

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX070819\
 Data File : VX010685.D
 Acq On : 08 Jul 2019 10:37
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/9/2019 11:10:49 AM

Quant Time: Jul 09 01:20:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	255667	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	369736	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	340964	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	184318	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	115965	48.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.76%	
35) Dibromofluoromethane	5.49	113	109361	48.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.68%	
50) Toluene-d8	8.71	98	405947	46.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.82%	
62) 4-Bromofluorobenzene	11.13	95	154556	49.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.92%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.20	85	107894	60.701	ug/l	99
3) Chloromethane	1.32	50	107890	52.127	ug/l	98
4) Vinyl Chloride	1.41	62	116282	51.293	ug/l	99
5) Bromomethane	1.64	94	58659	53.112	ug/l	99
6) Chloroethane	1.71	64	75487	56.439	ug/l	97
7) Trichlorofluoromethane	1.93	101	199257	55.446	ug/l	99
8) Diethyl Ether	2.19	74	67068	52.040	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	116034	53.280	ug/l	99
10) Methyl Iodide	2.51	142	149370	48.059	ug/l	97
11) Tert butyl alcohol	3.04	59	134152	213.873	ug/l	98
12) 1,1-Dichloroethene	2.37	96	110425	49.829	ug/l	95
13) Acrolein	2.29	56	102722	246.867	ug/l	99
14) Allyl chloride	2.73	41	165455	52.589	ug/l	97
15) Acrylonitrile	3.14	53	307385	247.515	ug/l	99
16) Acetone	2.44	43	367681	306.052	ug/l	97
17) Carbon Disulfide	2.57	76	300041	50.466	ug/l	99
18) Methyl Acetate	2.77	43	119087	49.736	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	357780	51.320	ug/l	98
20) Methylene Chloride	2.85	84	126554	51.188	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	119817	50.271	ug/l	98
22) Diisopropyl ether	3.85	45	339840	51.663	ug/l	97
23) Vinyl Acetate	3.81	43	1533251	269.814	ug/l	99
24) 1,1-Dichloroethane	3.69	63	196331	51.635	ug/l	99
25) 2-Butanone	4.67	43	463495	263.012	ug/l	100
26) 2,2-Dichloropropane	4.57	77	175206	53.044	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	137281	49.844	ug/l	97
28) Bromochloromethane	5.01	49	87237	47.987	ug/l	97
29) Tetrahydrofuran	5.12	42	265950	243.643	ug/l	99
30) Chloroform	5.21	83	210737	51.512	ug/l	100
31) Cyclohexane	5.57	56	182201	52.621	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	189905	52.571	ug/l	99
36) 1,1-Dichloropropene	5.79	75	156453	53.249	ug/l	98
37) Ethyl Acetate	4.82	43	158461	52.425	ug/l	100
38) Carbon Tetrachloride	5.78	117	172787	54.308	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	208407	53.962	ug/l	98
40) Benzene	6.13	78	473834	51.764	ug/l	100
41) Methacrylonitrile	5.04	41	85984	51.846	ug/l	98
42) 1,2-Dichloroethane	6.19	62	158880	57.020	ug/l	97
43) Isopropyl Acetate	6.44	43	265717	53.134	ug/l	98
44) Trichloroethene	7.21	130	141855	51.791	ug/l	100
45) 1,2-Dichloropropane	7.51	63	118734	51.365	ug/l	100
46) Dibromomethane	7.66	93	87437	52.721	ug/l	97
47) Bromodichloromethane	7.89	83	162766	53.552	ug/l	100
48) Methyl methacrylate	7.76	41	125263	53.888	ug/l	98
49) 1,4-Dioxane	7.74	88	65891	984.002	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	847708	265.044	ug/l	99
52) Toluene	8.78	92	314595	52.189	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	183898	53.968	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	198204	53.524	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	128906	51.851	ug/l	99
56) Ethyl methacrylate	9.18	69	196414	52.153	ug/l	95
57) 1,3-Dichloropropane	9.37	76	204287	52.936	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	432752	241.948	ug/l	100
59) 2-Hexanone	9.49	43	685139	272.179	ug/l	98
60) Dibromochloromethane	9.58	129	147528	52.999	ug/l	100
61) 1,2-Dibromoethane	9.67	107	143195	53.363	ug/l	98
64) Tetrachloroethene	9.34	164	138598	50.257	ug/l	97
65) Chlorobenzene	10.13	112	355559	51.365	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	132860	52.692	ug/l	100
67) Ethyl Benzene	10.25	91	618693	52.942	ug/l	99
68) m/p-Xylenes	10.35	106	483832	106.850	ug/l	98
69) o-Xylene	10.69	106	231440	51.974	ug/l	97
70) Styrene	10.71	104	402702	53.925	ug/l	98
71) Bromoform	10.85	173	115451	52.652	ug/l	99
73) Isopropylbenzene	11.02	105	627844	50.250	ug/l	99
74) N-amyl acetate	10.90	43	247035	52.316	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	200119	48.363	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	171481m	51.055	ug/l	
77) Bromobenzene	11.26	156	171227	49.079	ug/l	98
78) n-propylbenzene	11.36	91	722720	52.630	ug/l	99
79) 2-Chlorotoluene	11.42	91	415640	50.830	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	535882	52.026	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	68327	47.458	ug/l	94
82) 4-Chlorotoluene	11.51	91	489024	52.557	ug/l	99
83) tert-Butylbenzene	11.77	119	532973	51.554	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	545056	52.670	ug/l	100
85) sec-Butylbenzene	11.94	105	630124	51.912	ug/l	99
86) p-Isopropyltoluene	12.06	119	591325	52.667	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	310237	50.942	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	308607	49.776	ug/l	99
89) n-Butylbenzene	12.38	91	517567	54.248	ug/l	100
90) Hexachloroethane	12.59	117	100507	51.770	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	299036	49.406	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	43701	48.985	ug/l	91

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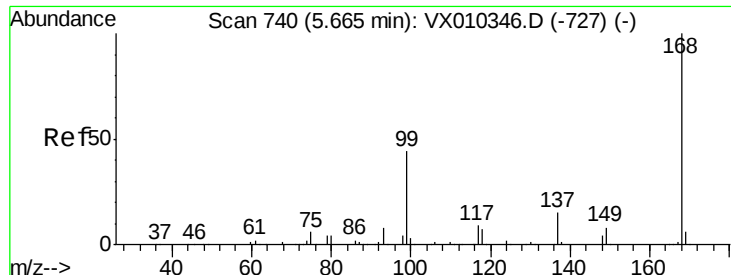
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	214021	50.989	ug/l	100
94) Hexachlorobutadiene	13.78	225	108135	52.712	ug/l	99
95) Naphthalene	13.83	128	630114	48.850	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	211225	50.613	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010685.D

Acq: 08 Jul 2019 10:37

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tgt Ion:168 Resp: 255667

Ion Ratio Lower Upper

168 100

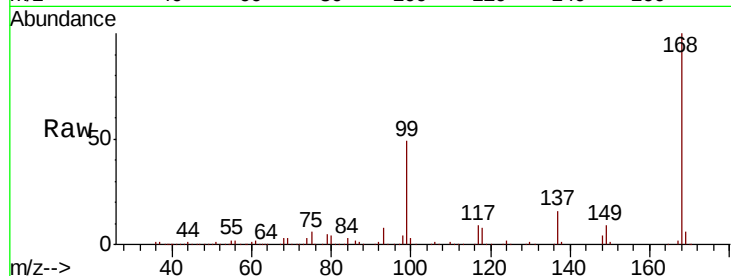
99 49.1 35.5 53.3

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

100000

80000

60000

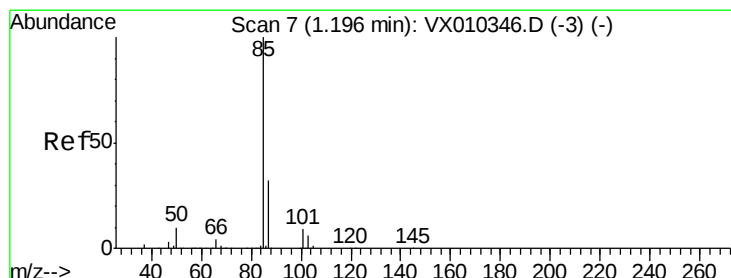
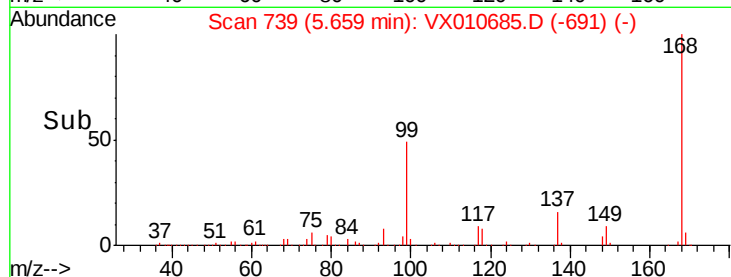
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 60.701 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010685.D

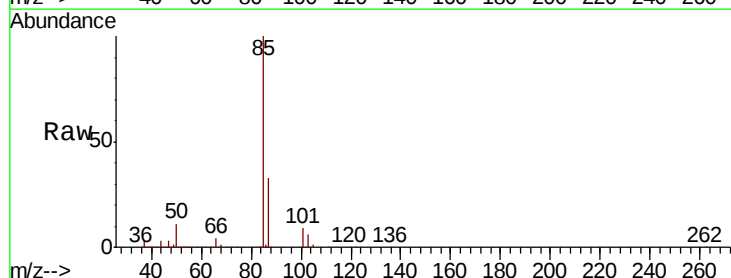
Acq: 08 Jul 2019 10:37

Tgt Ion: 85 Resp: 107894

Ion Ratio Lower Upper

85 100

87 33.3 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

120000

100000

80000

60000

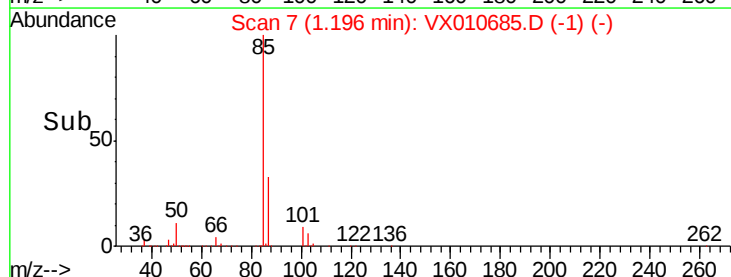
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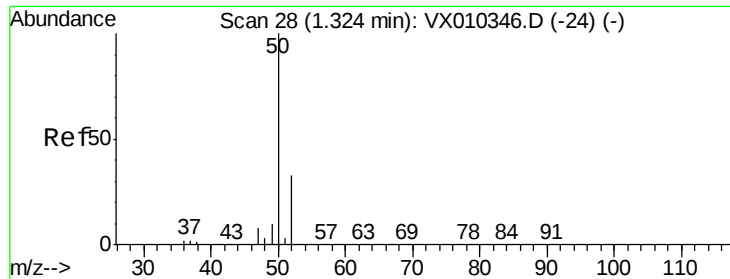
20000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 52.127 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010685.D

Acq: 08 Jul 2019 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 107890

Ion Ratio Lower Upper

50 100

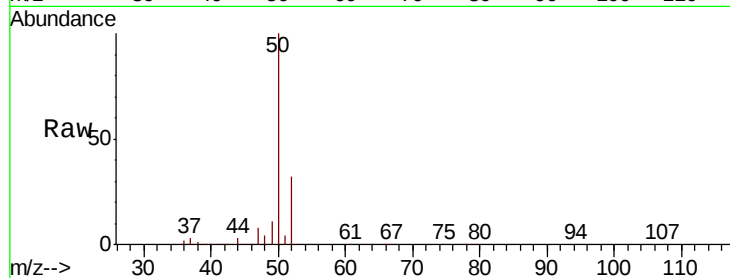
52 32.2 26.5 39.7

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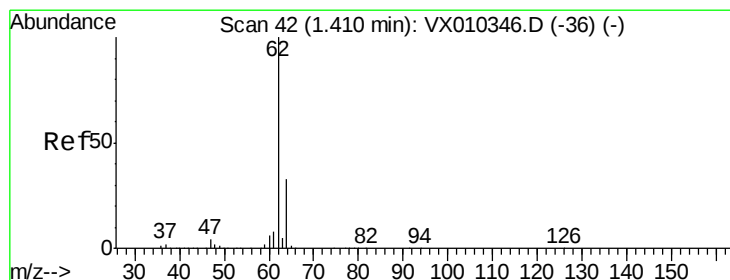
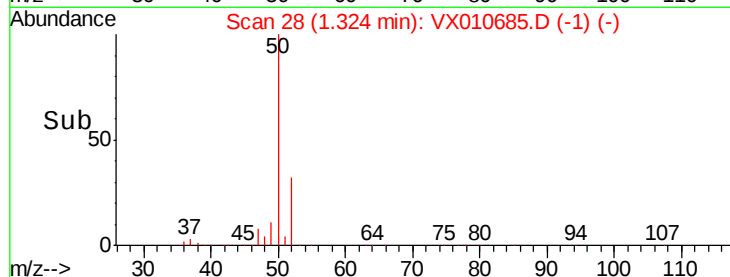
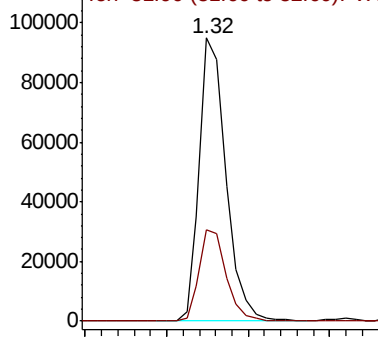
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 51.293 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010685.D

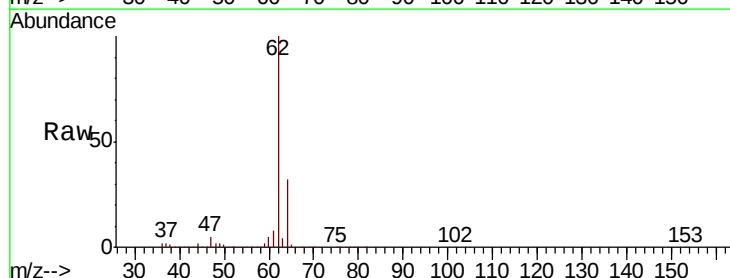
Acq: 08 Jul 2019 10:37

Tgt Ion: 62 Resp: 116282

Ion Ratio Lower Upper

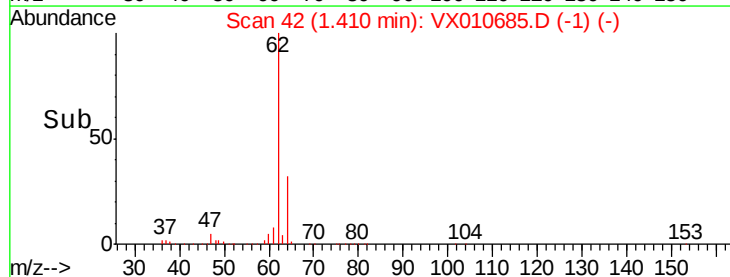
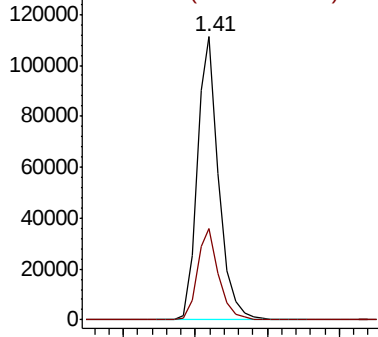
62 100

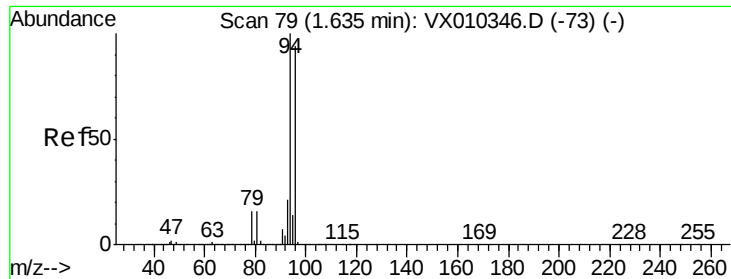
64 32.1 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 53.112 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX010685.D

Acq: 08 Jul 2019 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 94 Resp: 58659

Ion Ratio Lower Upper

94 100

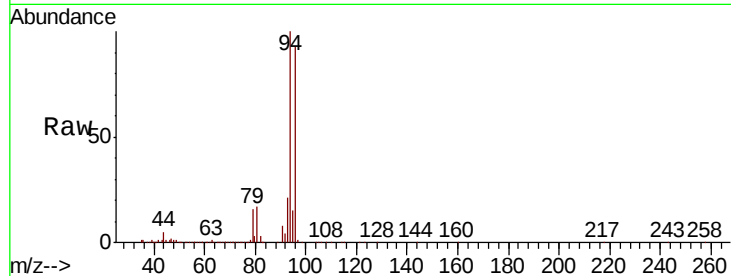
96 93.1 75.5 113.3

Manual Integrations

APPROVED

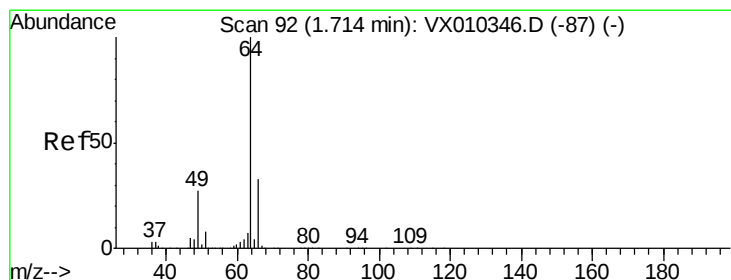
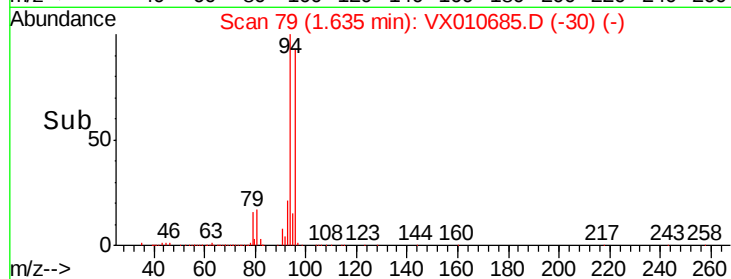
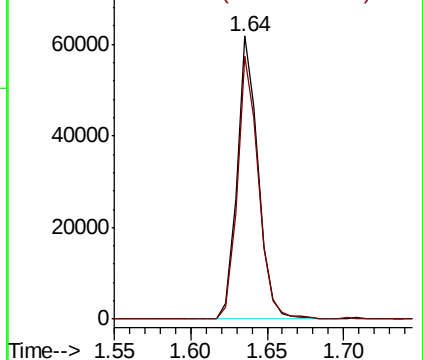
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 56.439 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX010685.D

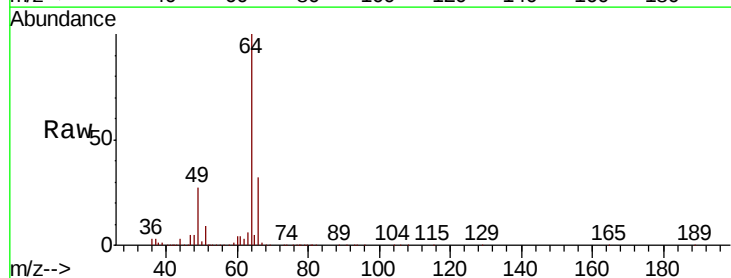
Acq: 08 Jul 2019 10:37

Tgt Ion: 64 Resp: 75487

Ion Ratio Lower Upper

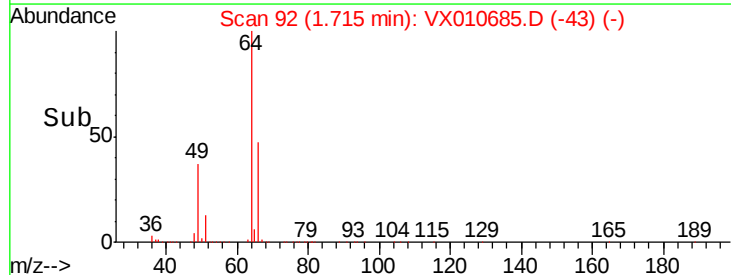
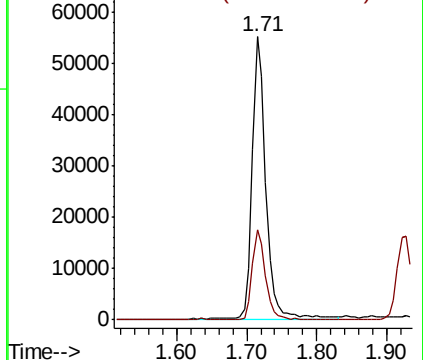
64 100

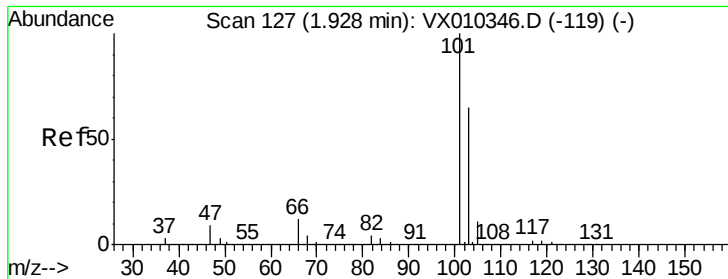
66 31.5 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

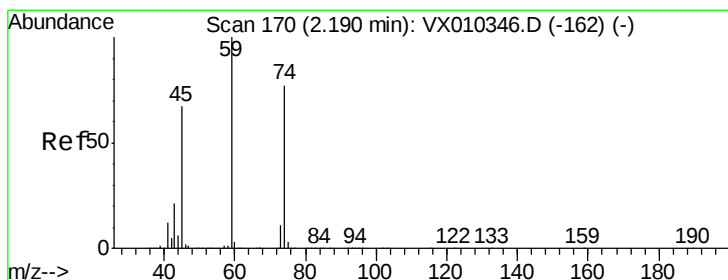
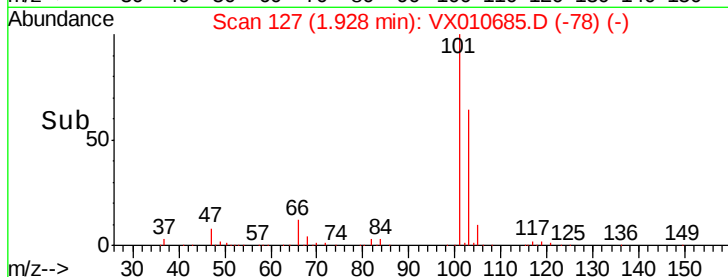
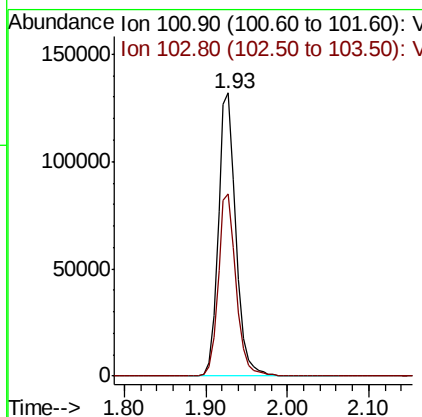
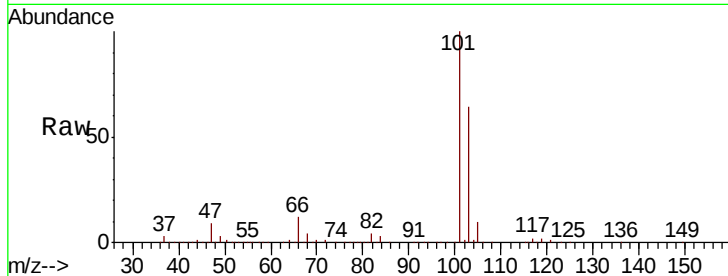
Trichlorofluoromethane
Concen: 55.446 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX010685.D
Acq: 08 Jul 2019 10:37

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
101	100		
103	64.3	52.3	78.5

Manual Integrations
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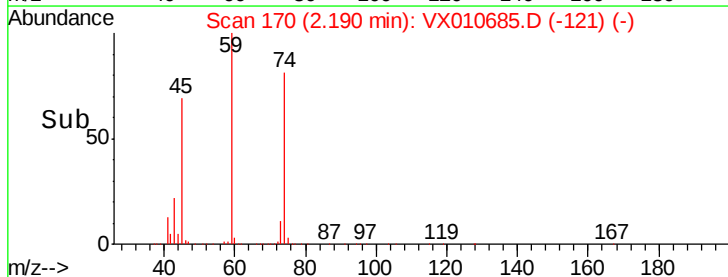
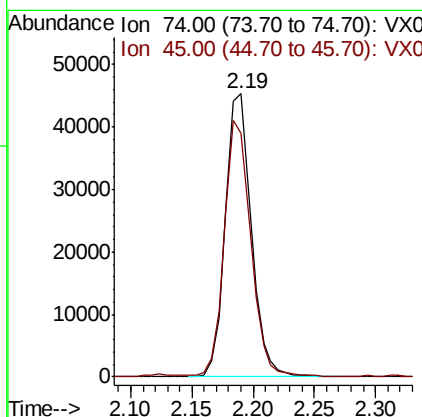
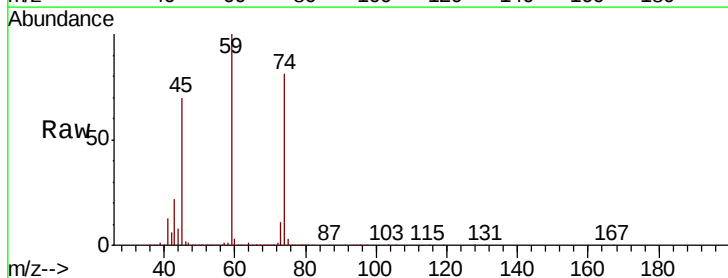
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7/9/2019 11:10:49 AM



#8

Diethyl Ether
Concen: 52.040 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX010685.D
Acq: 08 Jul 2019 10:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.3	44.8	134.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.280 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX010685.D

Acq: 08 Jul 2019 10:37

Instrument :

MSVOA_X

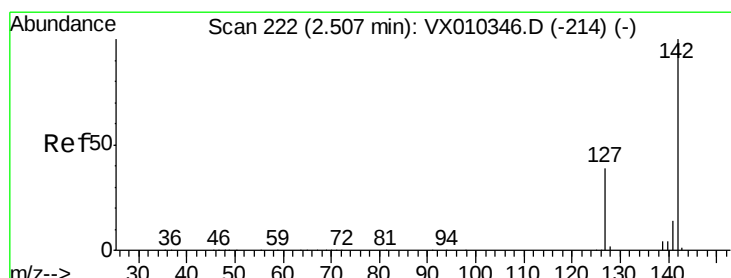
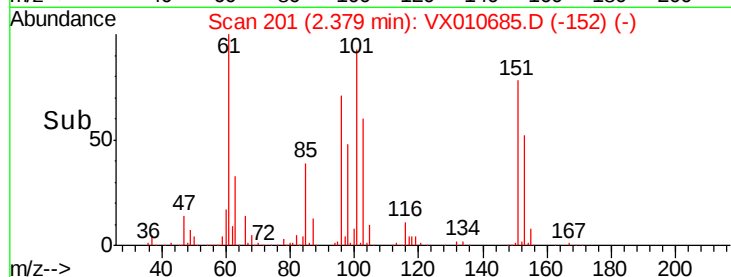
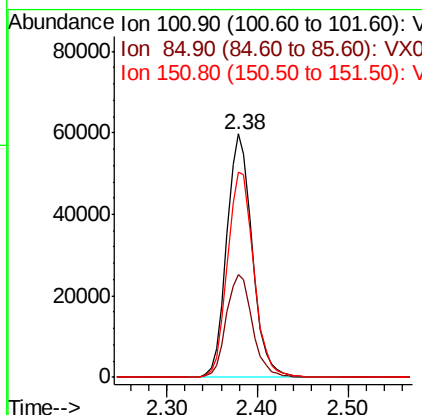
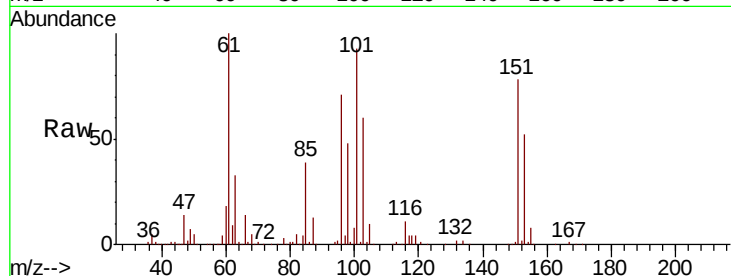
ClientSampleId :

VSTDCCC050

Tgt Ion:	101	Resp:	116034
Ion Ratio	Lower	Upper	
101	100		
85	43.4	33.7	50.5
151	87.4	70.1	105.1

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#10

Methyl Iodide

Concen: 48.059 ug/l

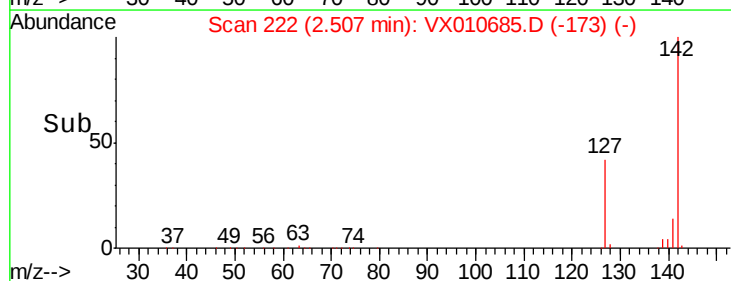
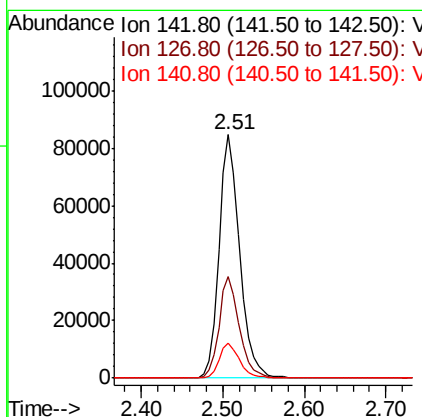
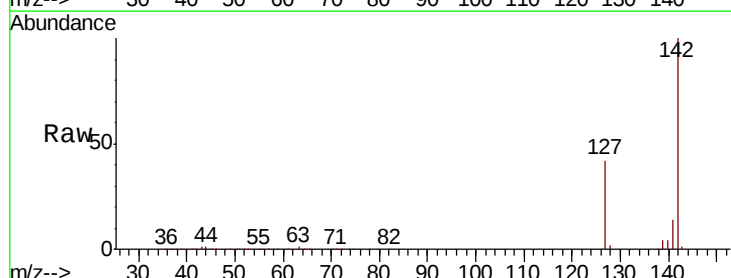
RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX010685.D

Acq: 08 Jul 2019 10:37

Tgt Ion:	142	Resp:	149370
Ion Ratio	Lower	Upper	
142	100		
127	41.1	31.1	46.7
141	14.1	11.2	16.8





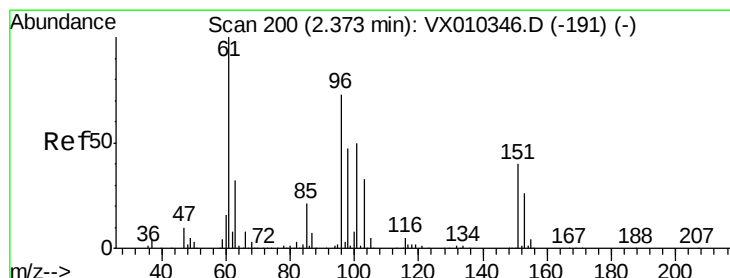
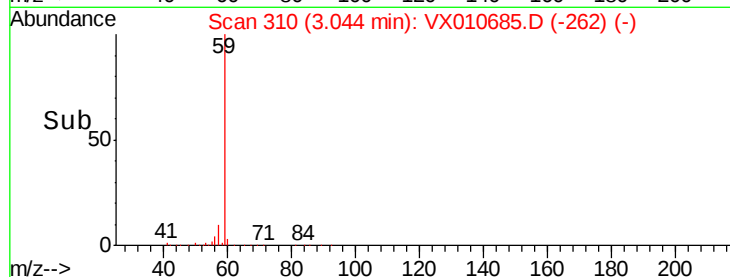
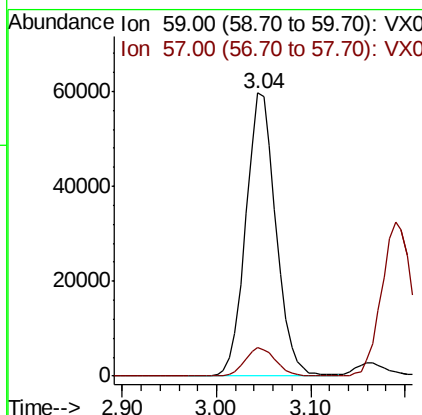
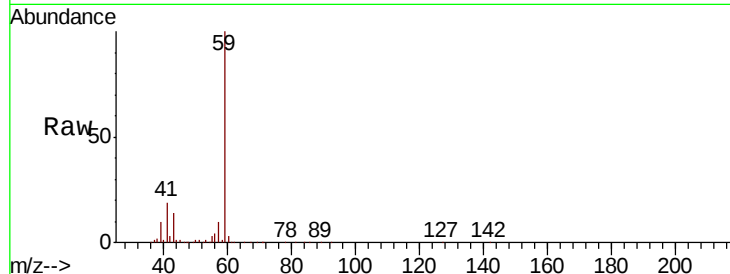
#11
Tert butyl alcohol
Concen: 213.873 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX010685.D
Acq: 08 Jul 2019 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 134152
Ion Ratio Lower Upper
59 100
57 10.4 7.7 11.5

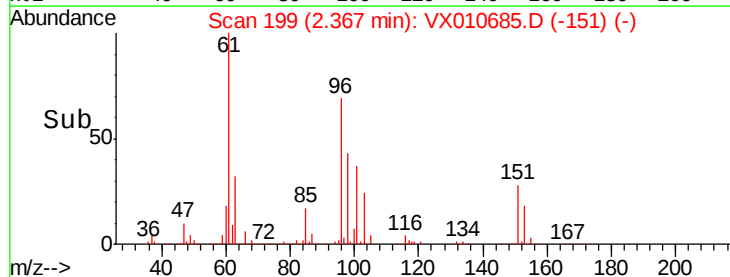
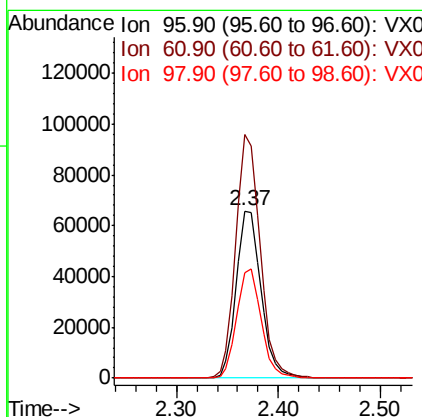
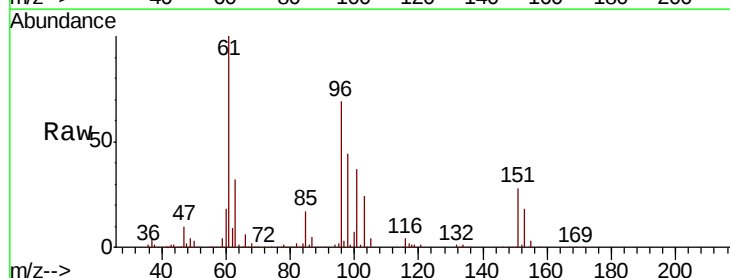
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#12
1,1-Dichloroethene
Concen: 49.829 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX010685.D
Acq: 08 Jul 2019 10:37

Tgt Ion: 96 Resp: 110425
Ion Ratio Lower Upper
96 100
61 145.7 109.2 163.8
98 63.4 51.1 76.7





#13

Acrolein

Concen: 246.867 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010685.D

Acq: 08 Jul 2019 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 102722

Ion Ratio Lower Upper

56 100

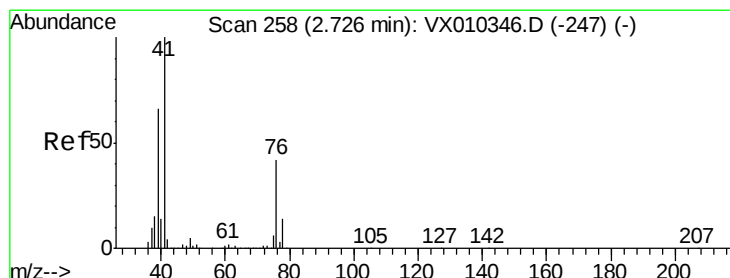
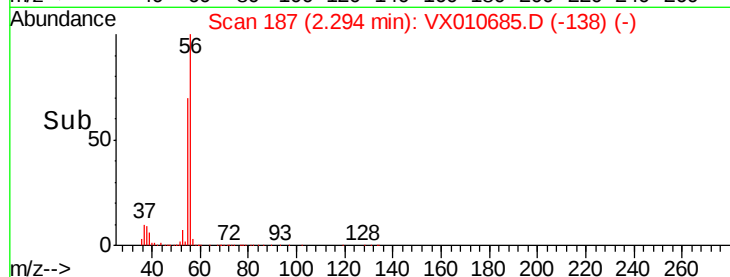
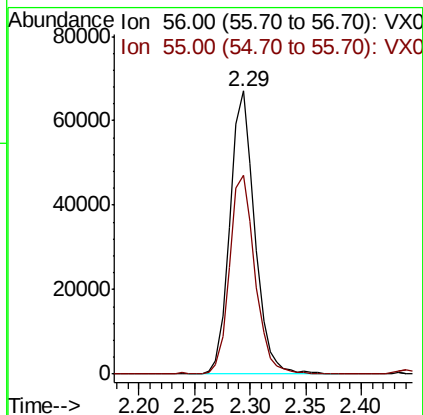
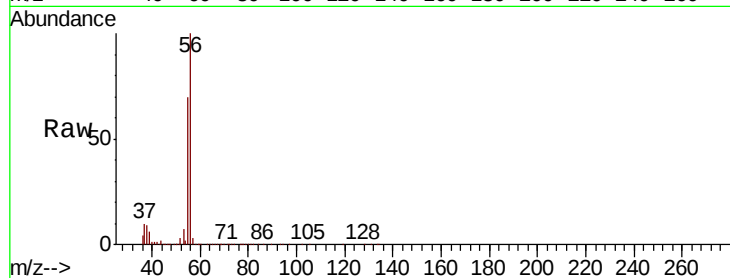
55 71.8 56.9 85.3

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#14

Allyl chloride

Concen: 52.589 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX010685.D

Acq: 08 Jul 2019 10:37

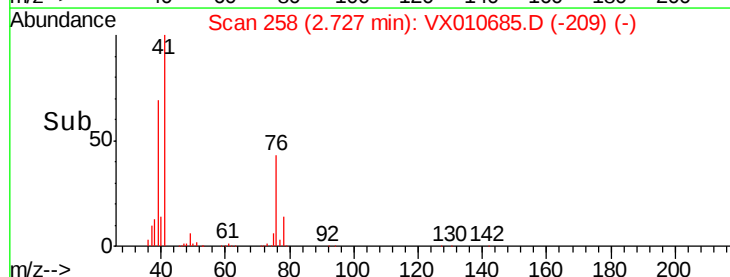
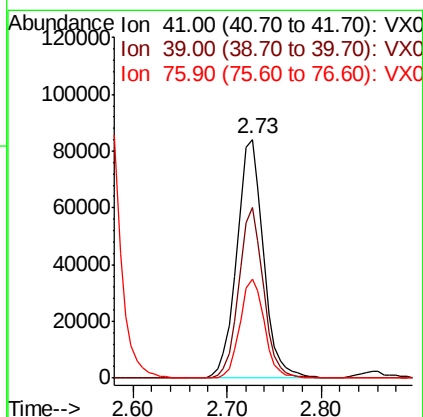
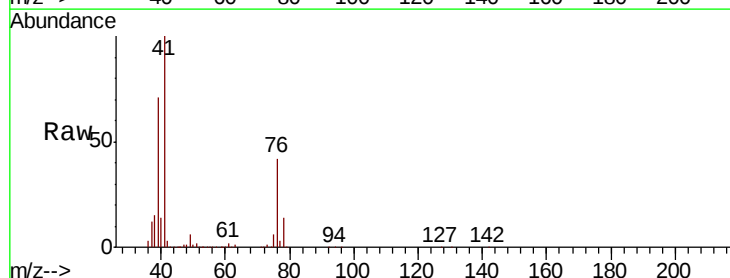
Tgt Ion: 41 Resp: 165455

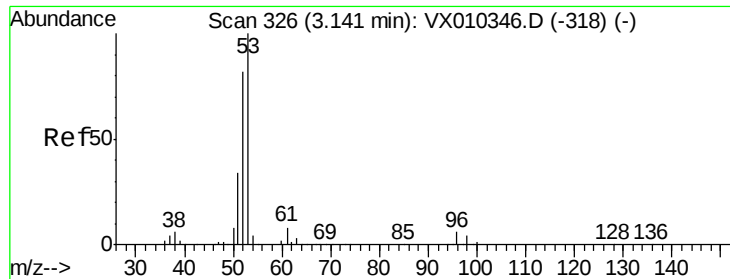
Ion Ratio Lower Upper

41 100

39 66.0 50.3 75.5

76 38.2 31.3 46.9





#15

Acrylonitrile

Concen: 247.515 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX010685.D

Acq: 08 Jul 2019 10:37

Instrument :

MSVOA_X

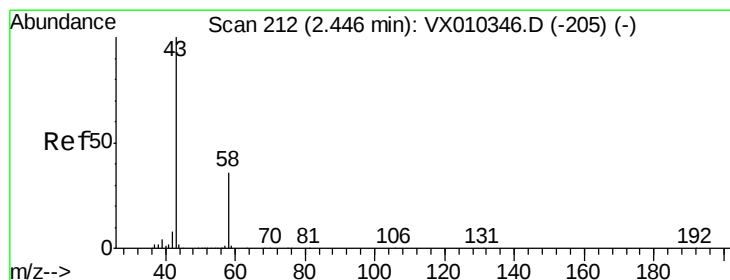
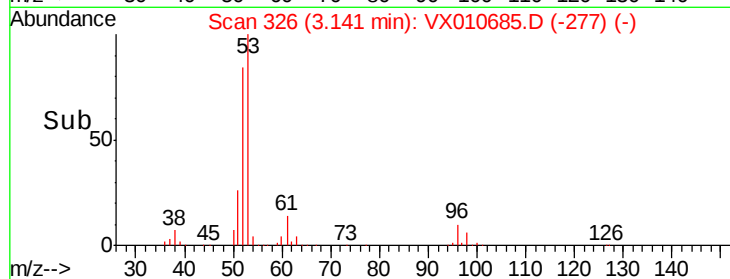
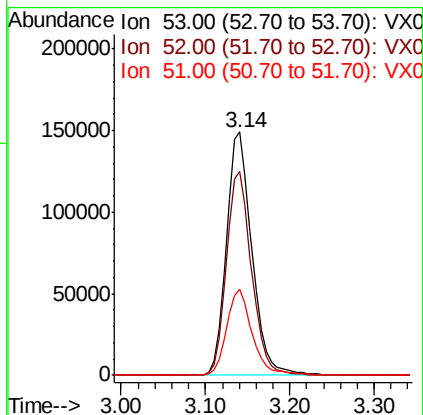
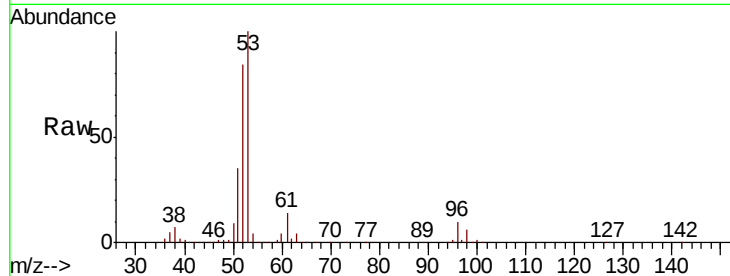
ClientSampleId :

VSTDCCC050

Tgt Ion:	53	Resp:	307385
Ion	Ratio	Lower	Upper
53	100		
52	82.5	65.5	98.3
51	35.2	28.2	42.4

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#16

Acetone

Concen: 306.052 ug/l

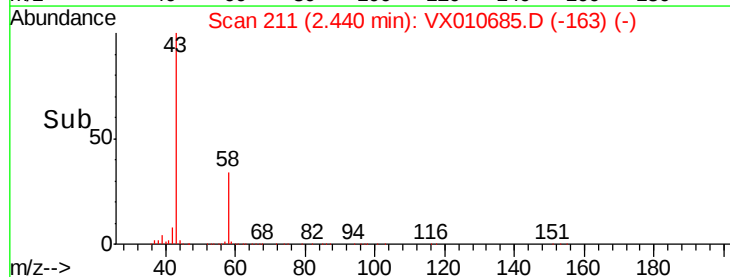
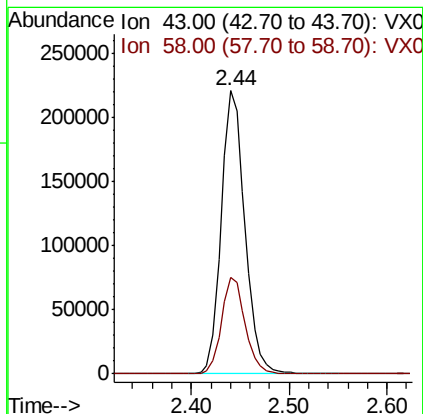
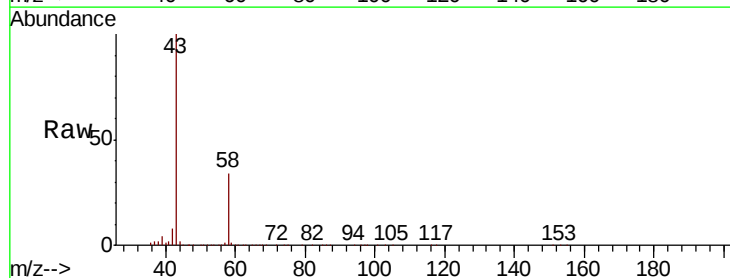
RT: 2.44 min Scan# 211

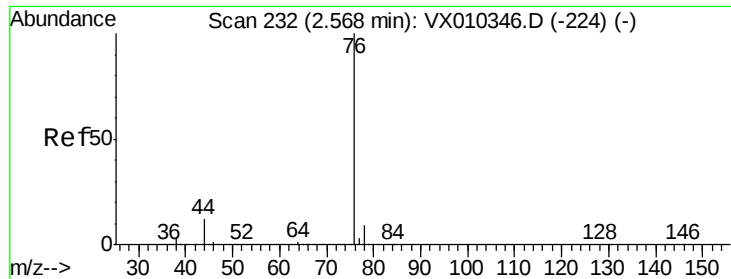
Delta R.T. -0.01 min

Lab File: VX010685.D

Acq: 08 Jul 2019 10:37

Tgt Ion:	43	Resp:	367681
Ion	Ratio	Lower	Upper
43	100		
58	34.1	28.9	43.3





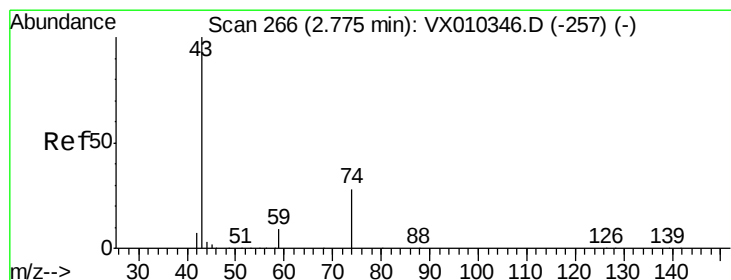
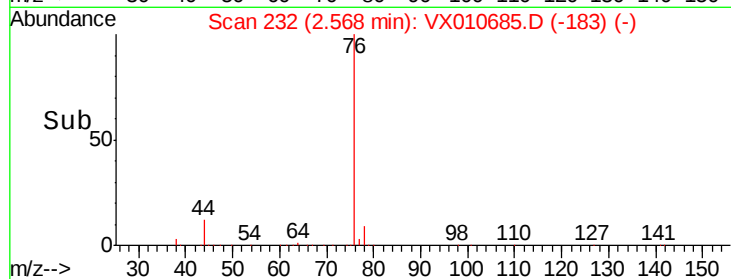
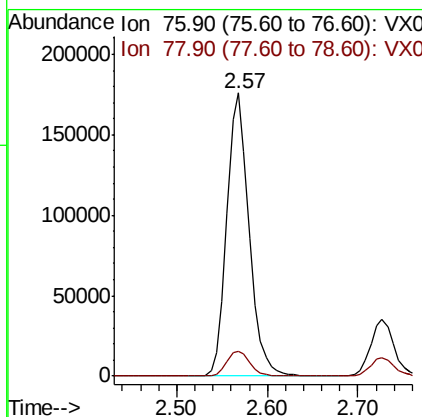
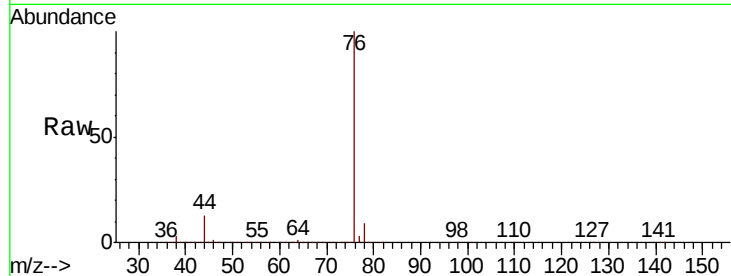
#17
Carbon Disulfide
Concen: 50.466 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX010685.D
Acq: 08 Jul 2019 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 300041
Ion Ratio Lower Upper
76 100
78 8.8 7.3 10.9

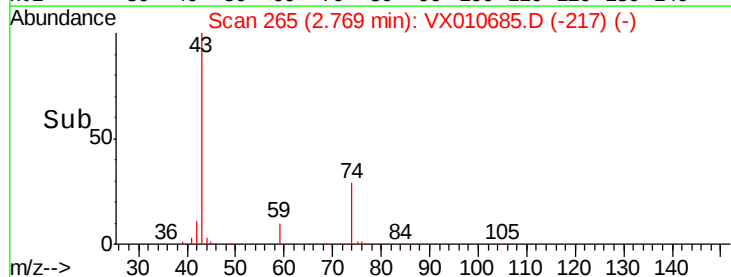
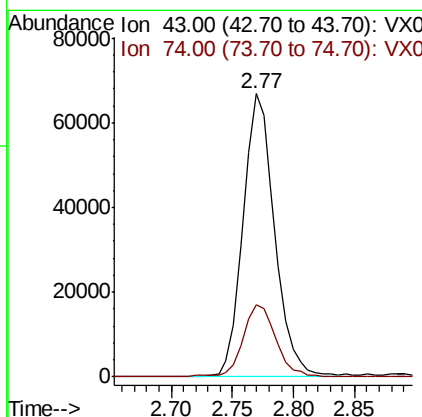
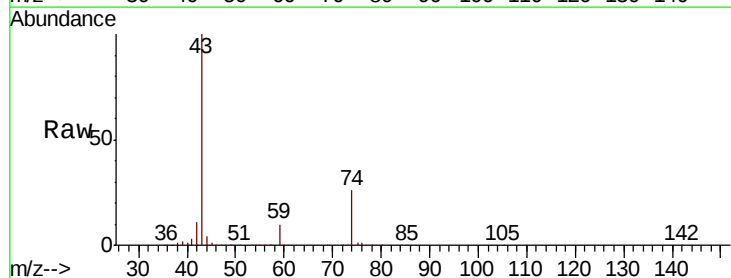
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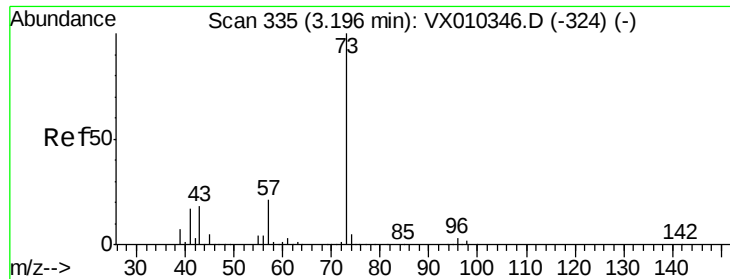
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#18
Methyl Acetate
Concen: 49.736 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX010685.D
Acq: 08 Jul 2019 10:37

Tgt Ion: 43 Resp: 119087
Ion Ratio Lower Upper
43 100
74 27.0 21.3 31.9





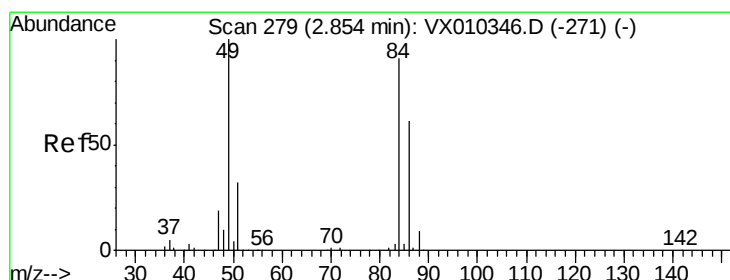
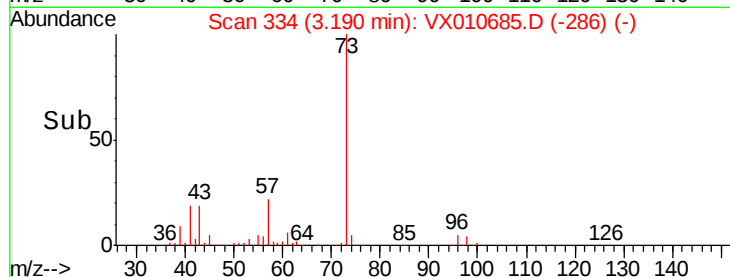
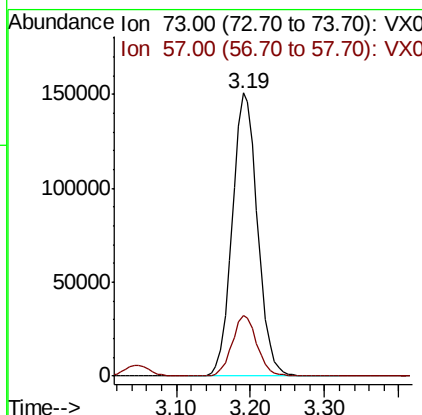
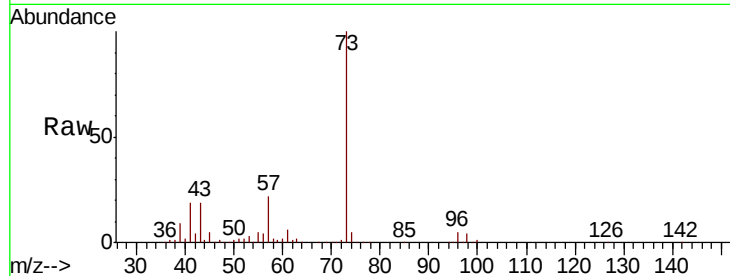
#19
Methyl tert-butyl Ether
Concen: 51.320 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX010685.D
Acq: 08 Jul 2019 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 357780
Ion Ratio Lower Upper
73 100
57 21.6 16.4 24.6

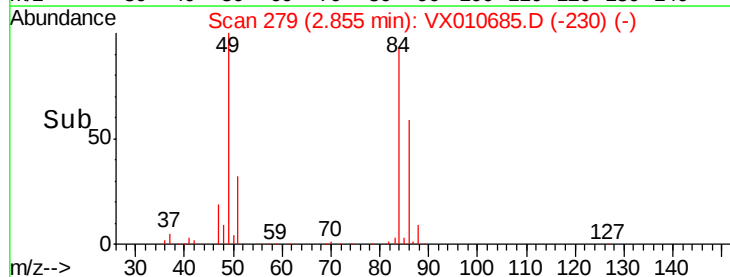
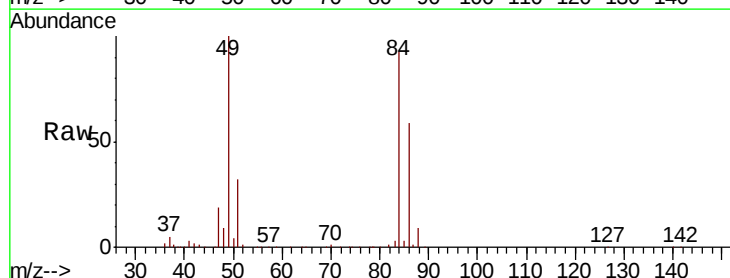
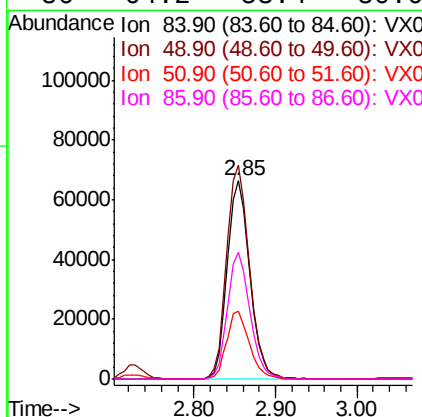
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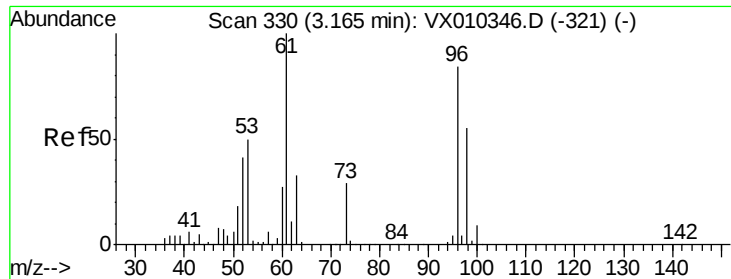
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#20
Methylene Chloride
Concen: 51.188 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX010685.D
Acq: 08 Jul 2019 10:37

Tgt Ion: 84 Resp: 126554
Ion Ratio Lower Upper
84 100
49 107.9 87.5 131.3
51 34.5 27.7 41.5
86 64.2 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 50.271 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX010685.D

Acq: 08 Jul 2019 10:37

Instrument :

MSVOA_X

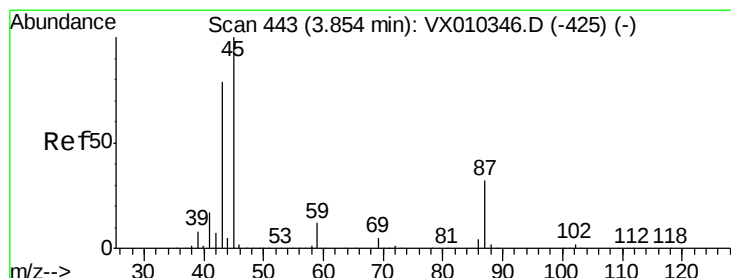
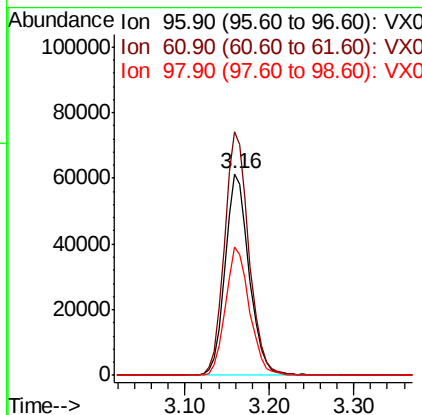
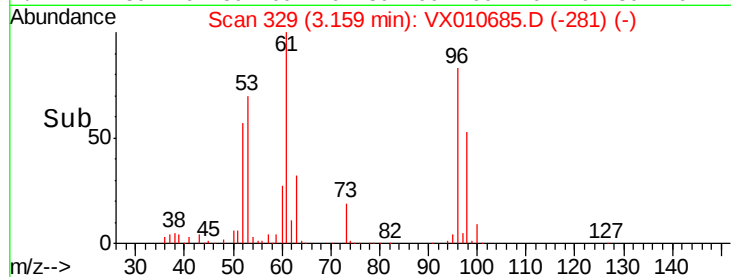
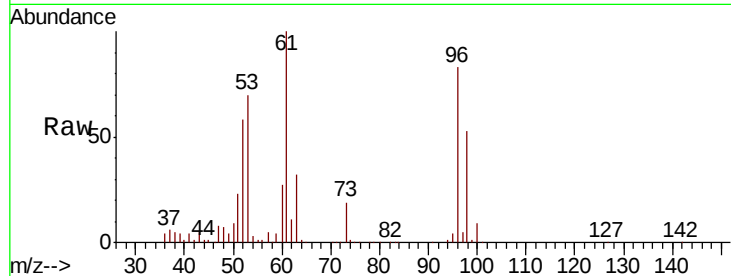
ClientSampleId :

VSTDCCC050

Tgt Ion:	96	Resp:	119817
Ion	Ratio	Lower	Upper
96	100		
61	120.8	95.6	143.4
98	63.5	52.5	78.7

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#22

Diisopropyl ether

Concen: 51.663 ug/l

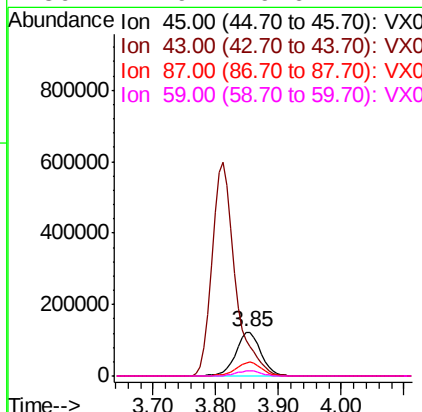
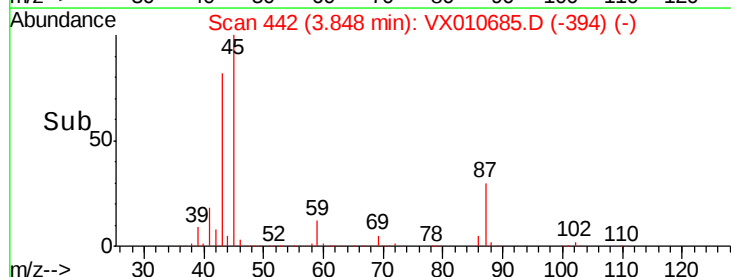
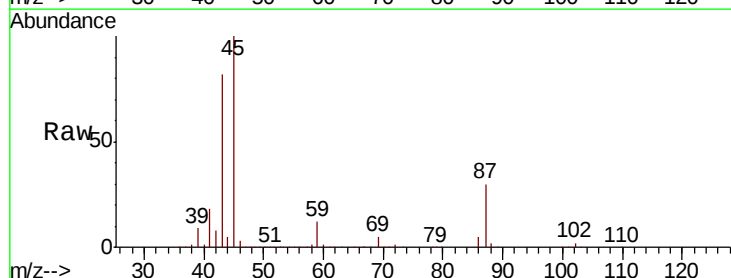
RT: 3.85 min Scan# 442

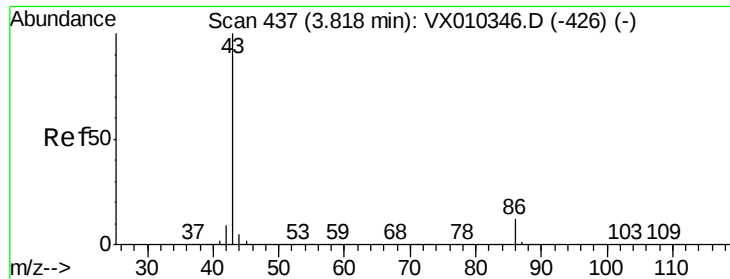
Delta R.T. -0.01 min

Lab File: VX010685.D

Acq: 08 Jul 2019 10:37

Tgt Ion:	45	Resp:	339840
Ion	Ratio	Lower	Upper
45	100		
43	81.3	63.3	94.9
87	29.7	25.8	38.8
59	11.9	9.6	14.4





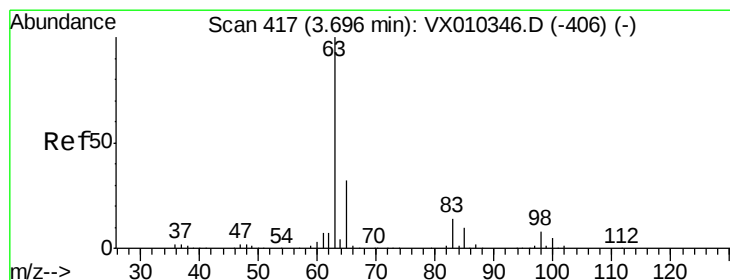
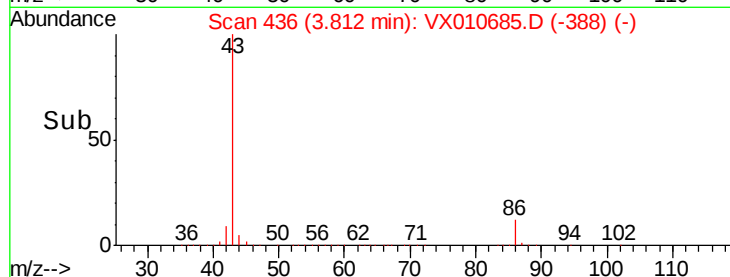
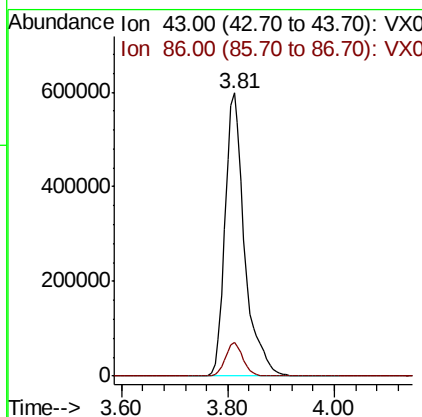
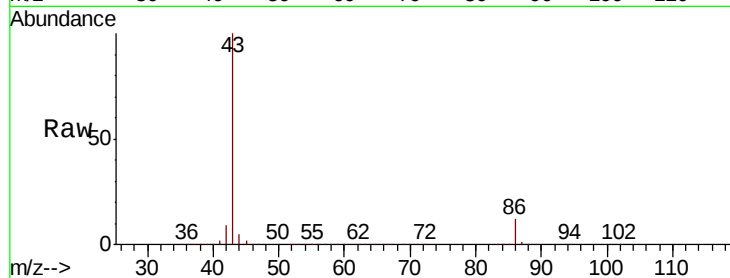
#23
 Vinyl Acetate
 Concen: 269.814 ug/l
 RT: 3.81 min Scan# 436
 Delta R.T. -0.01 min
 Lab File: VX010685.D
 Acq: 08 Jul 2019 10:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 43 Resp: 1533251
 Ion Ratio Lower Upper
 43 100
 86 11.9 9.9 14.9

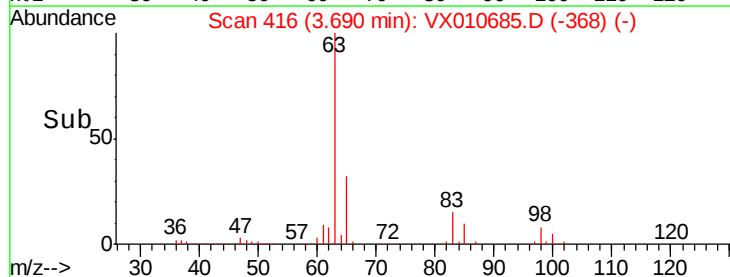
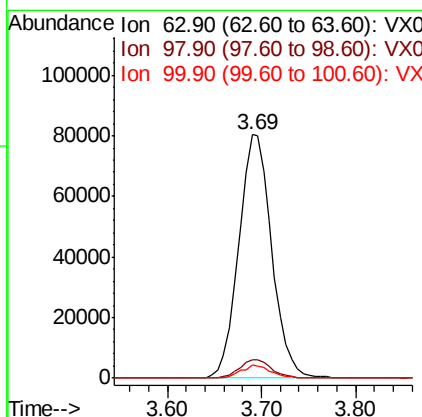
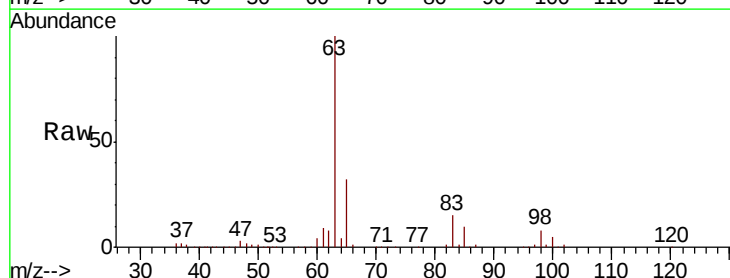
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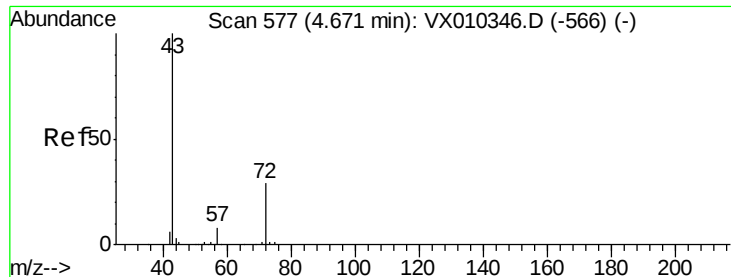
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#24
 1,1-Dichloroethane
 Concen: 51.635 ug/l
 RT: 3.69 min Scan# 416
 Delta R.T. -0.01 min
 Lab File: VX010685.D
 Acq: 08 Jul 2019 10:37

Tgt Ion: 63 Resp: 196331
 Ion Ratio Lower Upper
 63 100
 98 7.7 3.9 11.7
 100 5.3 2.4 7.1





#25

2-Butanone

Concen: 263.012 ug/l

RT: 4.67 min Scan# 576

Delta R.T. -0.01 min

Lab File: VX010685.D

Acq: 08 Jul 2019 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 463495

Ion Ratio Lower Upper

43 100

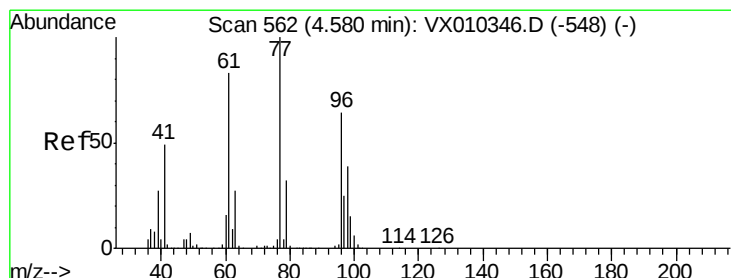
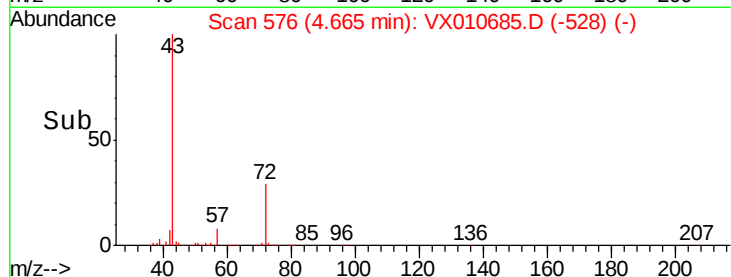
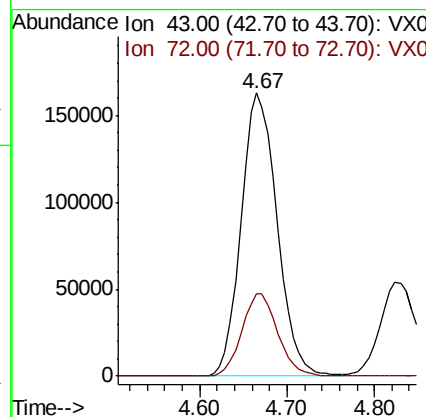
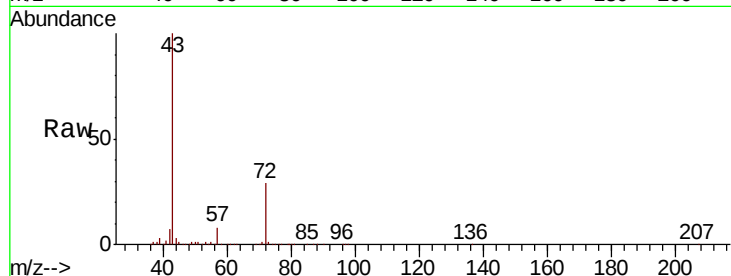
72 29.0 23.3 34.9

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#26

2,2-Dichloropropane

Concen: 53.044 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.01 min

Lab File: VX010685.D

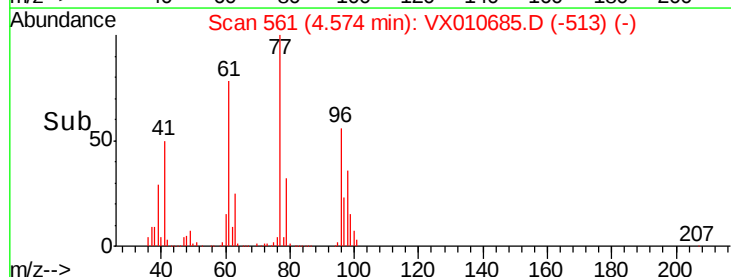
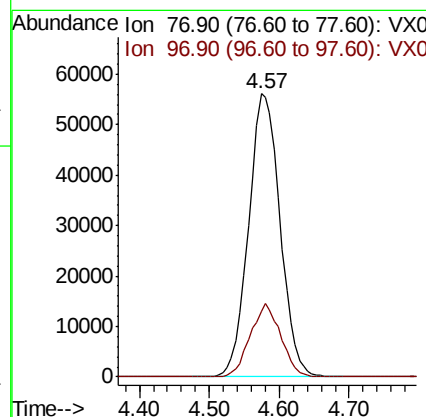
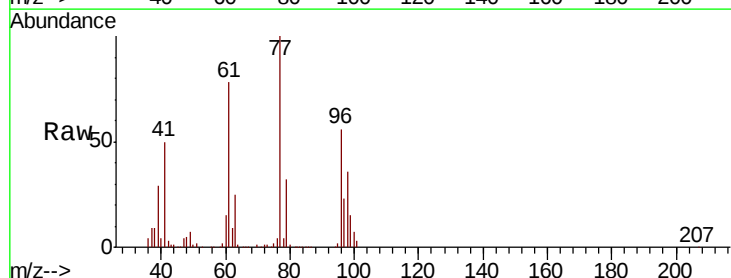
Acq: 08 Jul 2019 10:37

Tgt Ion: 77 Resp: 175206

Ion Ratio Lower Upper

77 100

97 25.2 13.1 39.3





#27

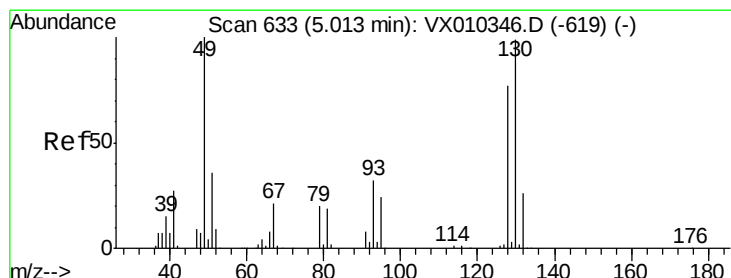
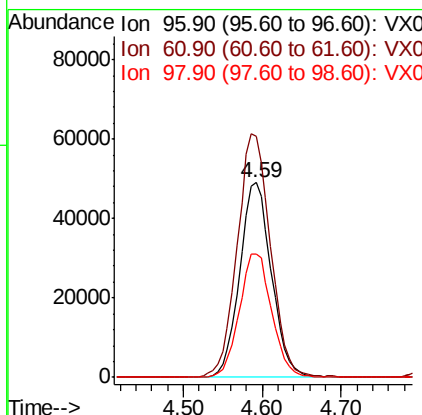
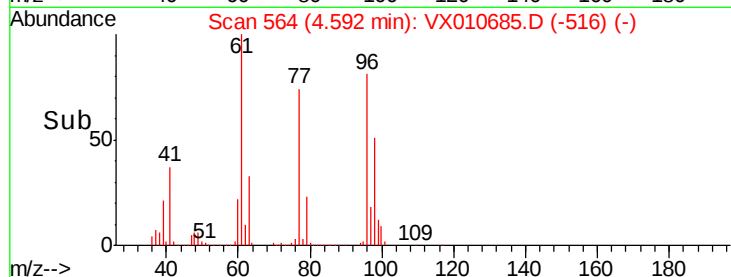
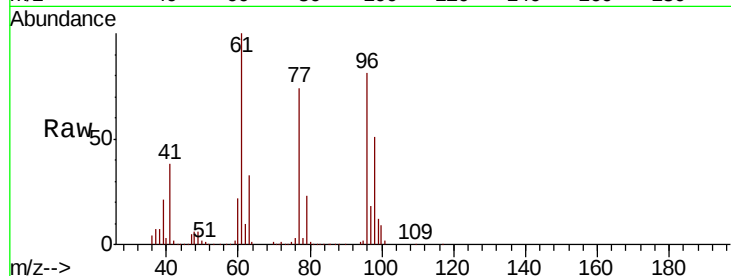
cis-1,2-Dichloroethene
Concen: 49.844 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX010685.D
Acq: 08 Jul 2019 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	137281		
61	131.0	0.0	251.8	
98	64.9	0.0	129.4	

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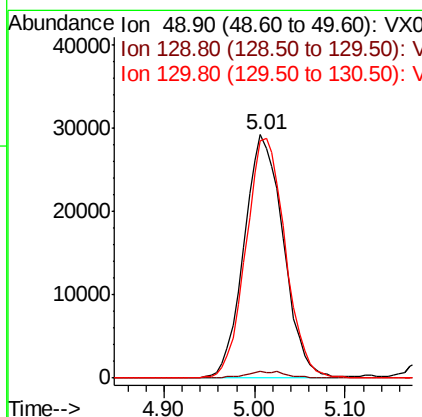
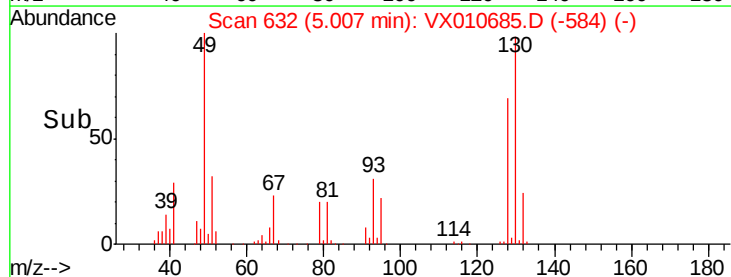
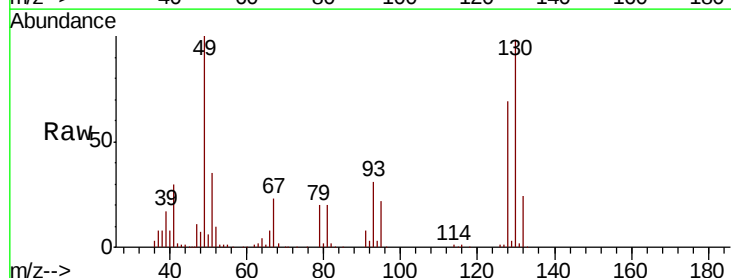
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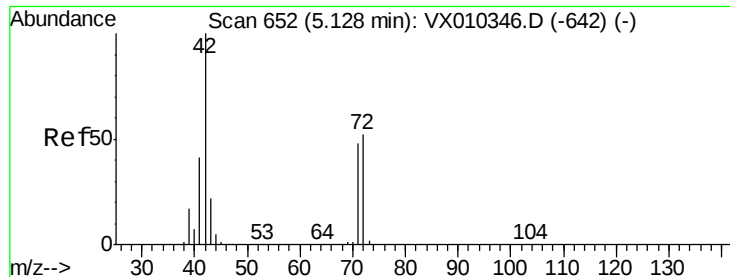


#28

Bromochloromethane
Concen: 47.987 ug/l
RT: 5.01 min Scan# 632
Delta R.T. -0.01 min
Lab File: VX010685.D
Acq: 08 Jul 2019 10:37

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	87237		
129	2.8	0.0	5.6	
130	99.0	81.4	122.0	





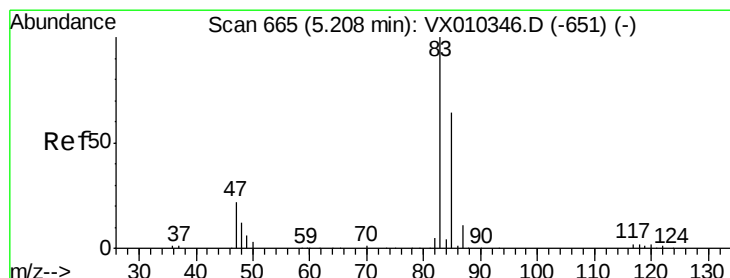
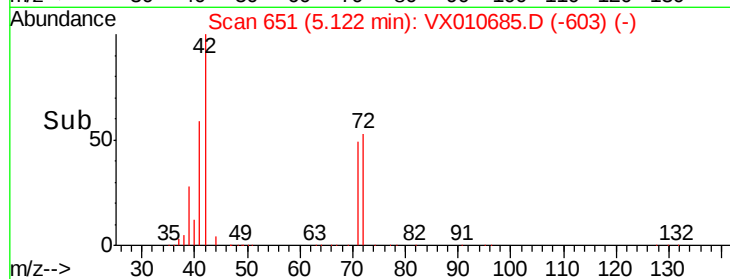
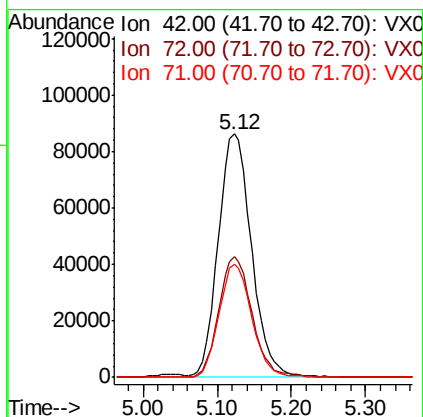
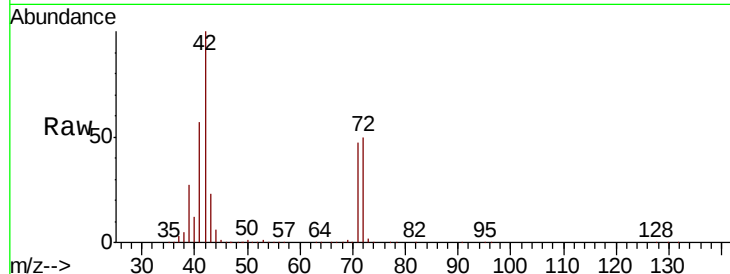
#29
Tetrahydrofuran
Concen: 243.643 ug/l
RT: 5.12 min Scan# 651
Delta R.T. -0.01 min
Lab File: VX010685.D
Acq: 08 Jul 2019 10:37

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
42	100		
72	50.2	40.6	60.8
71	46.3	37.8	56.8

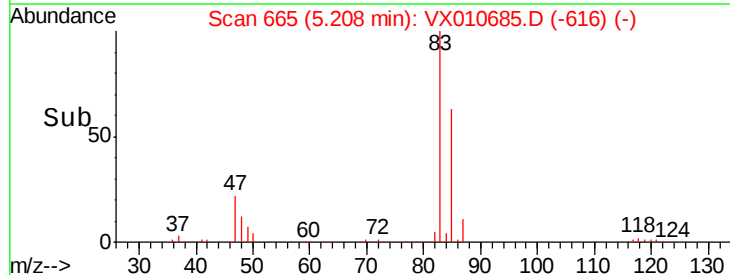
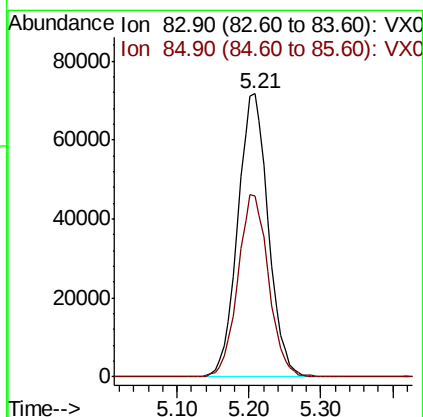
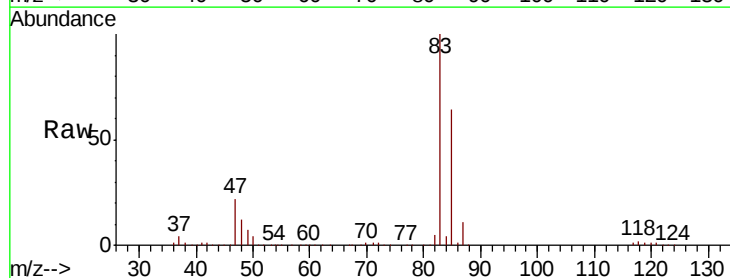
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#30
Chloroform
Concen: 51.512 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX010685.D
Acq: 08 Jul 2019 10:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	50.9	76.3





#31

Cyclohexane

Concen: 52.621 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX010685.D

Acq: 08 Jul 2019 10:37

Instrument :

MSVOA_X

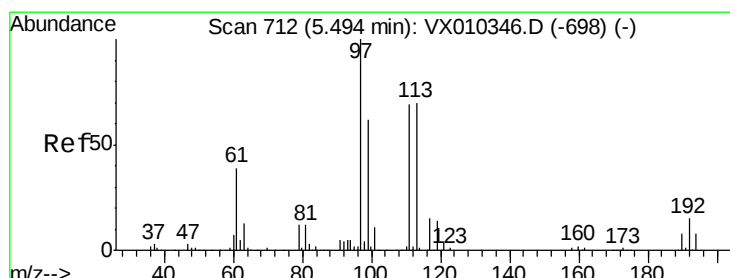
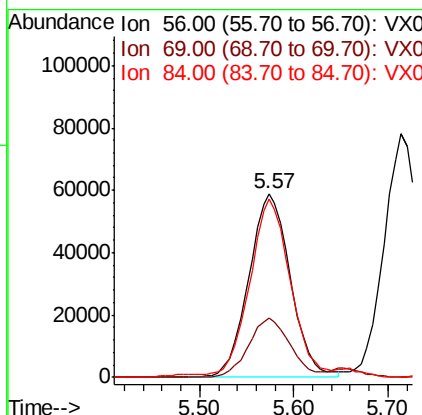
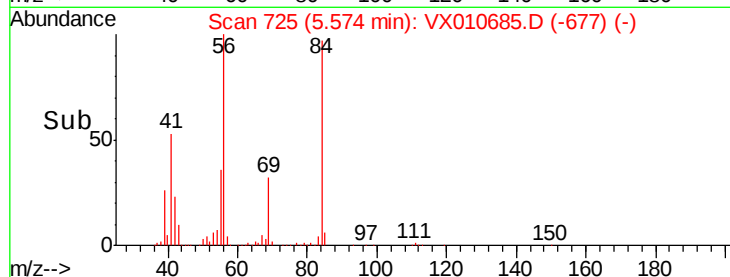
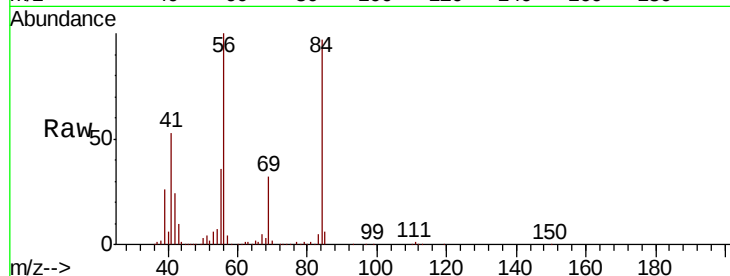
ClientSampled :

VSTDCCC050

Tgt Ion:	56	Resp:	182201
Ion Ratio	Lower	Upper	
56	100		
69	32.5	25.9	38.9
84	95.4	78.0	117.0

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#32

1,1,1-Trichloroethane

Concen: 52.571 ug/l

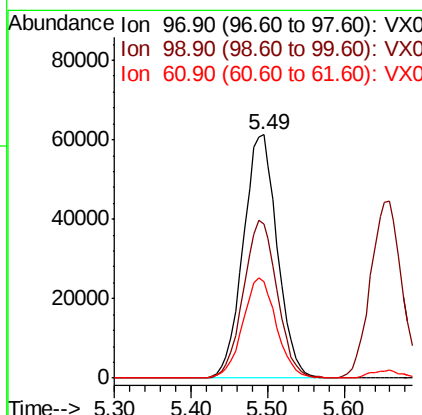
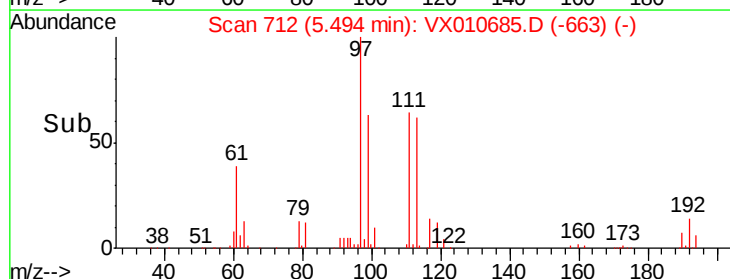
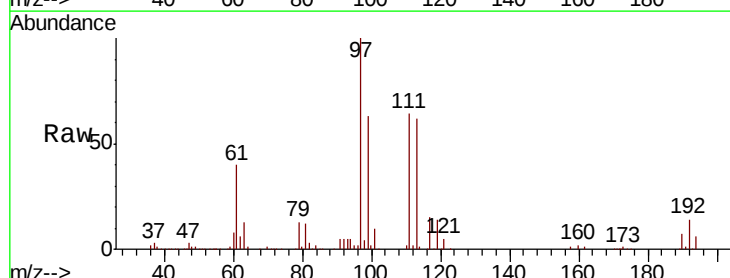
RT: 5.49 min Scan# 712

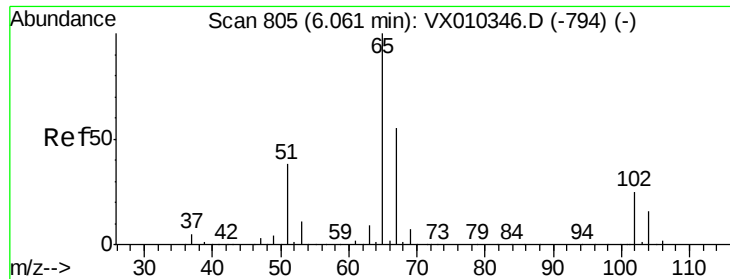
Delta R.T. 0.00 min

Lab File: VX010685.D

Acq: 08 Jul 2019 10:37

Tgt Ion:	97	Resp:	189905
Ion Ratio	Lower	Upper	
97	100		
99	64.2	51.8	77.8
61	40.7	32.1	48.1





#33

1,2-Dichloroethane-d4

Concen: 48.377 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX010685.D

Acq: 08 Jul 2019 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 65 Resp: 115965

Ion Ratio Lower Upper

65 100

67 54.0

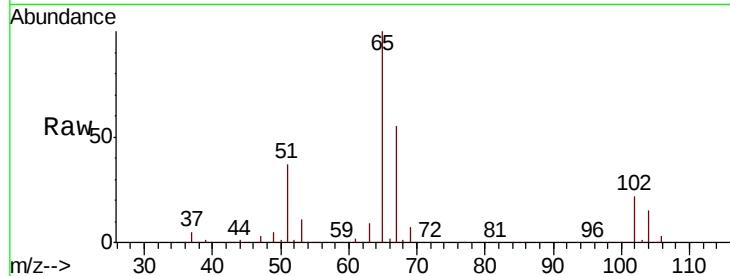
0.0 110.2

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

40000

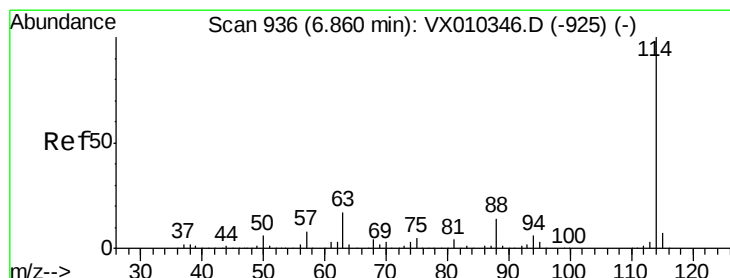
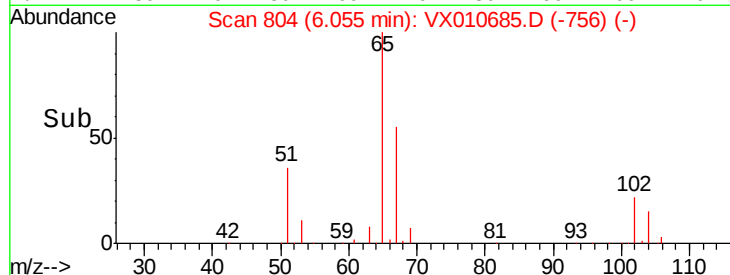
30000

20000

10000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX010685.D

Acq: 08 Jul 2019 10:37

Tgt Ion: 114 Resp: 369736

Ion Ratio Lower Upper

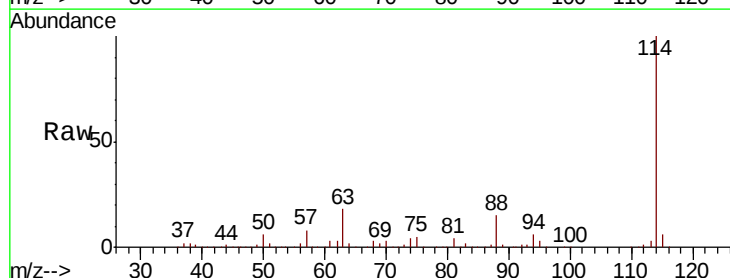
114 100

63 17.7

88 14.6

0.0 33.8

0.0 27.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.85

200000

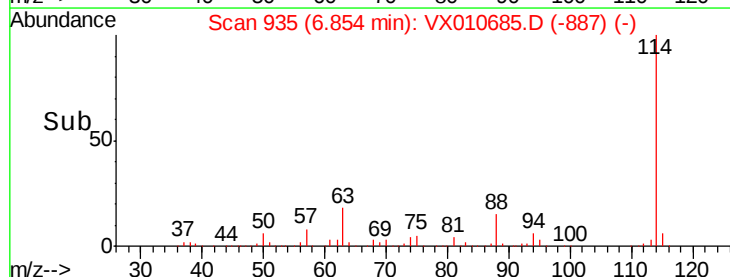
150000

100000

50000

0

Time-->





#35

Dibromofluoromethane

Concen: 48.343 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX010685.D

Acq: 08 Jul 2019 10:37

Instrument :

MSVOA_X

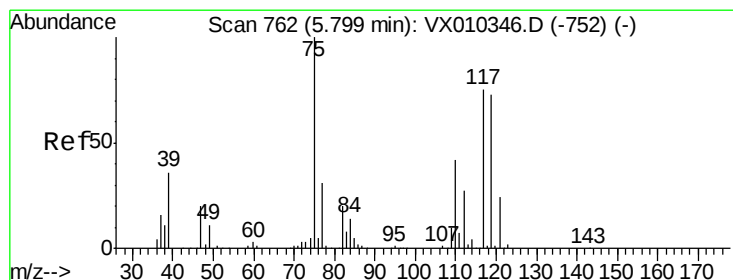
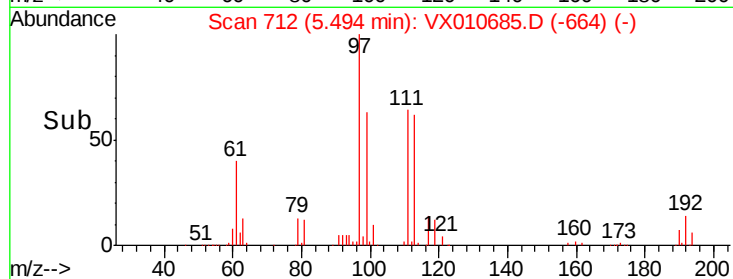
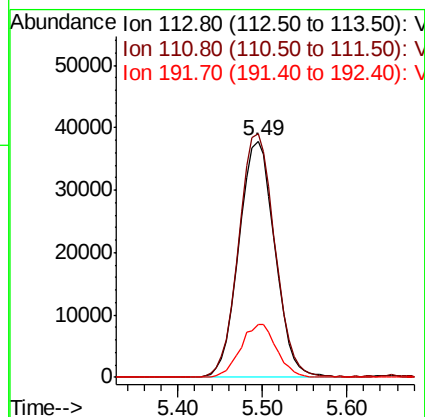
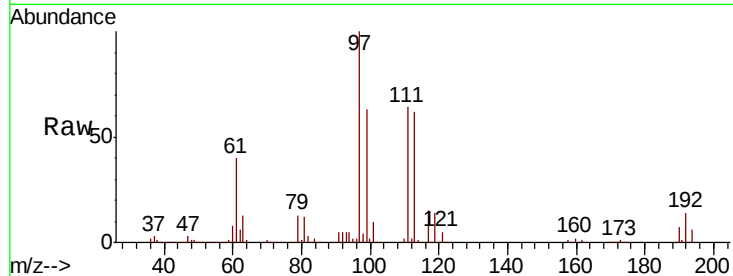
ClientSampled :

VSTDCCC050

Tgt Ion:	113	Resp:	109361
Ion Ratio	Lower	Upper	
113	100		
111	103.8	81.2	121.8
192	22.4	18.6	27.8

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#36

1,1-Dichloropropene

Concen: 53.249 ug/l

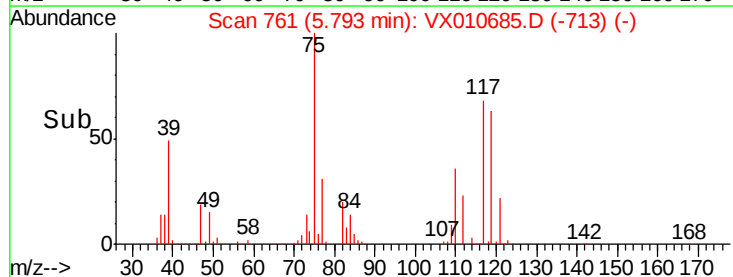
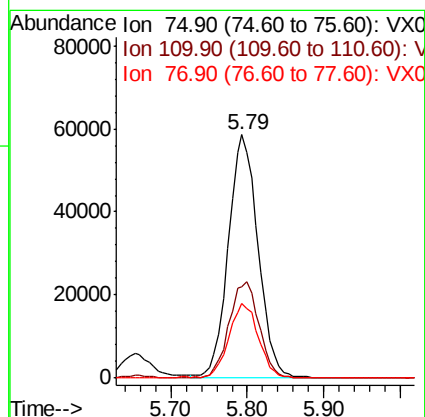
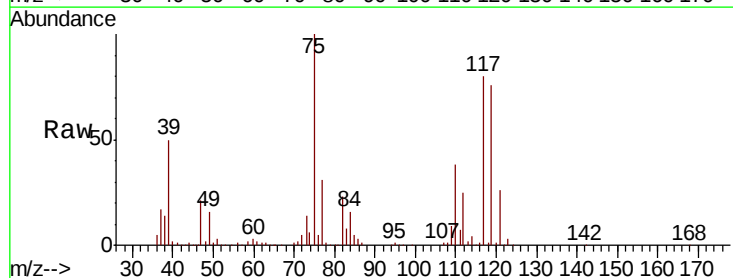
RT: 5.79 min Scan# 761

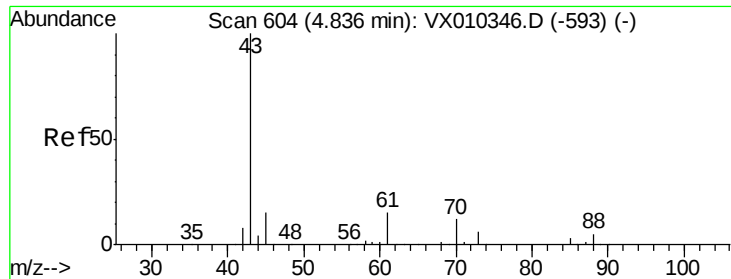
Delta R.T. -0.01 min

Lab File: VX010685.D

Acq: 08 Jul 2019 10:37

Tgt Ion:	75	Resp:	156453
Ion Ratio	Lower	Upper	
75	100		
110	40.5	20.8	62.2
77	30.4	25.4	38.0





#37

Ethyl Acetate

Concen: 52.425 ug/l

RT: 4.82 min Scan# 602

Delta R.T. -0.01 min

Lab File: VX010685.D

Acq: 08 Jul 2019 10:37

Instrument :

MSVOA_X

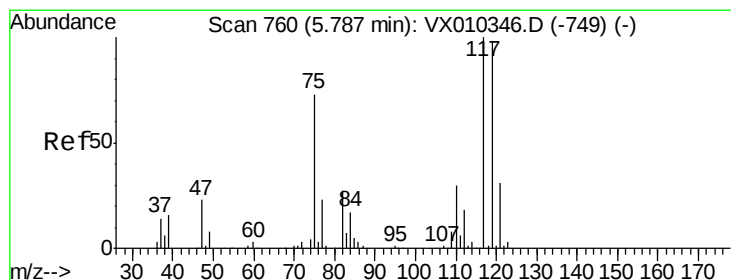
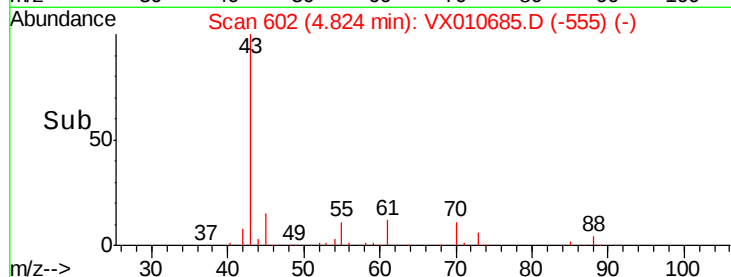
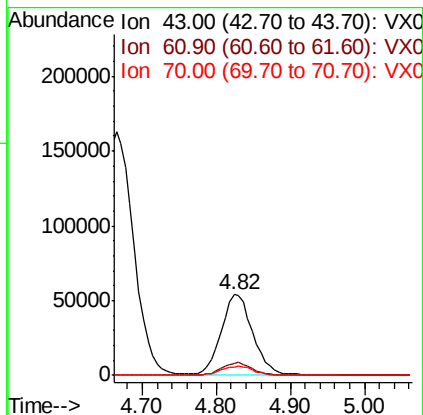
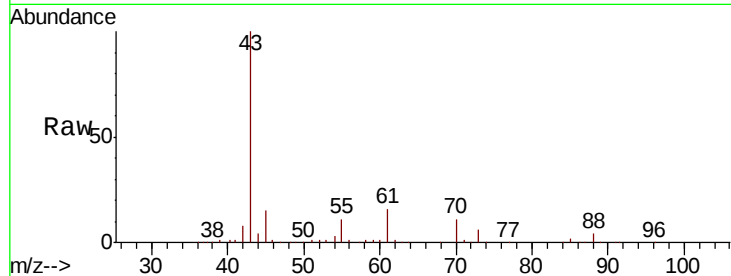
ClientSampleId :

VSTDCCC050

Tgt Ion:	43	Resp:	158461
Ion	Ratio	Lower	Upper
43	100		
61	15.6	12.4	18.6
70	12.0	9.8	14.8

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#38

Carbon Tetrachloride

Concen: 54.308 ug/l

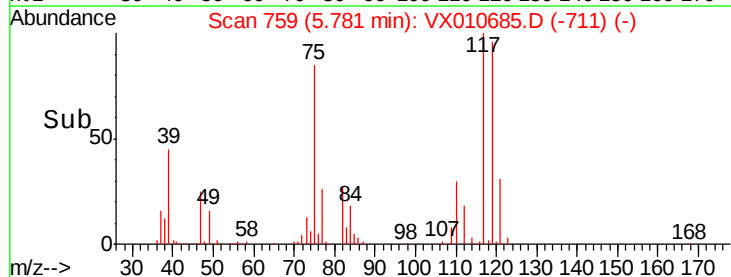
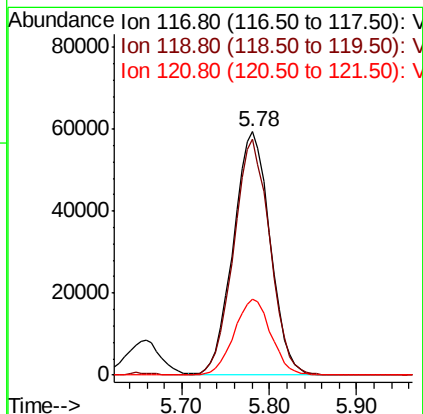
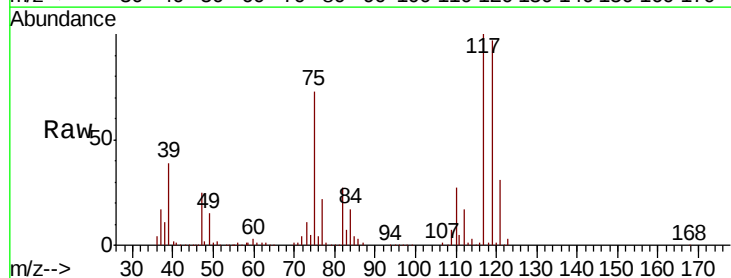
RT: 5.78 min Scan# 759

Delta R.T. -0.01 min

Lab File: VX010685.D

Acq: 08 Jul 2019 10:37

Tgt Ion:	117	Resp:	172787
Ion	Ratio	Lower	Upper
117	100		
119	96.9	78.2	117.4
121	31.0	24.7	37.1





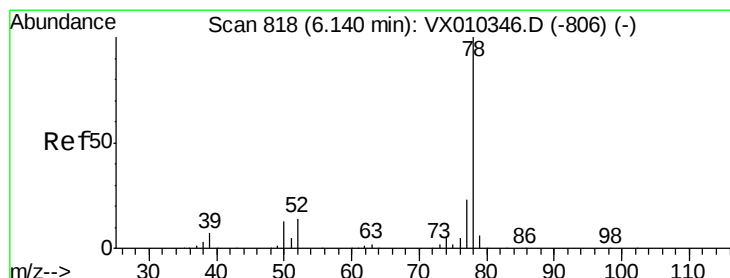
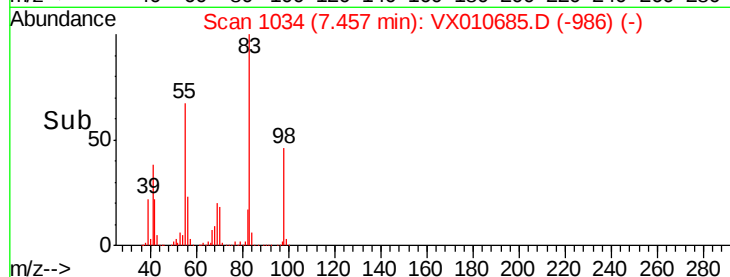
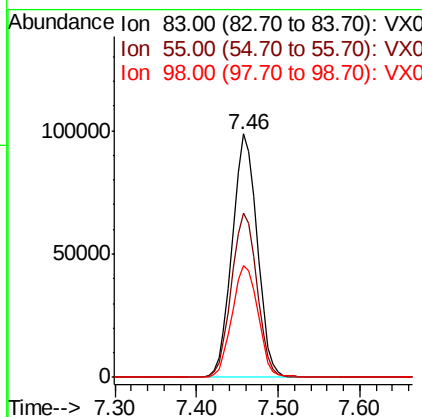
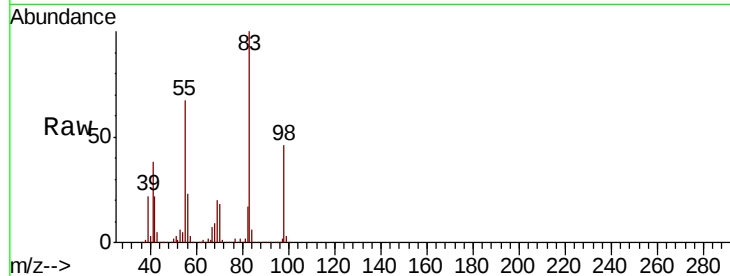
#39
Methylcyclohexane
Concen: 53.962 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX010685.D
Acq: 08 Jul 2019 10:37

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
55	67.3	53.0	79.6
98	45.7	37.8	56.8

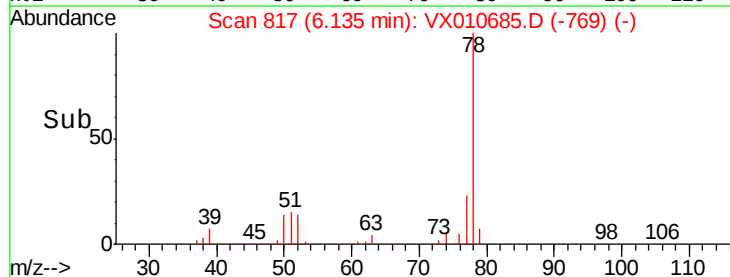
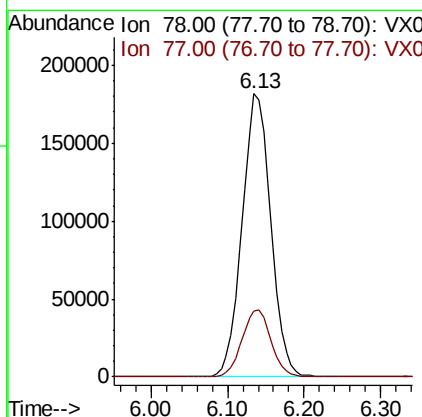
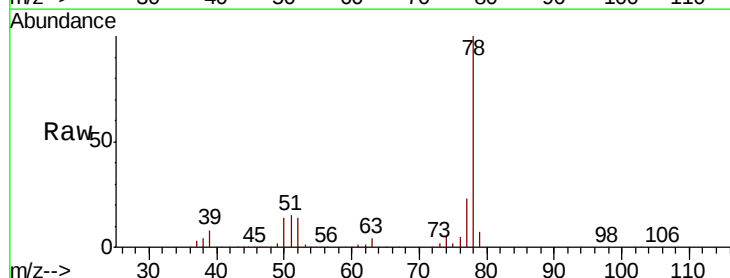
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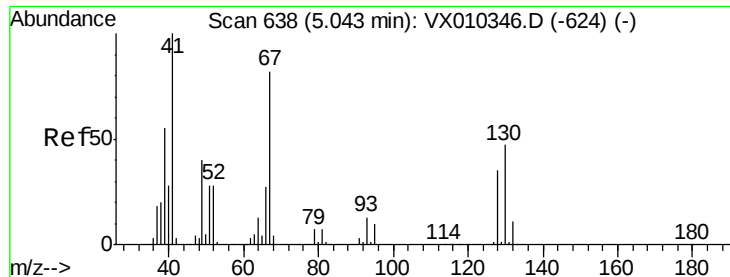
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#40
Benzene
Concen: 51.764 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX010685.D
Acq: 08 Jul 2019 10:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.6	28.0





#41

Methacrylonitrile

Concen: 51.846 ug/l

RT: 5.04 min Scan# 637

Delta R.T. -0.01 min

Lab File: VX010685.D

Acq: 08 Jul 2019 10:37

Instrument :

MSVOA_X

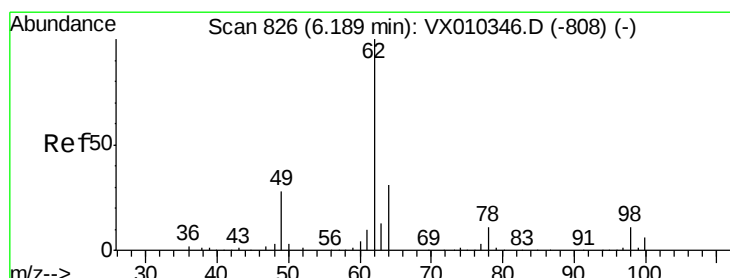
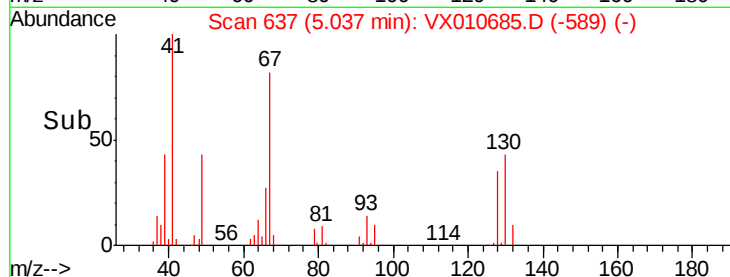
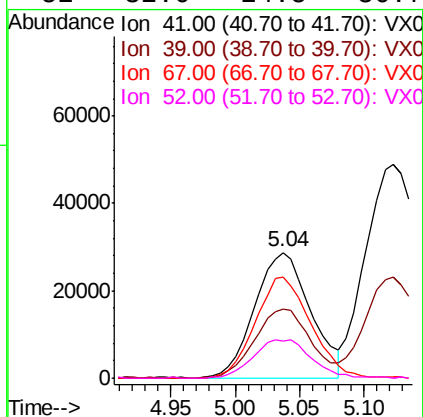
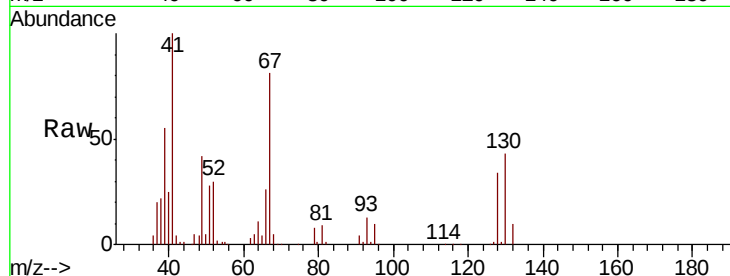
ClientSampled :

VSTDCCC050

Tgt Ion:	41	Resp:	85984
Ion	Ratio	Lower	Upper
41	100		
39	55.5	43.8	65.8
67	81.1	66.6	100.0
52	32.0	24.5	36.7

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 57.020 ug/l

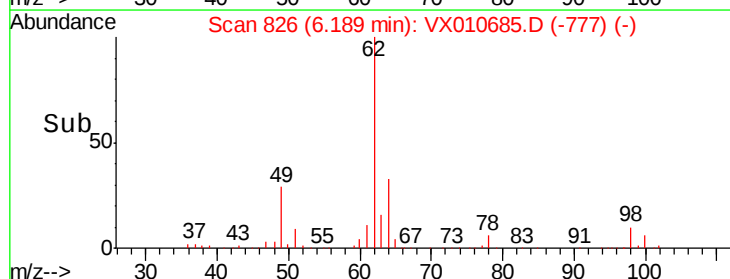
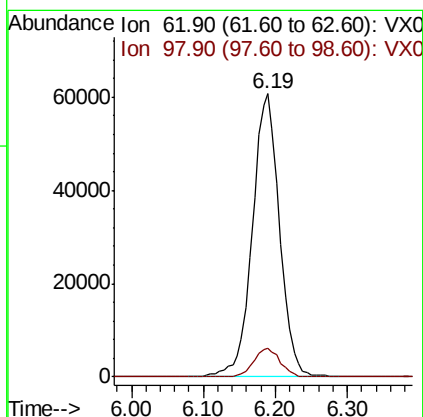
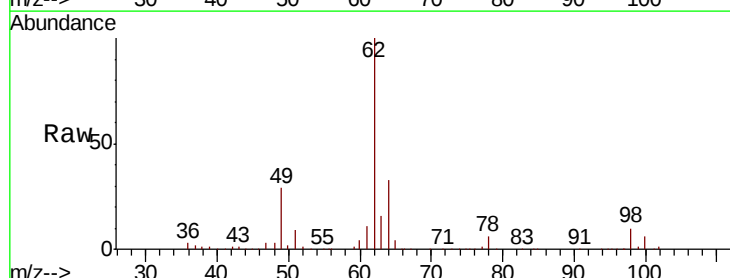
RT: 6.19 min Scan# 826

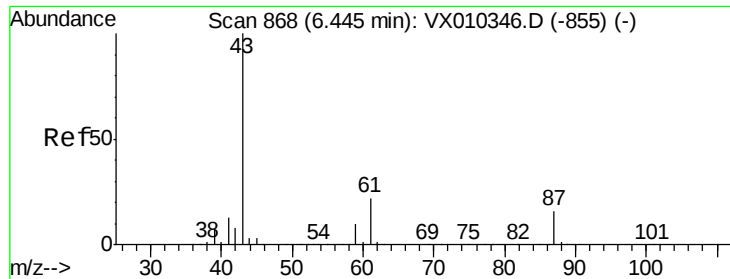
Delta R.T. 0.00 min

Lab File: VX010685.D

Acq: 08 Jul 2019 10:37

Tgt Ion:	62	Resp:	158880
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	22.2





#43

Isopropyl Acetate

Concen: 53.134 ug/l

RT: 6.44 min Scan# 867

Delta R.T. -0.01 min

Lab File: VX010685.D

Acq: 08 Jul 2019 10:37

Instrument :

MSVOA_X

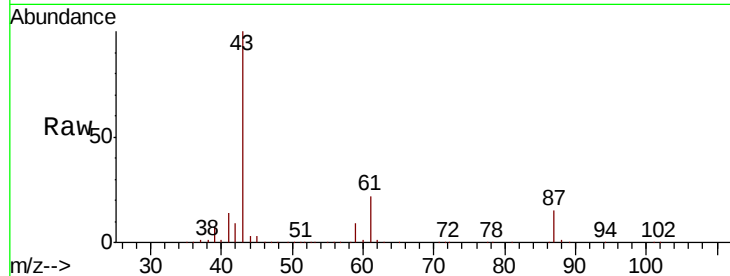
ClientSampled :

VSTDCCC050

Tgt Ion:	43	Resp:	265717
Ion	Ratio	Lower	Upper
43	100		
61	20.9	17.8	26.6
87	15.4	13.0	19.4

Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VX010346.D (-855) (-)

Ion 61.00 (60.70 to 61.70): VX010346.D (-855) (-)

Ion 87.00 (86.70 to 87.70): VX010346.D (-855) (-)

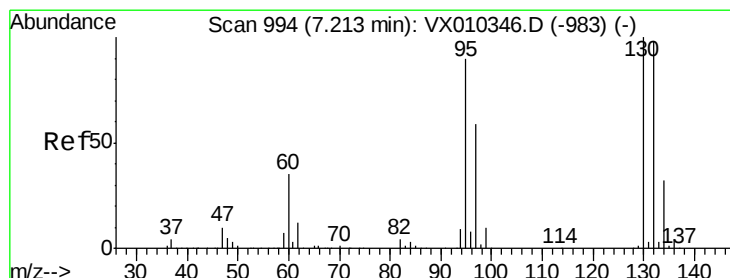
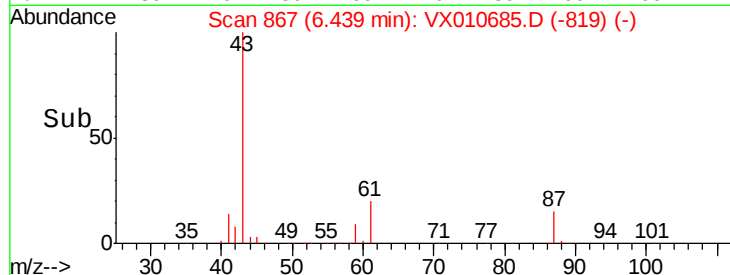
6.44

100000

50000

0

Time-->



#44

Trichloroethene

Concen: 51.791 ug/l

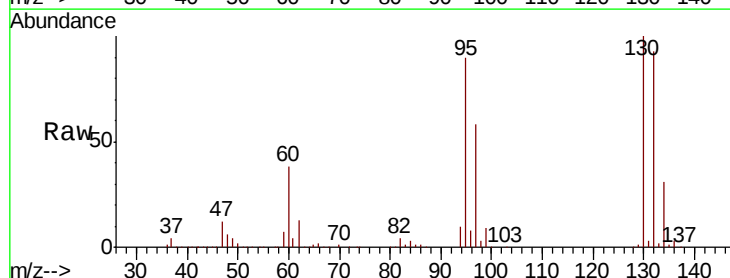
RT: 7.21 min Scan# 993

Delta R.T. -0.01 min

Lab File: VX010685.D

Acq: 08 Jul 2019 10:37

Tgt Ion:	130	Resp:	141855
Ion	Ratio	Lower	Upper
130	100		
95	90.0	0.0	180.8



Abundance Ion 129.80 (129.50 to 130.50): VX010346.D (-983) (-)

Ion 94.90 (94.60 to 95.60): VX010346.D (-983) (-)

80000

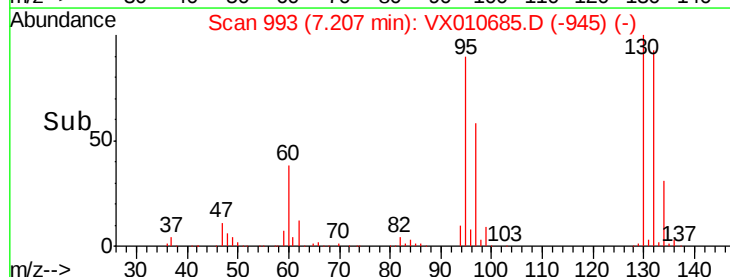
60000

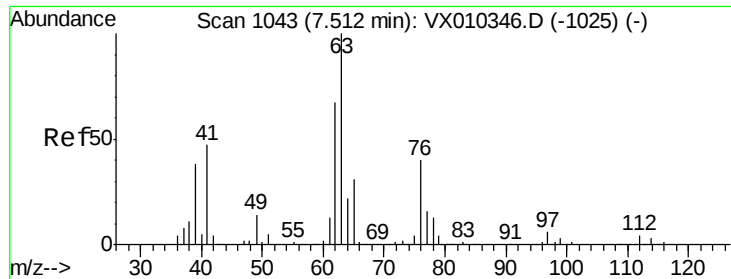
40000

20000

0

Time-->





#45

1,2-Dichloropropane

Concen: 51.365 ug/l

RT: 7.51 min Scan# 1042

Delta R.T. -0.01 min

Lab File: VX010685.D

Acq: 08 Jul 2019 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 63 Resp: 118734

Ion Ratio Lower Upper

63 100

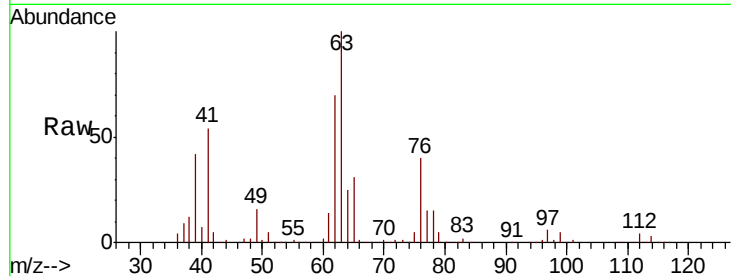
65 31.3 24.8 37.2

Manual Integrations

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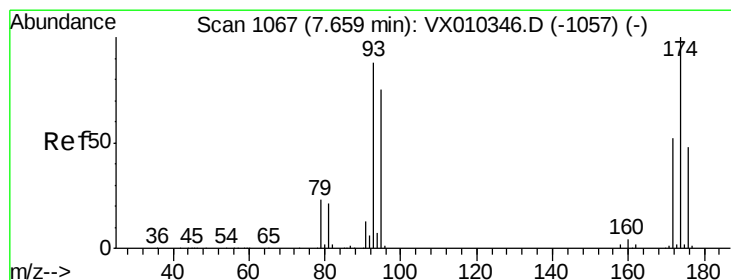
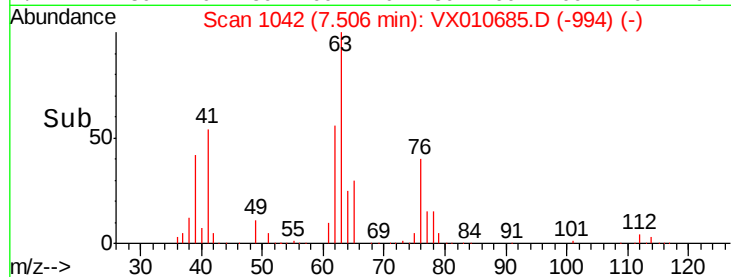
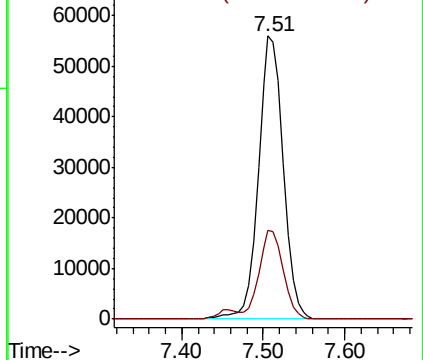
MMDadoda

7/9/2019 11:10:49 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 52.721 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX010685.D

Acq: 08 Jul 2019 10:37

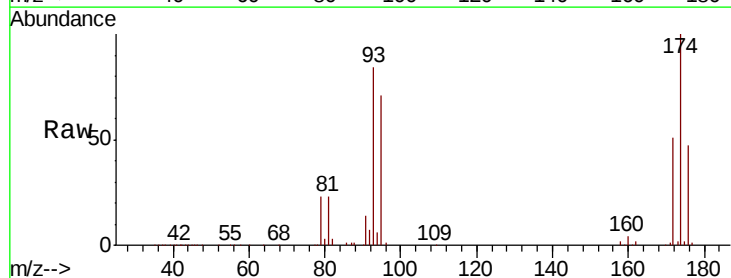
Tgt Ion: 93 Resp: 87437

Ion Ratio Lower Upper

93 100

95 84.0 67.5 101.3

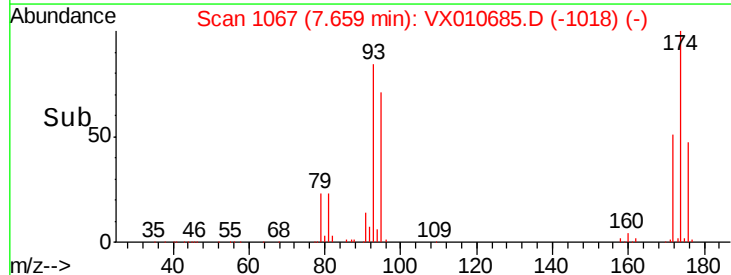
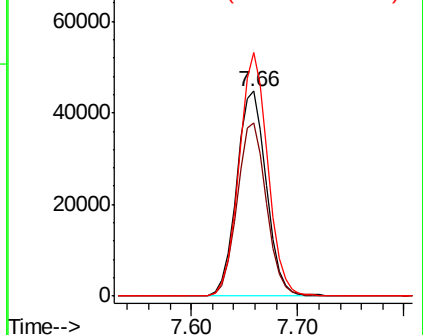
174 115.1 95.8 143.6

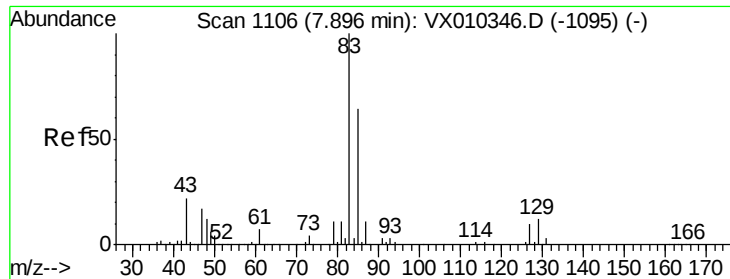


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 53.552 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VX010685.D

Acq: 08 Jul 2019 10:37

Instrument :

MSVOA_X

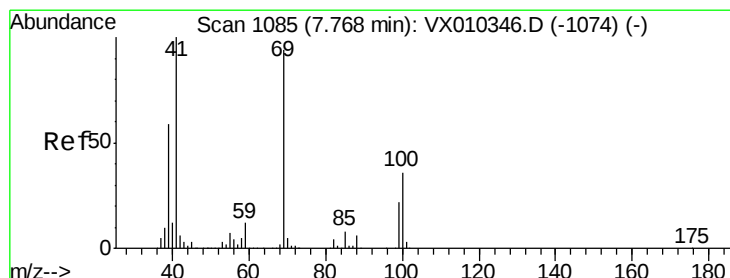
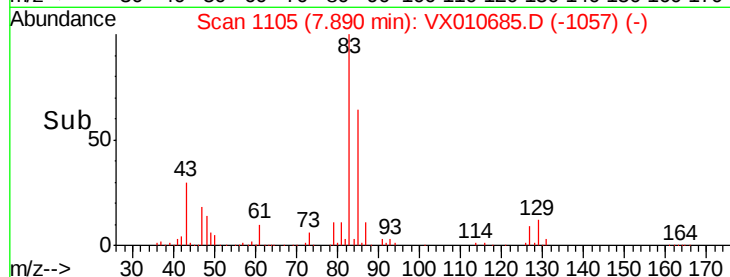
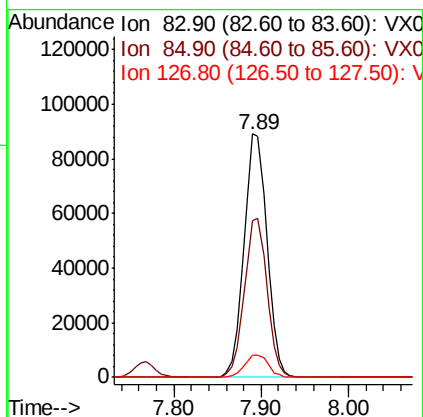
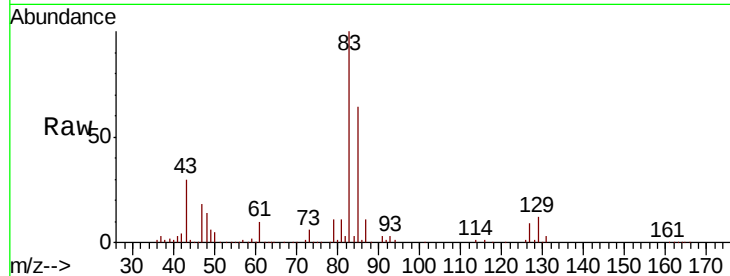
ClientSampleId :

VSTDCCC050

Tgt Ion:	83	Resp:	162766
Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.5	77.3
127	9.2	7.8	11.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 53.888 ug/l

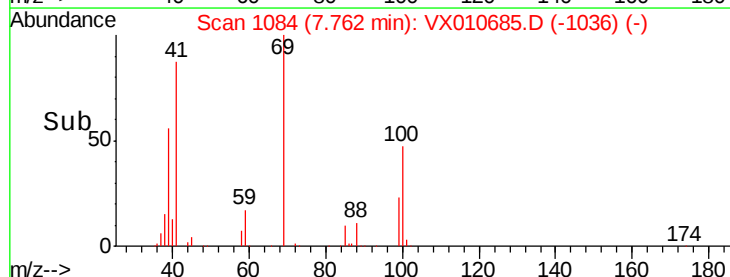
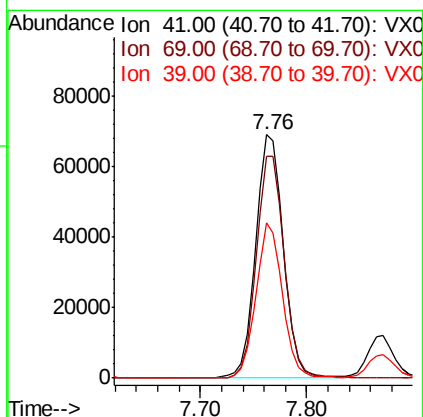
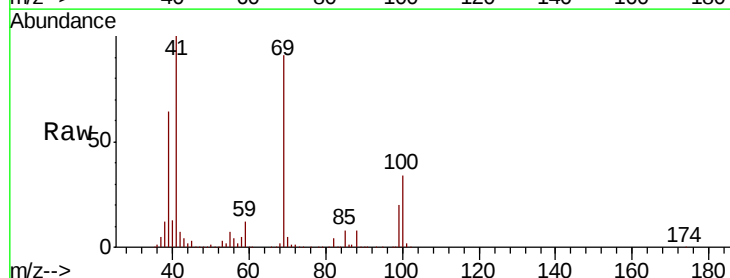
RT: 7.76 min Scan# 1084

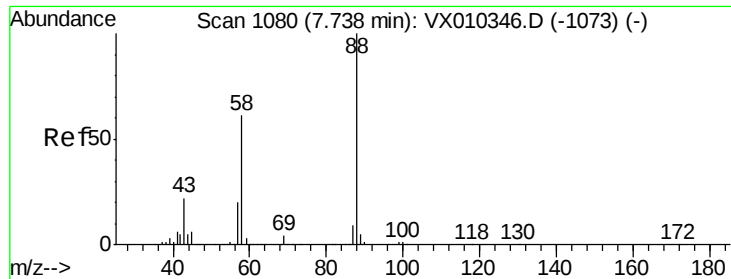
Delta R.T. -0.01 min

Lab File: VX010685.D

Acq: 08 Jul 2019 10:37

Tgt Ion:	41	Resp:	125263
Ion	Ratio	Lower	Upper
41	100		
69	92.7	76.1	114.1
39	61.1	47.6	71.4





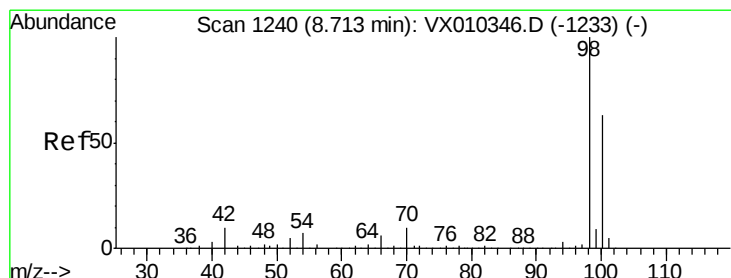
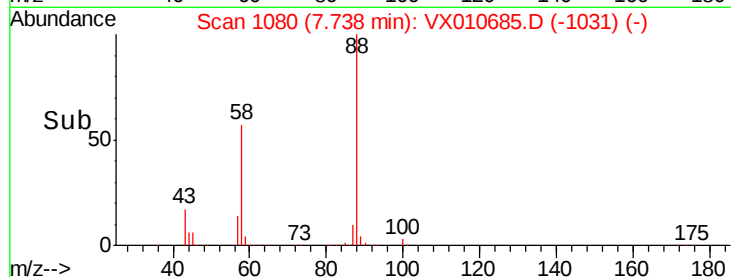
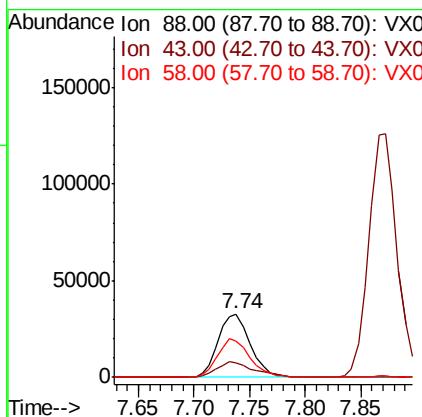
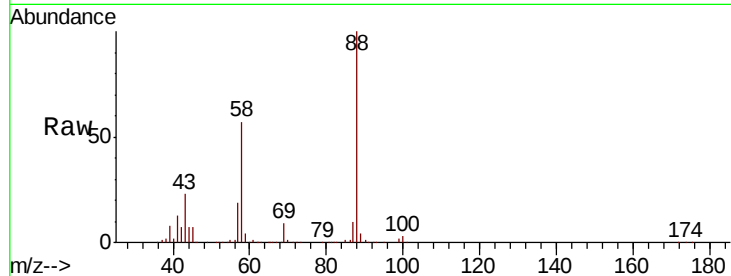
#49
1,4-Dioxane
Concen: 984.002 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX010685.D
Acq: 08 Jul 2019 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	65891		
43	27.0		20.2	30.2
58	61.9		49.5	74.3

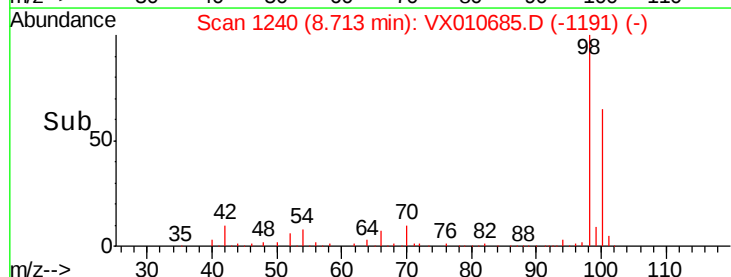
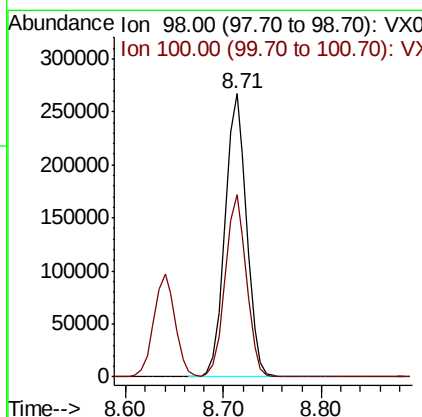
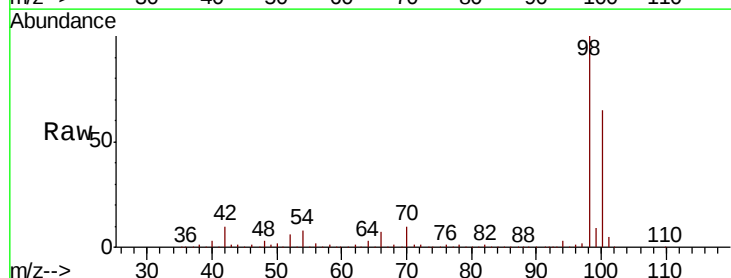
Manual Integrations
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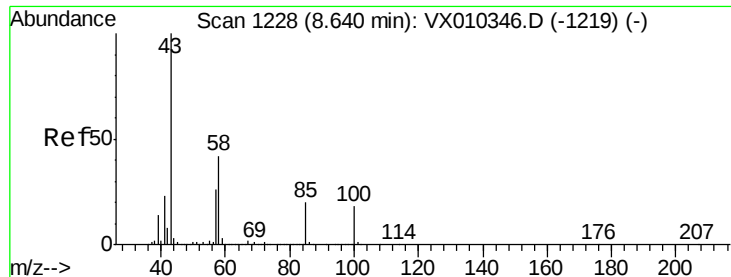
MMDadoda
7/9/2019 11:10:49 AM



#50
Toluene-d8
Concen: 46.905 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010685.D
Acq: 08 Jul 2019 10:37

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	405947		
100	63.5		51.6	77.4





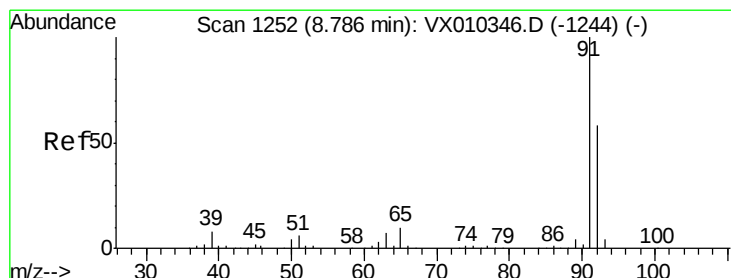
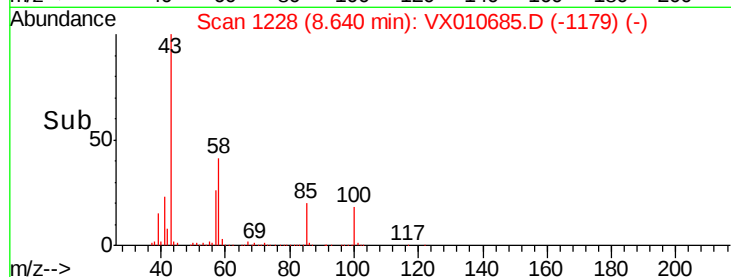
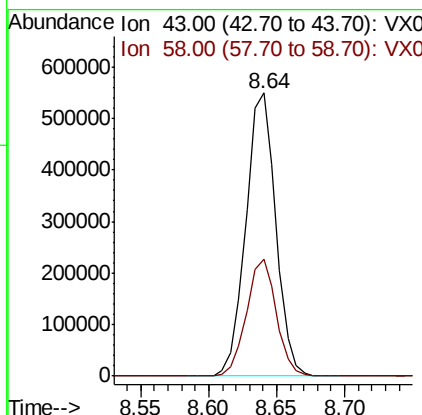
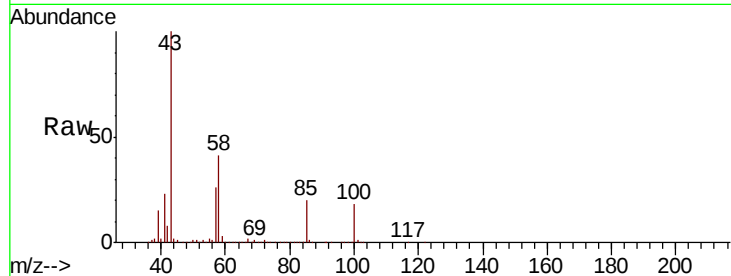
#51
 4-Methyl-2-Pentanone
 Concen: 265.044 ug/l
 RT: 8.64 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: VX010685.D
 Acq: 08 Jul 2019 10:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 43 Resp: 847708
 Ion Ratio Lower Upper
 43 100
 58 41.1 33.5 50.3

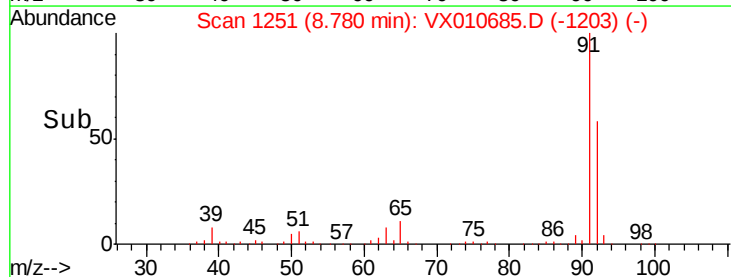
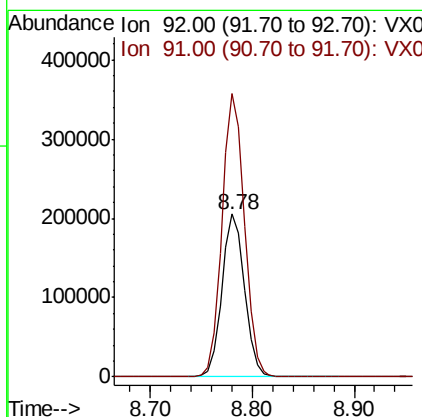
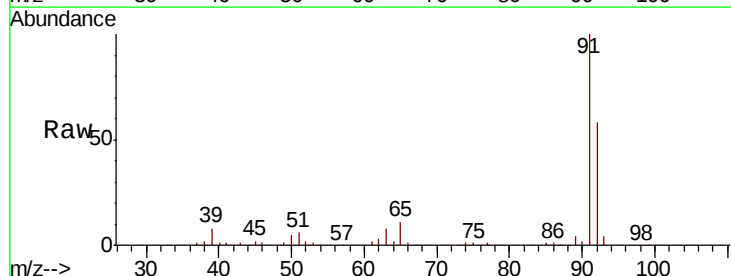
Manual Integrations
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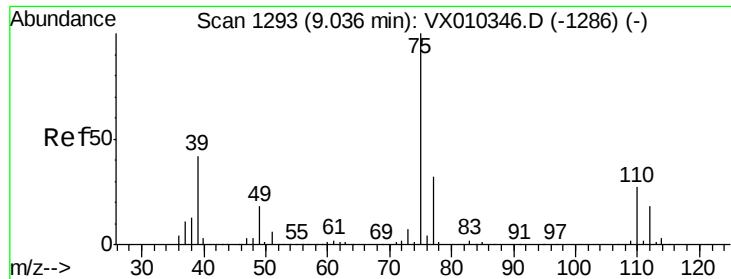
MMDadoda
 7/9/2019 11:10:49 AM



#52
 Toluene
 Concen: 52.189 ug/l
 RT: 8.78 min Scan# 1251
 Delta R.T. -0.01 min
 Lab File: VX010685.D
 Acq: 08 Jul 2019 10:37

Tgt Ion: 92 Resp: 314595
 Ion Ratio Lower Upper
 92 100
 91 173.7 139.8 209.6





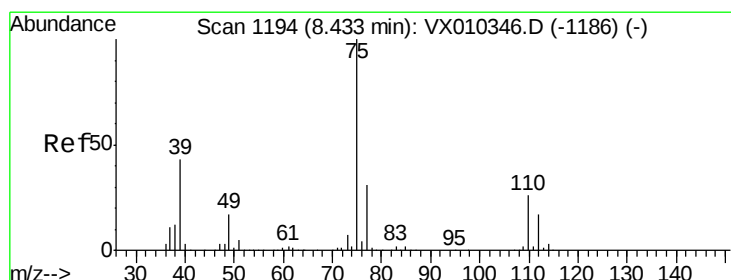
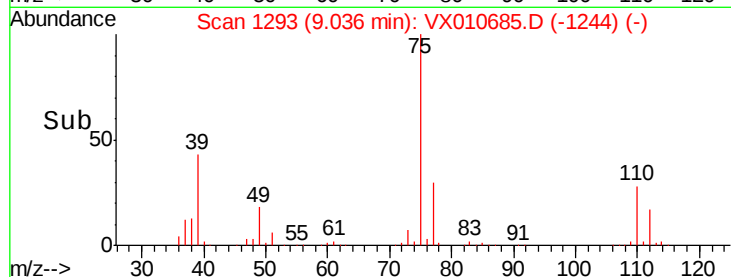
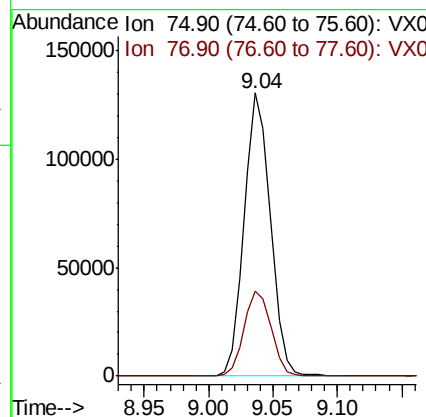
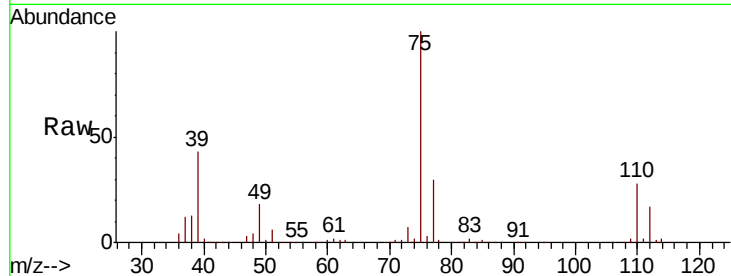
#53
t-1,3-Dichloropropene
Concen: 53.968 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX010685.D
Acq: 08 Jul 2019 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 183898
Ion Ratio Lower Upper
75 100
77 30.0 25.4 38.2

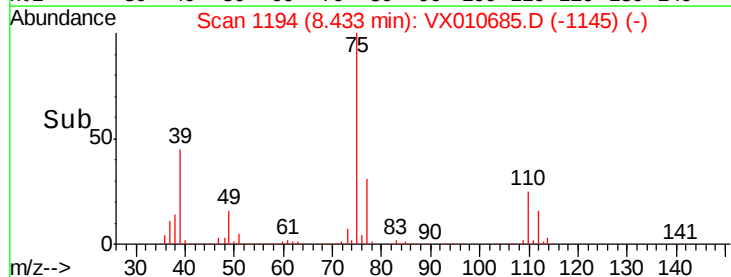
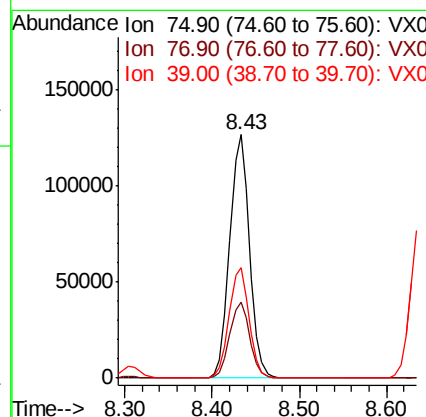
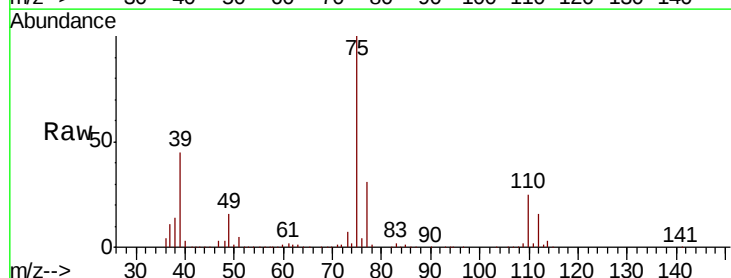
Manual Integrations
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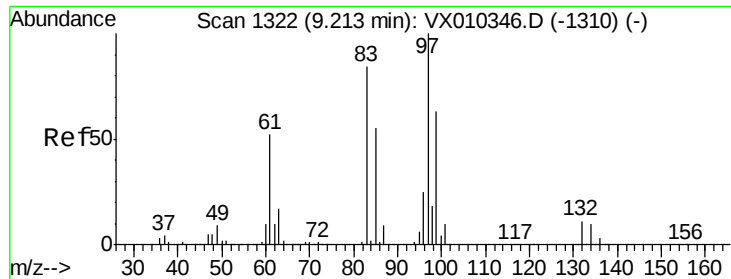
MMDadoda
7/9/2019 11:10:49 AM



#54
cis-1,3-Dichloropropene
Concen: 53.524 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX010685.D
Acq: 08 Jul 2019 10:37

Tgt Ion: 75 Resp: 198204
Ion Ratio Lower Upper
75 100
77 31.4 25.2 37.8
39 45.3 34.5 51.7





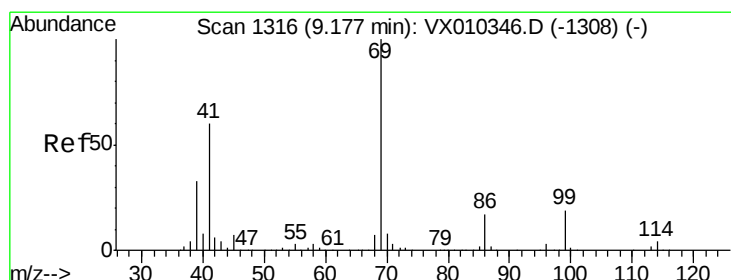
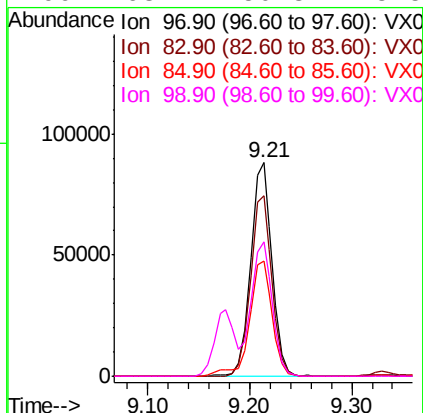
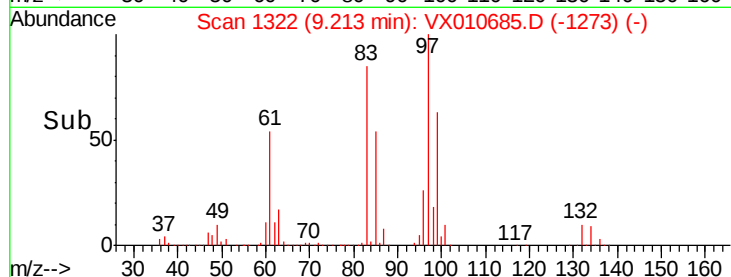
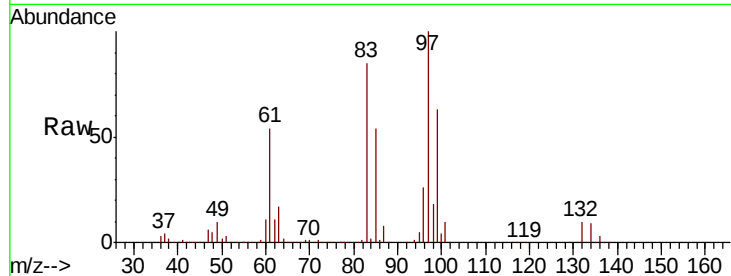
#55
 1,1,2-Trichloroethane
 Concen: 51.851 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX010685.D
 Acq: 08 Jul 2019 10:37

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	128906		
83	84.6	67.4	101.0	
85	54.0	43.8	65.8	
99	63.1	50.3	75.5	

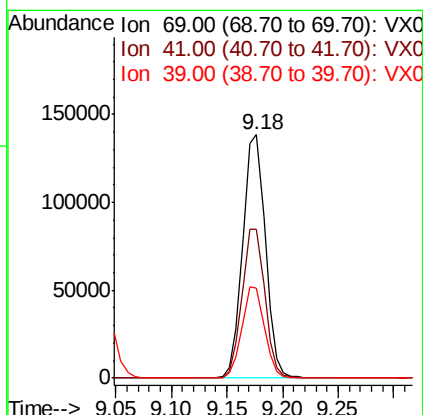
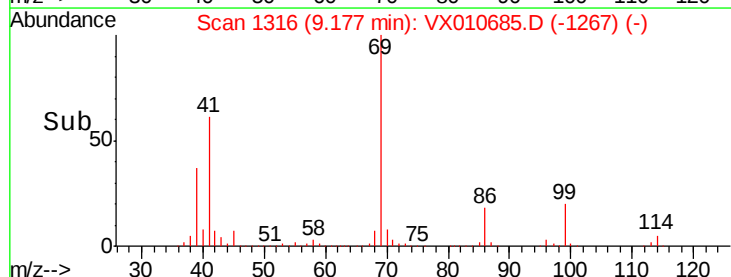
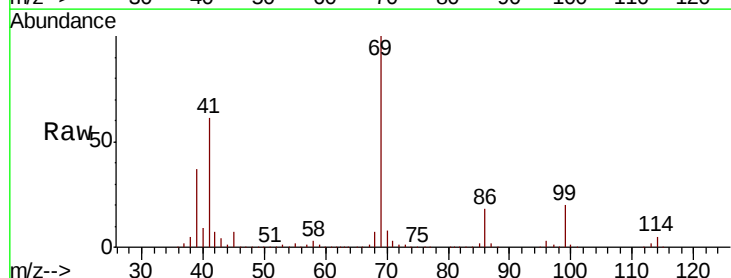
Manual Integrations
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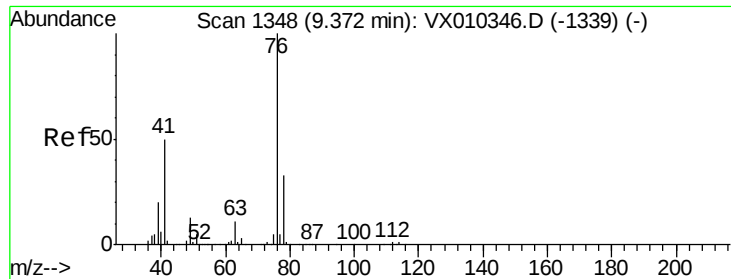
MMDadoda
 7/9/2019 11:10:49 AM



#56
 Ethyl methacrylate
 Concen: 52.153 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX010685.D
 Acq: 08 Jul 2019 10:37

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	196414		
41	61.6	47.1	70.7	
39	37.2	26.6	40.0	





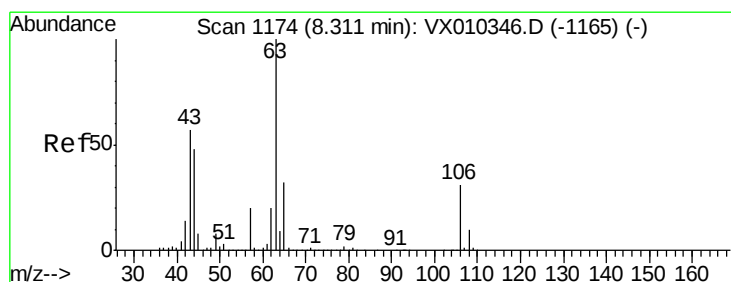
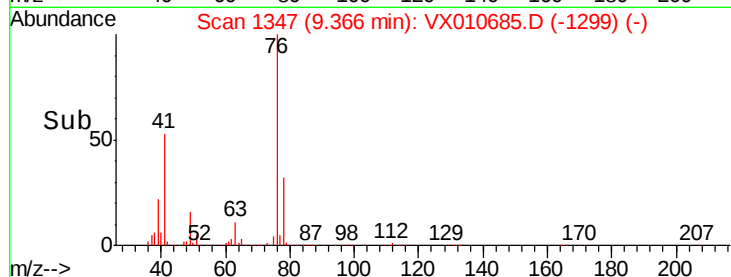
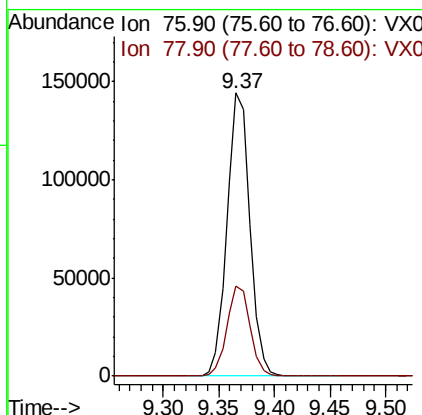
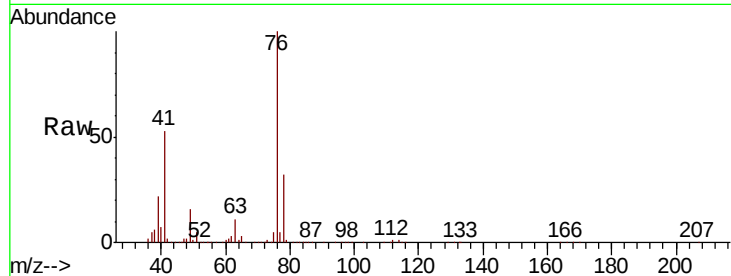
#57
 1,3-Dichloropropane
 Concen: 52.936 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VX010685.D
 Acq: 08 Jul 2019 10:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 76 Resp: 204287
 Ion Ratio Lower Upper
 76 100
 78 32.4 26.1 39.1

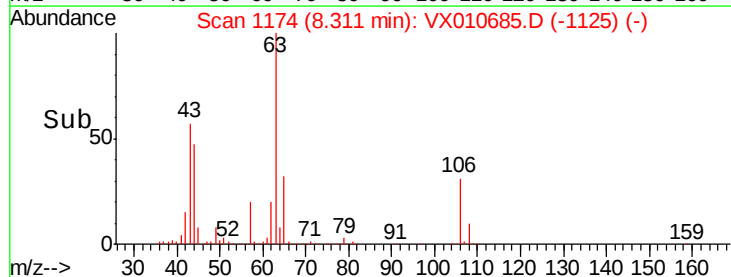
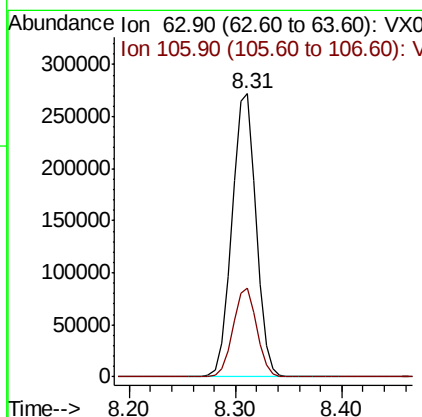
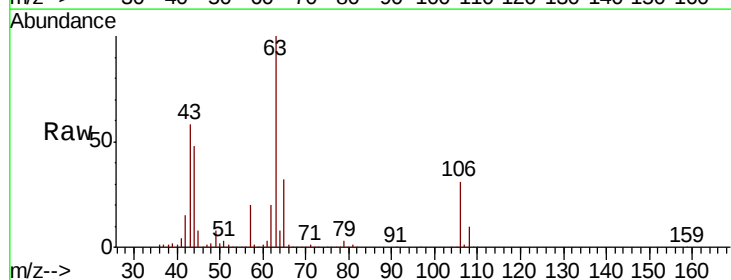
Manual Integrations
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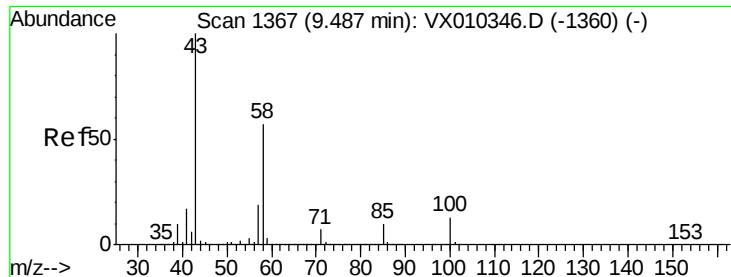
MMDadoda
 7/9/2019 11:10:49 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 241.948 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX010685.D
 Acq: 08 Jul 2019 10:37

Tgt Ion: 63 Resp: 432752
 Ion Ratio Lower Upper
 63 100
 106 30.8 24.7 37.1





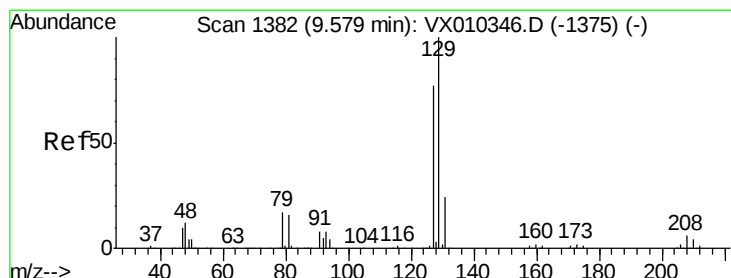
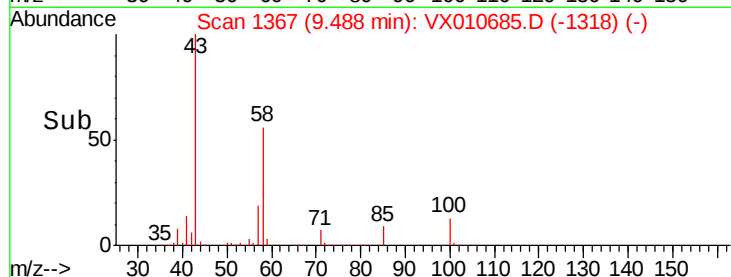
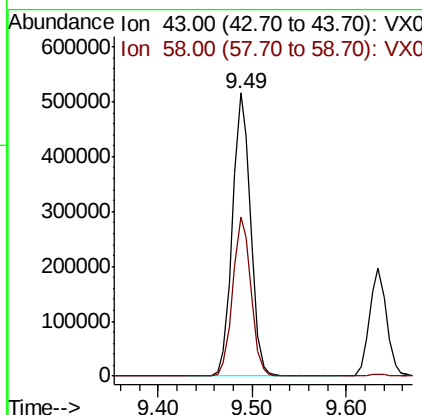
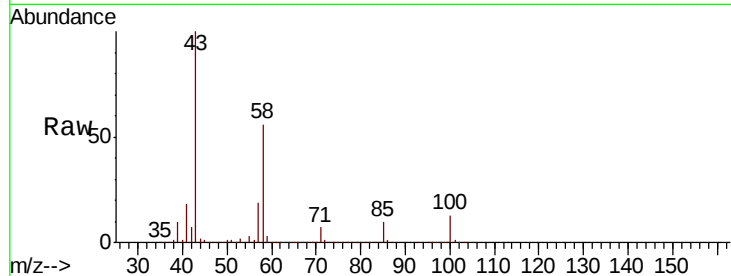
#59
2-Hexanone
Concen: 272.179 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX010685.D
Acq: 08 Jul 2019 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 685139
Ion Ratio Lower Upper
43 100
58 56.6 29.0 87.1

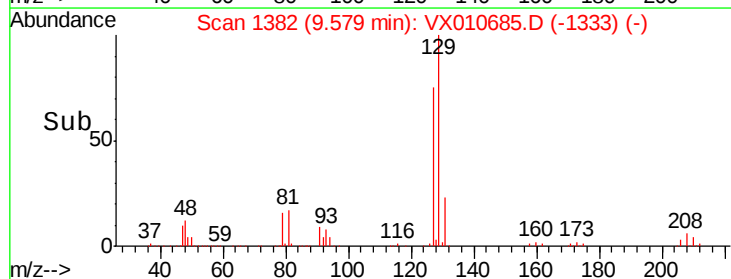
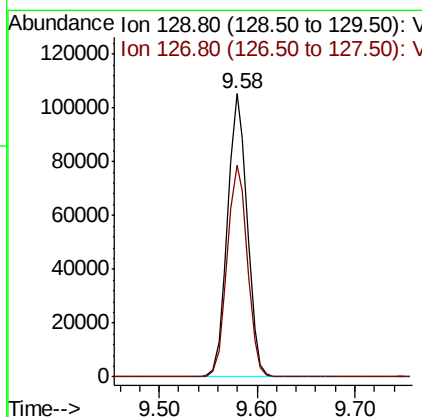
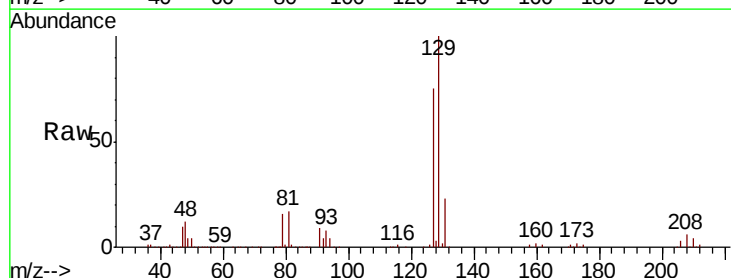
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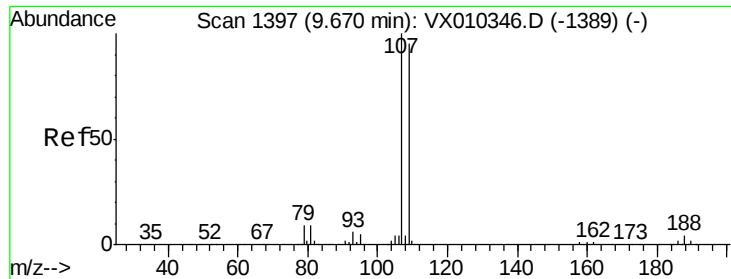
MMDadoda
7/9/2019 11:10:49 AM



#60
Dibromochloromethane
Concen: 52.999 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX010685.D
Acq: 08 Jul 2019 10:37

Tgt Ion: 129 Resp: 147528
Ion Ratio Lower Upper
129 100
127 76.9 38.4 115.1





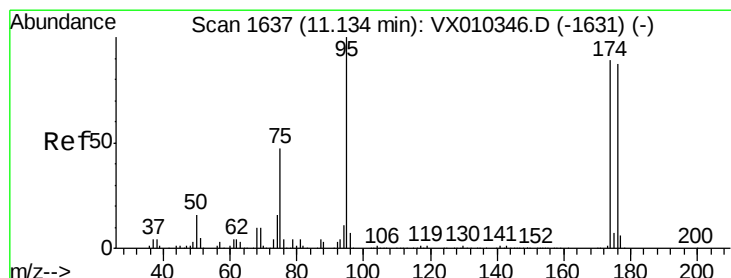
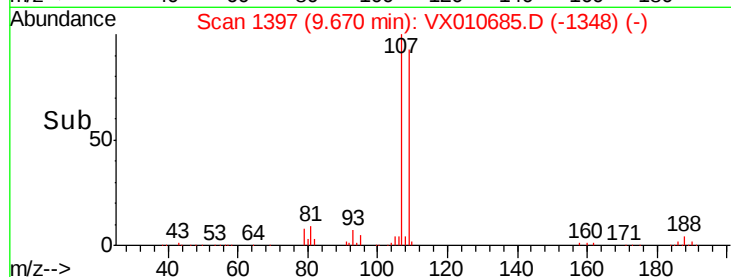
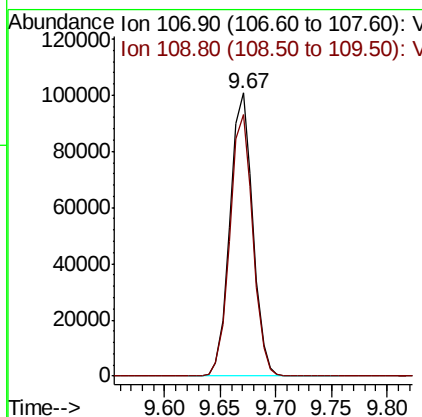
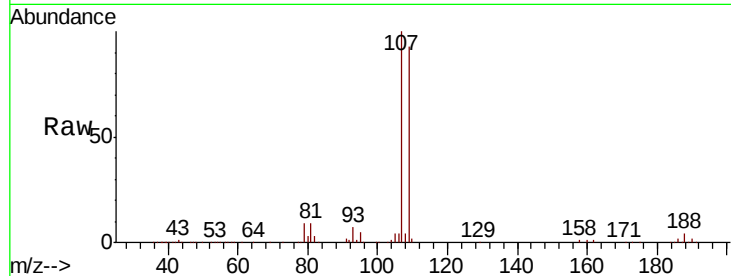
#61
 1,2-Dibromoethane
 Concen: 53.363 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VX010685.D
 Acq: 08 Jul 2019 10:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.0	75.8	113.6

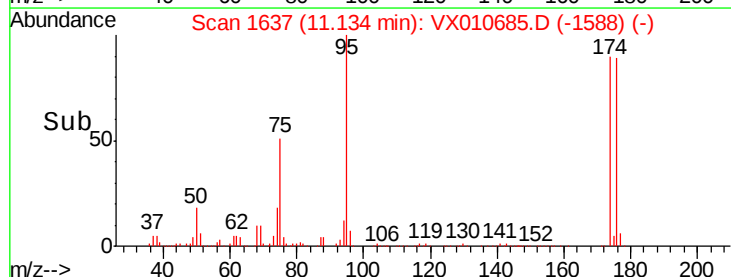
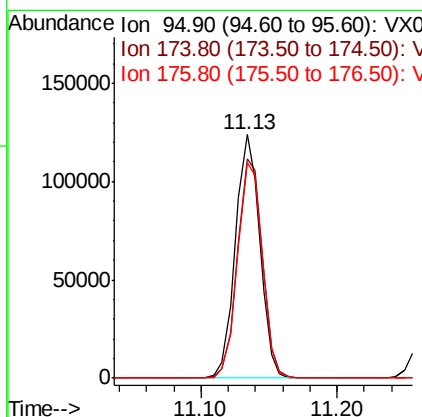
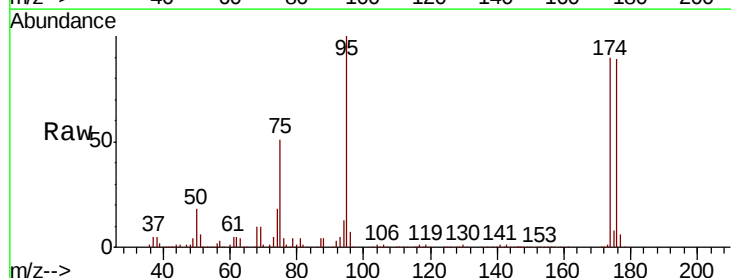
Manual Integrations
 APPROVED

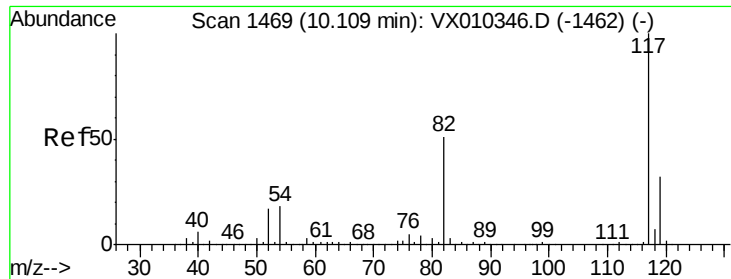
MMDadoda
 7/9/2019 11:10:49 AM



#62
 4-Bromofluorobenzene
 Concen: 49.465 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VX010685.D
 Acq: 08 Jul 2019 10:37

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.8	0.0	187.6
176	90.0	0.0	184.0





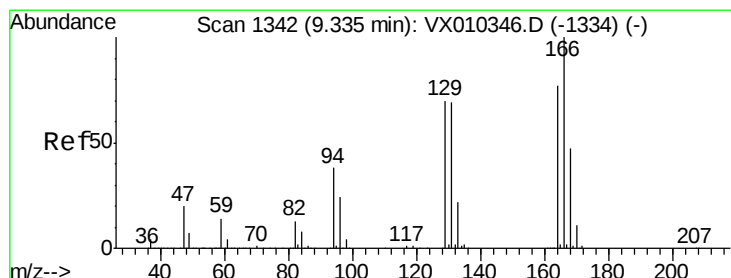
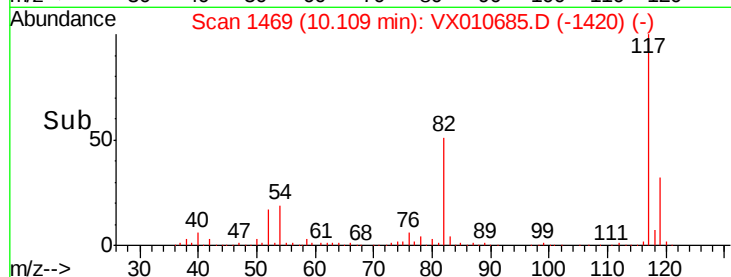
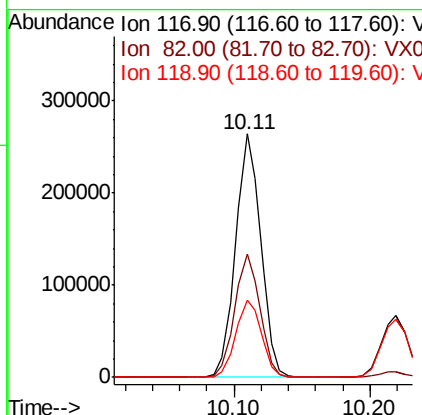
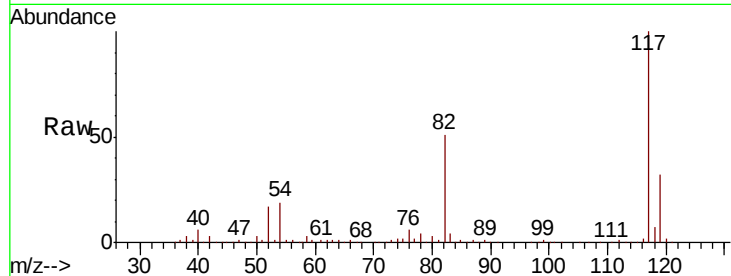
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010685.D
Acq: 08 Jul 2019 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	340964		
82	50.5	41.2	61.8	
119	31.7	25.5	38.3	

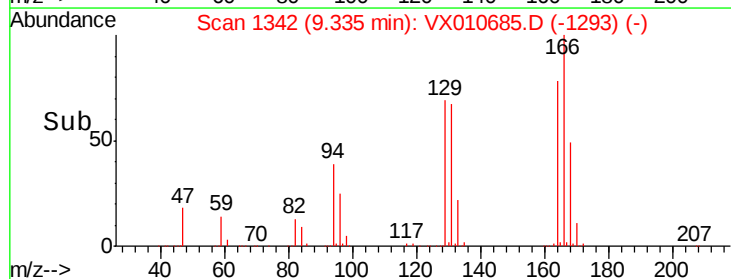
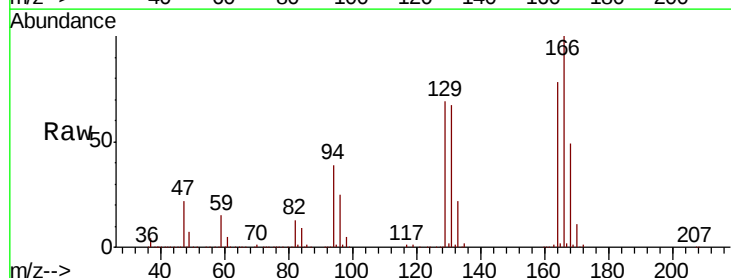
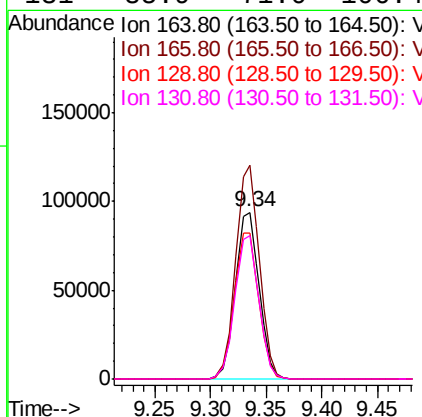
Manual Integrations
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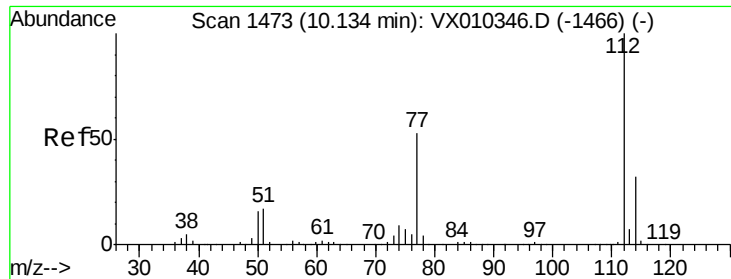
MMDadoda
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#64
Tetrachloroethene
Concen: 50.257 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010685.D
Acq: 08 Jul 2019 10:37

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	138598		
166	127.9	103.6	155.4	
129	87.7	73.0	109.4	
131	85.9	71.0	106.4	





#65

Chlorobenzene

Concen: 51.365 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX010685.D

Acq: 08 Jul 2019 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:112 Resp: 355559

Ion Ratio Lower Upper

112 100

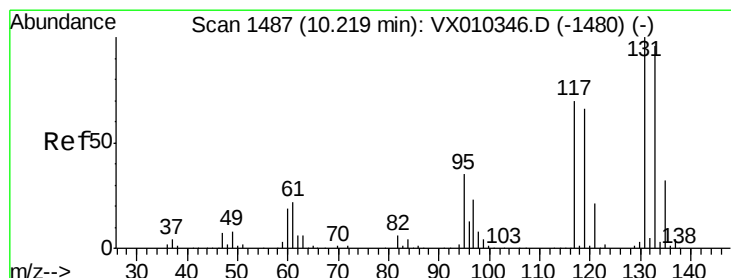
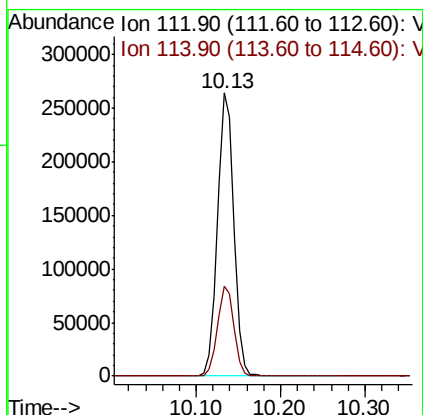
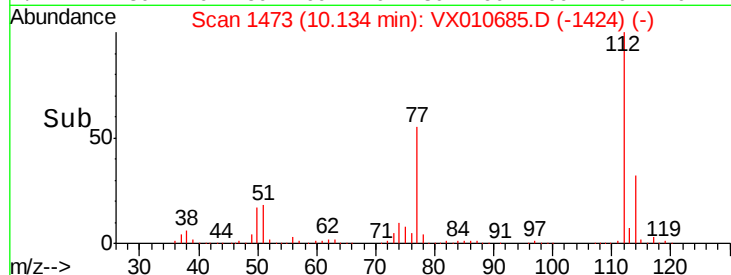
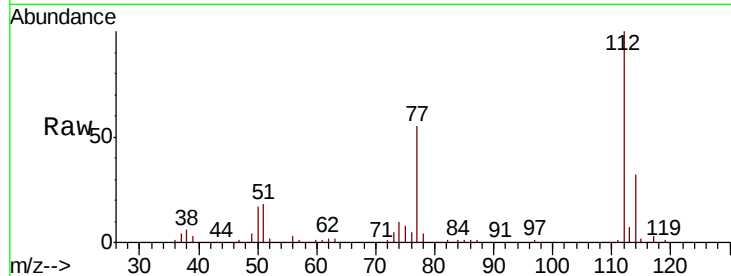
114 32.0 25.4 38.2

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 52.692 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX010685.D

Acq: 08 Jul 2019 10:37

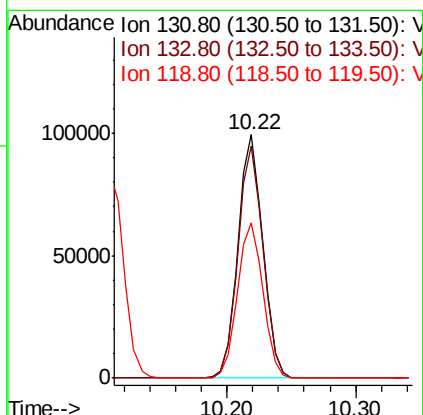
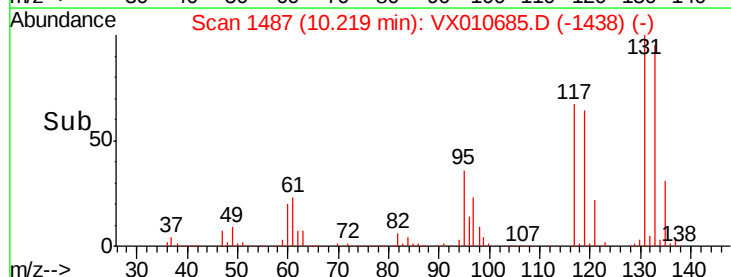
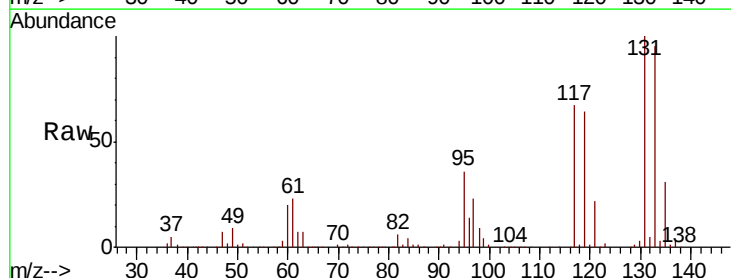
Tgt Ion:131 Resp: 132860

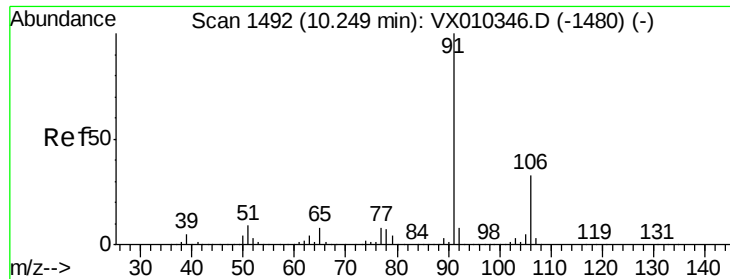
Ion Ratio Lower Upper

131 100

133 95.9 47.7 143.1

119 65.4 32.6 97.7





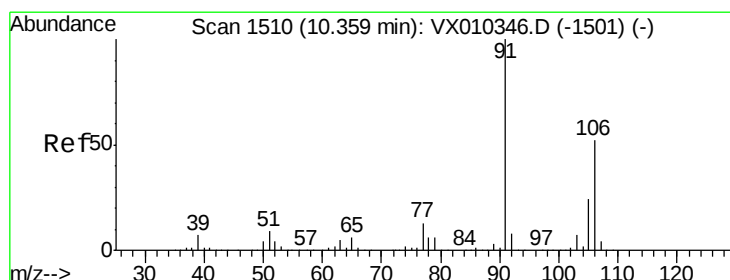
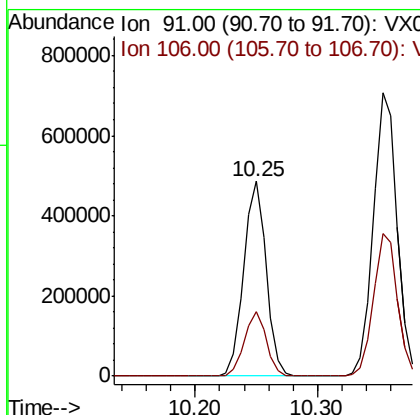
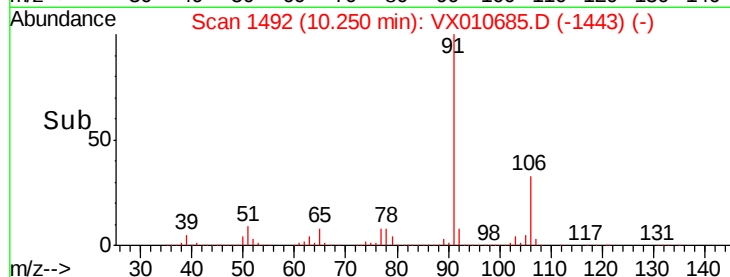
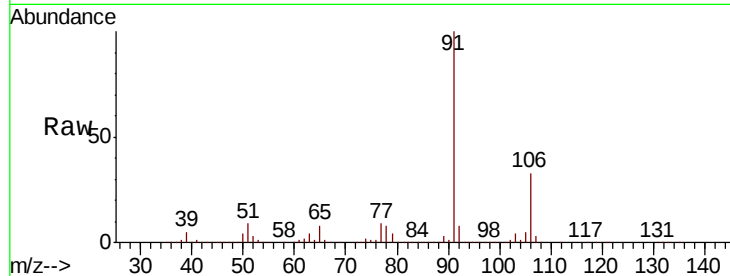
#67
Ethyl Benzene
Concen: 52.942 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX010685.D
Acq: 08 Jul 2019 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 618693
Ion Ratio Lower Upper
91 100
106 33.1 26.2 39.2

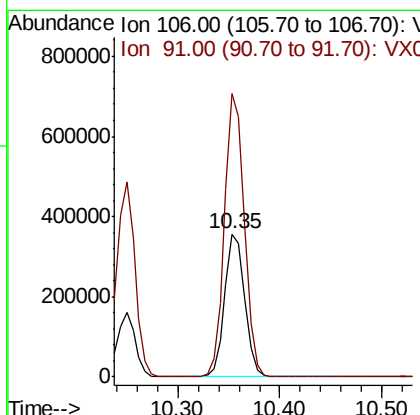
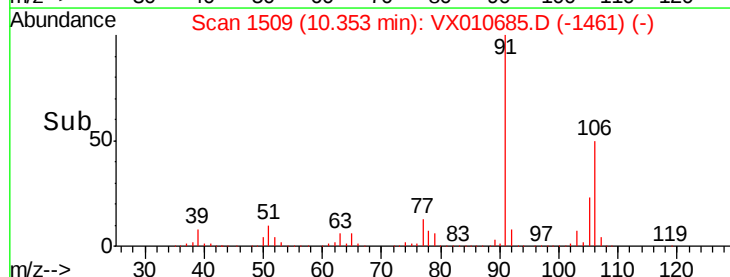
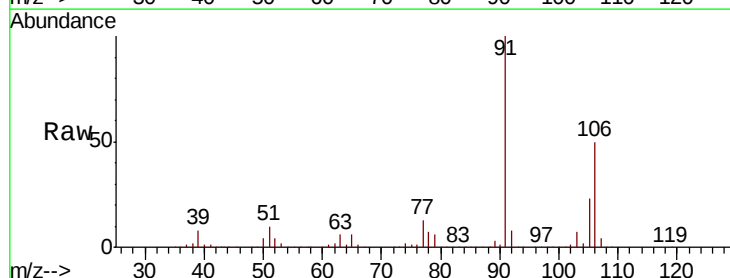
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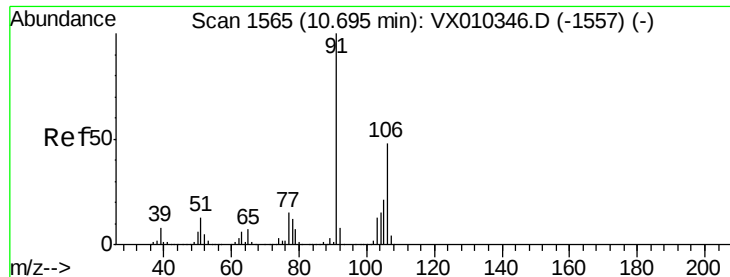
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#68
m/p-Xylenes
Concen: 106.850 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX010685.D
Acq: 08 Jul 2019 10:37

Tgt Ion: 106 Resp: 483832
Ion Ratio Lower Upper
106 100
91 197.0 155.3 232.9





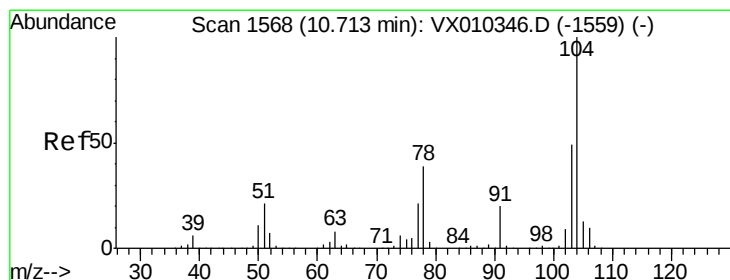
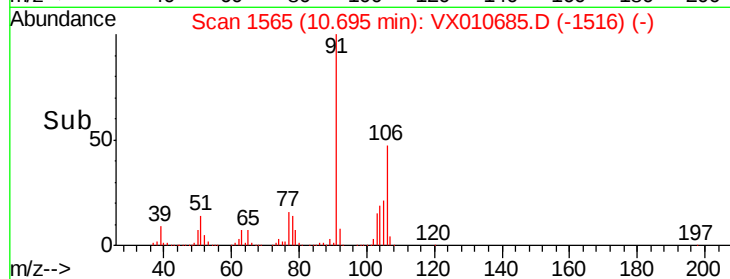
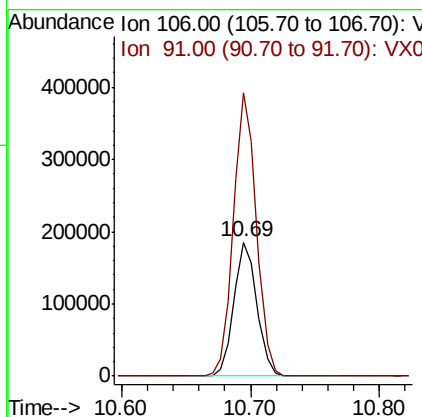
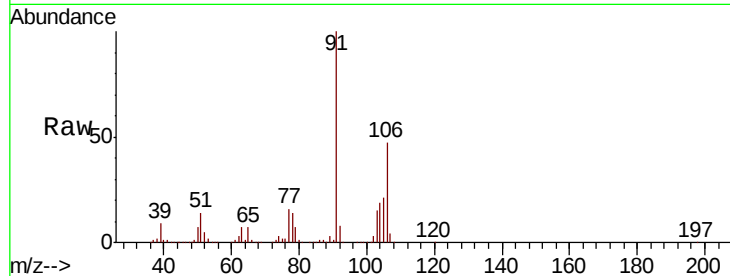
#69
o-Xylene
Concen: 51.974 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010685.D
Acq: 08 Jul 2019 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 231440
Ion Ratio Lower Upper
106 100
91 210.3 102.7 308.1

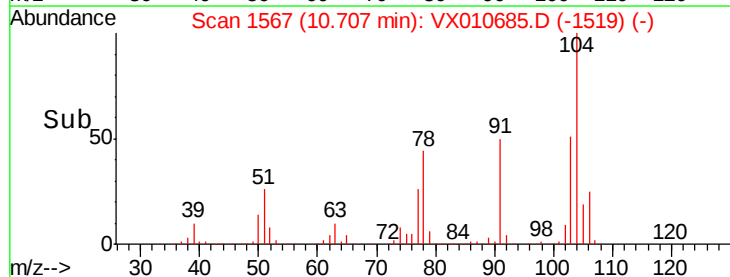
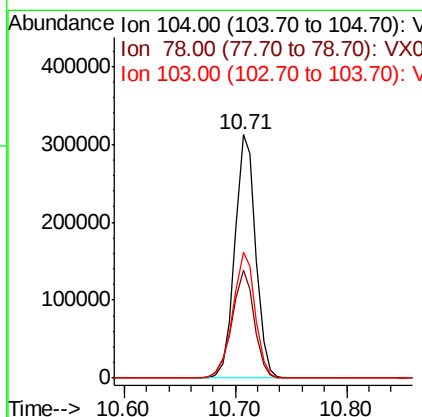
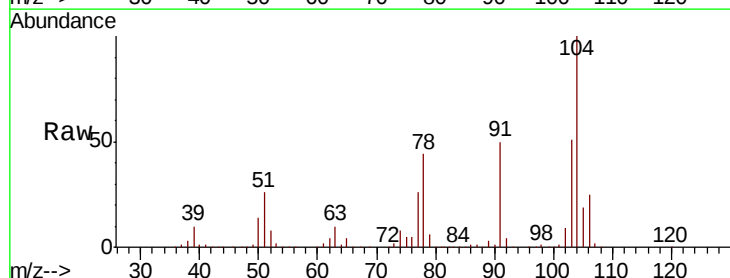
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#70
Styrene
Concen: 53.925 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX010685.D
Acq: 08 Jul 2019 10:37

Tgt Ion:104 Resp: 402702
Ion Ratio Lower Upper
104 100
78 47.6 36.2 54.2
103 55.4 44.2 66.4





#71

Bromoform

Concen: 52.652 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX010685.D

Acq: 08 Jul 2019 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:173 Resp: 115451

Ion Ratio Lower Upper

173 100

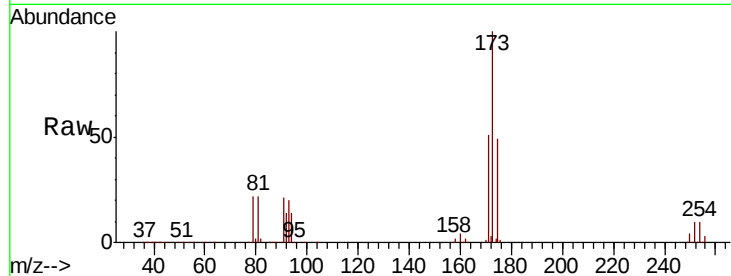
175 48.8 24.1 72.3

254 0.2 0.2 0.2

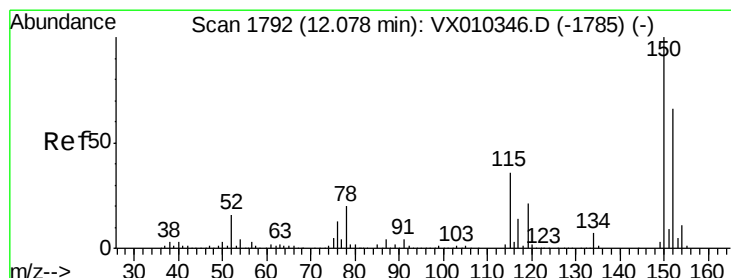
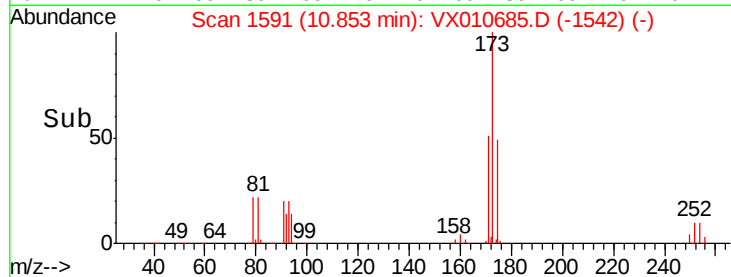
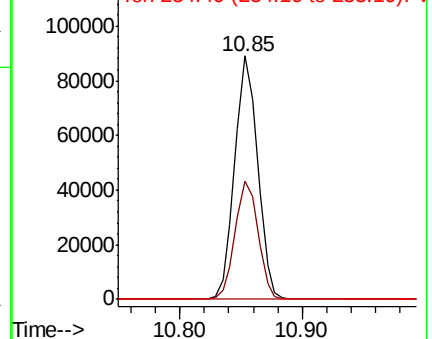
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX010685.D

Acq: 08 Jul 2019 10:37

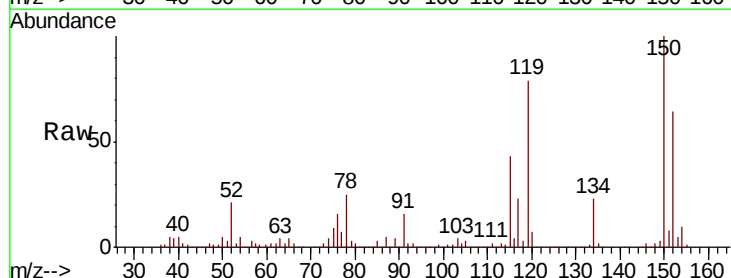
Tgt Ion:152 Resp: 184318

Ion Ratio Lower Upper

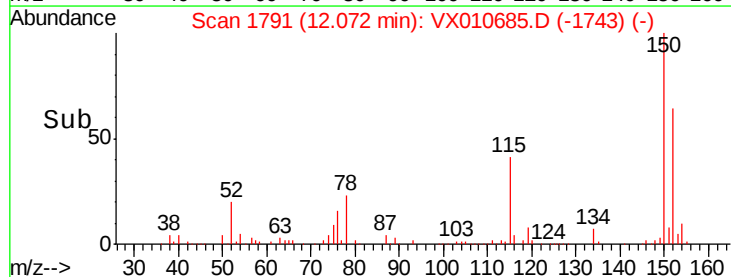
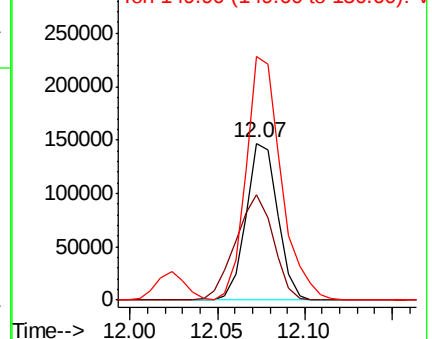
152 100

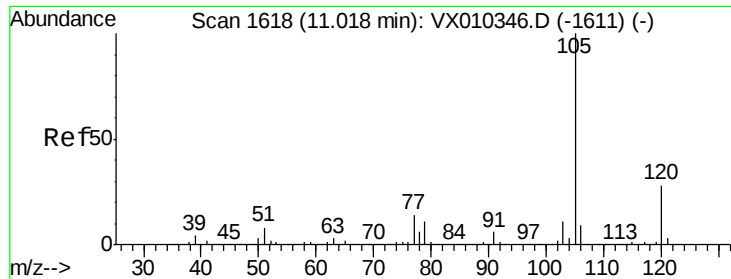
115 80.7 38.6 115.7

150 172.3 0.0 347.4



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





#73

Isopropylbenzene

Concen: 50.250 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010685.D

Acq: 08 Jul 2019 10:37

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tgt Ion: 105 Resp: 627844

Ion Ratio Lower Upper

105 100

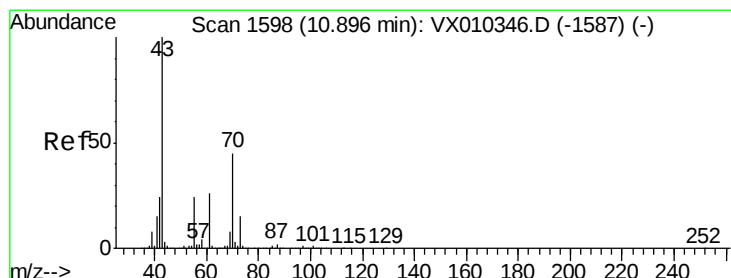
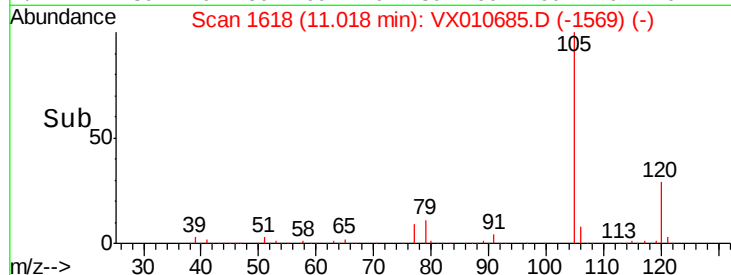
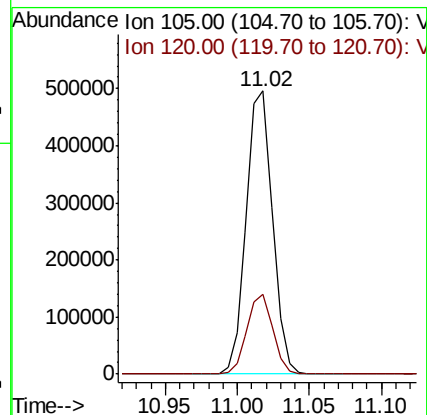
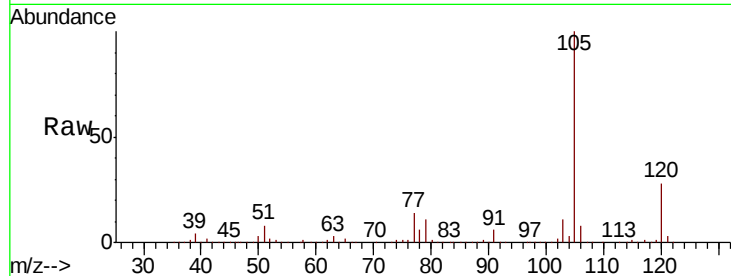
120 27.8 14.1 42.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 52.316 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX010685.D

Acq: 08 Jul 2019 10:37

Tgt Ion: 43 Resp: 247035

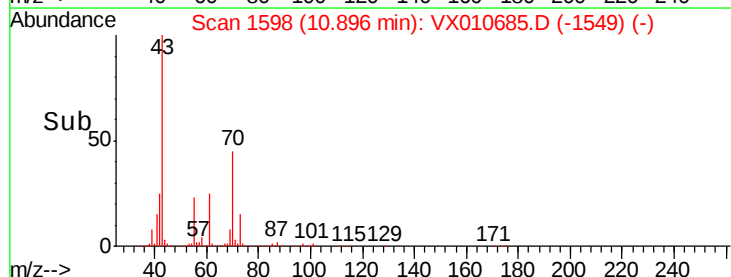
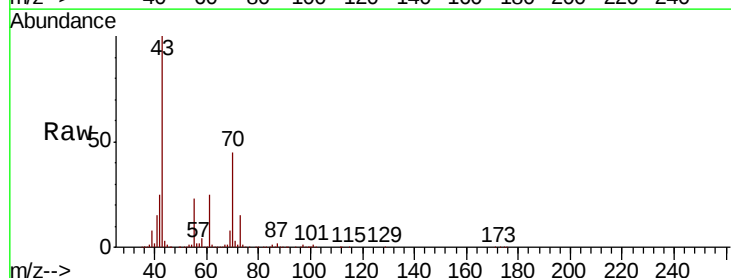
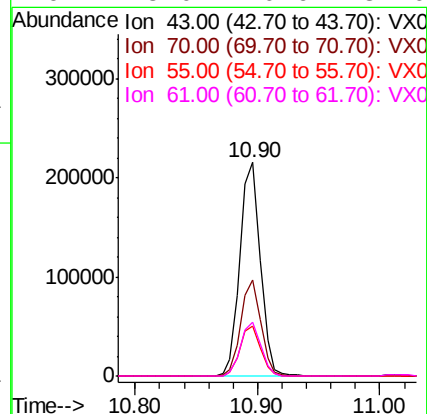
Ion Ratio Lower Upper

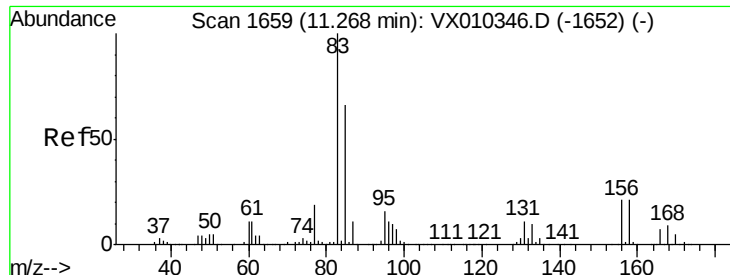
43 100

70 44.1 36.6 54.8

55 23.6 18.7 28.1

61 25.0 20.6 31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 48.363 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX010685.D

Acq: 08 Jul 2019 10:37

Instrument :

MSVOA_X

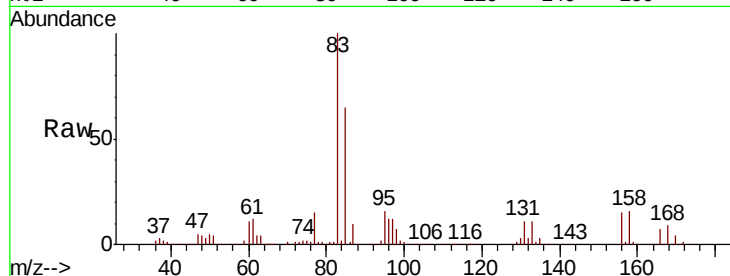
ClientSampleId :

VSTDCCC050

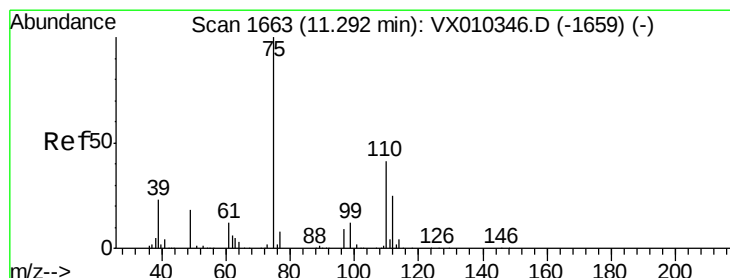
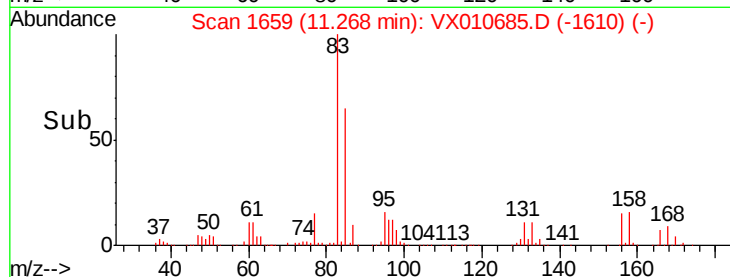
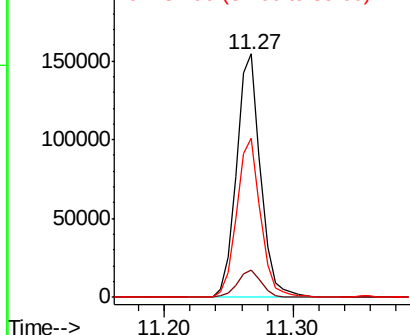
Tgt Ion:	83	Resp:	200119
Ion	Ratio	Lower	Upper
83	100		
131	11.2	5.5	16.4
85	64.9	32.3	96.8

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



#76

1,2,3-Trichloropropane

Concen: 51.055 ug/l m

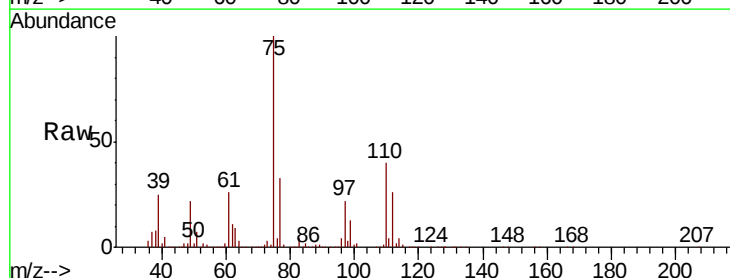
RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

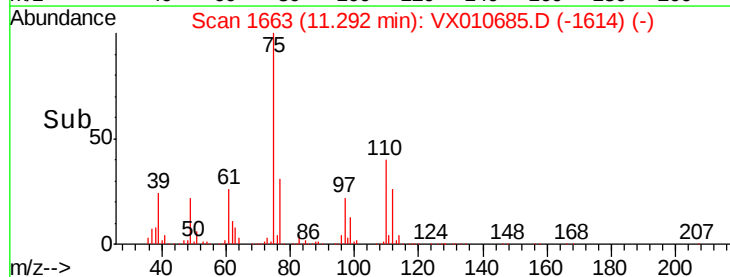
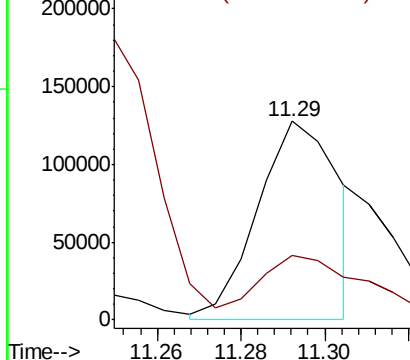
Lab File: VX010685.D

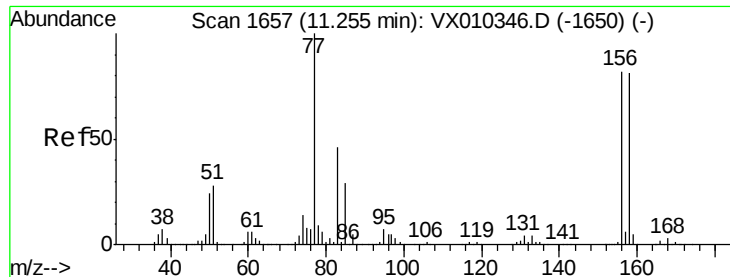
Acq: 08 Jul 2019 10:37

Tgt Ion:	75	Resp:	171481
Ion	Ratio	Lower	Upper
75	100		
77	43.4	22.6	67.8



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





#77

Bromobenzene

Concen: 49.079 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX010685.D

Acq: 08 Jul 2019 10:37

Instrument :

MSVOA_X

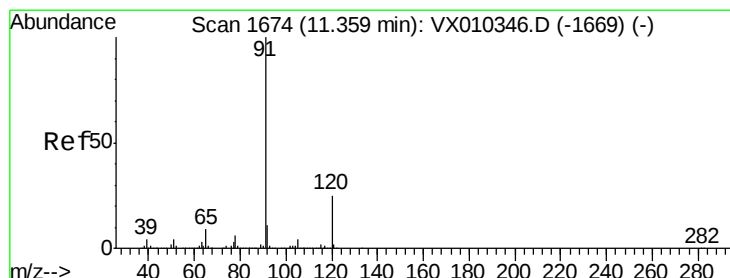
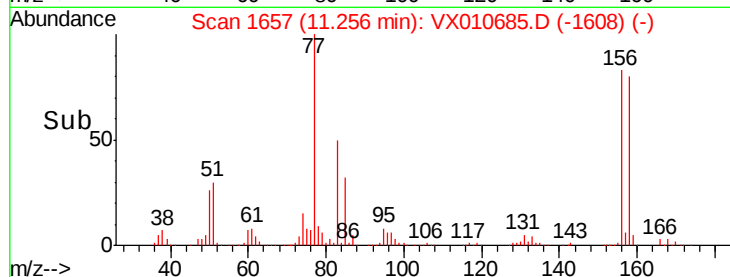
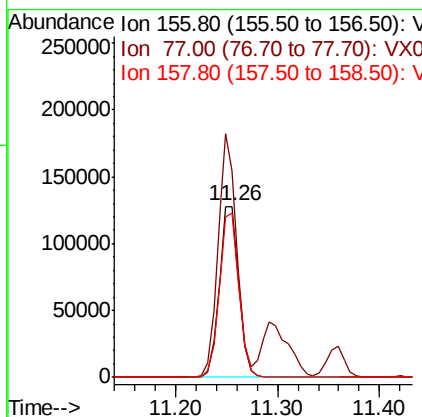
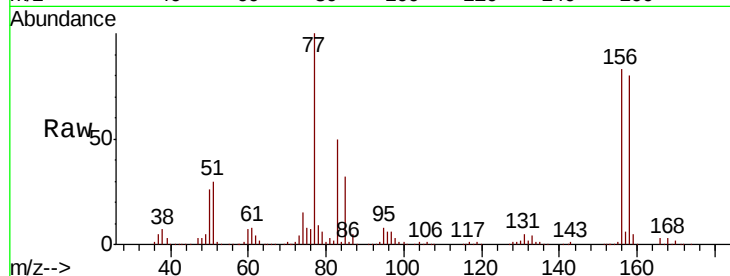
ClientSampleId :

VSTDCCC050

Tgt Ion:	156	Resp:	171227
Ion Ratio	Lower	Upper	
156	100		
77	136.1	66.3	198.7
158	96.4	48.9	146.7

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#78

n-propylbenzene

Concen: 52.630 ug/l

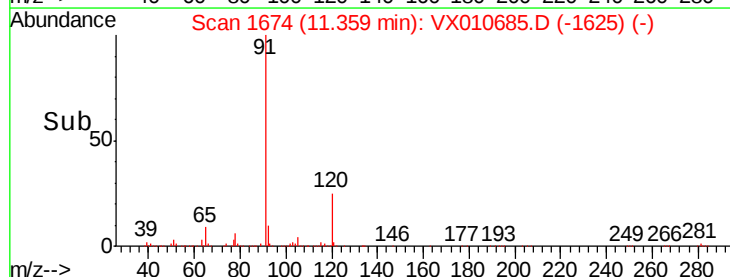
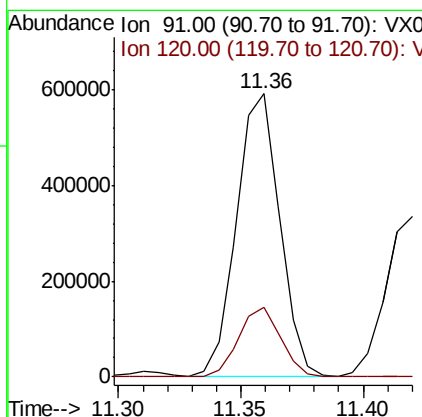
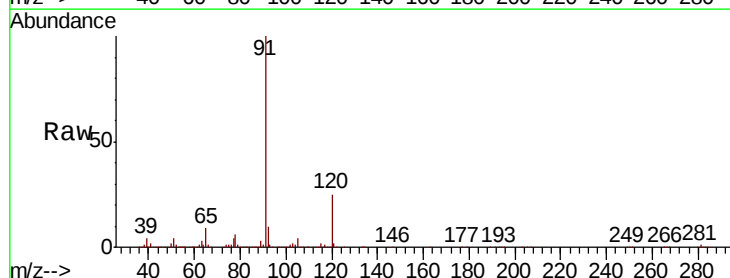
RT: 11.36 min Scan# 1674

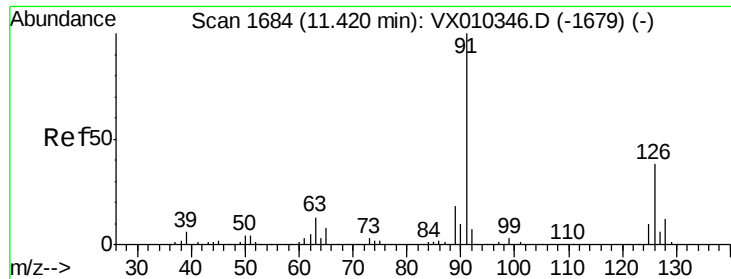
Delta R.T. 0.00 min

Lab File: VX010685.D

Acq: 08 Jul 2019 10:37

Tgt Ion:	91	Resp:	722720
Ion Ratio	Lower	Upper	
91	100		
120	24.3	12.4	37.4





#79

2-Chlorotoluene

Concen: 50.830 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX010685.D

Acq: 08 Jul 2019 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 415640

Ion Ratio Lower Upper

91 100

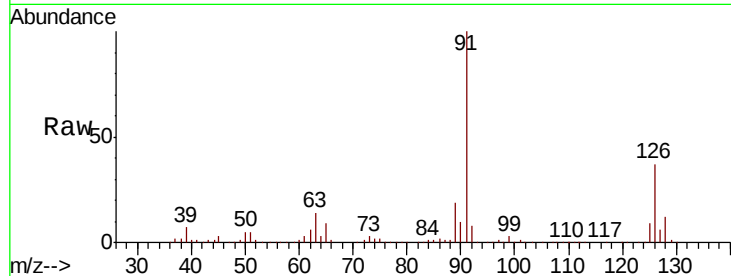
126 36.5 18.7 56.1

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Abundance Ion 91.00 (90.70 to 91.70): VX010346.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX010346.D (-1679) (-)

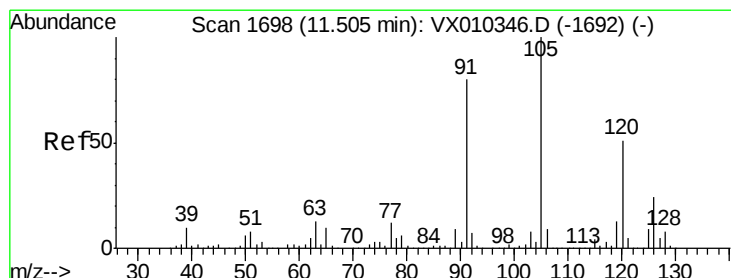
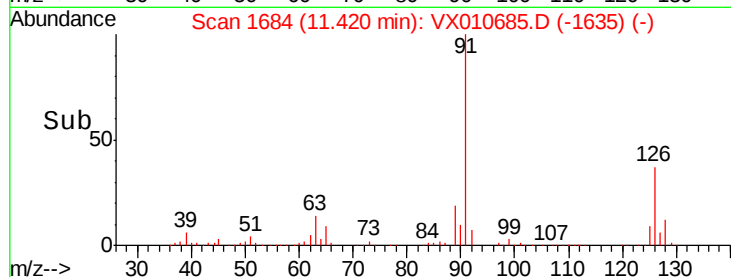
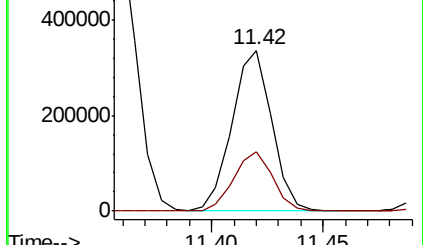
600000

400000

200000

0

11.40 11.42 11.45



#80

1,3,5-Trimethylbenzene

Concen: 52.026 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010685.D

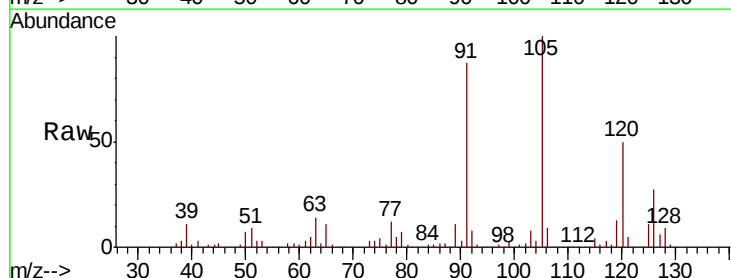
Acq: 08 Jul 2019 10:37

Tgt Ion: 105 Resp: 535882

Ion Ratio Lower Upper

105 100

120 50.0 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): VX010346.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX010346.D (-1692) (-)

500000

400000

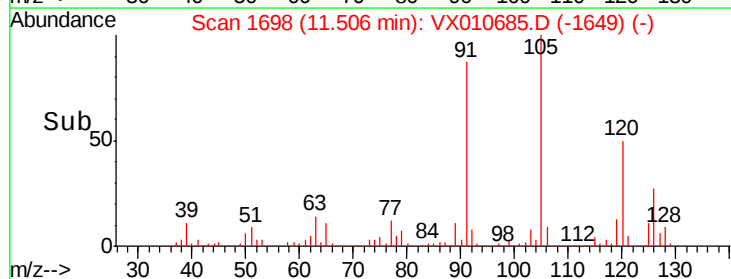
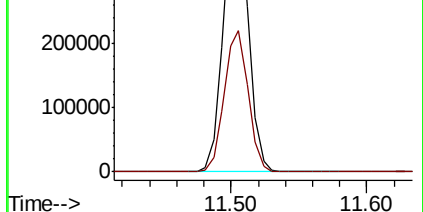
300000

200000

100000

0

11.50 11.51 11.60





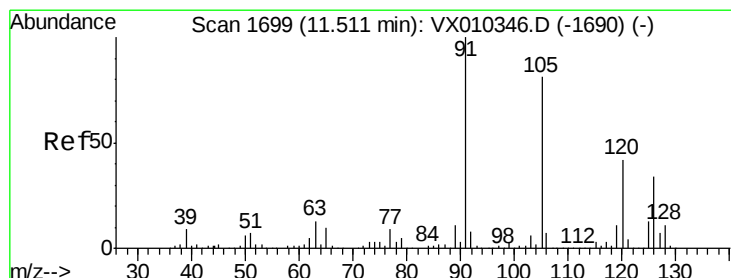
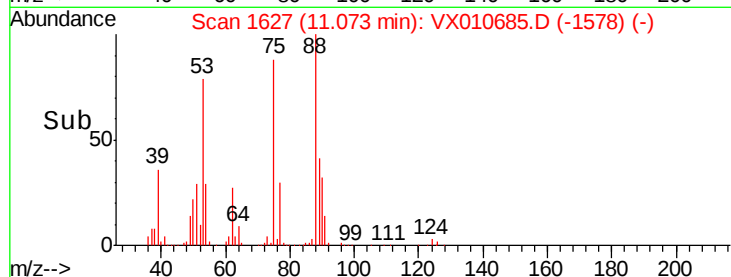
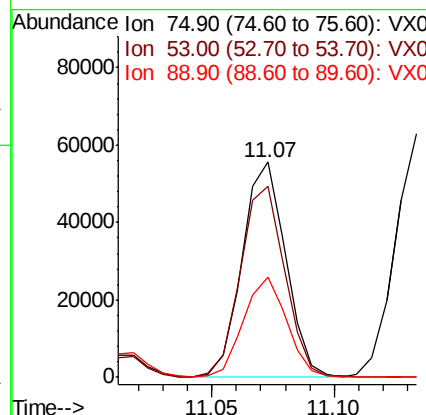
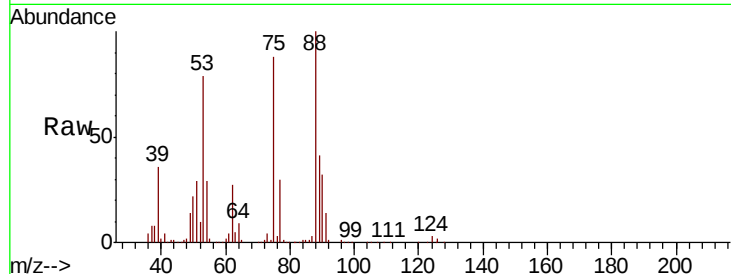
#81
trans-1,4-Dichloro-2-butene
Concen: 47.458 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX010685.D
Acq: 08 Jul 2019 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
75	100		
53	91.2	66.1	99.1
89	46.9	37.8	56.6

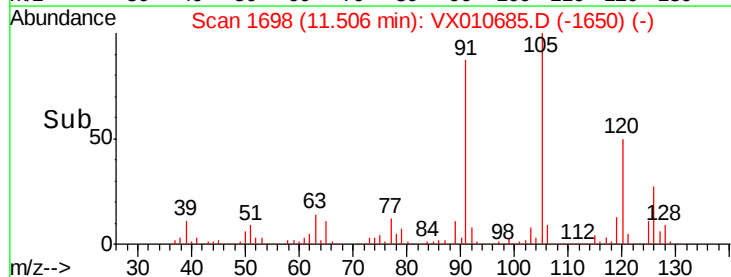
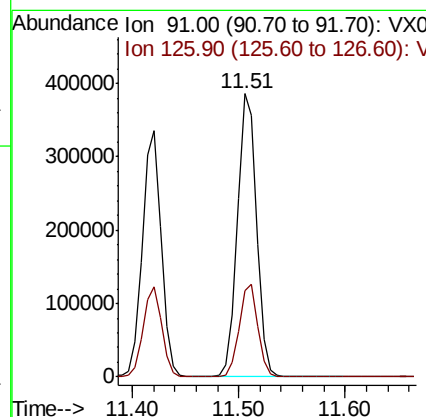
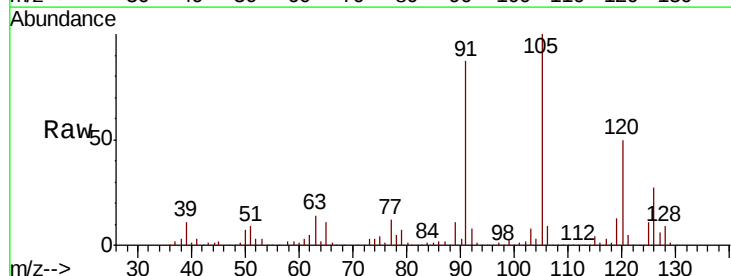
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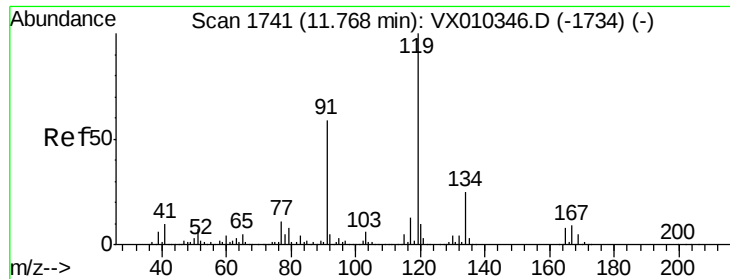
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#82
4-Chlorotoluene
Concen: 52.557 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.01 min
Lab File: VX010685.D
Acq: 08 Jul 2019 10:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.0	16.2	48.6





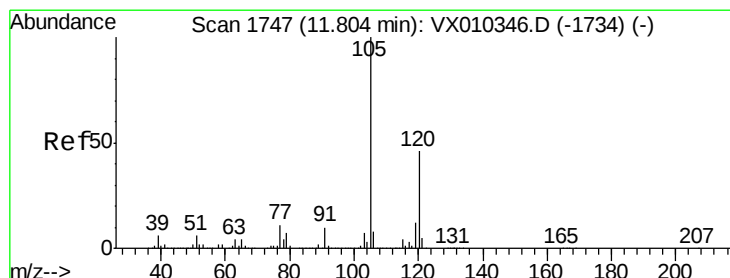
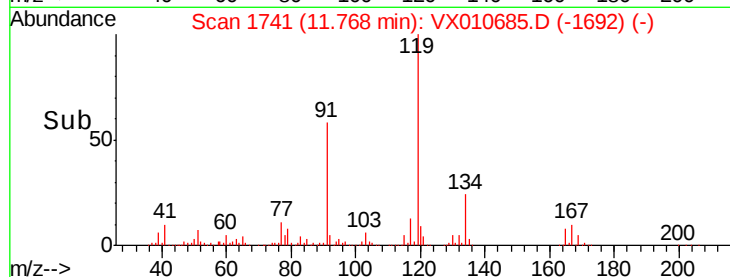
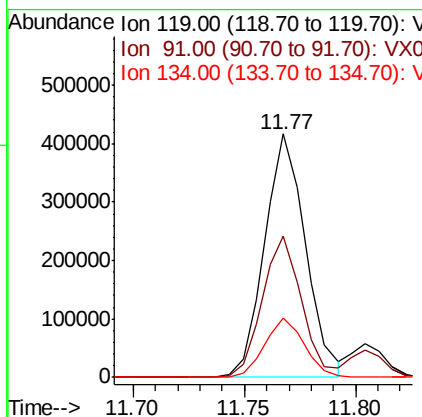
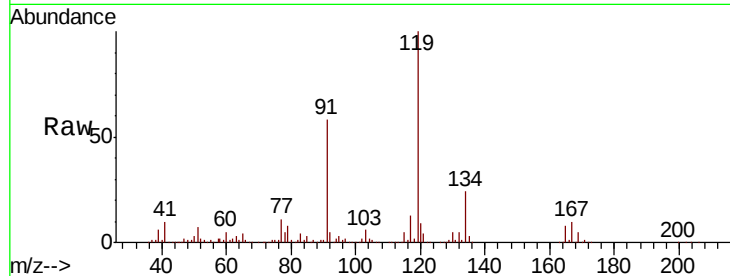
#83
 tert-Butylbenzene
 Concen: 51.554 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX010685.D
 Acq: 08 Jul 2019 10:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	532973		
91	55.8	27.6	82.7	
134	23.5	11.8	35.4	

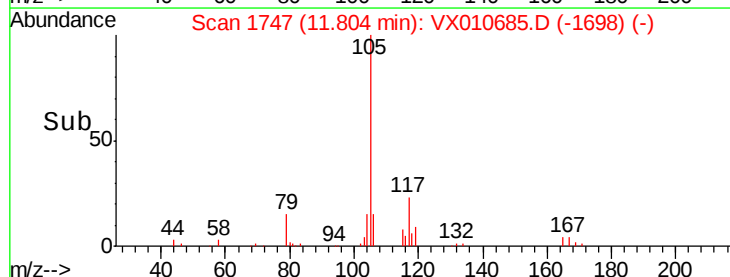
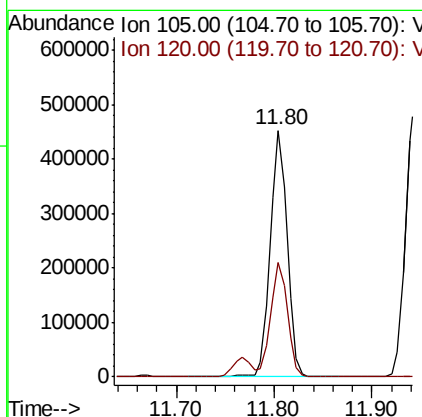
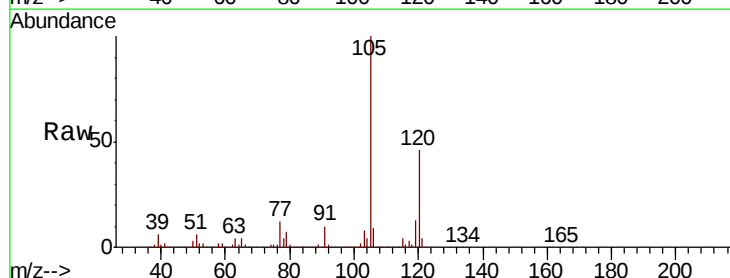
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#84
 1,2,4-Trimethylbenzene
 Concen: 52.670 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX010685.D
 Acq: 08 Jul 2019 10:37

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	545056		
120	46.1	23.1	69.2	





#85

sec-Butylbenzene

Concen: 51.912 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010685.D

Acq: 08 Jul 2019 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 630124

Ion Ratio Lower Upper

105 100

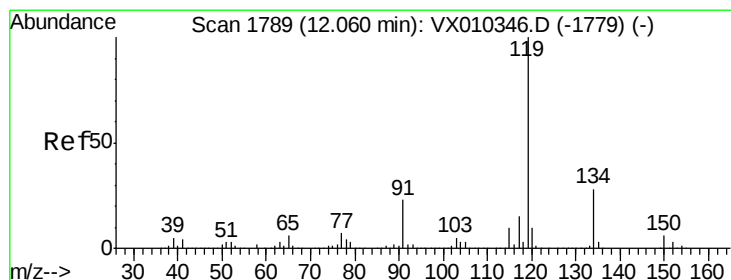
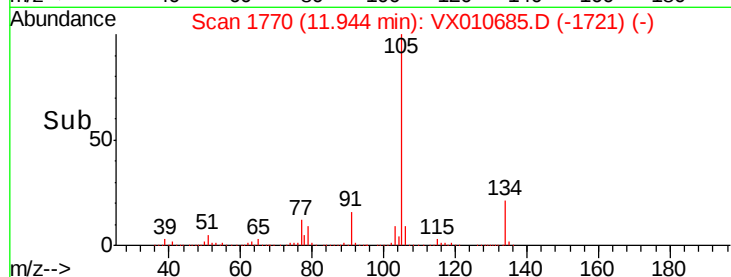
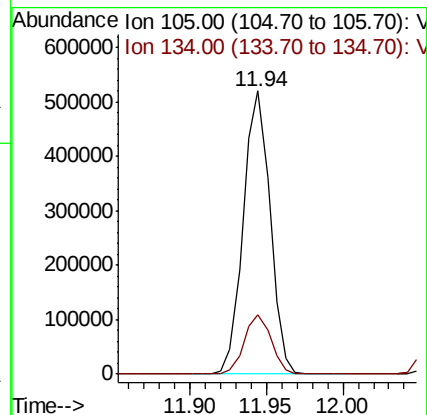
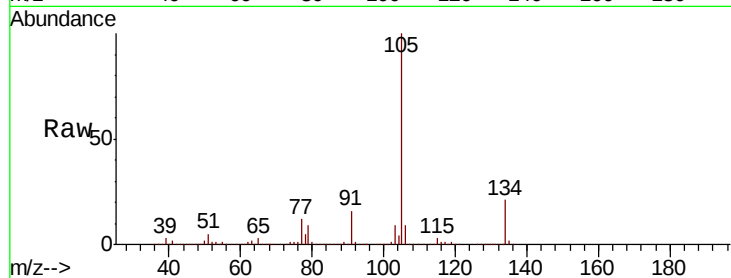
134 21.0 10.7 31.9

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#86

p-Isopropyltoluene

Concen: 52.667 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010685.D

Acq: 08 Jul 2019 10:37

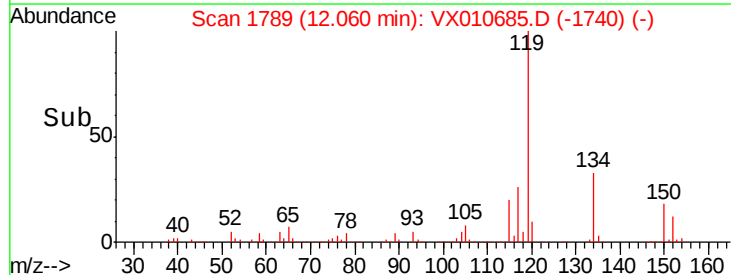
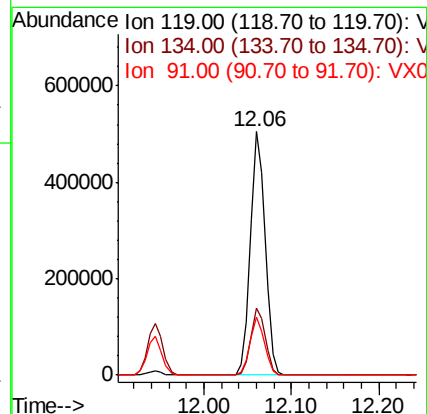
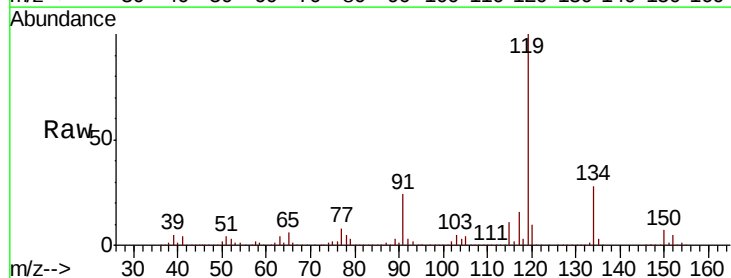
Tgt Ion:119 Resp: 591325

Ion Ratio Lower Upper

119 100

134 27.3 13.7 41.1

91 23.2 11.3 33.8





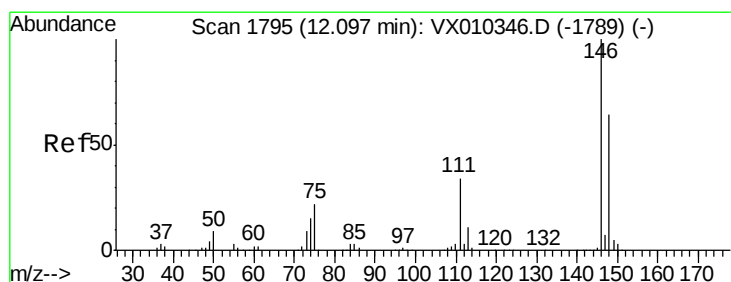
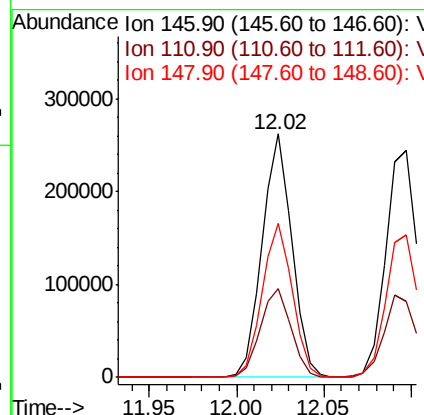
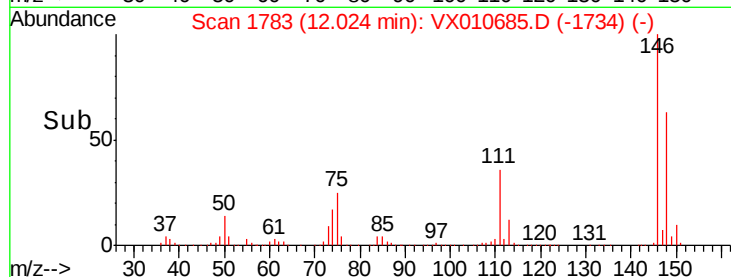
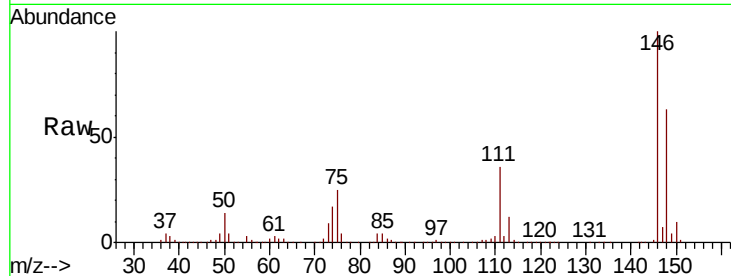
#87
 1,3-Dichlorobenzene
 Concen: 50.942 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX010685.D
 Acq: 08 Jul 2019 10:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.1	57.1
148	63.9	32.5	97.4

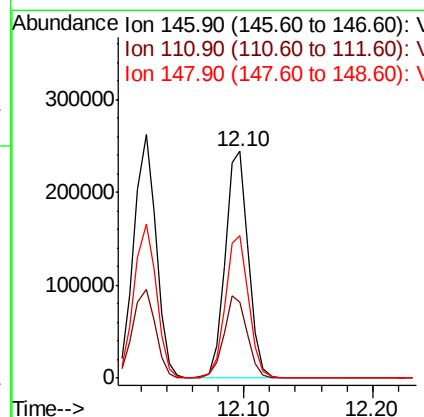
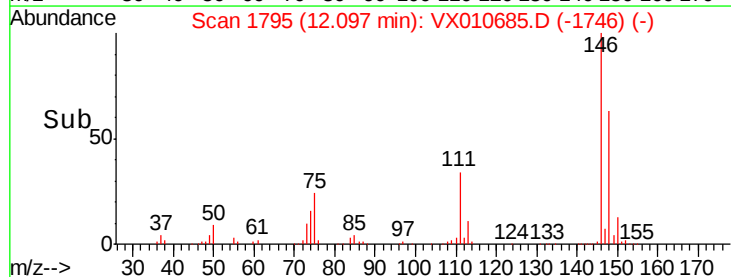
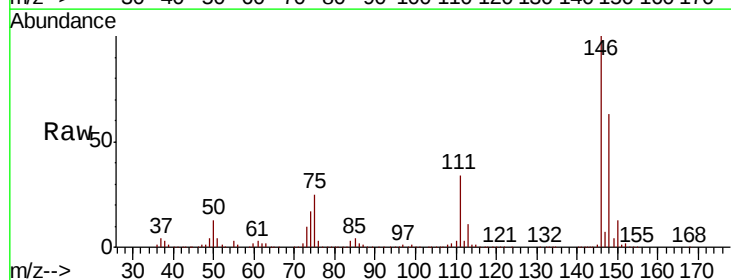
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#88
 1,4-Dichlorobenzene
 Concen: 49.776 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX010685.D
 Acq: 08 Jul 2019 10:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.1	54.3
148	63.7	32.1	96.3





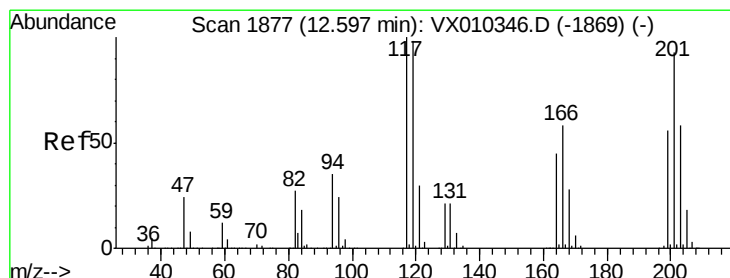
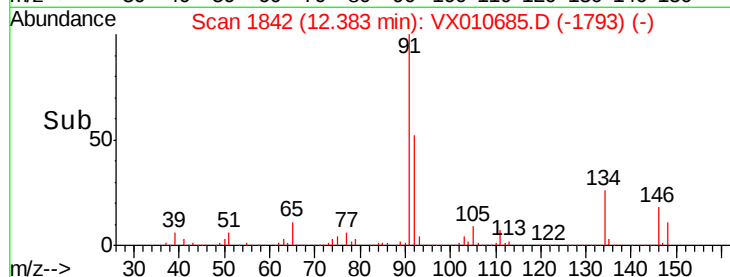
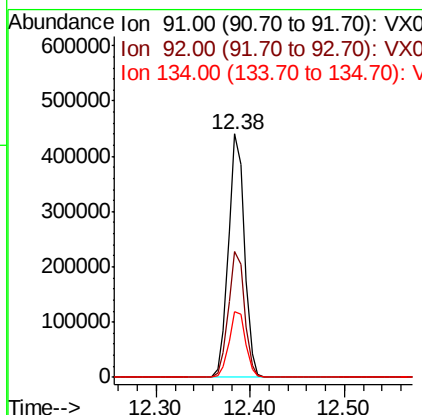
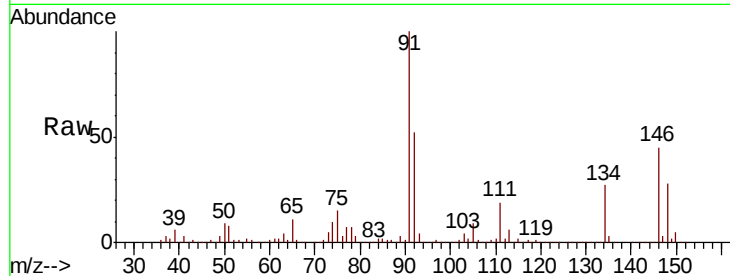
#89
n-Butylbenzene
Concen: 54.248 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010685.D
Acq: 08 Jul 2019 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.2	78.5
134	28.2	14.1	42.4

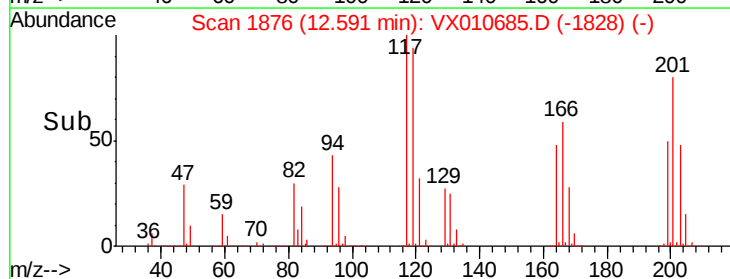
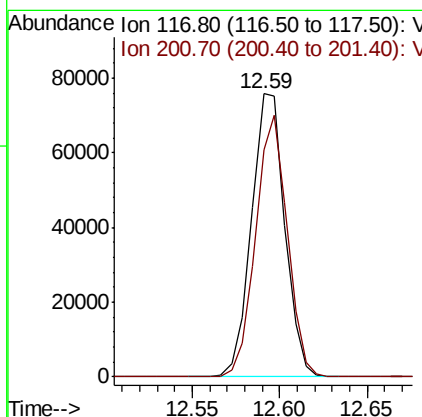
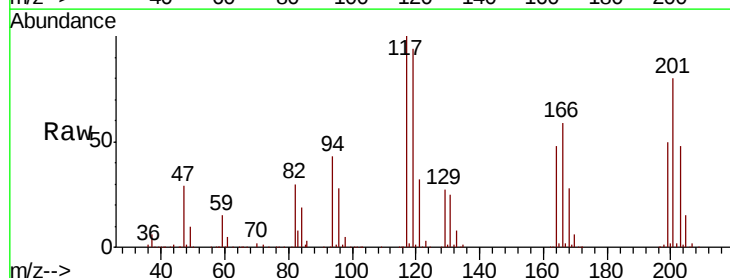
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#90
Hexachloroethane
Concen: 51.770 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX010685.D
Acq: 08 Jul 2019 10:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.6	44.0	131.8





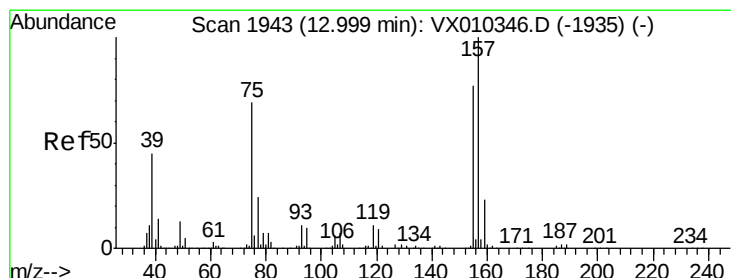
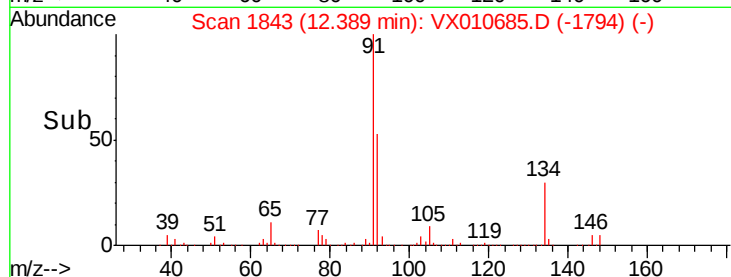
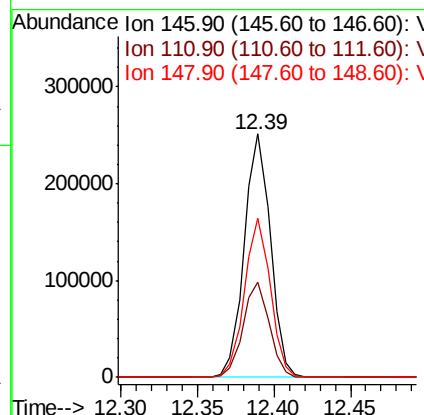
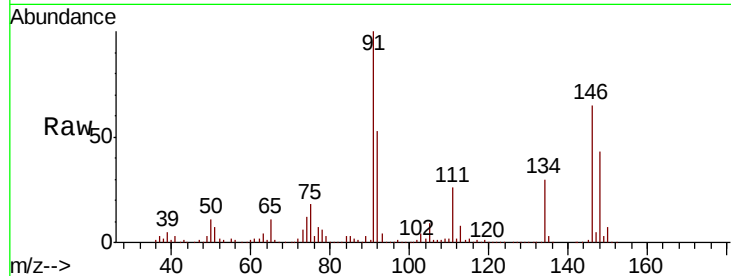
#91
 1,2-Dichlorobenzene
 Concen: 49.406 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX010685.D
 Acq: 08 Jul 2019 10:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	299036		
111	39.1	19.2	57.6	
148	64.5	32.0	96.0	

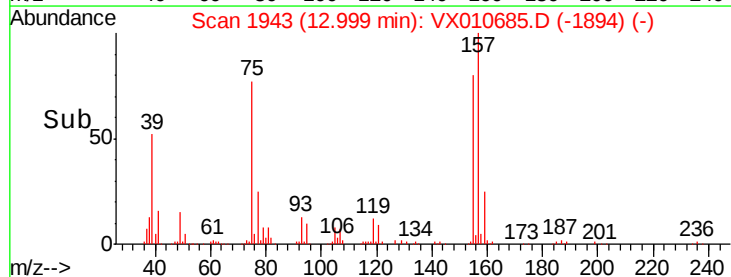
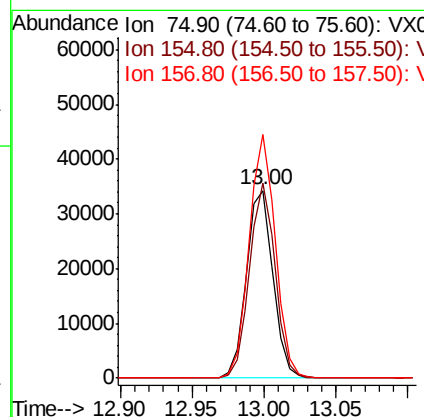
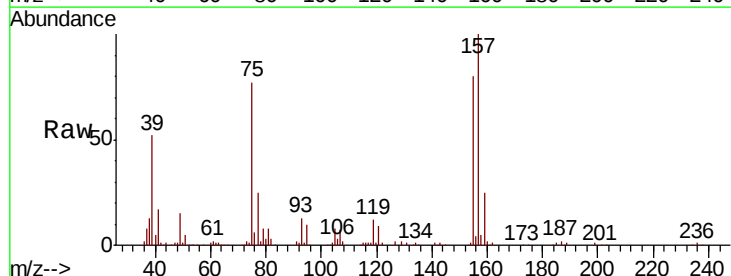
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.985 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX010685.D
 Acq: 08 Jul 2019 10:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	43701		
155	99.7	54.4	163.1	
157	127.1	69.5	208.3	





#93

1,2,4-Trichlorobenzene

Concen: 50.989 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. 0.00 min

Lab File: VX010685.D

Acq: 08 Jul 2019 10:37

Instrument :

MSVOA_X

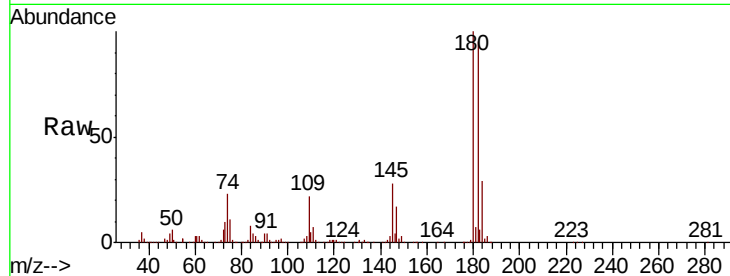
ClientSampleId :

VSTDCCC050

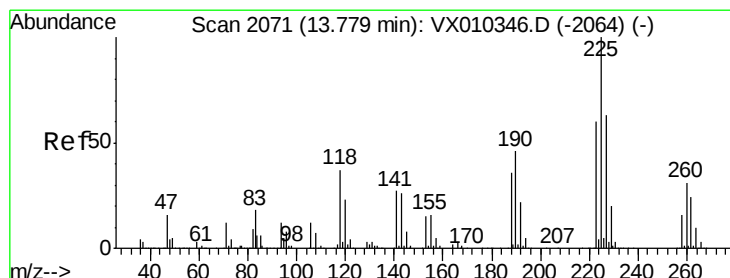
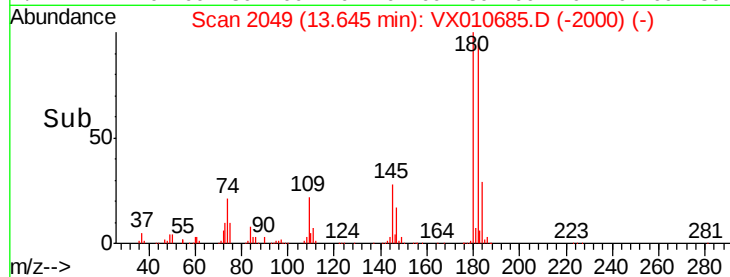
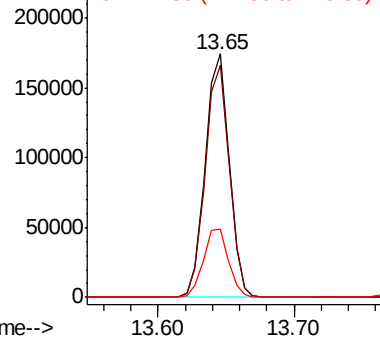
Tgt Ion:	180	Resp:	214021
Ion Ratio	Lower	Upper	
180	100		
182	95.7	48.0	144.0
145	29.4	14.4	43.4

Manual Integrations
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7/9/2019 11:10:49 AM



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 52.712 ug/l

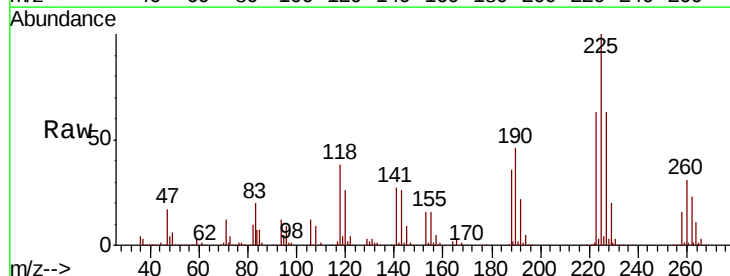
RT: 13.78 min Scan# 2071

Delta R.T. 0.00 min

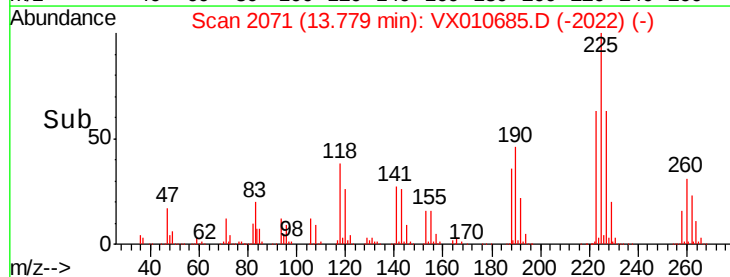
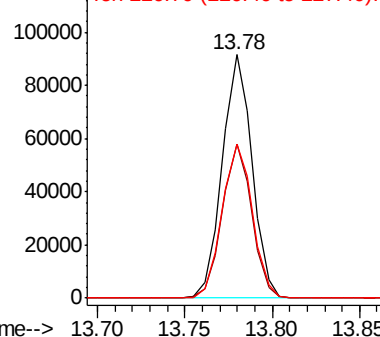
Lab File: VX010685.D

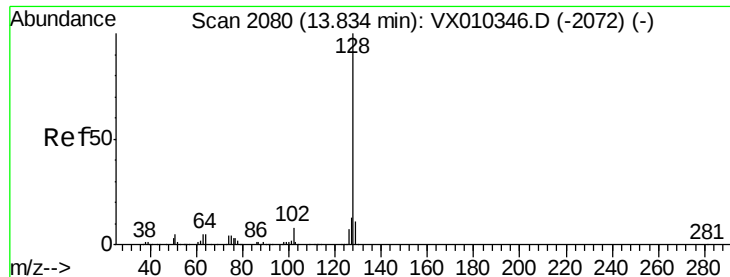
Acq: 08 Jul 2019 10:37

Tgt Ion:	225	Resp:	108135
Ion Ratio	Lower	Upper	
225	100		
223	62.7	30.9	92.7
227	64.7	31.9	95.5



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





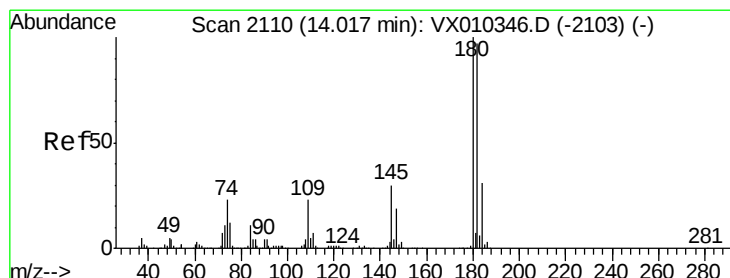
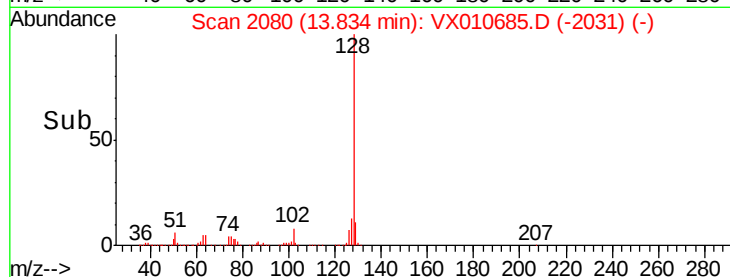
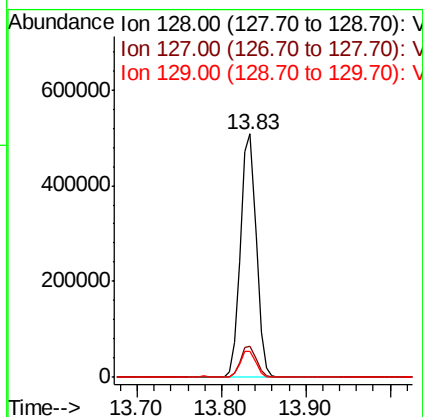
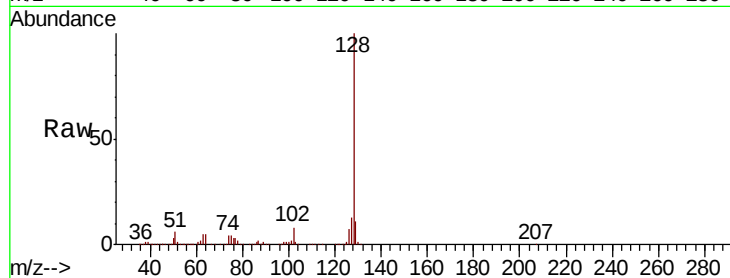
#95
Naphthalene
Concen: 48.850 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX010685.D
Acq: 08 Jul 2019 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.4
129	10.8	8.9	13.3

Manual Integrations
APPROVED

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7/9/2019 11:10:49 AM



#96
1,2,3-Trichlorobenzene
Concen: 50.613 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX010685.D
Acq: 08 Jul 2019 10:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.8	143.3
145	30.8	15.2	45.6

