

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX070219\
 Data File : VX010605.D
 Acq On : 02 Jul 2019 10:12
 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
 7/3/2019 9:29:33 AM

Quant Time: Jul 03 02:06:31 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	5.65	168	251384	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.85	114	362891	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	326469	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	170768	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	114713	48.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.34%	
35) Dibromofluoromethane	5.49	113	112222	50.54	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	101.08%	
50) Toluene-d8	8.71	98	420127	49.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.92%	
62) 4-Bromofluorobenzene	11.13	95	153497	50.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	81998	46.918	ug/l	99
3) Chloromethane	1.32	50	85888	42.204	ug/l	99
4) Vinyl Chloride	1.41	62	100273	44.985	ug/l	100
5) Bromomethane	1.64	94	51514	47.437	ug/l	99
6) Chloroethane	1.71	64	65640	49.913	ug/l	98
7) Trichlorofluoromethane	1.93	101	181168	51.271	ug/l	100
8) Diethyl Ether	2.19	74	64160	50.632	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	110643	51.670	ug/l	98
10) Methyl Iodide	2.51	142	142074	46.490	ug/l	98
11) Tert butyl alcohol	3.04	59	127449	206.648	ug/l	97
12) 1,1-Dichloroethene	2.37	96	105153	48.259	ug/l	99
13) Acrolein	2.29	56	128294	313.576	ug/l	99
14) Allyl chloride	2.73	41	154796	50.040	ug/l	99
15) Acrylonitrile	3.14	53	303312	248.396	ug/l	100
16) Acetone	2.44	43	321804	272.428	ug/l	97
17) Carbon Disulfide	2.57	76	241714	41.348	ug/l	100
18) Methyl Acetate	2.77	43	119732	50.857	ug/l	100
19) Methyl tert-butyl Ether	3.19	73	352785	51.466	ug/l	100
20) Methylene Chloride	2.85	84	120178	49.437	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	111637	47.637	ug/l	99
22) Diisopropyl ether	3.85	45	335114	51.813	ug/l	91
23) Vinyl Acetate	3.81	43	1462787	261.799	ug/l	99
24) 1,1-Dichloroethane	3.70	63	188646	50.459	ug/l	100
25) 2-Butanone	4.67	43	441556	254.832	ug/l	99
26) 2,2-Dichloropropane	4.57	77	166672	51.320	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	134663	49.726	ug/l	99
28) Bromochloromethane	5.01	49	86416	48.345	ug/l	97
29) Tetrahydrofuran	5.12	42	260348	242.575	ug/l	99
30) Chloroform	5.20	83	206911	51.438	ug/l	99
31) Cyclohexane	5.57	56	166445	48.890	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	181709	51.159	ug/l	100
36) 1,1-Dichloropropene	5.80	75	148329	51.436	ug/l	99
37) Ethyl Acetate	4.83	43	156560	52.773	ug/l	99
38) Carbon Tetrachloride	5.78	117	160680	51.456	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	194483	51.307	ug/l	97
40) Benzene	6.14	78	461342	51.350	ug/l	100
41) Methacrylonitrile	5.04	41	85510	52.532	ug/l	99
42) 1,2-Dichloroethane	6.18	62	152320	55.697	ug/l	97
43) Isopropyl Acetate	6.44	43	260040	52.980	ug/l	98
44) Trichloroethene	7.21	130	138048	51.351	ug/l	98
45) 1,2-Dichloropropane	7.51	63	118350	52.165	ug/l	97
46) Dibromomethane	7.66	93	86094	52.890	ug/l	97
47) Bromodichloromethane	7.89	83	158137	53.011	ug/l	97
48) Methyl methacrylate	7.76	41	120331	52.743	ug/l	99
49) 1,4-Dioxane	7.74	88	62560	951.880	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	827200	263.510	ug/l	99
52) Toluene	8.78	92	304868	51.529	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	177101	52.953	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	193632	53.276	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	130407	53.444	ug/l	99
56) Ethyl methacrylate	9.18	69	194912	52.731	ug/l	97
57) 1,3-Dichloropropane	9.37	76	201915	53.308	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	502469	286.225	ug/l	100
59) 2-Hexanone	9.49	43	640259	259.148	ug/l	98
60) Dibromochloromethane	9.58	129	144360	52.839	ug/l	100
61) 1,2-Dibromoethane	9.67	107	138185	52.467	ug/l	99
64) Tetrachloroethene	9.34	164	134857	51.071	ug/l	97
65) Chlorobenzene	10.13	112	351213	52.990	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	131587	54.504	ug/l	99
67) Ethyl Benzene	10.25	91	597513	53.400	ug/l	100
68) m/p-Xylenes	10.35	106	460549	106.224	ug/l	98
69) o-Xylene	10.69	106	224267	52.599	ug/l	100
70) Styrene	10.71	104	385997	53.983	ug/l	99
71) Bromoform	10.85	173	108400	51.632	ug/l	98
73) Isopropylbenzene	11.02	105	607175	52.451	ug/l	98
74) N-amyl acetate	10.90	43	230576	52.705	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	193806	50.554	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	165650m	53.232	ug/l	
77) Bromobenzene	11.25	156	164031	50.747	ug/l	99
78) n-propylbenzene	11.36	91	687265	54.020	ug/l	99
79) 2-Chlorotoluene	11.42	91	394340	52.052	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	502675	52.675	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	64528	48.376	ug/l	93
82) 4-Chlorotoluene	11.51	91	462426	53.642	ug/l	100
83) tert-Butylbenzene	11.77	119	509231	53.166	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	511359	53.335	ug/l	100
85) sec-Butylbenzene	11.94	105	604728	53.772	ug/l	99
86) p-Isopropyltoluene	12.06	119	563459	54.167	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	289835	51.369	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	293167	51.038	ug/l	99
89) n-Butylbenzene	12.38	91	492506	55.718	ug/l	99
90) Hexachloroethane	12.59	117	93808	52.154	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	283920	50.630	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	39797	48.148	ug/l	92

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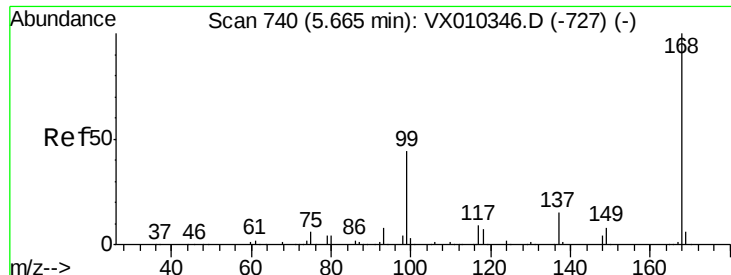
Manual Integrations
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QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	207707	53.411	ug/l	99
94) Hexachlorobutadiene	13.78	225	101992	53.663	ug/l	99
95) Naphthalene	13.83	128	609730	51.021	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	203409	52.608	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.01 min

Lab File: VX010605.D

Acq: 02 Jul 2019 10:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 251384

Ion Ratio Lower Upper

168 100

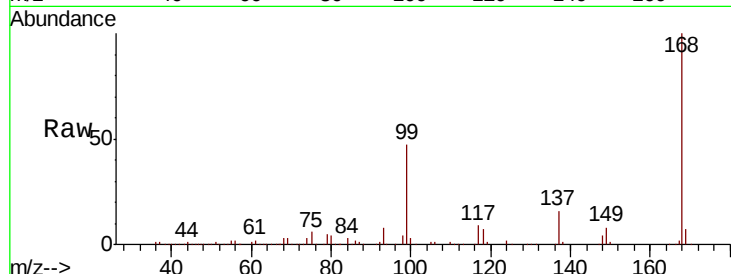
99 46.8 35.5 53.3

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

5.65

100000

80000

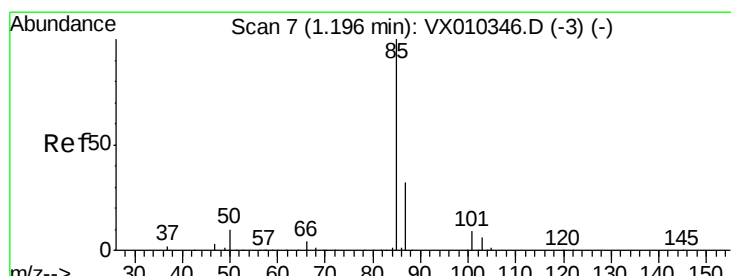
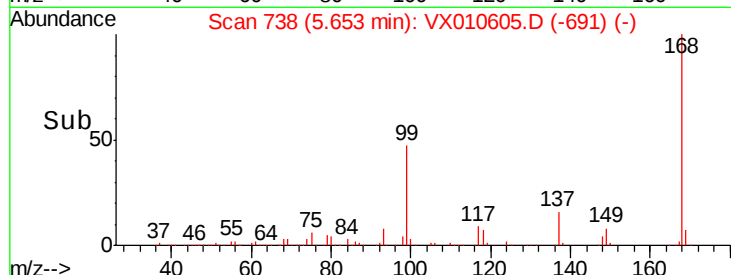
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 46.918 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010605.D

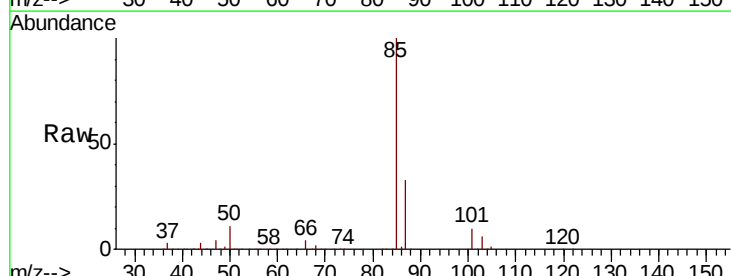
Acq: 02 Jul 2019 10:12

Tgt Ion: 85 Resp: 81998

Ion Ratio Lower Upper

85 100

87 33.0 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

80000

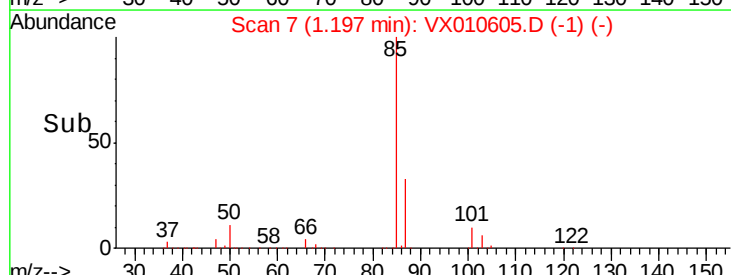
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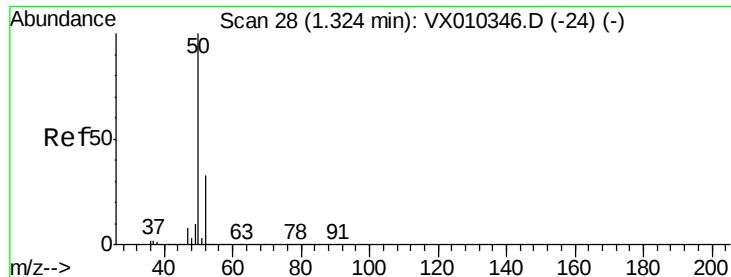
40000

20000

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Time-->





#3

Chloromethane

Concen: 42.204 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010605.D

Acq: 02 Jul 2019 10:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 85888

Ion Ratio Lower Upper

50 100

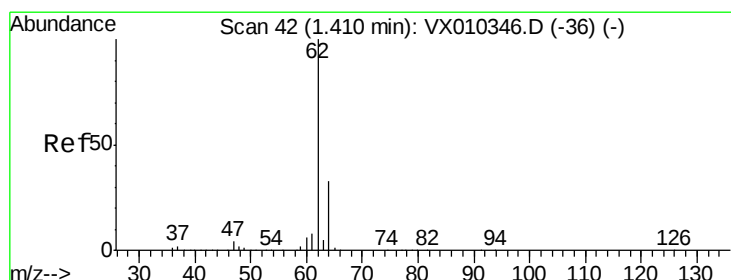
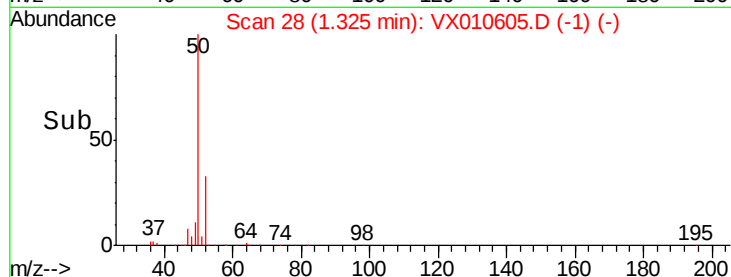
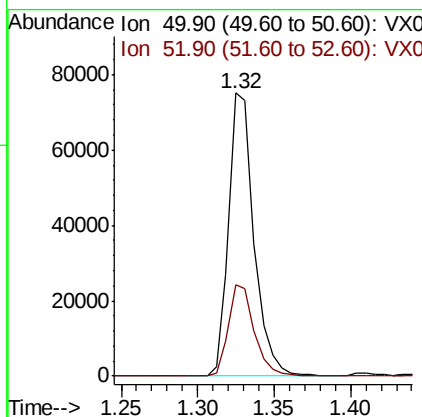
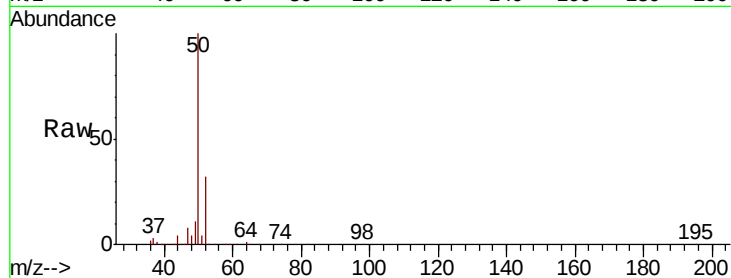
52 32.4 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 44.985 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010605.D

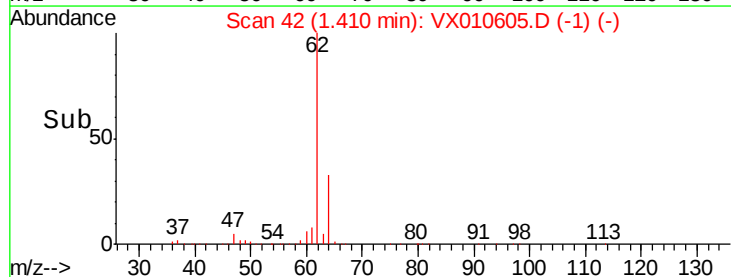
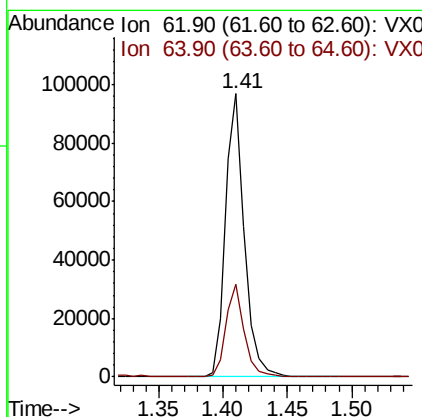
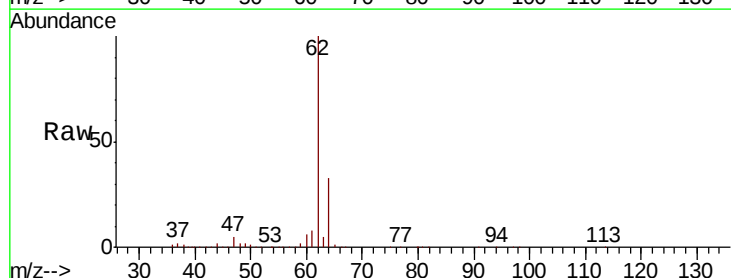
Acq: 02 Jul 2019 10:12

Tgt Ion: 62 Resp: 100273

Ion Ratio Lower Upper

62 100

64 32.8 26.2 39.4





#5

Bromomethane

Concen: 47.437 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX010605.D

Acq: 02 Jul 2019 10:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 51514

Ion Ratio Lower Upper

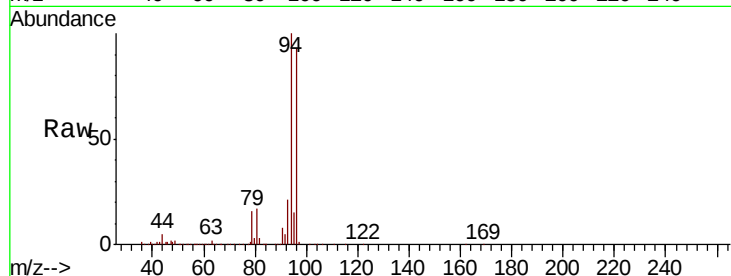
94 100

96 93.5 75.5 113.3

Manual Integrations
APPROVED

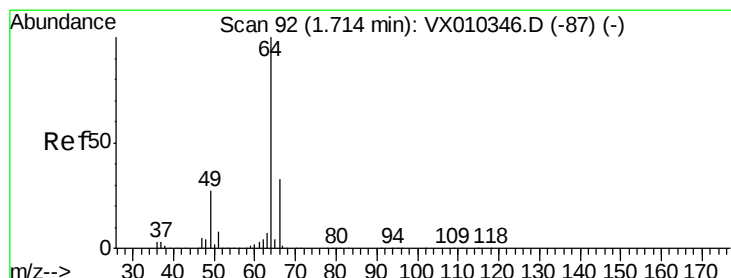
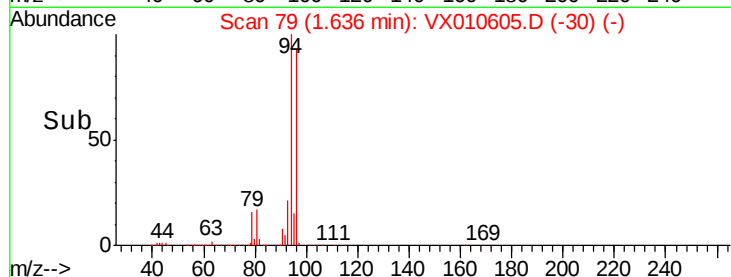
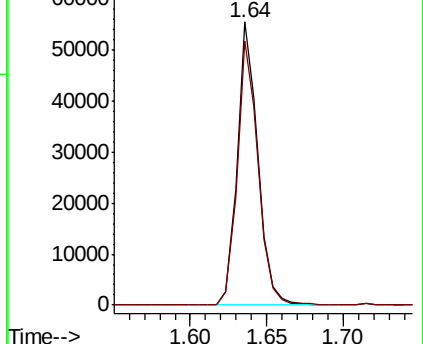
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 49.913 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX010605.D

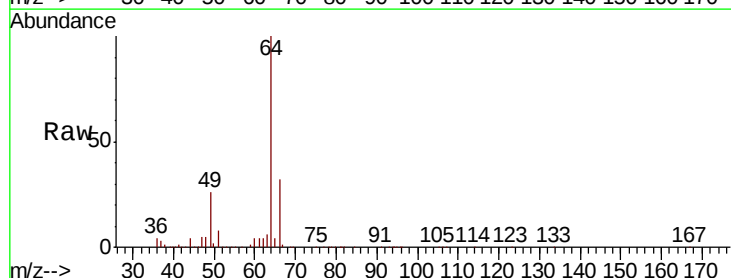
Acq: 02 Jul 2019 10:12

Tgt Ion: 64 Resp: 65640

Ion Ratio Lower Upper

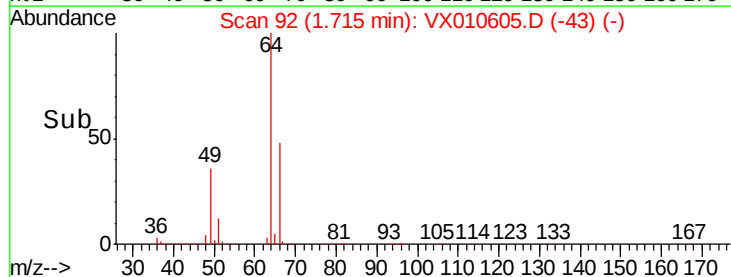
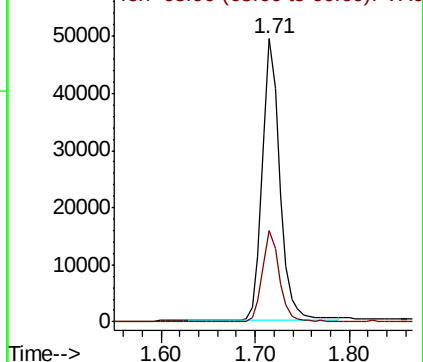
64 100

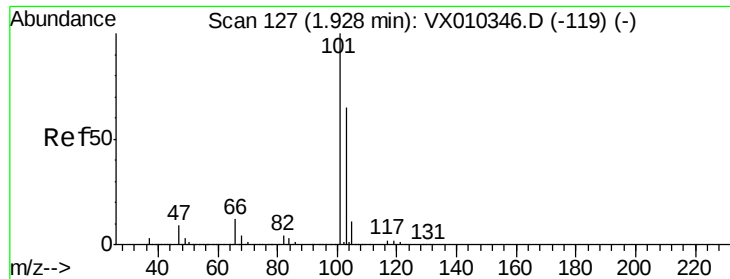
66 32.3 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

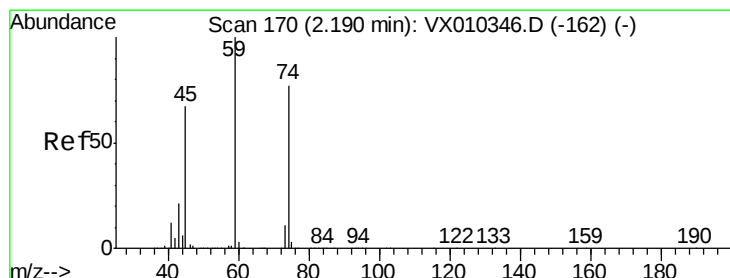
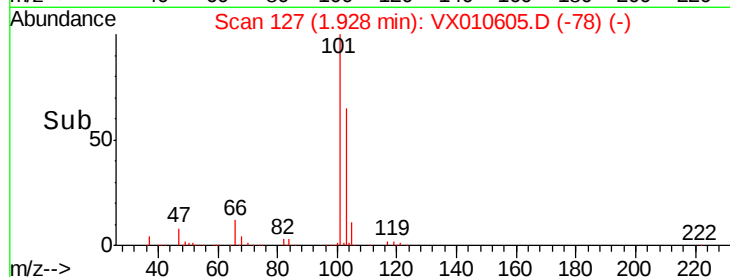
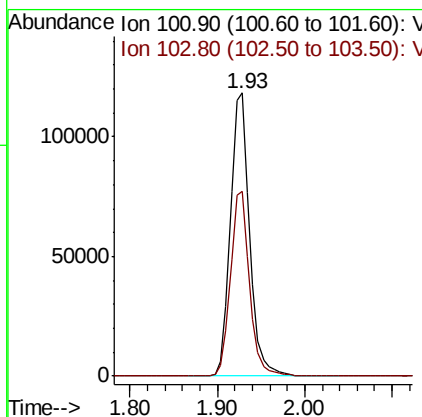
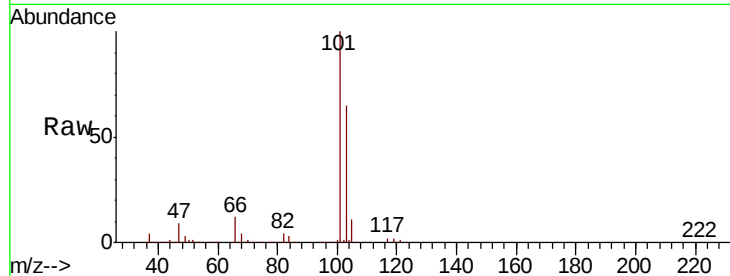
Trichlorofluoromethane
Concen: 51.271 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX010605.D
Acq: 02 Jul 2019 10:12

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	52.3	78.5

Manual Integrations
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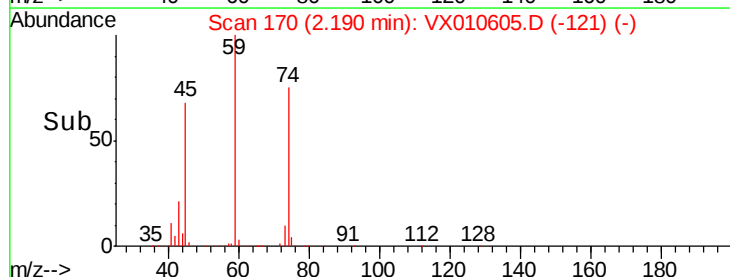
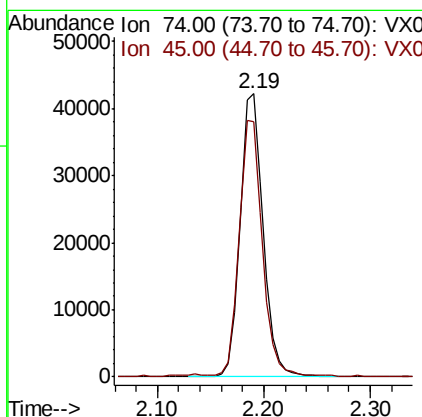
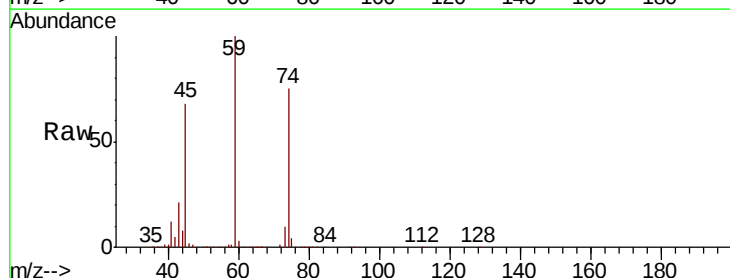
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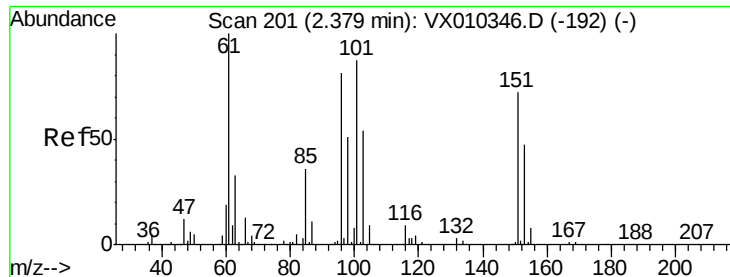


#8

Diethyl Ether
Concen: 50.632 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX010605.D
Acq: 02 Jul 2019 10:12

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.0	44.8	134.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.670 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX010605.D

Acq: 02 Jul 2019 10:12

Instrument :

MSVOA_X

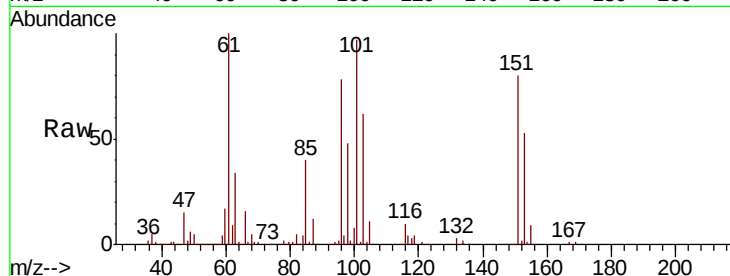
ClientSampleId :

VSTDCCC050

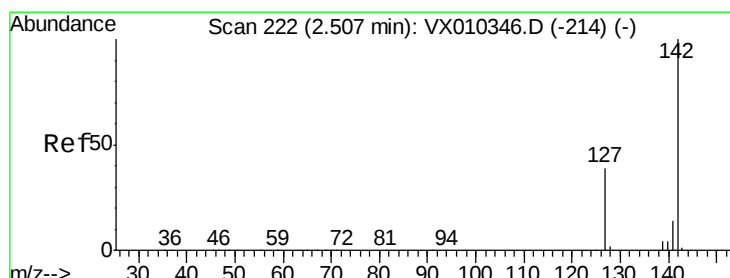
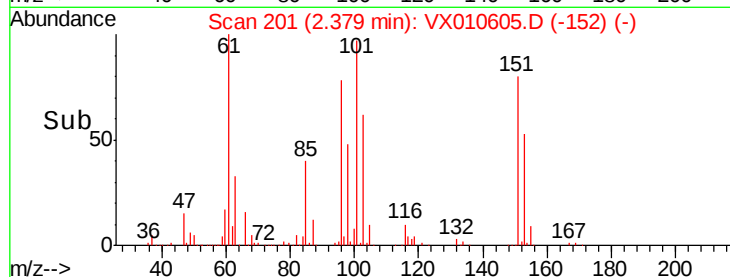
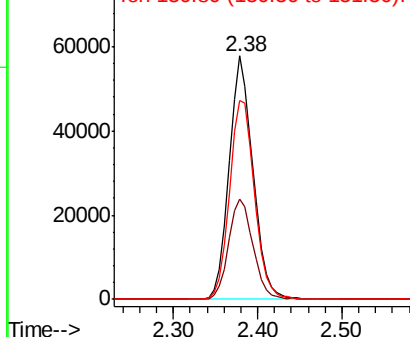
Tot Ion:	101	Resp:	110643
Ion Ratio	Lower	Upper	
101	100		
85	42.3	33.7	50.5
151	85.6	70.1	105.1

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 46.490 ug/l

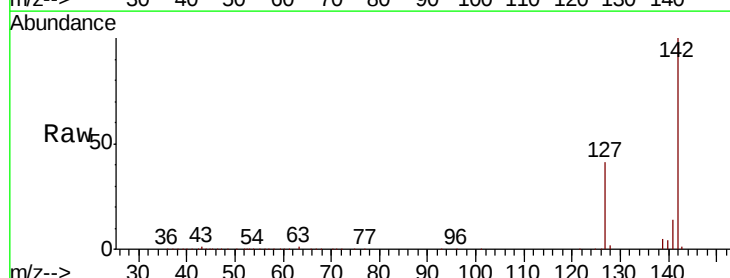
RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

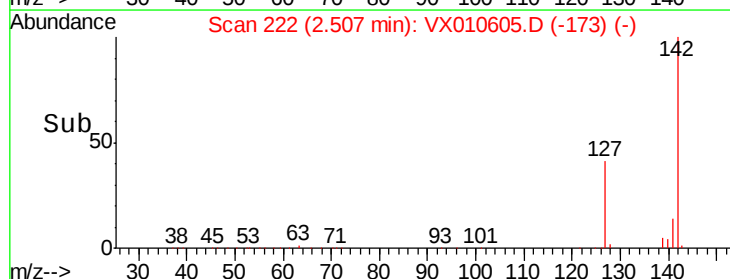
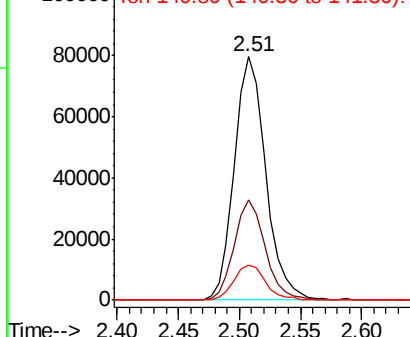
Lab File: VX010605.D

Acq: 02 Jul 2019 10:12

Tgt Ion:	142	Resp:	142074
Ion Ratio	Lower	Upper	
142	100		
127	40.5	31.1	46.7
141	14.6	11.2	16.8



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

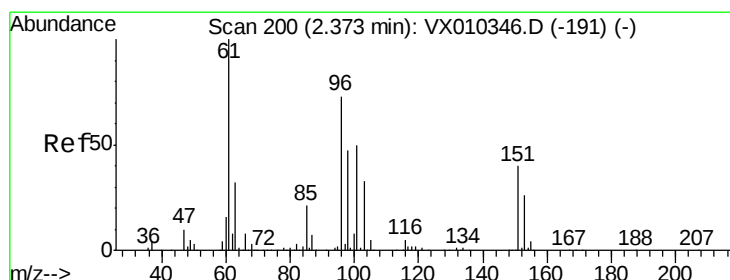
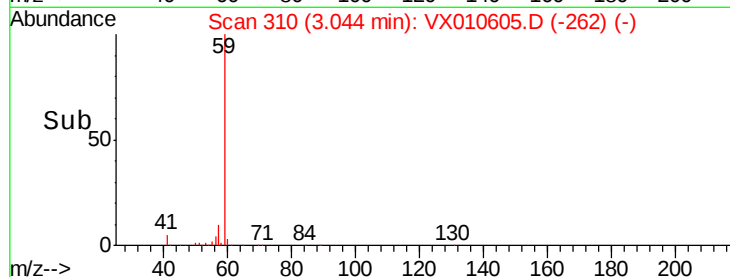
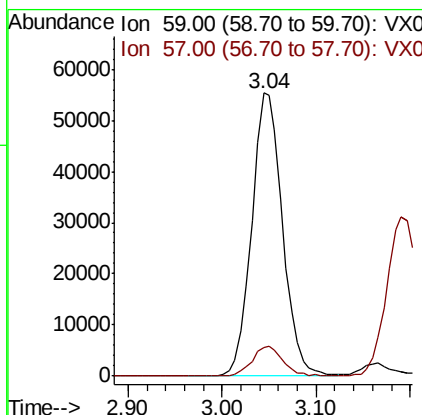
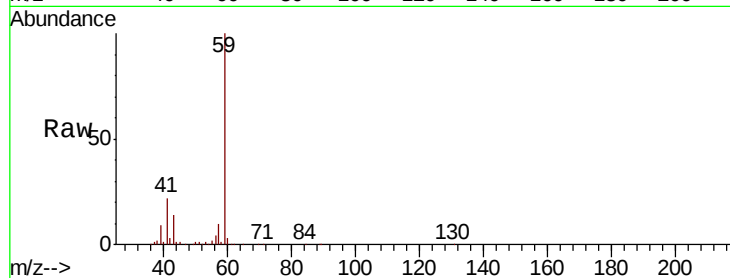
Tert butyl alcohol
Concen: 206.648 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX010605.D
Acq: 02 Jul 2019 10:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	59	57	Ratio	100	10.7	Resp	127449	Lower	Upper

Manual Integrations
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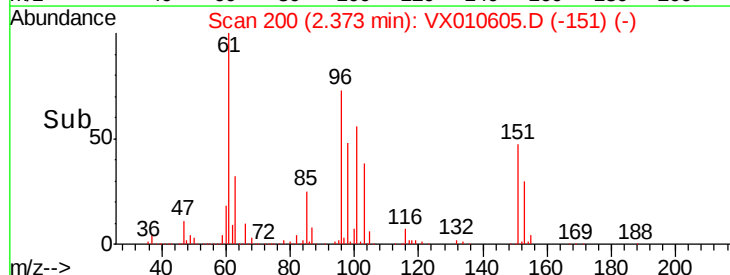
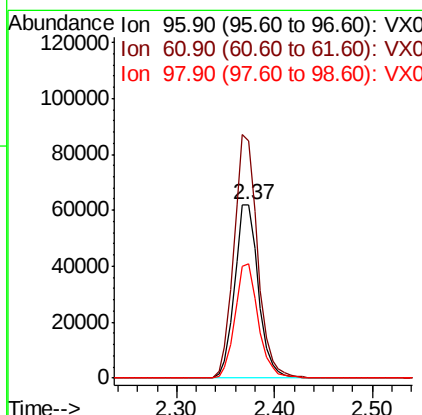
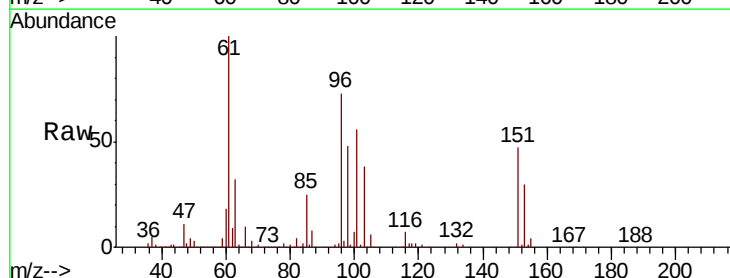
MMDadoda
7/3/2019 9:29:33 AM



#12

1,1-Dichloroethene
Concen: 48.259 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX010605.D
Acq: 02 Jul 2019 10:12

Tgt Ion	96	61	98	Ratio	100	136.7	66.1	Resp	105153	Lower	Upper





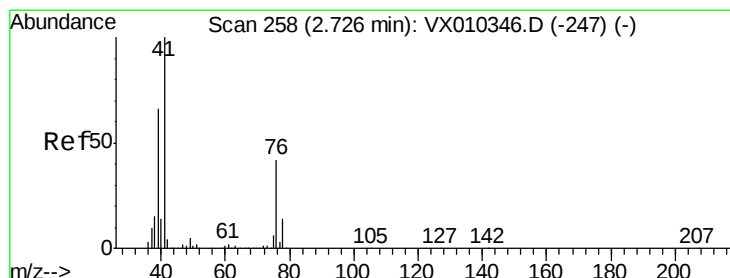
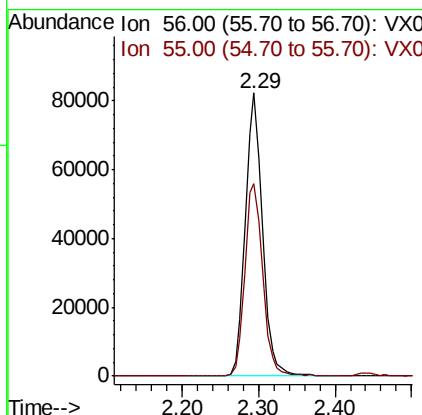
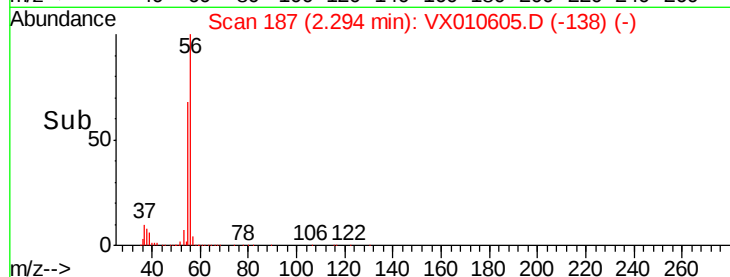
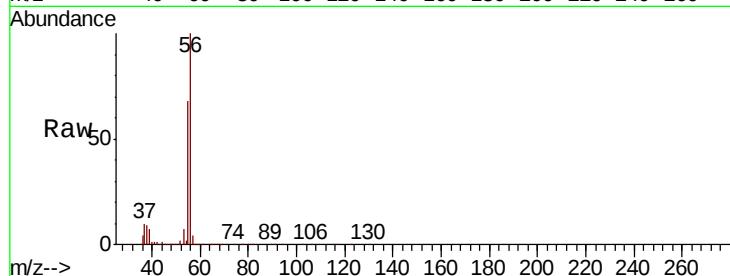
#13
Acrolein
Concen: 313.576 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX010605.D
Acq: 02 Jul 2019 10:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.0	56.9	85.3

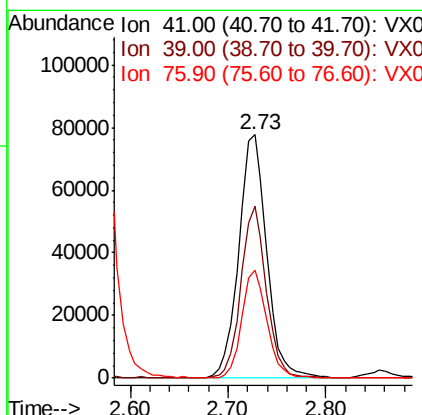
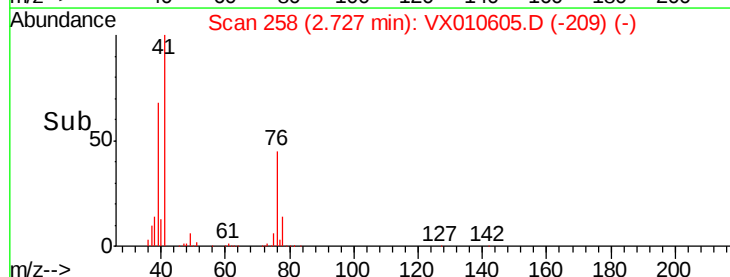
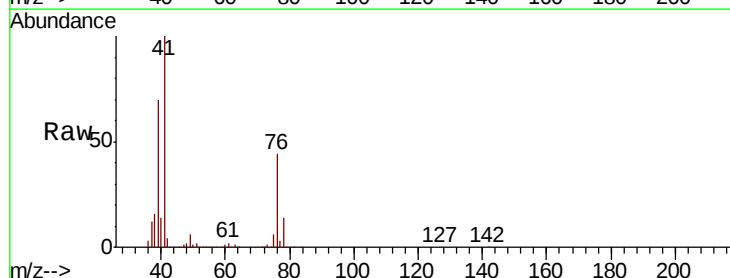
Manual Integrations
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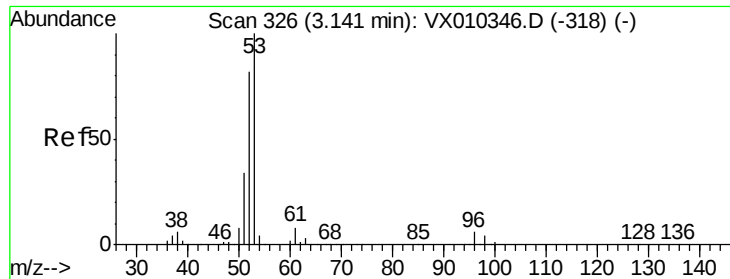
MMDadoda
7/3/2019 9:29:33 AM



#14
Allyl chloride
Concen: 50.040 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.00 min
Lab File: VX010605.D
Acq: 02 Jul 2019 10:12

Tgt Ion	Ratio	Lower	Upper
41	100		
39	63.8	50.3	75.5
76	39.7	31.3	46.9





#15

Acrylonitrile

Concen: 248.396 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX010605.D

Acq: 02 Jul 2019 10:12

Instrument :

MSVOA_X

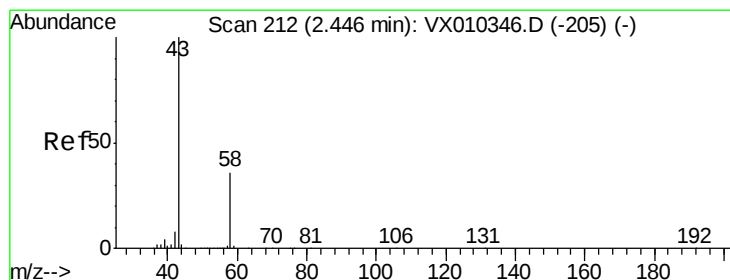
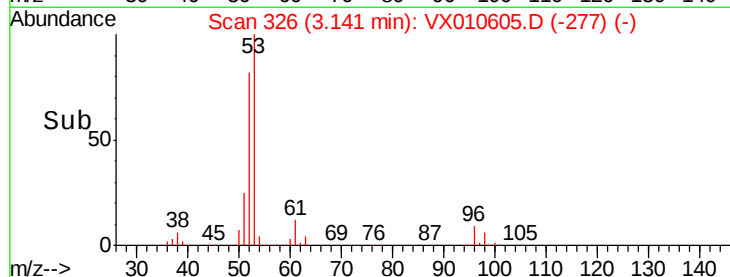
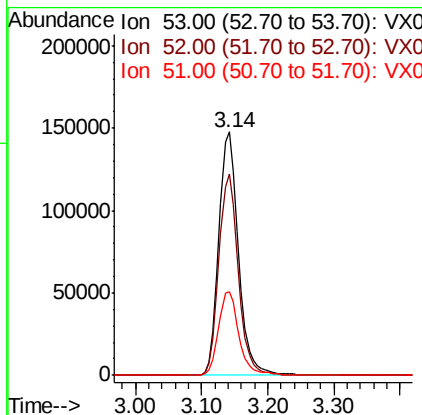
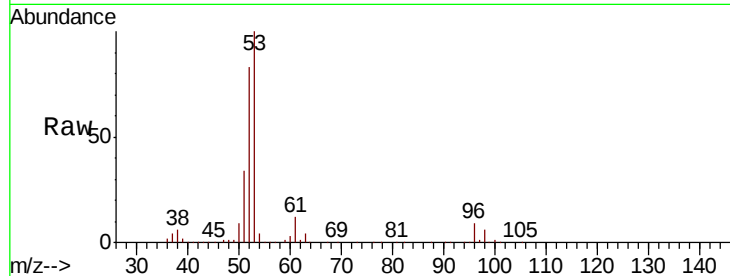
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	303312
Ion	Ratio	Lower	Upper
53	100		
52	81.9	65.5	98.3
51	35.3	28.2	42.4

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#16

Acetone

Concen: 272.428 ug/l

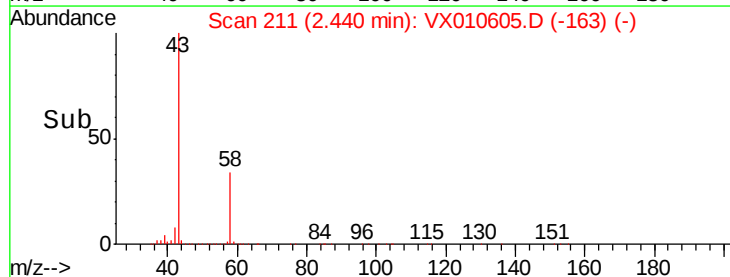
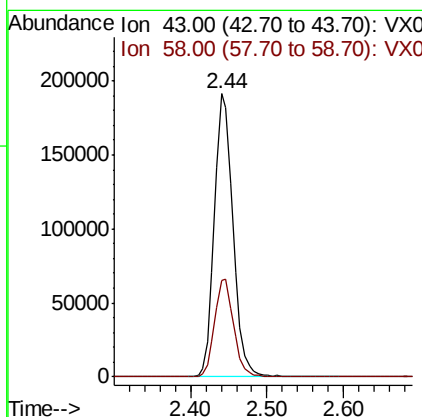
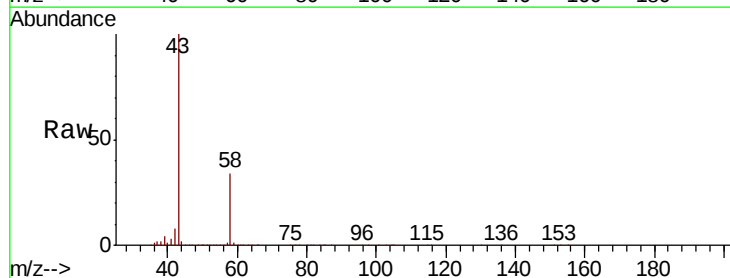
RT: 2.44 min Scan# 211

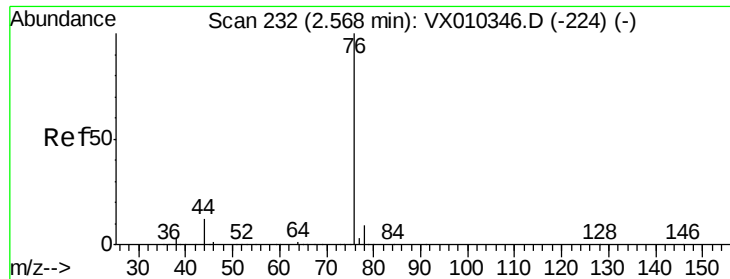
Delta R.T. -0.01 min

Lab File: VX010605.D

Acq: 02 Jul 2019 10:12

Tgt Ion:	43	Resp:	321804
Ion	Ratio	Lower	Upper
43	100		
58	34.1	28.9	43.3





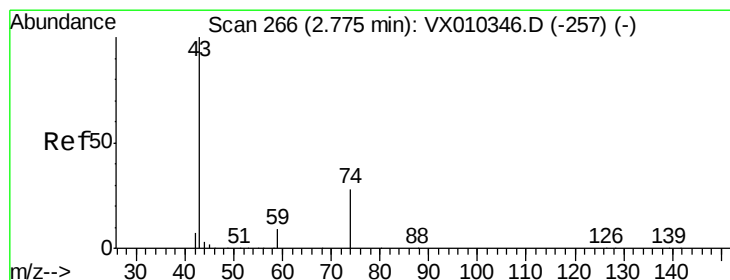
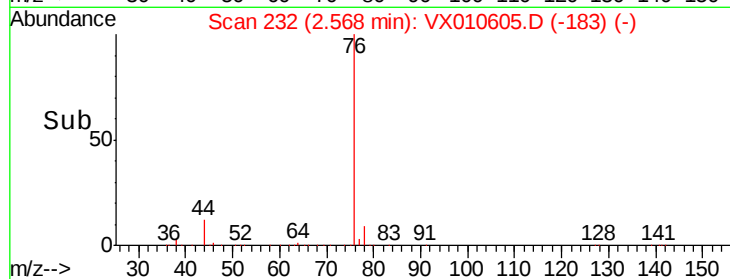
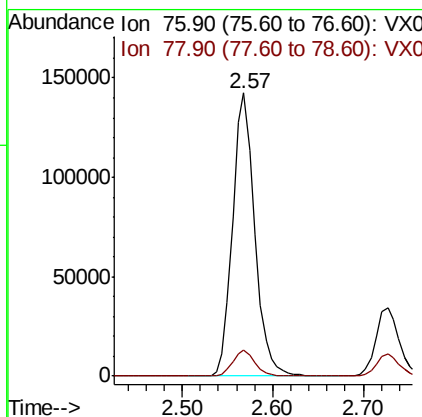
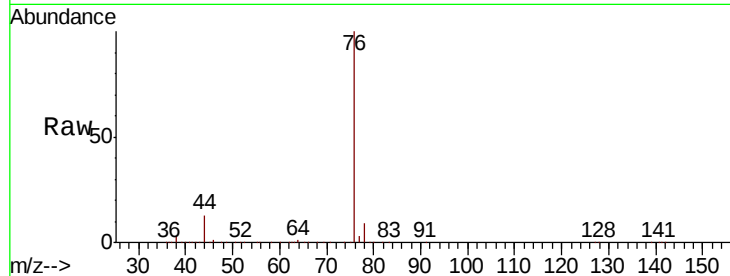
#17
Carbon Disulfide
Concen: 41.348 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX010605.D
Acq: 02 Jul 2019 10:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.3	10.9

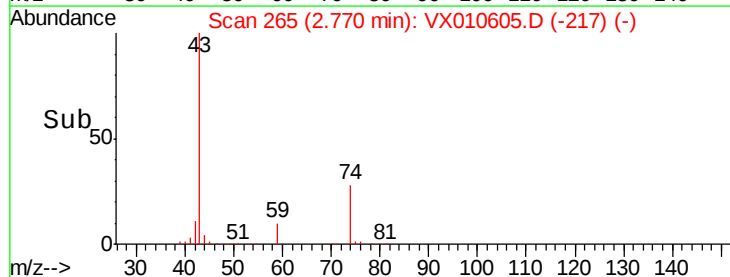
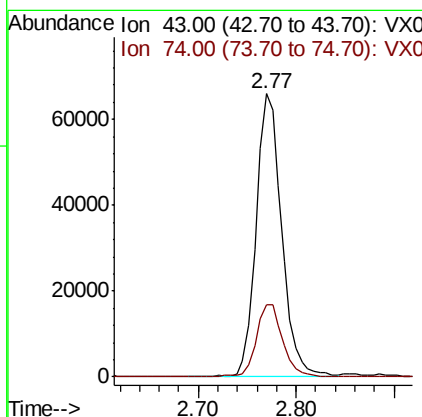
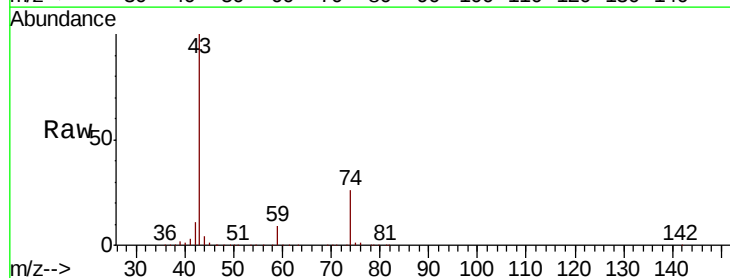
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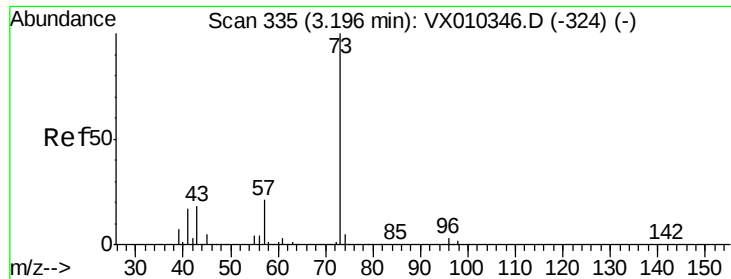
MMDadoda
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#18
Methyl Acetate
Concen: 50.857 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX010605.D
Acq: 02 Jul 2019 10:12

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.7	21.3	31.9





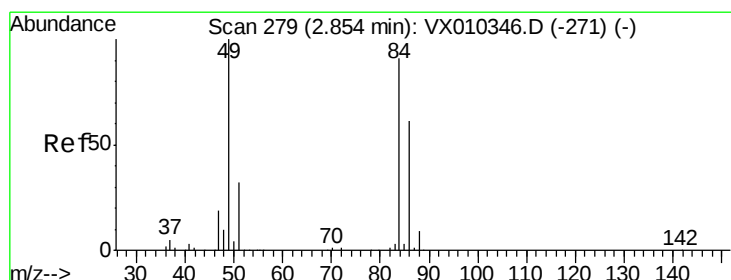
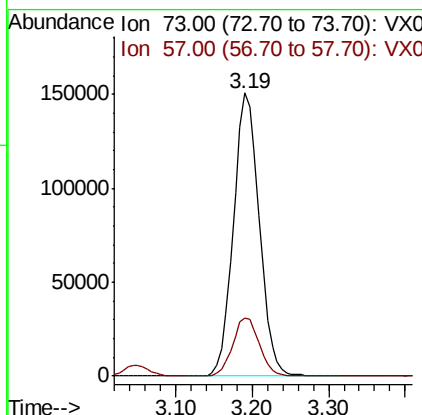
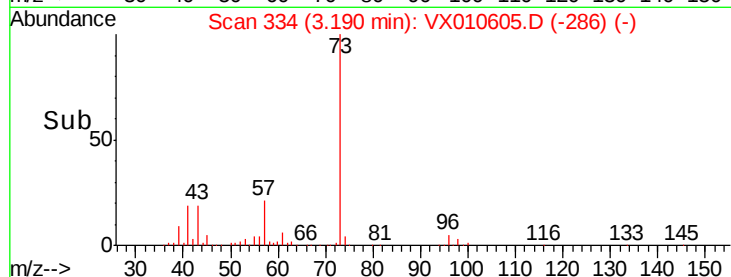
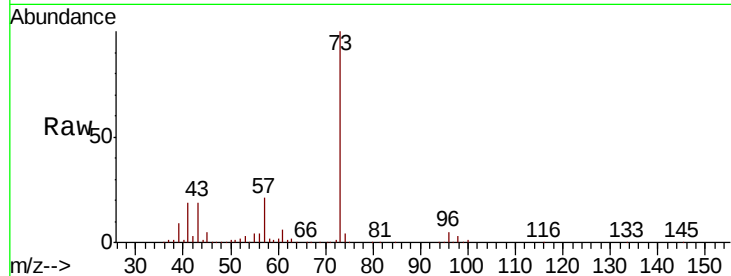
#19
Methyl tert-butyl Ether
Concen: 51.466 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX010605.D
Acq: 02 Jul 2019 10:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 352785
Ion Ratio Lower Upper
73 100
57 20.6 16.4 24.6

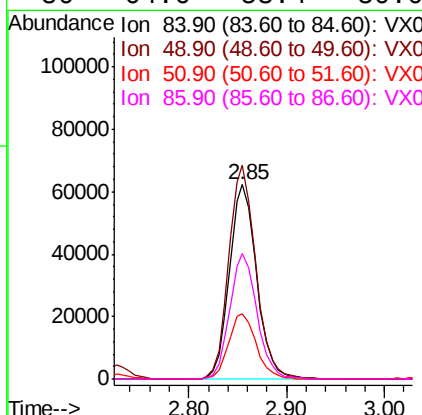
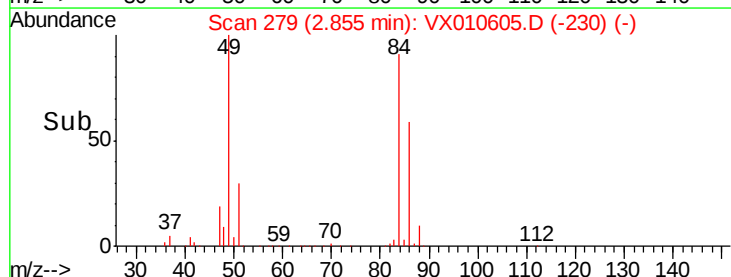
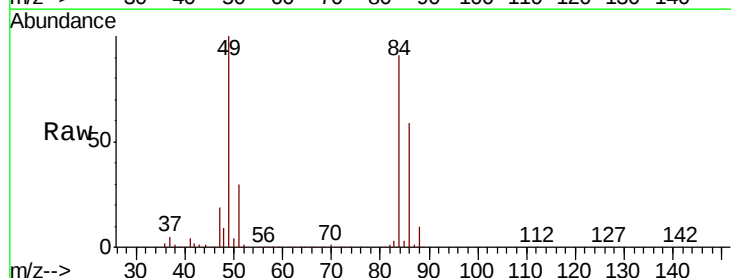
Manual Integrations
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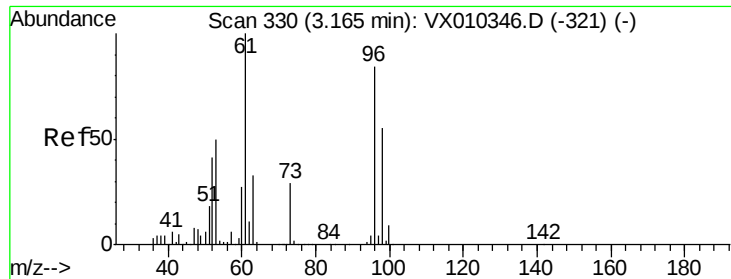
MMDadoda
7/3/2019 9:29:33 AM



#20
Methylene Chloride
Concen: 49.437 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX010605.D
Acq: 02 Jul 2019 10:12

Tgt Ion: 84 Resp: 120178
Ion Ratio Lower Upper
84 100
49 109.9 87.5 131.3
51 33.4 27.7 41.5
86 64.6 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 47.637 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX010605.D

Acq: 02 Jul 2019 10:12

Instrument :

MSVOA_X

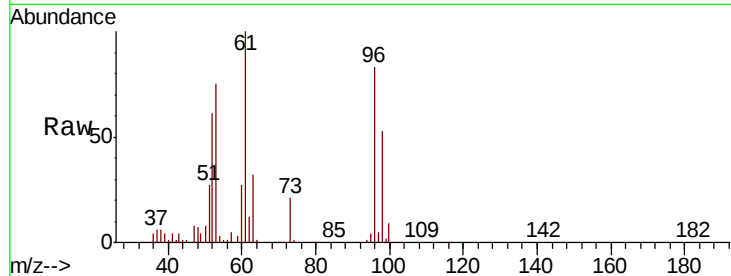
ClientSampleId :

VSTDCCC050

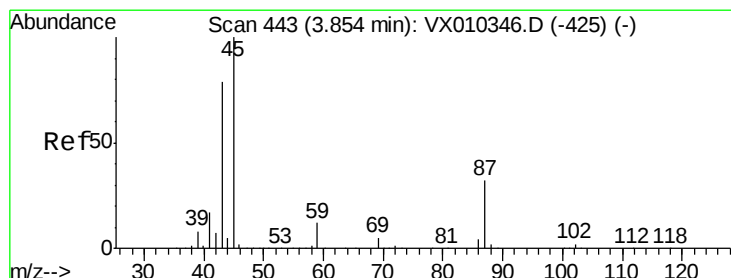
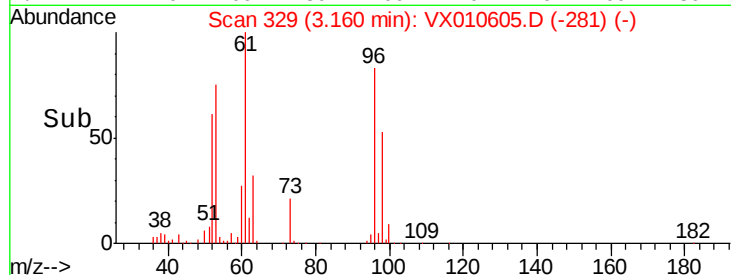
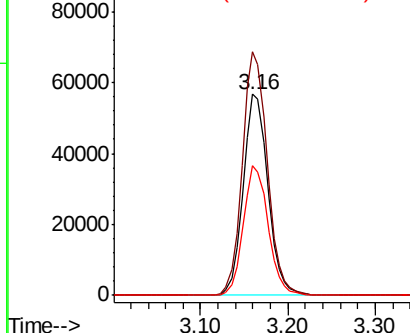
Tot Ion:	96	Resp:	111637
Ion	Ratio	Lower	Upper
96	100		
61	121.1	95.6	143.4
98	64.7	52.5	78.7

Manual Integrations
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Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 51.813 ug/l

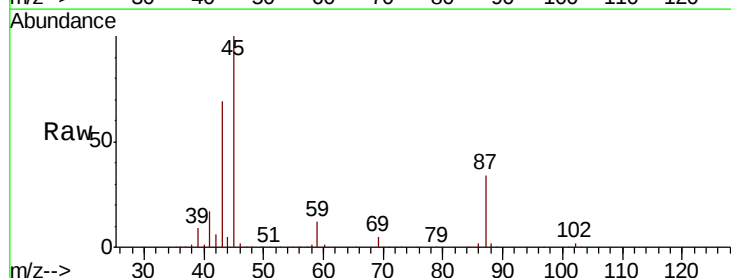
RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

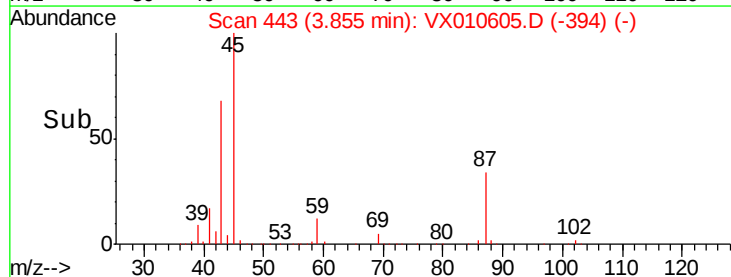
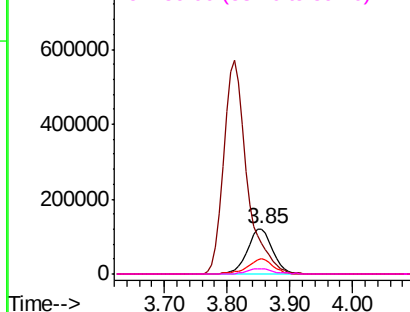
Lab File: VX010605.D

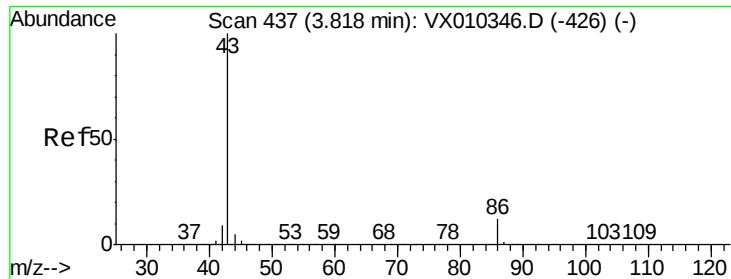
Acq: 02 Jul 2019 10:12

Tgt Ion:	45	Resp:	335114
Ion	Ratio	Lower	Upper
45	100		
43	68.4	63.3	94.9
87	34.0	25.8	38.8
59	12.3	9.6	14.4



Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 261.799 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX010605.D

Acq: 02 Jul 2019 10:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1462787

Ion Ratio Lower Upper

43 100

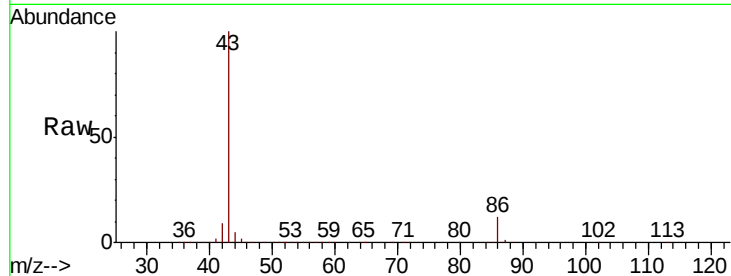
86 12.1 9.9 14.9

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.81

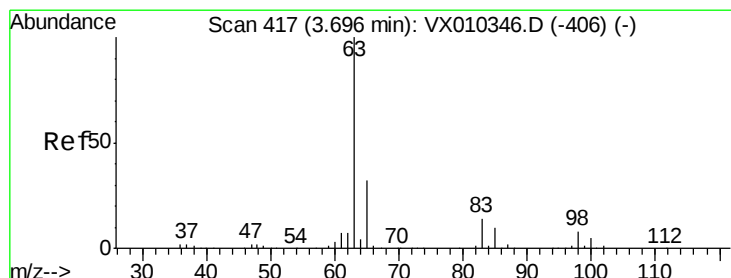
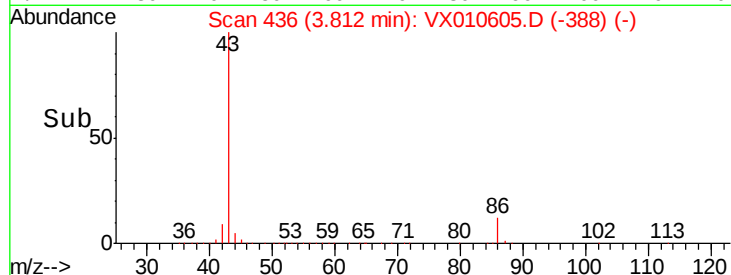
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 50.459 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX010605.D

Acq: 02 Jul 2019 10:12

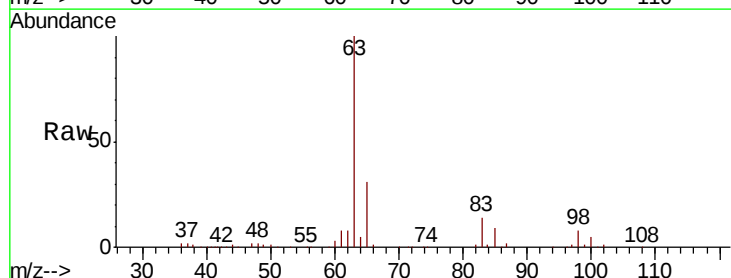
Tgt Ion: 63 Resp: 188646

Ion Ratio Lower Upper

63 100

98 8.0 3.9 11.7

100 4.8 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

3.70

100000

80000

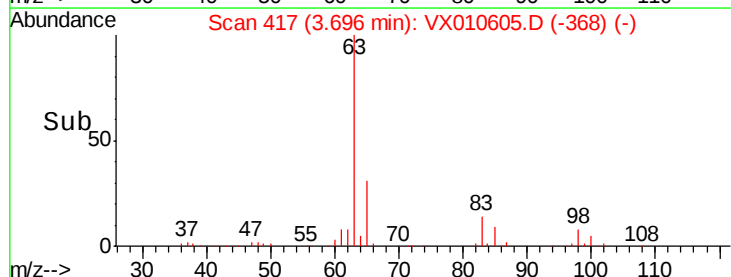
60000

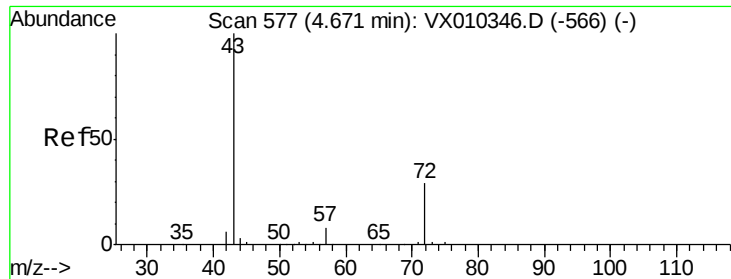
40000

20000

0

Time-->





#25

2-Butanone

Concen: 254.832 ug/l

RT: 4.67 min Scan# 576

Delta R.T. -0.01 min

Lab File: VX010605.D

Acq: 02 Jul 2019 10:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 441556

Ion Ratio Lower Upper

43 100

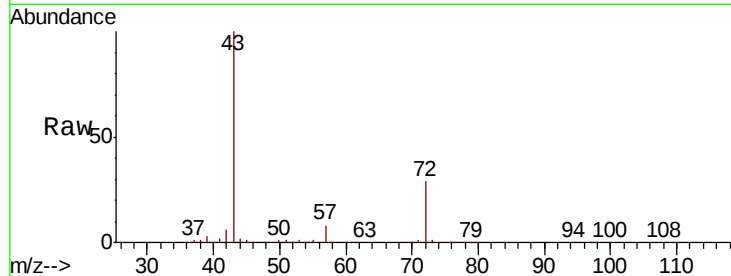
72 28.7 23.3 34.9

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.67

150000

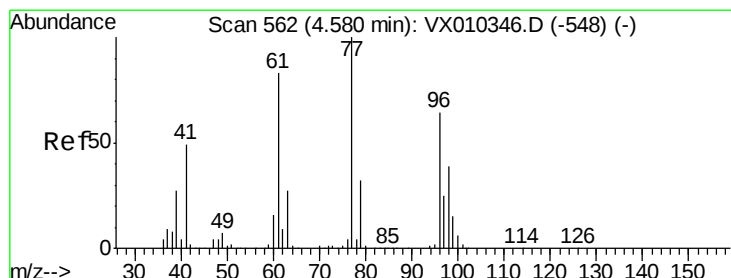
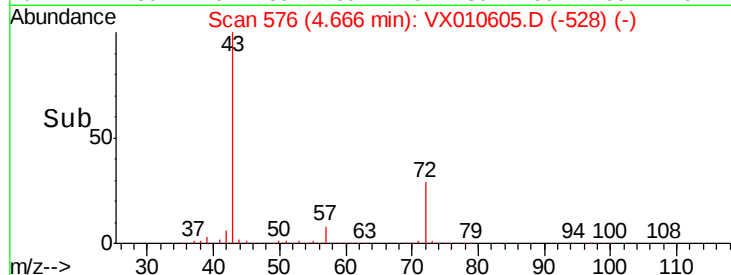
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 51.320 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.01 min

Lab File: VX010605.D

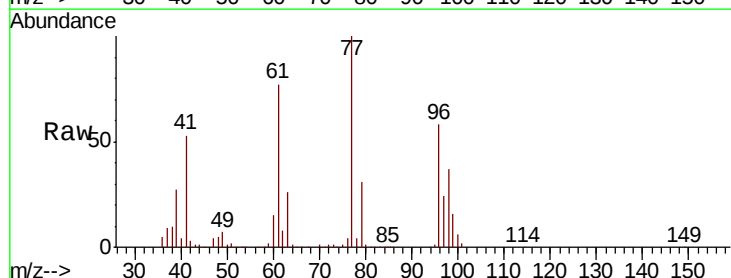
Acq: 02 Jul 2019 10:12

Tgt Ion: 77 Resp: 166672

Ion Ratio Lower Upper

77 100

97 25.4 13.1 39.3



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.57

60000

50000

40000

30000

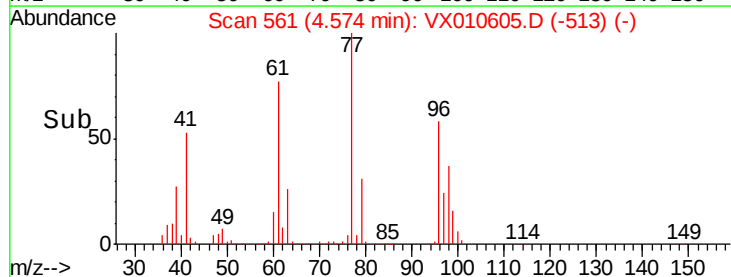
20000

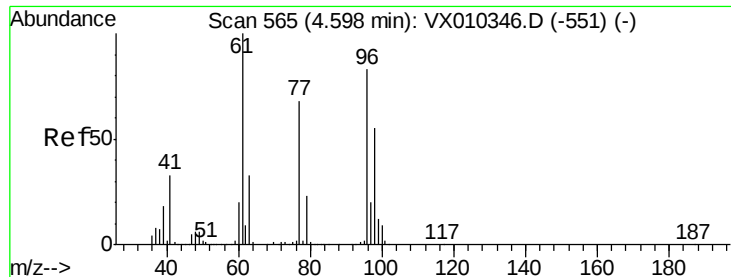
10000

0

4.40 4.50 4.60 4.70

Time-->





#27

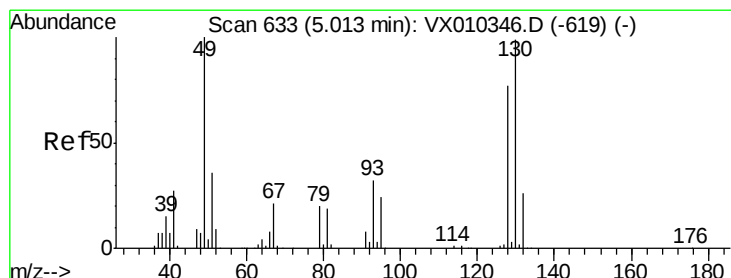
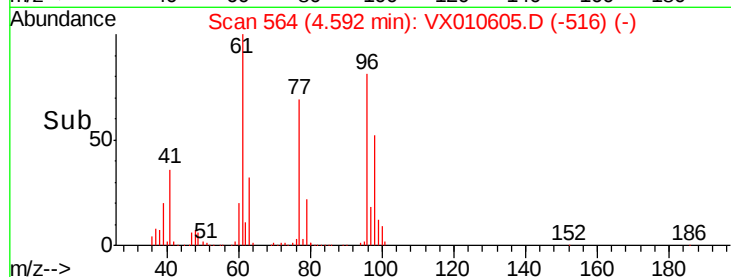
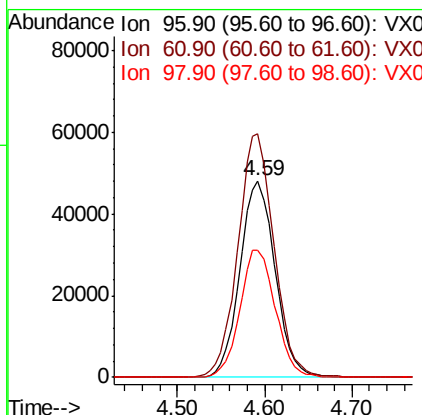
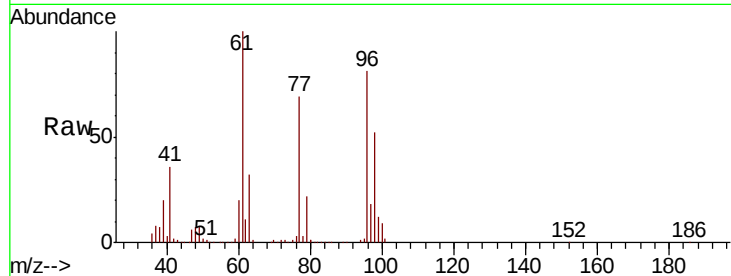
cis-1,2-Dichloroethene
 Concen: 49.726 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX010605.D
 Acq: 02 Jul 2019 10:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	134663		
61	127.2	0.0	251.8	
98	65.4	0.0	129.4	

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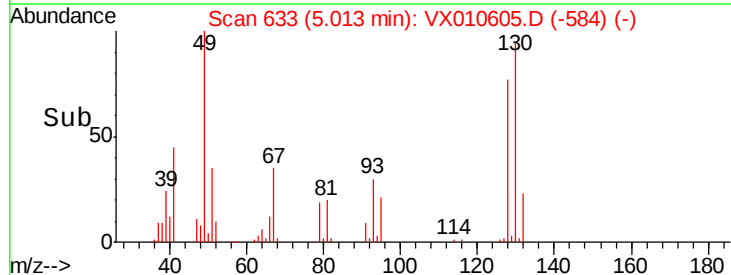
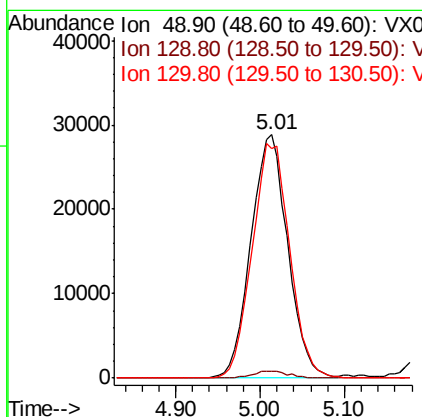
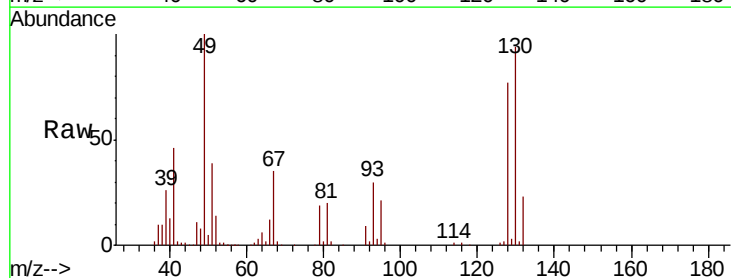
MMDadoda
 7/3/2019 9:29:33 AM

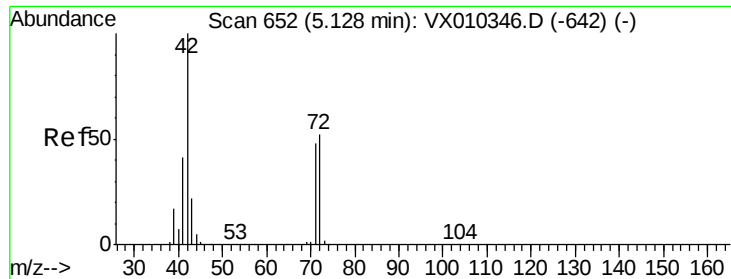


#28

Bromochloromethane
 Concen: 48.345 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. 0.00 min
 Lab File: VX010605.D
 Acq: 02 Jul 2019 10:12

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	86416		
129	2.8	0.0	5.6	
130	98.1	81.4	122.0	





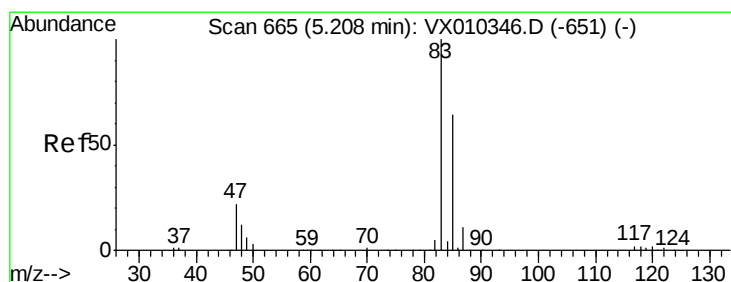
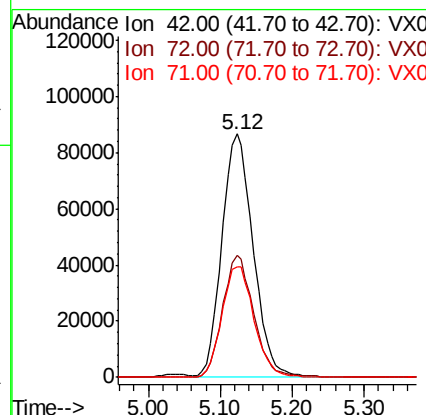
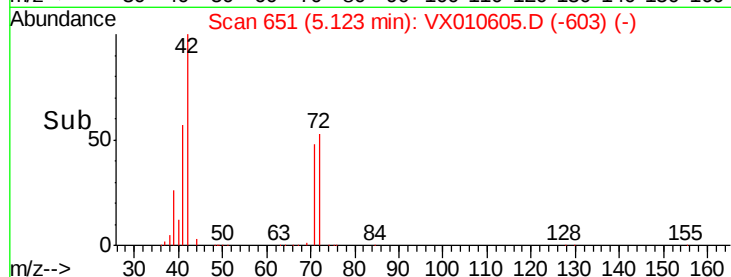
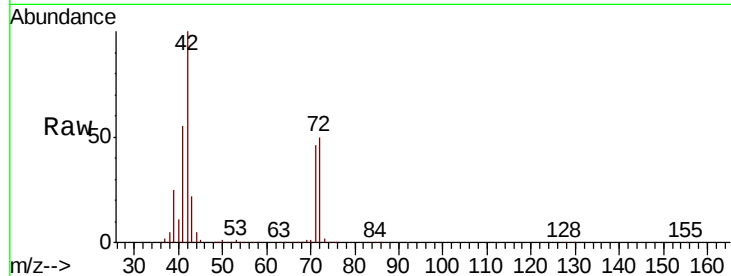
#29
Tetrahydrofuran
Concen: 242.575 ug/l
RT: 5.12 min Scan# 651
Delta R.T. -0.01 min
Lab File: VX010605.D
Acq: 02 Jul 2019 10:12

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.2	40.6	60.8
71	46.9	37.8	56.8

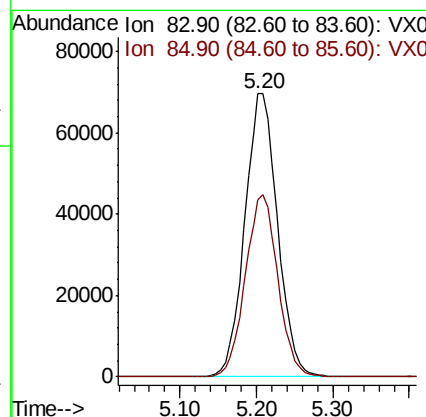
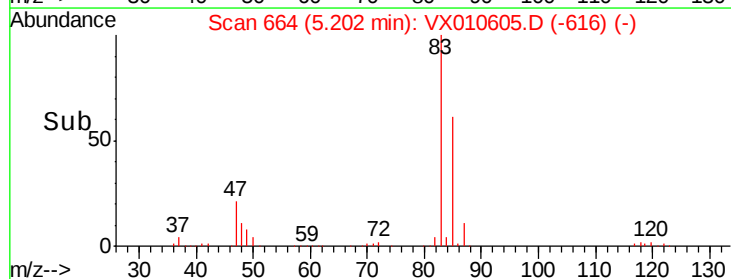
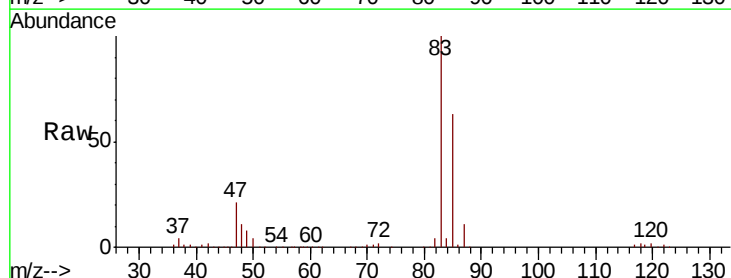
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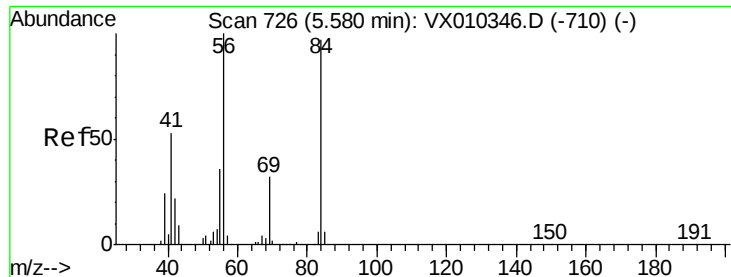
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#30
Chloroform
Concen: 51.438 ug/l
RT: 5.20 min Scan# 664
Delta R.T. -0.01 min
Lab File: VX010605.D
Acq: 02 Jul 2019 10:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.6	50.9	76.3





#31

Cyclohexane

Concen: 48.890 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX010605.D

Acq: 02 Jul 2019 10:12

Instrument :

MSVOA_X

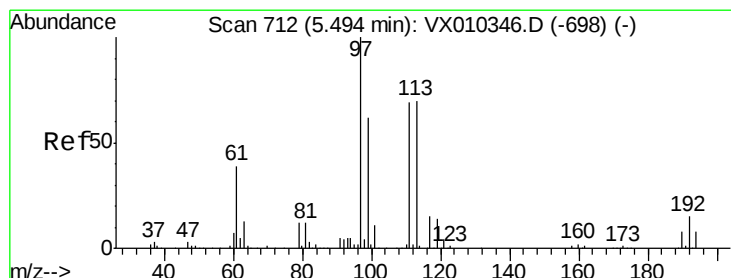
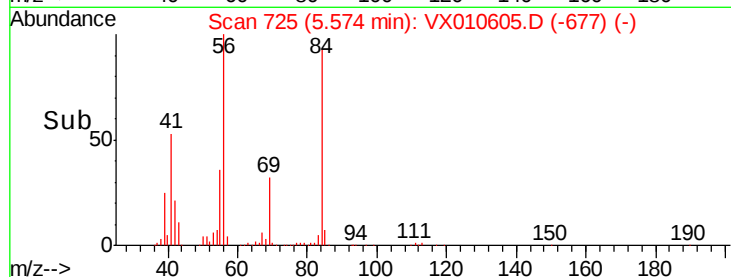
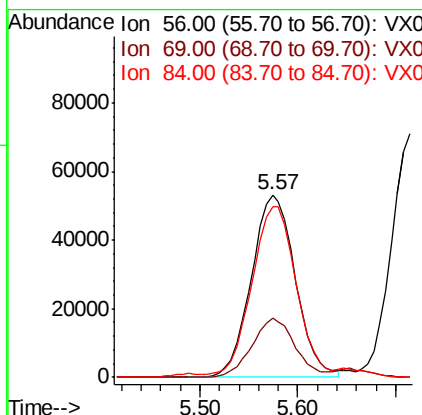
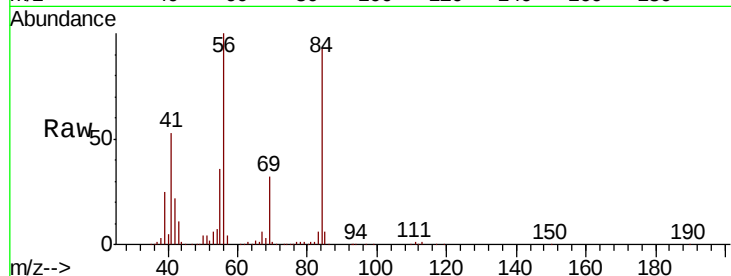
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	166445
Ion	Ratio	Lower	Upper
56	100		
69	31.9	25.9	38.9
84	91.2	78.0	117.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 51.159 ug/l

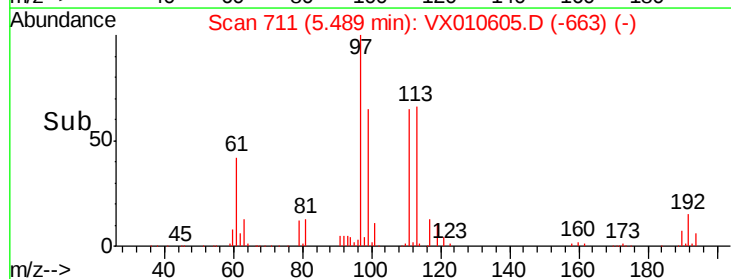
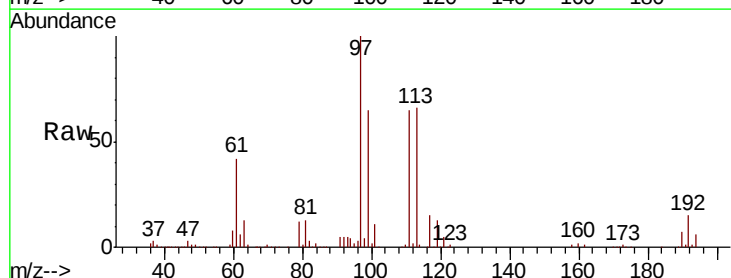
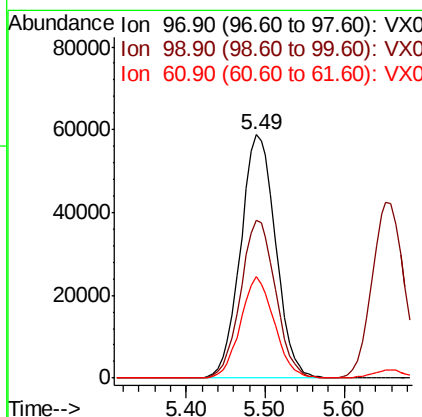
RT: 5.49 min Scan# 711

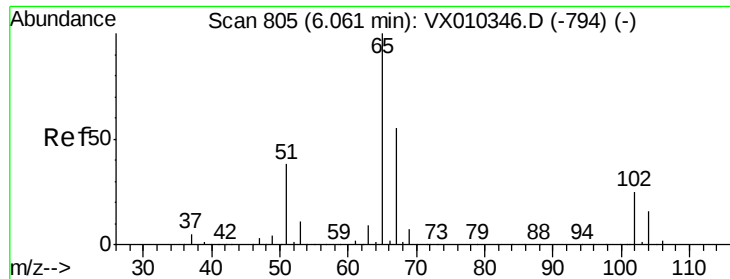
Delta R.T. -0.01 min

Lab File: VX010605.D

Acq: 02 Jul 2019 10:12

Tgt Ion:	97	Resp:	181709
Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.8	77.8
61	40.2	32.1	48.1





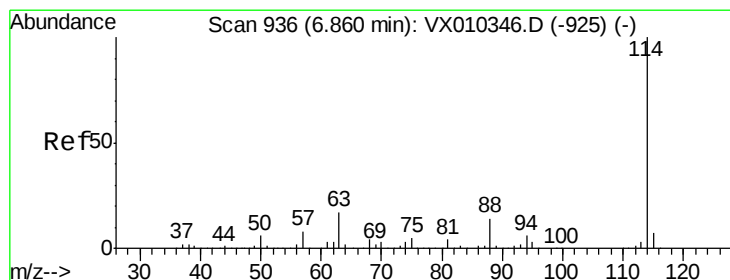
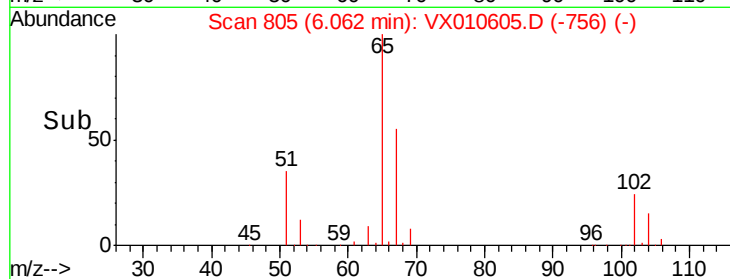
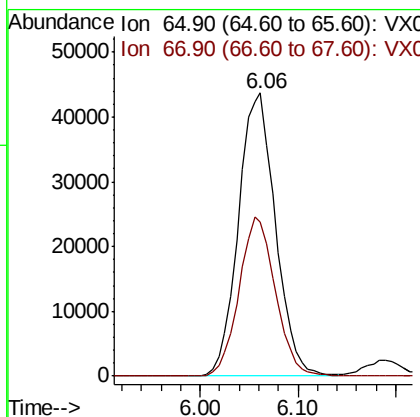
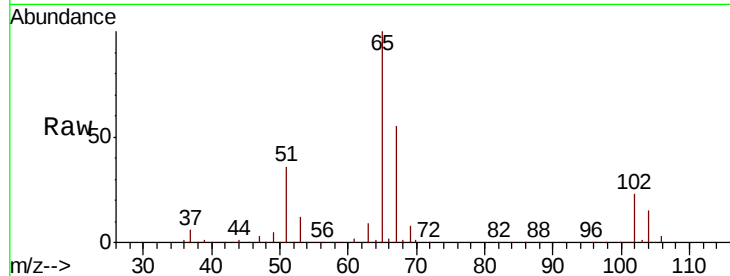
#33
 1,2-Dichloroethane-d4
 Concen: 48.670 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010605.D
 Acq: 02 Jul 2019 10:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 65 Resp: 114713
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 110.2

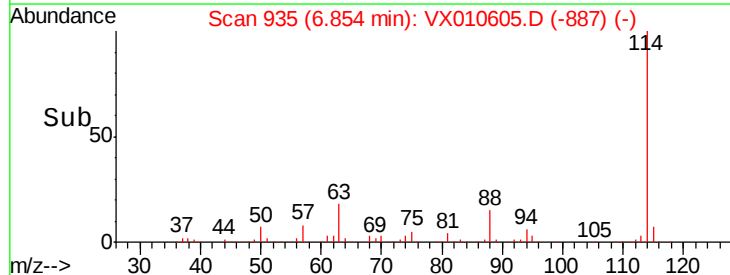
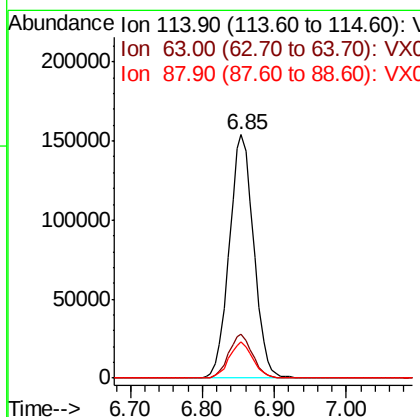
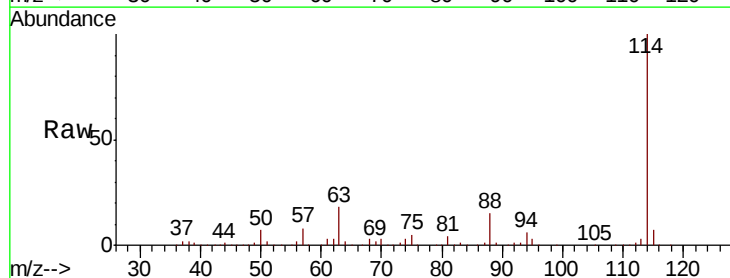
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX010605.D
 Acq: 02 Jul 2019 10:12

Tgt Ion: 114 Resp: 362891
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 33.8
 88 14.8 0.0 27.6





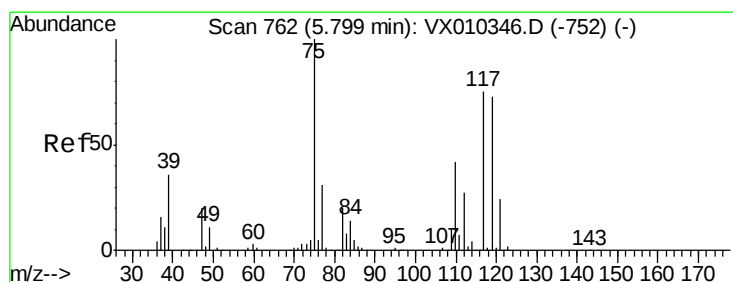
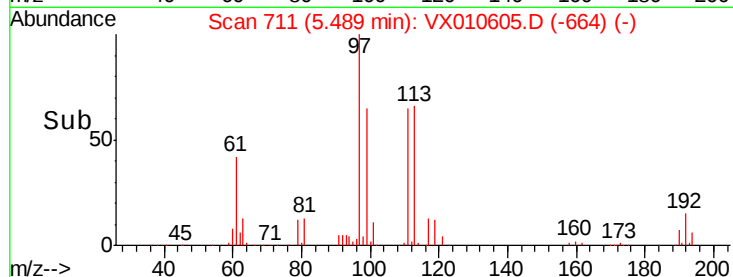
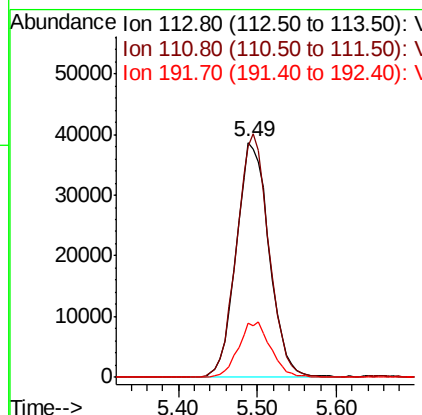
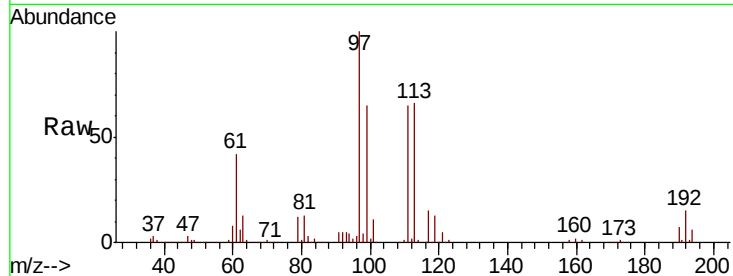
#35
Dibromofluoromethane
Concen: 50.544 ug/l
RT: 5.49 min Scan# 711
Delta R.T. -0.01 min
Lab File: VX010605.D
Acq: 02 Jul 2019 10:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	112222		
111	101.6	81.2	121.8	
192	23.0	18.6	27.8	

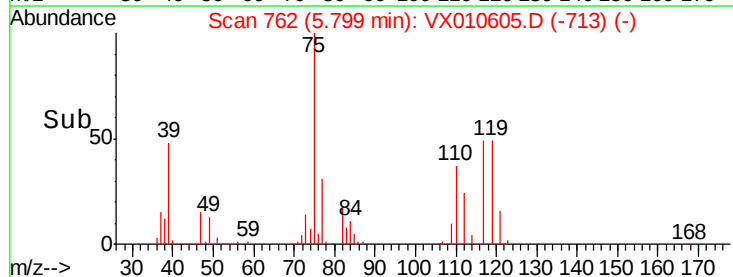
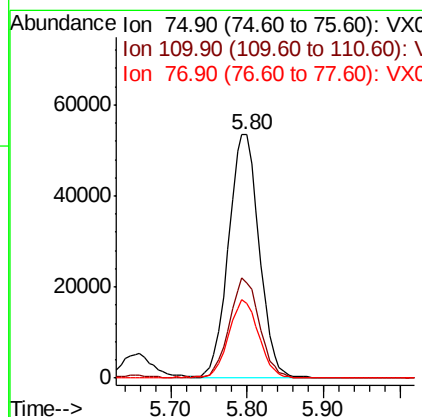
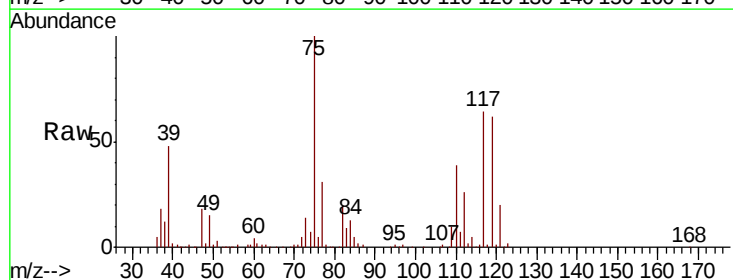
Manual Integrations
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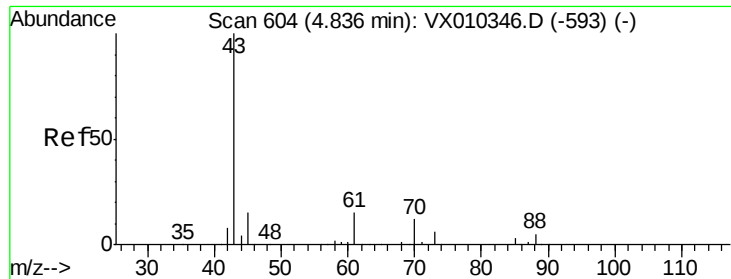
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#36
1,1-Dichloropropene
Concen: 51.436 ug/l
RT: 5.80 min Scan# 762
Delta R.T. 0.00 min
Lab File: VX010605.D
Acq: 02 Jul 2019 10:12

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	148329		
110	40.4	20.8	62.2	
77	32.0	25.4	38.0	





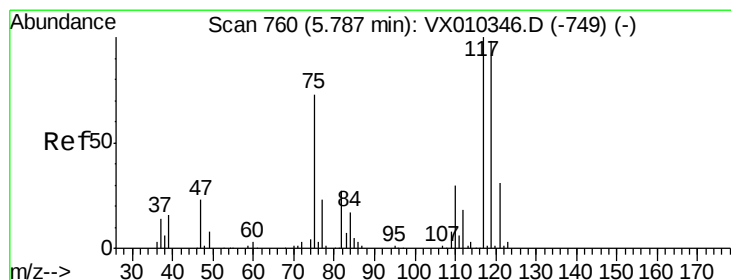
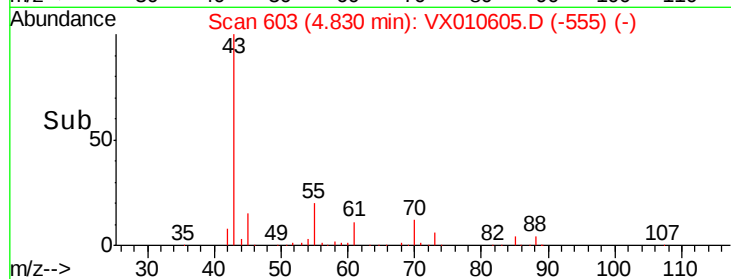
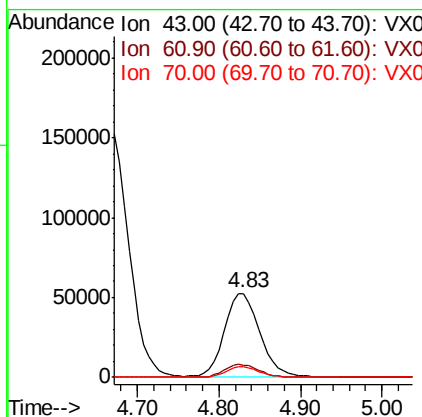
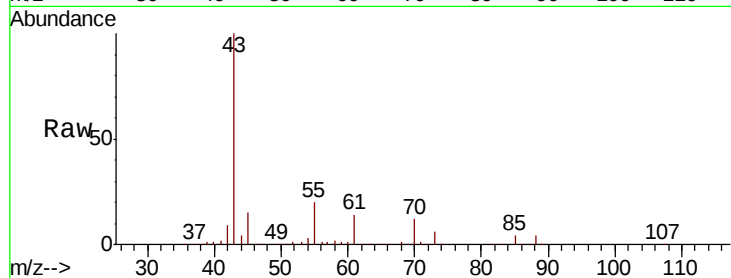
#37
Ethyl Acetate
Concen: 52.773 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.01 min
Lab File: VX010605.D
Acq: 02 Jul 2019 10:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	12.4	18.6
70	12.1	9.8	14.8

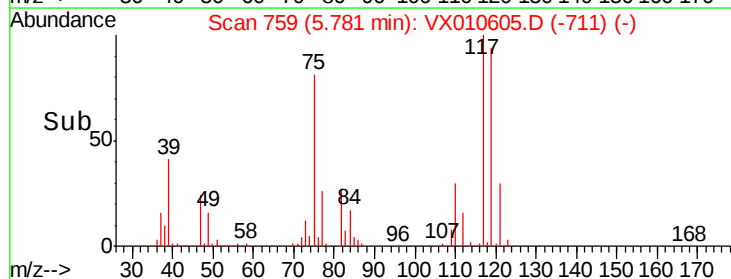
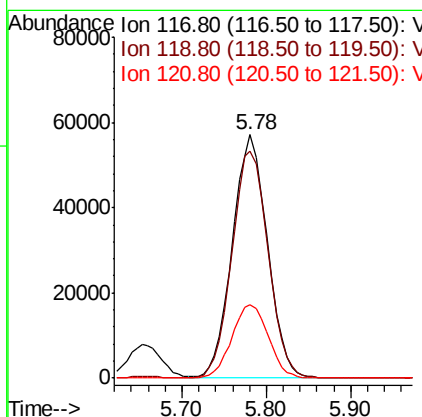
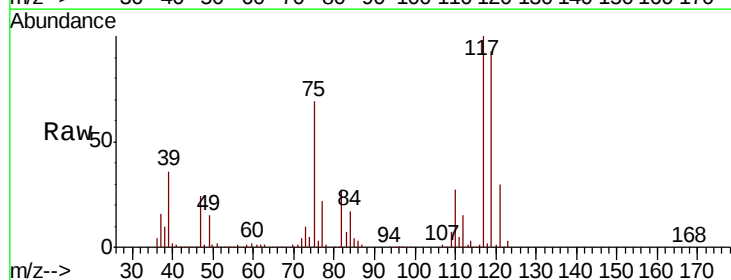
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#38
Carbon Tetrachloride
Concen: 51.456 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX010605.D
Acq: 02 Jul 2019 10:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.3	78.2	117.4
121	29.9	24.7	37.1





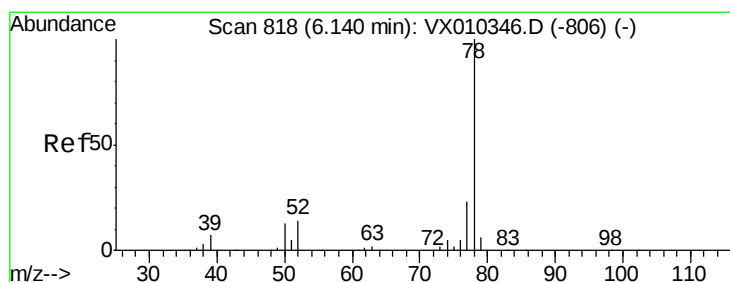
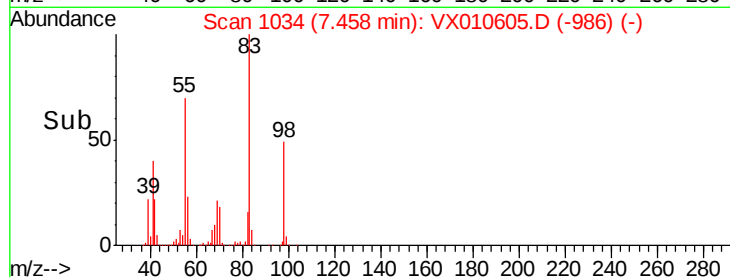
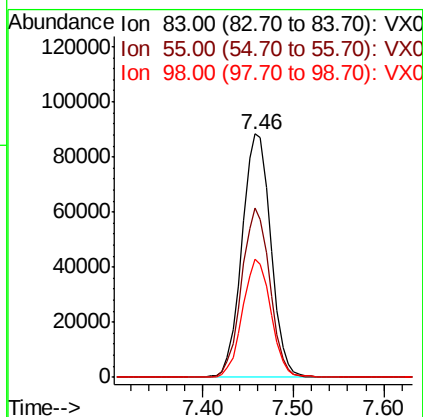
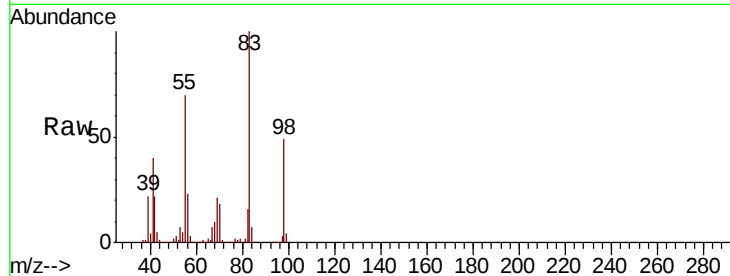
#39
Methvlcvclohexane
Concen: 51.307 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX010605.D
Acq: 02 Jul 2019 10:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.7	53.0	79.6
98	48.8	37.8	56.8

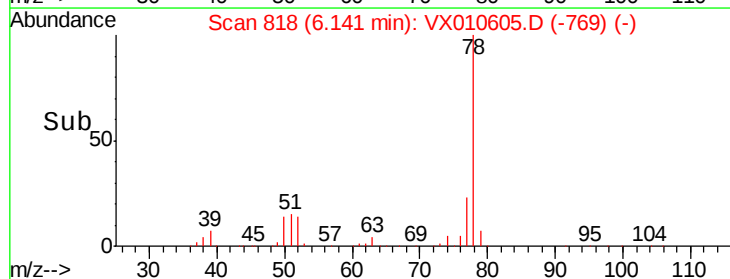
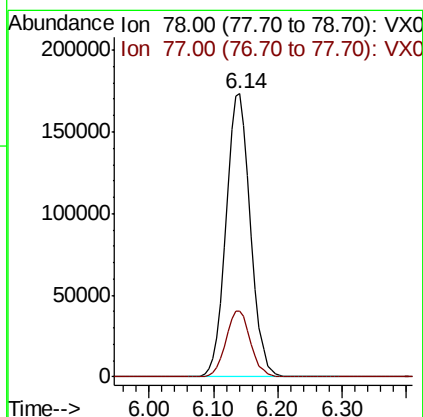
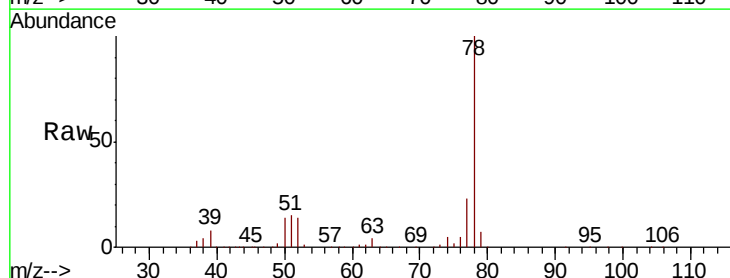
Manual Integrations
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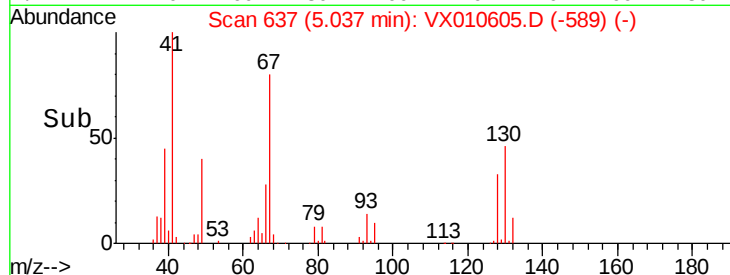
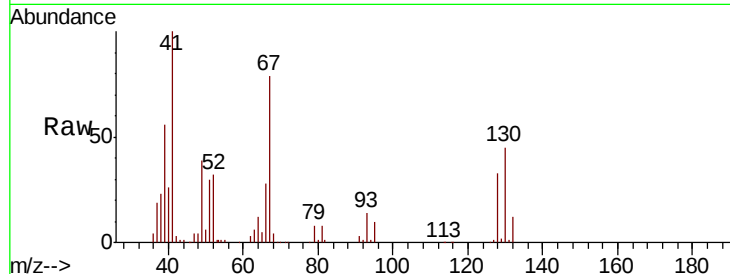
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#40
Benzene
Concen: 51.350 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX010605.D
Acq: 02 Jul 2019 10:12

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.6	28.0





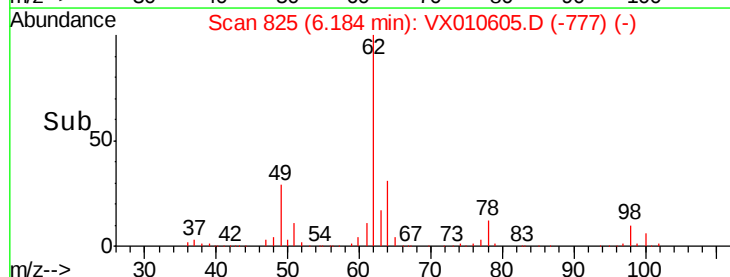
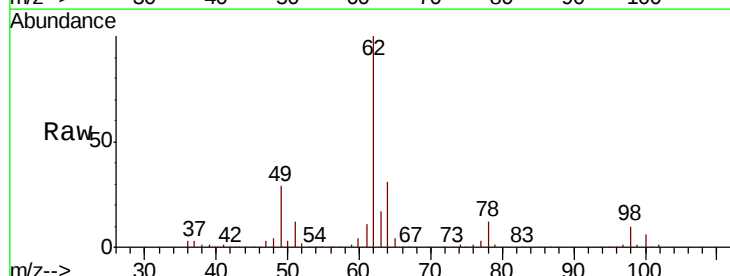
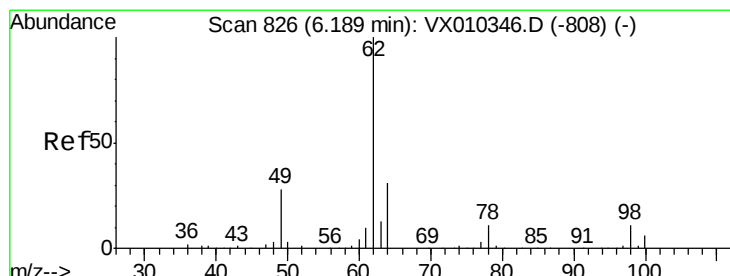
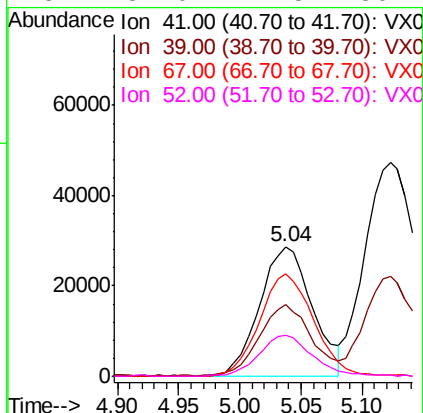
#41
Methacrylonitrile
Concen: 52.532 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX010605.D
Acq: 02 Jul 2019 10:12

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		85510		
39	54.6	43.8	65.8		
67	82.1	66.6	100.0		
52	32.0	24.5	36.7		

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

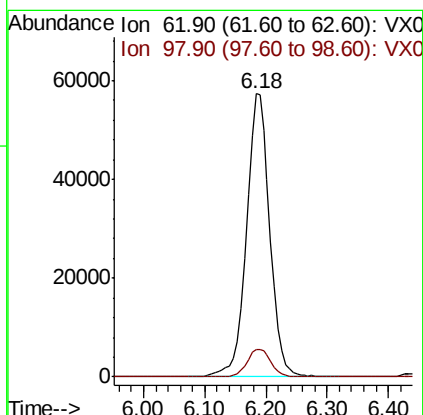
Manual Integrations
APPROVED

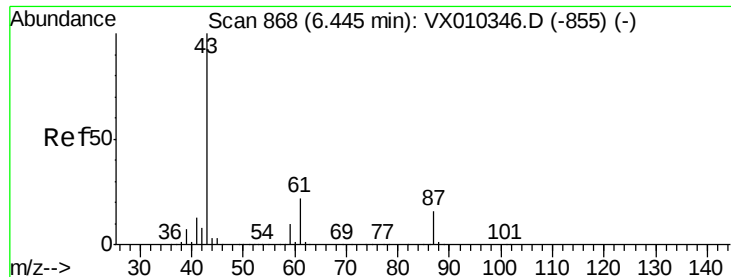
MMDadoda
7/3/2019 9:29:33 AM



#42
1,2-Dichloroethane
Concen: 55.697 ug/l
RT: 6.18 min Scan# 825
Delta R.T. -0.01 min
Lab File: VX010605.D
Acq: 02 Jul 2019 10:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		152320		
98	10.0	0.0	22.2		





#43

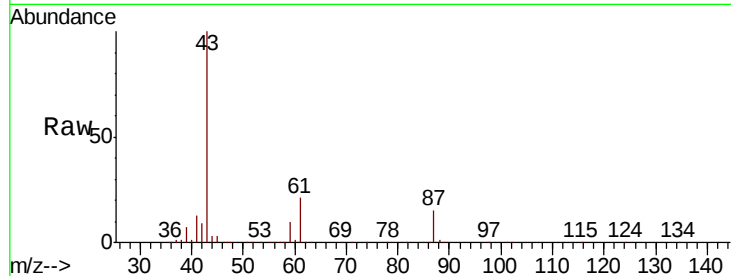
Isopropyl Acetate
 Concen: 52.980 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. -0.01 min
 Lab File: VX010605.D
 Acq: 02 Jul 2019 10:12

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

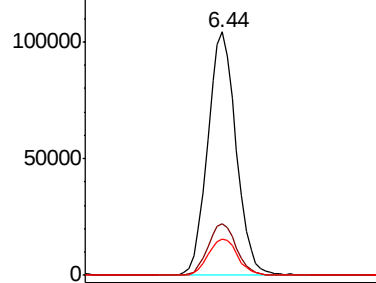
Tot Ion	Ratio	Lower	Upper
43	100		
61	21.4	17.8	26.6
87	15.6	13.0	19.4

Manual Integrations
 APPROVED

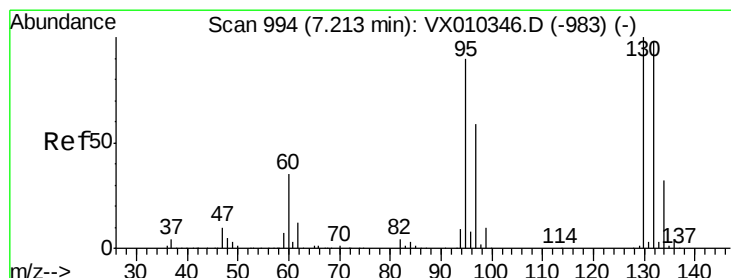
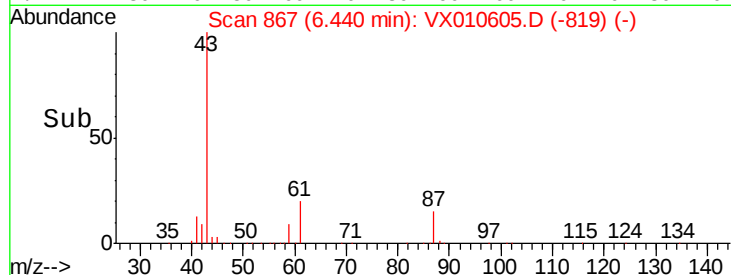
MMDadoda
 7/3/2019 9:29:33 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



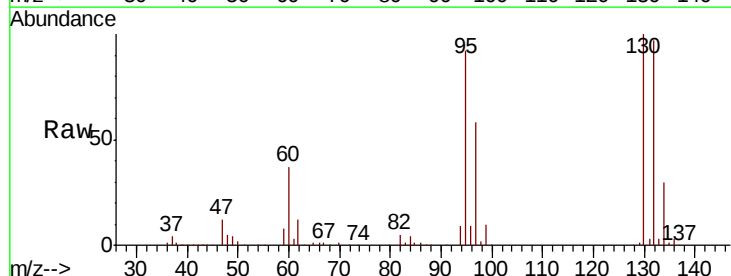
Time-->



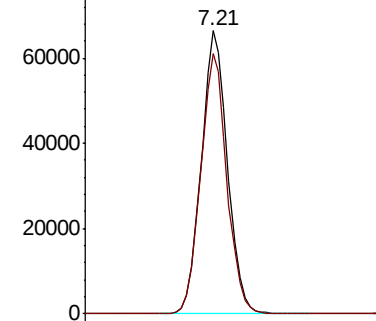
#44

Trichloroethene
 Concen: 51.351 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VX010605.D
 Acq: 02 Jul 2019 10:12

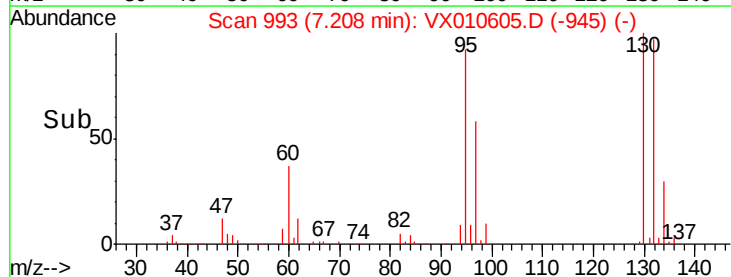
Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.0	0.0	180.8

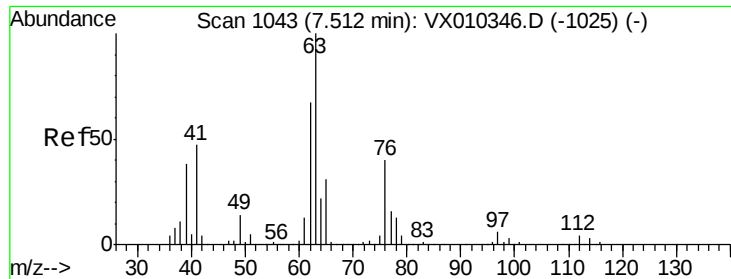


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0



Time-->





#45

1,2-Dichloropropane

Concen: 52.165 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX010605.D

Acq: 02 Jul 2019 10:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 118350

Ion Ratio Lower Upper

63 100

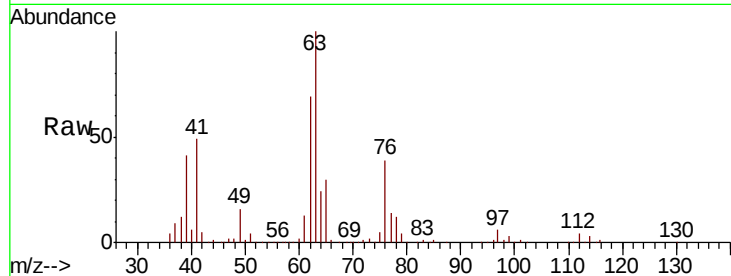
65 29.6 24.8 37.2

Manual Integrations

APPROVED

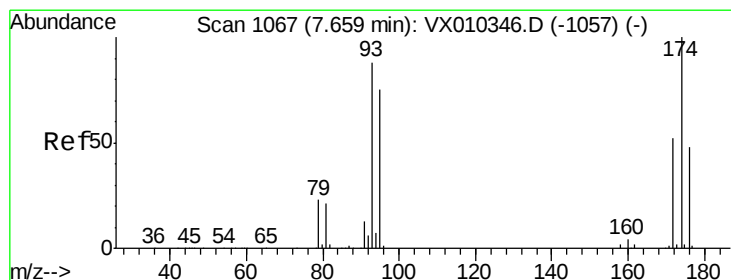
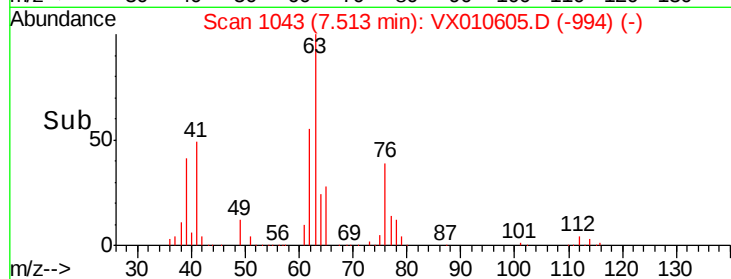
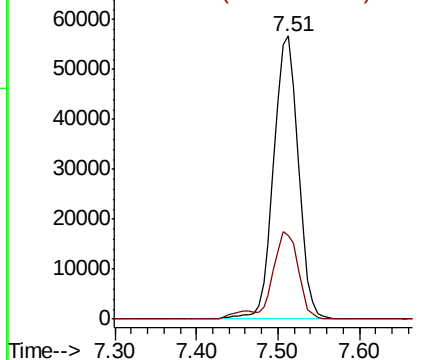
MMDadoda

7/3/2019 9:29:33 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 52.890 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX010605.D

Acq: 02 Jul 2019 10:12

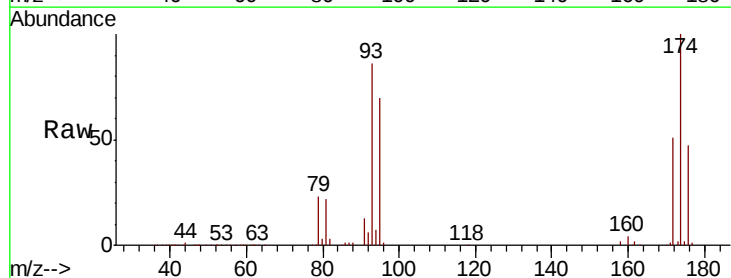
Tgt Ion: 93 Resp: 86094

Ion Ratio Lower Upper

93 100

95 83.2 67.5 101.3

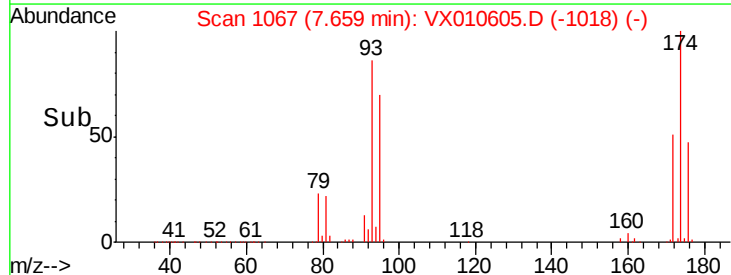
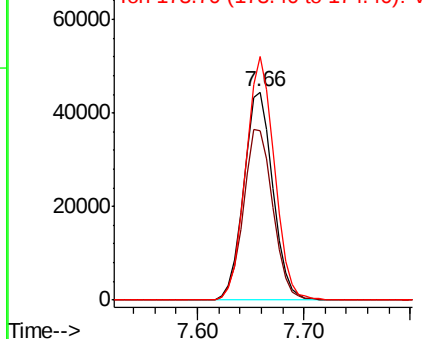
174 114.8 95.8 143.6

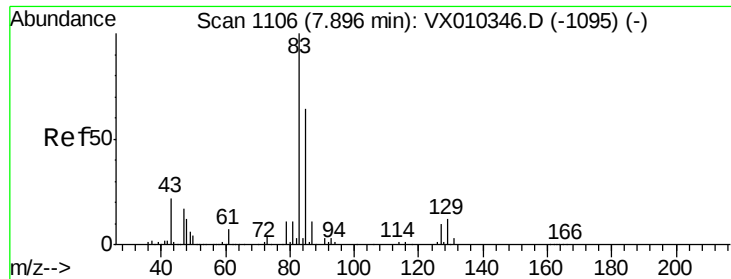


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





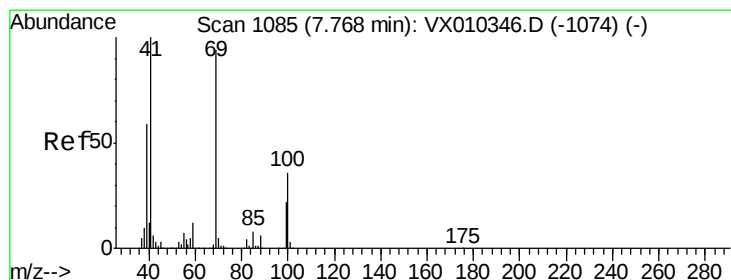
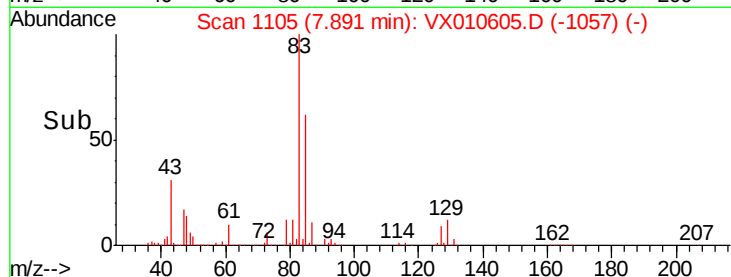
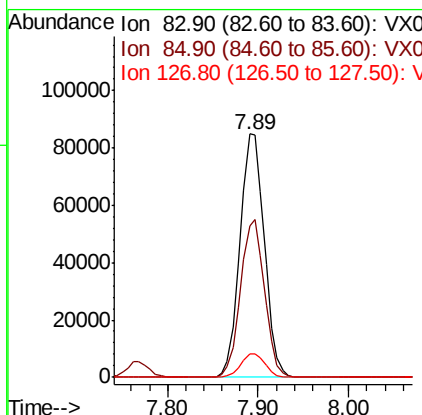
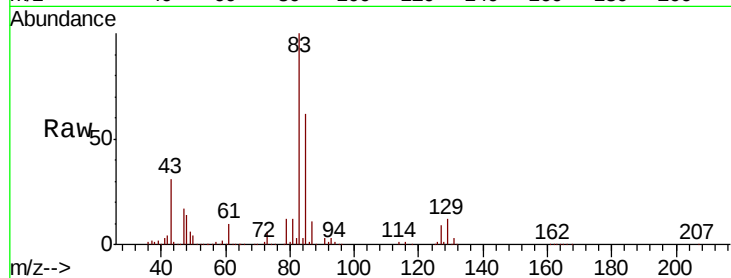
#47
Bromodichloromethane
Concen: 53.011 ug/l
RT: 7.89 min Scan# 1105
Delta R.T. -0.01 min
Lab File: VX010605.D
Acq: 02 Jul 2019 10:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	158137
Ion	Ratio	Lower	Upper
83	100		
85	62.3	51.5	77.3
127	9.4	7.8	11.8

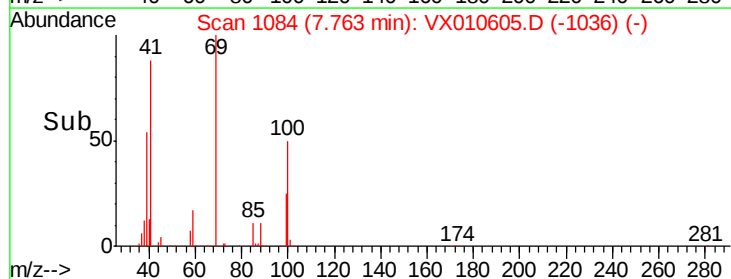
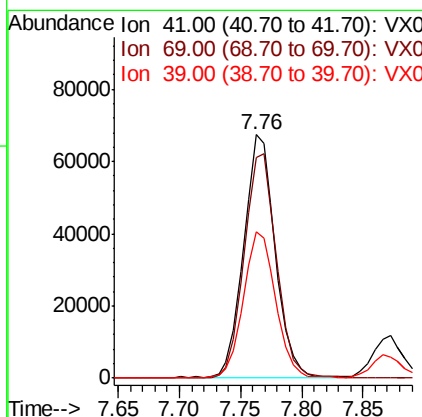
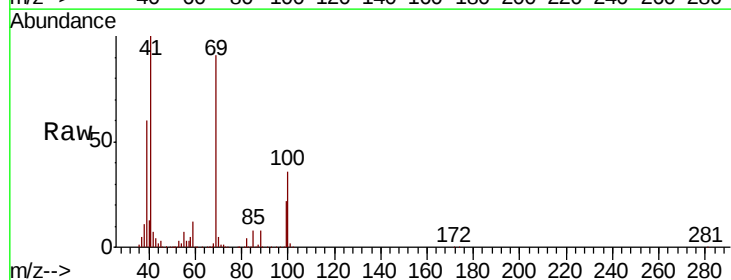
Manual Integrations
APPROVED

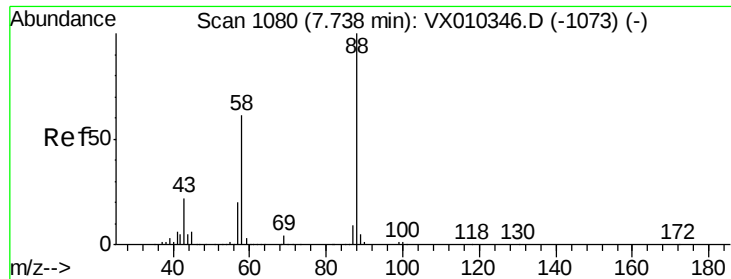
MMDadoda
7/3/2019 9:29:33 AM



#48
Methyl methacrylate
Concen: 52.743 ug/l
RT: 7.76 min Scan# 1084
Delta R.T. -0.01 min
Lab File: VX010605.D
Acq: 02 Jul 2019 10:12

Tgt Ion	41	Resp	120331
Ion	Ratio	Lower	Upper
41	100		
69	95.3	76.1	114.1
39	61.4	47.6	71.4





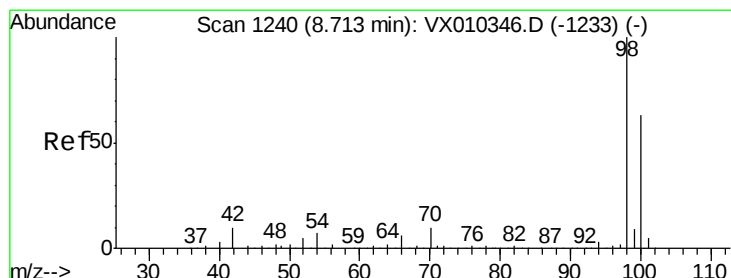
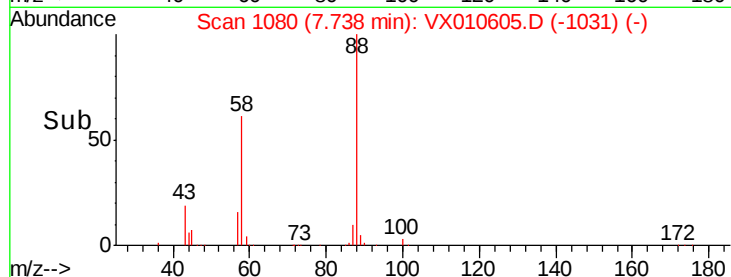
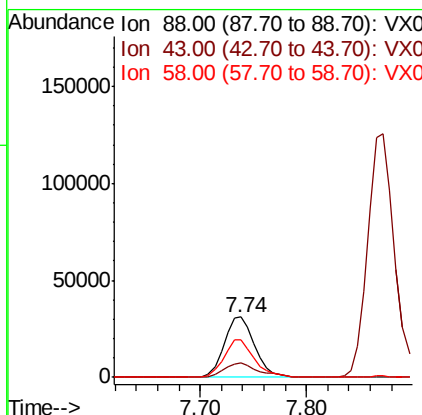
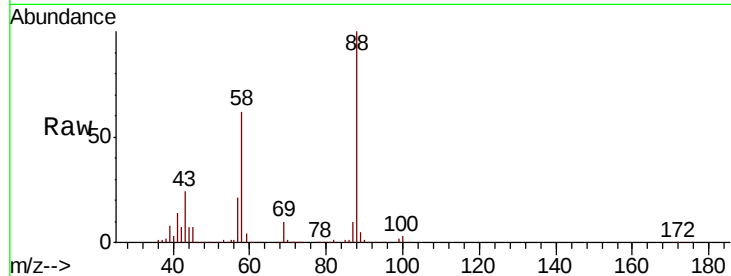
#49
1,4-Dioxane
Concen: 951.880 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX010605.D
Acq: 02 Jul 2019 10:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	26.7	20.2	30.2
58	61.9	49.5	74.3

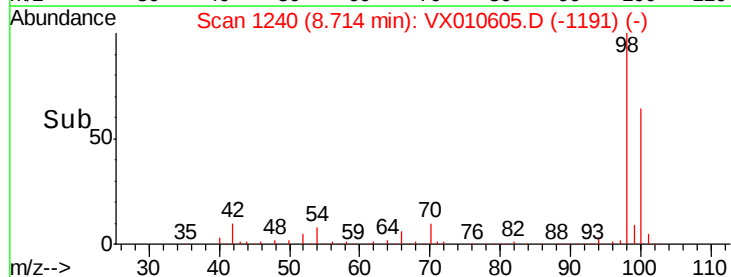
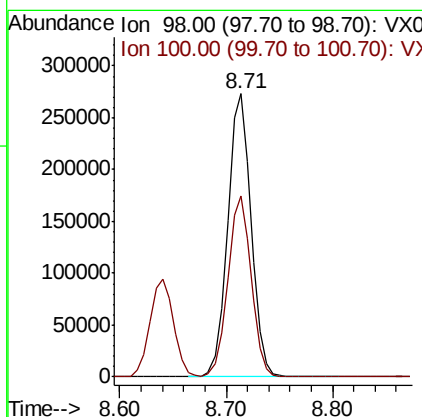
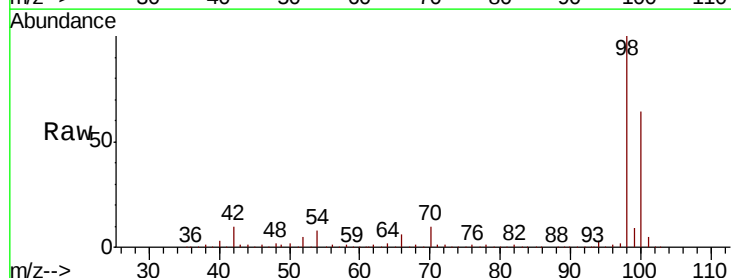
Manual Integrations
APPROVED

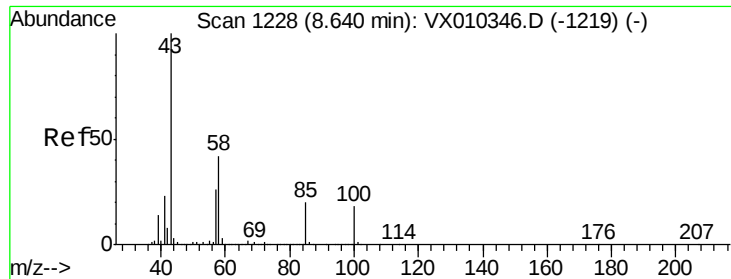
MMDadoda
7/3/2019 9:29:33 AM



#50
Toluene-d8
Concen: 49.459 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010605.D
Acq: 02 Jul 2019 10:12

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 263.510 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX010605.D

Acq: 02 Jul 2019 10:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 827200

Ion Ratio Lower Upper

43 100

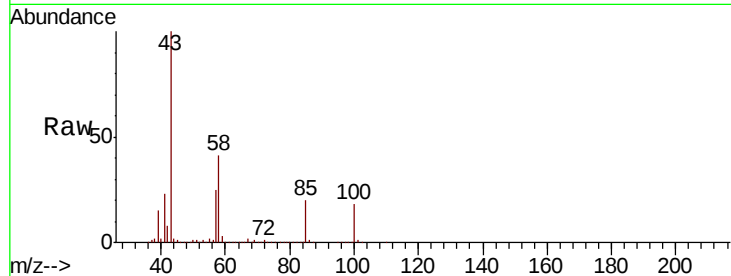
58 41.0 33.5 50.3

Manual Integrations

APPROVED

MMDadoda

7/3/2019 9:29:33 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

600000

500000

400000

300000

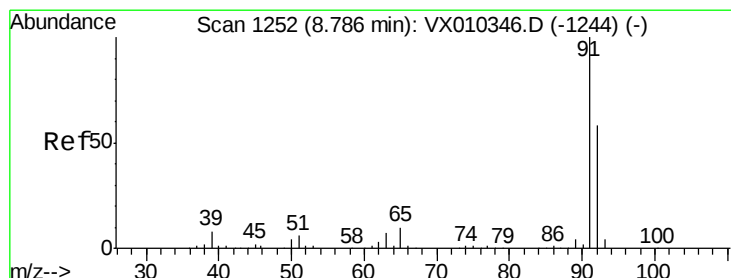
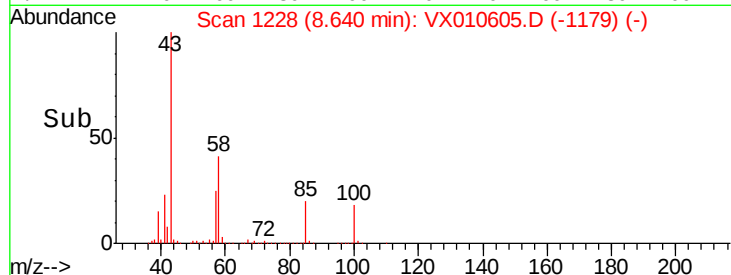
200000

100000

0

8.55 8.60 8.65 8.70

Time-->



#52

Toluene

Concen: 51.529 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX010605.D

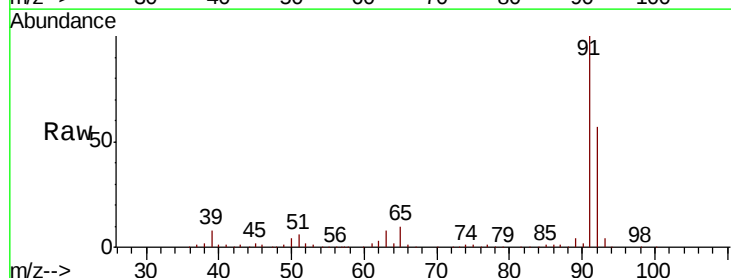
Acq: 02 Jul 2019 10:12

Tgt Ion: 92 Resp: 304868

Ion Ratio Lower Upper

92 100

91 173.5 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

400000

300000

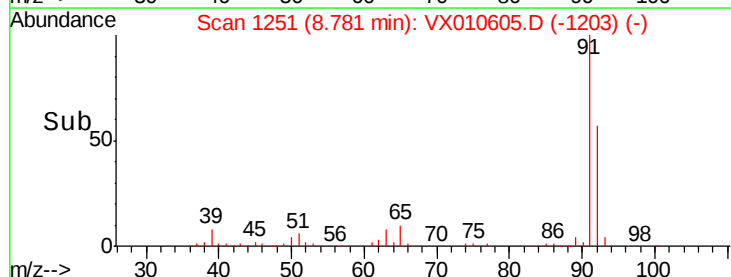
200000

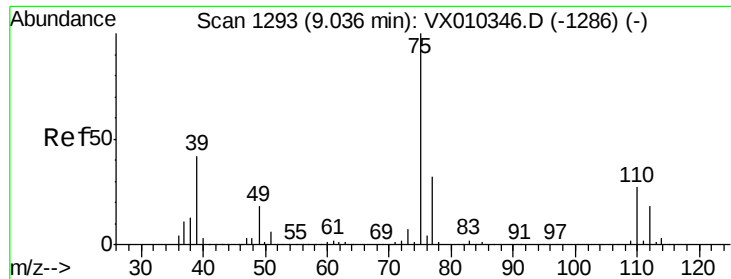
100000

0

8.70 8.80 8.90

Time-->





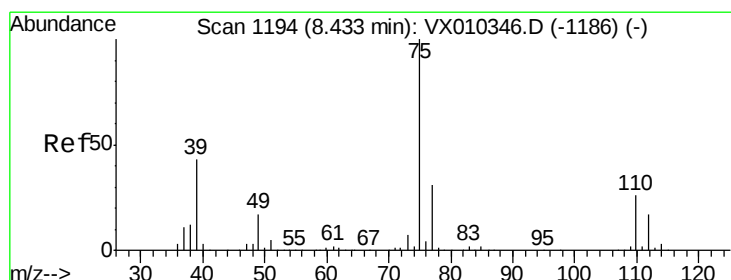
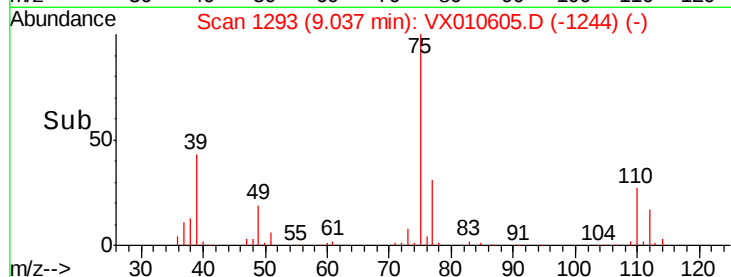
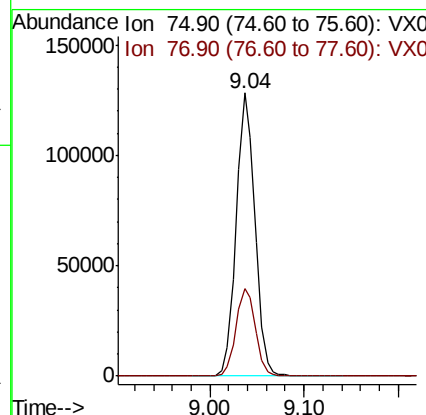
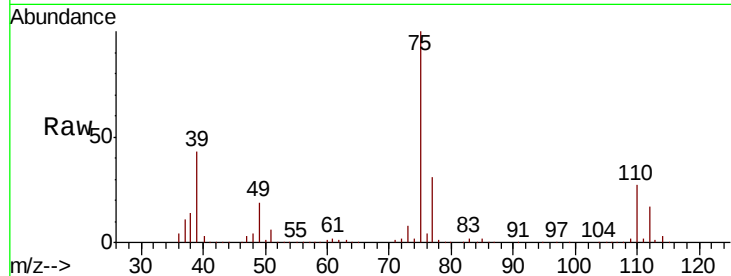
#53
t-1,3-Dichloropropene
Concen: 52.953 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX010605.D
Acq: 02 Jul 2019 10:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 177101
Ion Ratio Lower Upper
75 100
77 30.7 25.4 38.2

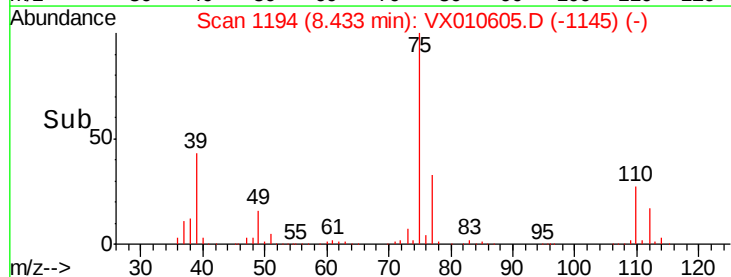
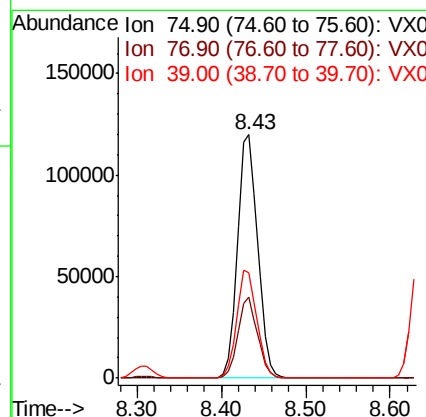
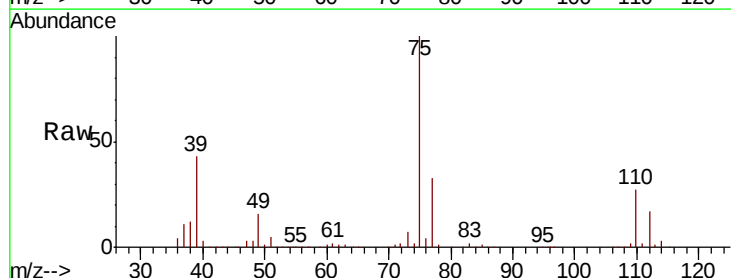
Manual Integrations
APPROVED

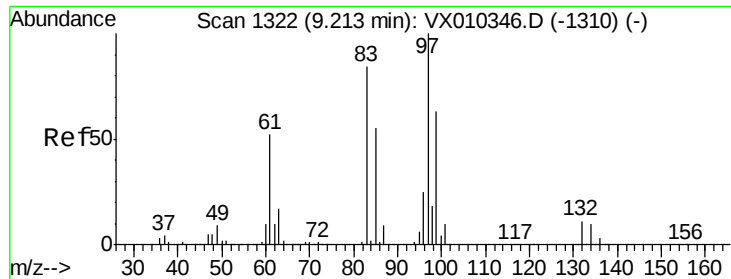
MMDadoda
7/3/2019 9:29:33 AM



#54
cis-1,3-Dichloropropene
Concen: 53.276 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX010605.D
Acq: 02 Jul 2019 10:12

Tgt Ion: 75 Resp: 193632
Ion Ratio Lower Upper
75 100
77 33.2 25.2 37.8
39 43.0 34.5 51.7





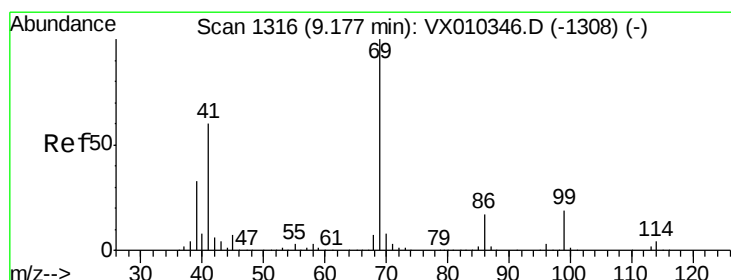
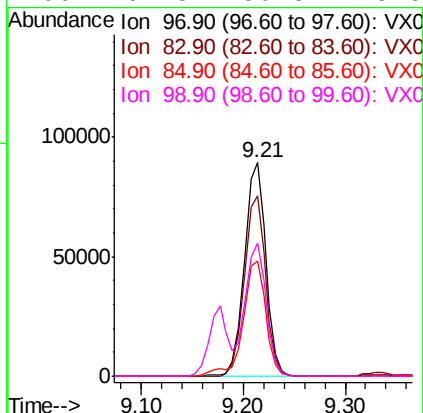
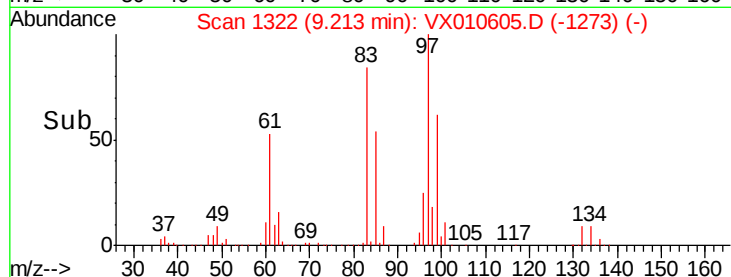
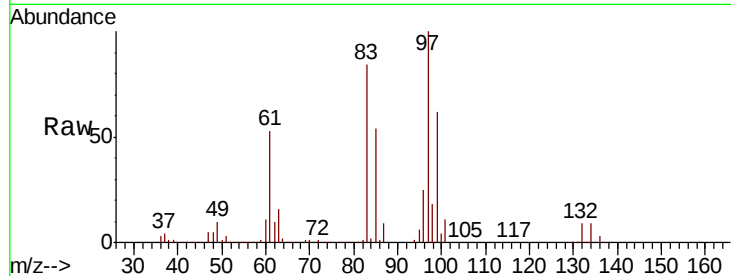
#55
 1,1,2-Trichloroethane
 Concen: 53.444 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX010605.D
 Acq: 02 Jul 2019 10:12

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
97	100	130407		
83	84.5	67.4	101.0	
85	53.9	43.8	65.8	
99	62.3	50.3	75.5	

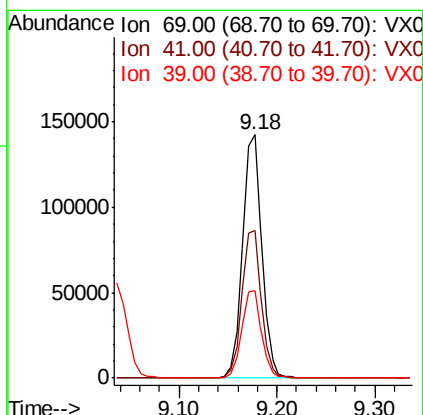
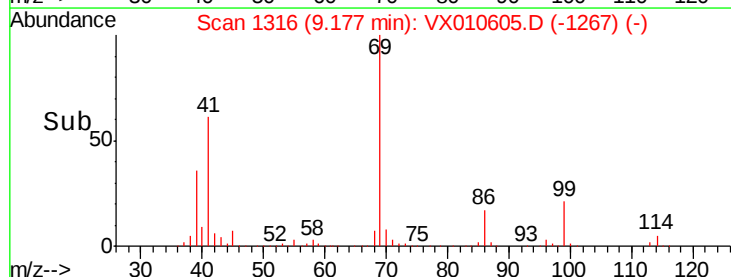
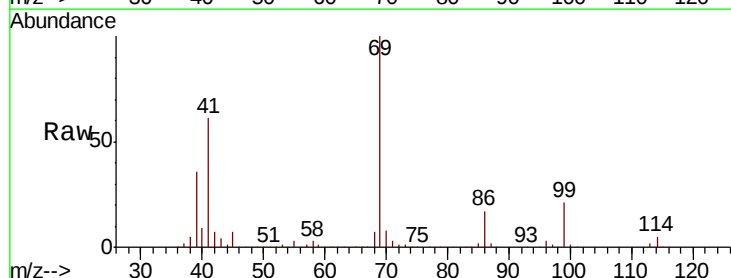
Manual Integrations
 APPROVED

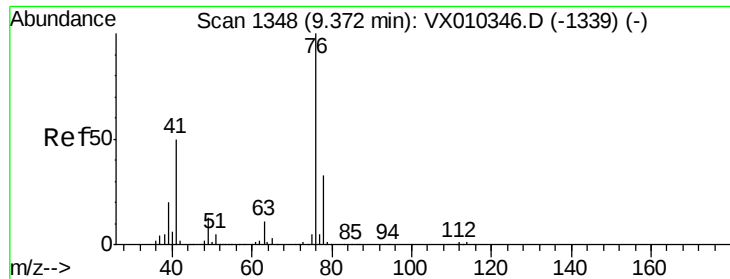
MMDadoda
 7/3/2019 9:29:33 AM



#56
 Ethyl methacrylate
 Concen: 52.731 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX010605.D
 Acq: 02 Jul 2019 10:12

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	194912		
41	60.8	47.1	70.7	
39	36.1	26.6	40.0	





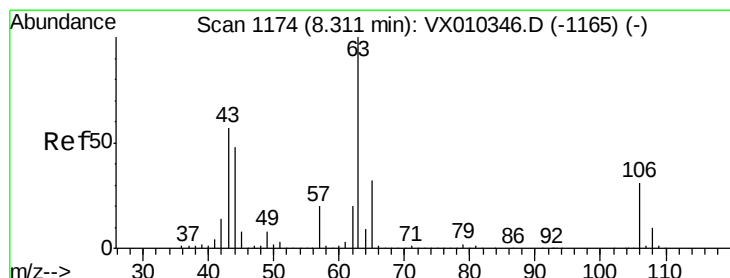
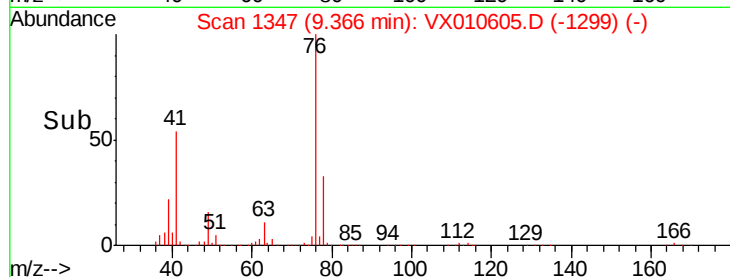
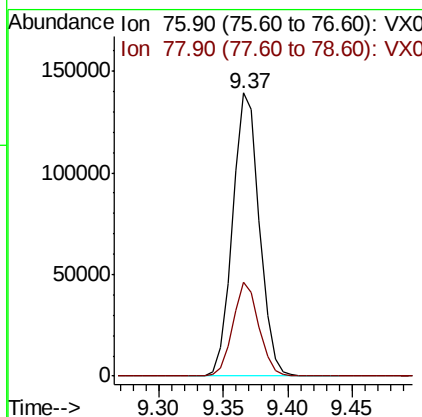
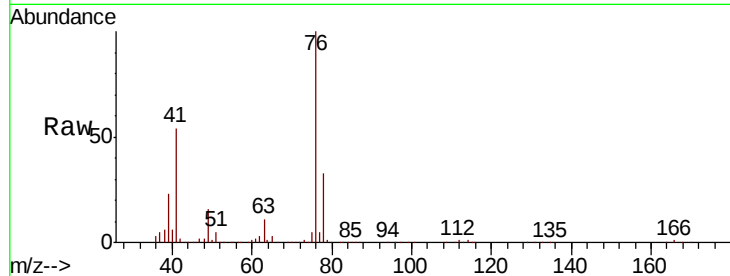
#57
 1,3-Dichloropropane
 Concen: 53.308 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VX010605.D
 Acq: 02 Jul 2019 10:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	26.1	39.1

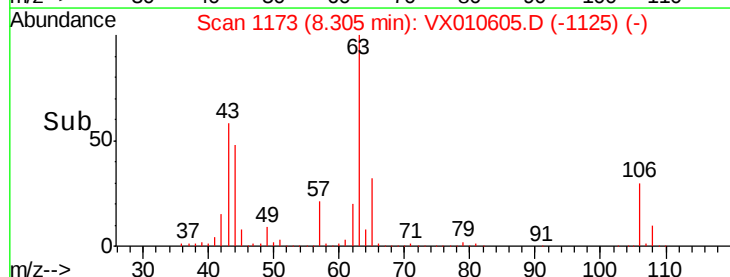
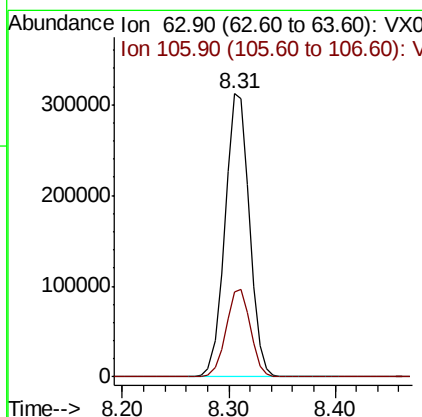
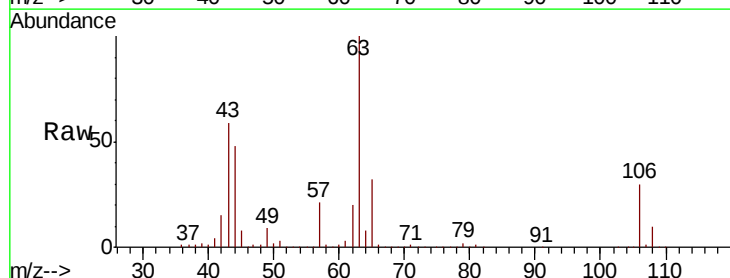
Manual Integrations
 APPROVED

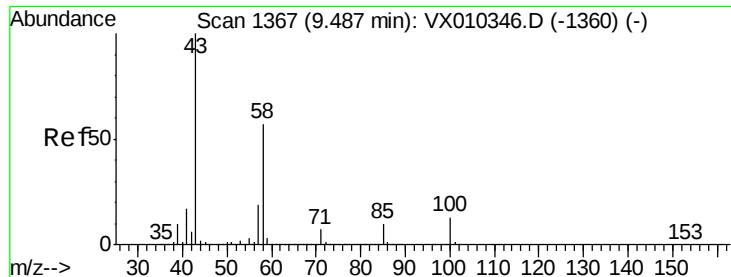
MMDadoda
 7/3/2019 9:29:33 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 286.225 ug/l
 RT: 8.31 min Scan# 1173
 Delta R.T. -0.01 min
 Lab File: VX010605.D
 Acq: 02 Jul 2019 10:12

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.8	24.7	37.1





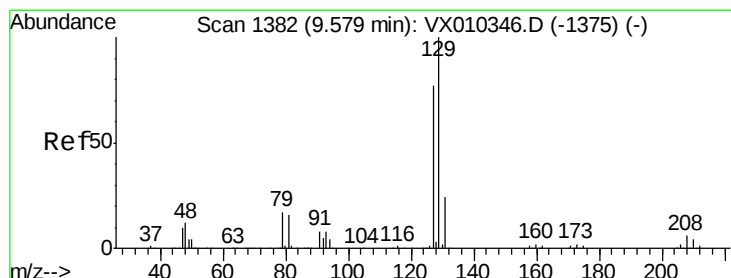
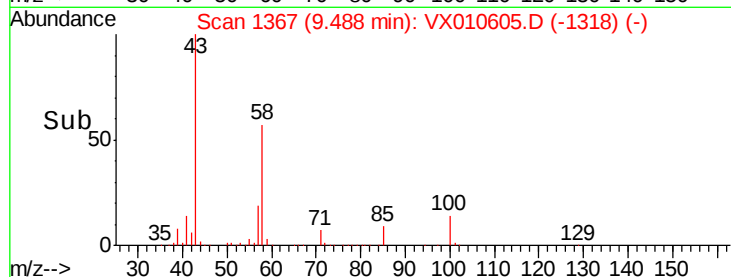
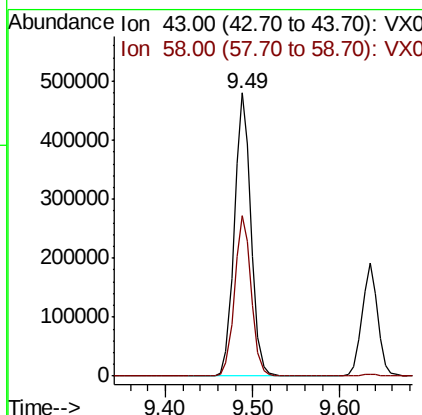
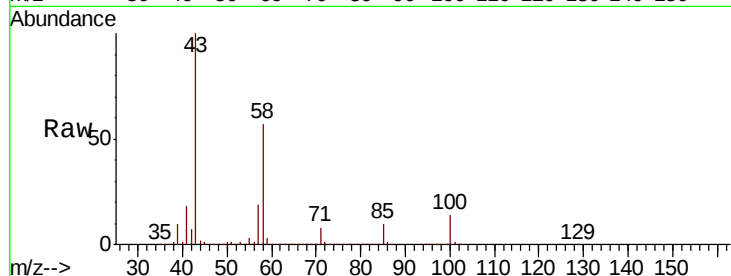
#59
2-Hexanone
Concen: 259.148 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX010605.D
Acq: 02 Jul 2019 10:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 640259
Ion Ratio Lower Upper
43 100
58 56.9 29.0 87.1

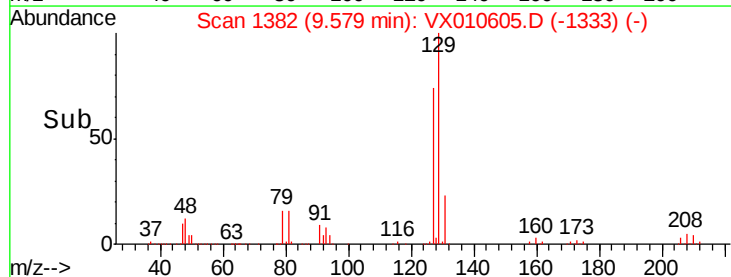
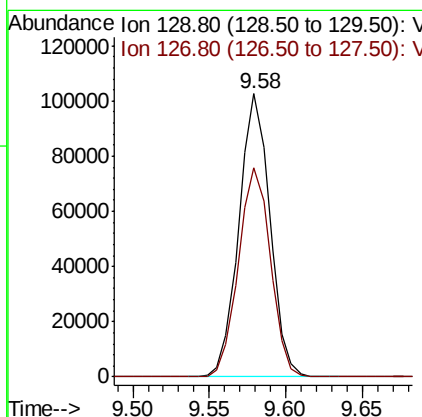
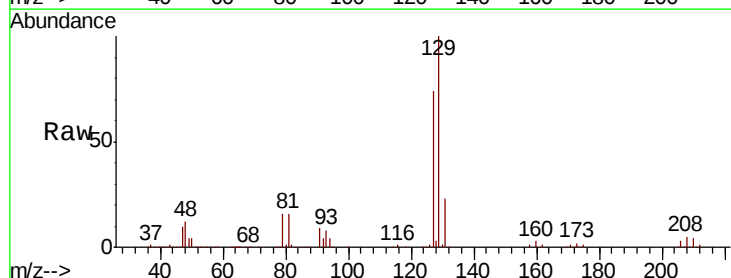
Manual Integrations
APPROVED

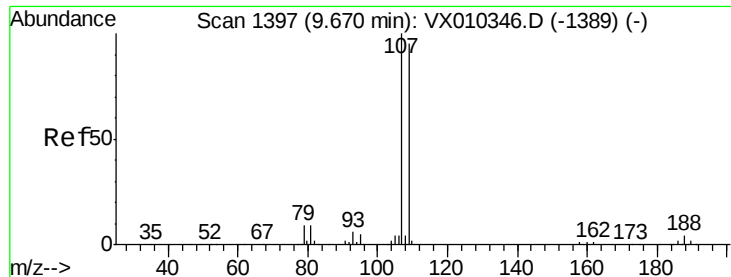
MMDadoda
7/3/2019 9:29:33 AM



#60
Dibromochloromethane
Concen: 52.839 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX010605.D
Acq: 02 Jul 2019 10:12

Tgt Ion: 129 Resp: 144360
Ion Ratio Lower Upper
129 100
127 76.5 38.4 115.1





#61

1,2-Dibromoethane

Concen: 52.467 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX010605.D

Acq: 02 Jul 2019 10:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 138185

Ion Ratio Lower Upper

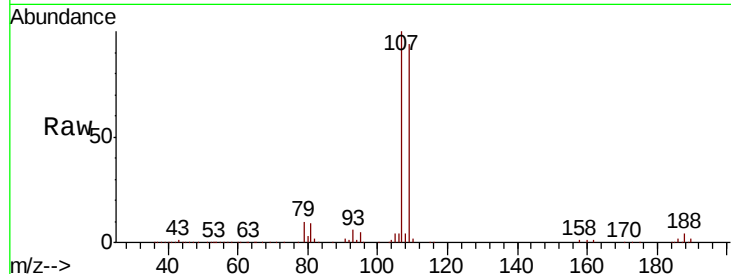
107 100

109 94.0 75.8 113.6

Manual Integrations
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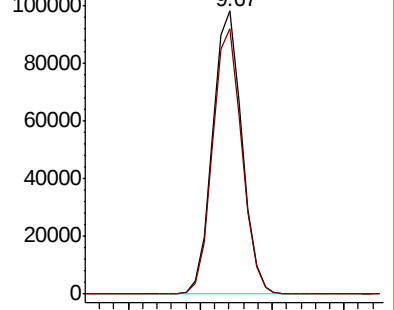
MMDadoda

7/3/2019 9:29:33 AM

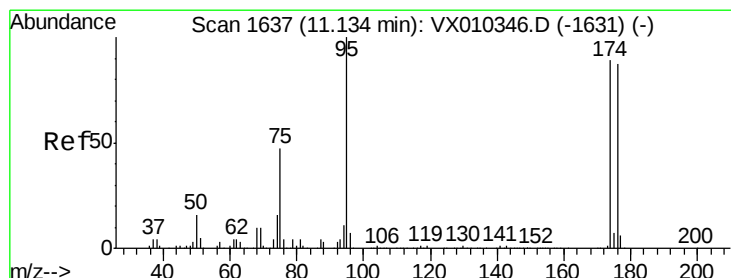
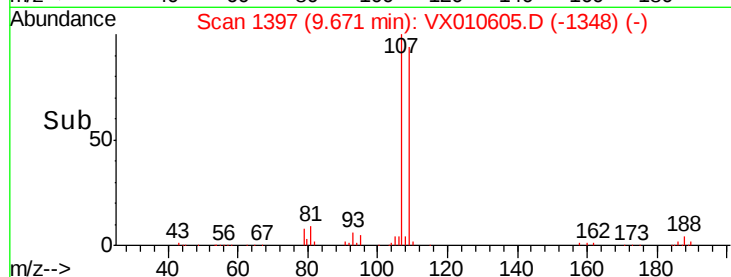


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time-->



#62

4-Bromofluorobenzene

Concen: 50.052 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010605.D

Acq: 02 Jul 2019 10:12

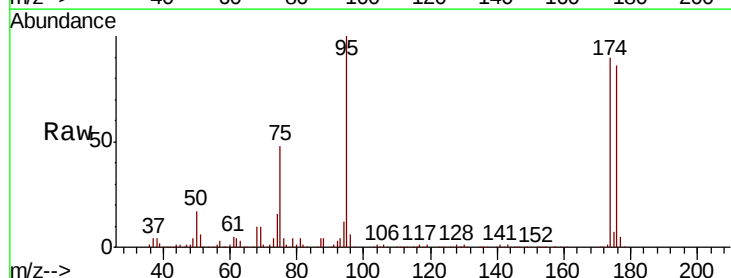
Tgt Ion: 95 Resp: 153497

Ion Ratio Lower Upper

95 100

174 92.3 0.0 187.6

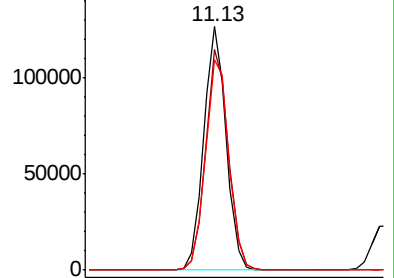
176 90.4 0.0 184.0



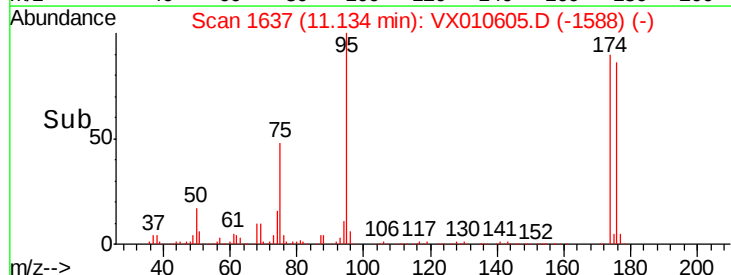
Abundance Ion 94.90 (94.60 to 95.60): VX0

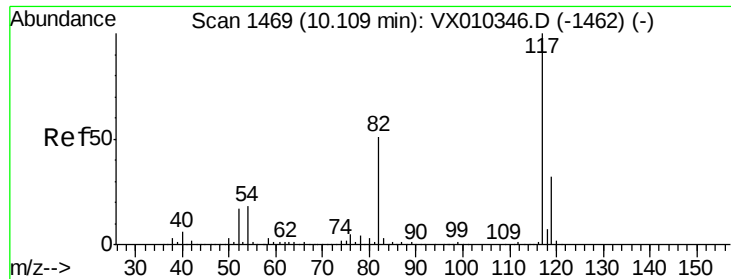
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->





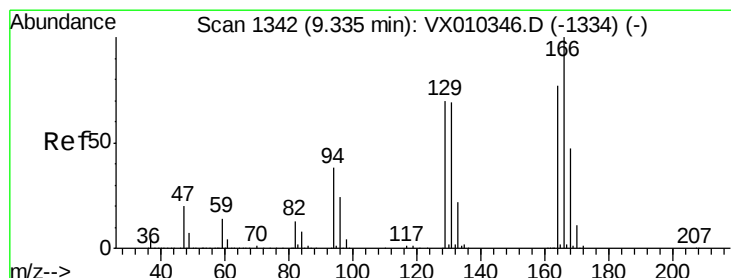
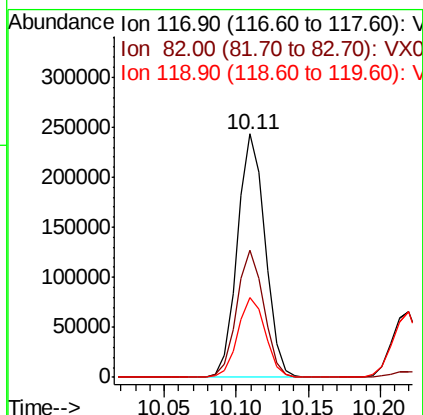
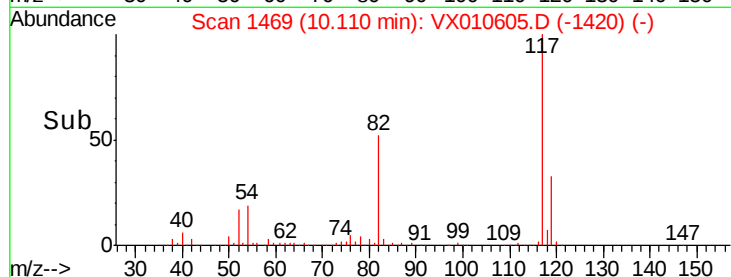
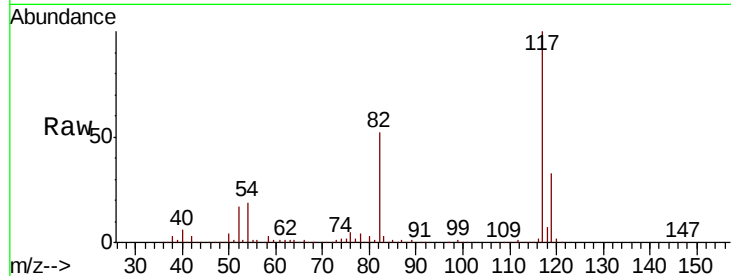
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010605.D
Acq: 02 Jul 2019 10:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.2	41.2	61.8
119	33.0	25.5	38.3

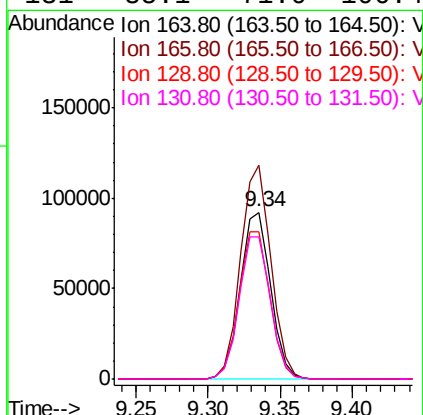
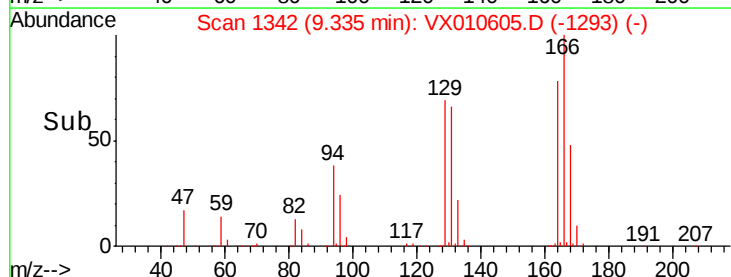
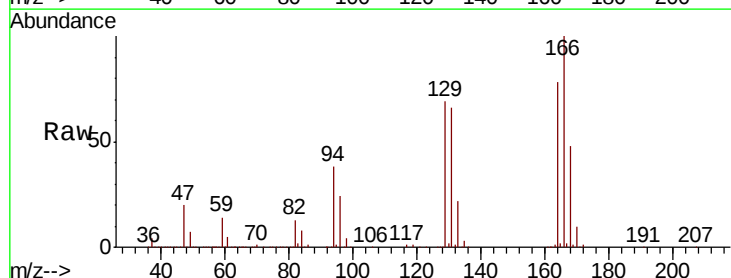
Manual Integrations
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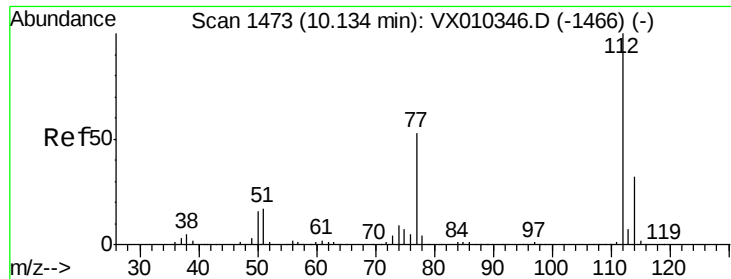
MMDadoda
7/3/2019 9:29:33 AM



#64
Tetrachloroethene
Concen: 51.071 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010605.D
Acq: 02 Jul 2019 10:12

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.1	103.6	155.4
129	88.3	73.0	109.4
131	85.1	71.0	106.4





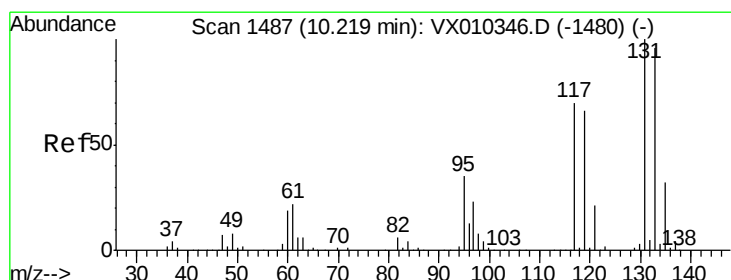
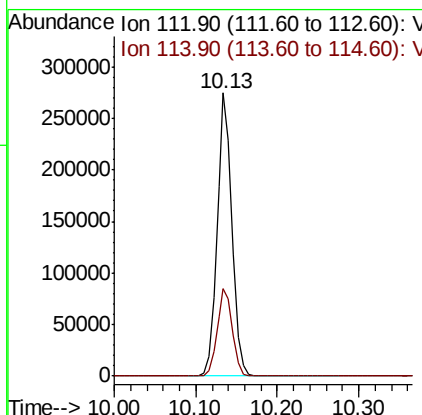
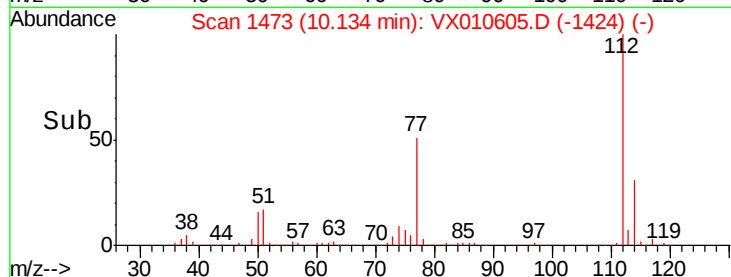
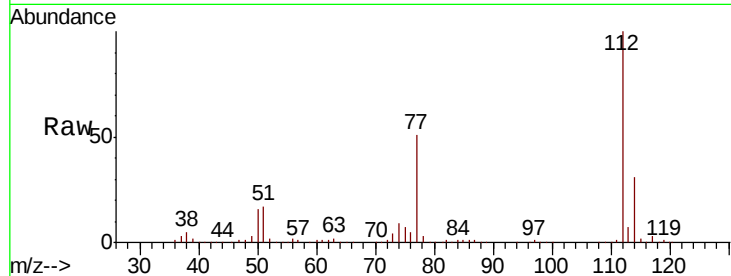
#65
Chlorobenzene
Concen: 52.990 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX010605.D
Acq: 02 Jul 2019 10:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 351213
Ion Ratio Lower Upper
112 100
114 30.9 25.4 38.2

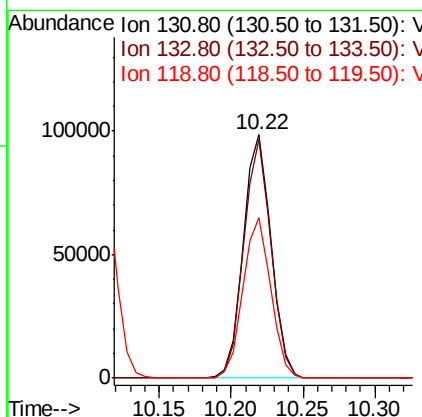
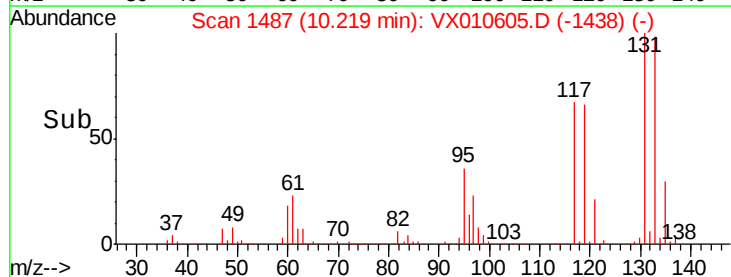
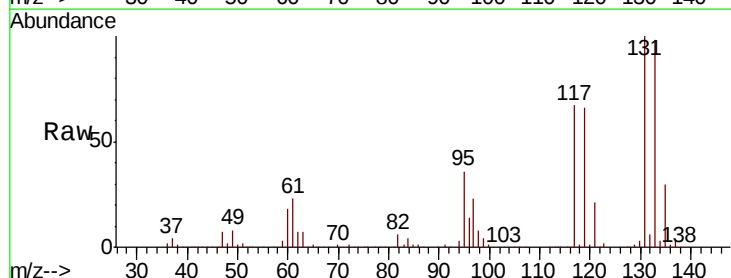
Manual Integrations
APPROVED

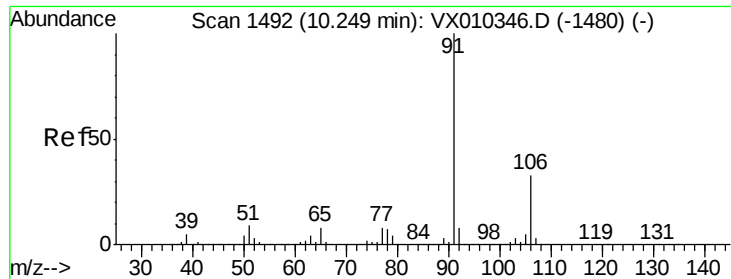
MMDadoda
7/3/2019 9:29:33 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 54.504 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX010605.D
Acq: 02 Jul 2019 10:12

Tgt Ion:131 Resp: 131587
Ion Ratio Lower Upper
131 100
133 95.8 47.7 143.1
119 65.9 32.6 97.7





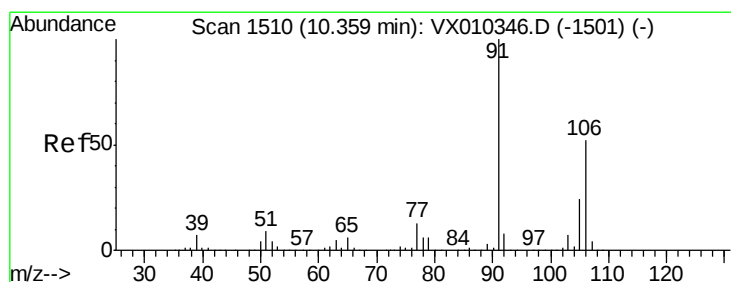
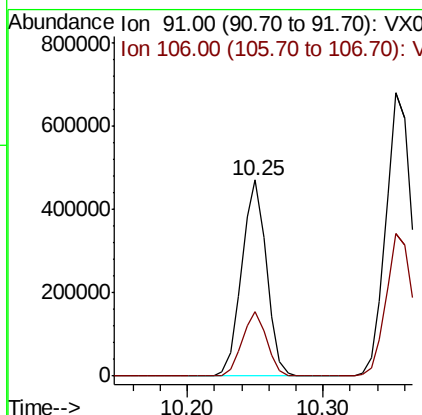
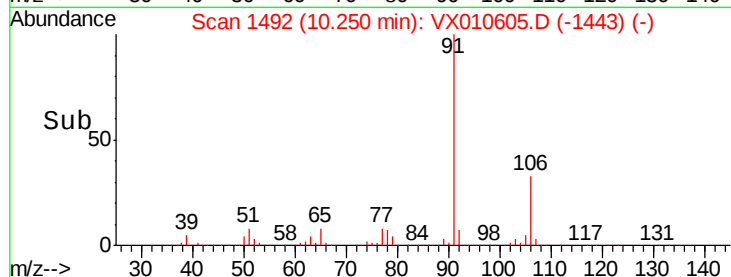
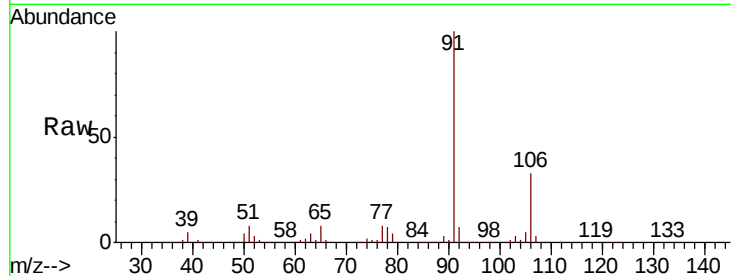
#67
Ethyl Benzene
Concen: 53.400 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX010605.D
Acq: 02 Jul 2019 10:12

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 597513
Ion Ratio Lower Upper
91 100
106 32.6 26.2 39.2

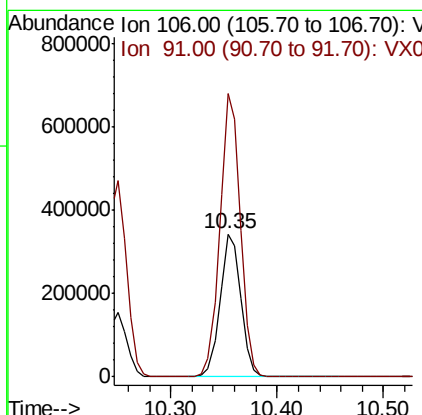
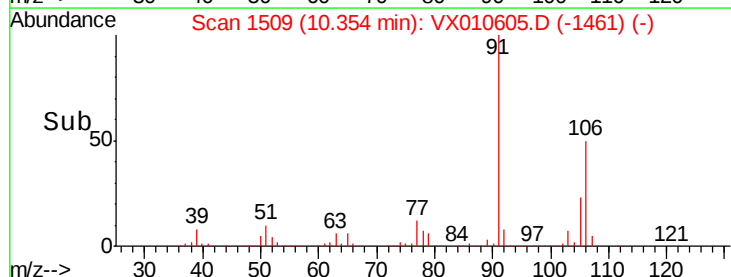
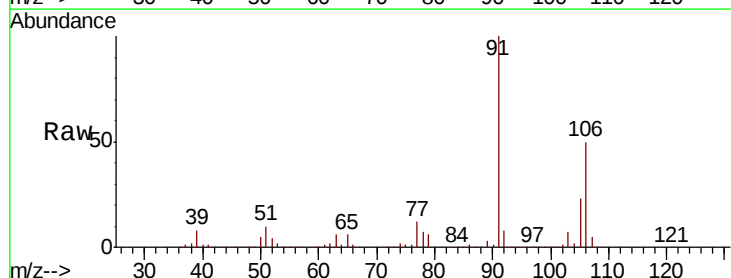
Manual Integrations
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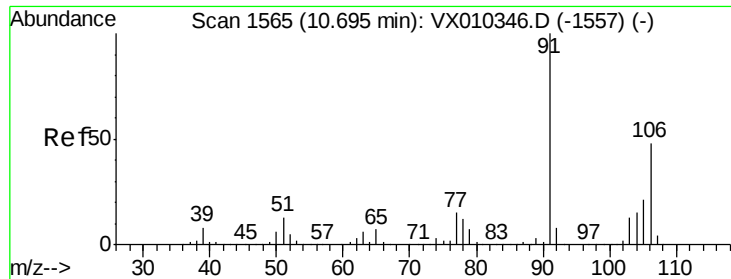
MMDadoda
7/3/2019 9:29:33 AM



#68
m/p-Xylenes
Concen: 106.224 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX010605.D
Acq: 02 Jul 2019 10:12

Tgt Ion: 106 Resp: 460549
Ion Ratio Lower Upper
106 100
91 196.8 155.3 232.9





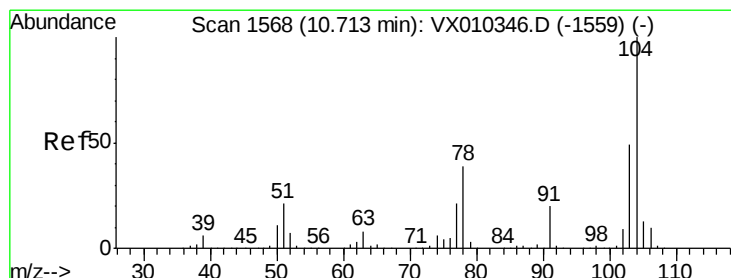
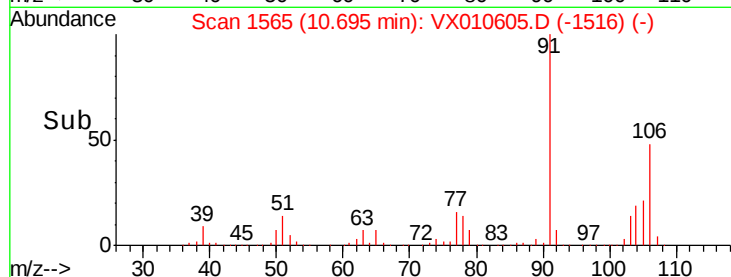
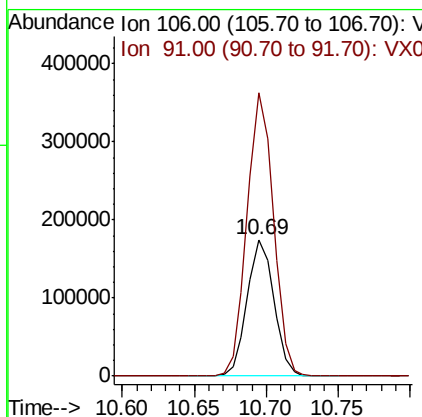
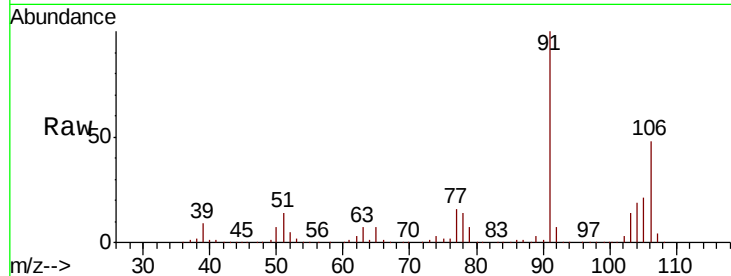
#69
o-Xylene
Concen: 52.599 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010605.D
Acq: 02 Jul 2019 10:12

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion:106 Resp: 224267
Ion Ratio Lower Upper
106 100
91 205.3 102.7 308.1

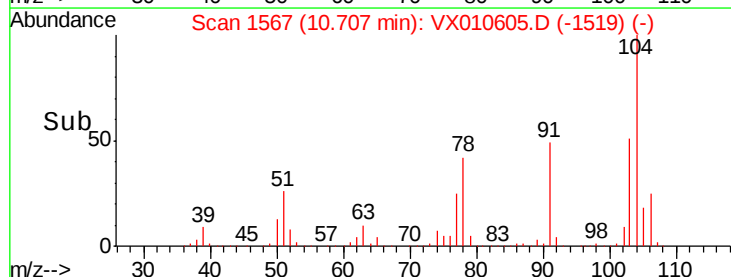
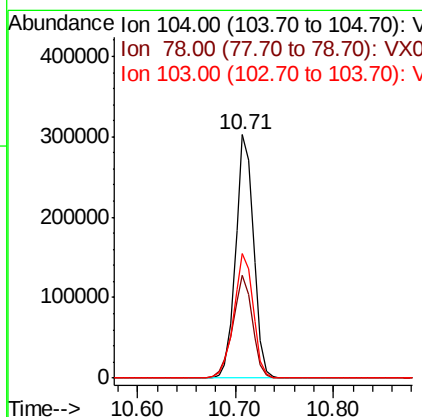
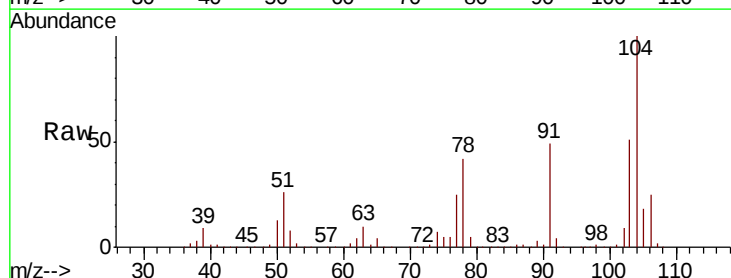
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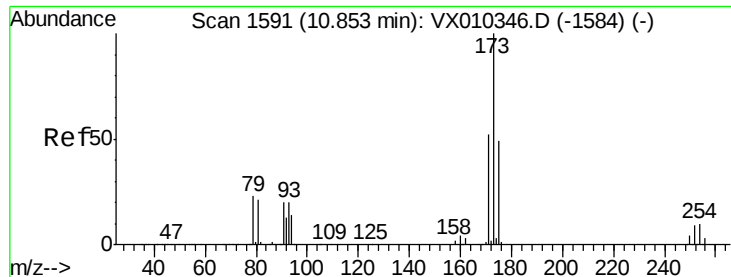
MMDadoda
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#70
Styrene
Concen: 53.983 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX010605.D
Acq: 02 Jul 2019 10:12

Tgt Ion:104 Resp: 385997
Ion Ratio Lower Upper
104 100
78 46.0 36.2 54.2
103 55.3 44.2 66.4





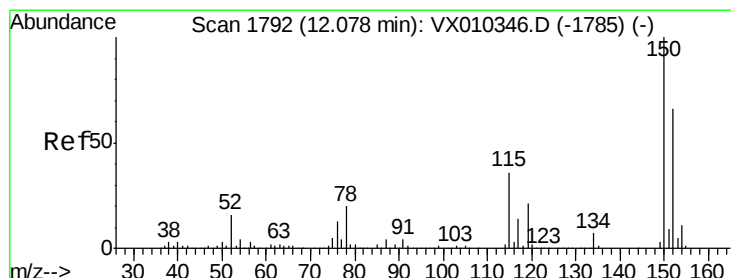
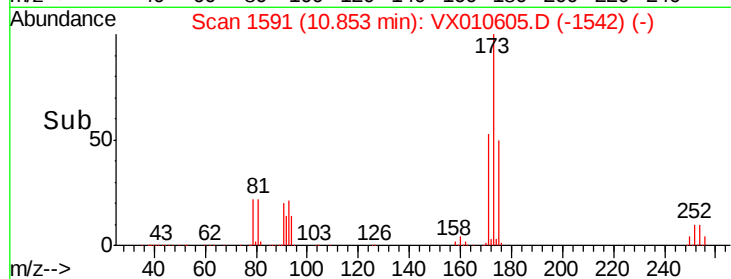
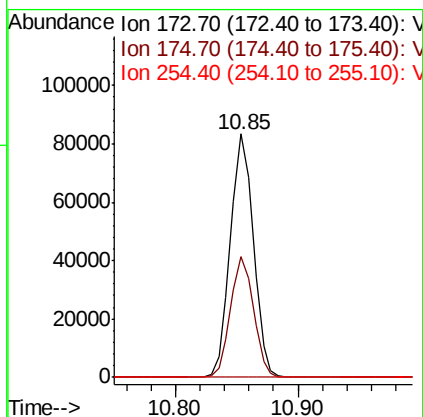
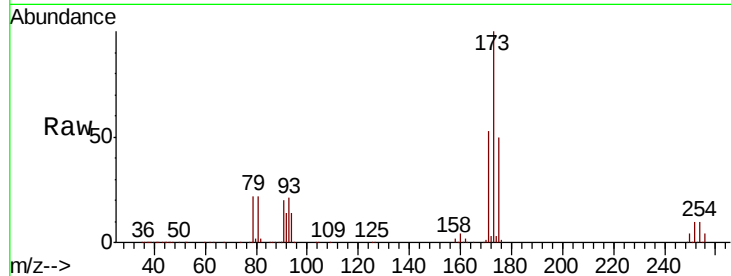
#71
Bromoform
Concen: 51.632 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX010605.D
Acq: 02 Jul 2019 10:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.1	72.3
254	0.2	0.2	0.2

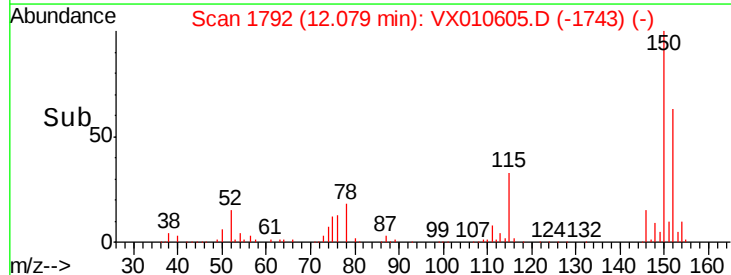
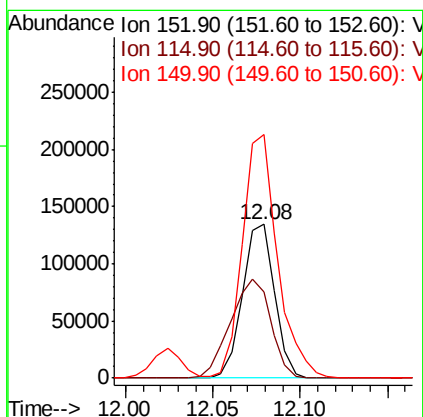
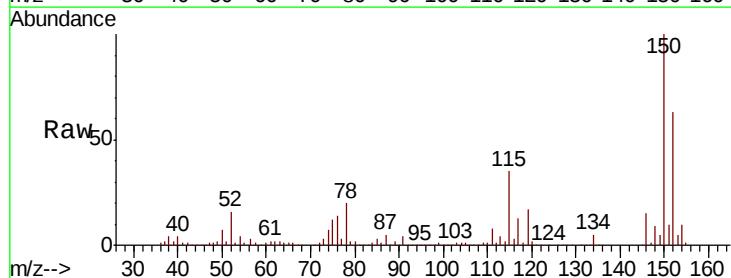
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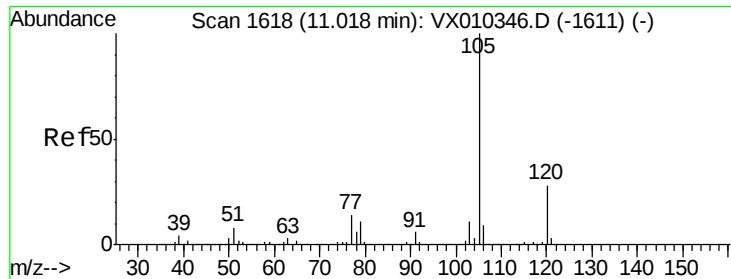
MMDadoda
7/3/2019 9:29:33 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010605.D
Acq: 02 Jul 2019 10:12

Tgt Ion	Ratio	Lower	Upper
152	100		
115	81.1	38.6	115.7
150	173.6	0.0	347.4





#73

Isopropylbenzene

Concen: 52.451 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010605.D

Acq: 02 Jul 2019 10:12

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 607175

Ion Ratio Lower Upper

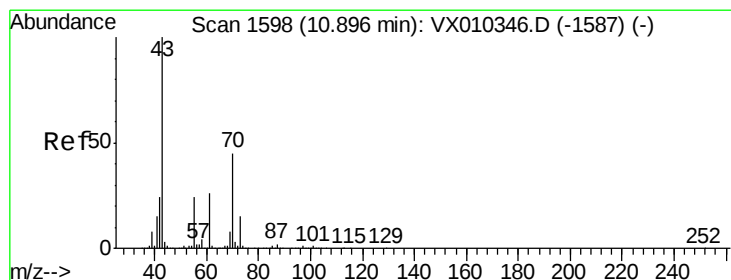
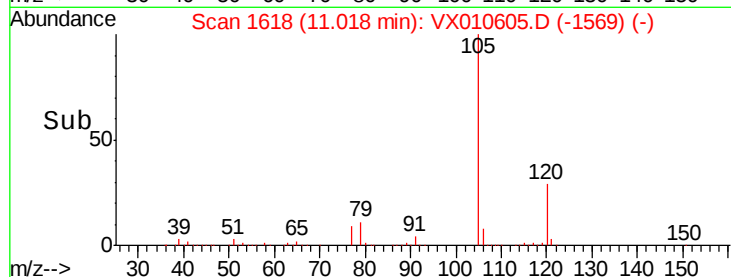
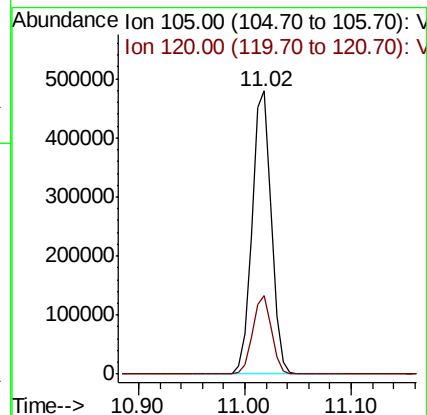
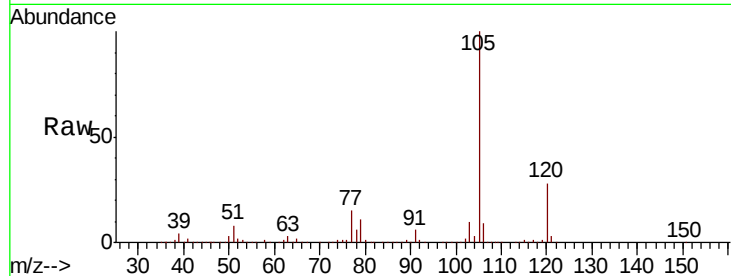
105 100

120 27.3 14.1 42.4

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#74

N-ethyl acetate

Concen: 52.705 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX010605.D

Acq: 02 Jul 2019 10:12

Tgt Ion: 43 Resp: 230576

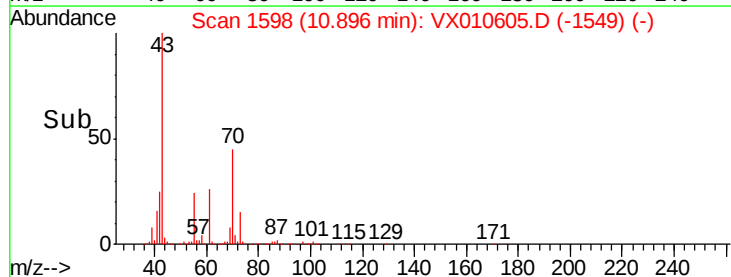
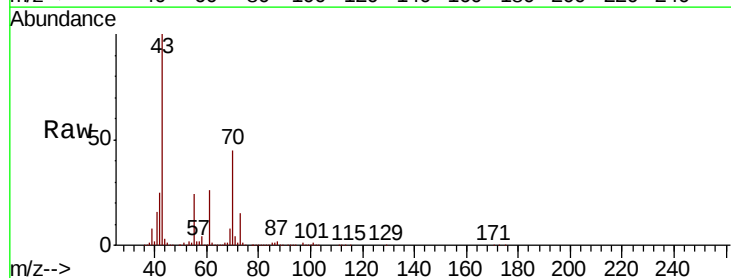
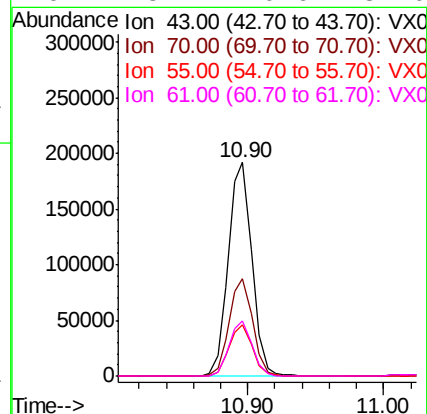
Ion Ratio Lower Upper

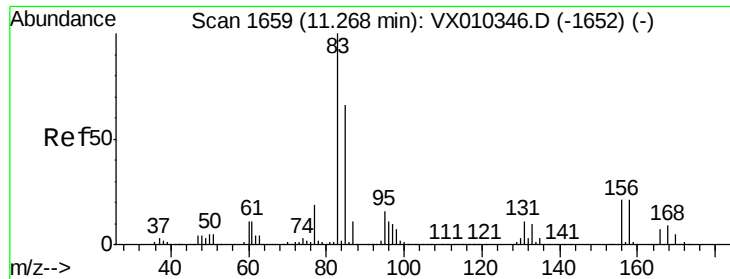
43 100

70 45.3 36.6 54.8

55 23.7 18.7 28.1

61 25.1 20.6 31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 50.554 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX010605.D

Acq: 02 Jul 2019 10:12

Instrument :

MSVOA_X

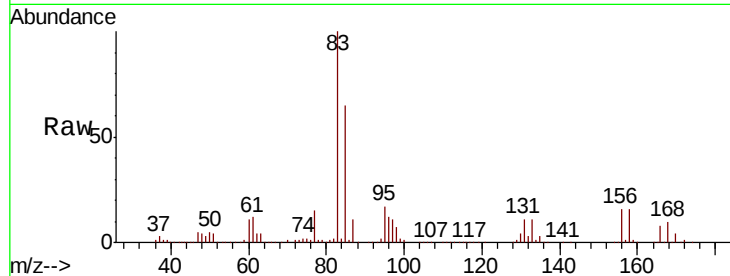
ClientSampleId :

VSTDCCC050

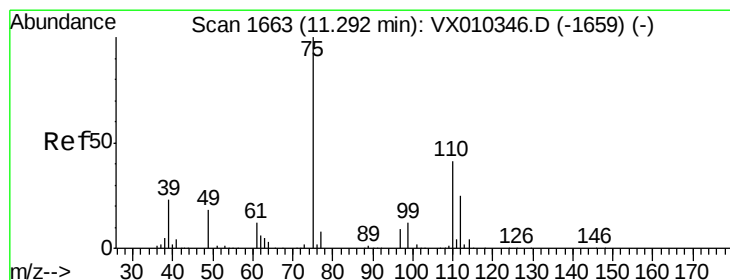
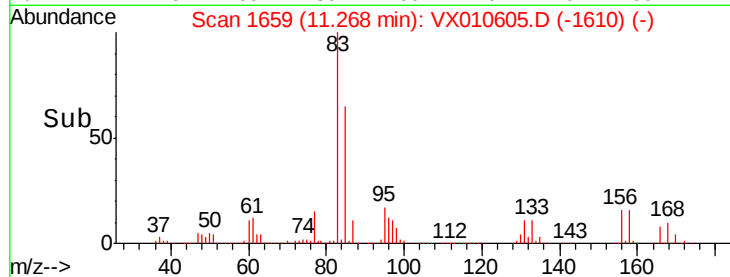
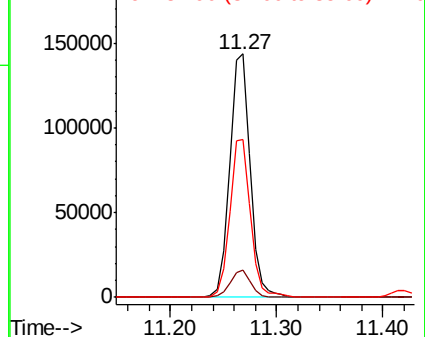
Tot Ion:	83	Resp:	193806
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.5	16.4
85	65.2	32.3	96.8

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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: 53.232 ug/l m

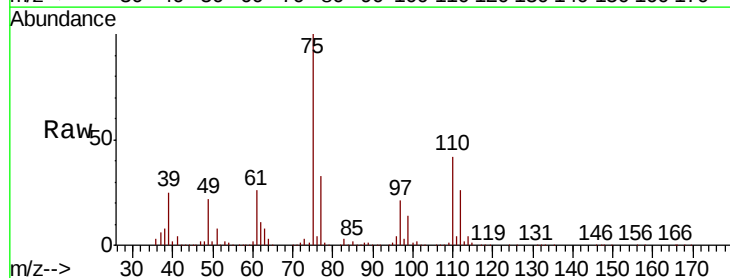
RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

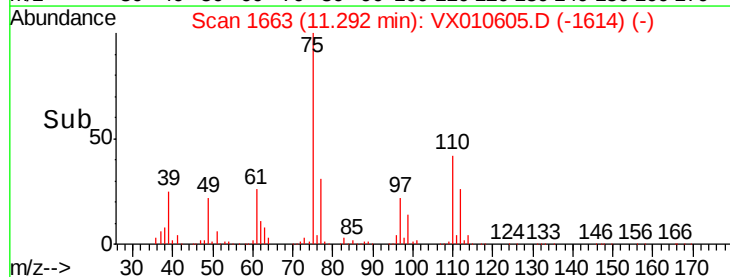
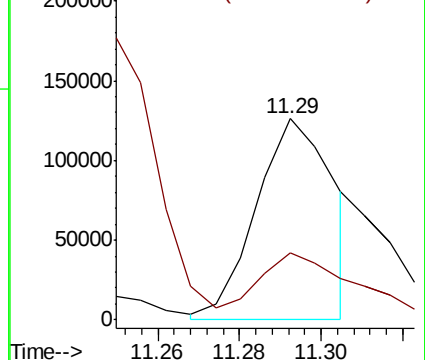
Lab File: VX010605.D

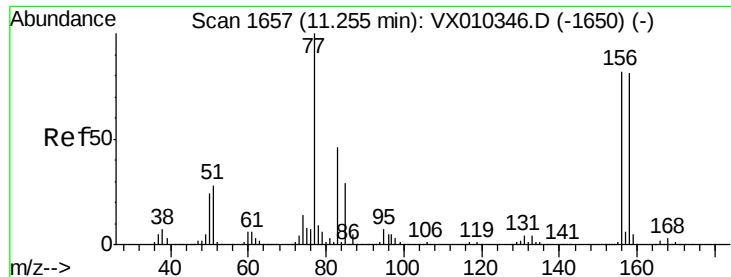
Acq: 02 Jul 2019 10:12

Tgt Ion:	75	Resp:	165650
Ion Ratio	Lower	Upper	
75	100		
77	42.5	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: 50.747 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX010605.D

Acq: 02 Jul 2019 10:12

Instrument :

MSVOA_X

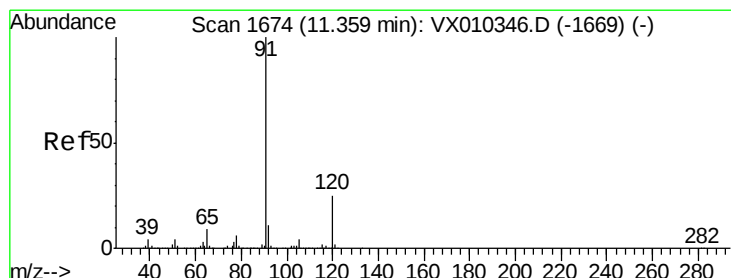
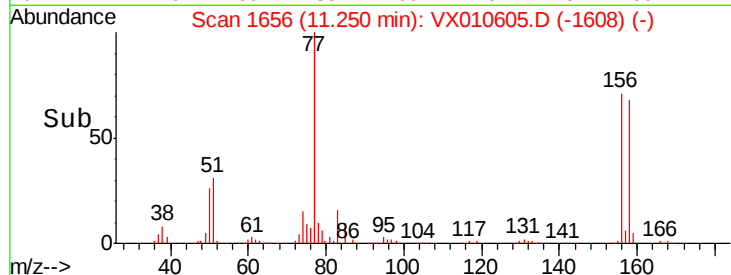
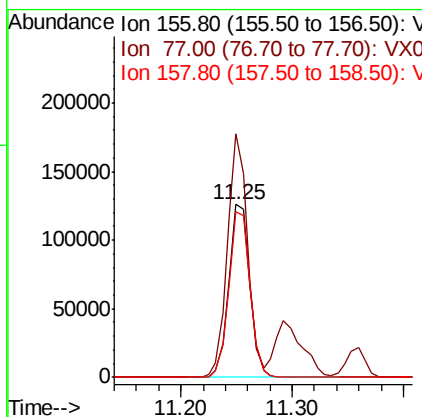
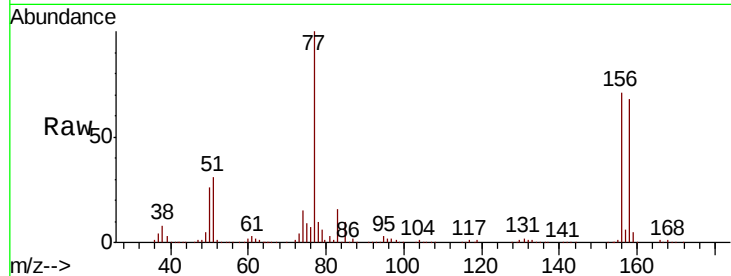
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	164031
Ion	Ratio	Lower	Upper
156	100		
77	134.5	66.3	198.7
158	97.0	48.9	146.7

Manual Integrations
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#78

n-propylbenzene

Concen: 54.020 ug/l

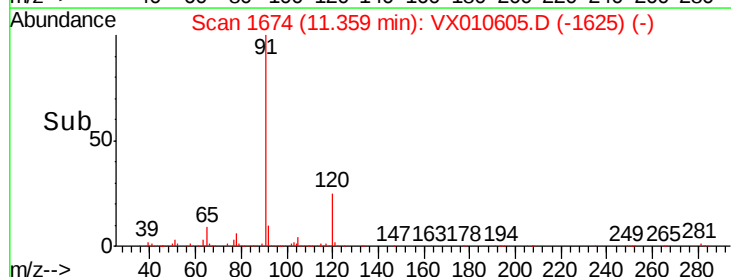
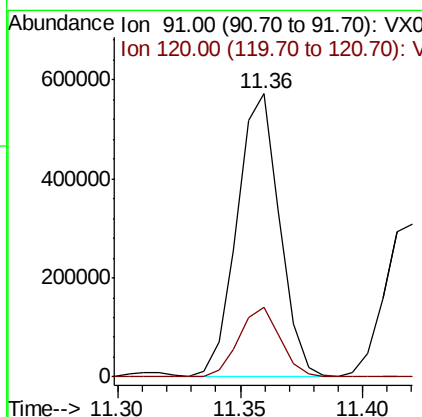
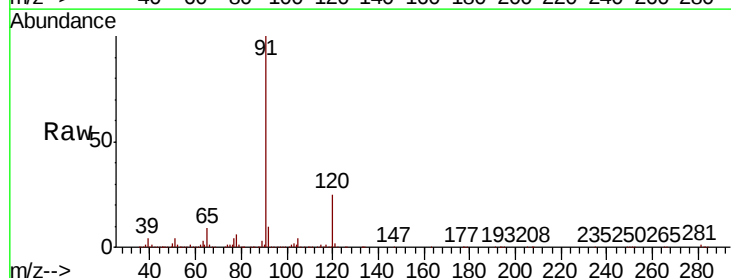
RT: 11.36 min Scan# 1674

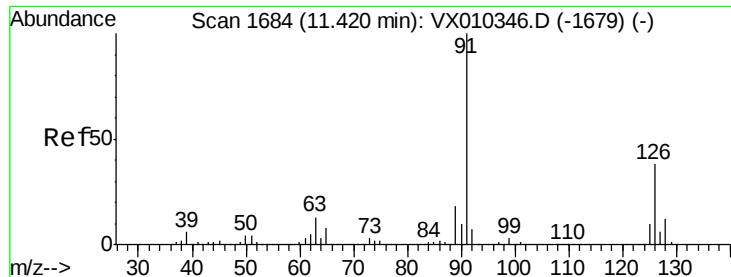
Delta R.T. 0.00 min

Lab File: VX010605.D

Acq: 02 Jul 2019 10:12

Tgt Ion:	91	Resp:	687265
Ion	Ratio	Lower	Upper
91	100		
120	24.4	12.4	37.4





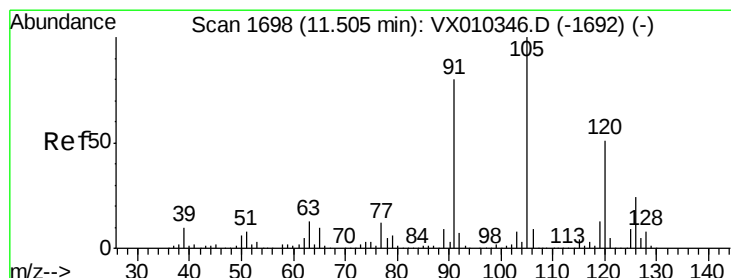
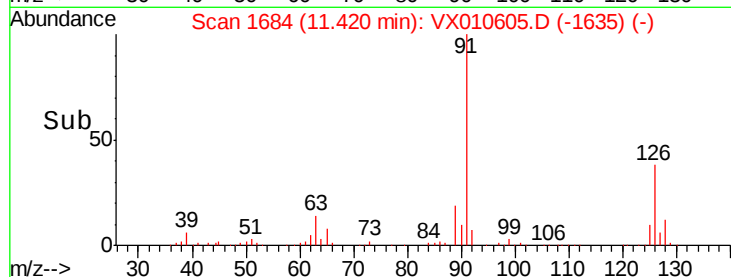
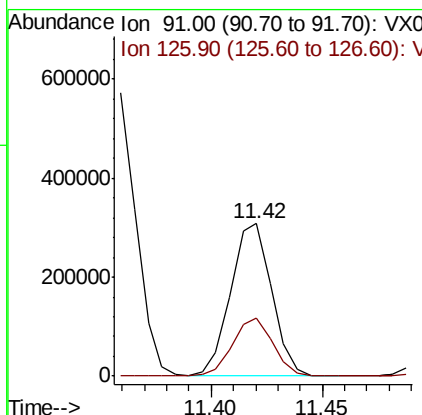
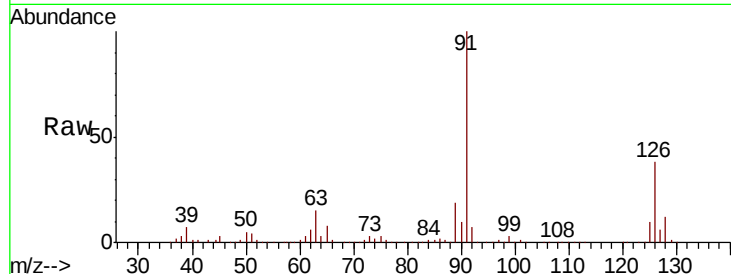
#79
 2-Chlorotoluene
 Concen: 52.052 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX010605.D
 Acq: 02 Jul 2019 10:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 394340
 Ion Ratio Lower Upper
 91 100
 126 37.3 18.7 56.1

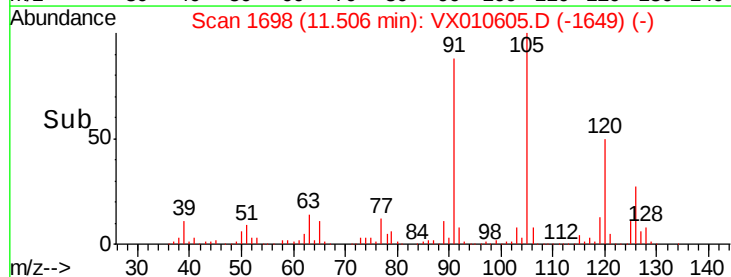
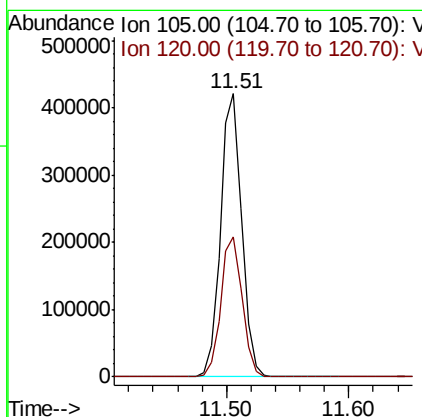
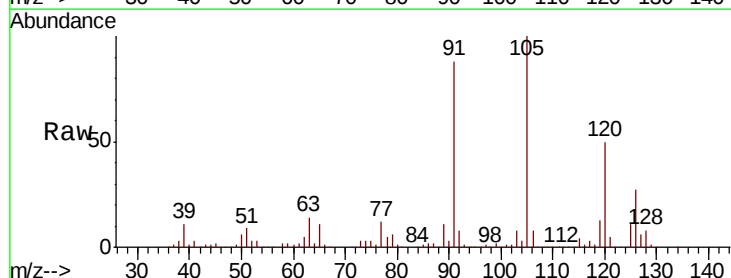
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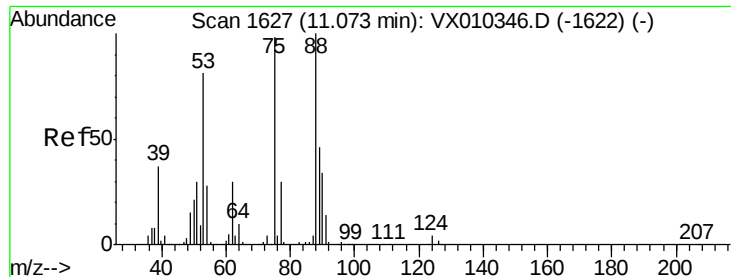
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#80
 1,3,5-Trimethylbenzene
 Concen: 52.675 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX010605.D
 Acq: 02 Jul 2019 10:12

Tgt Ion: 105 Resp: 502675
 Ion Ratio Lower Upper
 105 100
 120 50.3 25.2 75.6





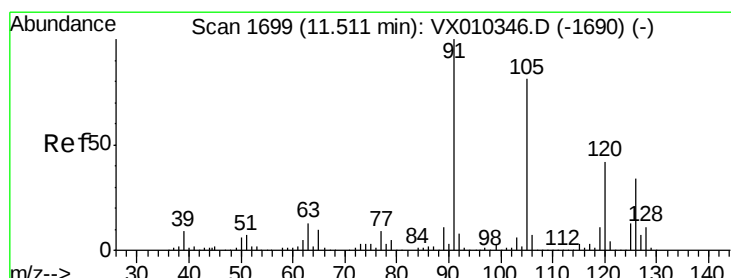
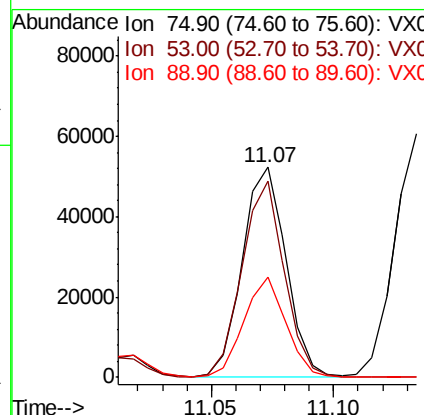
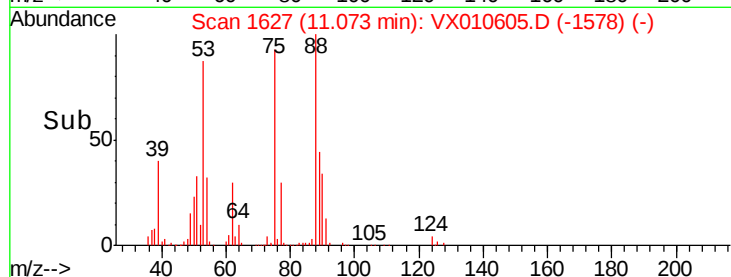
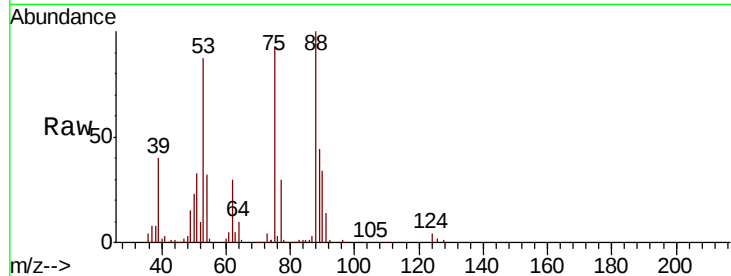
#81
trans-1,4-Dichloro-2-butene
Concen: 48.376 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX010605.D
Acq: 02 Jul 2019 10:12

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.2	66.1	99.1
89	46.3	37.8	56.6

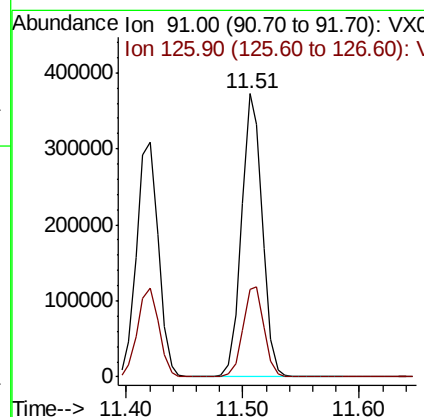
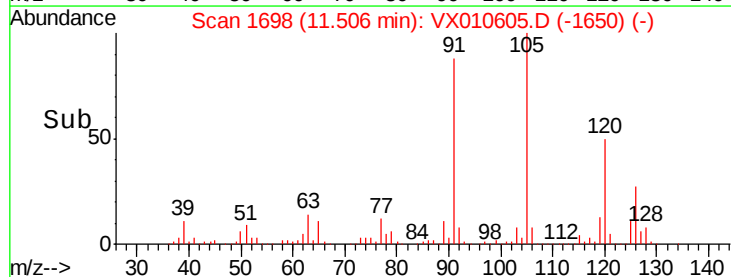
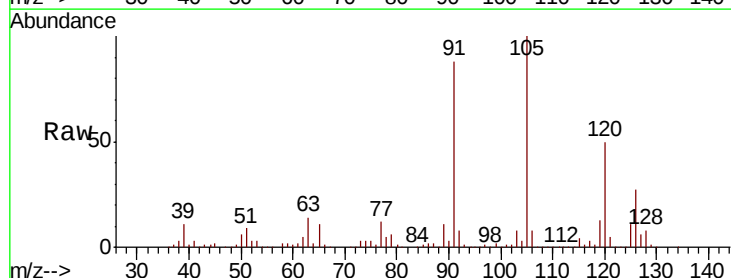
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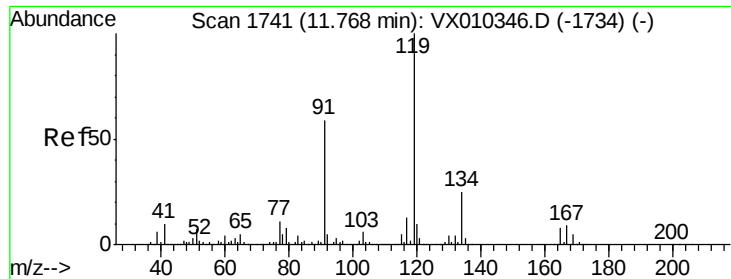
MMDadoda
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#82
4-Chlorotoluene
Concen: 53.642 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.01 min
Lab File: VX010605.D
Acq: 02 Jul 2019 10:12

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.2	48.6





#83

tert-Butylbenzene

Concen: 53.166 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX010605.D

Acq: 02 Jul 2019 10:12

Instrument :

MSVOA_X

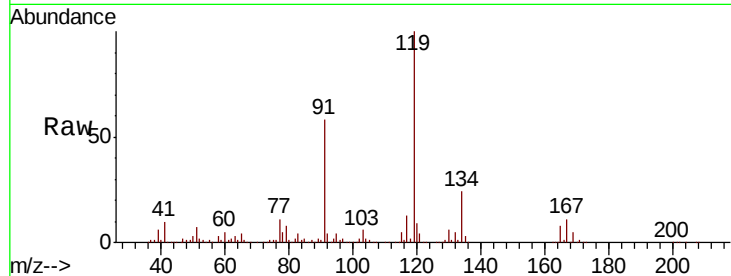
ClientSampled :

VSTDCCC050

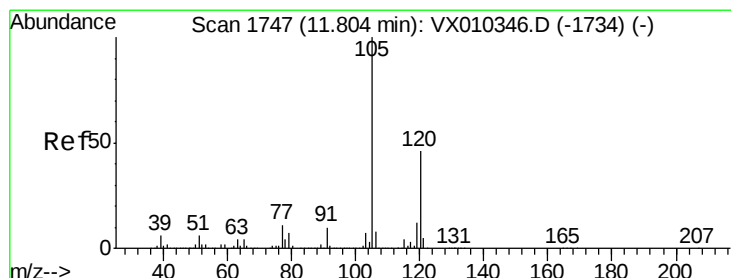
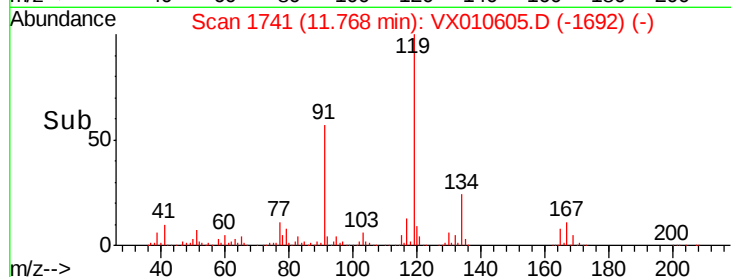
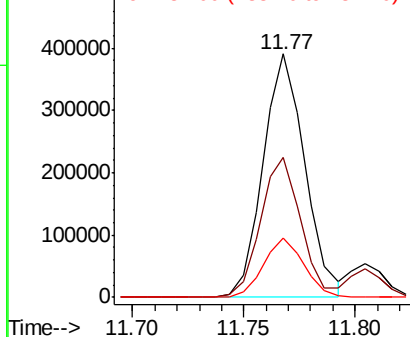
Tot Ion:	119	Resp:	509231
Ion Ratio	Lower	Upper	
119	100		
91	55.8	27.6	82.7
134	23.6	11.8	35.4

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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VX
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 53.335 ug/l

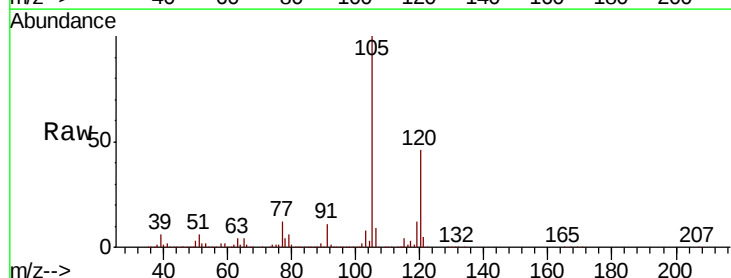
RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

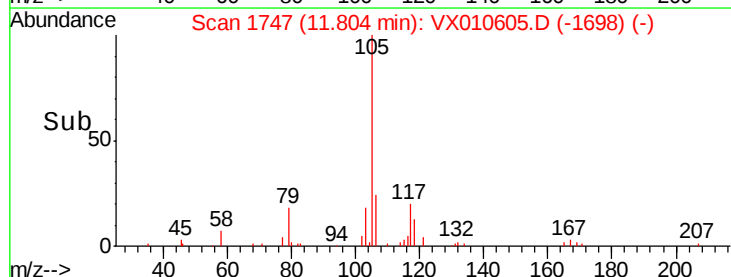
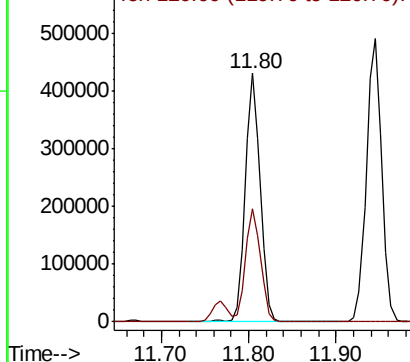
Lab File: VX010605.D

Acq: 02 Jul 2019 10:12

Tgt Ion:	105	Resp:	511359
Ion Ratio	Lower	Upper	
105	100		
120	46.0	23.1	69.2



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 53.772 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010605.D

Acq: 02 Jul 2019 10:12

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion:105 Resp: 604728

Ion Ratio Lower Upper

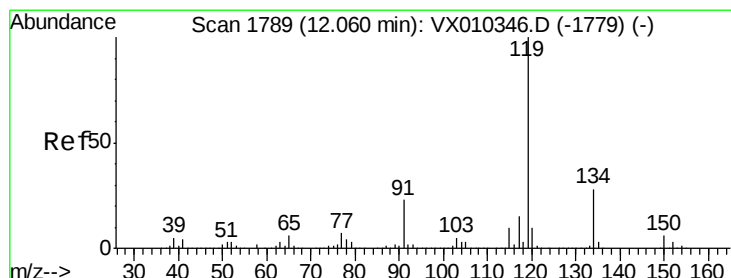
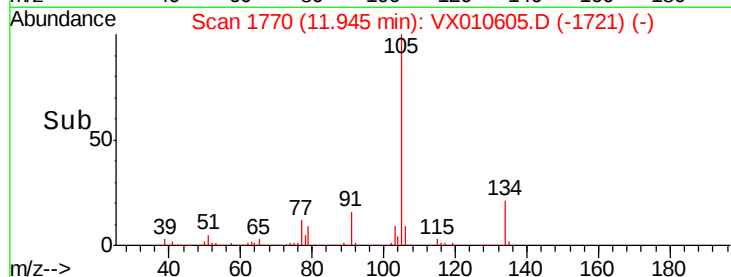
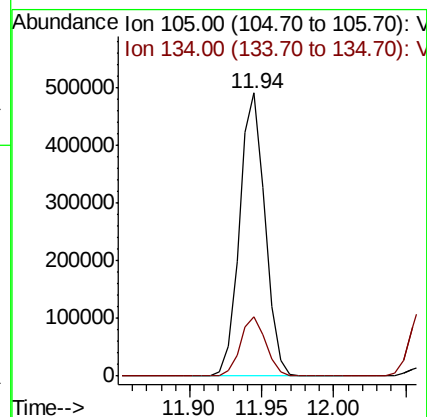
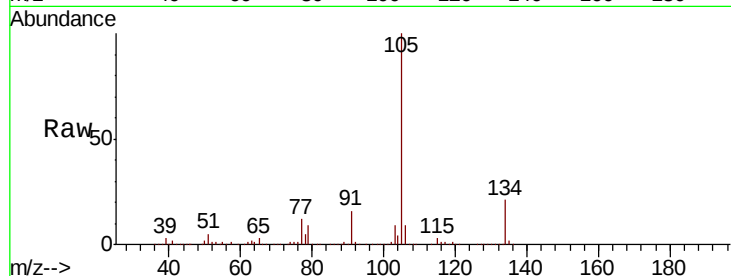
105 100

134 20.9 10.7 31.9

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#86

p-Isopropyltoluene

Concen: 54.167 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010605.D

Acq: 02 Jul 2019 10:12

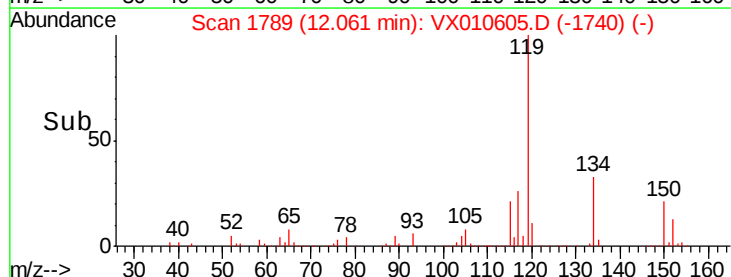
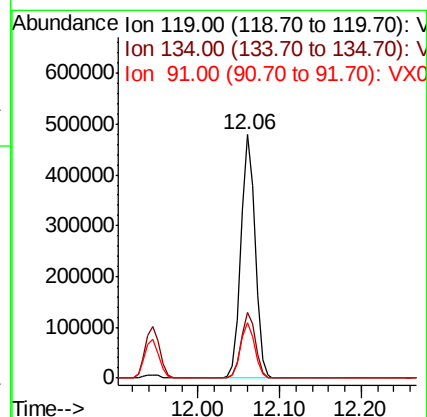
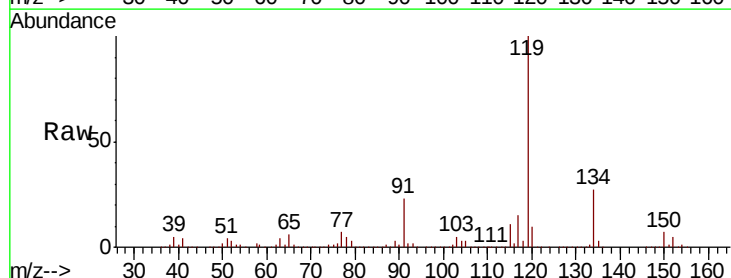
Tgt Ion:119 Resp: 563459

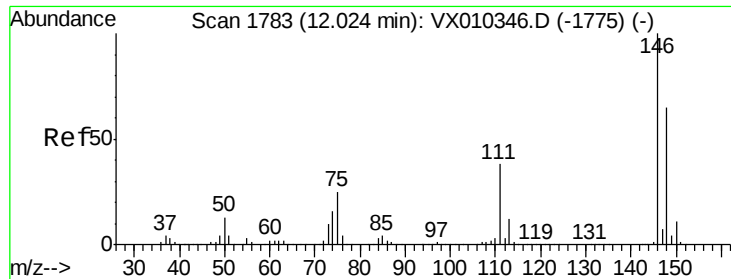
Ion Ratio Lower Upper

119 100

134 27.3 13.7 41.1

91 22.9 11.3 33.8





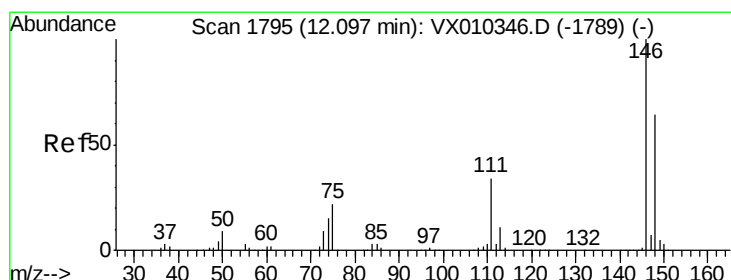
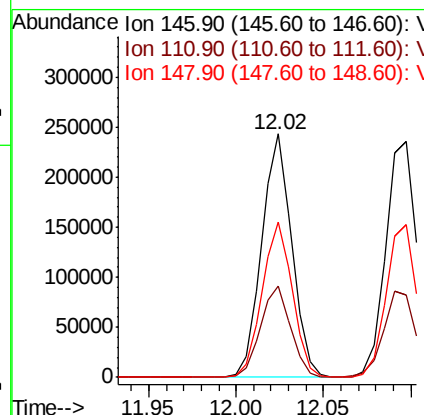
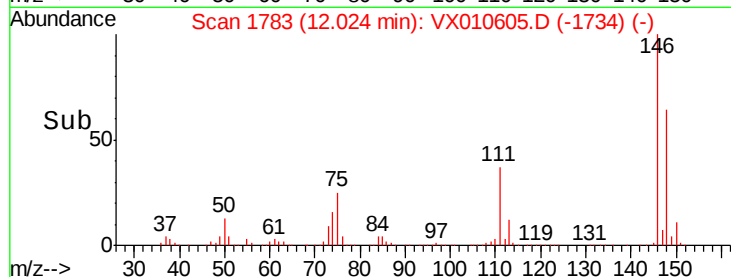
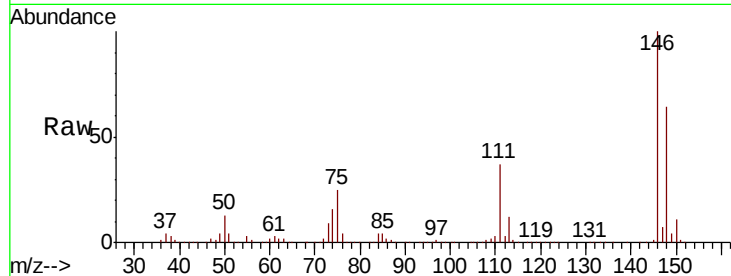
#87
 1,3-Dichlorobenzene
 Concen: 51.369 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX010605.D
 Acq: 02 Jul 2019 10:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	19.1	57.1
148	64.4	32.5	97.4

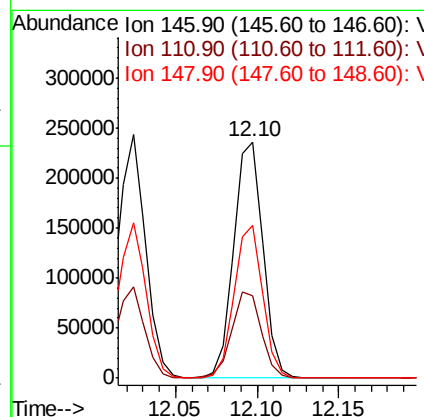
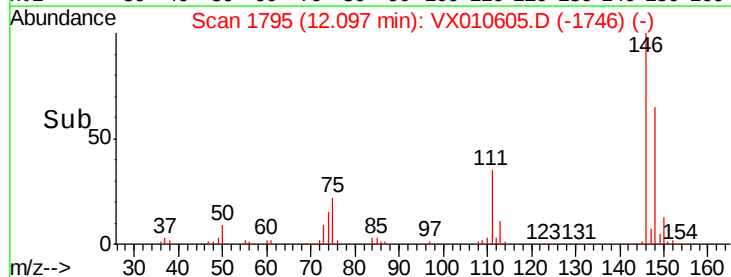
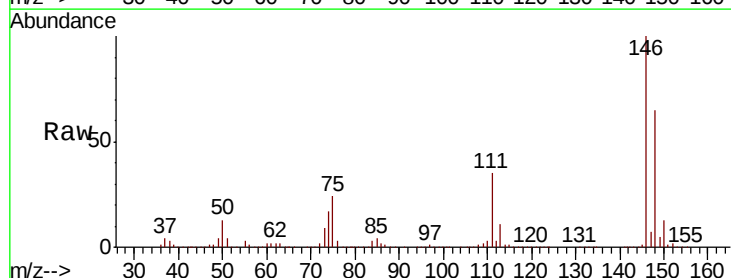
Manual Integrations
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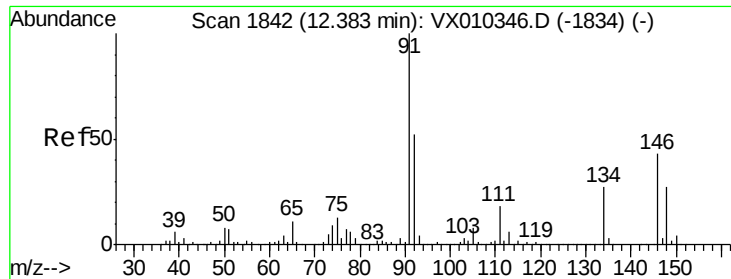
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#88
 1,4-Dichlorobenzene
 Concen: 51.038 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX010605.D
 Acq: 02 Jul 2019 10:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.1	54.3
148	63.2	32.1	96.3





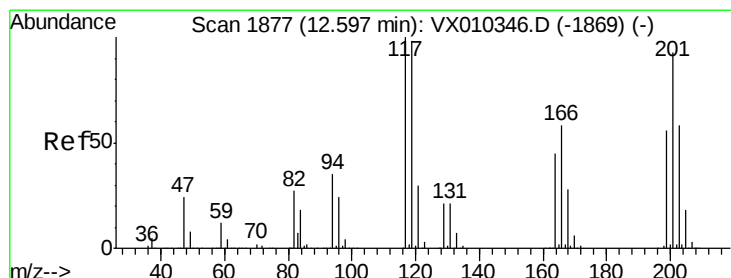
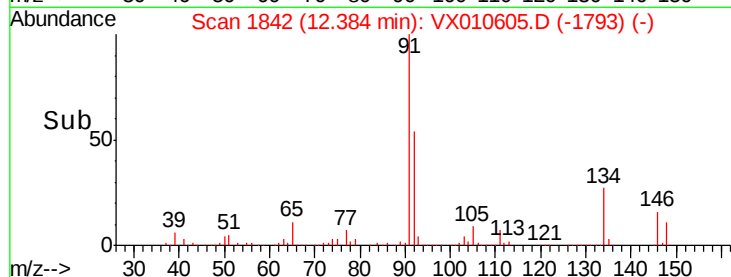
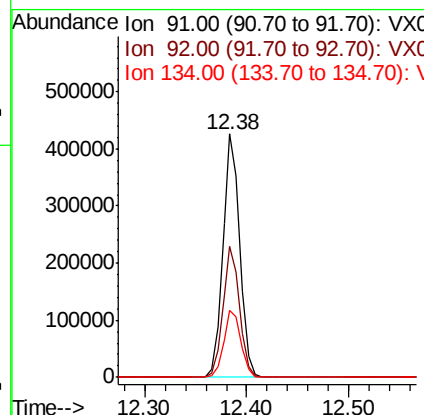
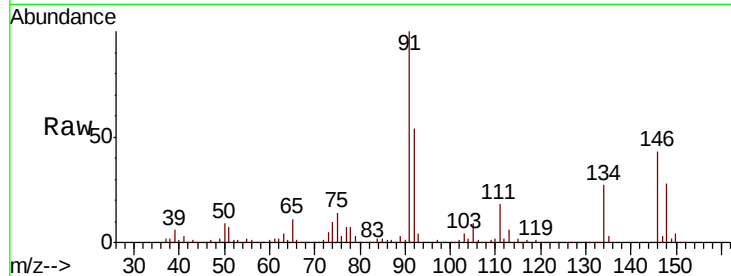
#89
n-Butylbenzene
Concen: 55.718 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010605.D
Acq: 02 Jul 2019 10:12

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.2	78.5
134	27.9	14.1	42.4

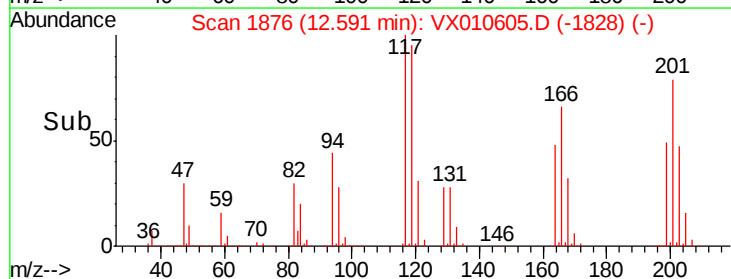
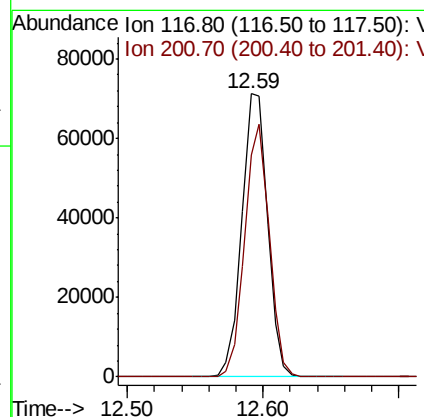
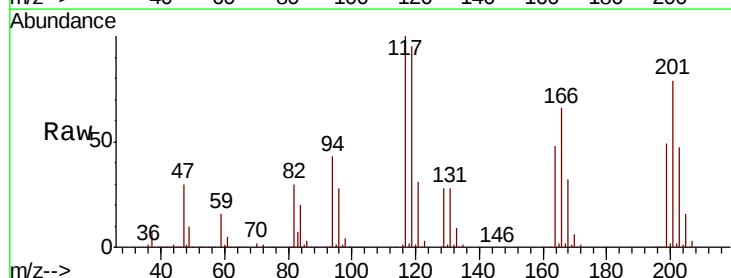
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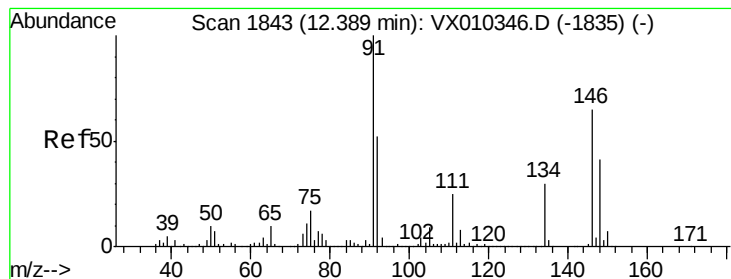
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#90
Hexachloroethane
Concen: 52.154 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX010605.D
Acq: 02 Jul 2019 10:12

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.4	44.0	131.8





#91

1,2-Dichlorobenzene

Concen: 50.630 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX010605.D

Acq: 02 Jul 2019 10:12

Instrument :

MSVOA_X

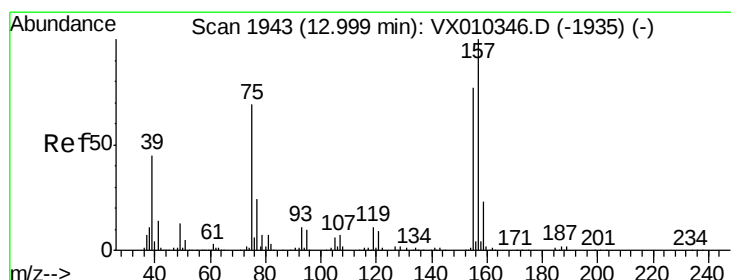
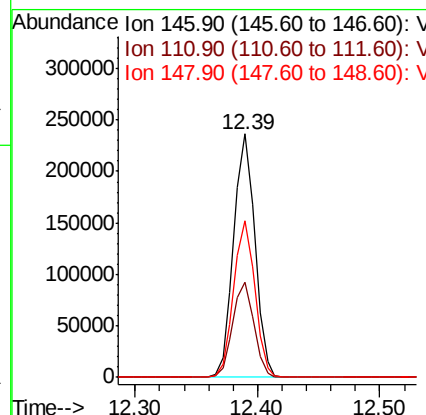
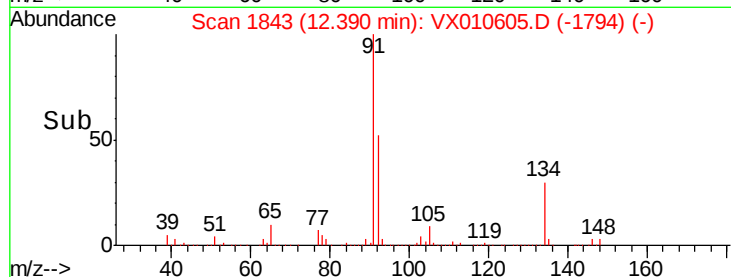
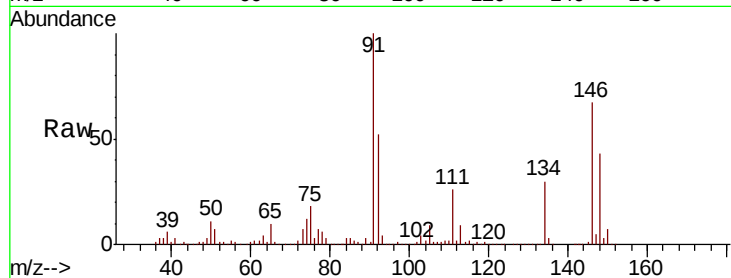
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	283920
Ion Ratio	Lower	Upper	
146	100		
111	39.1	19.2	57.6
148	63.9	32.0	96.0

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 48.148 ug/l

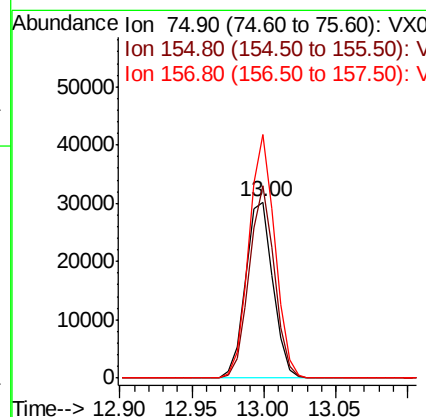
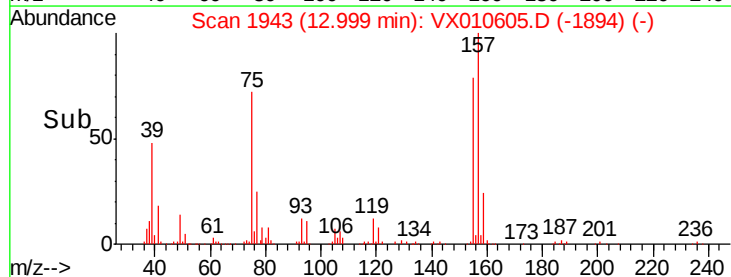
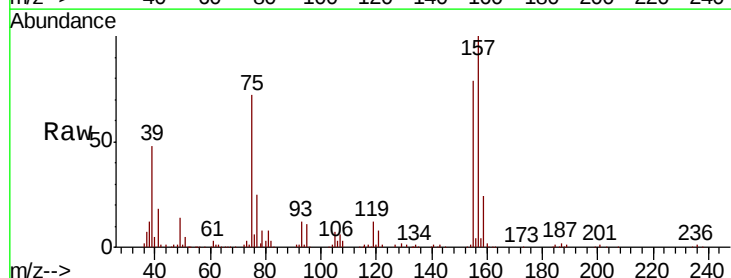
RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX010605.D

Acq: 02 Jul 2019 10:12

Tgt Ion:	75	Resp:	39797
Ion Ratio	Lower	Upper	
75	100		
155	100.1	54.4	163.1
157	130.2	69.5	208.3





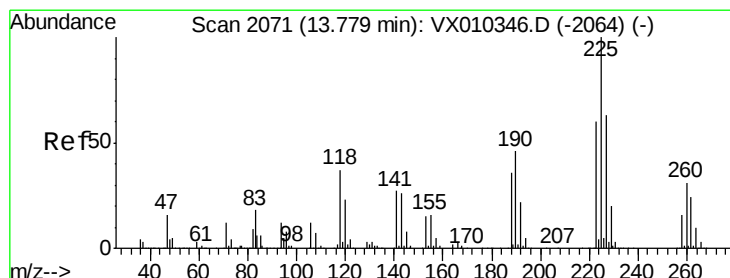
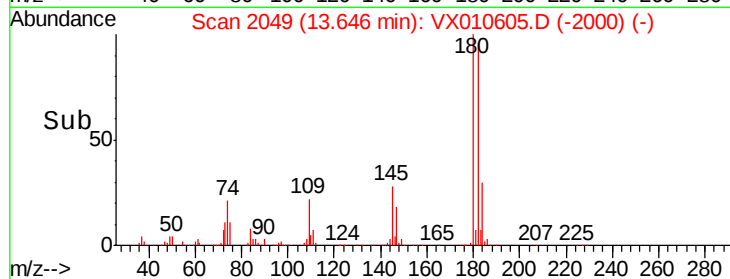
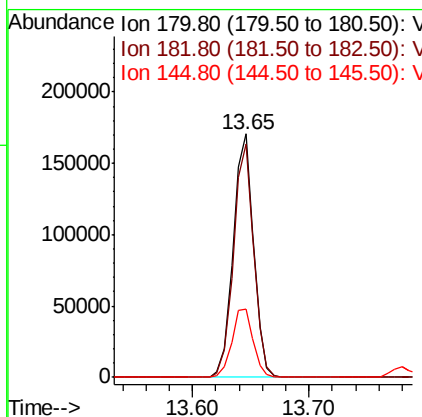
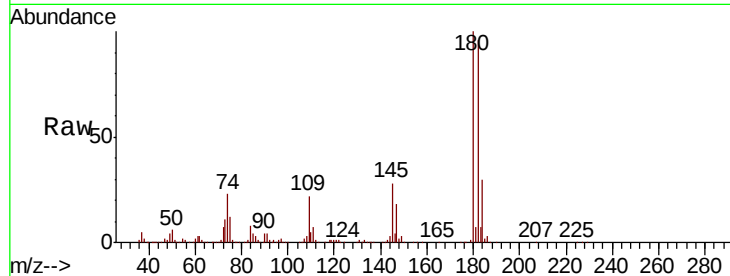
#93
 1,2,4-Trichlorobenzene
 Concen: 53.411 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX010605.D
 Acq: 02 Jul 2019 10:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	207707		
182	94.9	48.0	144.0	
145	29.4	14.4	43.4	

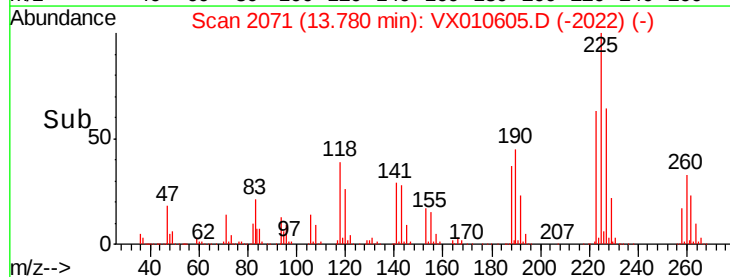
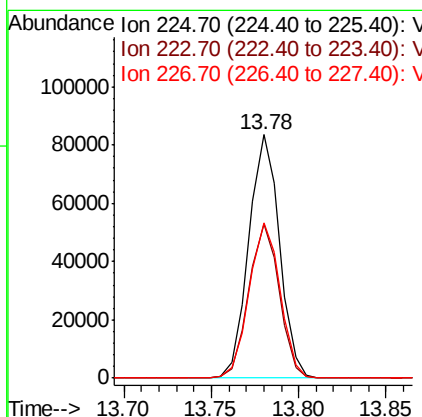
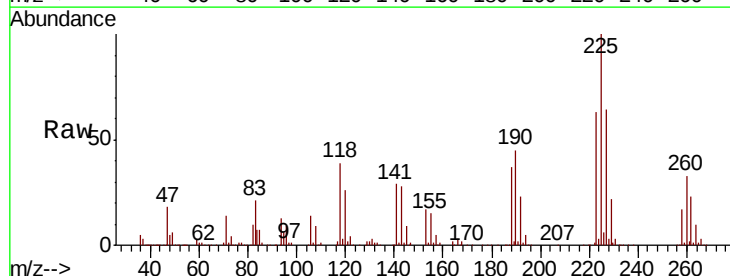
Manual Integrations
 APPROVED

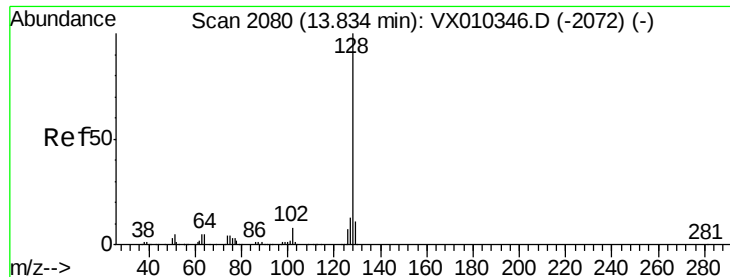
MMDadoda
 7/3/2019 9:29:33 AM



#94
 Hexachlorobutadiene
 Concen: 53.663 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX010605.D
 Acq: 02 Jul 2019 10:12

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	101992		
223	62.9	30.9	92.7	
227	64.3	31.9	95.5	





#95

Naphthalene

Concen: 51.021 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX010605.D

Acq: 02 Jul 2019 10:12

Instrument :

MSVOA_X

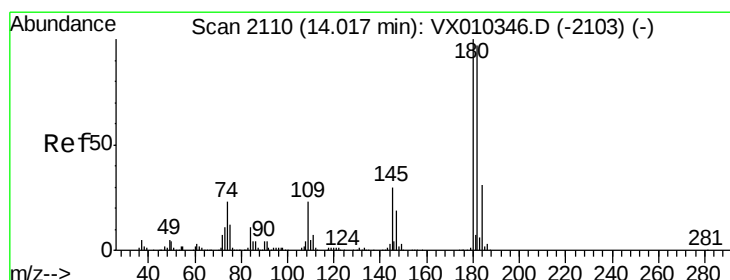
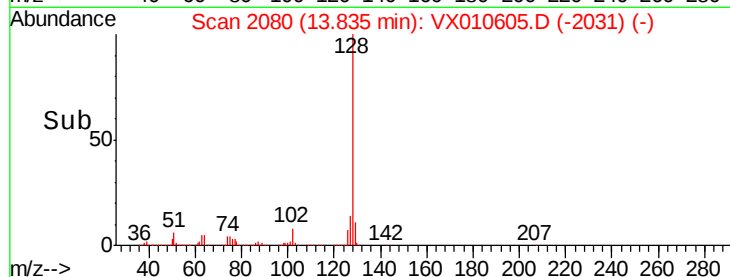
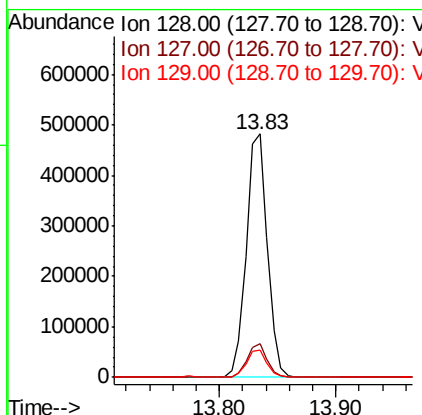
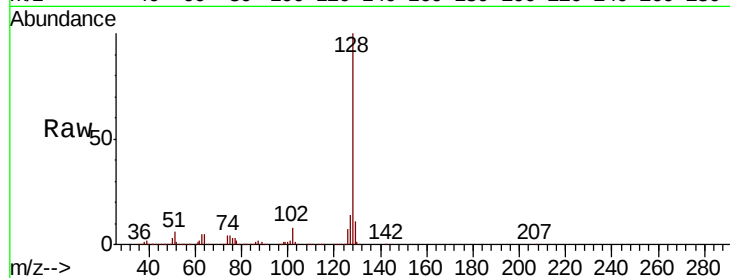
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	609730
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.2	15.4
129	11.0	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
7/3/2019 9:29:33 AM



#96

1,2,3-Trichlorobenzene

Concen: 52.608 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX010605.D

Acq: 02 Jul 2019 10:12

Tgt Ion:	180	Resp:	203409
Ion Ratio	Lower	Upper	
180	100		
182	94.7	47.8	143.3
145	31.3	15.2	45.6

