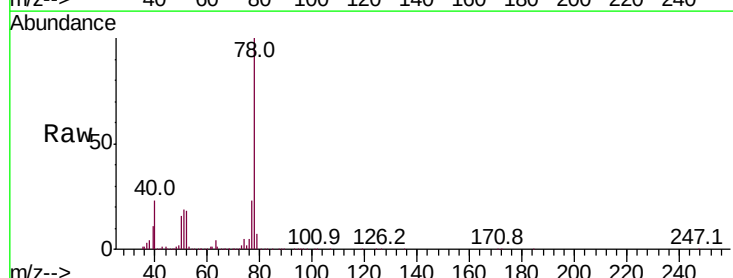
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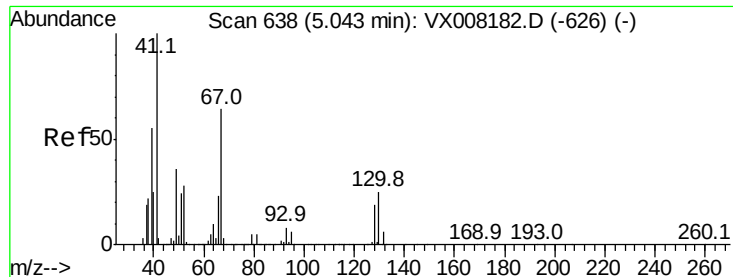
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#40
Benzene
Concen: 4.331 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX008180.D
Acq: 19 Mar 2019 10:19

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.0	28.4





#41

Methacrylonitrile

Concen: 4.007 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX008180.D

Acq: 19 Mar 2019 10:19

Instrument :

MSVOA_X

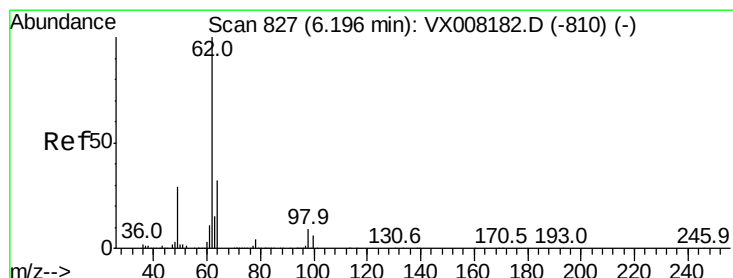
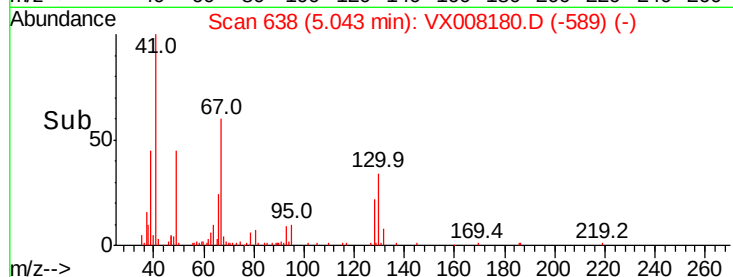
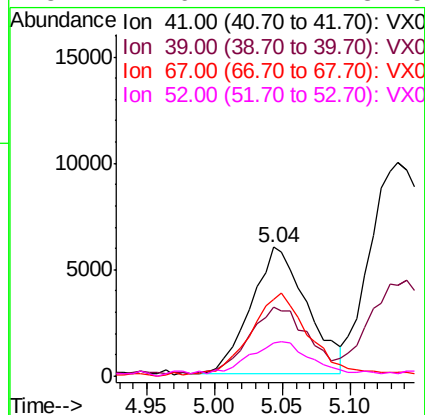
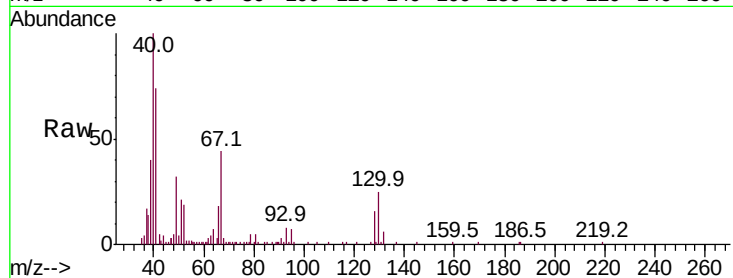
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
39	54.5	41.6	62.4
67	71.0	55.8	83.6
52	27.6	21.7	32.5

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#42

1,2-Dichloroethane

Concen: 4.419 ug/l

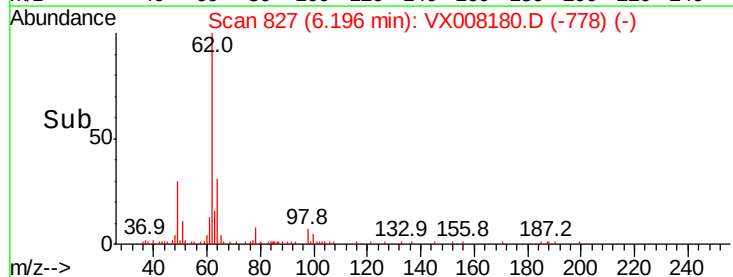
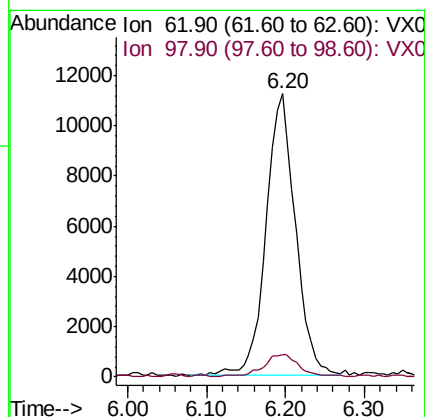
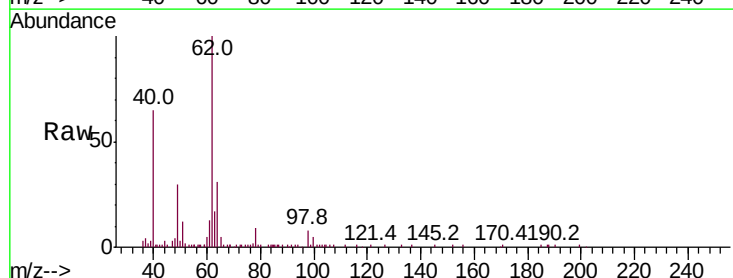
RT: 6.20 min Scan# 827

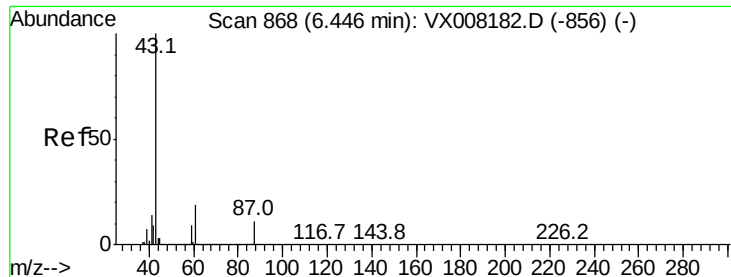
Delta R.T. 0.00 min

Lab File: VX008180.D

Acq: 19 Mar 2019 10:19

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	20.4





#43

Isopropyl Acetate

Concen: 4.026 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX008180.D

Acq: 19 Mar 2019 10:19

Instrument :

MSVOA_X

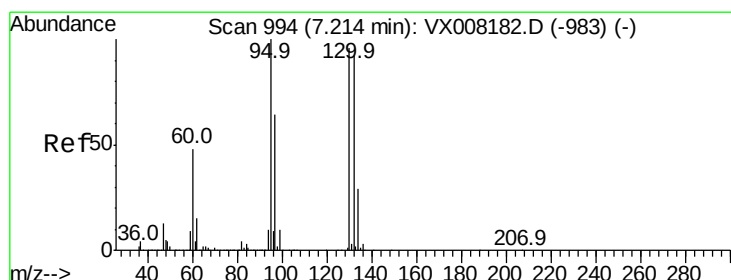
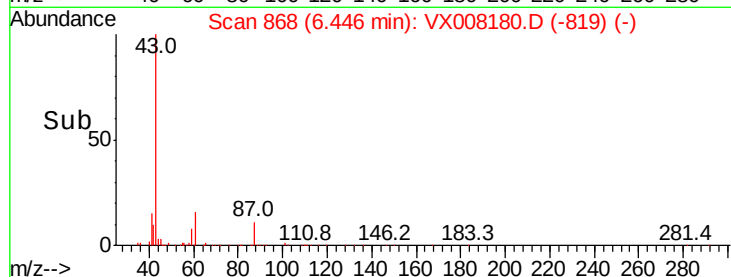
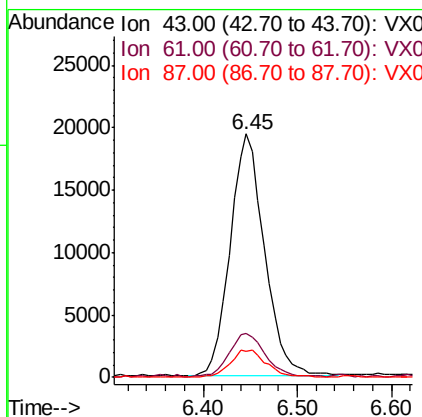
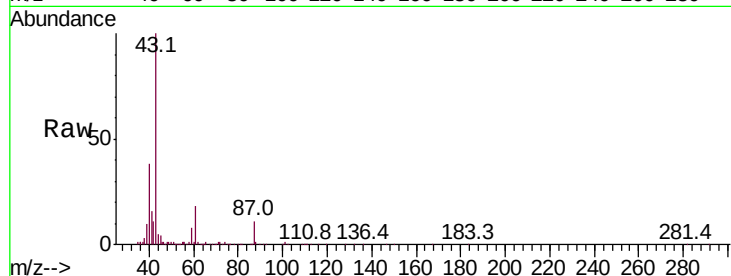
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	48903
Ion	Ratio	Lower	Upper
43	100		
61	18.7	16.3	24.5
87	12.2	10.5	15.7

Manual Integrations
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#44

Trichloroethene

Concen: 4.343 ug/l

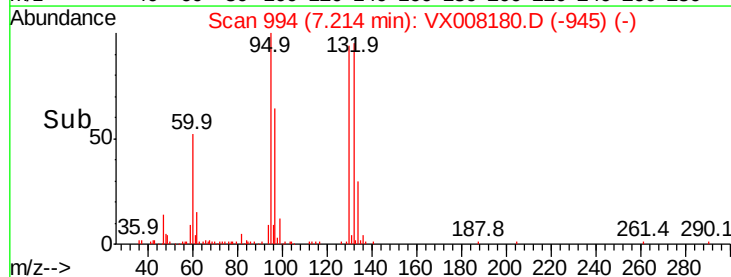
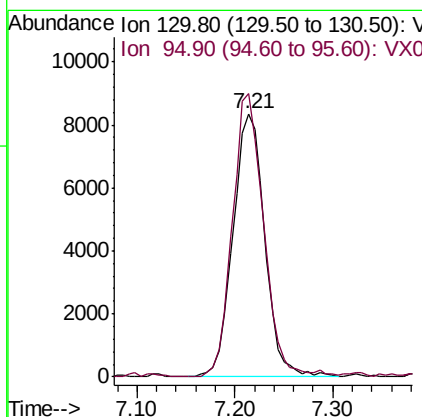
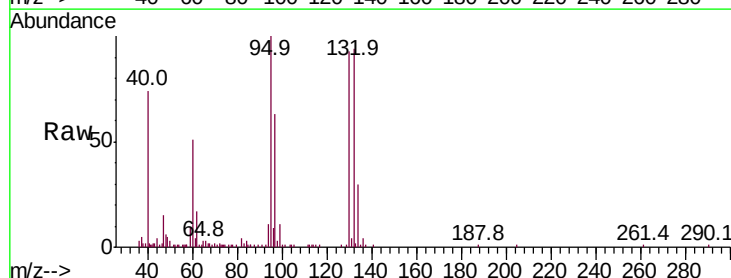
RT: 7.21 min Scan# 994

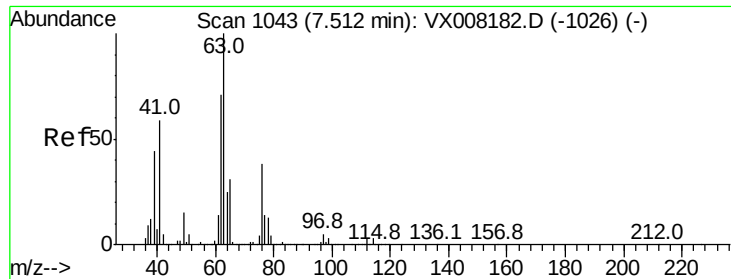
Delta R.T. 0.00 min

Lab File: VX008180.D

Acq: 19 Mar 2019 10:19

Tgt Ion:	130	Resp:	18865
Ion	Ratio	Lower	Upper
130	100		
95	107.6	0.0	188.0





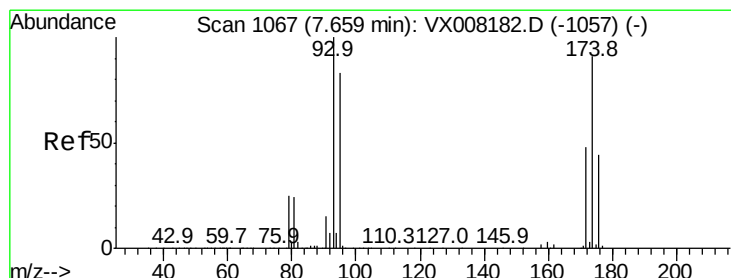
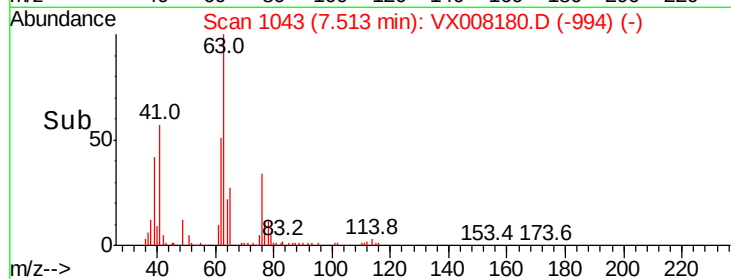
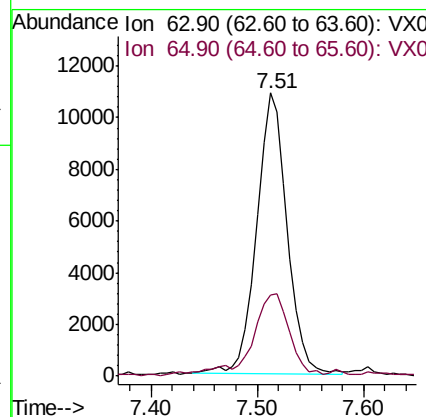
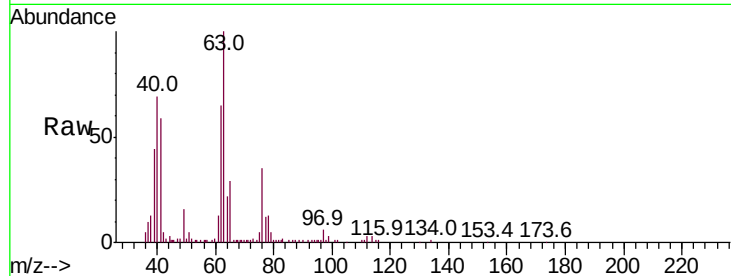
#45
 1,2-Dichloropropane
 Concen: 4.335 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX008180.D
 Acq: 19 Mar 2019 10:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
63	100		
65	27.4	24.7	37.1

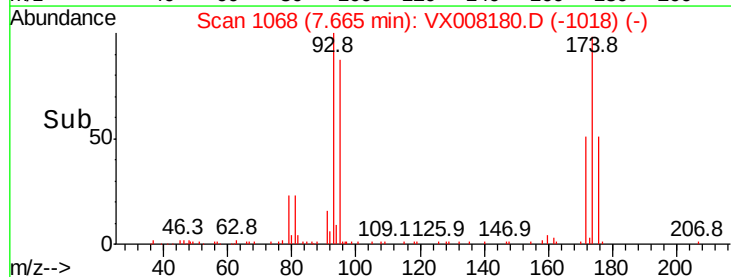
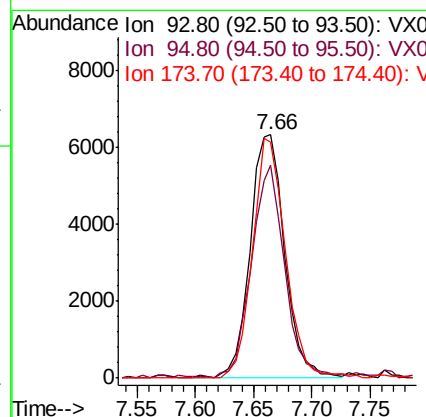
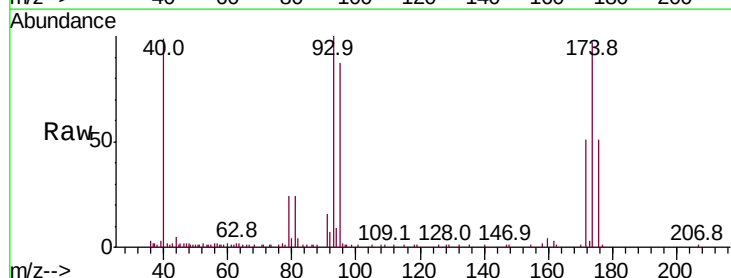
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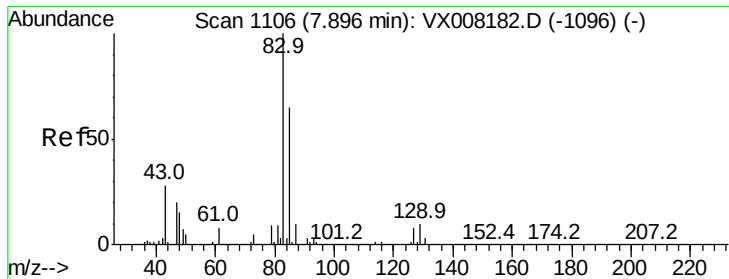
MMDadoda
 3/20/2019 10:26:41 AM



#46
 Dibromomethane
 Concen: 4.343 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.01 min
 Lab File: VX008180.D
 Acq: 19 Mar 2019 10:19

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.8	66.8	100.2
174	94.0	97.3	145.9#





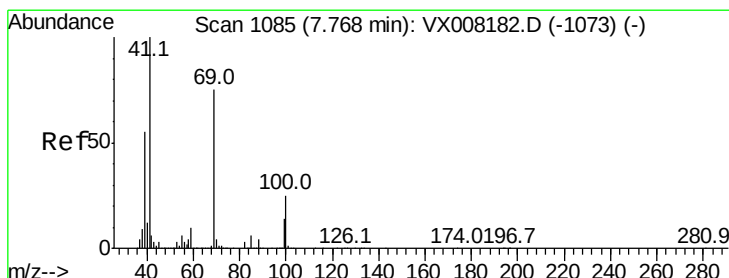
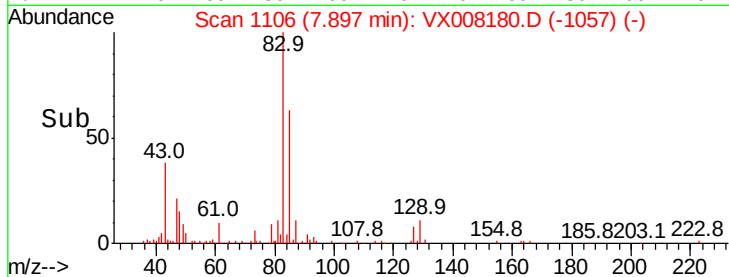
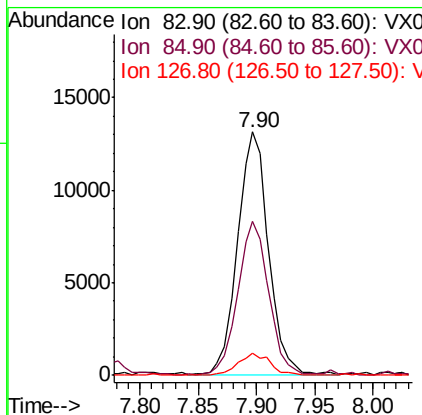
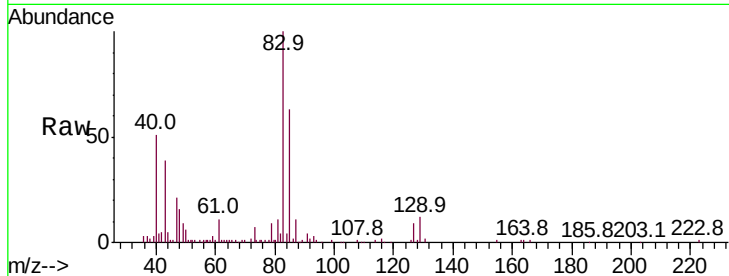
#47
Bromodichloromethane
Concen: 4.081 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX008180.D
Acq: 19 Mar 2019 10:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
85	62.3	50.9	76.3
127	8.9	7.4	11.0

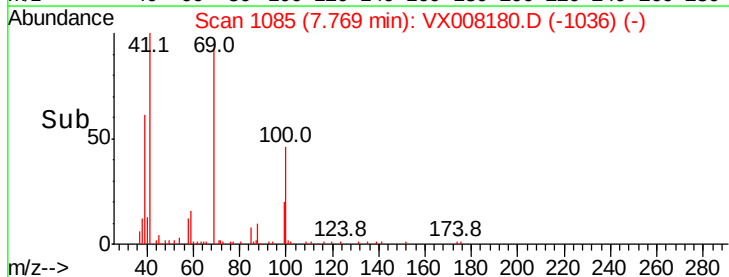
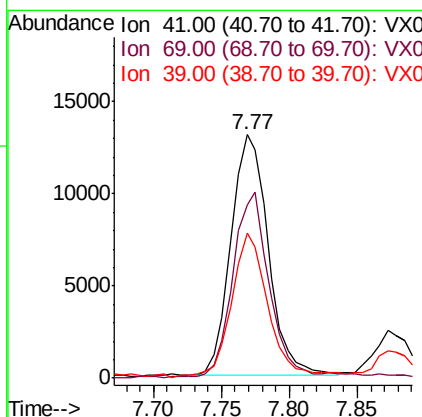
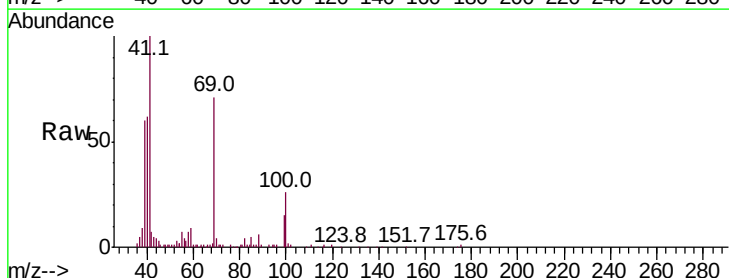
Manual Integrations
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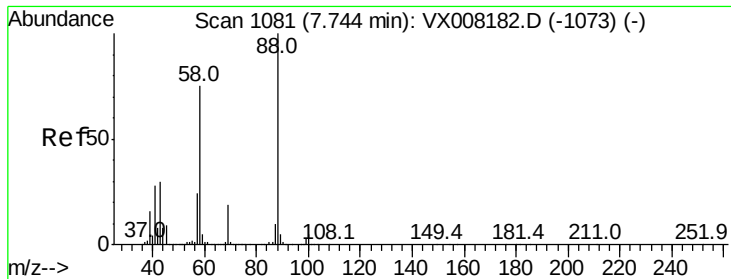
MMDadoda
3/20/2019 10:26:41 AM



#48
Methyl methacrylate
Concen: 3.931 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. 0.00 min
Lab File: VX008180.D
Acq: 19 Mar 2019 10:19

Tgt Ion	Ratio	Lower	Upper
41	100		
69	72.9	65.2	97.8
39	60.3	39.4	59.2#





#49

1,4-Dioxane

Concen: 88.914 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.01 min

Lab File: VX008180.D

Acq: 19 Mar 2019 10:19

Instrument :

MSVOA_X

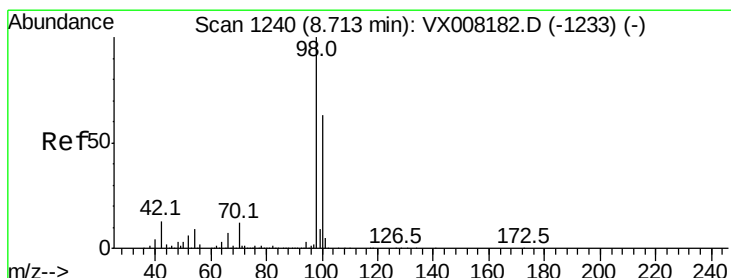
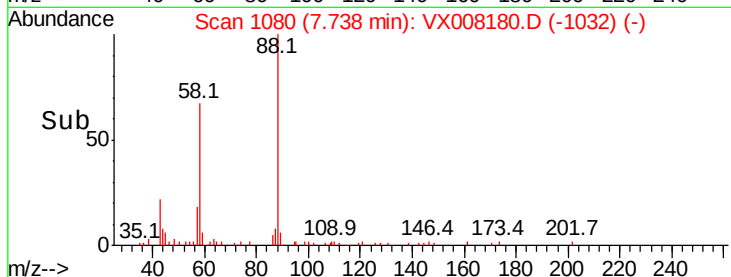
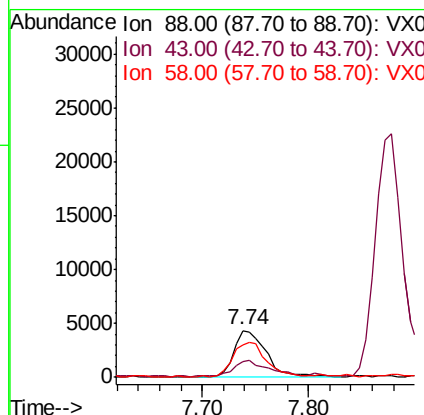
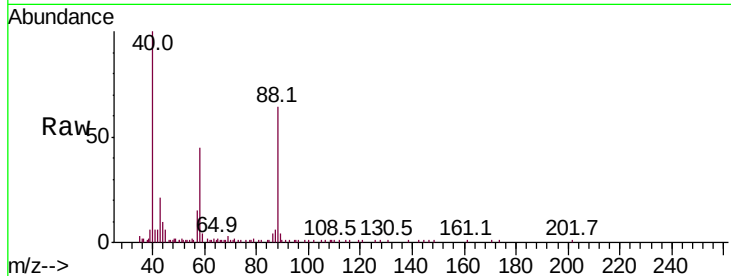
ClientSampleId :

VSTDIC005

Tot Ion:	88	Resp:	9323
Ion	Ratio	Lower	Upper
88	100		
43	37.3	25.1	37.7
58	81.7	57.8	86.6

Manual Integrations
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#50

Toluene-d8

Concen: 5.173 ug/l

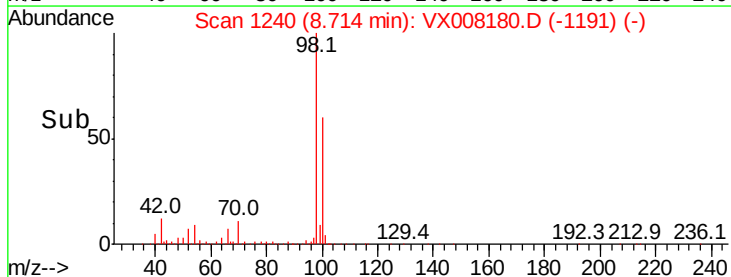
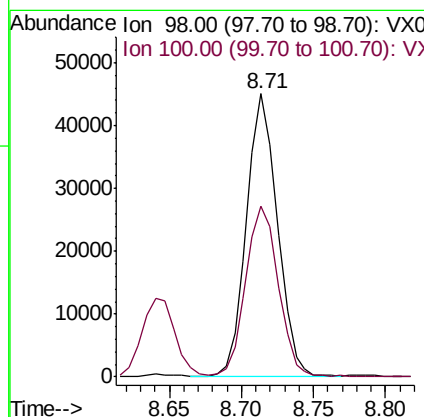
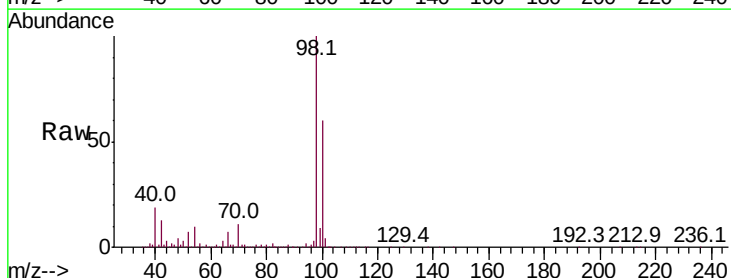
RT: 8.71 min Scan# 1240

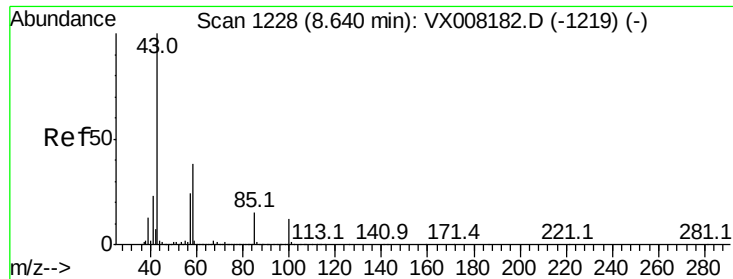
Delta R.T. 0.00 min

Lab File: VX008180.D

Acq: 19 Mar 2019 10:19

Tgt Ion:	98	Resp:	66728
Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 20.845 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX008180.D

Acq: 19 Mar 2019 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 161451

Ion Ratio Lower Upper

43 100

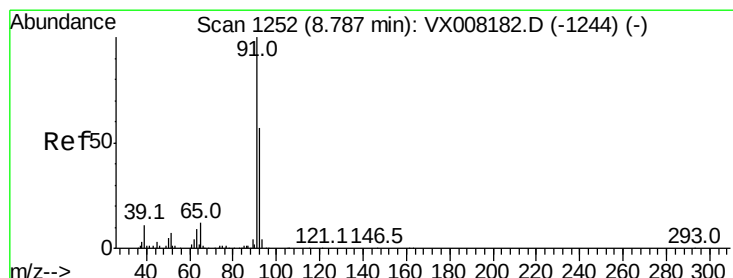
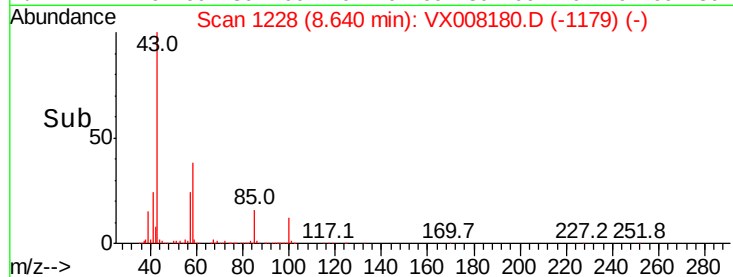
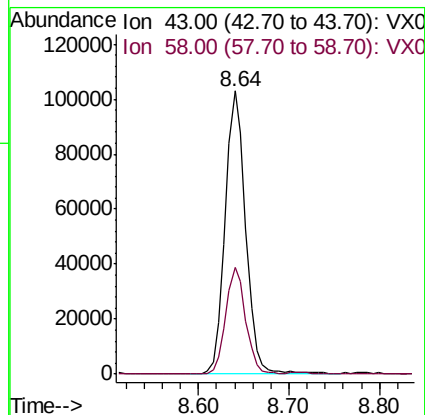
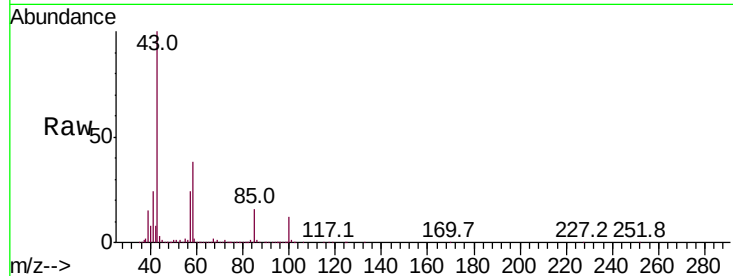
58 36.7 31.3 46.9

Manual Integrations

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#52

Toluene

Concen: 4.247 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX008180.D

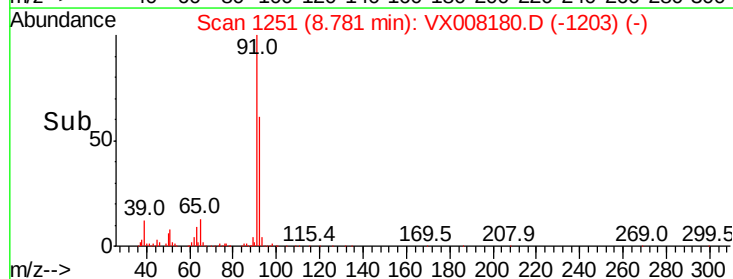
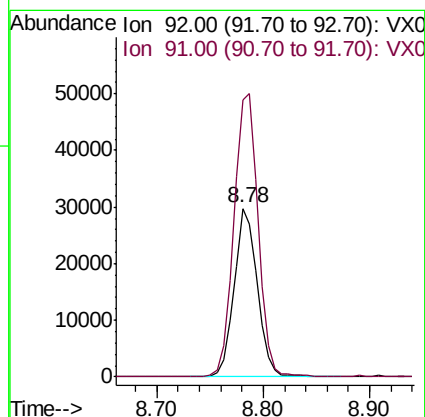
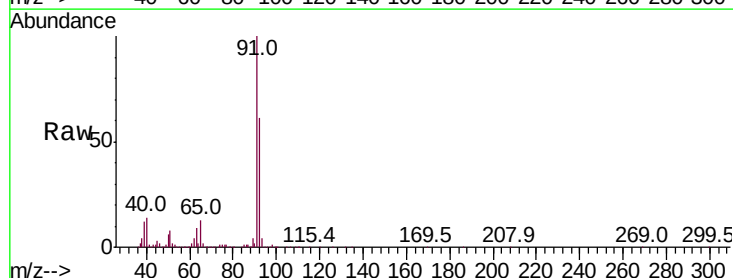
Acq: 19 Mar 2019 10:19

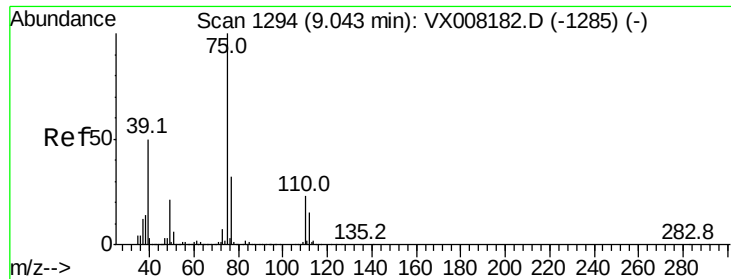
Tgt Ion: 92 Resp: 45611

Ion Ratio Lower Upper

92 100

91 175.3 137.4 206.0





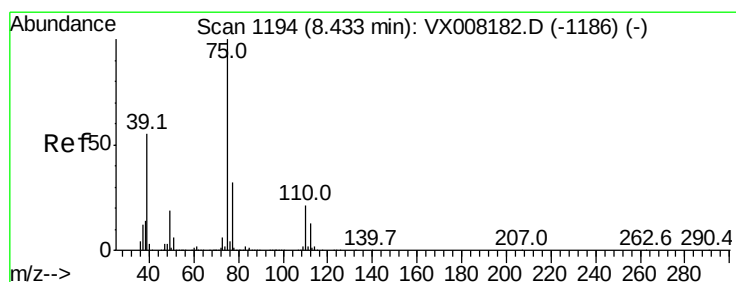
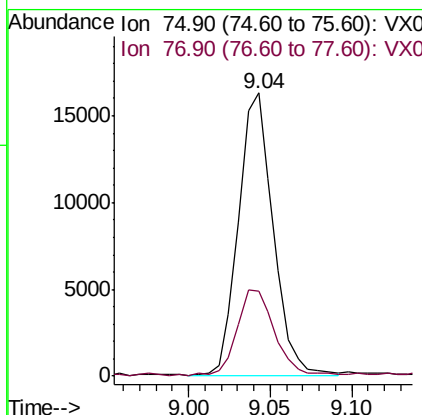
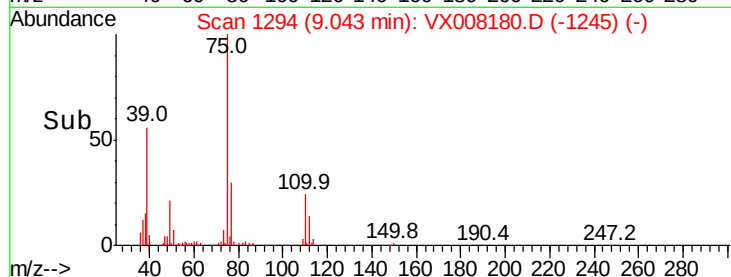
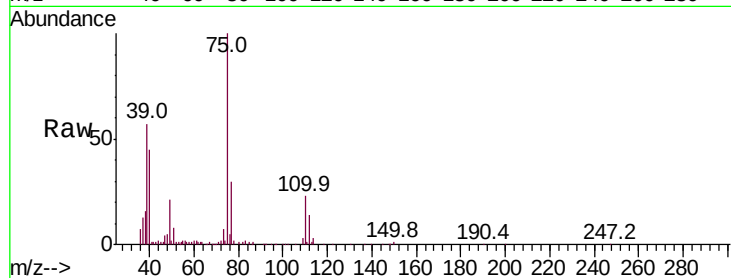
#53
t-1,3-Dichloropropene
Concen: 3.471 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX008180.D
Acq: 19 Mar 2019 10:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.3	25.4	38.0

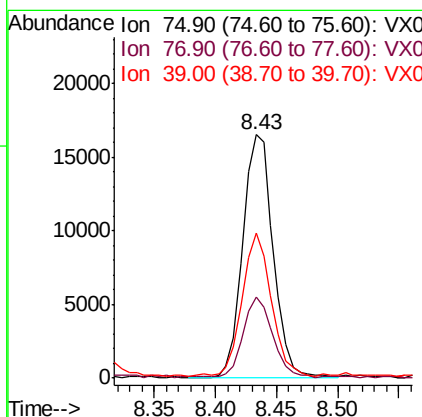
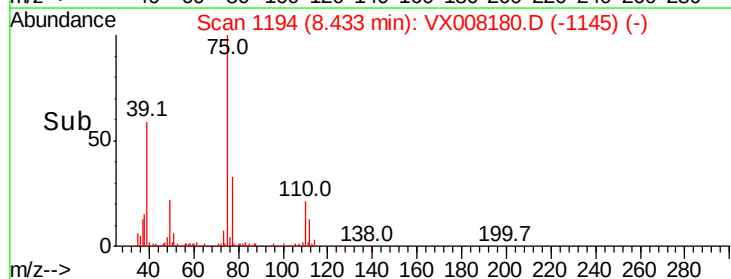
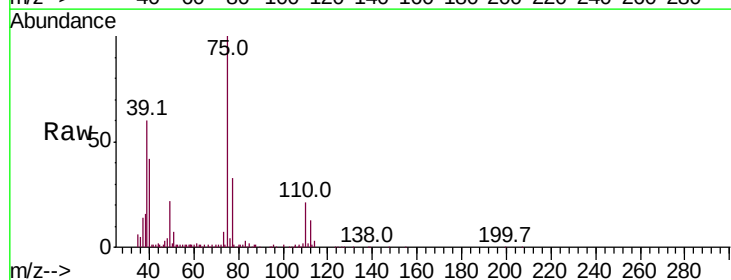
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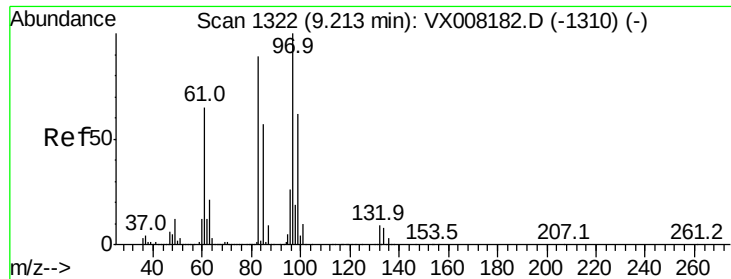
MMDadoda
3/20/2019 10:26:41 AM



#54
cis-1,3-Dichloropropene
Concen: 3.794 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX008180.D
Acq: 19 Mar 2019 10:19

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.6	25.0	37.6
39	58.6	36.6	54.8#





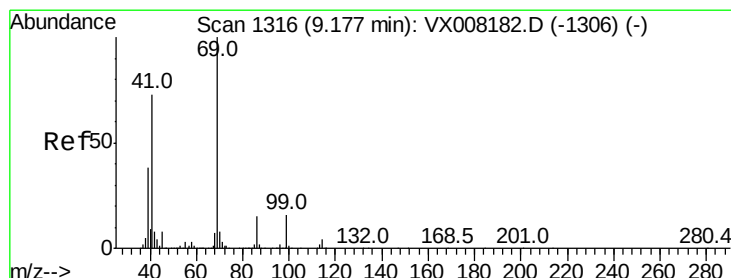
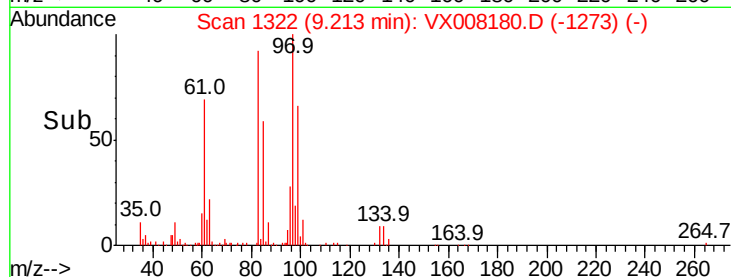
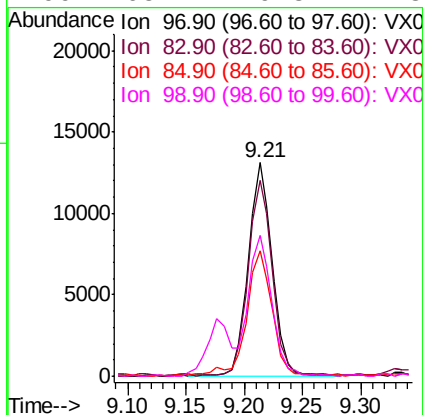
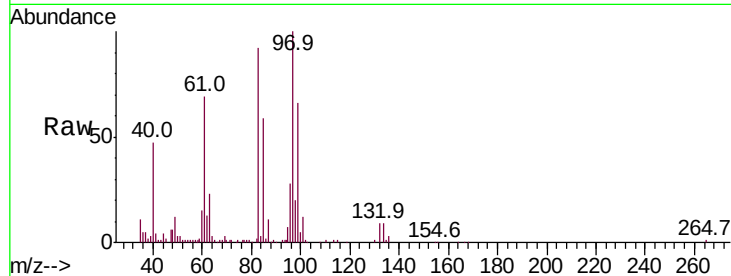
#55
 1,1,2-Trichloroethane
 Concen: 4.289 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX008180.D
 Acq: 19 Mar 2019 10:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
97	100		
83	90.9	69.1	103.7
85	58.0	44.3	66.5
99	65.7	49.8	74.8

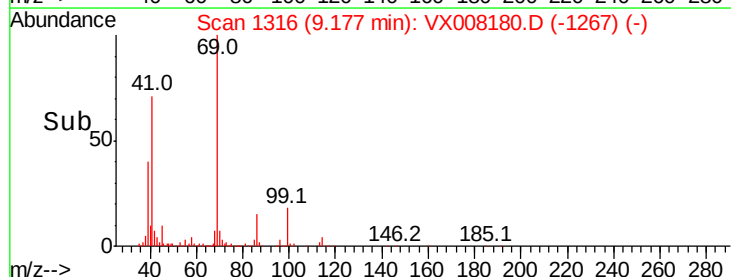
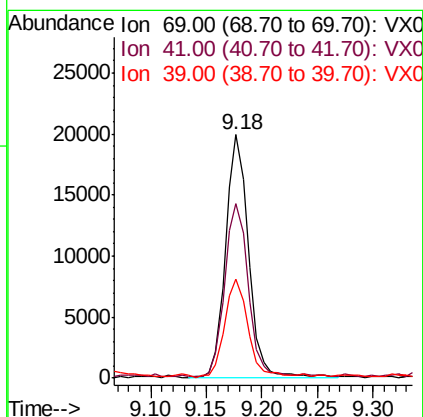
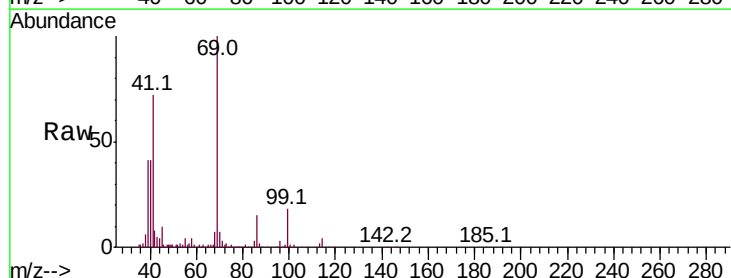
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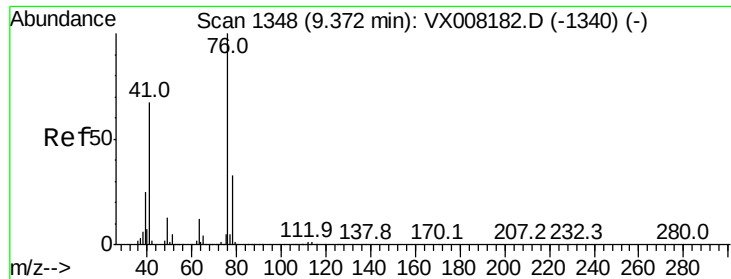
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 3.830 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX008180.D
 Acq: 19 Mar 2019 10:19

Tgt Ion	Ratio	Lower	Upper
69	100		
41	73.0	54.2	81.4
39	42.7	25.0	37.4#





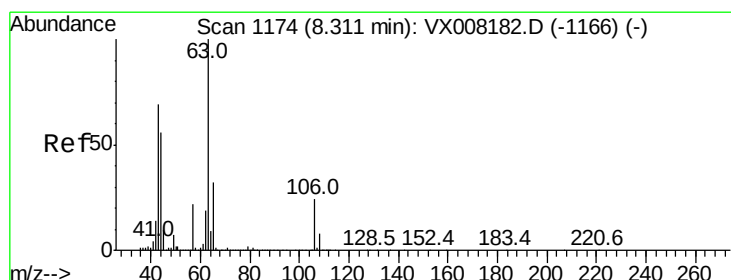
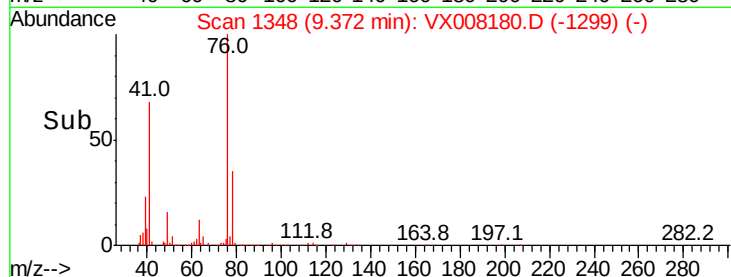
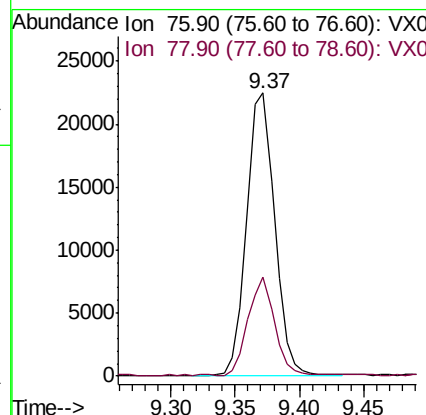
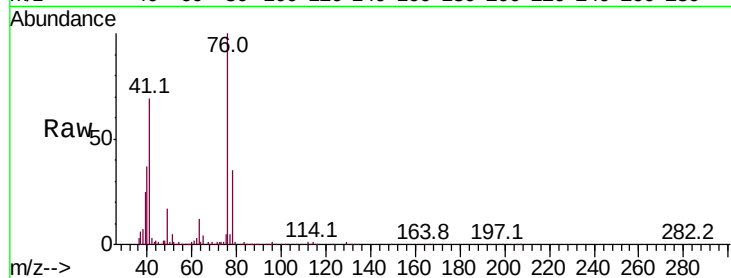
#57
 1,3-Dichloropropane
 Concen: 4.345 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX008180.D
 Acq: 19 Mar 2019 10:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.5	38.3

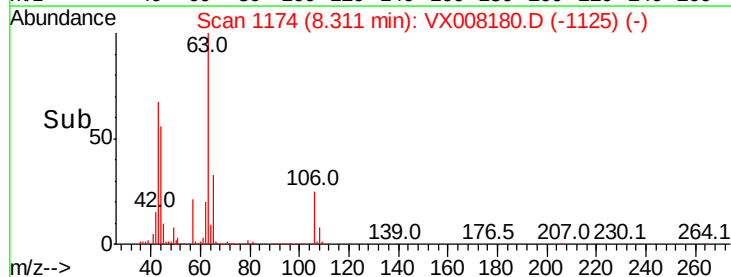
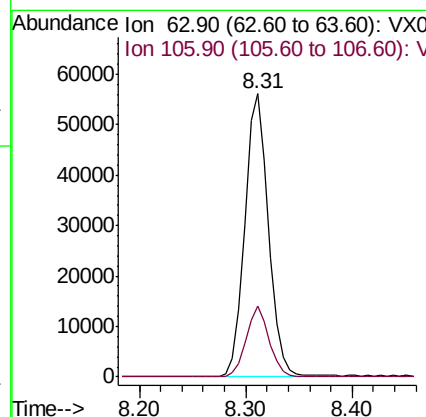
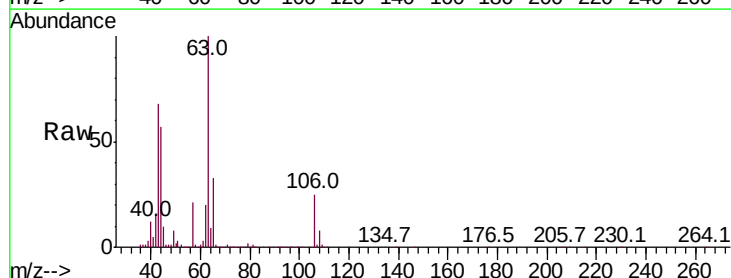
Manual Integrations
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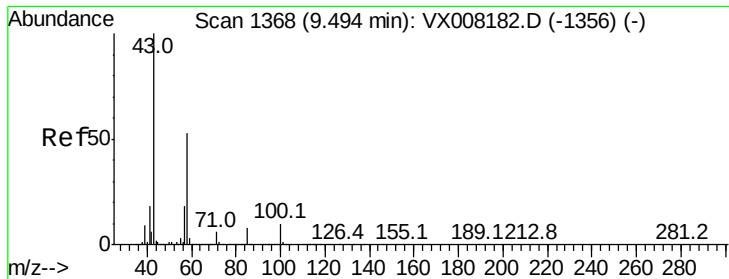
MMDadoda
 3/20/2019 10:26:41 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 25.372 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX008180.D
 Acq: 19 Mar 2019 10:19

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.4	22.2	33.2





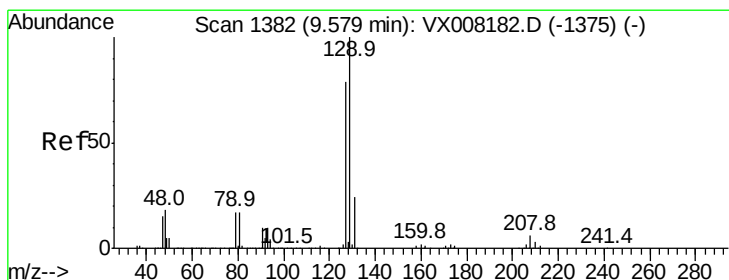
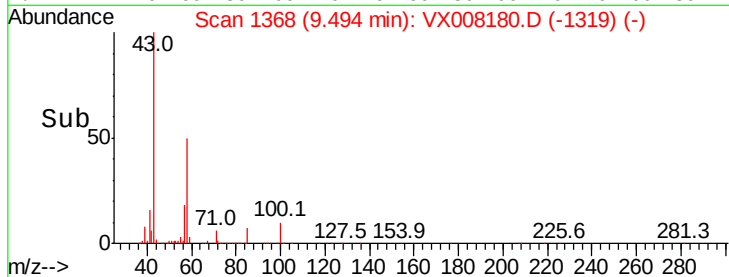
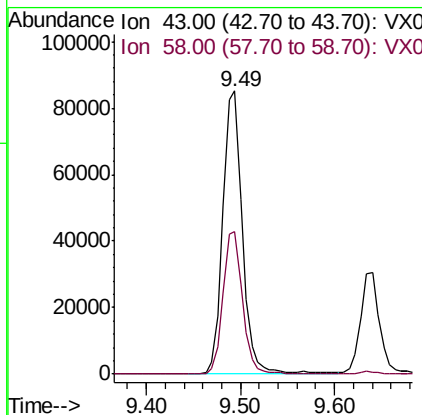
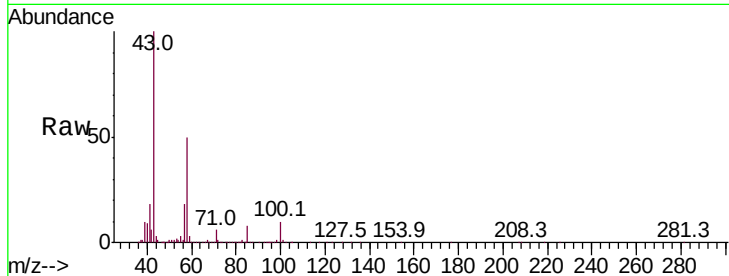
#59
2-Hexanone
Concen: 20.916 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX008180.D
Acq: 19 Mar 2019 10:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.8	27.6	82.7

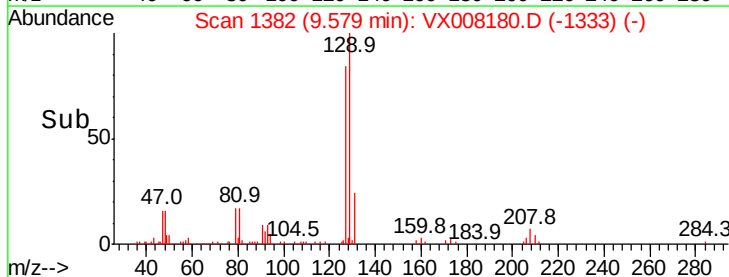
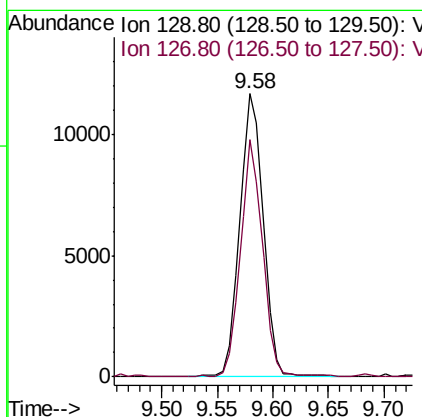
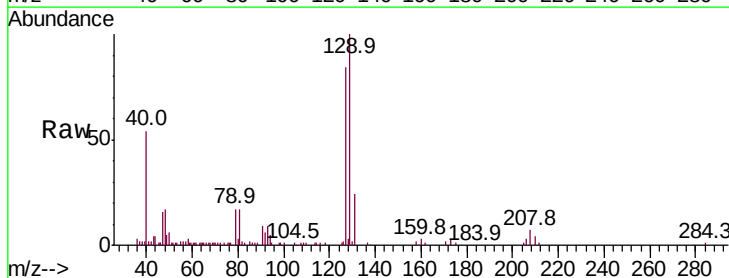
Manual Integrations
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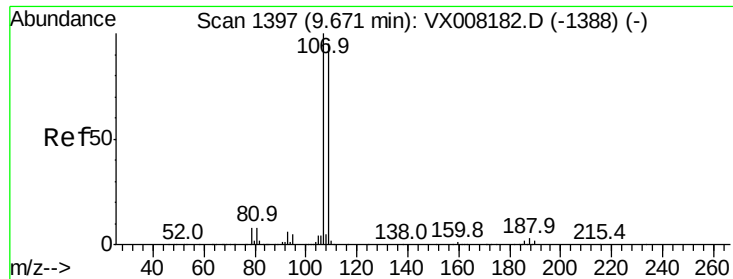
MMDadoda
3/20/2019 10:26:41 AM



#60
Dibromochloromethane
Concen: 3.893 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX008180.D
Acq: 19 Mar 2019 10:19

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.5	38.3	114.8





#61

1,2-Dibromoethane

Concen: 4.164 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX008180.D

Acq: 19 Mar 2019 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:107 Resp: 19147

Ion Ratio Lower Upper

107 100

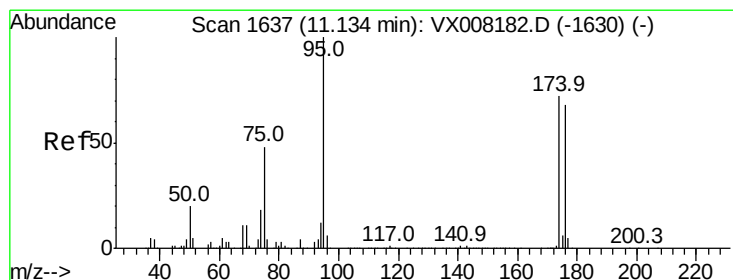
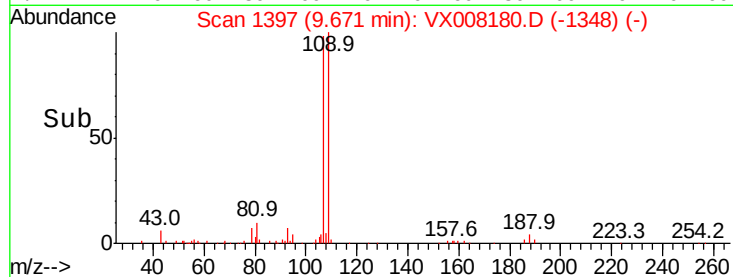
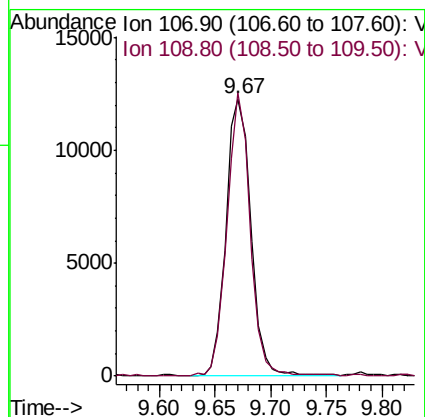
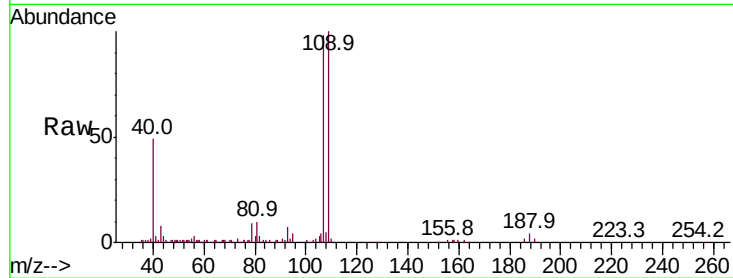
109 94.2 75.8 113.8

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 4.672 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008180.D

Acq: 19 Mar 2019 10:19

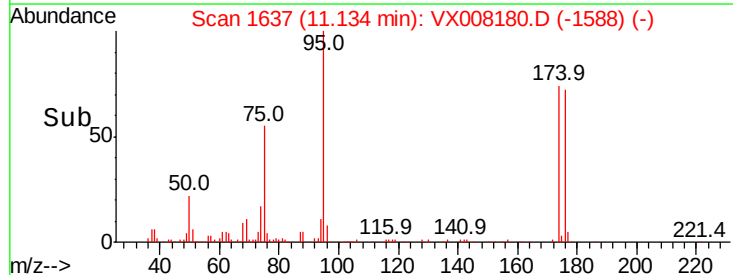
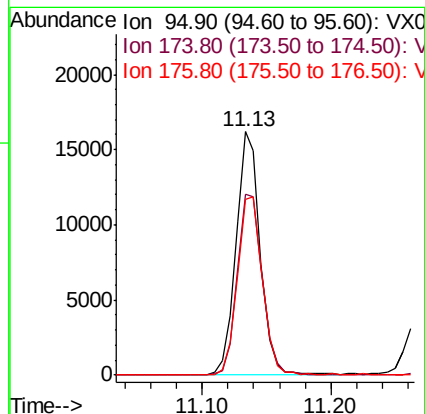
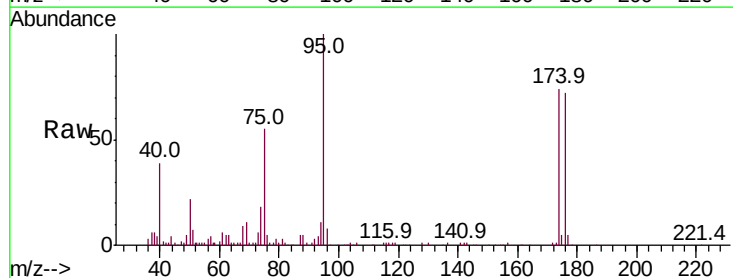
Tgt Ion: 95 Resp: 21110

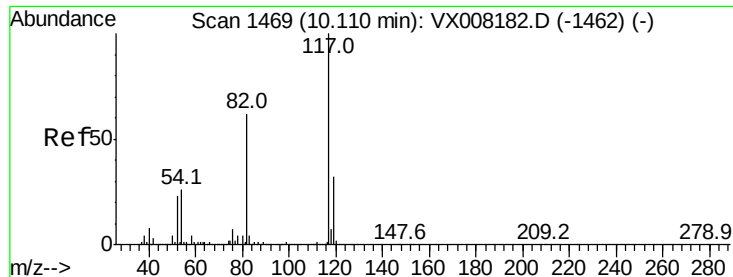
Ion Ratio Lower Upper

95 100

174 77.1 0.0 182.8

176 76.0 0.0 178.0





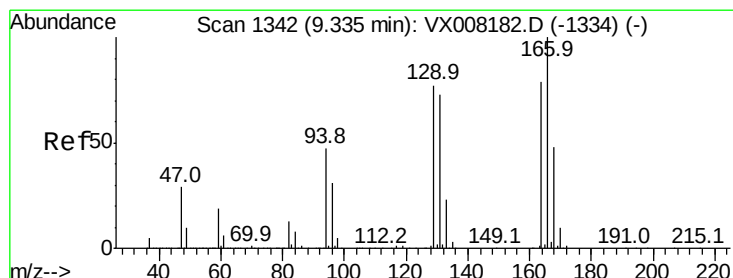
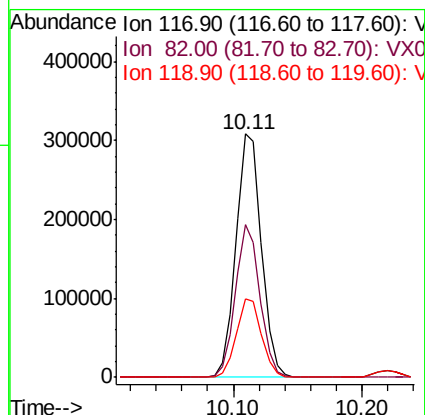
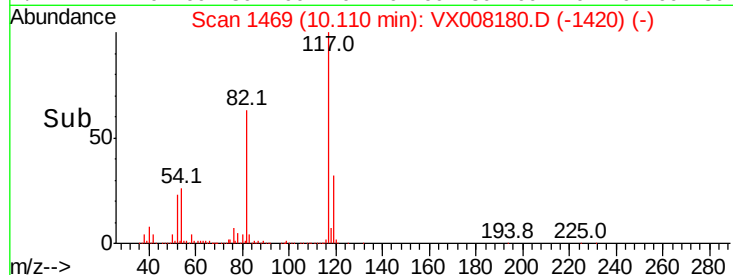
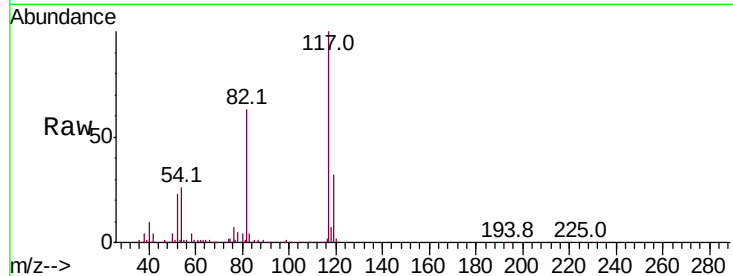
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008180.D
Acq: 19 Mar 2019 10:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.6	44.3	66.5
119	32.3	25.3	37.9

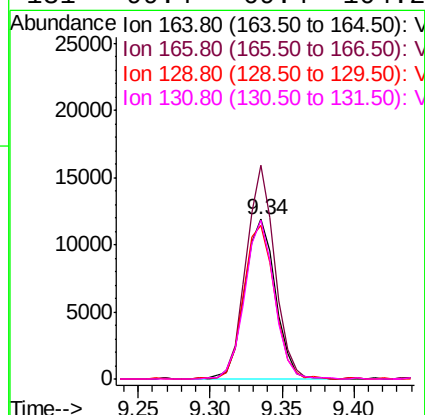
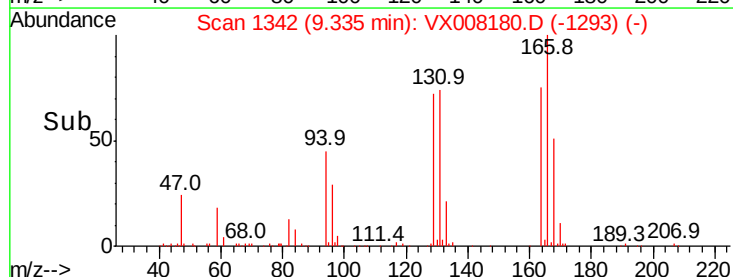
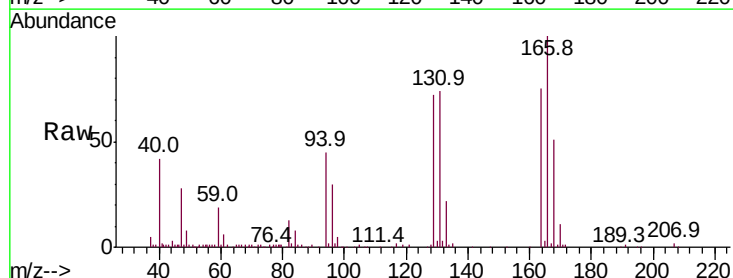
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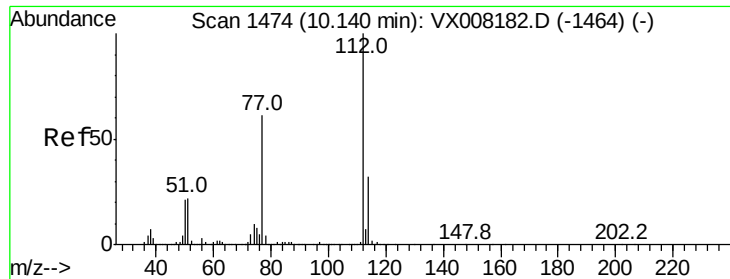
MMDadoda
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#64
Tetrachloroethene
Concen: 4.295 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX008180.D
Acq: 19 Mar 2019 10:19

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.8	103.4	155.0
129	96.6	72.2	108.4
131	99.4	69.4	104.2





#65

Chlorobenzene

Concen: 4.339 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.01 min

Lab File: VX008180.D

Acq: 19 Mar 2019 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:112 Resp: 48600

Ion Ratio Lower Upper

112 100

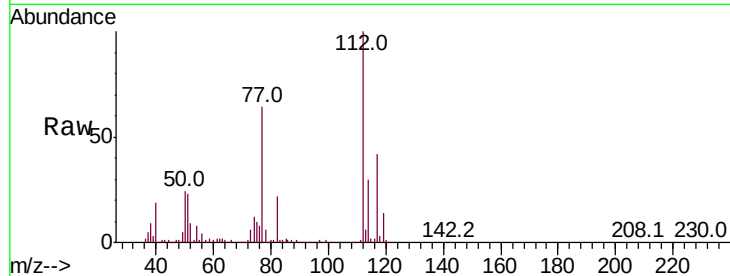
114 29.8 26.0 39.0

Manual Integrations

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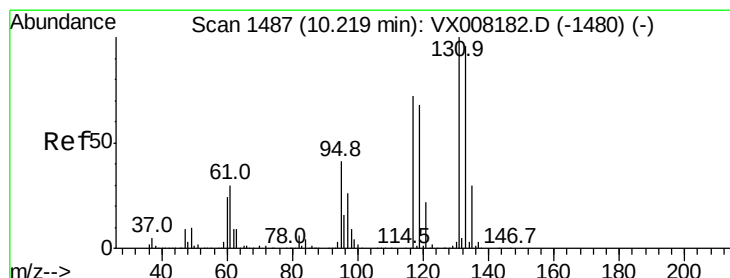
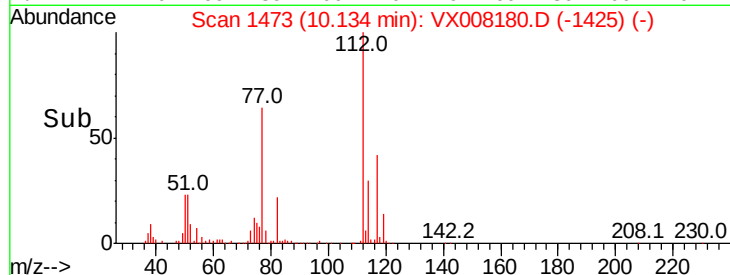
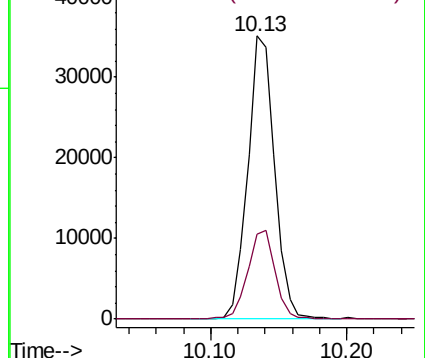
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 4.161 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX008180.D

Acq: 19 Mar 2019 10:19

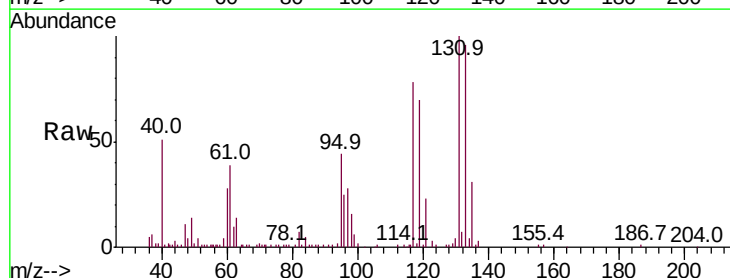
Tgt Ion:131 Resp: 16709

Ion Ratio Lower Upper

131 100

133 93.7 47.8 143.3

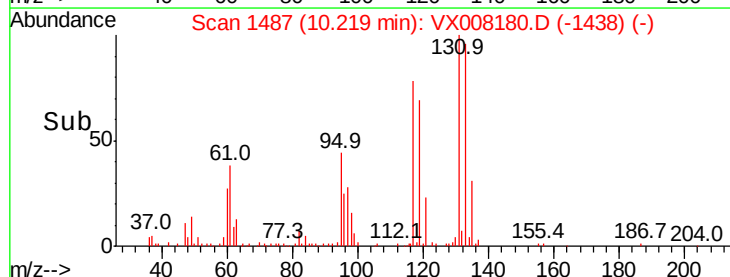
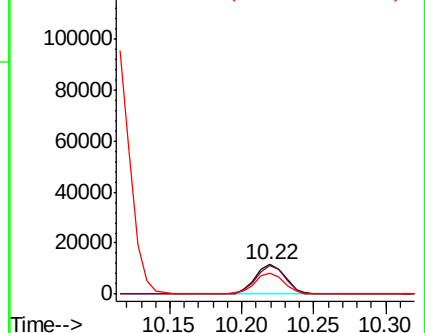
119 71.2 32.5 97.5

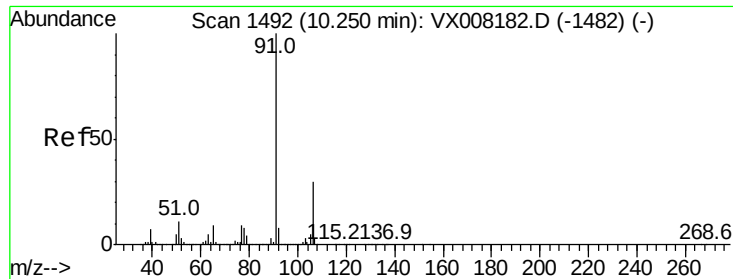


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 4.073 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX008180.D

Acq: 19 Mar 2019 10:19

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

Tot Ion: 91 Resp: 83061

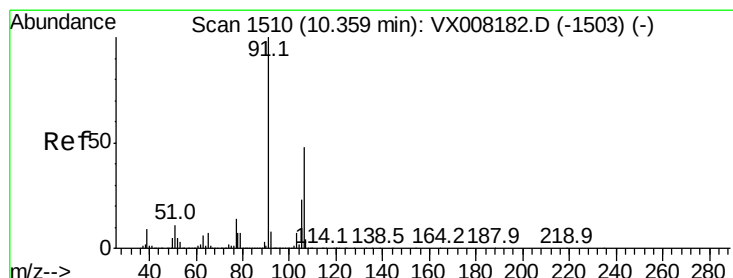
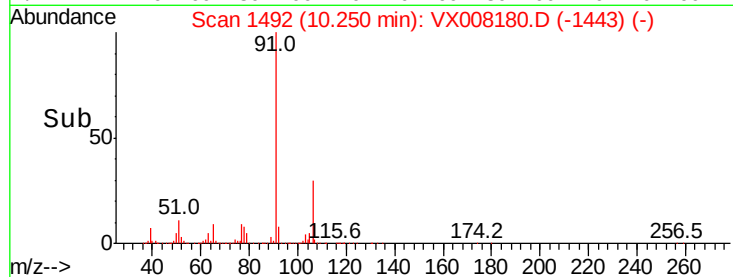
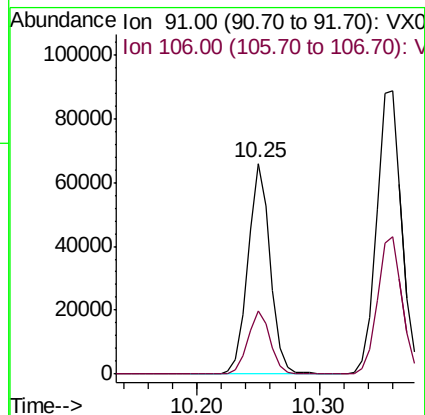
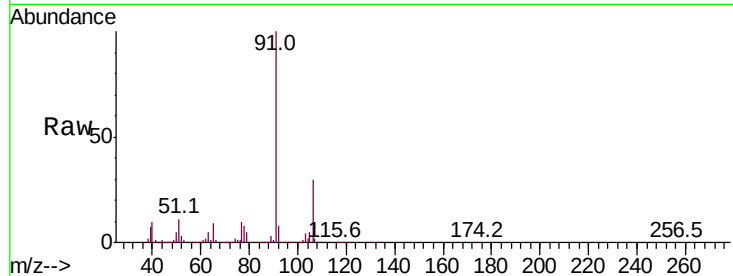
Ion Ratio Lower Upper

91 100

106 29.8 25.2 37.8

Manual Integrations
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#68

m/p-Xylenes

Concen: 8.023 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX008180.D

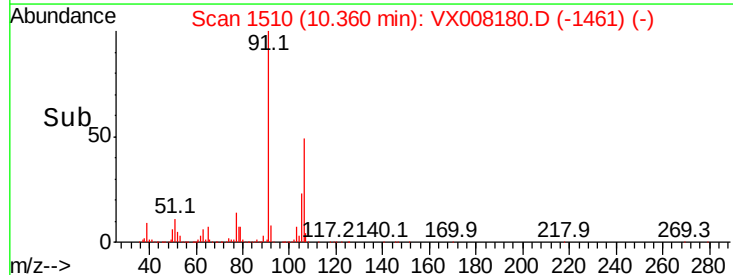
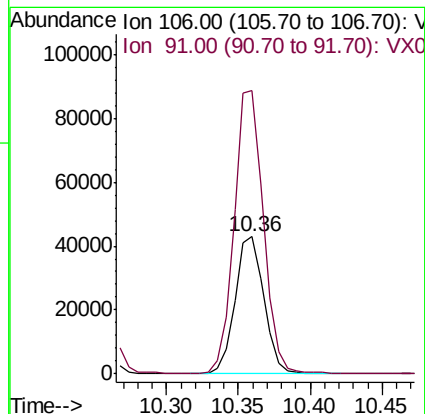
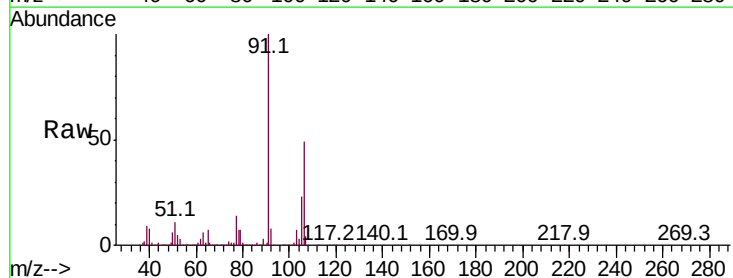
Acq: 19 Mar 2019 10:19

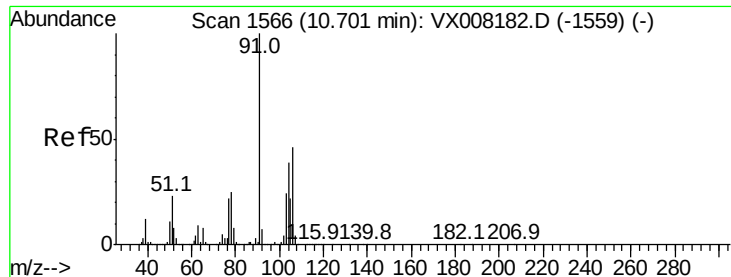
Tgt Ion: 106 Resp: 60022

Ion Ratio Lower Upper

106 100

91 210.0 159.8 239.6





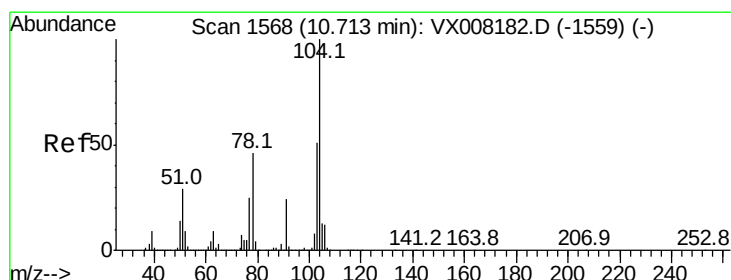
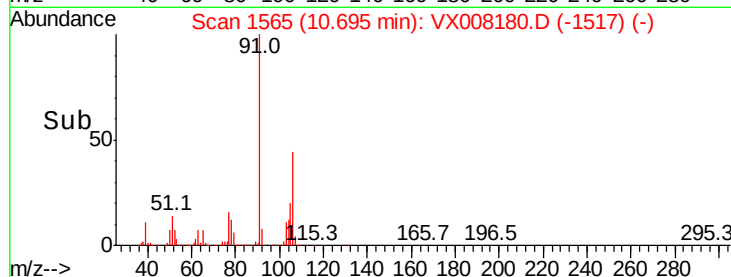
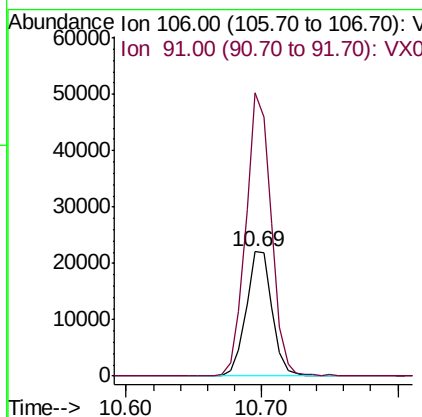
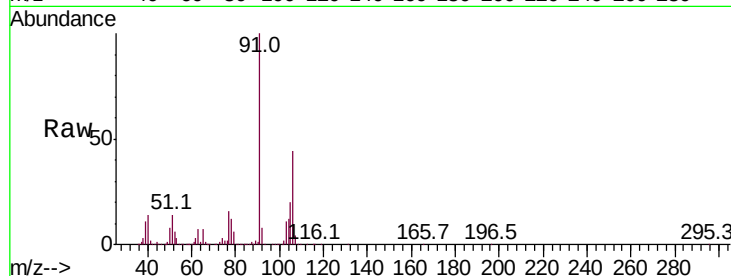
#69
o-Xylene
Concen: 4.067 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX008180.D
Acq: 19 Mar 2019 10:19

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
106	100		
91	221.6	106.3	318.9

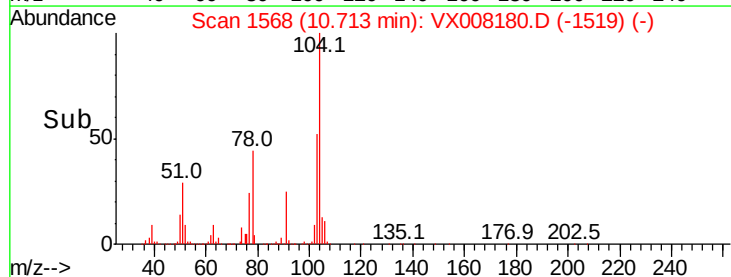
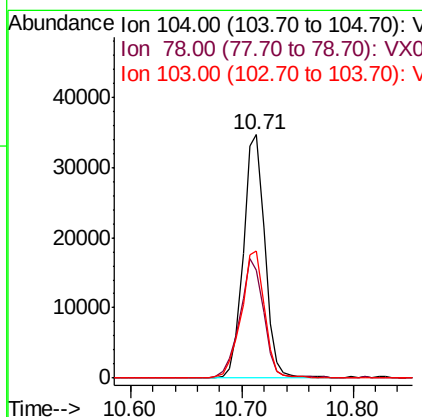
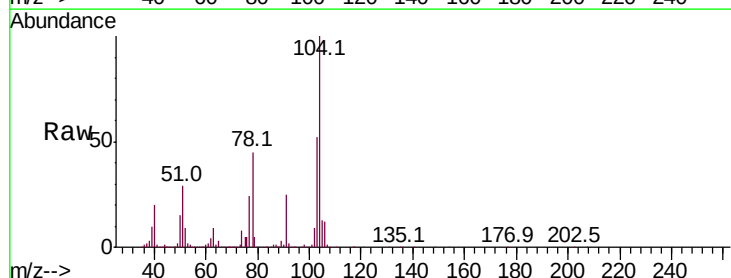
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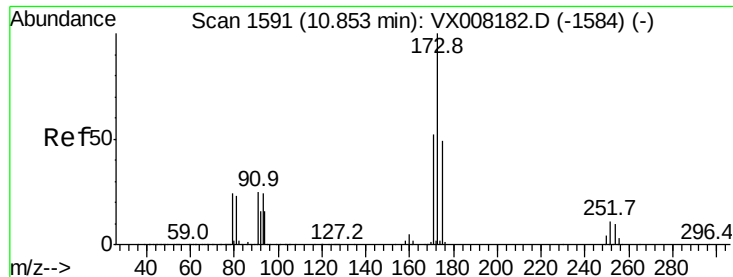
MMDadoda
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#70
Styrene
Concen: 3.909 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX008180.D
Acq: 19 Mar 2019 10:19

Tgt Ion	Ratio	Lower	Upper
104	100		
78	54.5	38.5	57.7
103	56.3	44.1	66.1





#71

Bromoform

Concen: 3.625 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX008180.D

Acq: 19 Mar 2019 10:19

Instrument :

MSVOA_X

ClientSampled :

VSTDIC005

Tot Ion:173 Resp: 11349

Ion Ratio Lower Upper

173 100

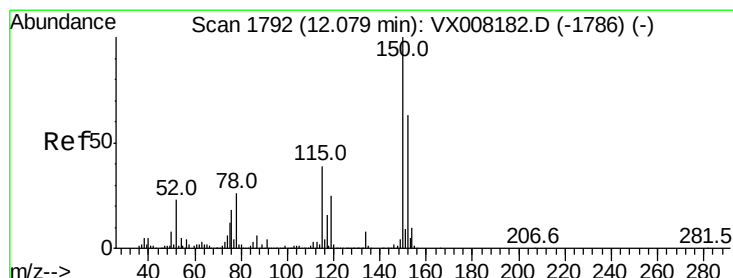
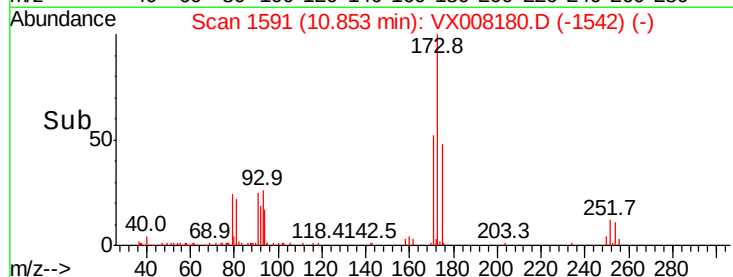
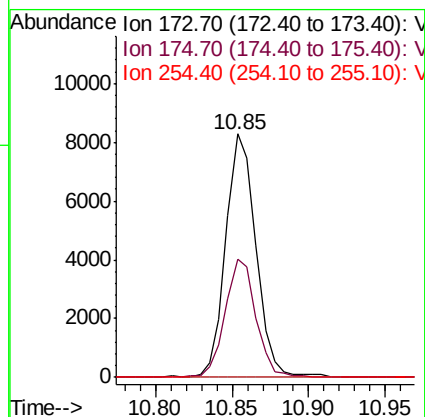
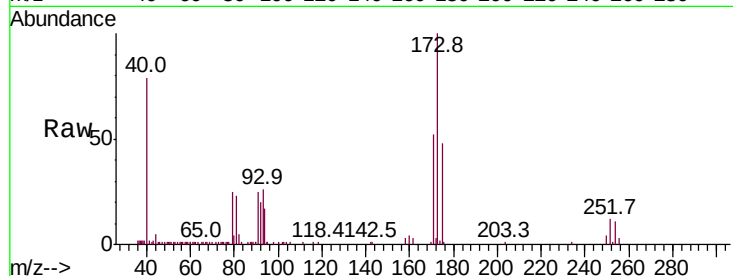
175 49.2 24.3 72.9

254 0.0 0.1 0.1#

Manual Integrations
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MMDadoda

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008180.D

Acq: 19 Mar 2019 10:19

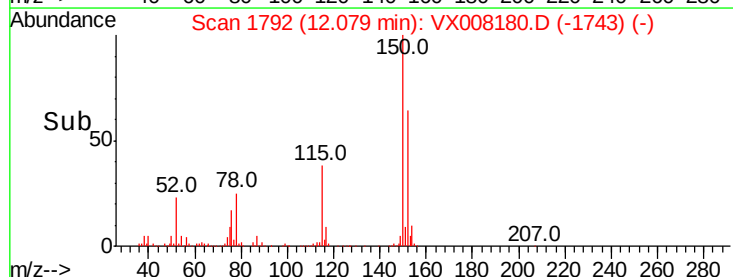
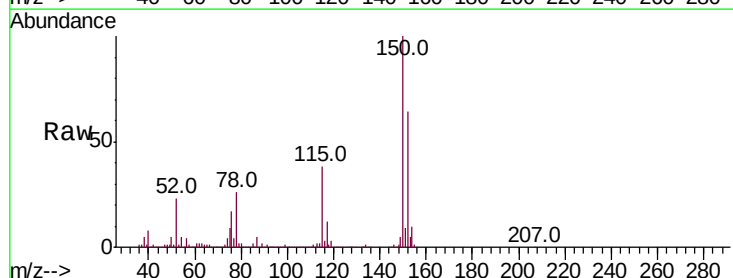
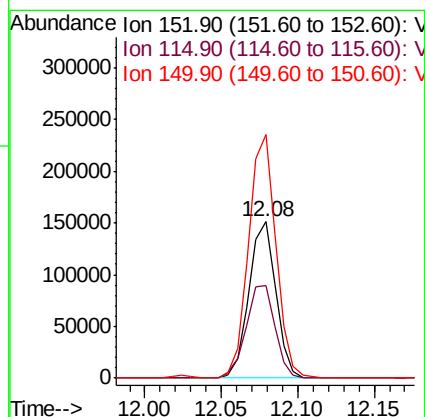
Tgt Ion:152 Resp: 185245

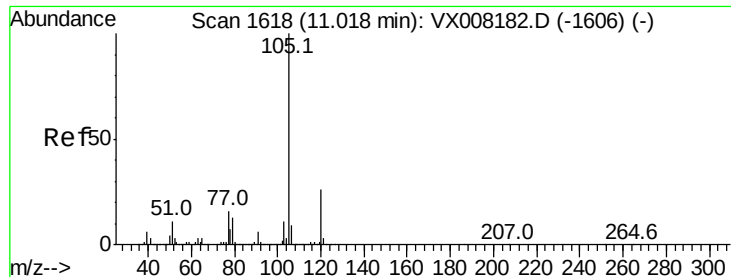
Ion Ratio Lower Upper

152 100

115 64.0 38.6 115.7

150 157.1 0.0 348.4





#73

Isopropylbenzene

Concen: 4.295 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX008180.D

Acq: 19 Mar 2019 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 78204

Ion Ratio Lower Upper

105 100

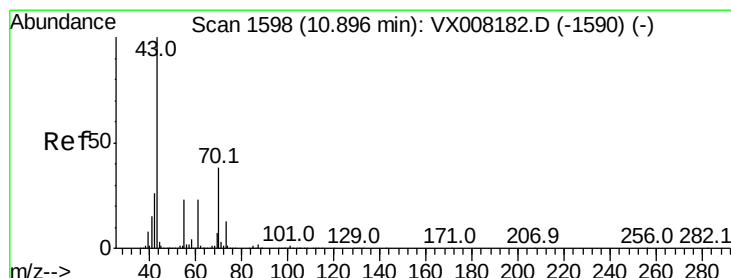
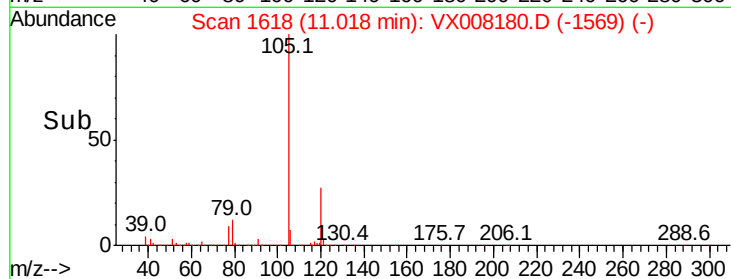
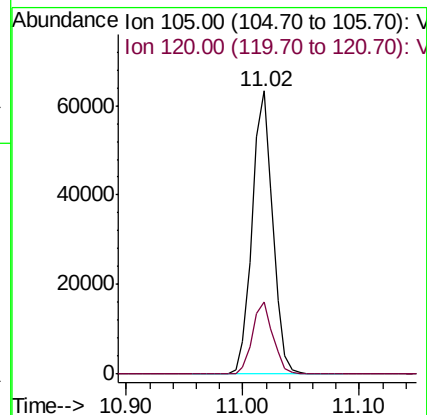
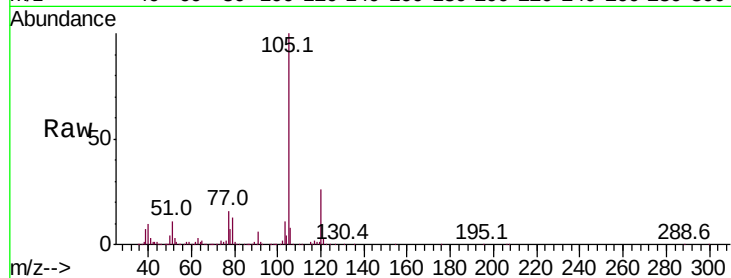
120 25.9 13.4 40.1

Manual Integrations

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#74

N-ethyl acetate

Concen: 4.060 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX008180.D

Acq: 19 Mar 2019 10:19

Tgt Ion: 43 Resp: 39313

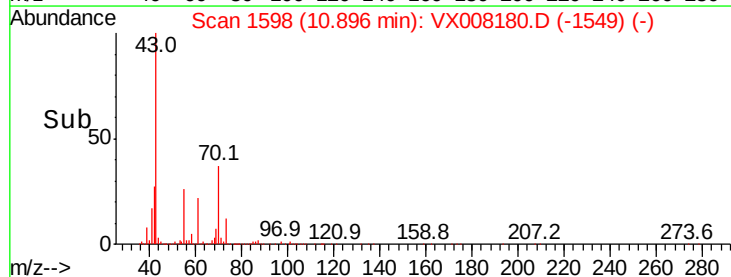
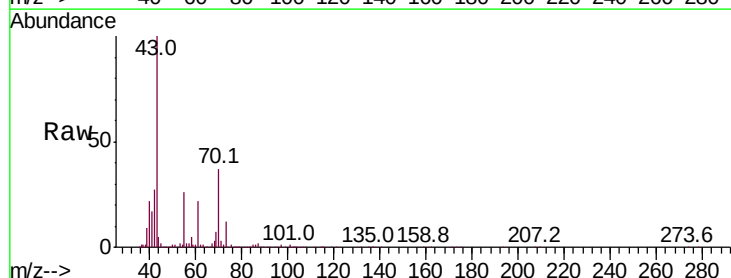
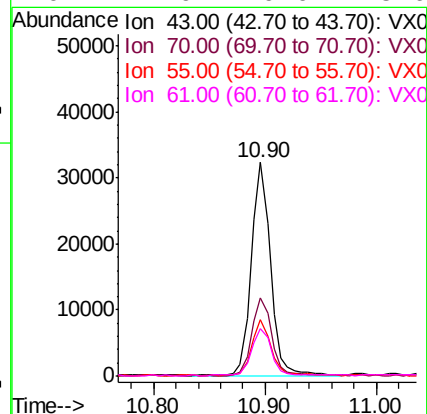
Ion Ratio Lower Upper

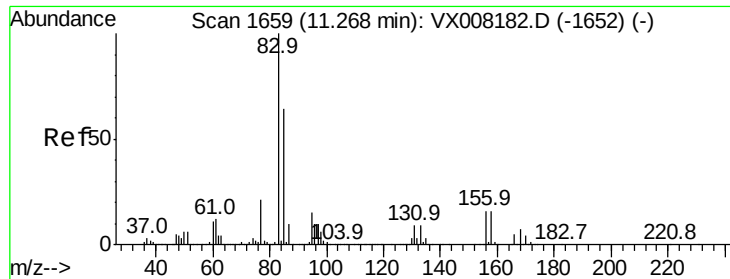
43 100

70 37.2 33.5 50.3

55 27.1 19.2 28.8

61 21.9 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 4.623 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX008180.D

Acq: 19 Mar 2019 10:19

Instrument :

MSVOA_X

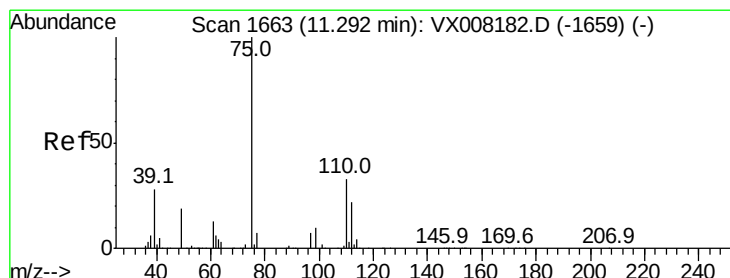
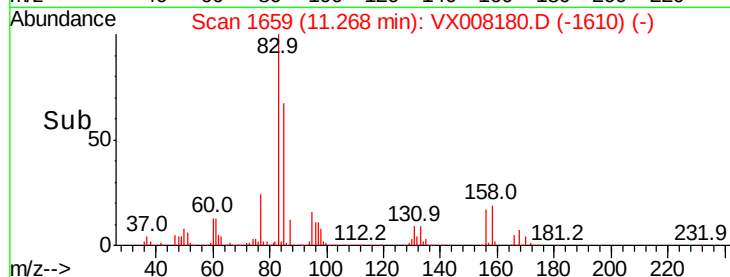
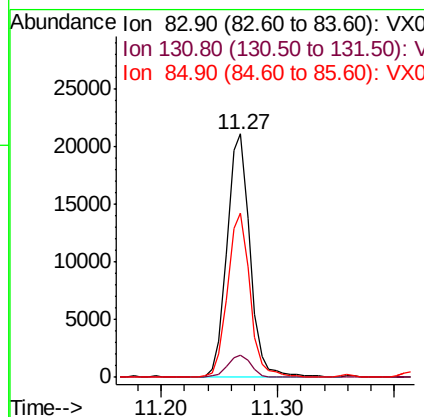
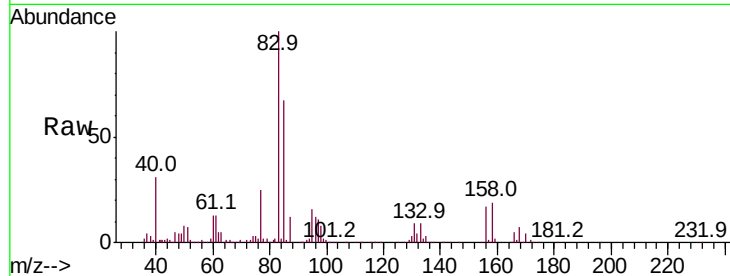
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	28925
Ion Ratio	Lower	Upper	
83	100		
131	9.4	5.4	16.2
85	66.3	32.3	96.8

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#76

1,2,3-Trichloropropane

Concen: 4.574 ug/l m

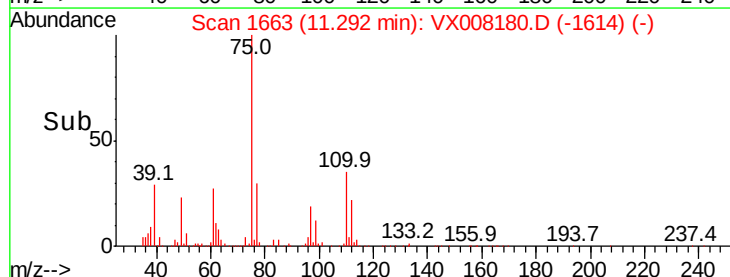
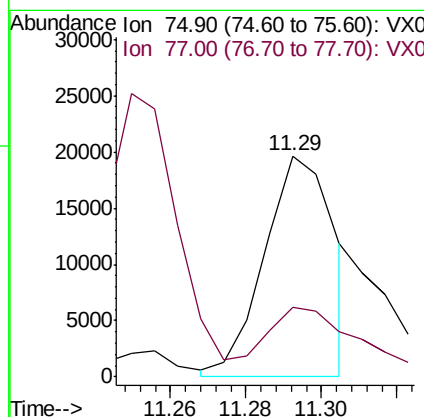
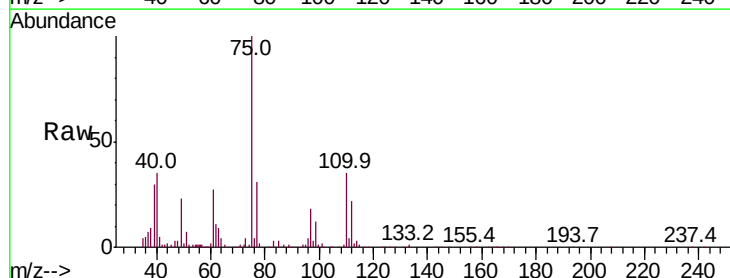
RT: 11.29 min Scan# 1663

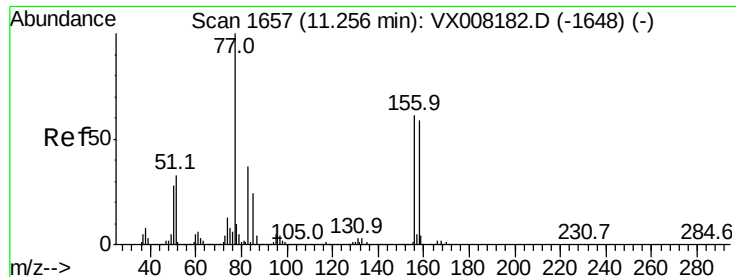
Delta R.T. 0.00 min

Lab File: VX008180.D

Acq: 19 Mar 2019 10:19

Tgt Ion:	75	Resp:	25160
Ion Ratio	Lower	Upper	
75	100		
77	43.0	18.9	56.7





#77

Bromobenzene

Concen: 4.438 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX008180.D

Acq: 19 Mar 2019 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:156 Resp: 18959

Ion Ratio Lower Upper

156 100

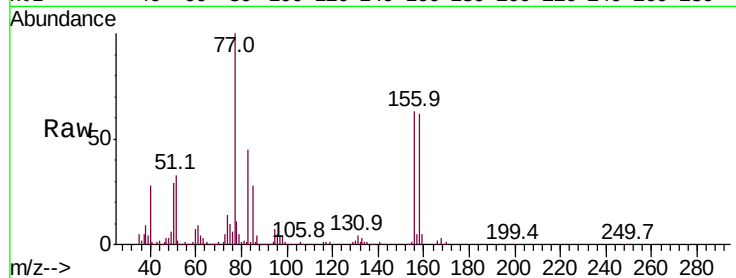
77 178.0 72.0 215.9

158 100.9 48.6 145.9

Manual Integrations
APPROVED

MMDadoda

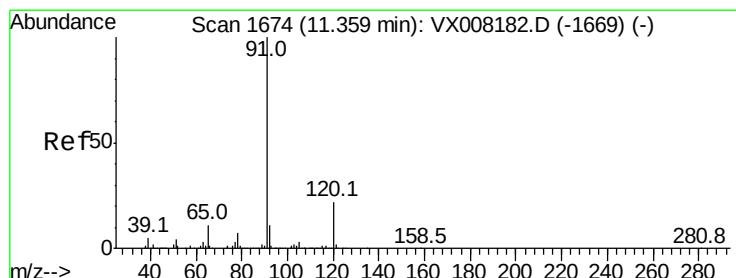
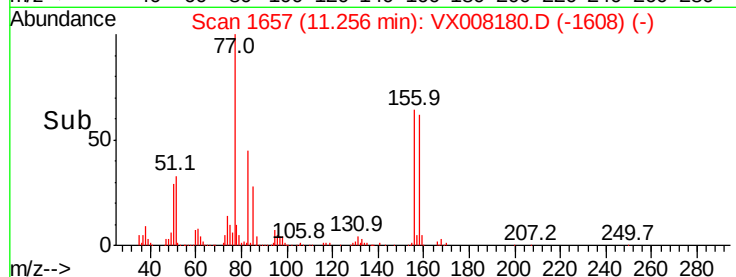
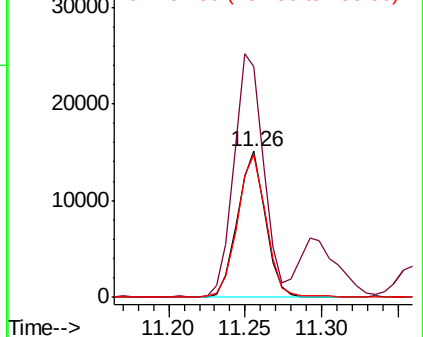
3/20/2019 10:26:41 AM



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: 4.083 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008180.D

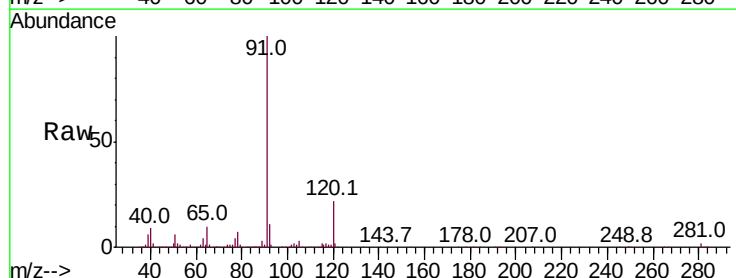
Acq: 19 Mar 2019 10:19

Tgt Ion: 91 Resp: 88145

Ion Ratio Lower Upper

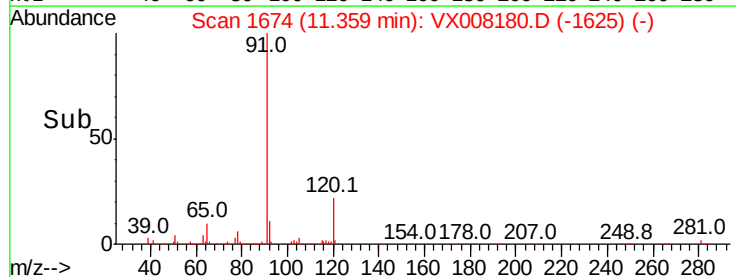
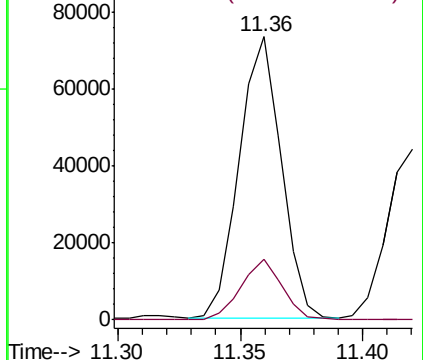
91 100

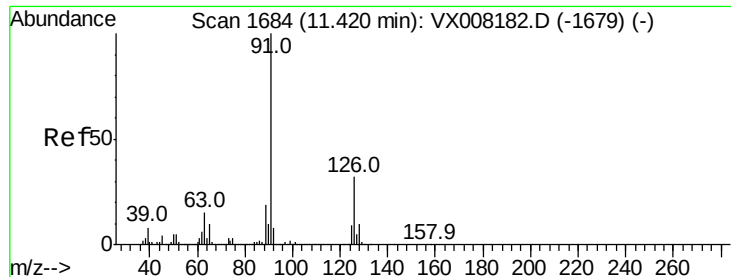
120 21.3 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





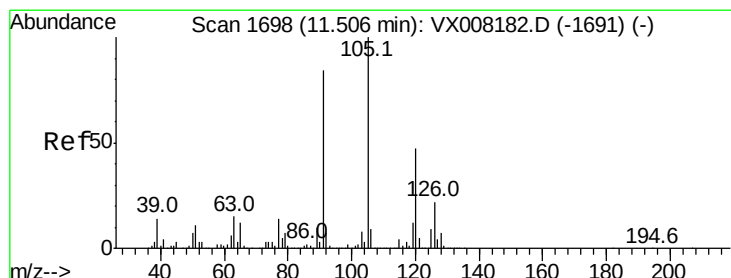
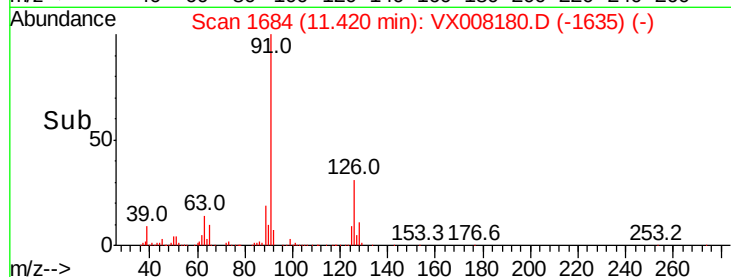
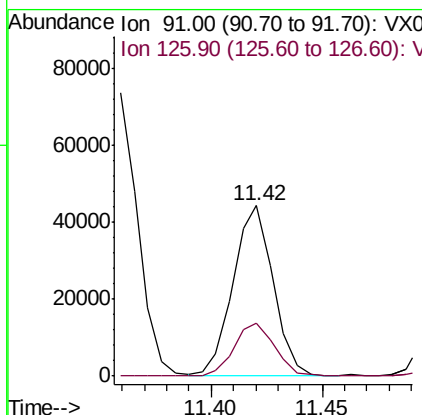
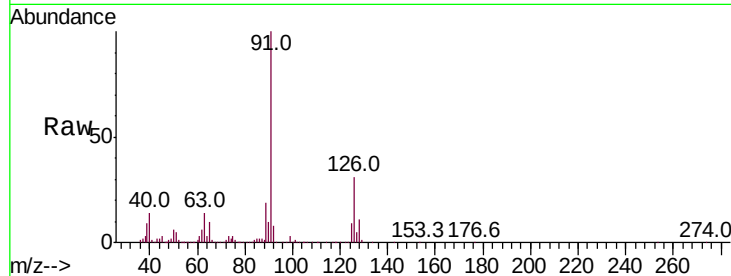
#79
2-Chlorotoluene
Concen: 4.407 ug/l
RT: 11.42 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VX008180.D
Acq: 19 Mar 2019 10:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 55272
Ion Ratio Lower Upper
91 100
126 31.8 17.5 52.6

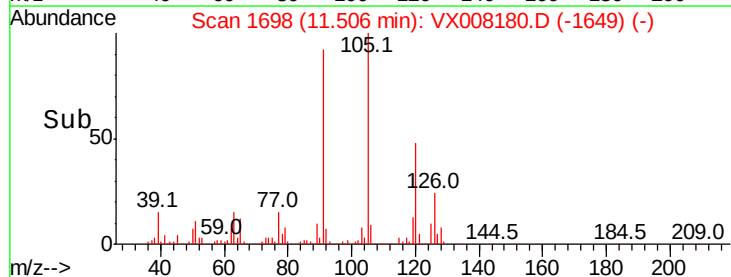
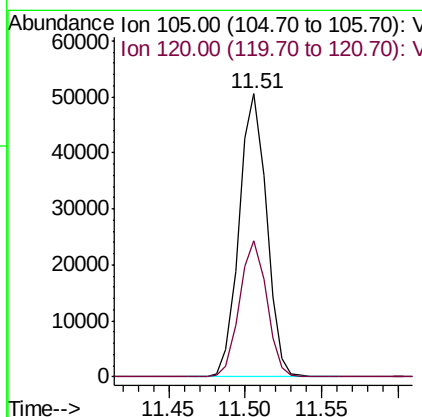
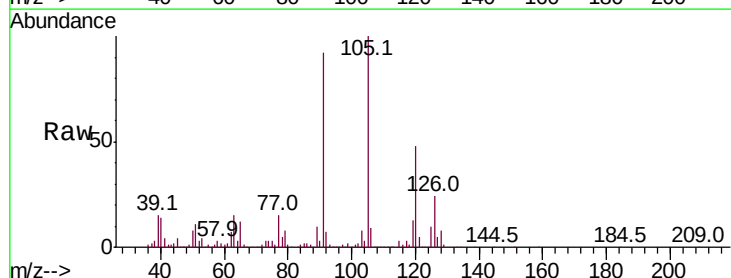
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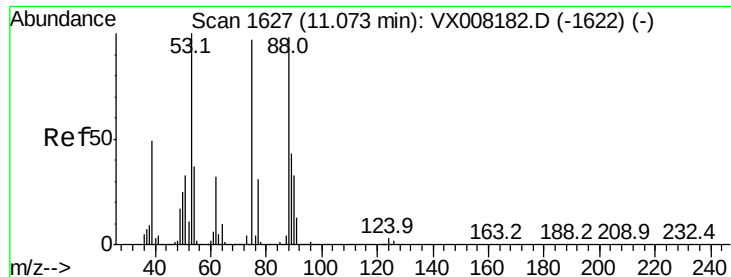
MMDadoda
3/20/2019 10:26:41 AM



#80
1,3,5-Trimethylbenzene
Concen: 4.171 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX008180.D
Acq: 19 Mar 2019 10:19

Tgt Ion: 105 Resp: 63263
Ion Ratio Lower Upper
105 100
120 47.8 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 3.371 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX008180.D

Acq: 19 Mar 2019 10:19

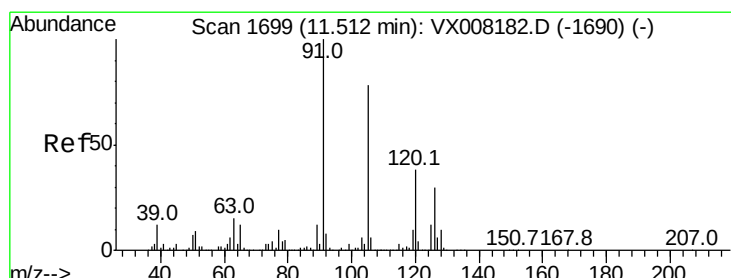
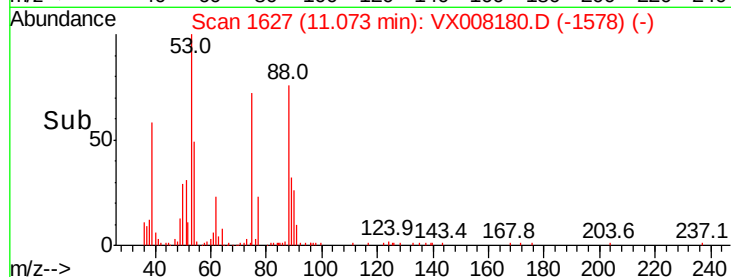
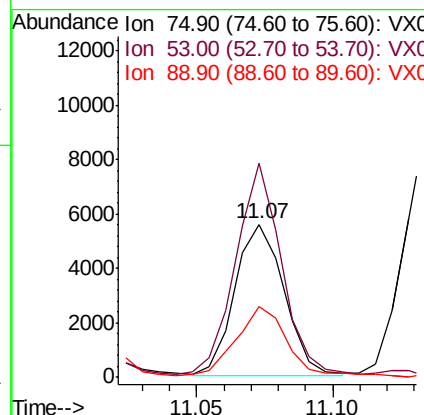
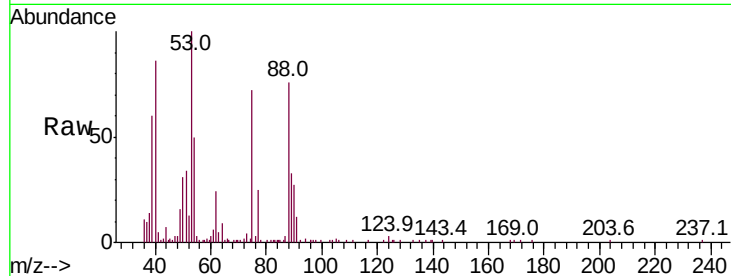
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 75 Resp: 7036

Ion	Ratio	Lower	Upper
75	100		
53	127.7	76.1	114.1#
89	50.2	36.3	54.5

Manual Integrations
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#82

4-Chlorotoluene

Concen: 4.176 ug/l

RT: 11.51 min Scan# 1698

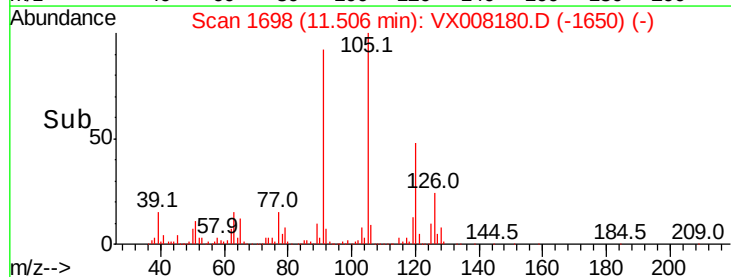
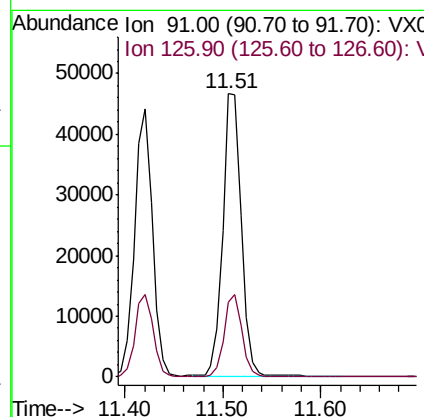
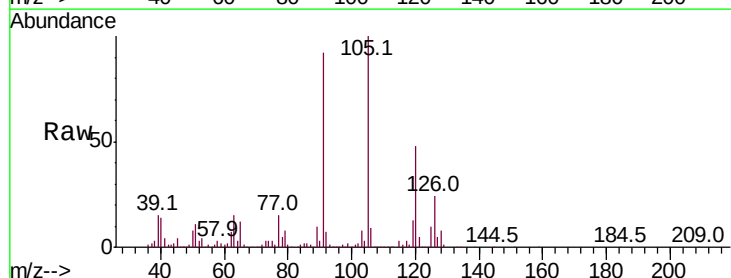
Delta R.T. -0.01 min

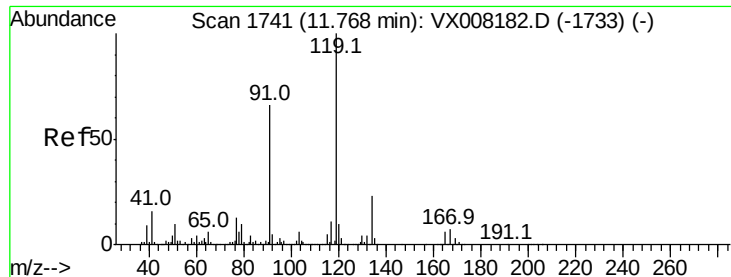
Lab File: VX008180.D

Acq: 19 Mar 2019 10:19

Tgt Ion: 91 Resp: 61233

Ion	Ratio	Lower	Upper
91	100		
126	28.2	15.6	46.8





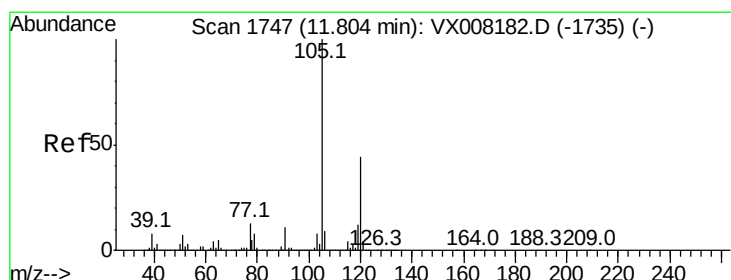
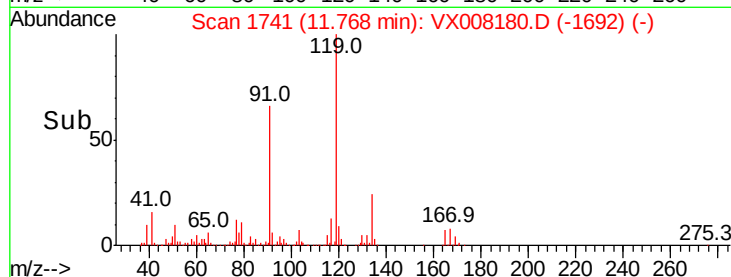
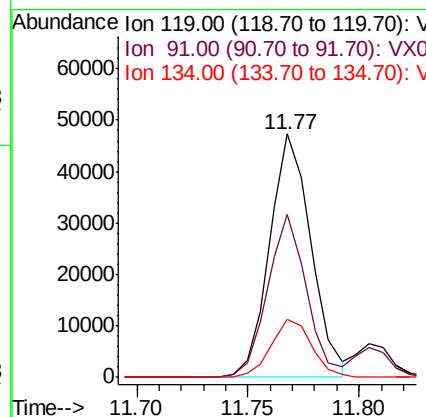
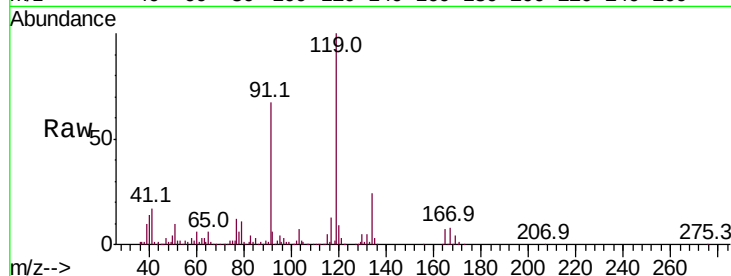
#83
 tert-Butylbenzene
 Concen: 4.291 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX008180.D
 Acq: 19 Mar 2019 10:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.0	27.1	81.3
134	23.7	11.4	34.1

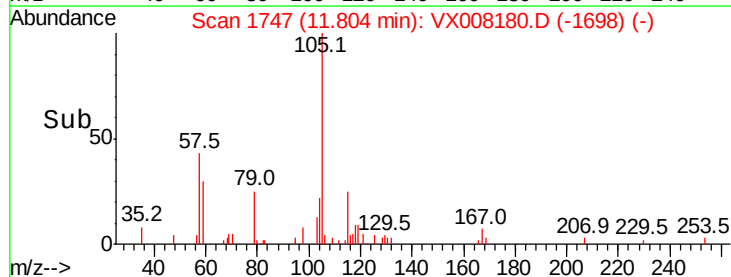
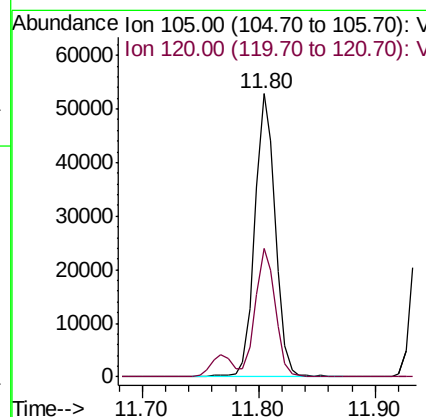
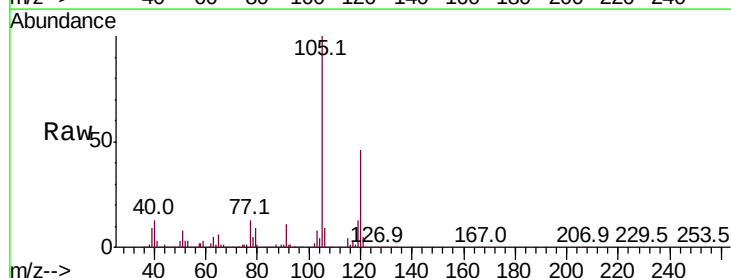
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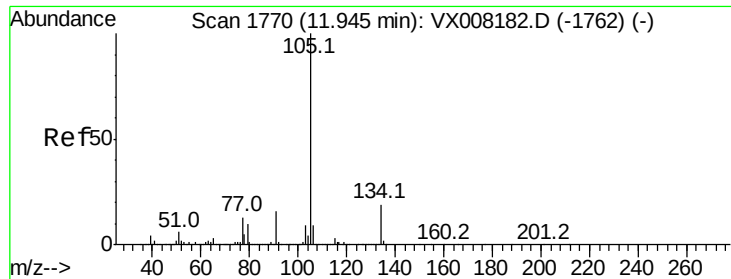
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#84
 1,2,4-Trimethylbenzene
 Concen: 4.180 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX008180.D
 Acq: 19 Mar 2019 10:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.2	22.6	67.7





#85

sec-Butylbenzene

Concen: 4.164 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX008180.D

Acq: 19 Mar 2019 10:19

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 74990

Ion Ratio Lower Upper

105 100

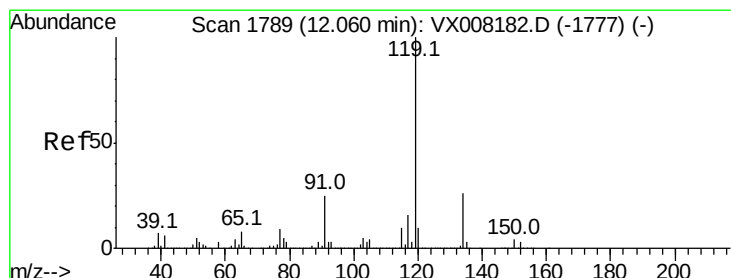
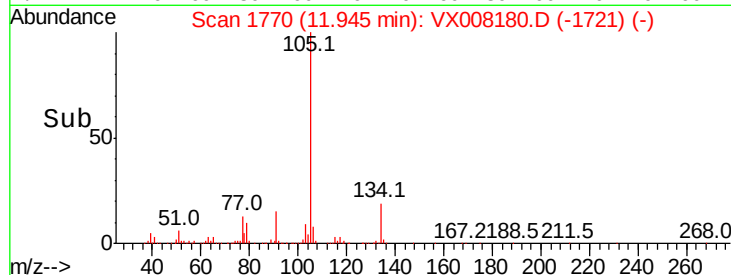
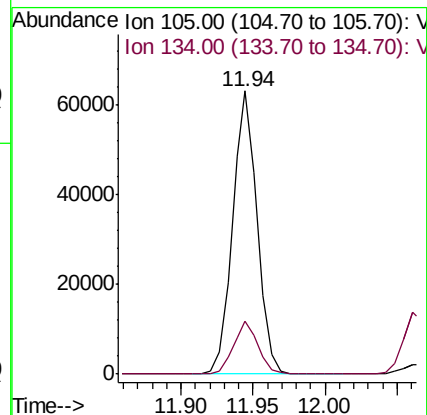
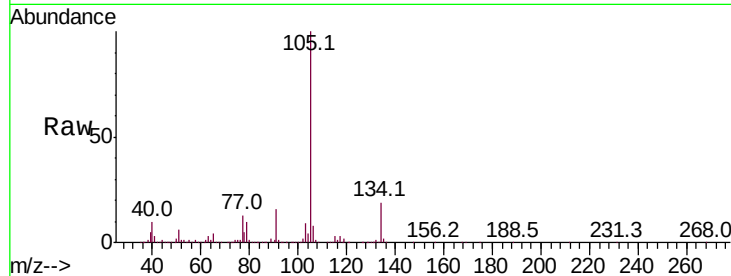
134 19.0 10.4 31.2

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#86

p-Isopropyltoluene

Concen: 4.081 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX008180.D

Acq: 19 Mar 2019 10:19

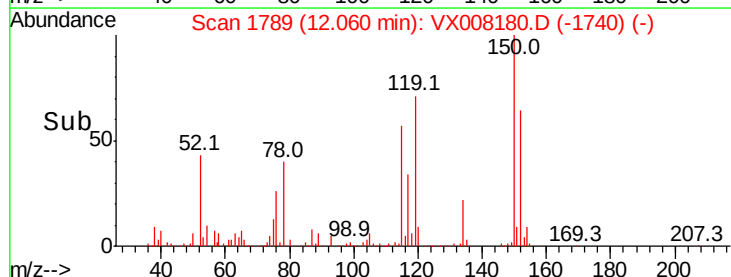
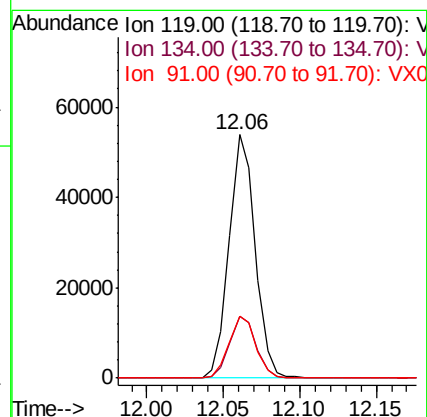
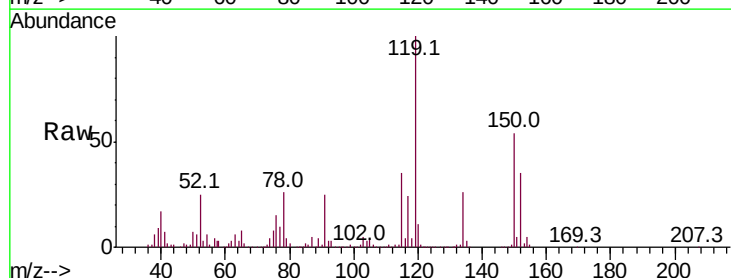
Tgt Ion:119 Resp: 63702

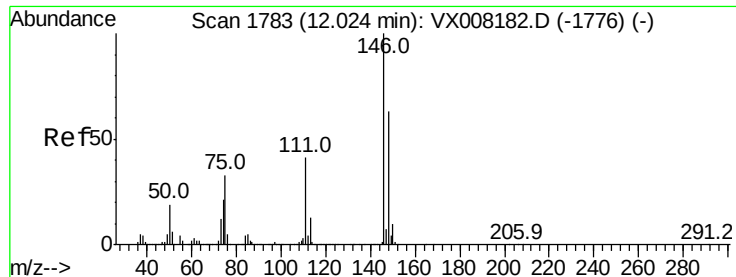
Ion Ratio Lower Upper

119 100

134 26.1 13.3 39.9

91 26.8 10.9 32.7





#87

1,3-Dichlorobenzene

Concen: 4.280 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX008180.D

Acq: 19 Mar 2019 10:19

Instrument :

MSVOA_X

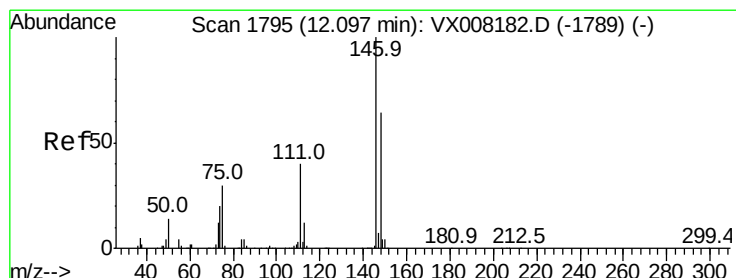
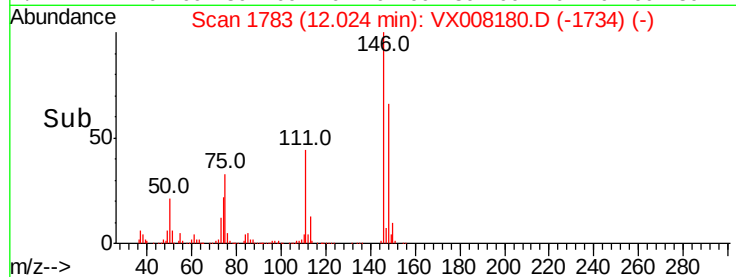
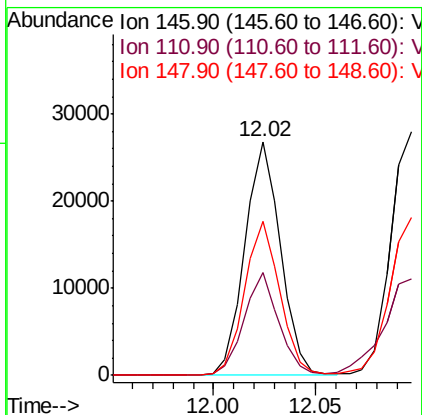
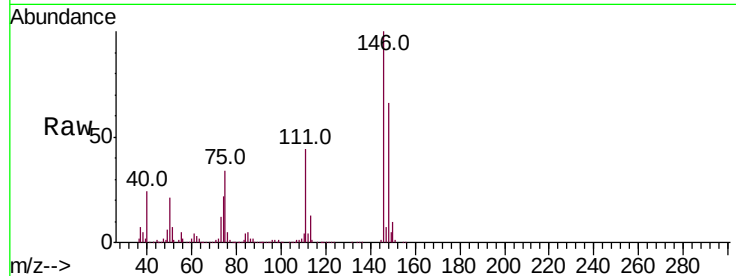
ClientSampleId :

VSTDIC005

Tot Ion:	146	Resp:	32701
Ion Ratio	Lower	Upper	
146	100		
111	43.1	18.9	56.7
148	65.1	31.7	95.1

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#88

1,4-Dichlorobenzene

Concen: 4.453 ug/l

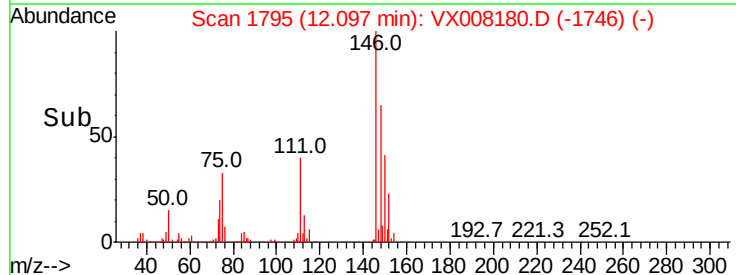
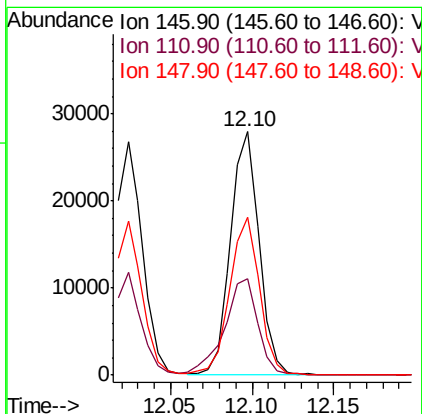
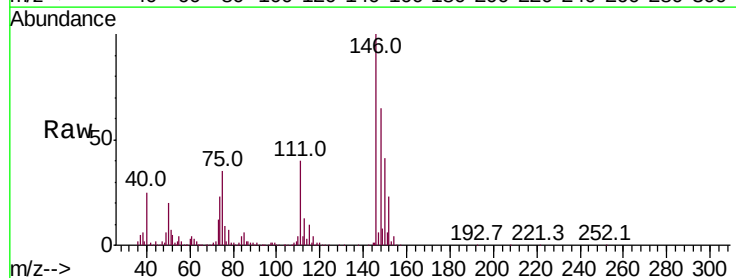
RT: 12.10 min Scan# 1795

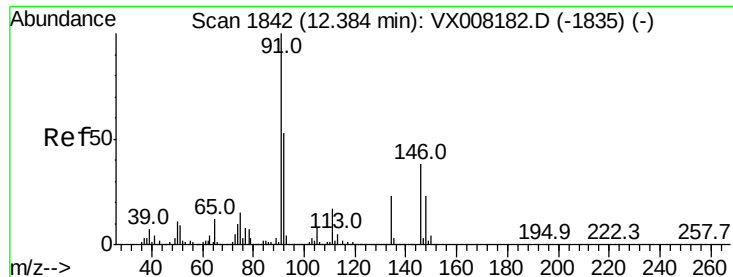
Delta R.T. 0.00 min

Lab File: VX008180.D

Acq: 19 Mar 2019 10:19

Tgt Ion:	146	Resp:	34057
Ion Ratio	Lower	Upper	
146	100		
111	46.7	18.4	55.0
148	67.9	32.2	96.6





#89

n-Butylbenzene

Concen: 3.801 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX008180.D

Acq: 19 Mar 2019 10:19

Instrument :

MSVOA_X

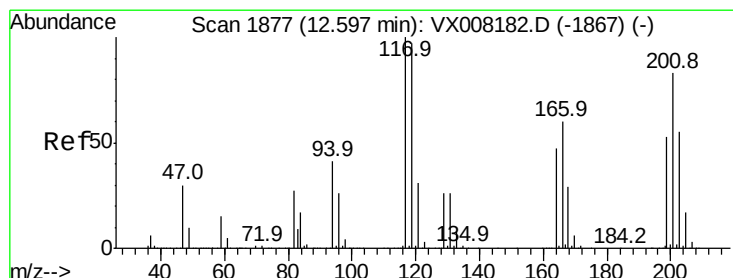
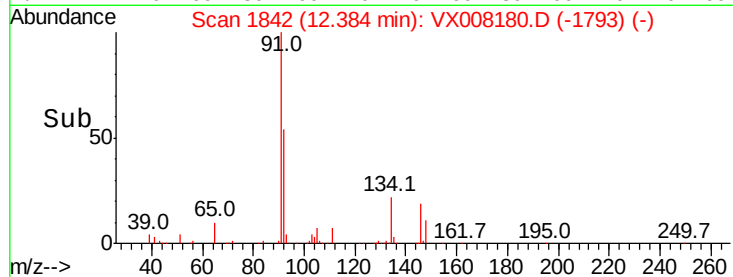
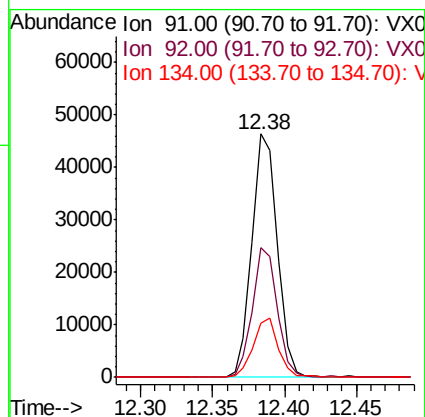
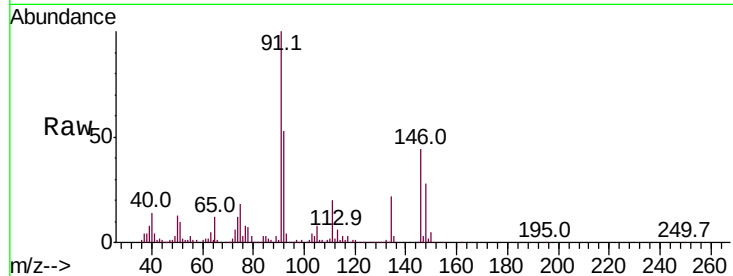
ClientSampleId :

VSTDIC005

Tot Ion:	91	Resp:	56428
Ion	Ratio	Lower	Upper
91	100		
92	52.4	27.0	80.8
134	23.8	13.7	41.0

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#90

Hexachloroethane

Concen: 3.816 ug/l

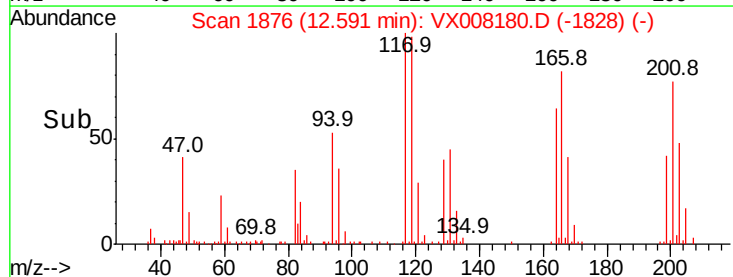
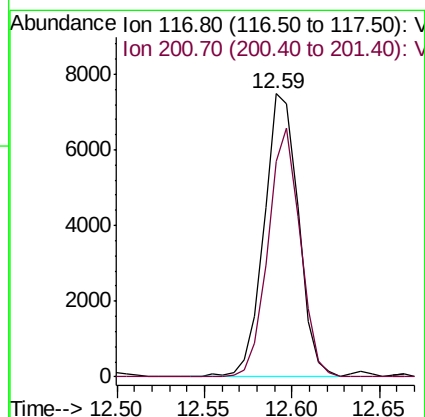
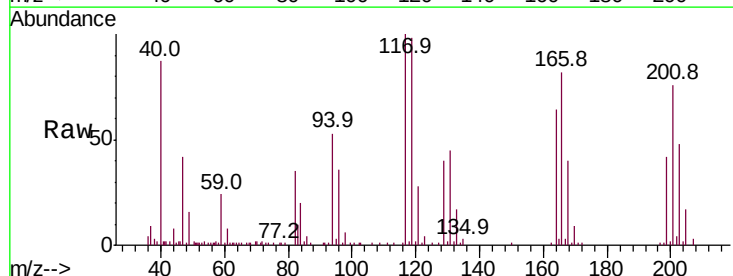
RT: 12.59 min Scan# 1876

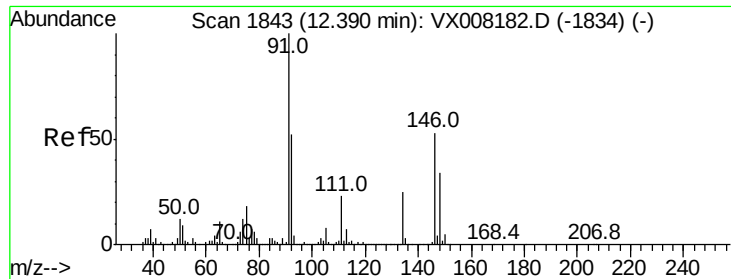
Delta R.T. -0.01 min

Lab File: VX008180.D

Acq: 19 Mar 2019 10:19

Tgt Ion:	117	Resp:	10240
Ion	Ratio	Lower	Upper
117	100		
201	82.0	48.9	146.7





#91

1,2-Dichlorobenzene

Concen: 4.498 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX008180.D

Acq: 19 Mar 2019 10:19

Instrument :

MSVOA_X

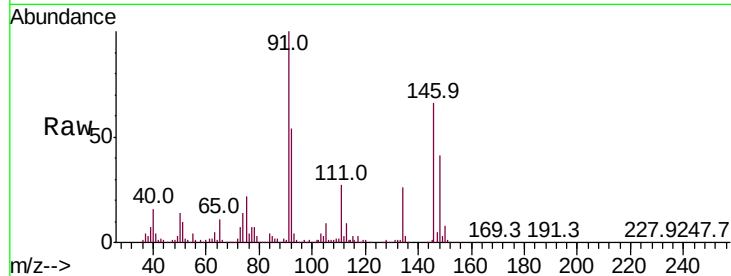
ClientSampleId :

VSTDIC005

Tot Ion:	146	Resp:	34246
Ion Ratio	Lower	Upper	
146	100		
111	43.0	19.6	58.8
148	63.7	31.9	95.5

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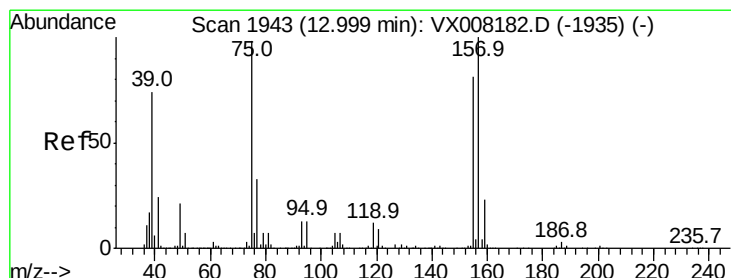
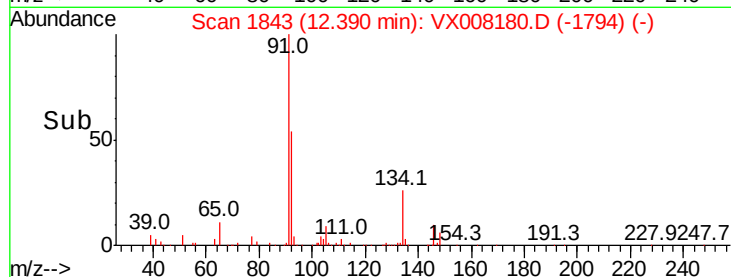
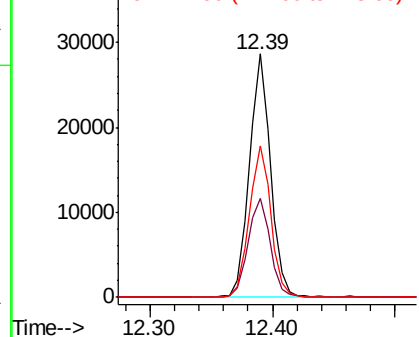


Abundance

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



#92

1,2-Dibromo-3-Chloropropane

Concen: 4.055 ug/l

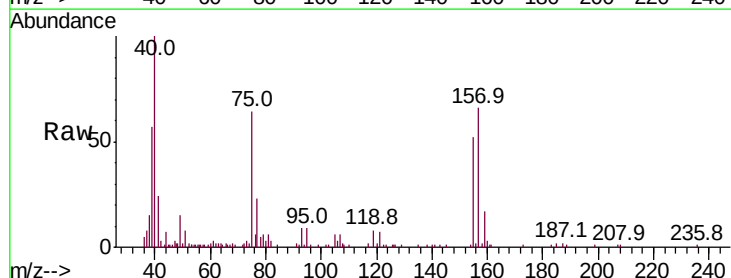
RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX008180.D

Acq: 19 Mar 2019 10:19

Tgt Ion:	75	Resp:	5756
Ion Ratio	Lower	Upper	
75	100		
155	79.1	49.7	149.1
157	101.2	63.8	191.4

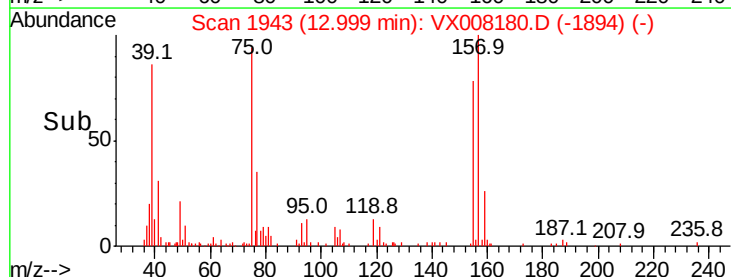
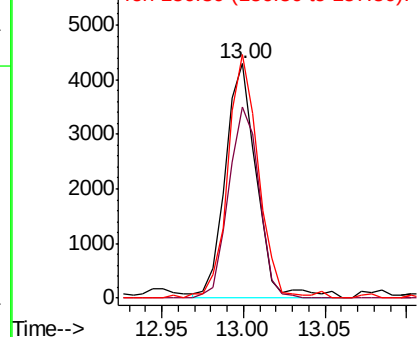


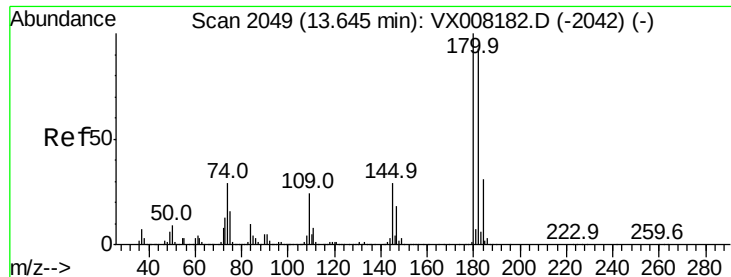
Abundance

Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





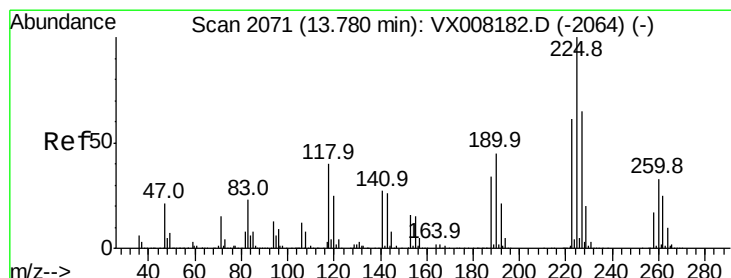
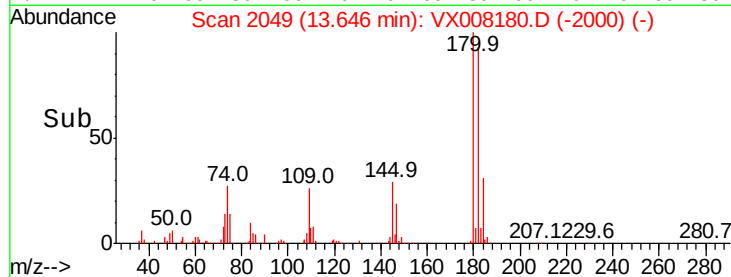
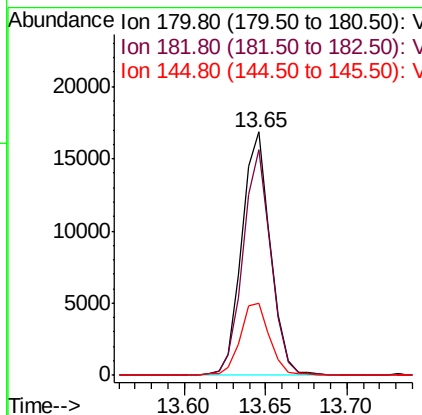
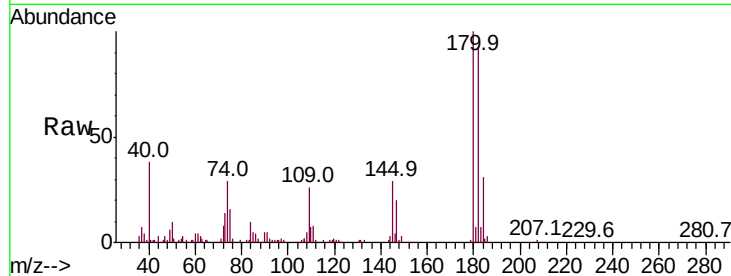
#93
1,2,4-Trichlorobenzene
Concen: 4.022 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. 0.00 min
Lab File: VX008180.D
Acq: 19 Mar 2019 10:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	91.1	47.9	143.7	
145	30.8	14.1	42.4	

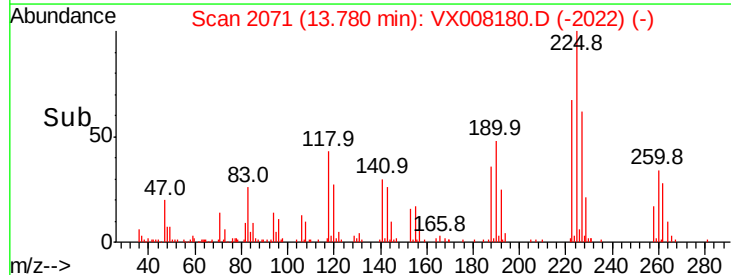
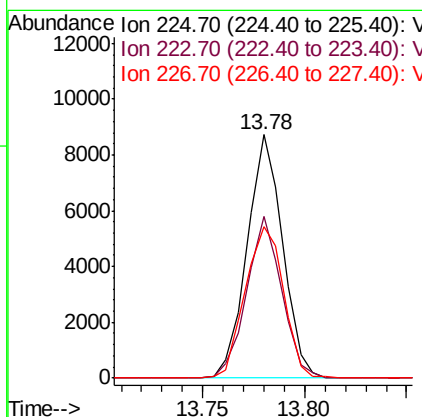
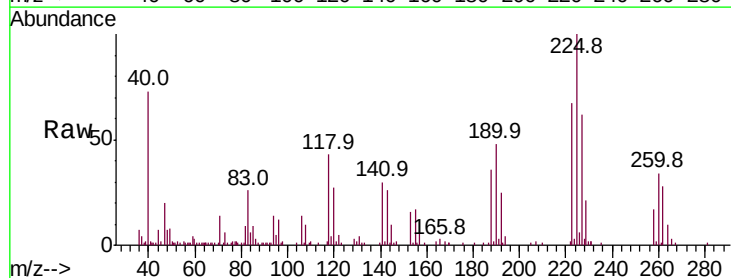
Manual Integrations
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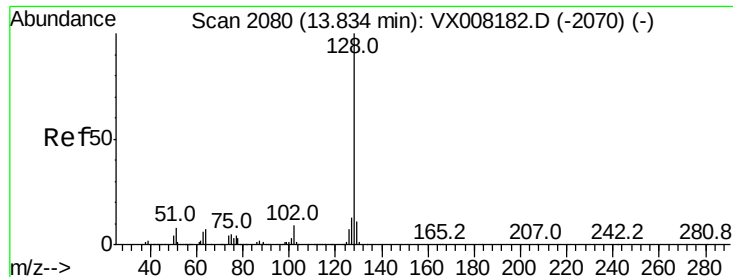
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#94
Hexachlorobutadiene
Concen: 4.232 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. 0.00 min
Lab File: VX008180.D
Acq: 19 Mar 2019 10:19

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	65.3	31.1	93.2	
227	67.1	32.0	96.0	





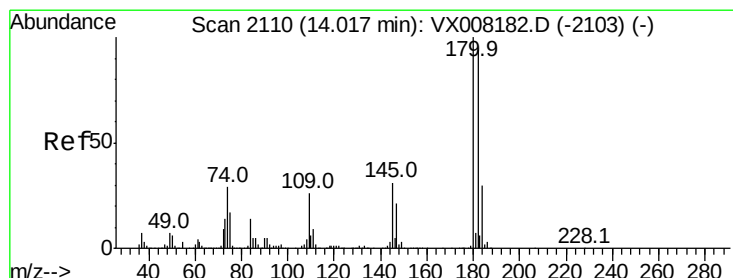
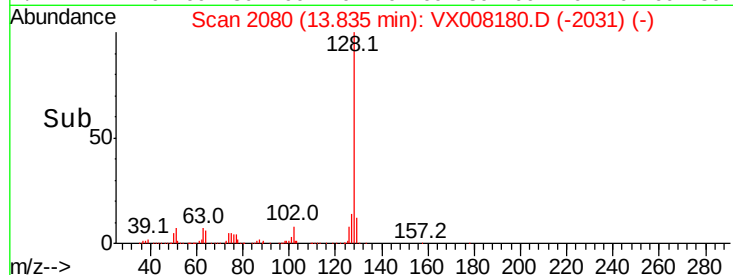
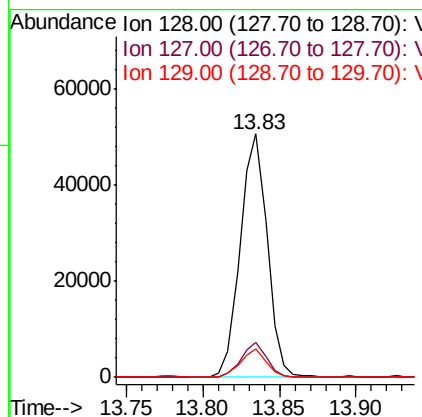
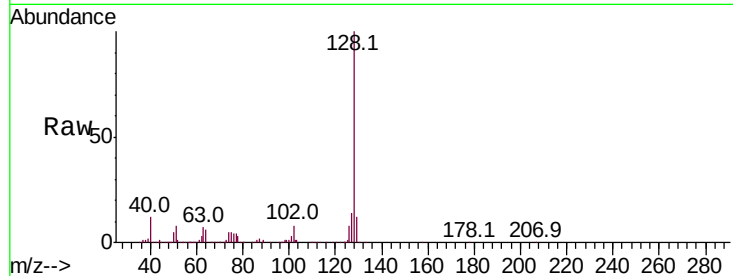
#95
Naphthalene
Concen: 3.687 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX008180.D
Acq: 19 Mar 2019 10:19

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.3	15.5
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/20/2019 10:26:41 AM



#96
1,2,3-Trichlorobenzene
Concen: 4.107 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX008180.D
Acq: 19 Mar 2019 10:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.5	142.5
145	32.6	14.8	44.3

