

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX120418\
 Data File : VX006268.D
 Acq On : 04 Dec 2018 10:14
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/5/2018 10:11:22 AM

Quant Time: Dec 04 13:07:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	709387	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1023858	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	914034	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	475299	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	341295	47.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.26%	
35) Dibromofluoromethane	5.50	113	330003	49.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.56%	
50) Toluene-d8	8.71	98	1181697	49.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.02%	
62) 4-Bromofluorobenzene	11.13	95	442643	48.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.44%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.20	85	405088	58.321	ug/l 100
3) Chloromethane	1.33	50	374724	52.498	ug/l 97
4) Vinyl Chloride	1.41	62	412011	53.632	ug/l 99
5) Bromomethane	1.64	94	303259	56.961	ug/l 100
6) Chloroethane	1.72	64	252576	53.623	ug/l 99
7) Trichlorofluoromethane	1.93	101	633127	53.690	ug/l 96
8) Diethyl Ether	2.19	74	236099	52.902	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	2.39	101	372988	55.626	ug/l 99
10) Methyl Iodide	2.51	142	559960	55.413	ug/l 98
11) Tert butyl alcohol	3.07	59	456077	230.290	ug/l 99
12) 1,1-Dichloroethene	2.37	96	336071	52.356	ug/l 98
13) Acrolein	2.29	56	260642	240.792	ug/l 100
14) Allyl chloride	2.73	41	635034	50.081	ug/l 98
15) Acrylonitrile	3.15	53	1015295	245.673	ug/l 100
16) Acetone	2.45	43	801031	235.703	ug/l 98
17) Carbon Disulfide	2.57	76	999608	50.537	ug/l 99
18) Methyl Acetate	2.78	43	570396	50.188	ug/l 98
19) Methyl tert-butyl Ether	3.20	73	1190788	52.002	ug/l 100
20) Methylene Chloride	2.85	84	371693	51.390	ug/l 97
21) trans-1,2-Dichloroethene	3.17	96	357294	52.232	ug/l 95
22) Diisopropyl ether	3.87	45	1068160	53.932	ug/l 97
23) Vinyl Acetate	3.82	43	4502295	266.525	ug/l 100
24) 1,1-Dichloroethane	3.70	63	637349	56.301	ug/l 98
25) 2-Butanone	4.70	43	1187665	244.922	ug/l 99
26) 2,2-Dichloropropane	4.59	77	583815	55.881	ug/l 99
27) cis-1,2-Dichloroethene	4.60	96	418547	54.854	ug/l 99
28) Bromochloromethane	5.01	49	247290	50.011	ug/l 100
29) Tetrahydrofuran	5.15	42	838064	248.672	ug/l 98
30) Chloroform	5.21	83	654212	54.993	ug/l 97
31) Cyclohexane	5.57	56	562213	53.739	ug/l 99
32) 1,1,1-Trichloroethane	5.49	97	614843	54.320	ug/l 100
36) 1,1-Dichloropropene	5.80	75	488044	56.605	ug/l 100
37) Ethyl Acetate	4.85	43	495183	51.285	ug/l 99
38) Carbon Tetrachloride	5.78	117	578522	57.037	ug/l 96

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	655325	58.555	ug/l	100
40) Benzene	6.14	78	1455379	56.359	ug/l	98
41) Methacrylonitrile	5.06	41	278499	52.419	ug/l	99
42) 1,2-Dichloroethane	6.20	62	481143	56.930	ug/l	100
43) Isopropyl Acetate	6.46	43	849676	52.780	ug/l	99
44) Trichloroethene	7.21	130	444886	56.869	ug/l	95
45) 1,2-Dichloropropane	7.51	63	365190	55.643	ug/l	97
46) Dibromomethane	7.66	93	268570	56.661	ug/l	98
47) Bromodichloromethane	7.90	83	524579	57.149	ug/l	99
48) Methyl methacrylate	7.77	41	415757	53.087	ug/l	98
49) 1,4-Dioxane	7.75	88	197662	1024.031	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	2438426	260.193	ug/l	99
52) Toluene	8.78	92	945856	55.674	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	594093	55.341	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	623525	55.936	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	387890	56.200	ug/l	98
56) Ethyl methacrylate	9.18	69	584777	54.196	ug/l	98
57) 1,3-Dichloropropane	9.37	76	612169	56.090	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	1484360	271.097	ug/l	99
59) 2-Hexanone	9.49	43	1824541	254.827	ug/l	100
60) Dibromochloromethane	9.58	129	470594	55.294	ug/l	99
61) 1,2-Dibromoethane	9.67	107	428762	55.558	ug/l	98
64) Tetrachloroethene	9.34	164	393772	57.205	ug/l	98
65) Chlorobenzene	10.14	112	1106224	57.013	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	428561	56.848	ug/l	100
67) Ethyl Benzene	10.25	91	1841715	57.071	ug/l	100
68) m/p-Xylenes	10.36	106	1457591	112.757	ug/l	100
69) o-Xylene	10.70	106	707043	55.374	ug/l	99
70) Styrene	10.71	104	1159685	56.155	ug/l	99
71) Bromoform	10.86	173	383682	53.915	ug/l	100
73) Isopropylbenzene	11.02	105	1892052	57.643	ug/l	99
74) N-amyl acetate	10.90	43	731579	51.758	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	561398	53.462	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	540034m	58.865	ug/l	
77) Bromobenzene	11.26	156	506672	55.623	ug/l	98
78) n-propylbenzene	11.36	91	2119671	58.095	ug/l	100
79) 2-Chlorotoluene	11.42	91	1241641	57.255	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	1555513	56.957	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	208871	53.429	ug/l #	77
82) 4-Chlorotoluene	11.51	91	1434228	56.883	ug/l	99
83) tert-Butylbenzene	11.77	119	1667484	57.226	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	1601825	56.802	ug/l	100
85) sec-Butylbenzene	11.94	105	1932160	58.286	ug/l	100
86) p-Isopropyltoluene	12.07	119	1738250	58.233	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	919807	56.749	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	917881	55.794	ug/l	99
89) n-Butylbenzene	12.39	91	1501937	58.970	ug/l	100
90) Hexachloroethane	12.60	117	343720	56.498	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	890714	55.371	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	133813	49.711	ug/l	98

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VSTDCCC050

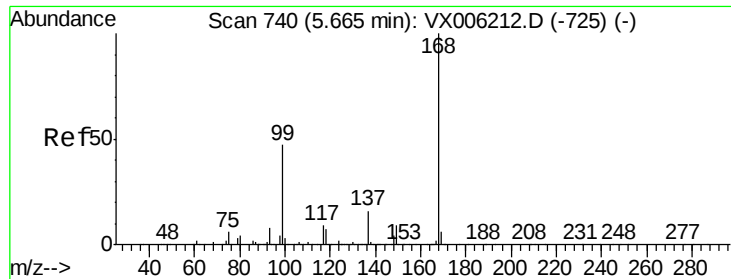
Manual Integrations
APPROVED

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	660696	56.297	ug/l	99
94) Hexachlorobutadiene	13.79	225	314344	60.566	ug/l	99
95) Naphthalene	13.83	128	1995208	54.654	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	653049	56.181	ug/l	99

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



#1

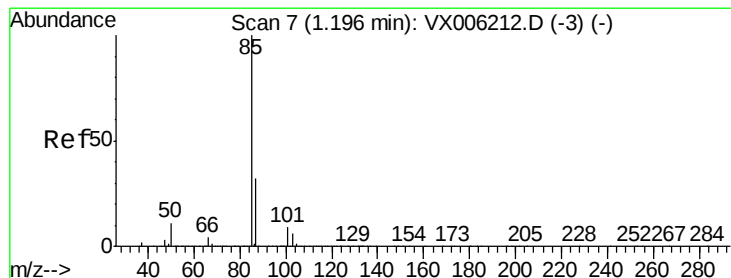
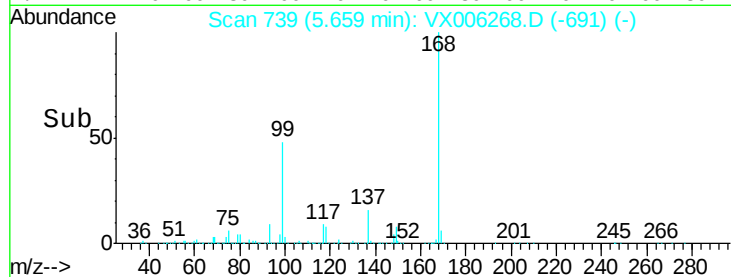
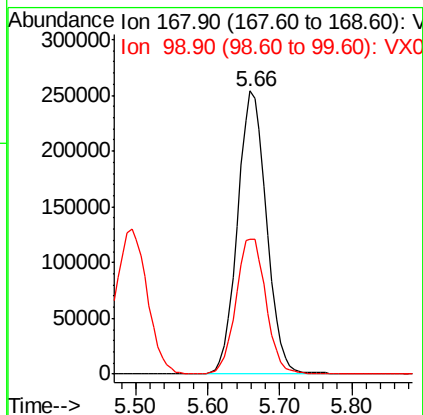
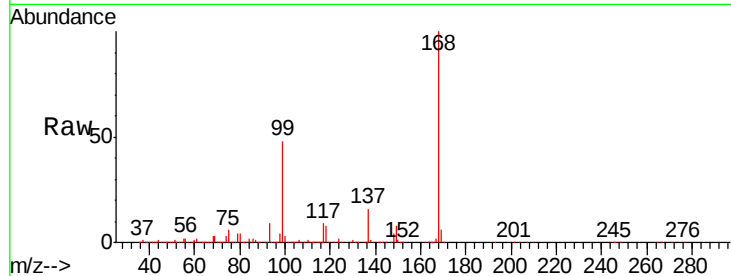
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.01 min
 Lab File: VX006268.D
 Acq: 04 Dec 2018 10:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
168	100		
99	47.4	37.8	56.8

Manual Integrations
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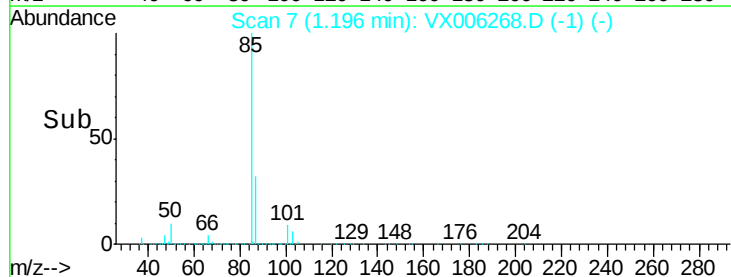
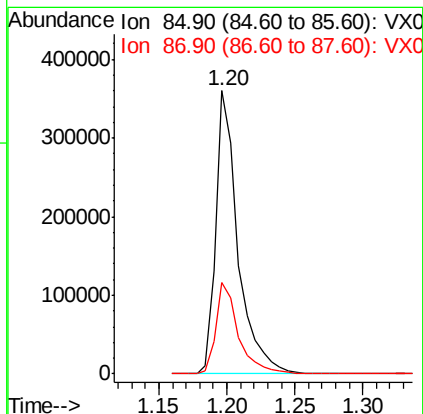
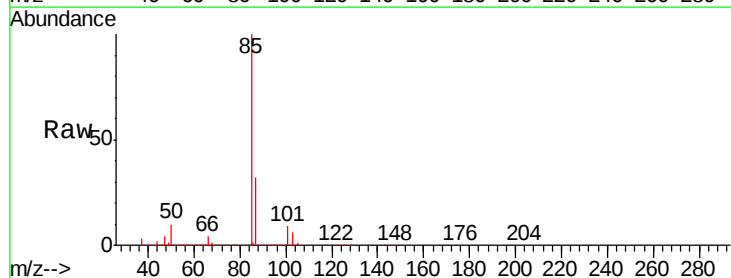
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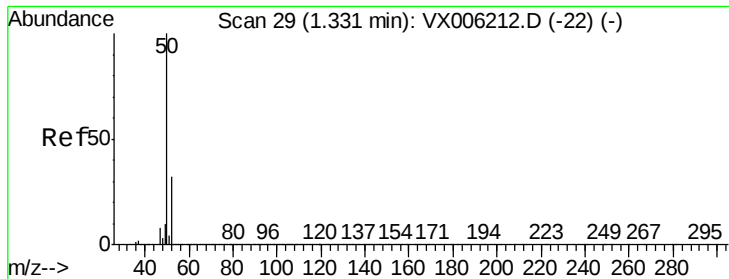


#2

Dichlorodifluoromethane
 Concen: 58.321 ug/l
 RT: 1.20 min Scan# 7
 Delta R.T. -0.00 min
 Lab File: VX006268.D
 Acq: 04 Dec 2018 10:14

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.3	16.1	48.2





#3

Chloromethane

Concen: 52.498 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX006268.D

Acq: 04 Dec 2018 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 374724

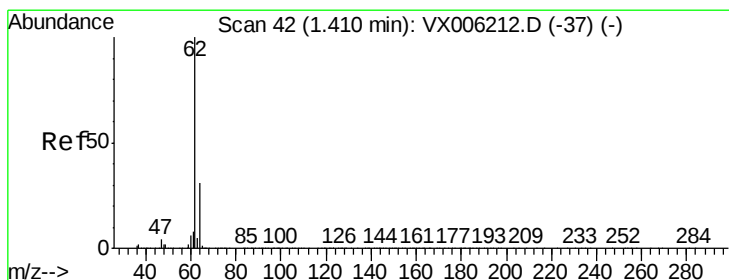
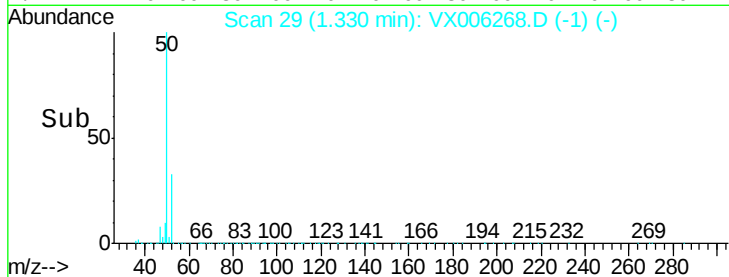
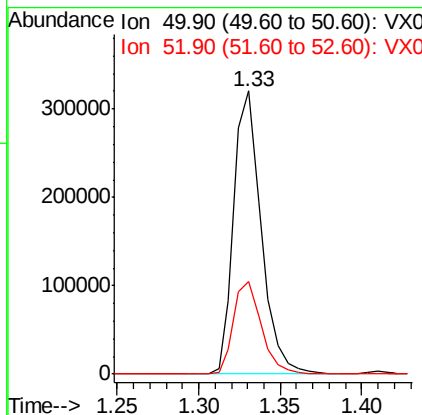
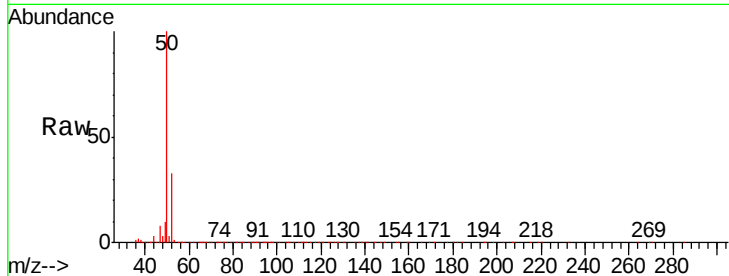
Ion Ratio Lower Upper

50 100

52 32.9 25.2 37.8

Manual Integrations
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#4

Vinyl Chloride

Concen: 53.632 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX006268.D

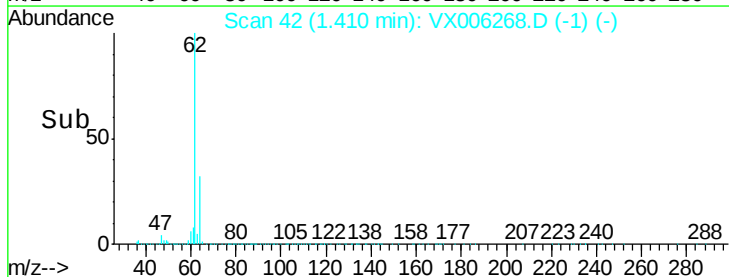
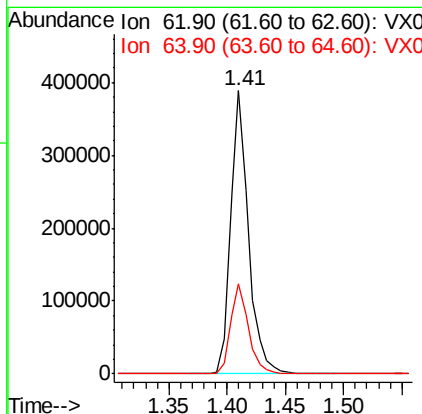
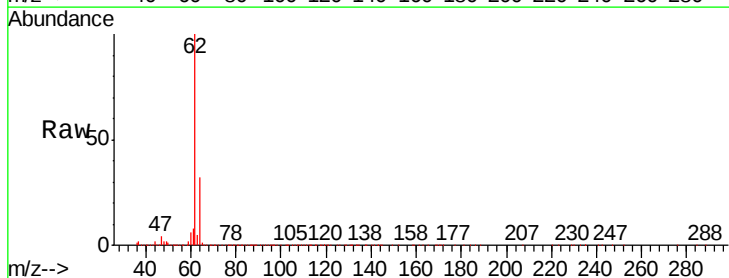
Acq: 04 Dec 2018 10:14

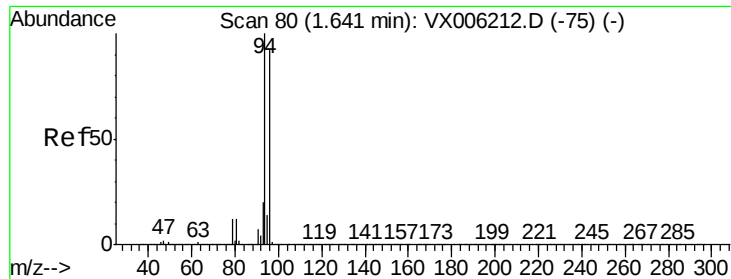
Tgt Ion: 62 Resp: 412011

Ion Ratio Lower Upper

62 100

64 31.6 24.9 37.3





#5

Bromomethane

Concen: 56.961 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX006268.D

Acq: 04 Dec 2018 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 94 Resp: 303259

Ion Ratio Lower Upper

94 100

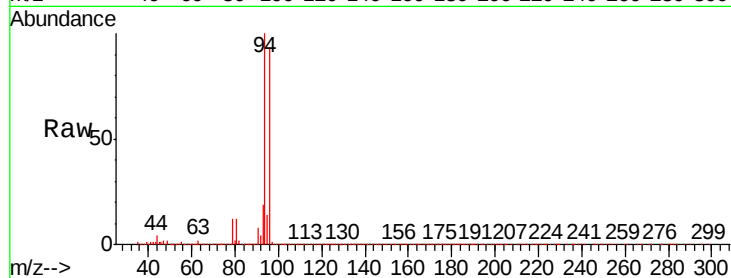
96 93.0 74.5 111.7

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

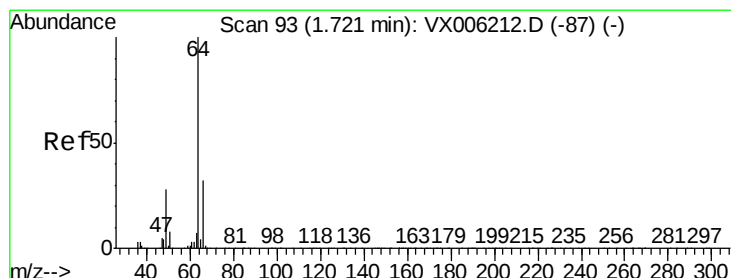
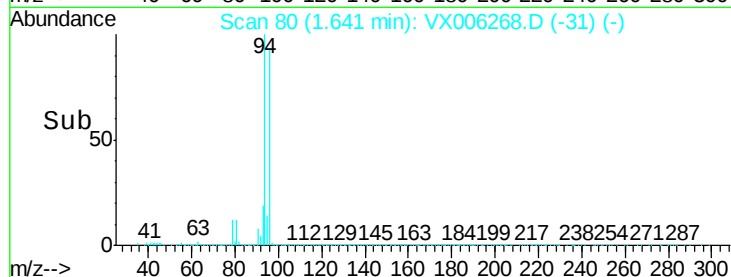
300000

200000

100000

0

Time-->



#6

Chloroethane

Concen: 53.623 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.00 min

Lab File: VX006268.D

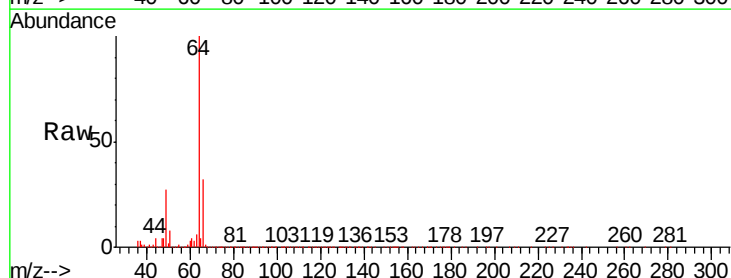
Acq: 04 Dec 2018 10:14

Tgt Ion: 64 Resp: 252576

Ion Ratio Lower Upper

64 100

66 31.7 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

200000

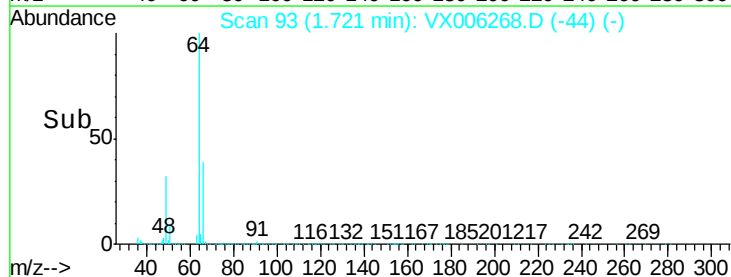
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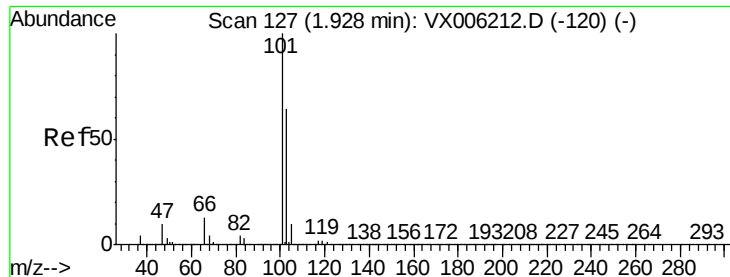
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Time-->





#7

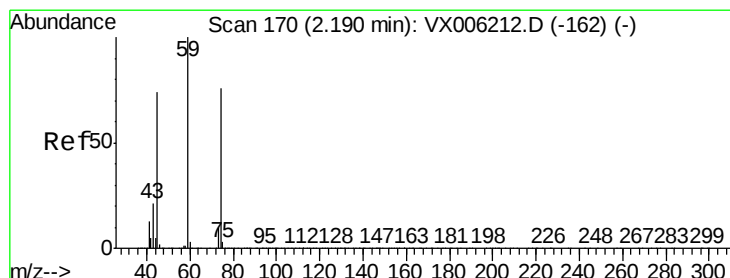
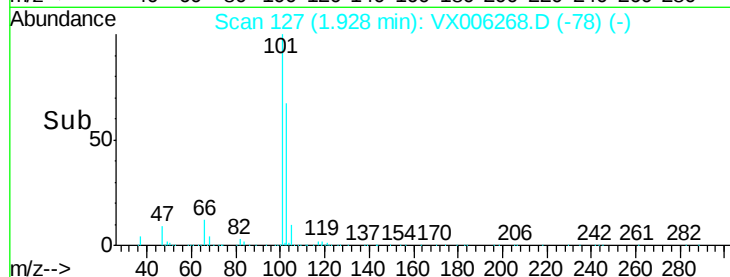
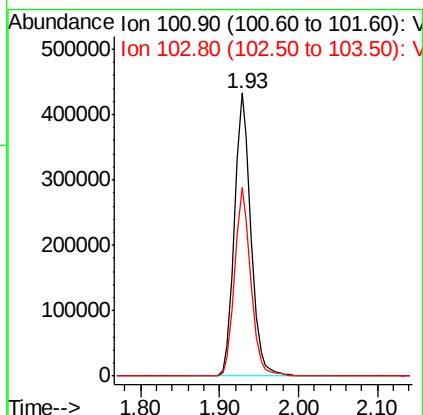
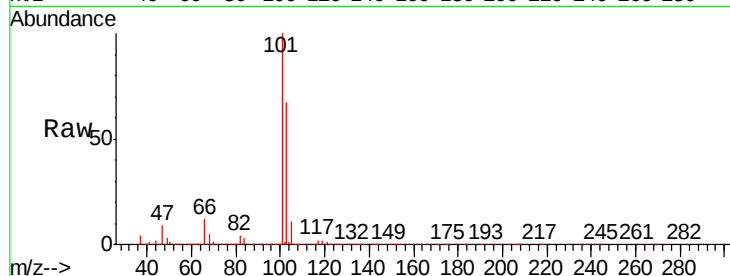
Trichlorofluoromethane
Concen: 53.690 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX006268.D
Acq: 04 Dec 2018 10:14

Instrument :
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ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
101	100		
103	66.7	51.0	76.4

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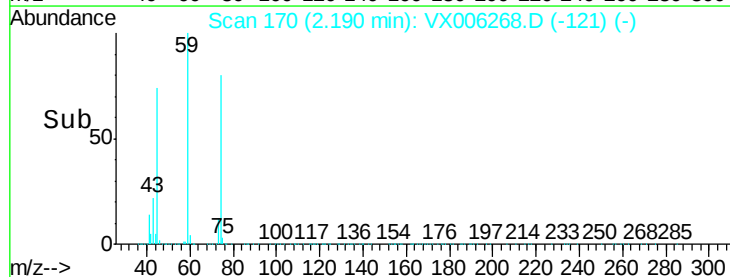
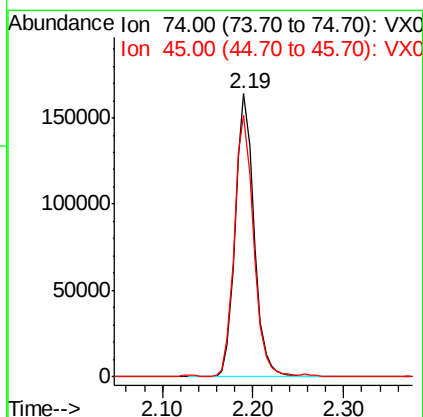
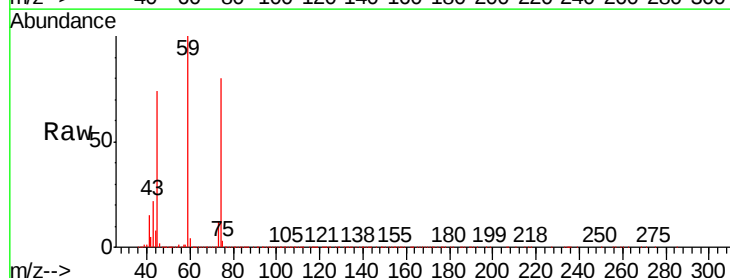
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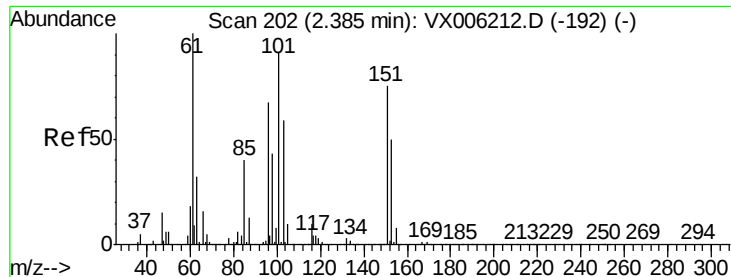


#8

Diethyl Ether
Concen: 52.902 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX006268.D
Acq: 04 Dec 2018 10:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.3	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 55.626 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX006268.D

Acq: 04 Dec 2018 10:14

Instrument :

MSVOA_X

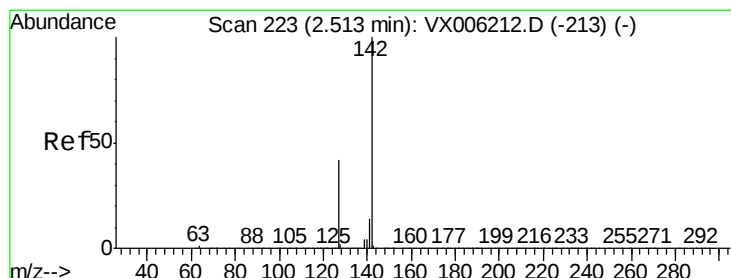
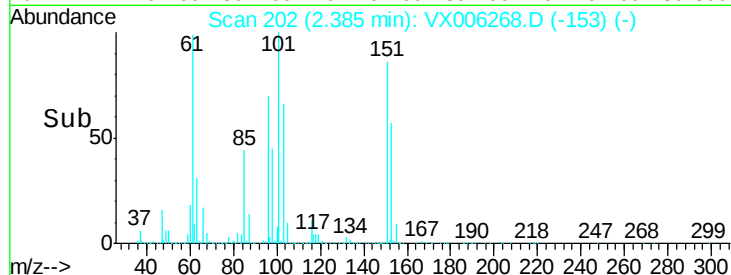
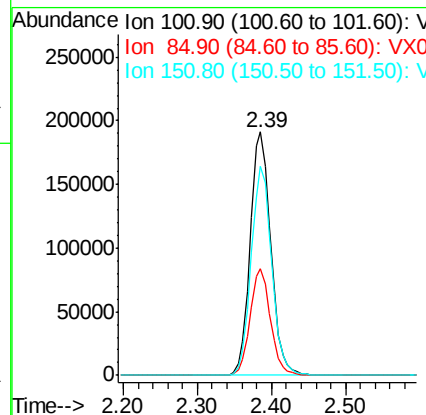
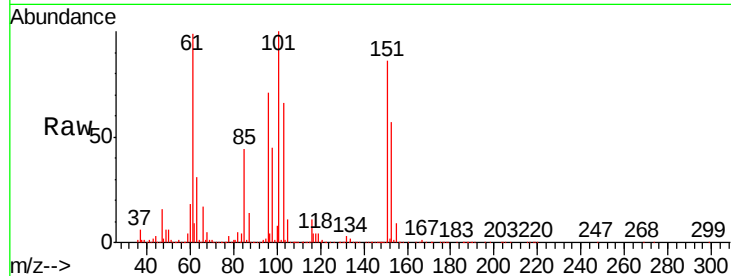
ClientSampleId :

VSTDCCC050

Tgt Ion:	101	Resp:	372988
Ion Ratio	Lower	Upper	
101	100		
85	42.9	35.5	53.3
151	85.5	68.6	103.0

Manual Integrations
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#10

Methyl Iodide

Concen: 55.413 ug/l

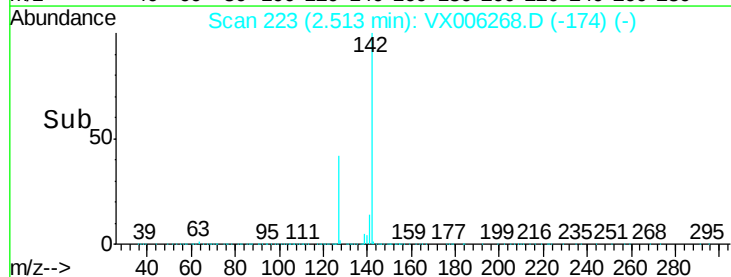
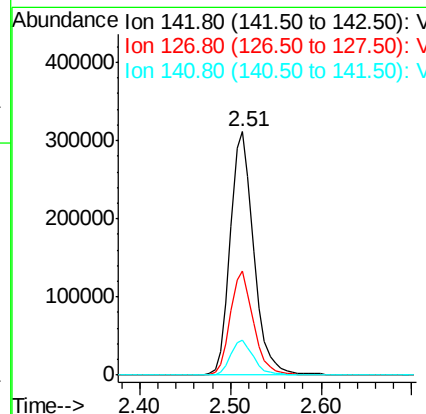
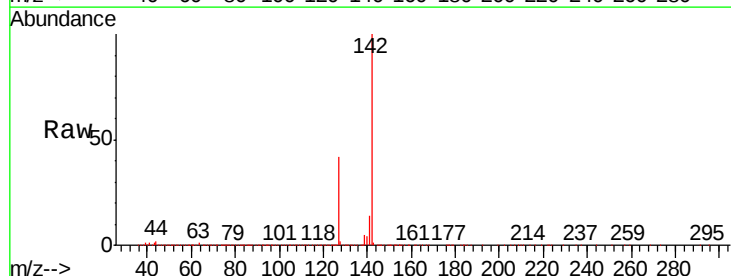
RT: 2.51 min Scan# 223

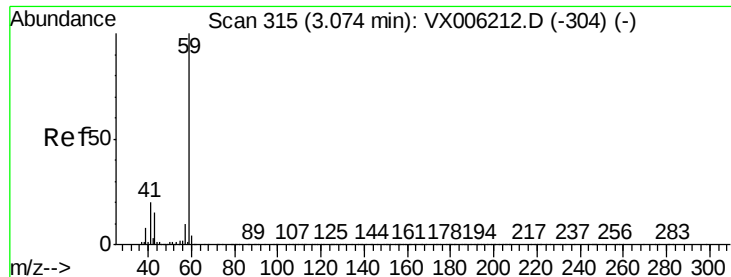
Delta R.T. -0.00 min

Lab File: VX006268.D

Acq: 04 Dec 2018 10:14

Tgt Ion:	142	Resp:	559960
Ion Ratio	Lower	Upper	
142	100		
127	42.4	34.8	52.2
141	13.9	11.4	17.2





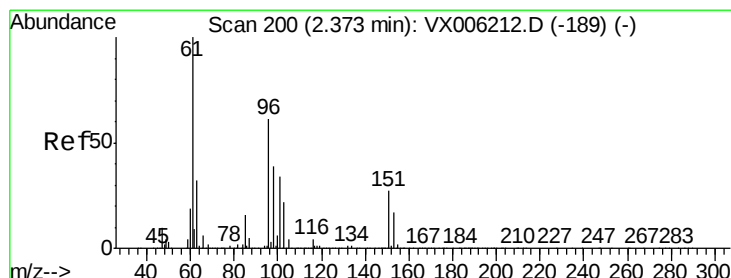
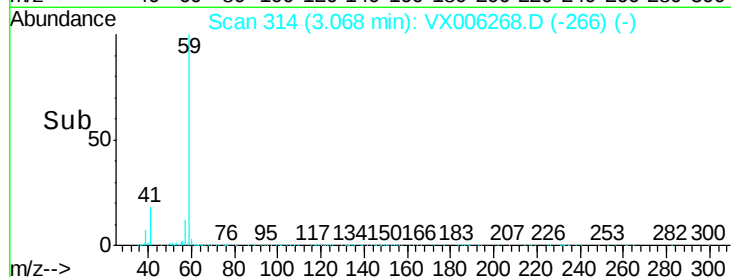
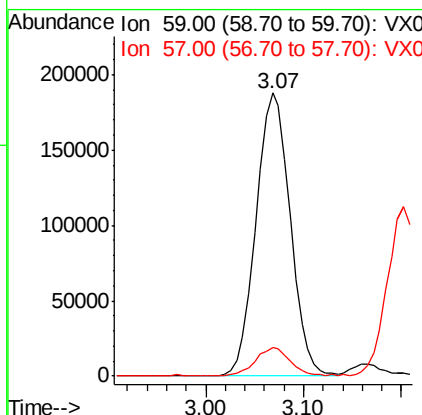
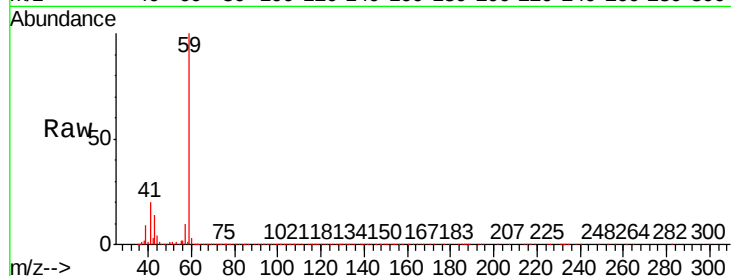
#11
Tert butyl alcohol
Concen: 230.290 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX006268.D
Acq: 04 Dec 2018 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 456077
Ion Ratio Lower Upper
59 100
57 9.9 8.2 12.2

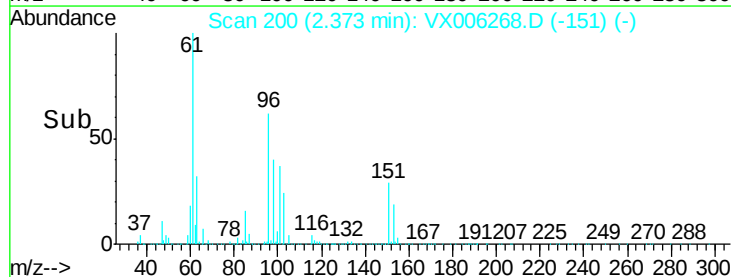
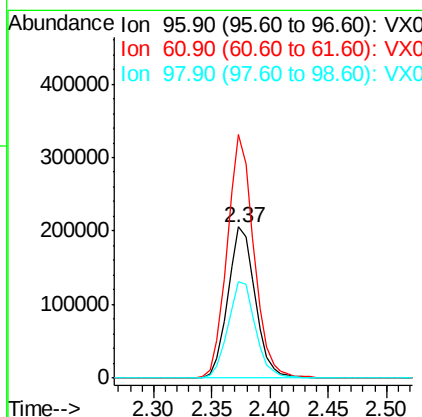
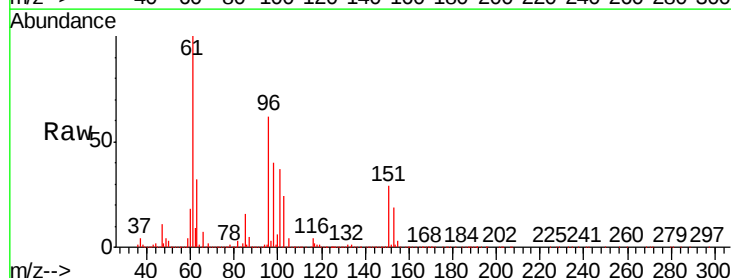
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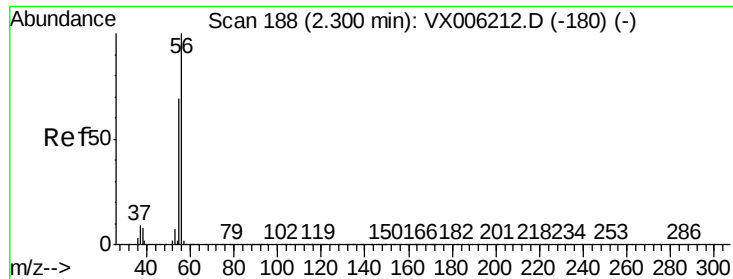
MMDadoda
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#12
1,1-Dichloroethene
Concen: 52.356 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX006268.D
Acq: 04 Dec 2018 10:14

Tgt Ion: 96 Resp: 336071
Ion Ratio Lower Upper
96 100
61 161.1 131.7 197.5
98 63.9 51.8 77.6





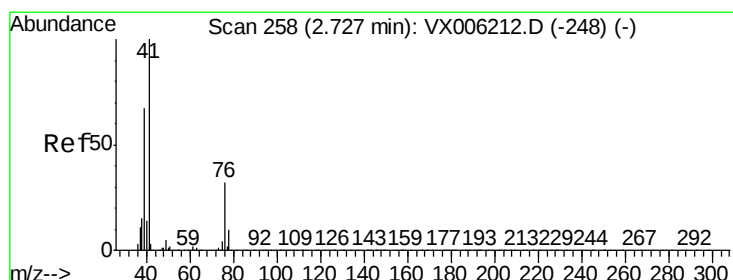
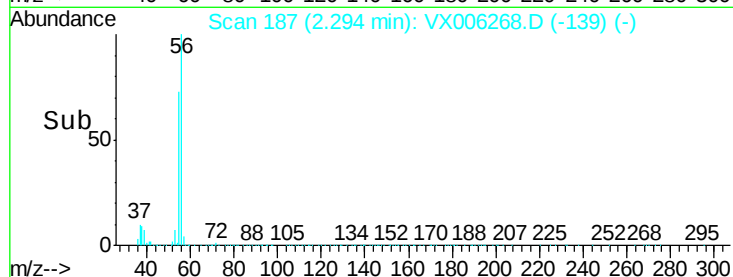
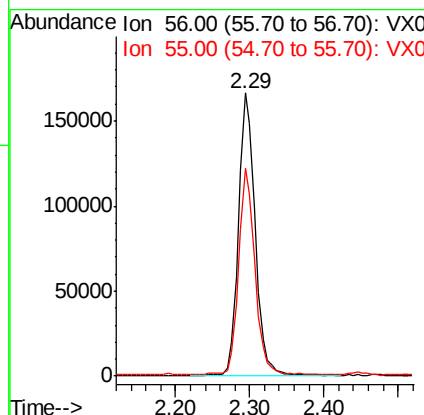
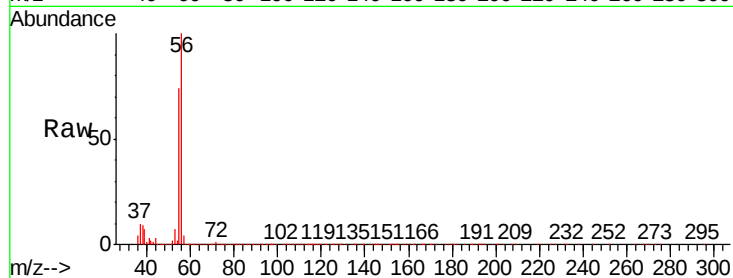
#13
Acrolein
Concen: 240.792 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.01 min
Lab File: VX006268.D
Acq: 04 Dec 2018 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
56	100		
55	72.2	57.8	86.6

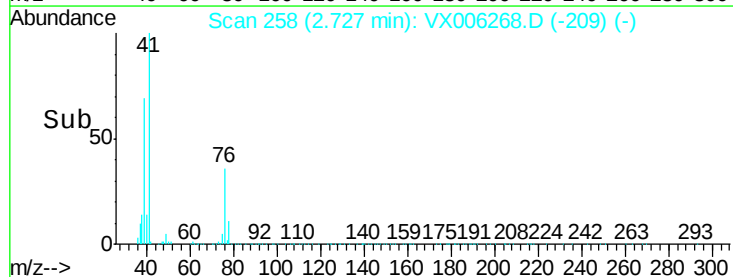
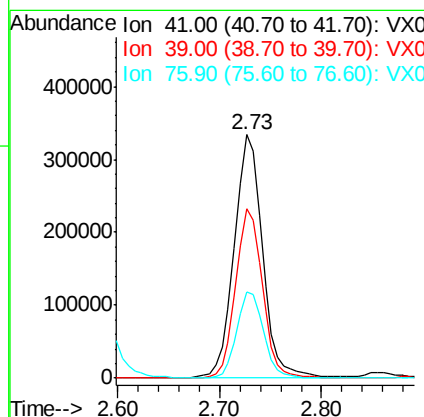
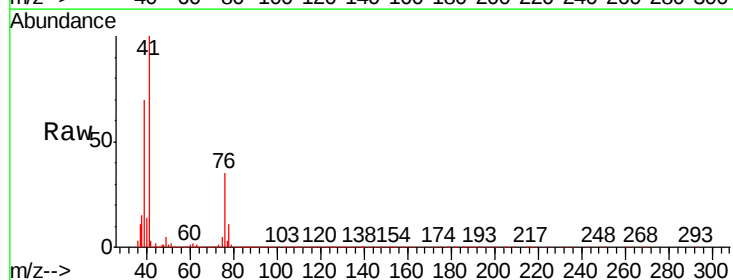
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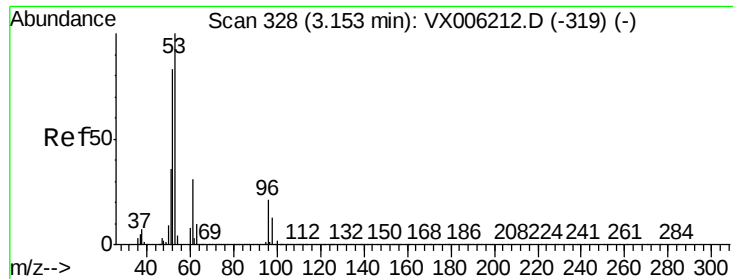
MMDadoda
12/5/2018 10:11:22 AM



#14
Allyl chloride
Concen: 50.081 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX006268.D
Acq: 04 Dec 2018 10:14

Tgt Ion	Ratio	Lower	Upper
41	100		
39	65.9	52.4	78.6
76	33.7	25.4	38.0





#15

Acrylonitrile

Concen: 245.673 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX006268.D

Acq: 04 Dec 2018 10:14

Instrument :

MSVOA_X

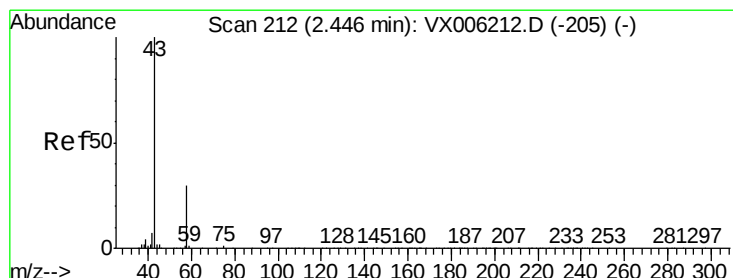
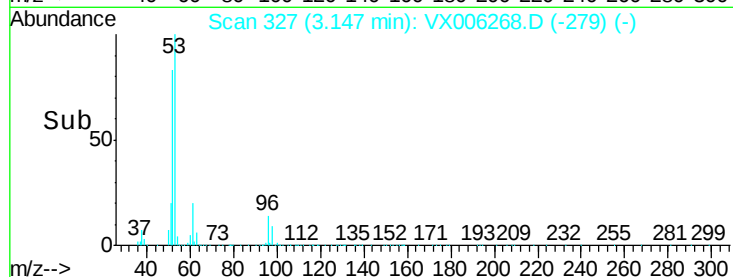
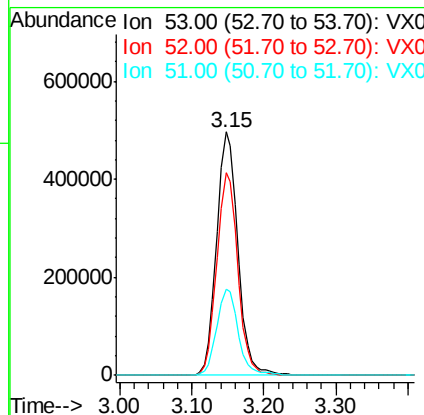
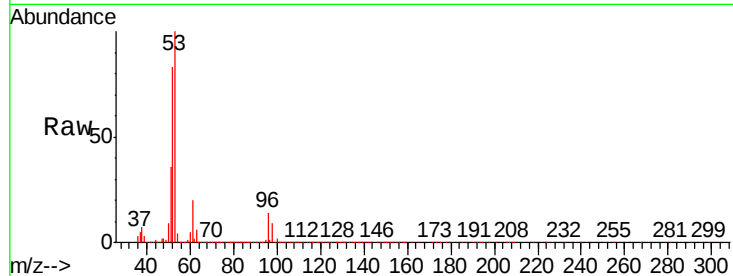
ClientSampleId :

VSTDCCC050

Tgt Ion:	53	Resp:	1015295
Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.2	99.4
51	36.0	28.7	43.1

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#16

Acetone

Concen: 235.703 ug/l

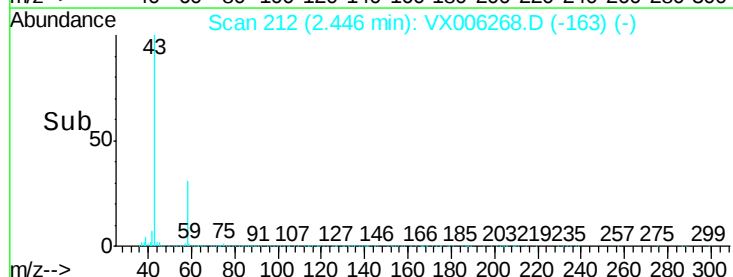
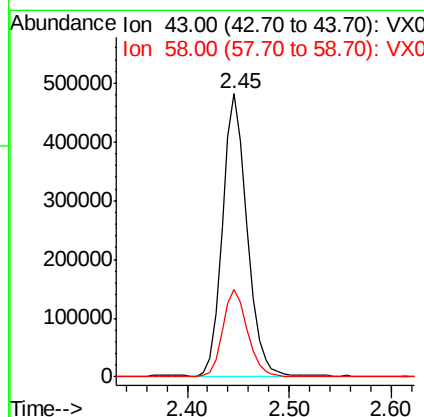
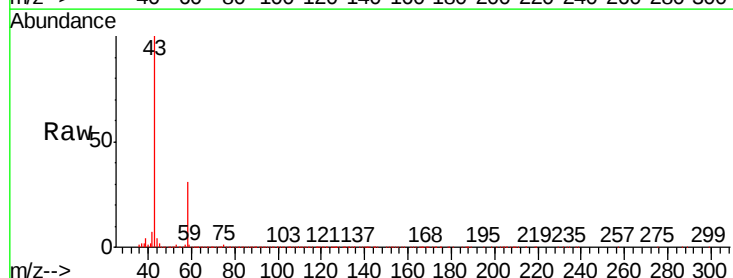
RT: 2.45 min Scan# 212

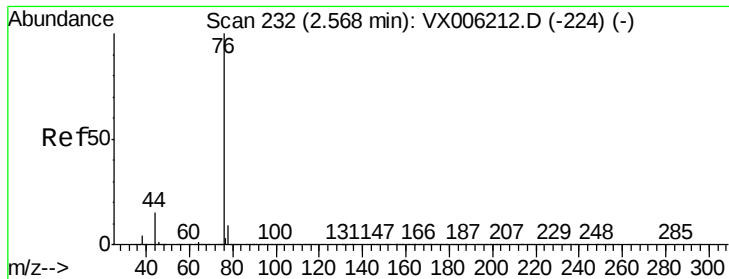
Delta R.T. -0.00 min

Lab File: VX006268.D

Acq: 04 Dec 2018 10:14

Tgt Ion:	43	Resp:	801031
Ion	Ratio	Lower	Upper
43	100		
58	31.1	24.0	36.0





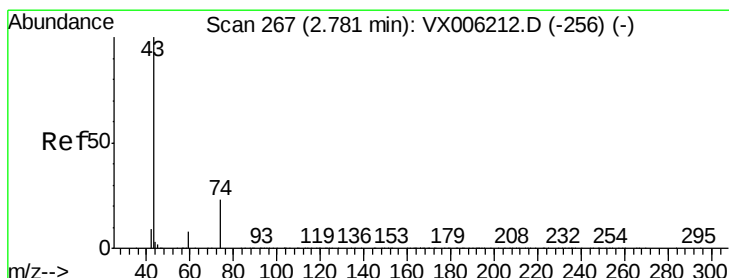
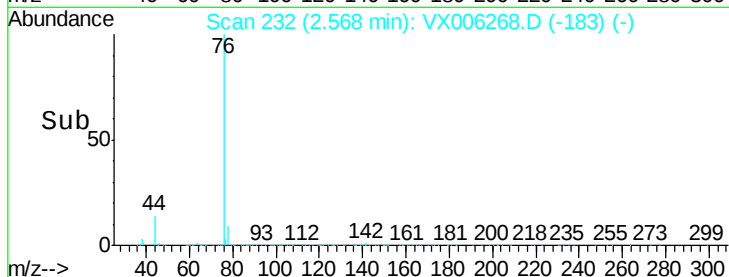
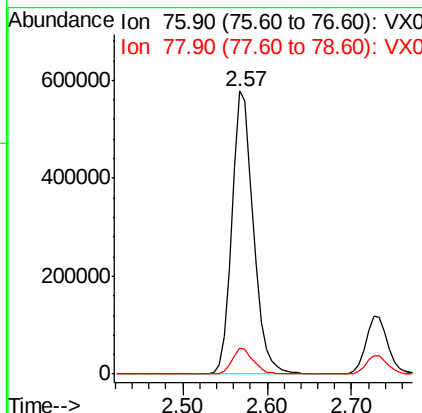
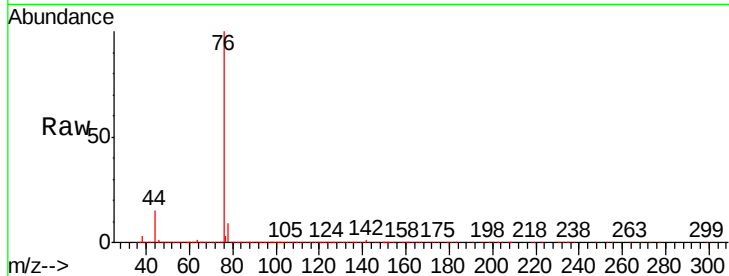
#17
Carbon Disulfide
Concen: 50.537 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX006268.D
Acq: 04 Dec 2018 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.1	10.7

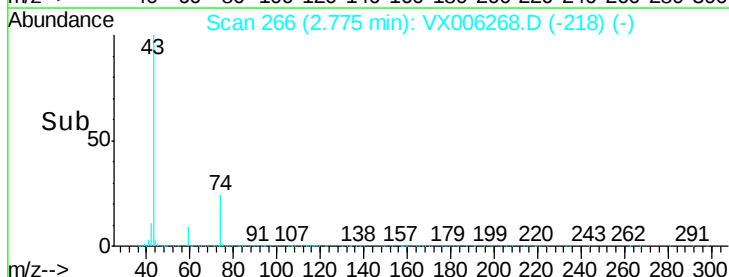
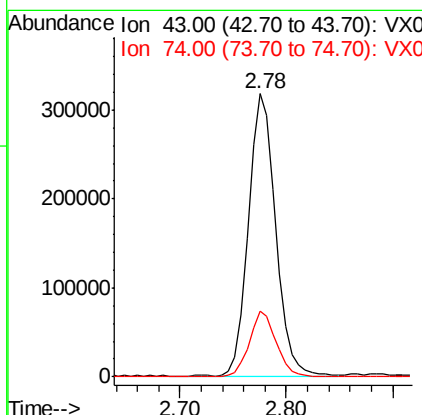
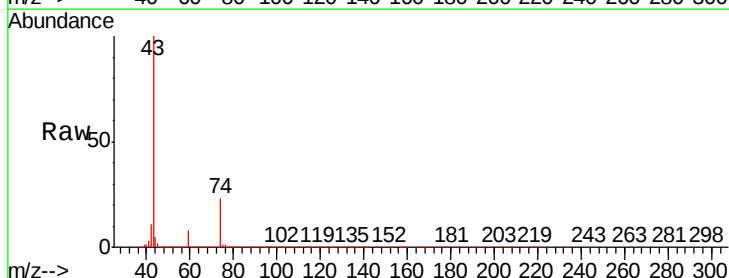
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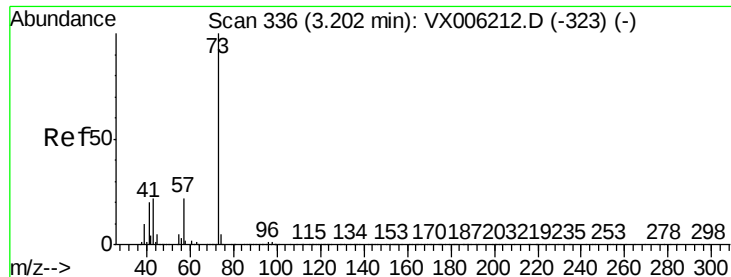
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#18
Methyl Acetate
Concen: 50.188 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX006268.D
Acq: 04 Dec 2018 10:14

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.2	17.9	26.9





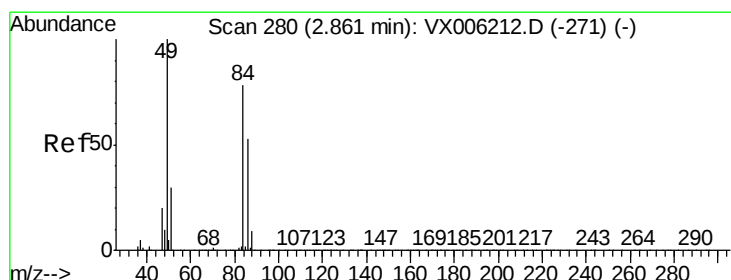
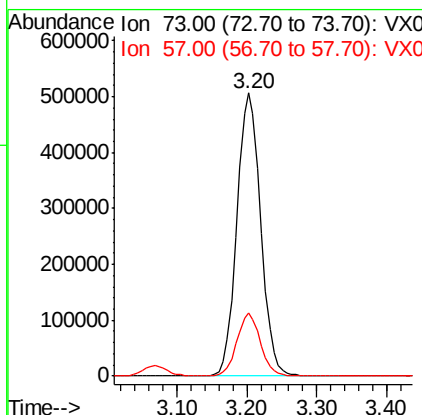
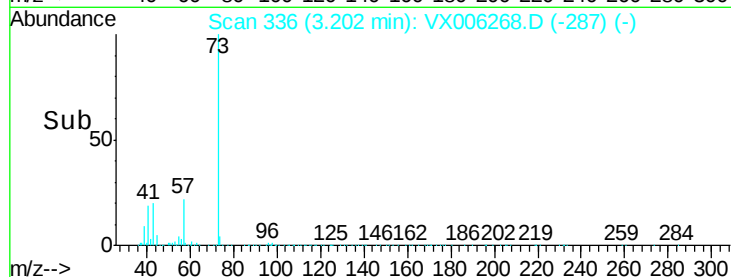
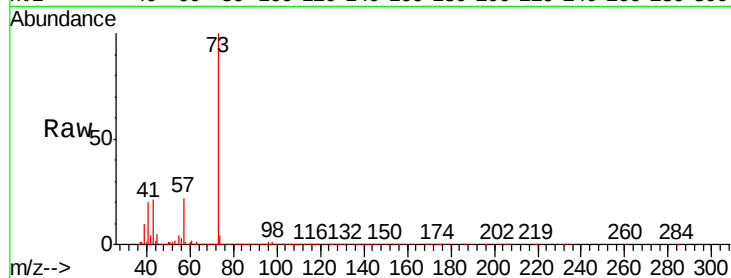
#19
Methyl tert-butyl Ether
Concen: 52.002 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX006268.D
Acq: 04 Dec 2018 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 1190788
Ion Ratio Lower Upper
73 100
57 22.1 17.5 26.3

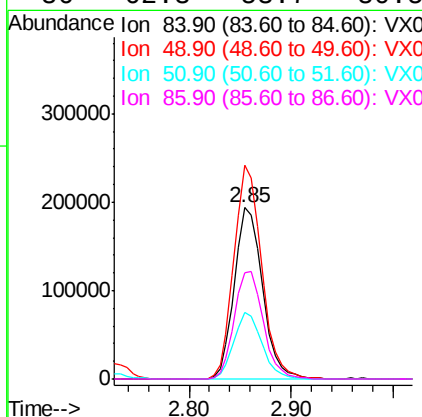
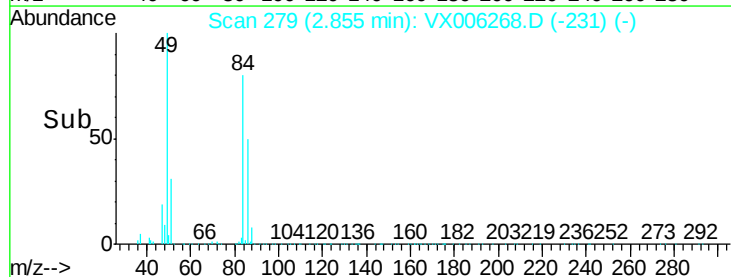
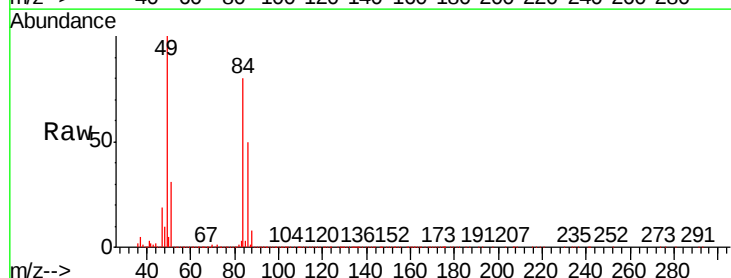
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#20
Methylene Chloride
Concen: 51.390 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX006268.D
Acq: 04 Dec 2018 10:14

Tgt Ion: 84 Resp: 371693
Ion Ratio Lower Upper
84 100
49 124.8 102.2 153.4
51 38.7 31.1 46.7
86 62.3 53.7 80.5





#21

trans-1,2-Dichloroethene

Concen: 52.232 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX006268.D

Acq: 04 Dec 2018 10:14

Instrument :

MSVOA_X

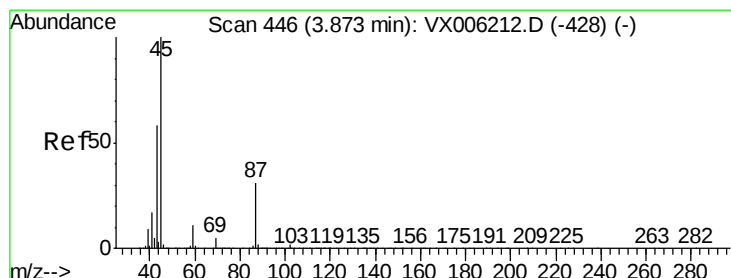
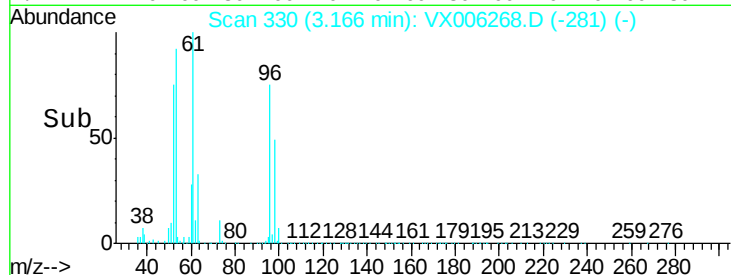
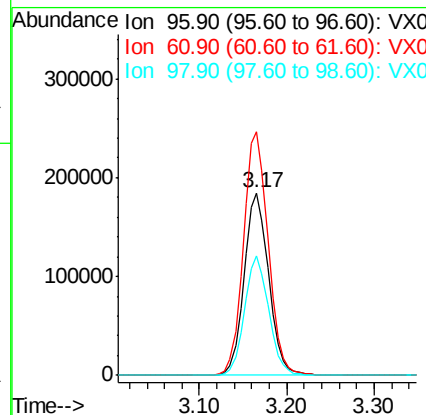
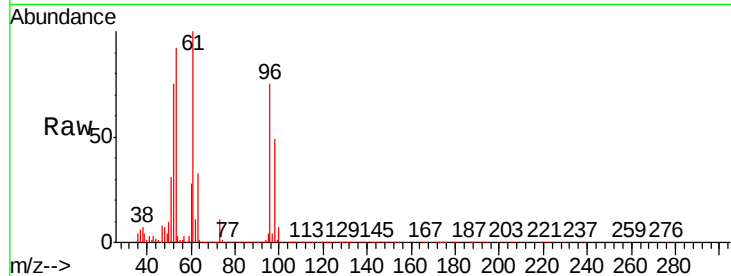
ClientSampleId :

VSTDCCC050

Tgt Ion:	96	Resp:	357294
Ion	Ratio	Lower	Upper
96	100		
61	133.4	113.3	169.9
98	65.6	53.2	79.8

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#22

Diisopropyl ether

Concen: 53.932 ug/l

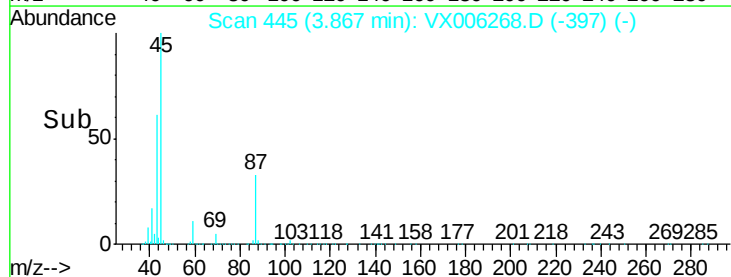
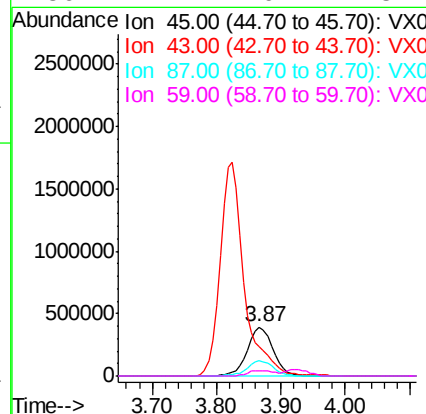
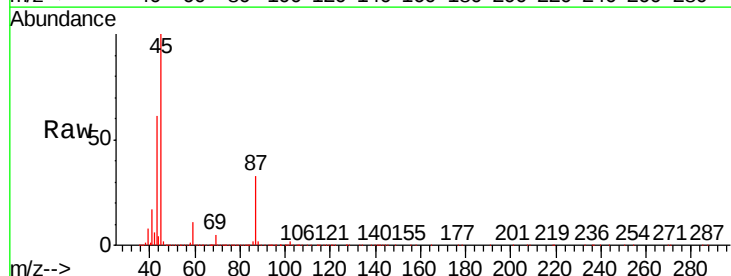
RT: 3.87 min Scan# 445

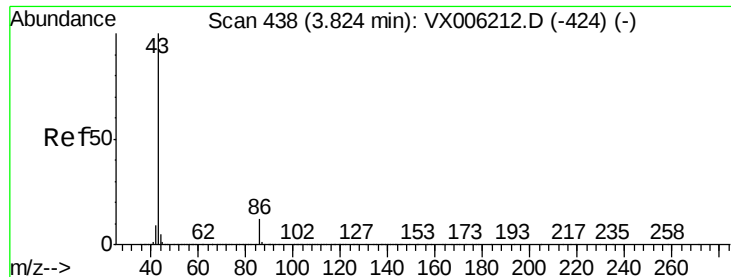
Delta R.T. -0.01 min

Lab File: VX006268.D

Acq: 04 Dec 2018 10:14

Tgt Ion:	45	Resp:	1068160
Ion	Ratio	Lower	Upper
45	100		
43	60.4	46.2	69.2
87	32.7	24.9	37.3
59	11.1	9.1	13.7





#23

Vinyl Acetate

Concen: 266.525 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX006268.D

Acq: 04 Dec 2018 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 4502295

Ion Ratio Lower Upper

43 100

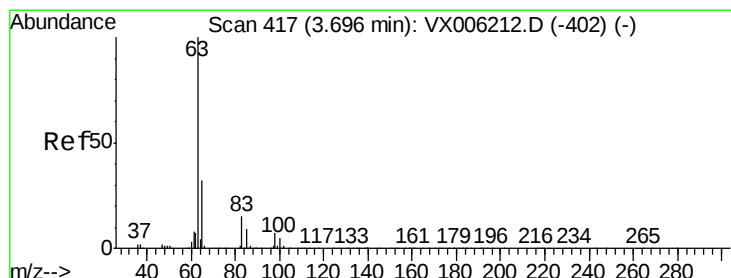
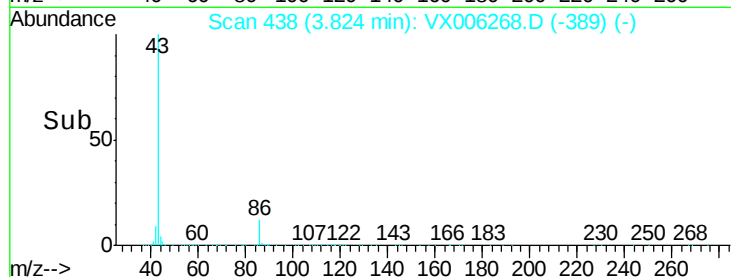
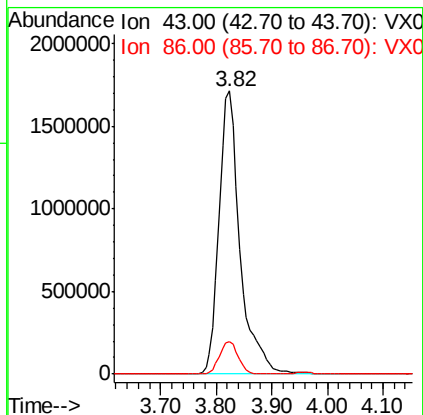
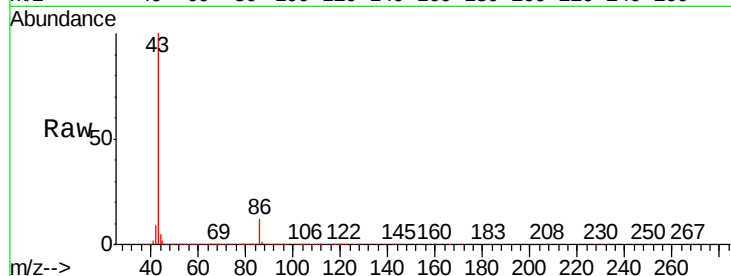
86 11.6 9.4 14.0

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#24

1,1-Dichloroethane

Concen: 56.301 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX006268.D

Acq: 04 Dec 2018 10:14

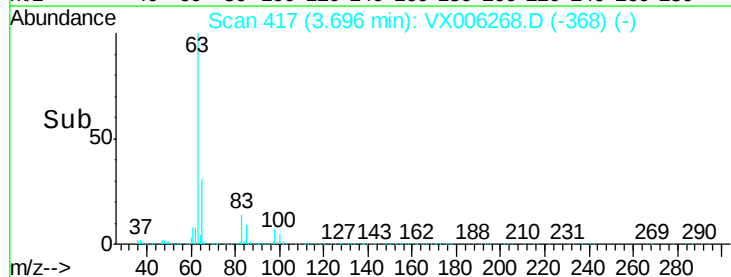
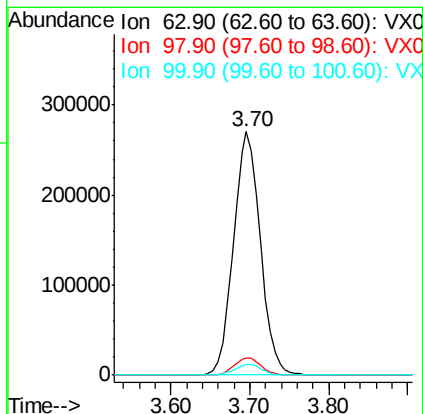
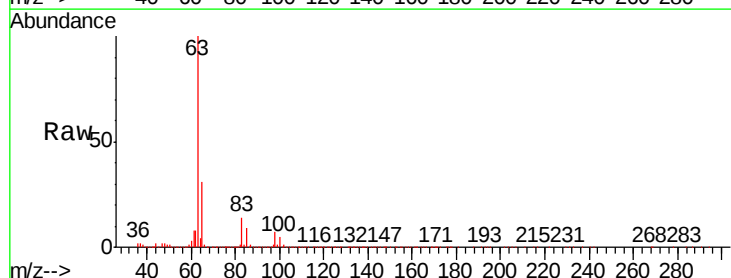
Tgt Ion: 63 Resp: 637349

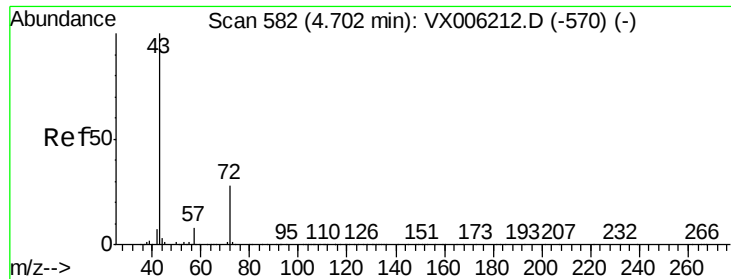
Ion Ratio Lower Upper

63 100

98 6.8 3.8 11.4

100 4.5 2.5 7.4





#25

2-Butanone

Concen: 244.922 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX006268.D

Acq: 04 Dec 2018 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 1187665

Ion Ratio Lower Upper

43 100

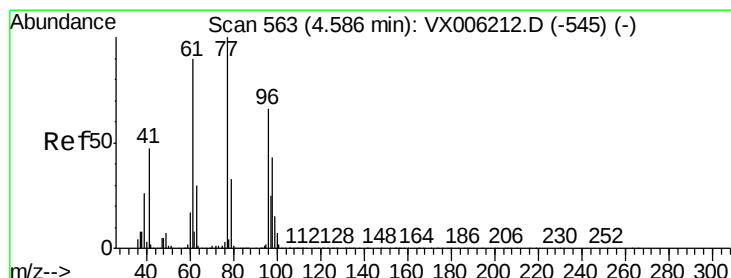
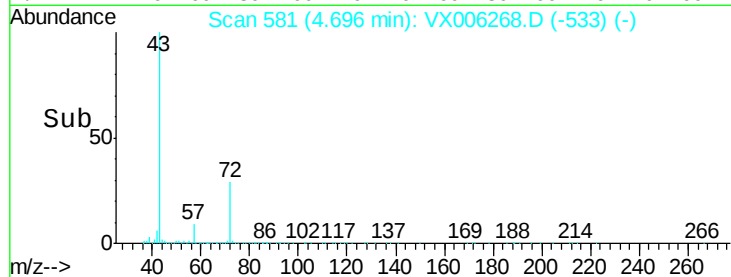
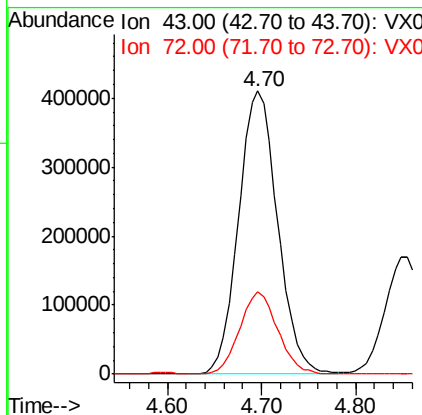
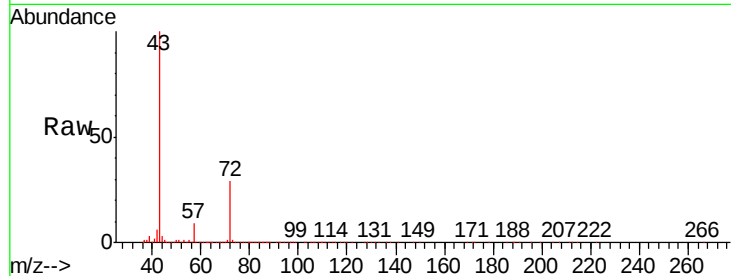
72 28.8 22.6 33.8

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#26

2,2-Dichloropropane

Concen: 55.881 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX006268.D

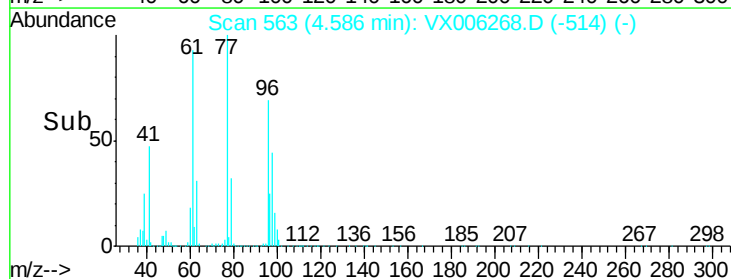
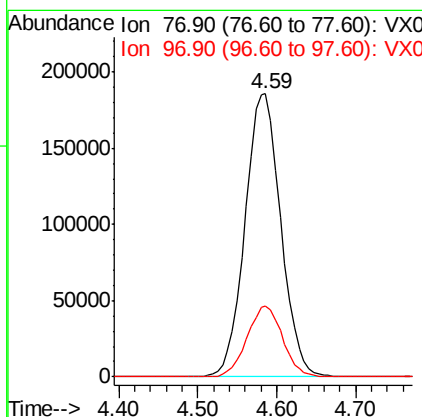
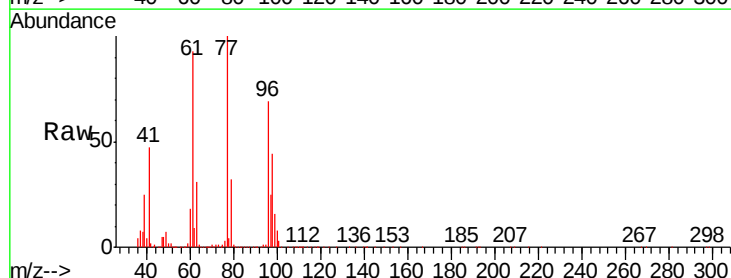
Acq: 04 Dec 2018 10:14

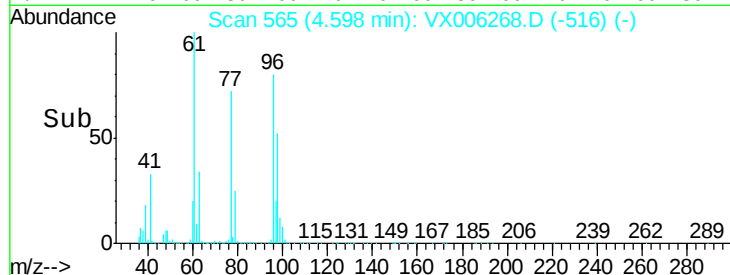
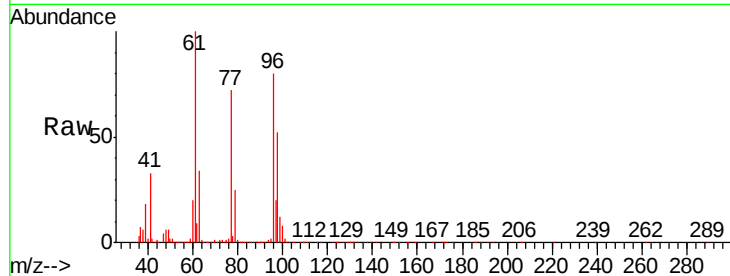
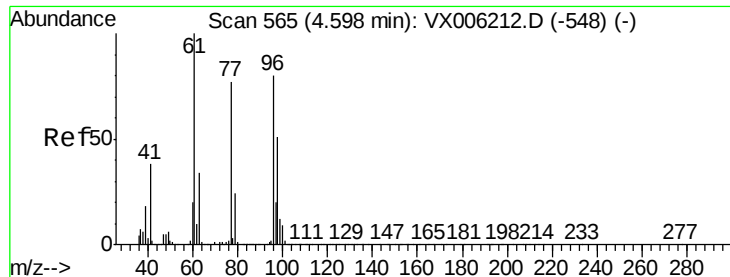
Tgt Ion: 77 Resp: 583815

Ion Ratio Lower Upper

77 100

97 24.9 12.3 36.8





#27

cis-1,2-Dichloroethene

Concen: 54.854 ug/l

RT: 4.60 min Scan# 565

Delta R.T. -0.00 min

Lab File: VX006268.D

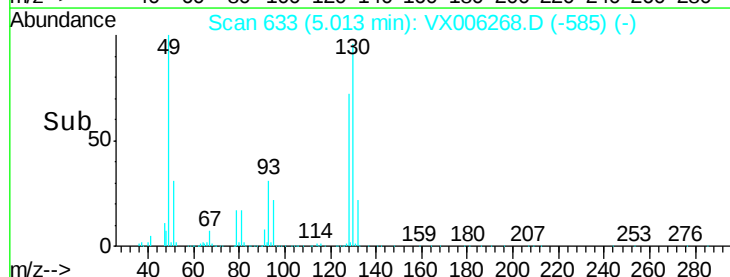
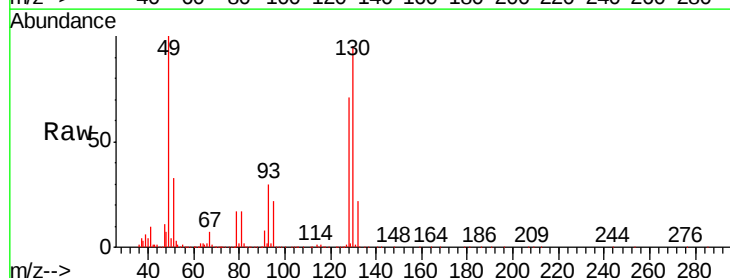
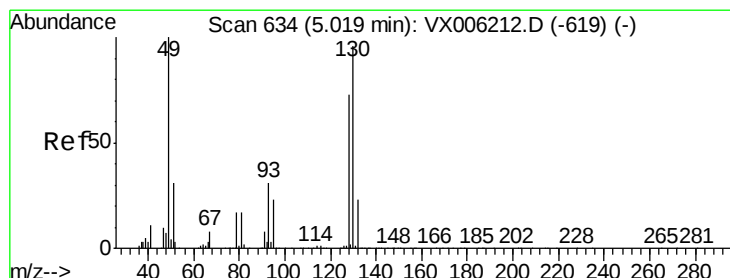
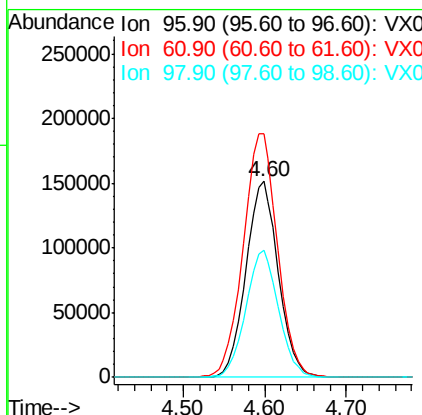
Acq: 04 Dec 2018 10:14

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	418547		
61	131.7	0.0	265.0	
98	65.5	0.0	130.2	

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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#28

Bromochloromethane

Concen: 50.011 ug/l

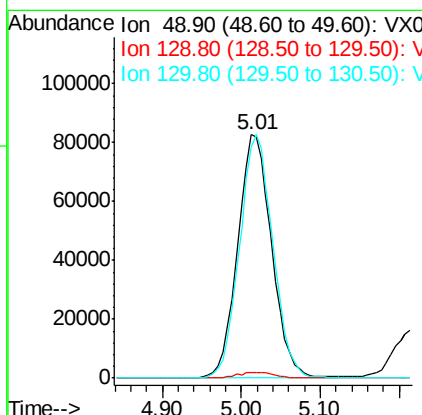
RT: 5.01 min Scan# 633

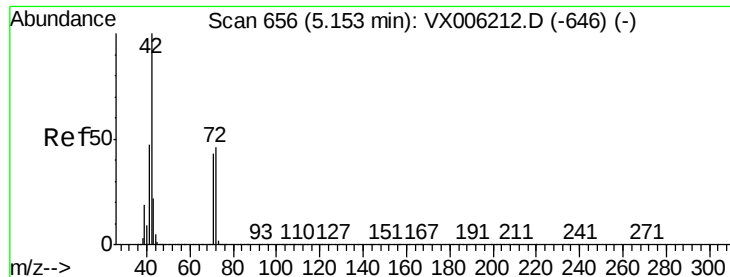
Delta R.T. -0.01 min

Lab File: VX006268.D

Acq: 04 Dec 2018 10:14

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	247290		
129	2.6	0.0	5.0	
130	98.4	78.3	117.5	





#29

Tetrahydrofuran

Concen: 248.672 ug/l

RT: 5.15 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX006268.D

Acq: 04 Dec 2018 10:14

Instrument :

MSVOA_X

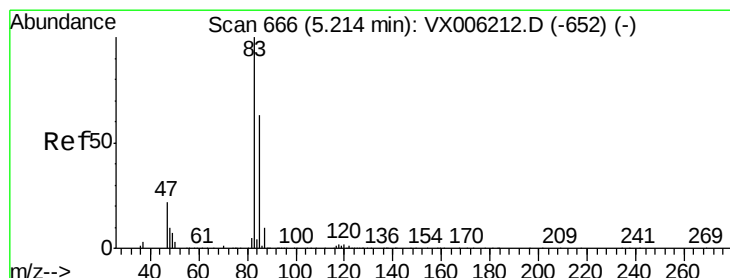
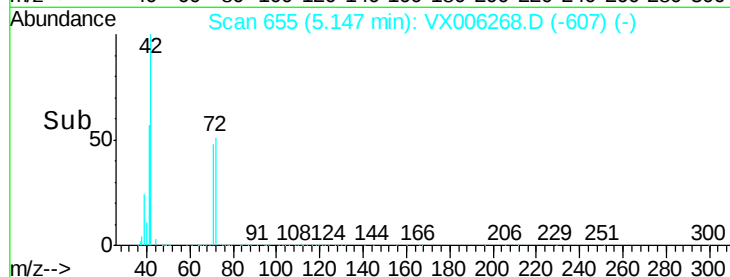
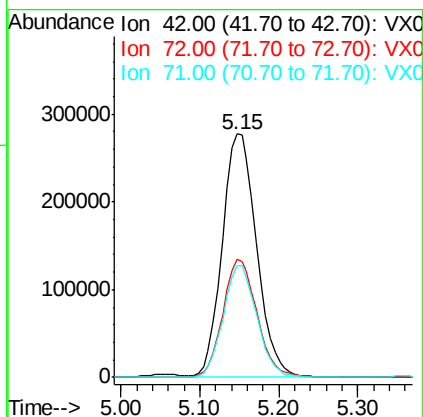
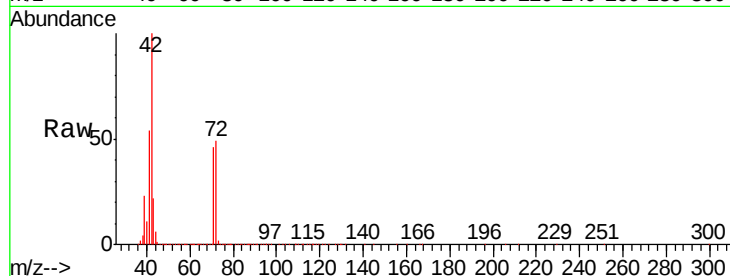
ClientSampleId :

VSTDCCC050

Tgt Ion:	42	Resp:	838064
Ion	Ratio	Lower	Upper
42	100		
72	48.2	37.8	56.8
71	45.1	35.2	52.8

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#30

Chloroform

Concen: 54.993 ug/l

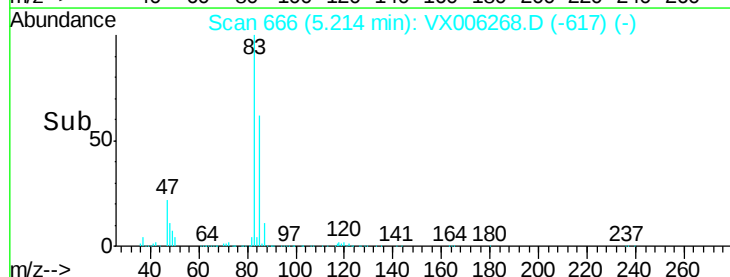
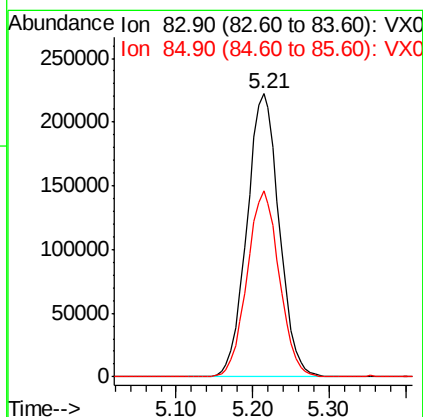
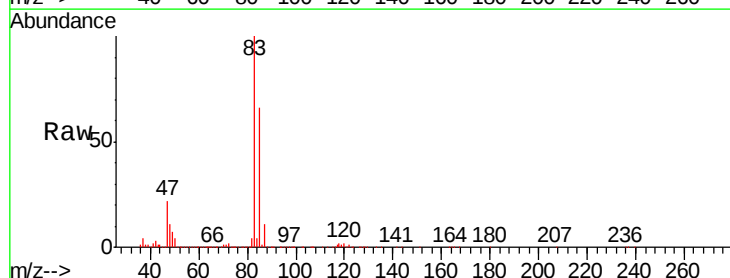
RT: 5.21 min Scan# 666

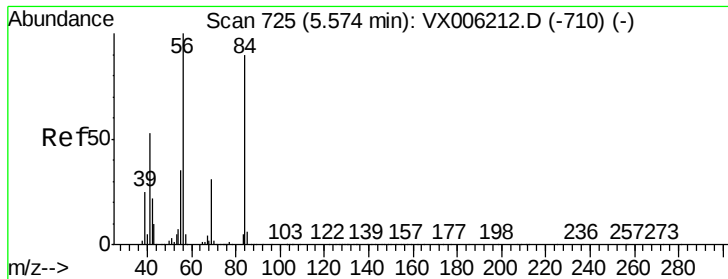
Delta R.T. -0.00 min

Lab File: VX006268.D

Acq: 04 Dec 2018 10:14

Tgt Ion:	83	Resp:	654212
Ion	Ratio	Lower	Upper
83	100		
85	65.5	50.3	75.5





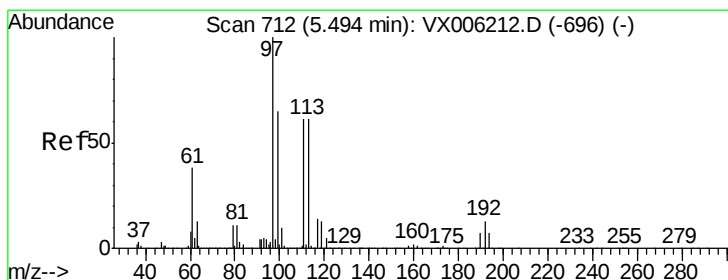
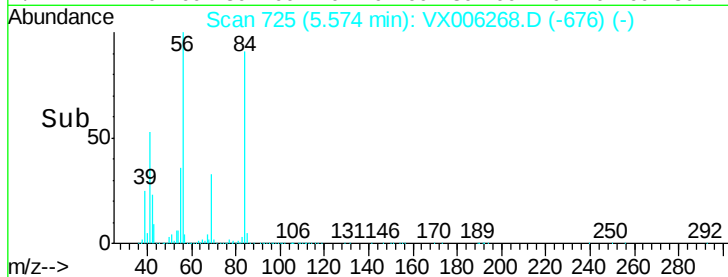
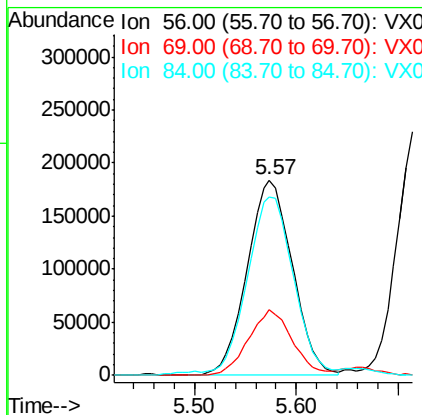
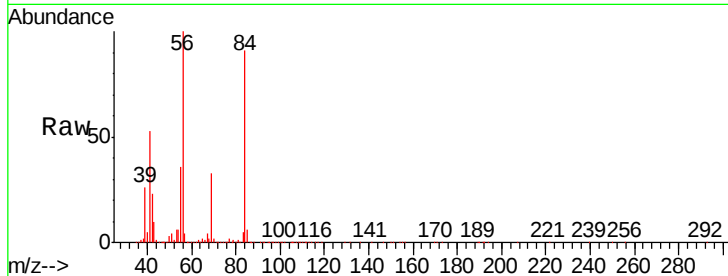
#31
Cyclohexane
Concen: 53.739 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX006268.D
Acq: 04 Dec 2018 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
56	100		
69	33.4	24.5	36.7
84	89.9	71.8	107.6

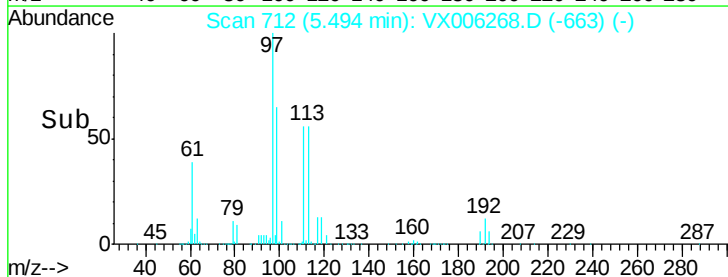
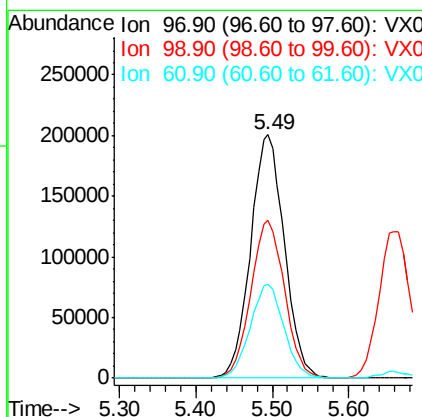
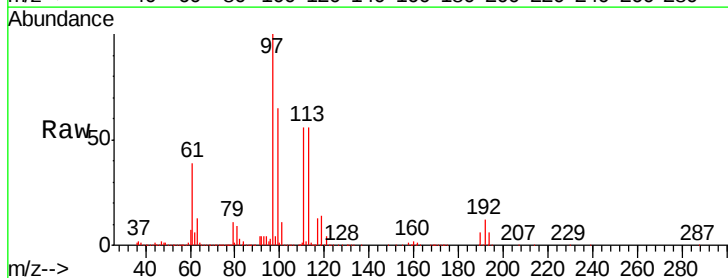
Manual Integrations
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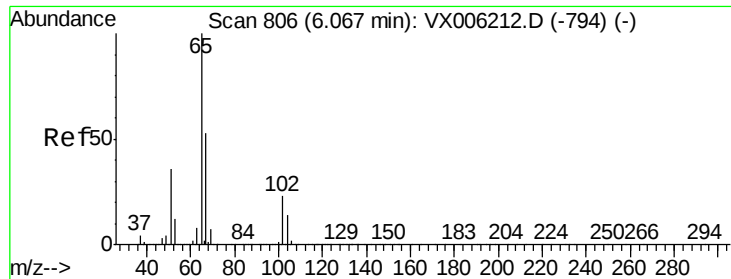
MMDadoda
12/5/2018 10:11:22 AM



#32
1,1,1-Trichloroethane
Concen: 54.320 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX006268.D
Acq: 04 Dec 2018 10:14

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.6	77.4
61	38.4	30.6	46.0





#33

1,2-Dichloroethane-d4

Concen: 47.129 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX006268.D

Acq: 04 Dec 2018 10:14

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tgt Ion: 65 Resp: 341295

Ion Ratio Lower Upper

65 100

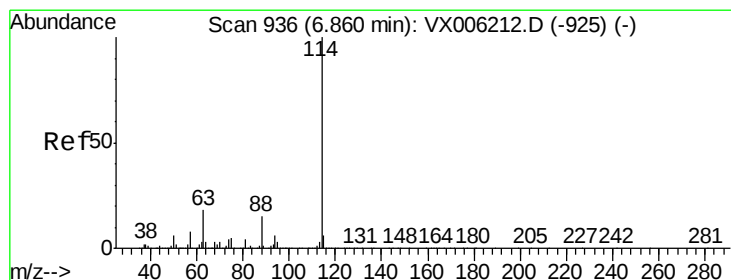
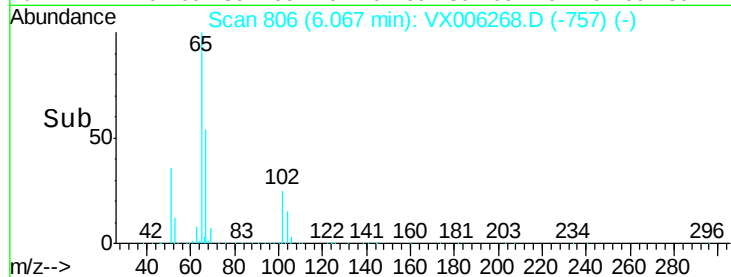
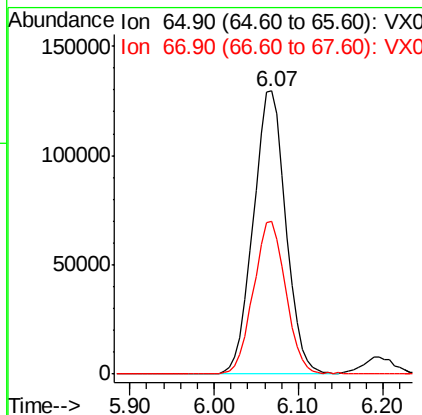
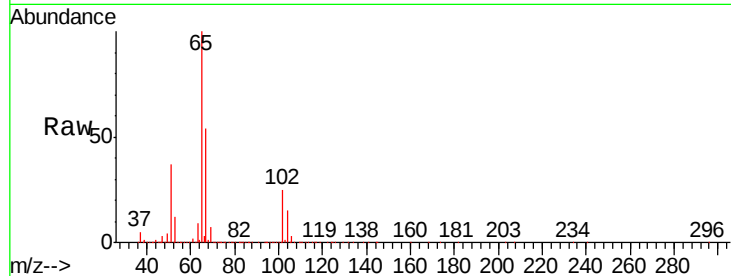
67 53.4 0.0 107.2

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006268.D

Acq: 04 Dec 2018 10:14

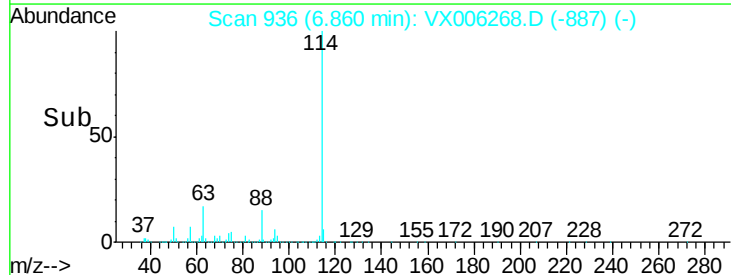
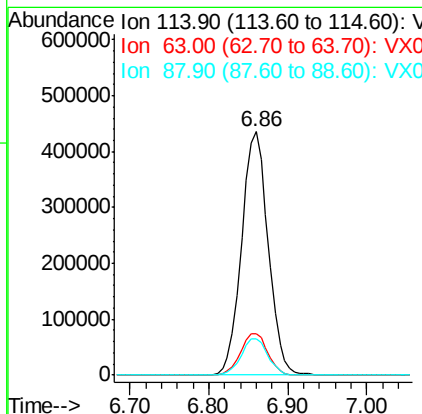
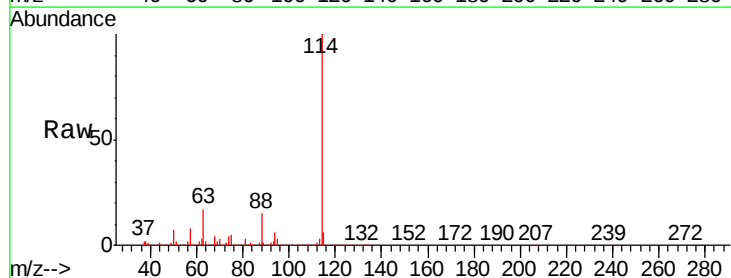
Tgt Ion: 114 Resp: 1023858

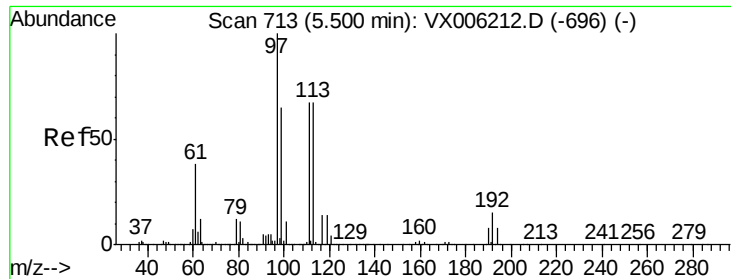
Ion Ratio Lower Upper

114 100

63 17.1 0.0 36.6

88 14.7 0.0 29.0





#35

Dibromofluoromethane

Concen: 49.781 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX006268.D

Acq: 04 Dec 2018 10:14

Instrument :

MSVOA_X

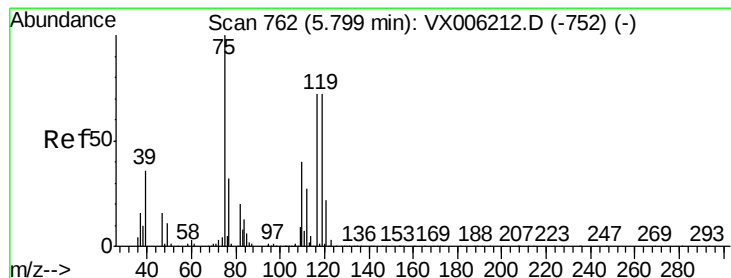
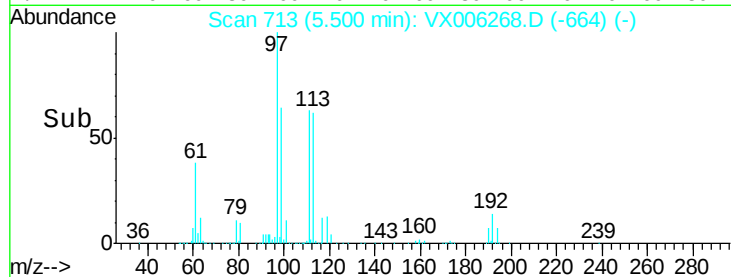
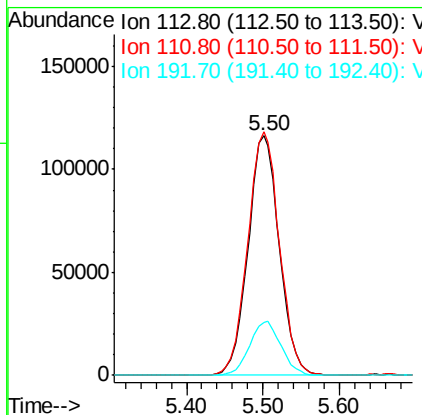
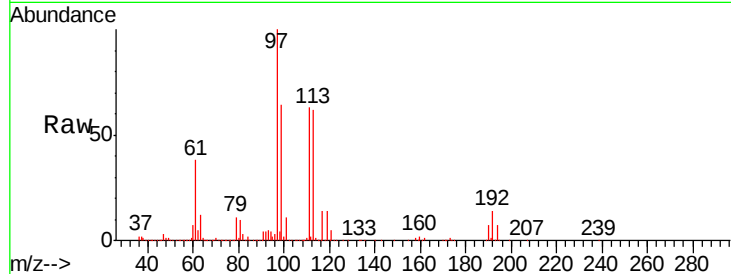
ClientSampleId :

VSTDCCC050

Tgt Ion:	113	Resp:	330003
Ion Ratio	Lower	Upper	
113	100		
111	103.5	81.1	121.7
192	22.6	18.2	27.2

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#36

1,1-Dichloropropene

Concen: 56.605 ug/l

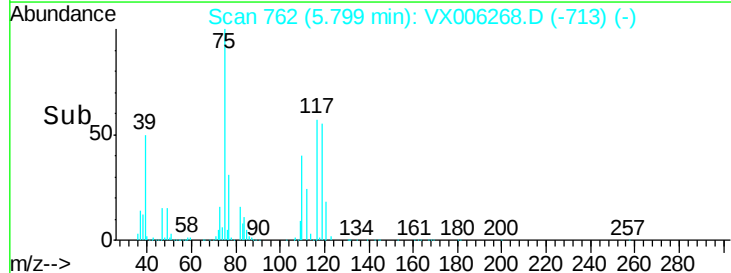
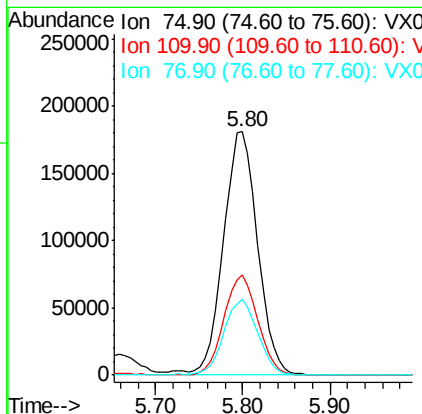
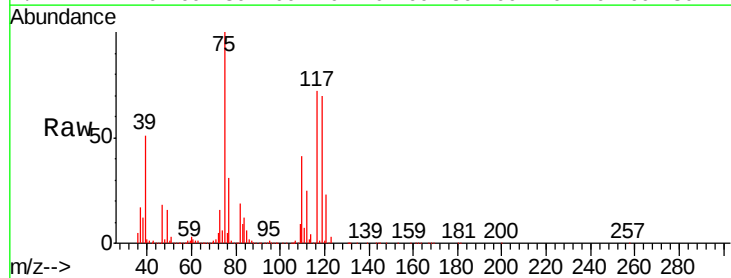
RT: 5.80 min Scan# 762

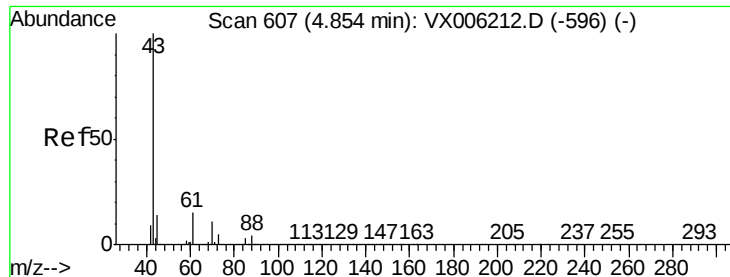
Delta R.T. -0.00 min

Lab File: VX006268.D

Acq: 04 Dec 2018 10:14

Tgt Ion:	75	Resp:	488044
Ion Ratio	Lower	Upper	
75	100		
110	41.0	20.4	61.3
77	31.1	24.9	37.3





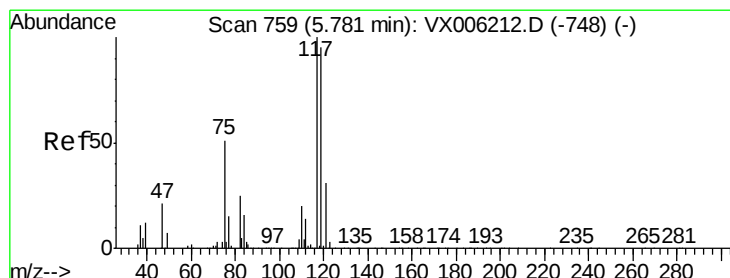
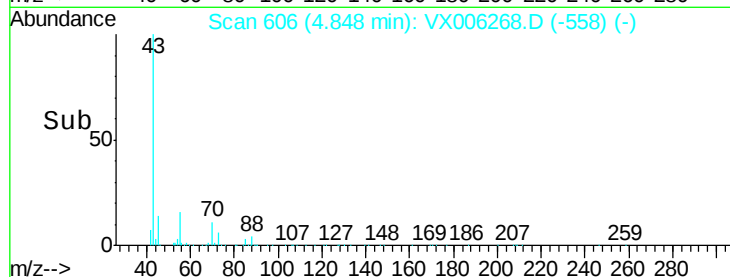
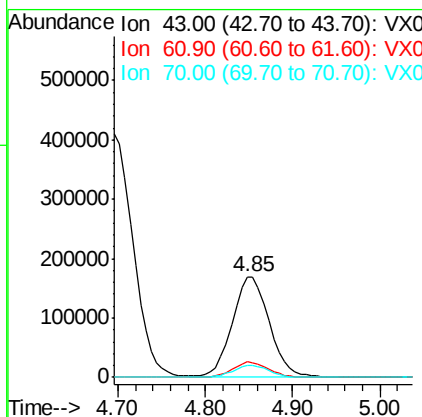
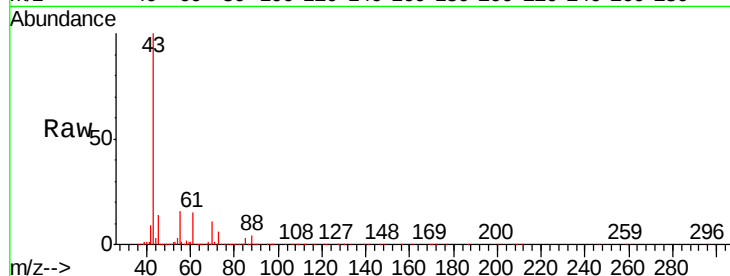
#37
Ethyl Acetate
Concen: 51.285 ug/l
RT: 4.85 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX006268.D
Acq: 04 Dec 2018 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.5	17.3
70	12.0	9.0	13.6

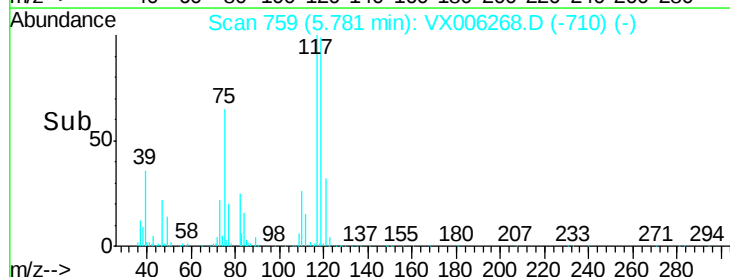
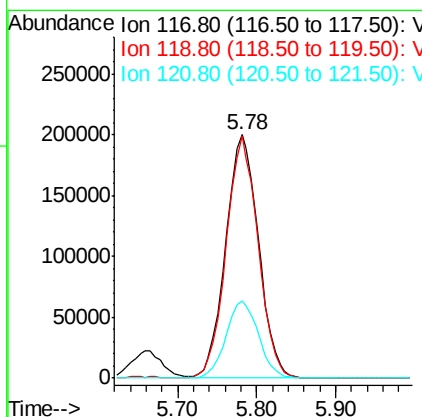
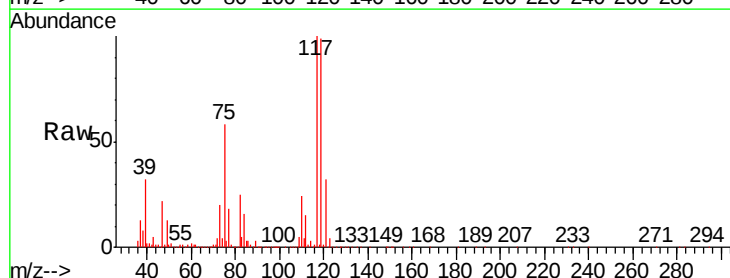
Manual Integrations
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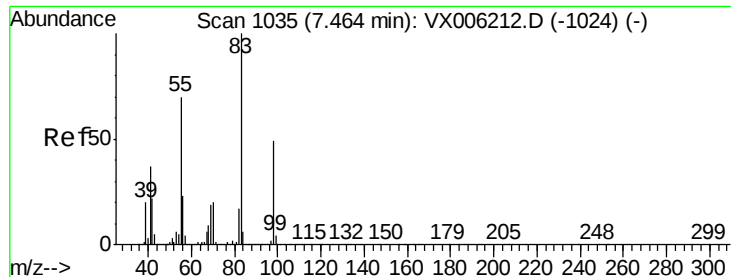
MMDadoda
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#38
Carbon Tetrachloride
Concen: 57.037 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX006268.D
Acq: 04 Dec 2018 10:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.2	75.8	113.8
121	31.6	24.6	37.0





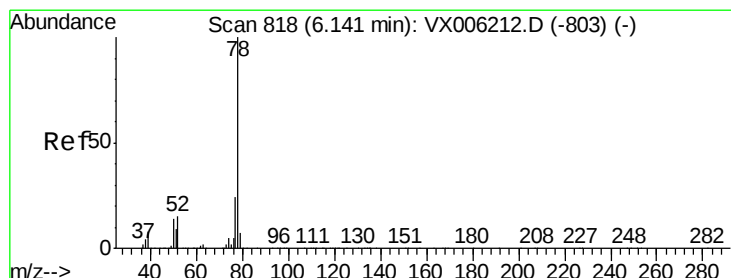
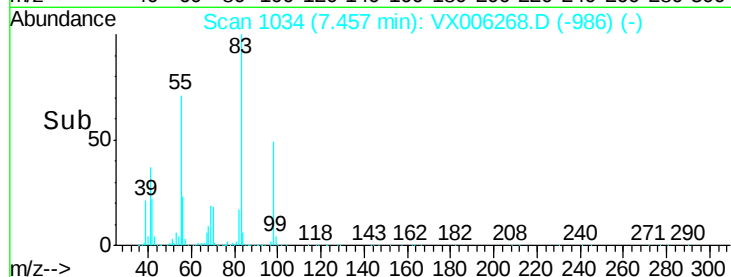
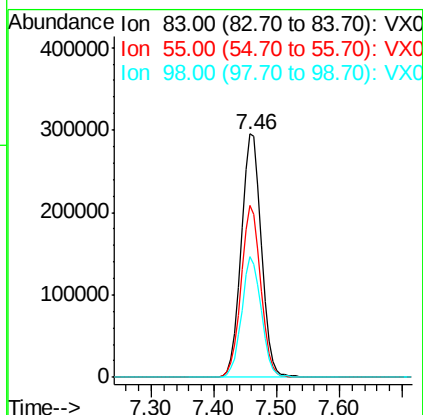
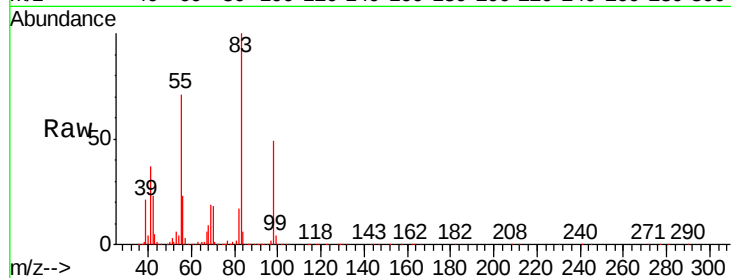
#39
Methylcyclohexane
Concen: 58.555 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX006268.D
Acq: 04 Dec 2018 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
55	70.4	56.4	84.6
98	49.4	39.0	58.6

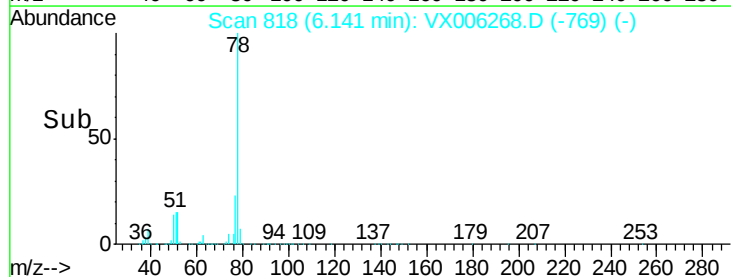
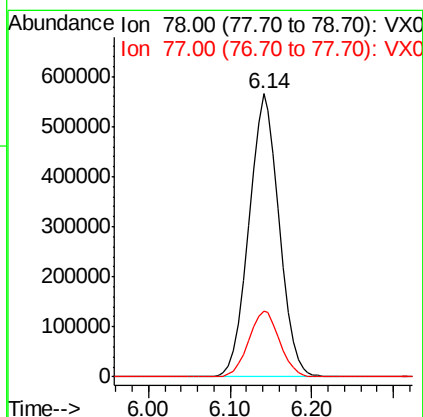
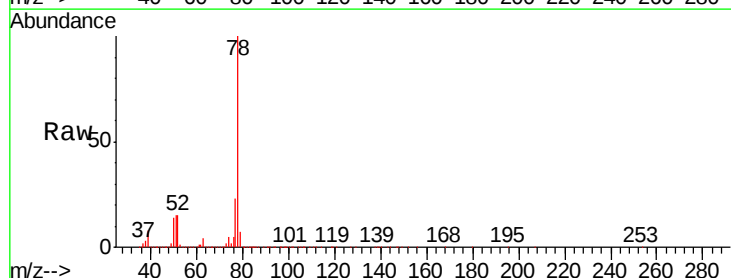
Manual Integrations
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#40
Benzene
Concen: 56.359 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX006268.D
Acq: 04 Dec 2018 10:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.2	28.8





#41

Methacrylonitrile

Concen: 52.419 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.01 min

Lab File: VX006268.D

Acq: 04 Dec 2018 10:14

Instrument :

MSVOA_X

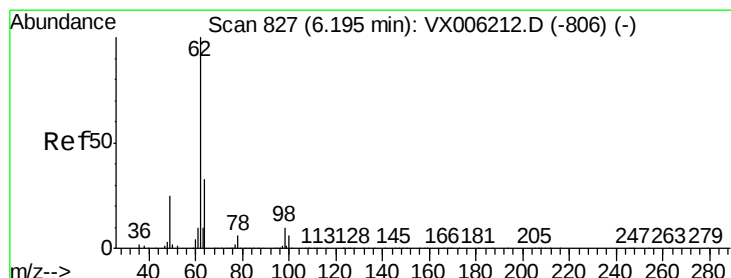
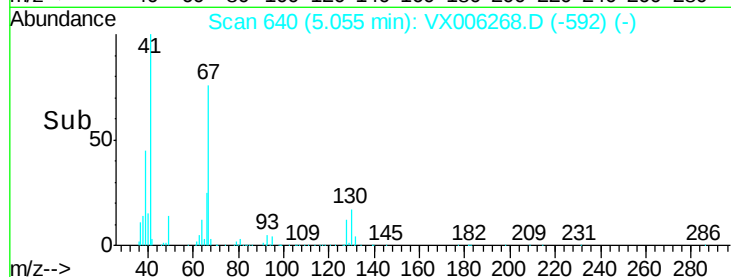
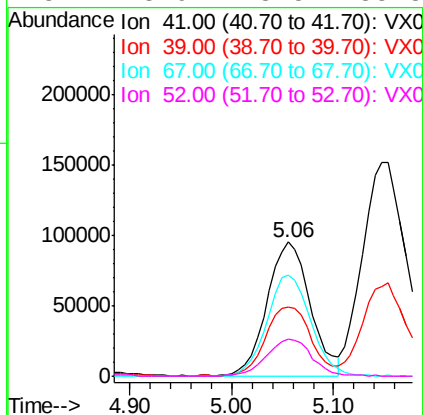
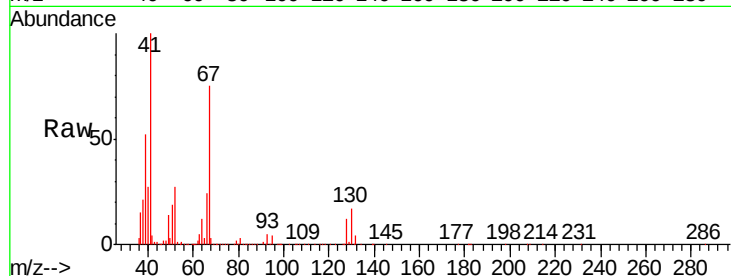
ClientSampleId :

VSTDCCC050

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
41	100		278499		
39	54.4	44.0	66.0		
67	76.6	61.4	92.0		
52	28.9	23.5	35.3		

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 56.930 ug/l

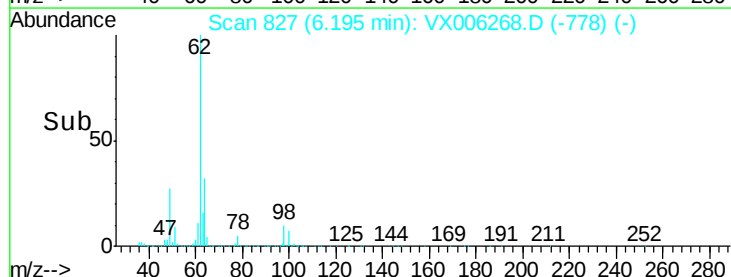
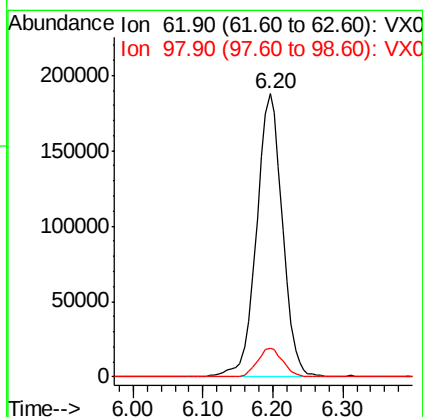
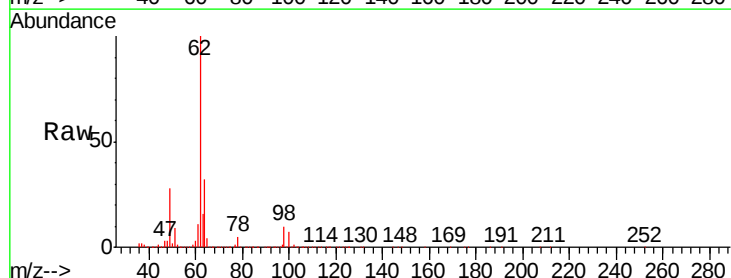
RT: 6.20 min Scan# 827

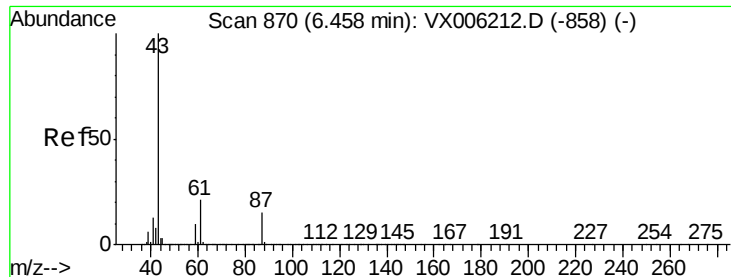
Delta R.T. -0.00 min

Lab File: VX006268.D

Acq: 04 Dec 2018 10:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		481143		
98	10.0	0.0	20.2		





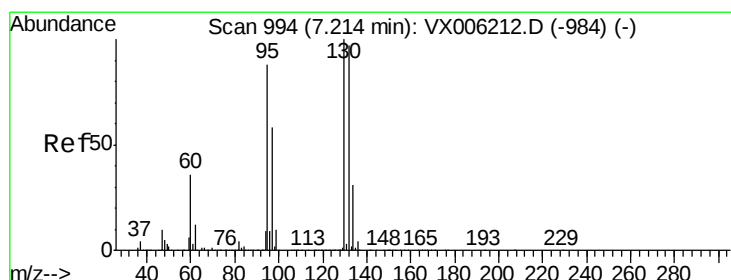
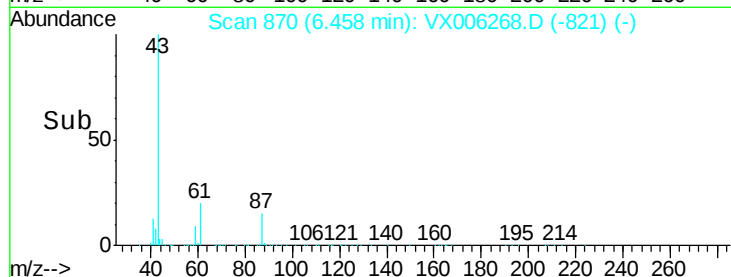
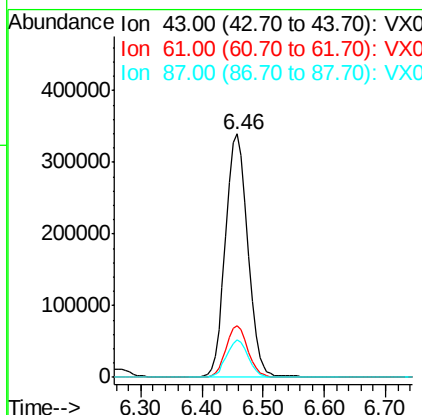
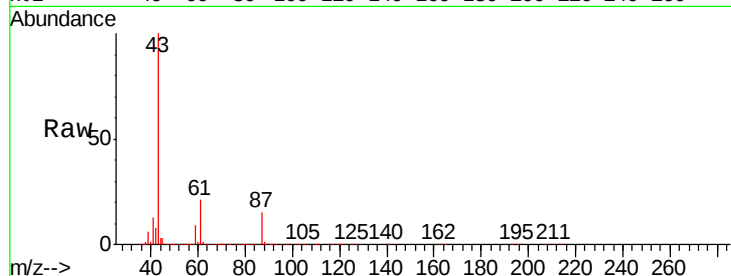
#43
Isopropyl Acetate
Concen: 52.780 ug/l
RT: 6.46 min Scan# 870
Delta R.T. -0.00 min
Lab File: VX006268.D
Acq: 04 Dec 2018 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	20.8	16.8	25.2
87	15.2	11.9	17.9

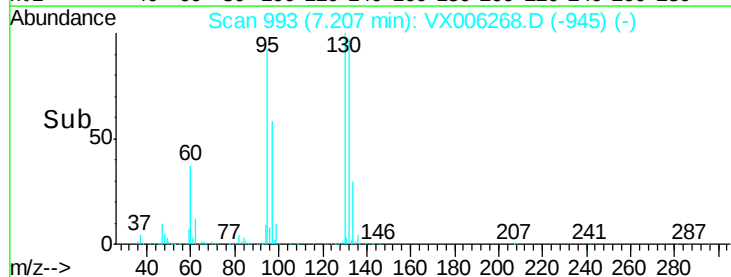
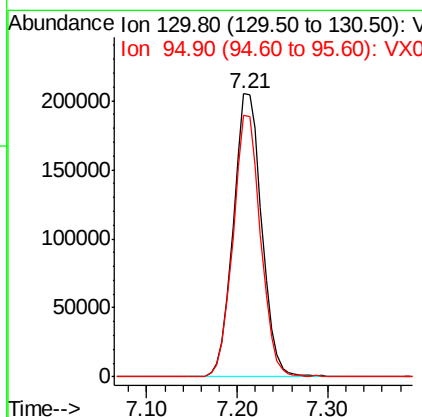
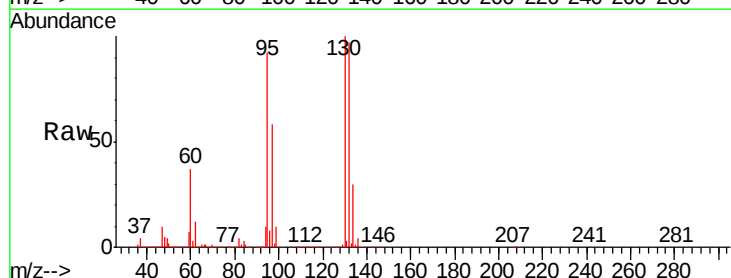
Manual Integrations
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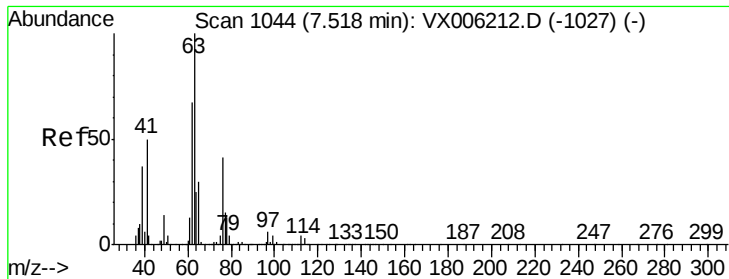
MMDadoda
12/5/2018 10:11:22 AM



#44
Trichloroethene
Concen: 56.869 ug/l
RT: 7.21 min Scan# 993
Delta R.T. -0.01 min
Lab File: VX006268.D
Acq: 04 Dec 2018 10:14

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.1	0.0	175.8





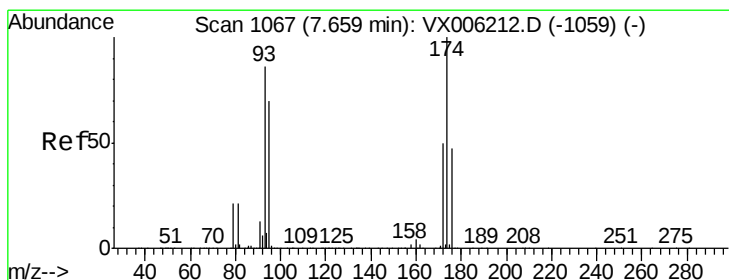
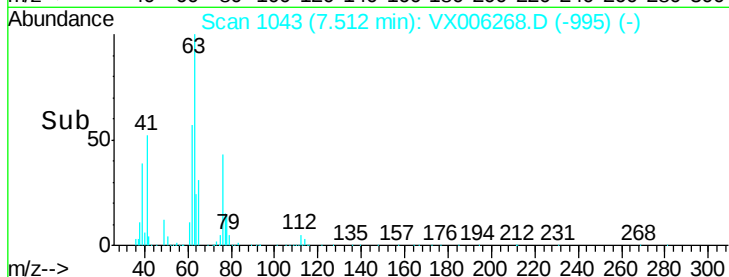
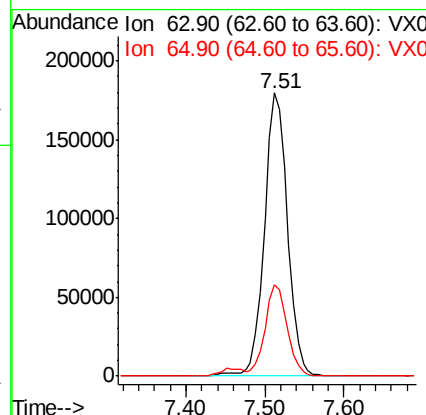
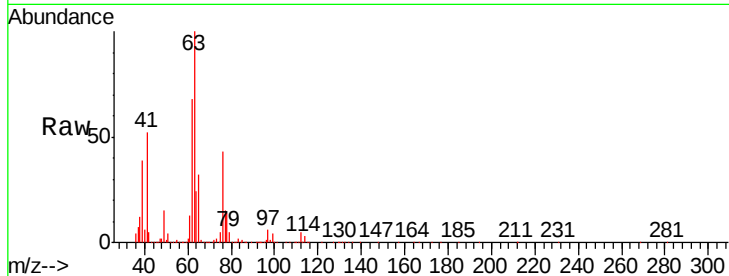
#45
 1,2-Dichloropropane
 Concen: 55.643 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.01 min
 Lab File: VX006268.D
 Acq: 04 Dec 2018 10:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
63	100		
65	32.1	24.3	36.5

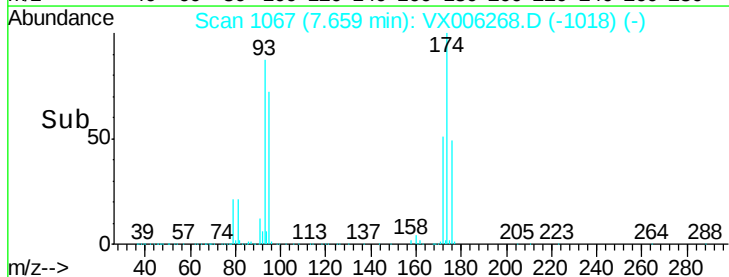
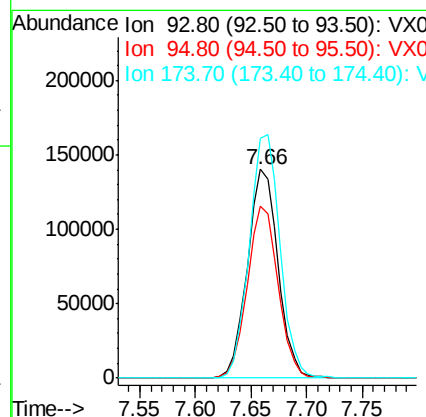
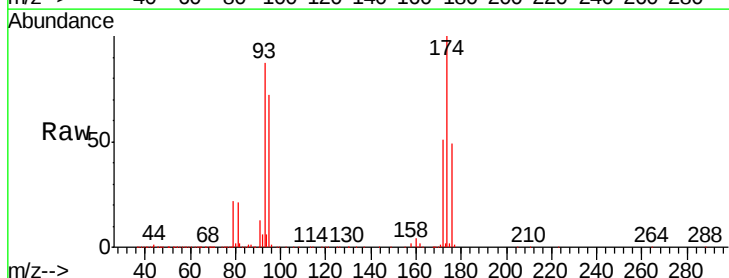
Manual Integrations
 APPROVED

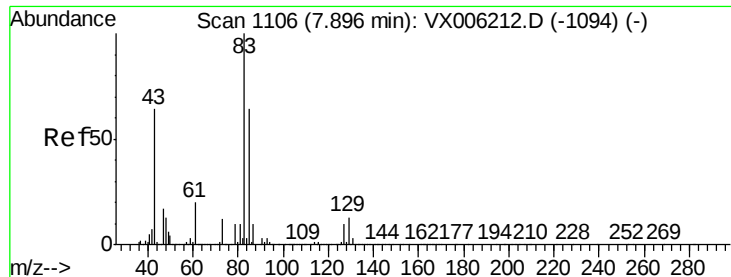
MMDadoda
 12/5/2018 10:11:22 AM



#46
 Dibromomethane
 Concen: 56.661 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX006268.D
 Acq: 04 Dec 2018 10:14

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.0	66.2	99.4
174	117.6	97.2	145.8





#47

Bromodichloromethane

Concen: 57.149 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX006268.D

Acq: 04 Dec 2018 10:14

Instrument :

MSVOA_X

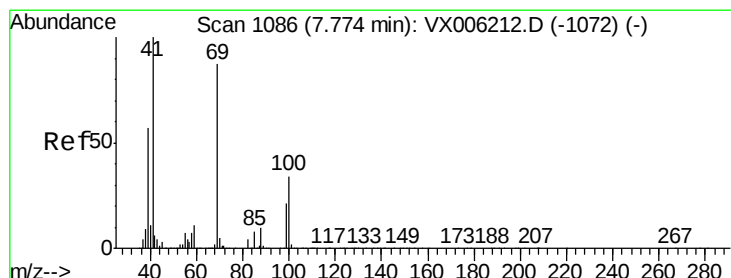
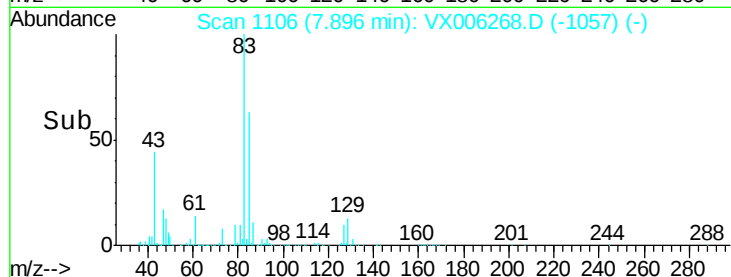
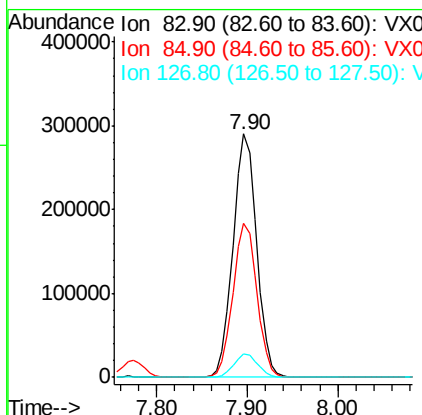
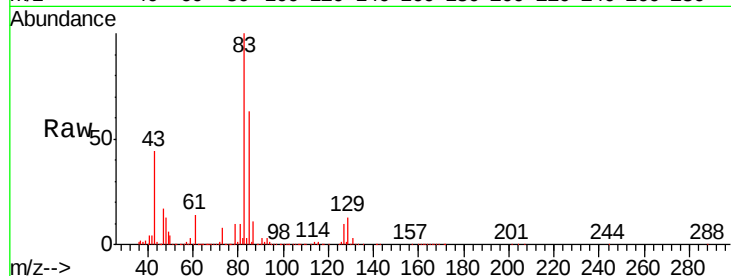
ClientSampleId :

VSTDCCC050

Tgt Ion:	83	Resp:	524579
Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.4	77.0
127	9.6	7.9	11.9

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#48

Methyl methacrylate

Concen: 53.087 ug/l

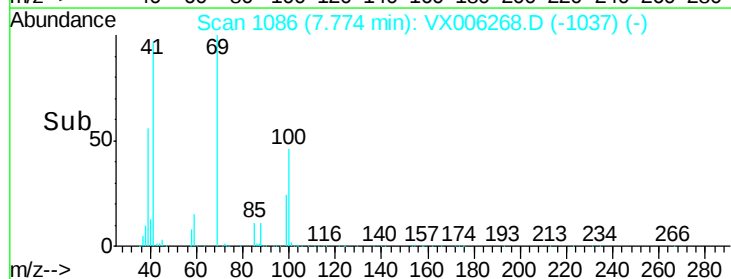
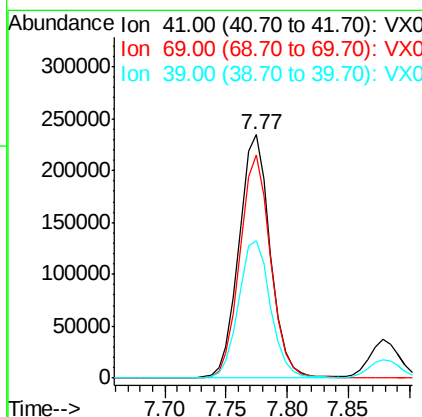
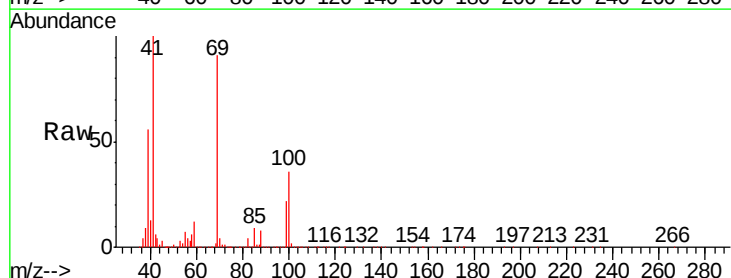
RT: 7.77 min Scan# 1086

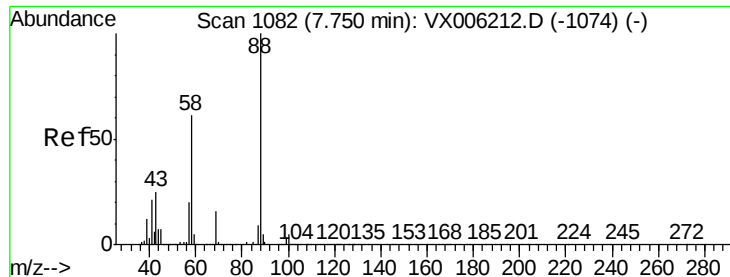
Delta R.T. -0.00 min

Lab File: VX006268.D

Acq: 04 Dec 2018 10:14

Tgt Ion:	41	Resp:	415757
Ion	Ratio	Lower	Upper
41	100		
69	90.7	70.3	105.5
39	57.4	45.3	67.9





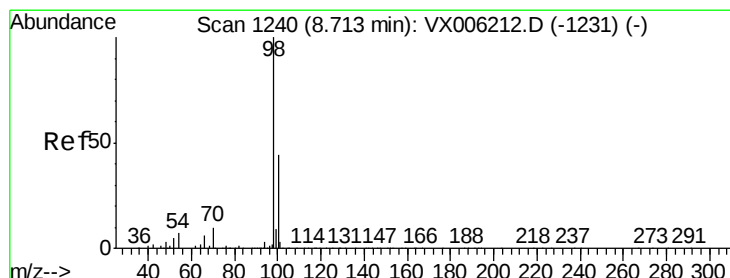
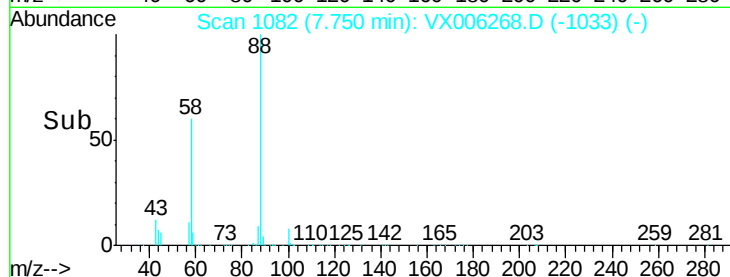
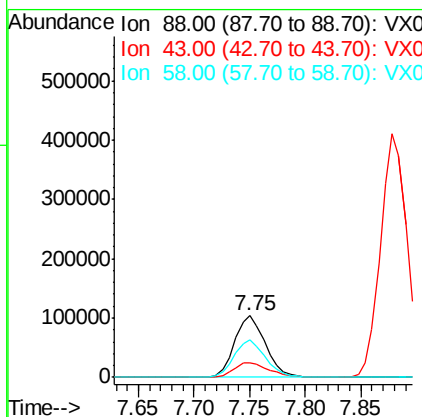
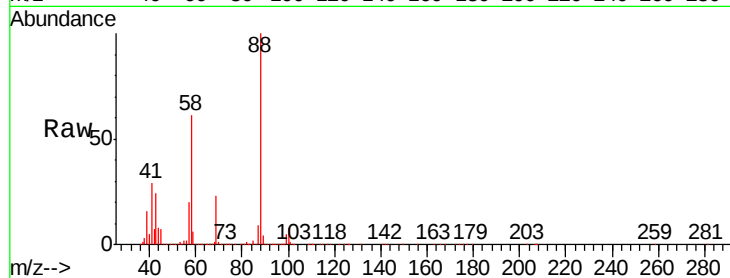
#49
1,4-Dioxane
Concen: 1024.031 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.00 min
Lab File: VX006268.D
Acq: 04 Dec 2018 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
88	100		
43	27.4	23.2	34.8
58	63.7	51.4	77.0

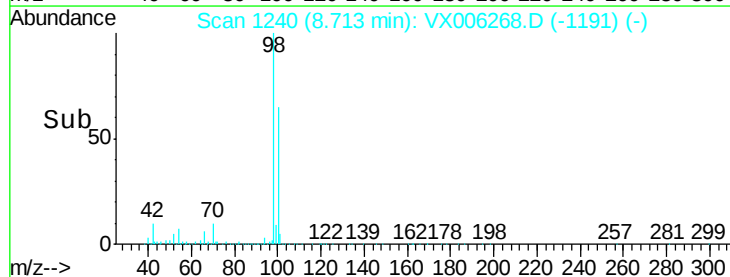
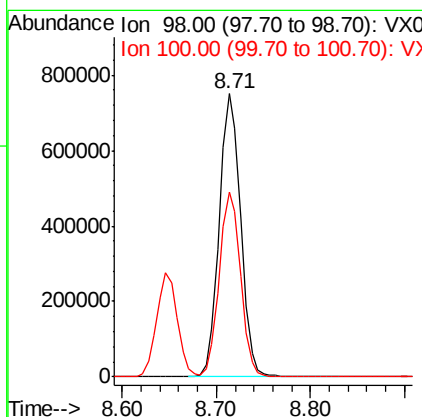
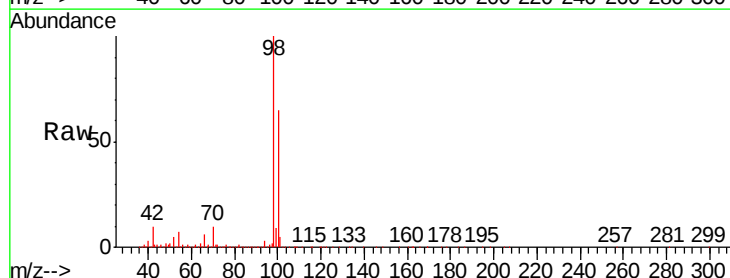
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#50
Toluene-d8
Concen: 49.007 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX006268.D
Acq: 04 Dec 2018 10:14

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.2	78.2





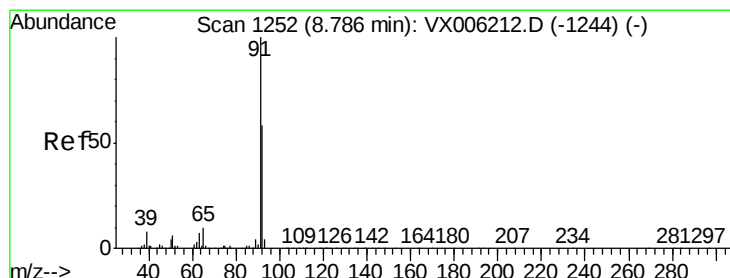
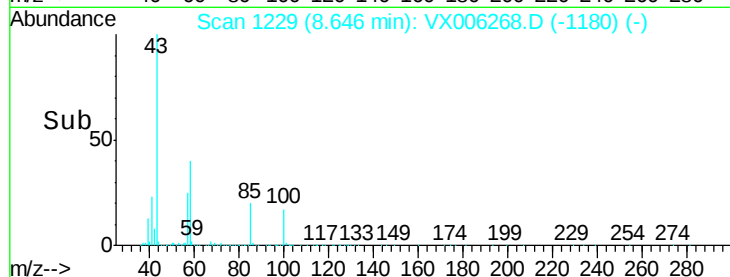
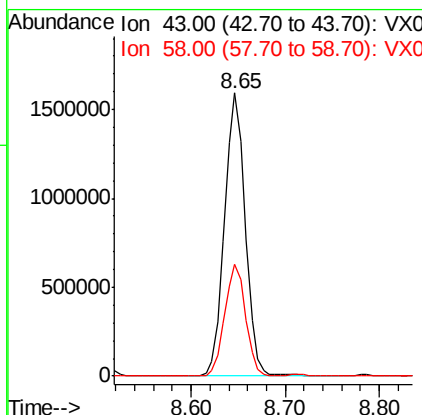
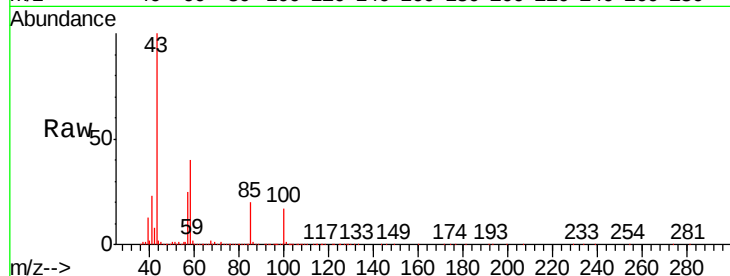
#51
 4-Methyl-2-Pentanone
 Concen: 260.193 ug/l
 RT: 8.65 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VX006268.D
 Acq: 04 Dec 2018 10:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 43 Resp: 2438426
 Ion Ratio Lower Upper
 43 100
 58 39.6 31.3 46.9

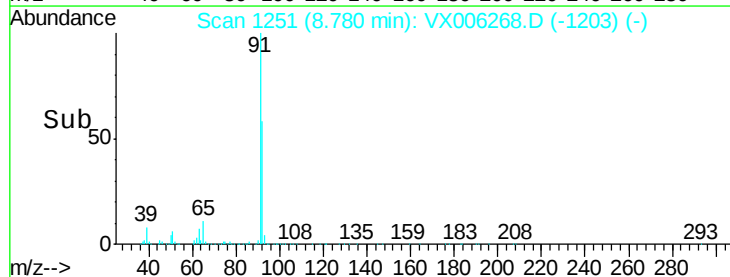
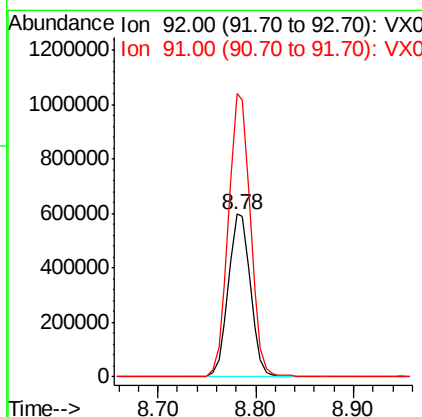
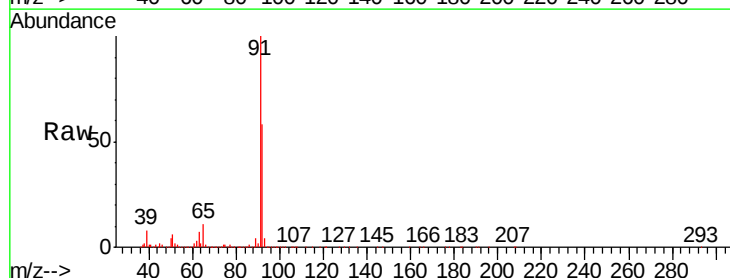
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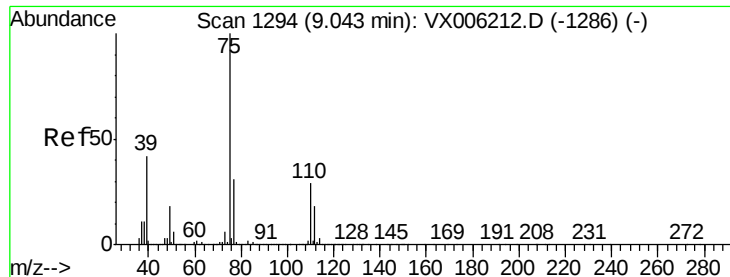
MMDadoda
 12/5/2018 10:11:22 AM



#52
 Toluene
 Concen: 55.674 ug/l
 RT: 8.78 min Scan# 1251
 Delta R.T. -0.01 min
 Lab File: VX006268.D
 Acq: 04 Dec 2018 10:14

Tgt Ion: 92 Resp: 945856
 Ion Ratio Lower Upper
 92 100
 91 172.2 139.2 208.8





#53

t-1,3-Dichloropropene

Concen: 55.341 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX006268.D

Acq: 04 Dec 2018 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 75 Resp: 594093

Ion Ratio Lower Upper

75 100

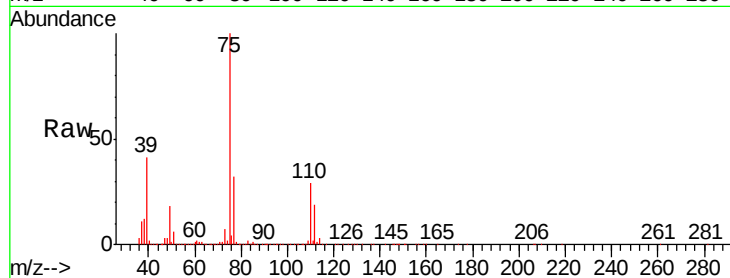
77 32.0 25.0 37.4

Manual Integrations

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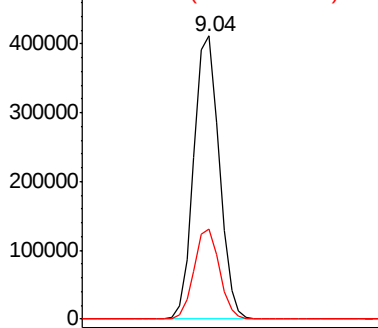
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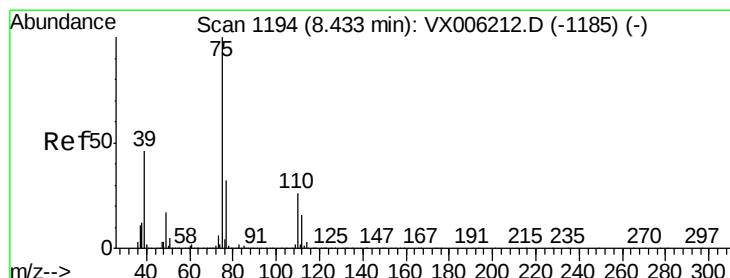
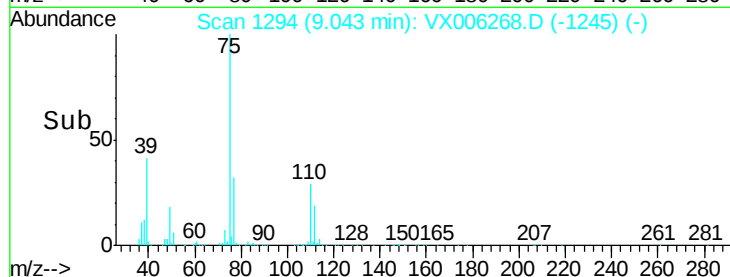


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



Time--> 8.95 9.00 9.05 9.10 9.15



#54

cis-1,3-Dichloropropene

Concen: 55.936 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX006268.D

Acq: 04 Dec 2018 10:14

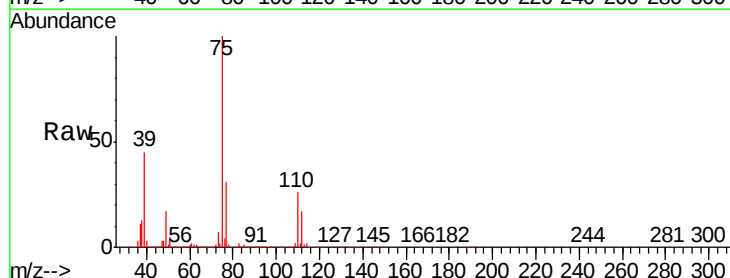
Tgt Ion: 75 Resp: 623525

Ion Ratio Lower Upper

75 100

77 31.2 25.6 38.4

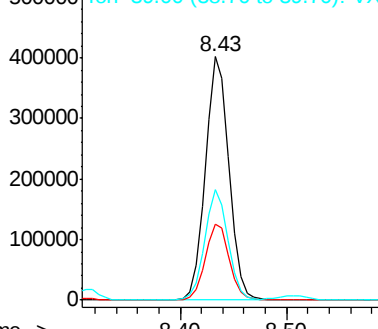
39 45.4 36.5 54.7



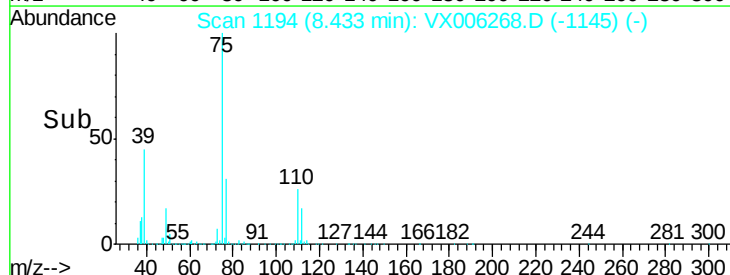
Abundance Ion 74.90 (74.60 to 75.60): VX0

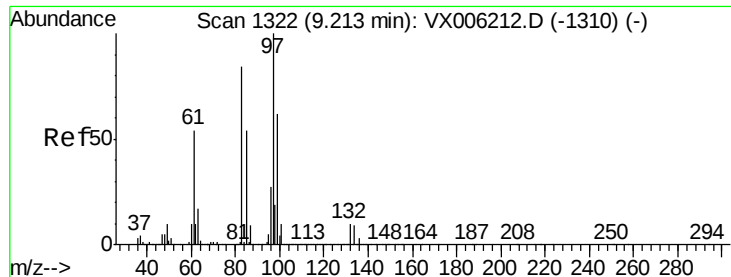
Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0



Time--> 8.40 8.50





#55

1,1,2-Trichloroethane

Concen: 56.200 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX006268.D

Acq: 04 Dec 2018 10:14

Instrument :

MSVOA_X

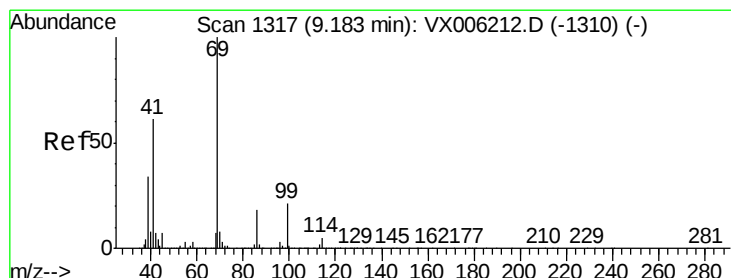
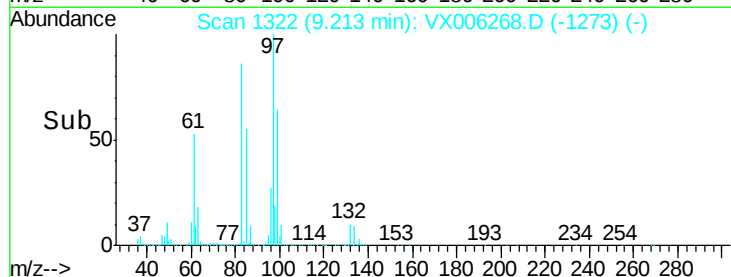
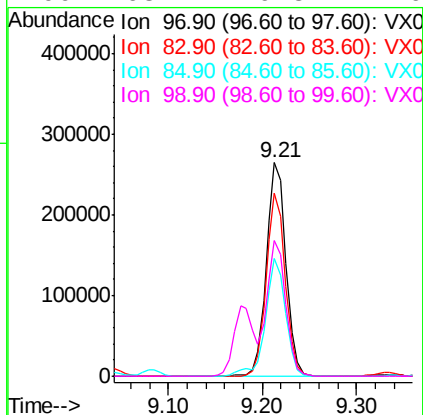
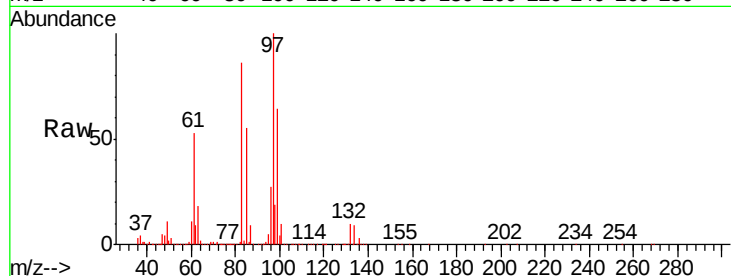
ClientSampleId :

VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.6	67.1	100.7
85	55.2	43.2	64.8
99	63.7	49.8	74.6

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#56

Ethyl methacrylate

Concen: 54.196 ug/l

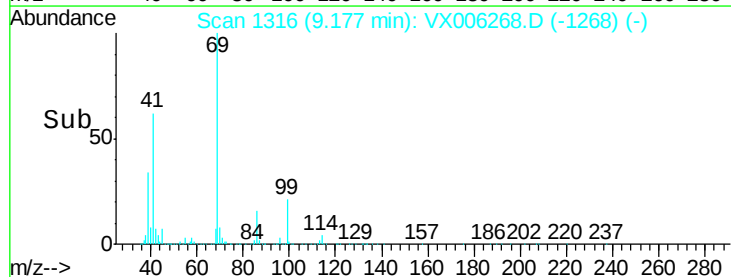
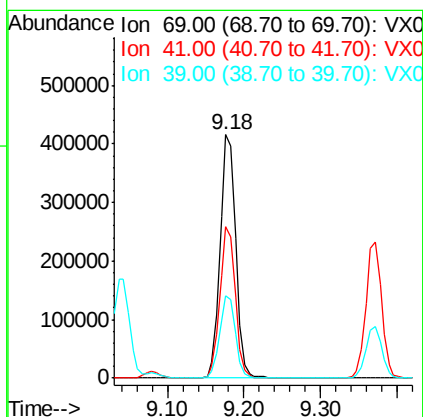
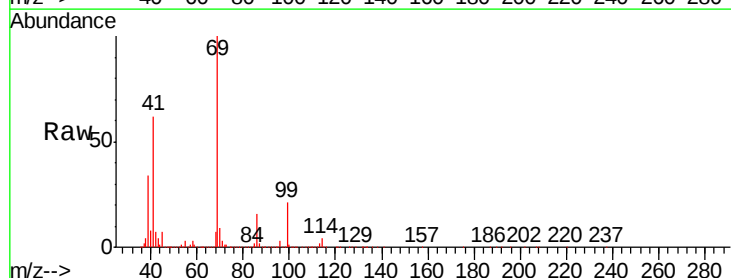
RT: 9.18 min Scan# 1316

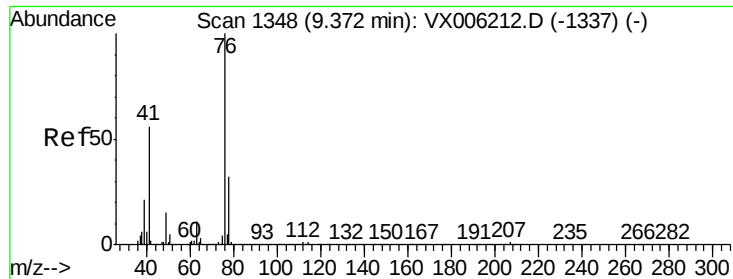
Delta R.T. -0.01 min

Lab File: VX006268.D

Acq: 04 Dec 2018 10:14

Tgt Ion	Ratio	Lower	Upper
69	100		
41	61.5	50.6	76.0
39	33.8	27.6	41.4





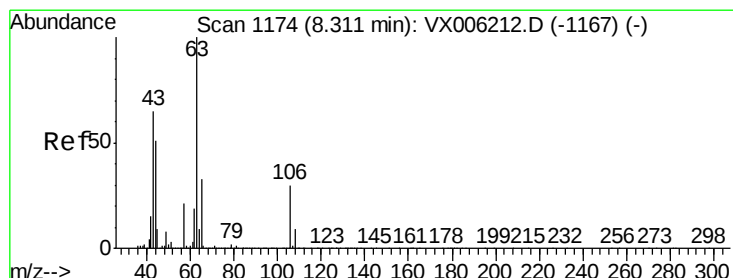
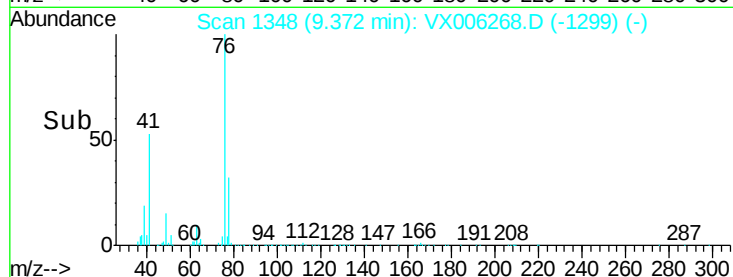
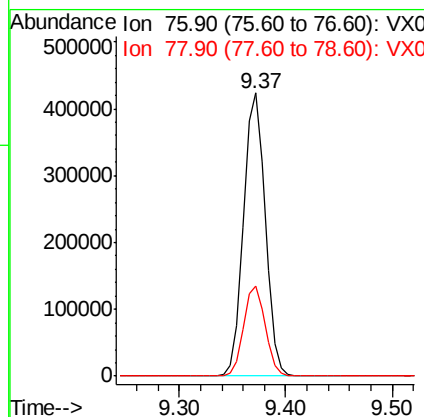
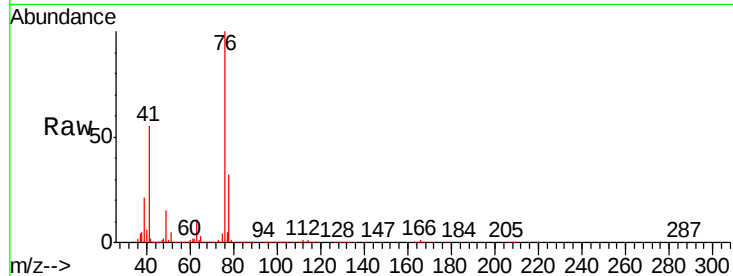
#57
 1,3-Dichloropropane
 Concen: 56.090 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX006268.D
 Acq: 04 Dec 2018 10:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 76 Resp: 612169
 Ion Ratio Lower Upper
 76 100
 78 31.7 26.1 39.1

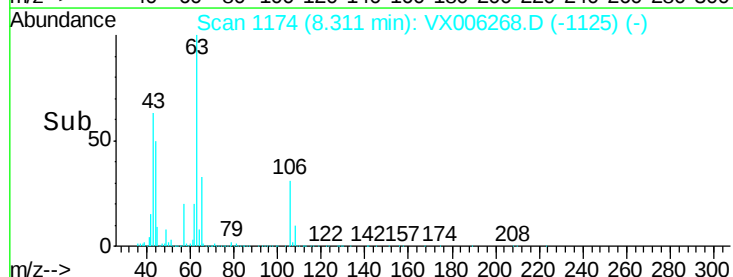
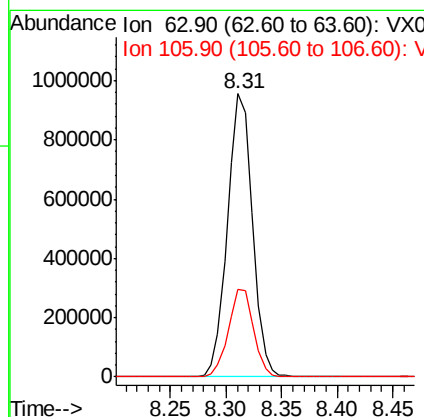
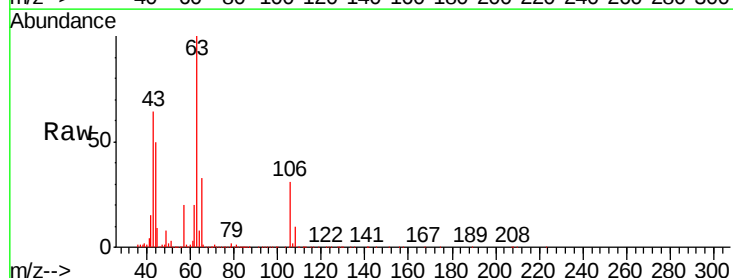
Manual Integrations
 APPROVED

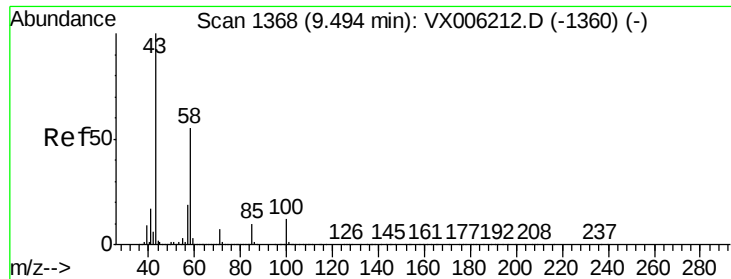
MMDadoda
 12/5/2018 10:11:22 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 271.097 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX006268.D
 Acq: 04 Dec 2018 10:14

Tgt Ion: 63 Resp: 1484360
 Ion Ratio Lower Upper
 63 100
 106 31.4 24.9 37.3





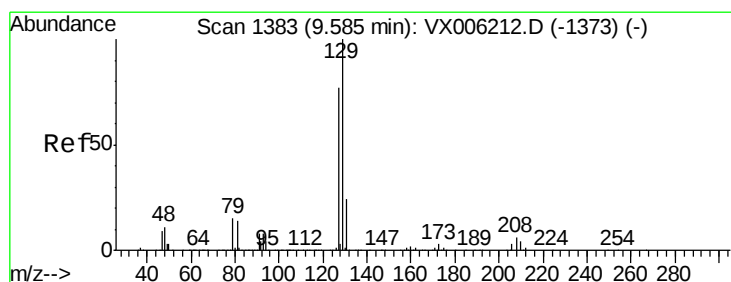
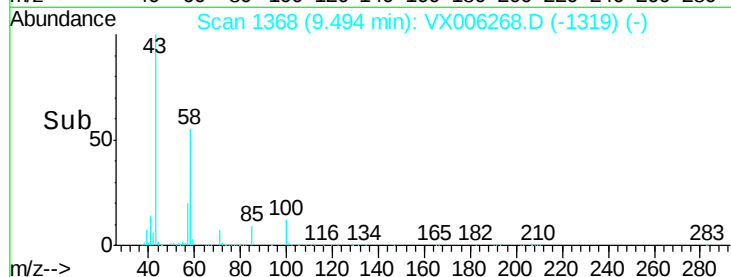
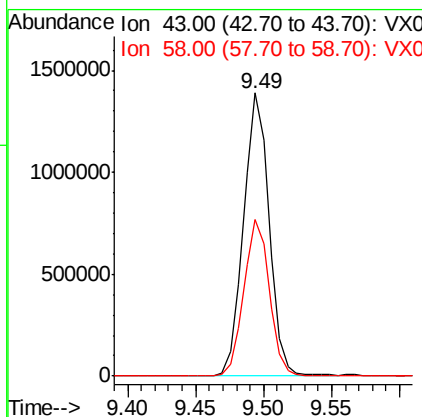
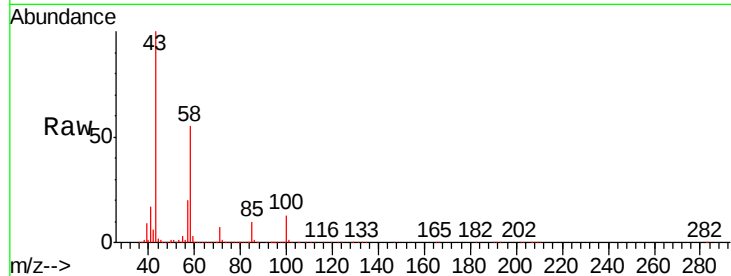
#59
2-Hexanone
Concen: 254.827 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX006268.D
Acq: 04 Dec 2018 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1824541
Ion Ratio Lower Upper
43 100
58 55.5 27.7 83.1

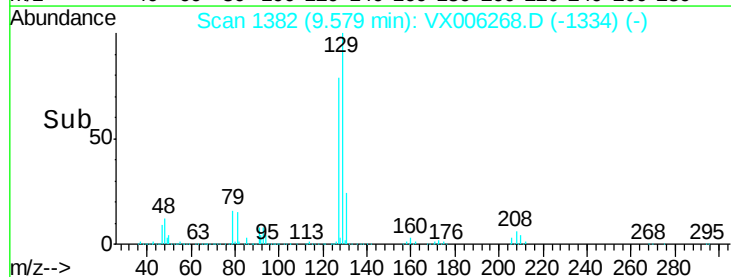
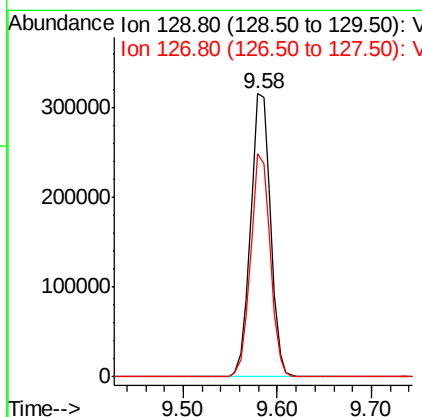
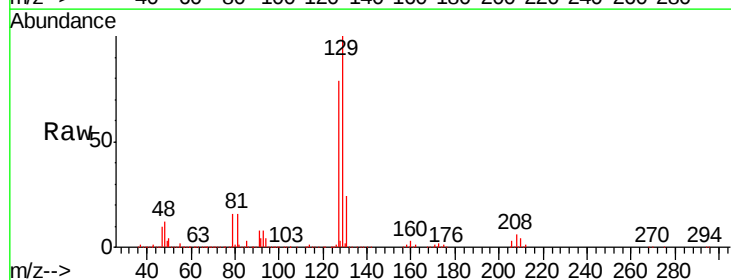
Manual Integrations
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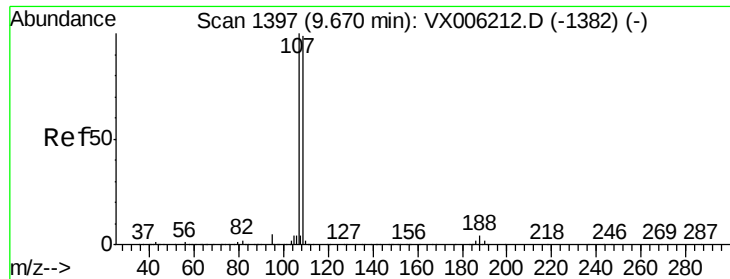
MMDadoda
12/5/2018 10:11:22 AM



#60
Dibromochloromethane
Concen: 55.294 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.01 min
Lab File: VX006268.D
Acq: 04 Dec 2018 10:14

Tgt Ion: 129 Resp: 470594
Ion Ratio Lower Upper
129 100
127 77.6 38.6 115.8





#61

1,2-Dibromoethane

Concen: 55.558 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX006268.D

Acq: 04 Dec 2018 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 107 Resp: 428762

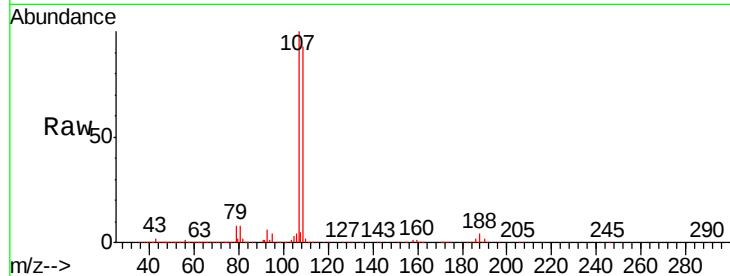
Ion Ratio Lower Upper

107 100

109 93.1 76.3 114.5

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12/5/2018 10:11:22 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

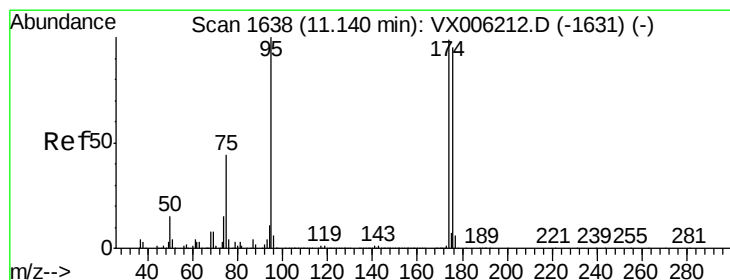
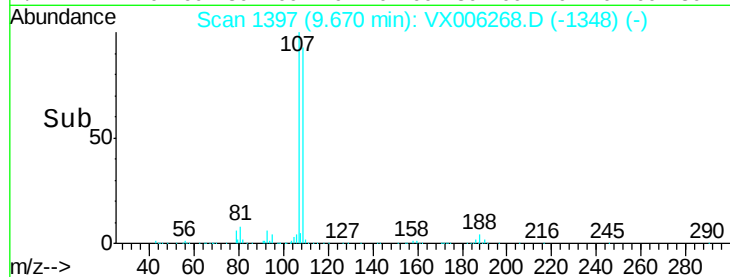
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 48.715 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.01 min

Lab File: VX006268.D

Acq: 04 Dec 2018 10:14

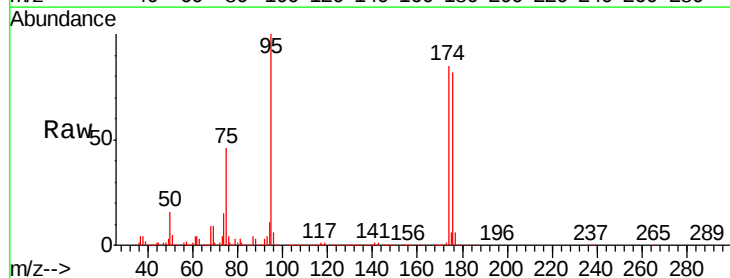
Tgt Ion: 95 Resp: 442643

Ion Ratio Lower Upper

95 100

174 91.0 0.0 187.0

176 88.8 0.0 181.8



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

11.13

400000

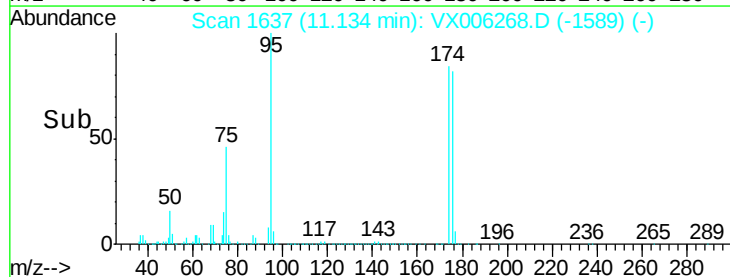
300000

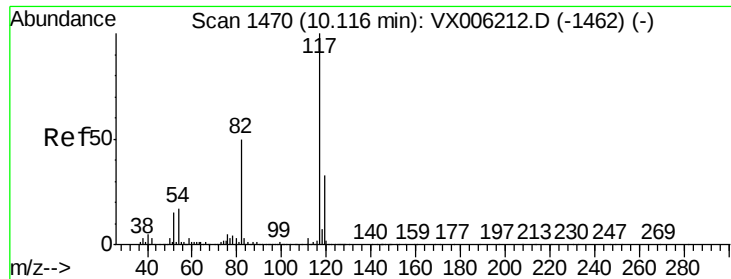
200000

100000

0

Time-->





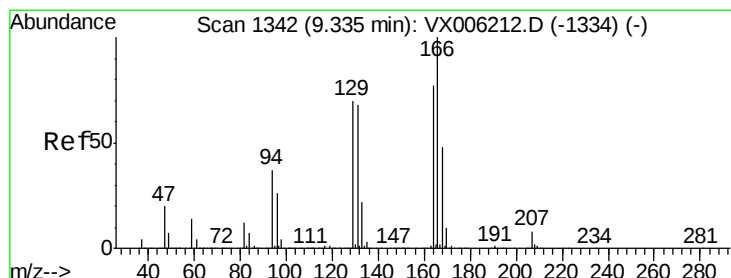
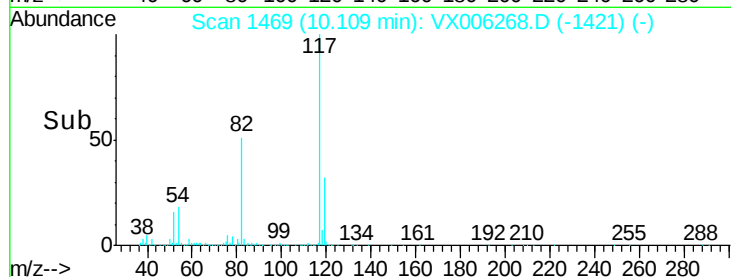
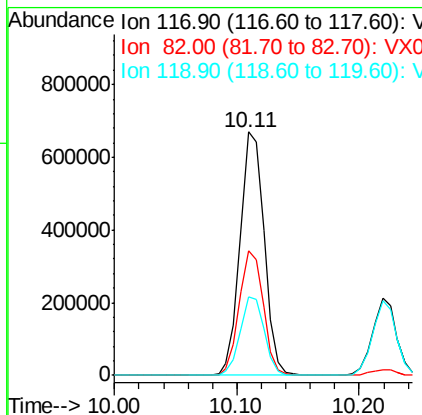
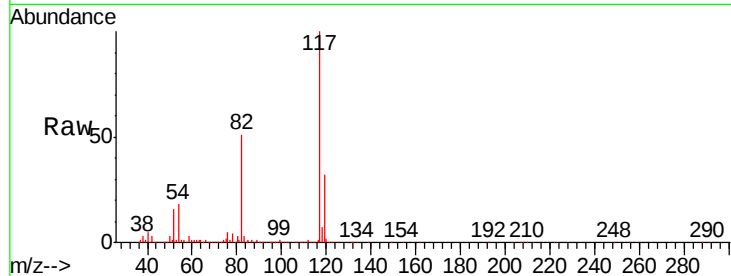
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VX006268.D
Acq: 04 Dec 2018 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.0	39.6	59.4
119	32.4	26.3	39.5

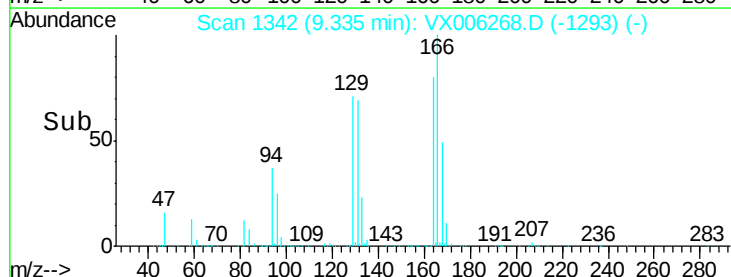
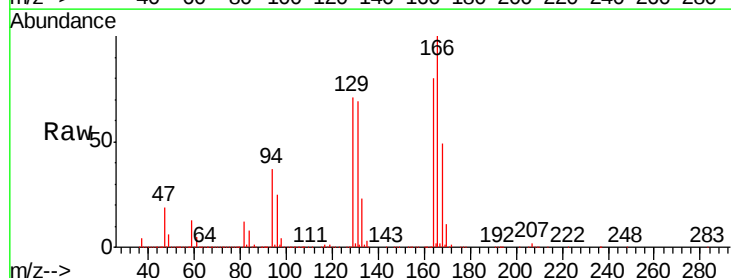
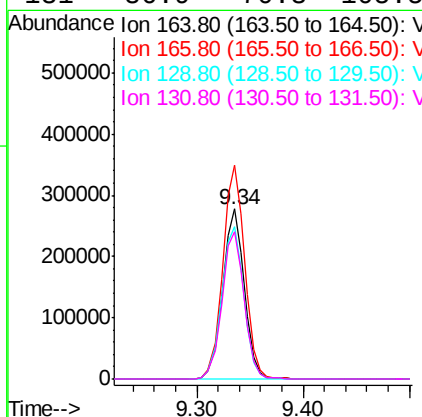
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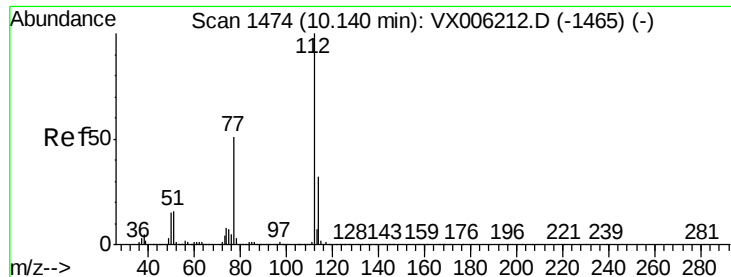
MMDadoda
12/5/2018 10:11:22 AM



#64
Tetrachloroethene
Concen: 57.205 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX006268.D
Acq: 04 Dec 2018 10:14

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.7	104.2	156.2
129	89.4	72.6	108.8
131	86.9	70.3	105.5





#65

Chlorobenzene

Concen: 57.013 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX006268.D

Acq: 04 Dec 2018 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion:112 Resp: 1106224

Ion Ratio Lower Upper

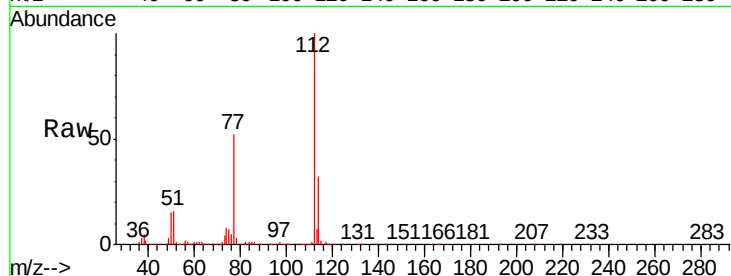
112 100

114 32.4 25.4 38.2

Manual Integrations
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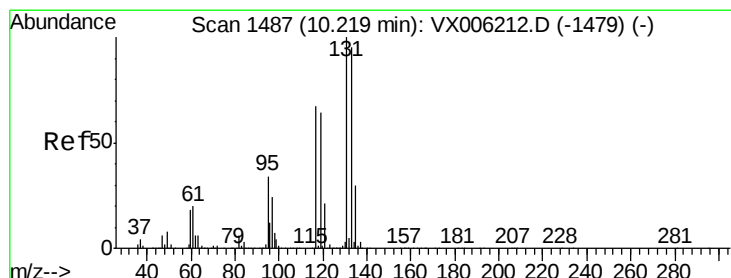
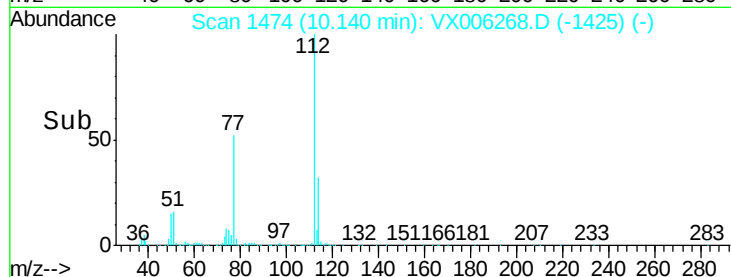
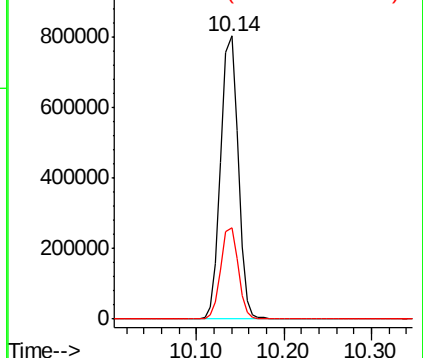
MMDadoda

12/5/2018 10:11:22 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 56.848 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX006268.D

Acq: 04 Dec 2018 10:14

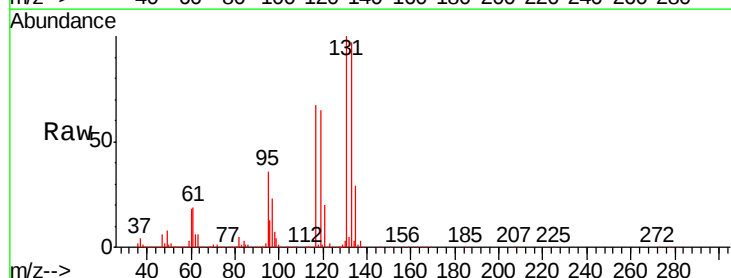
Tgt Ion:131 Resp: 428561

Ion Ratio Lower Upper

131 100

133 96.0 48.1 144.4

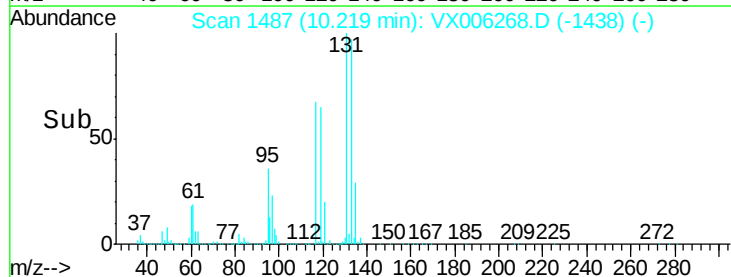
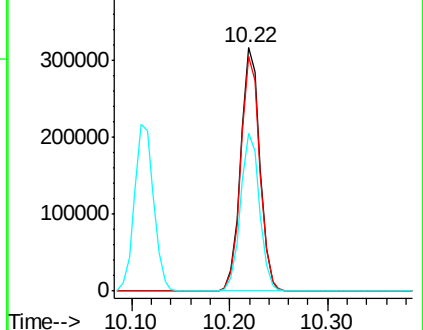
119 64.3 32.1 96.3

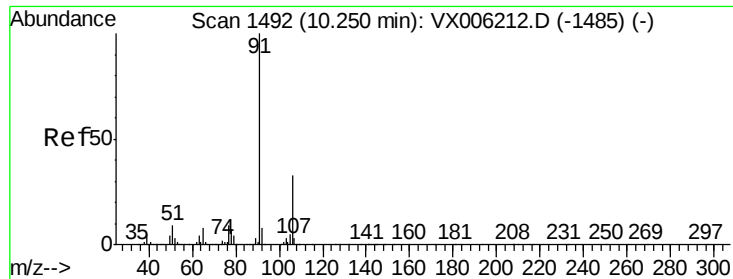


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





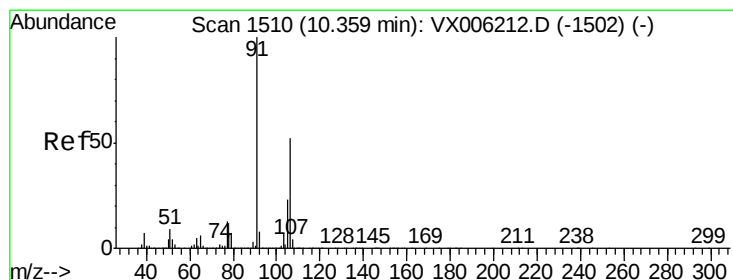
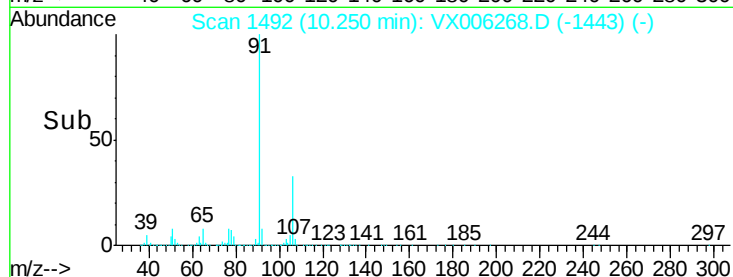
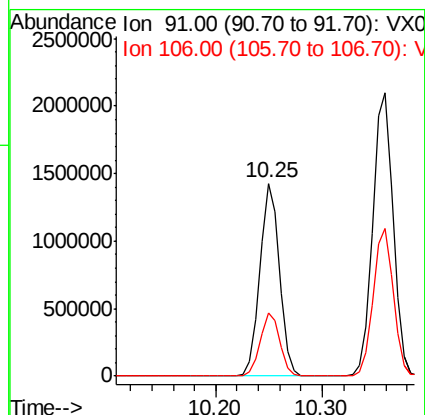
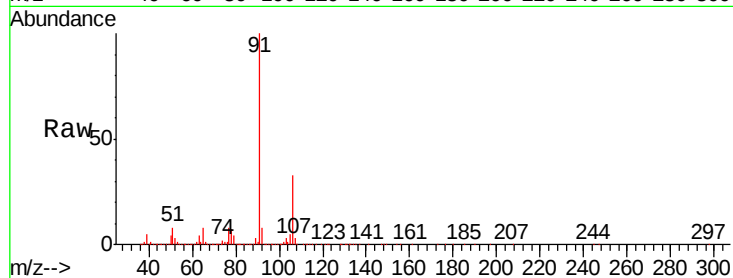
#67
Ethyl Benzene
Concen: 57.071 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX006268.D
Acq: 04 Dec 2018 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 1841715
Ion Ratio Lower Upper
91 100
106 33.1 26.5 39.7

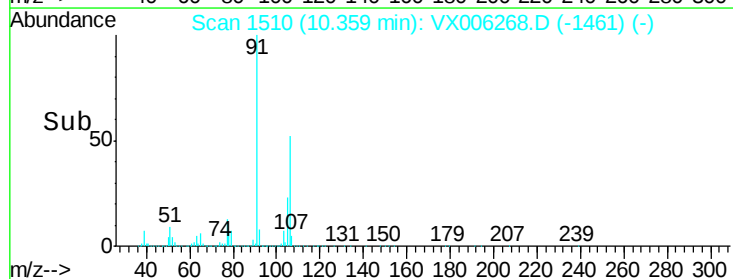
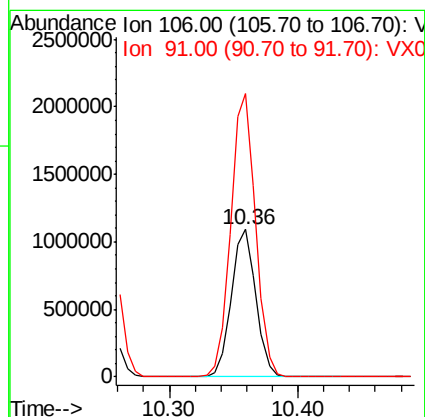
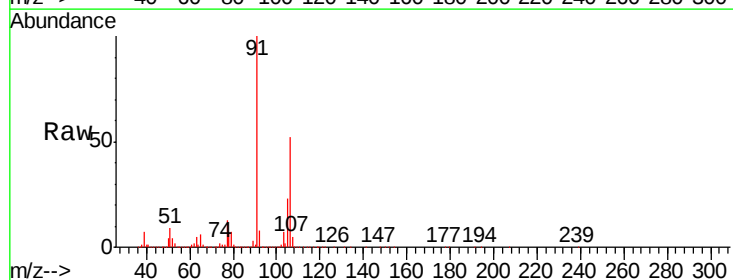
Manual Integrations
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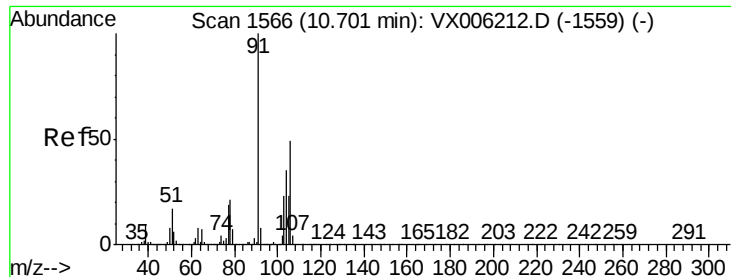
MMDadoda
12/5/2018 10:11:22 AM



#68
m/p-Xylenes
Concen: 112.757 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX006268.D
Acq: 04 Dec 2018 10:14

Tgt Ion: 106 Resp: 1457591
Ion Ratio Lower Upper
106 100
91 194.1 155.2 232.8





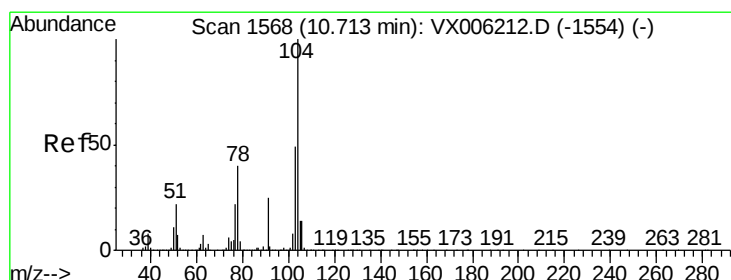
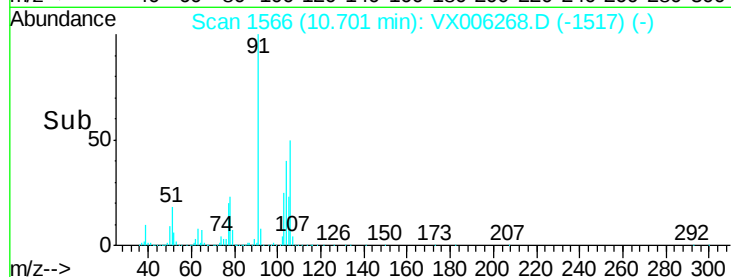
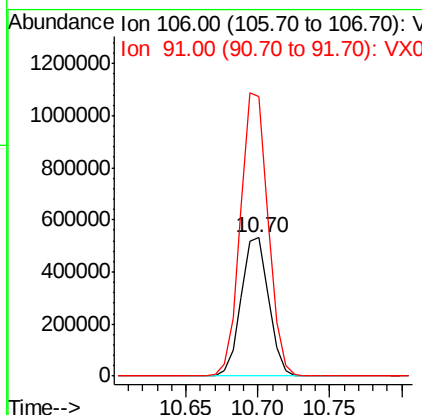
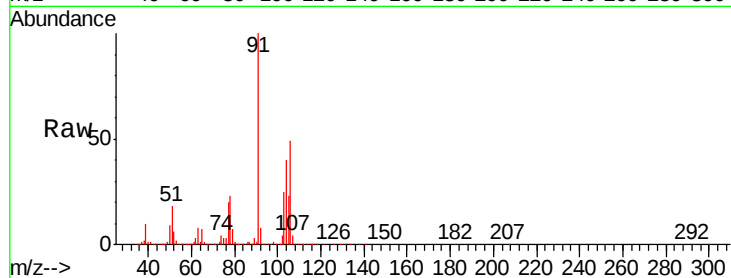
#69
o-Xylene
Concen: 55.374 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX006268.D
Acq: 04 Dec 2018 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 707043
Ion Ratio Lower Upper
106 100
91 204.7 101.8 305.6

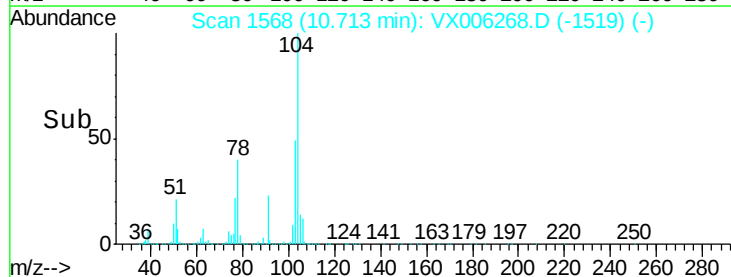
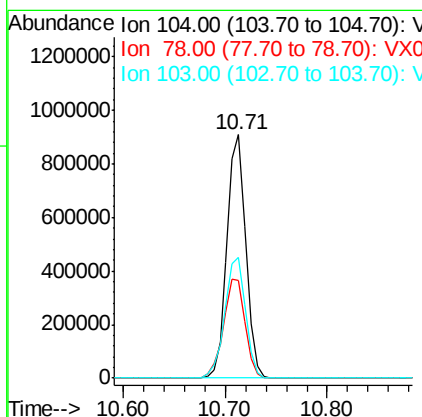
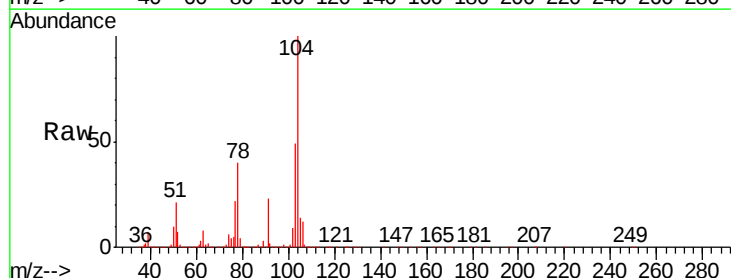
Manual Integrations
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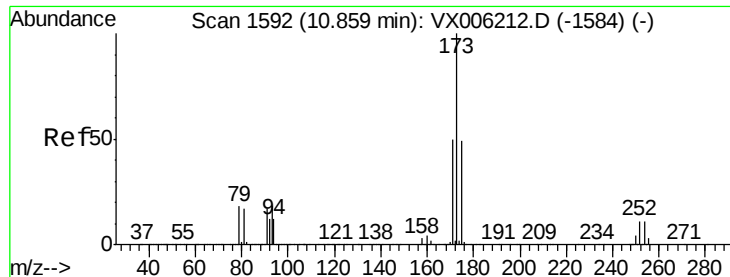
MMDadoda
12/5/2018 10:11:22 AM



#70
Styrene
Concen: 56.155 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX006268.D
Acq: 04 Dec 2018 10:14

Tgt Ion:104 Resp: 1159685
Ion Ratio Lower Upper
104 100
78 47.0 37.2 55.8
103 55.0 43.5 65.3





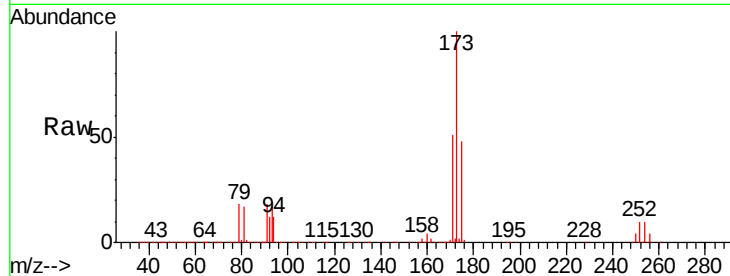
#71
Bromoform
Concen: 53.915 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VX006268.D
Acq: 04 Dec 2018 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

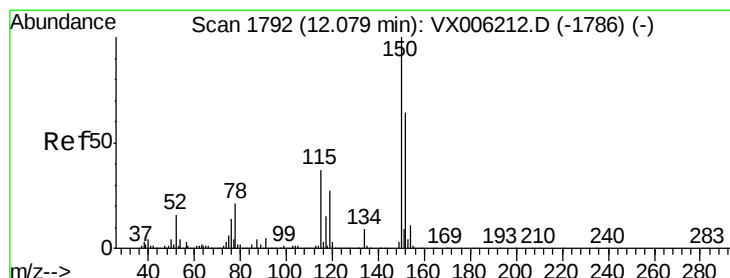
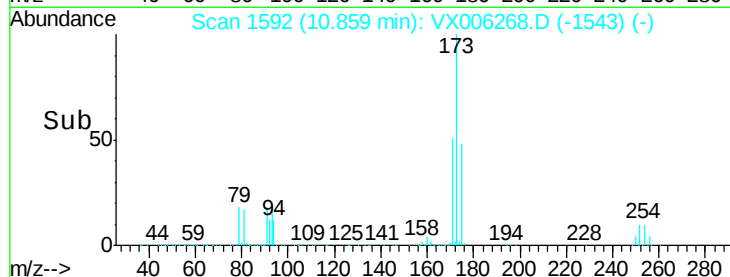
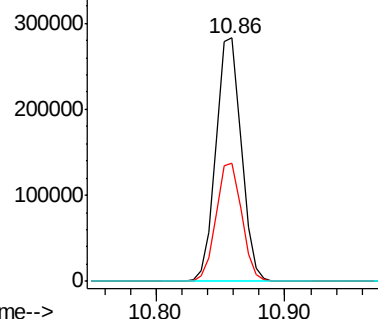
Tgt Ion	Ratio	Resp	Lower	Upper
173	100	383682		
175	48.9	24.6	73.8	
254	0.2	0.2	0.2	

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12/5/2018 10:11:22 AM

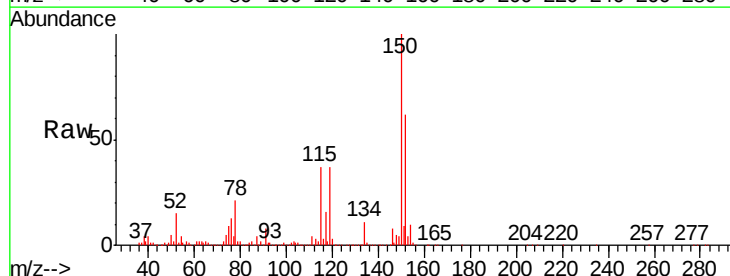


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

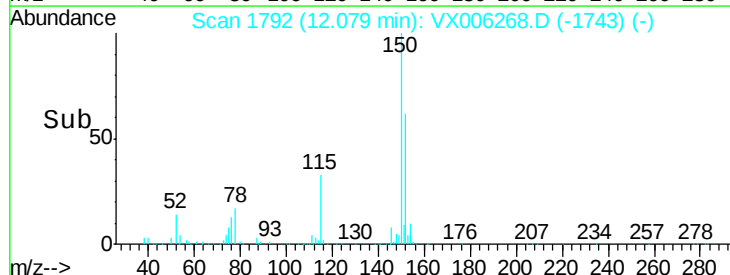
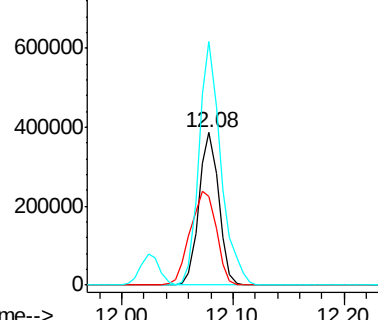


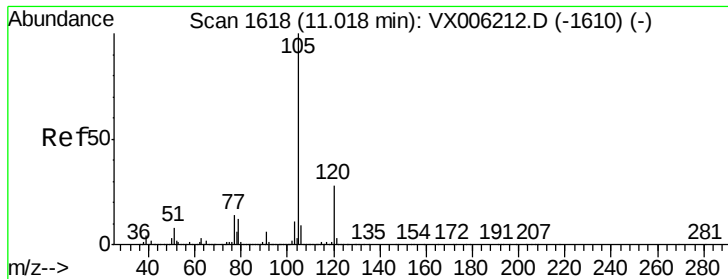
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006268.D
Acq: 04 Dec 2018 10:14

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	475299		
115	81.6	39.0	116.9	
150	176.3	0.0	345.8	



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





#73

Isopropylbenzene

Concen: 57.643 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX006268.D

Acq: 04 Dec 2018 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 105 Resp: 1892052

Ion Ratio Lower Upper

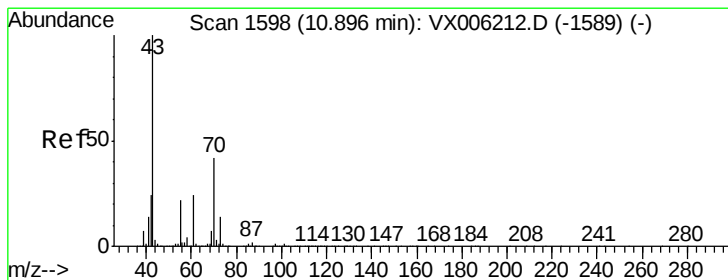
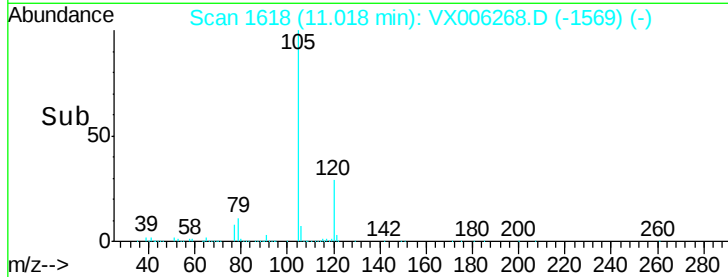
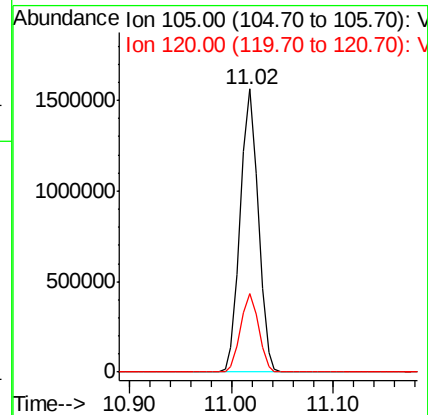
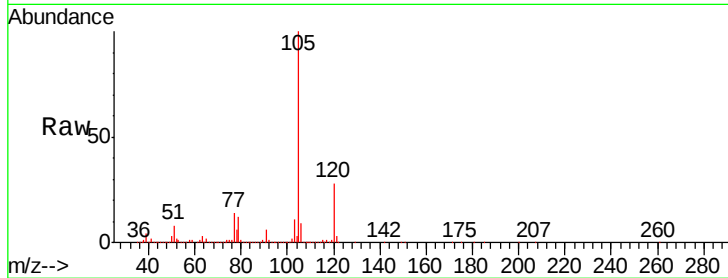
105 100

120 27.9 14.1 42.3

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#74

N-ethyl acetate

Concen: 51.758 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX006268.D

Acq: 04 Dec 2018 10:14

Tgt Ion: 43 Resp: 731579

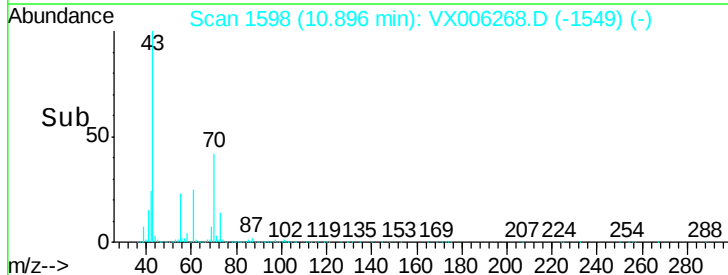
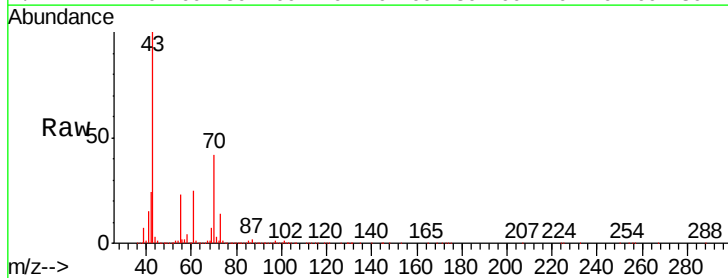
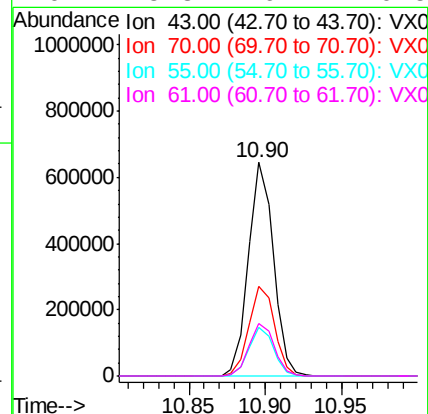
Ion Ratio Lower Upper

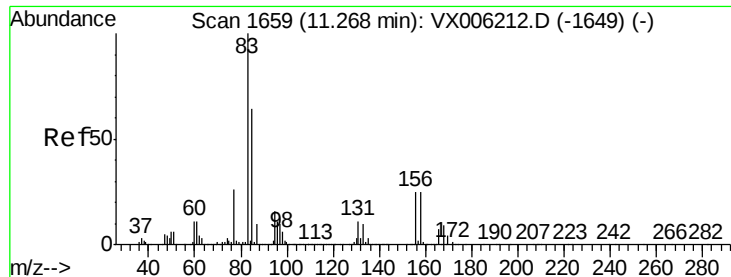
43 100

70 43.1 34.1 51.1

55 22.9 17.8 26.8

61 25.3 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 53.462 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX006268.D

Acq: 04 Dec 2018 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 561398

Ion Ratio Lower Upper

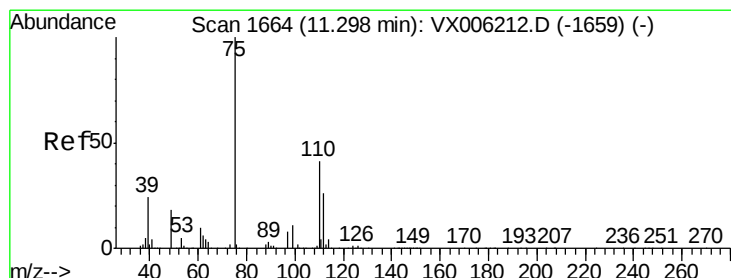
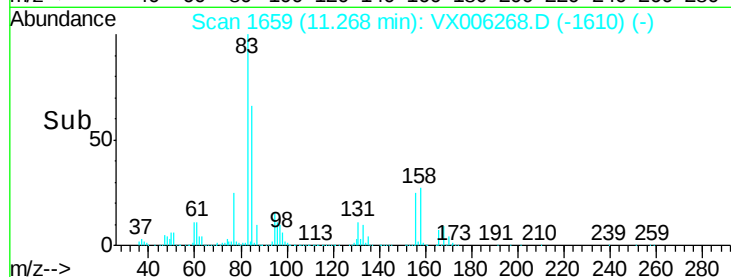
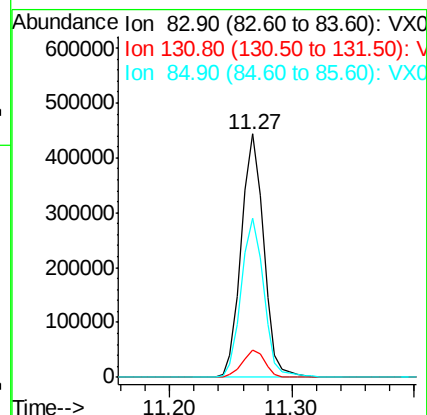
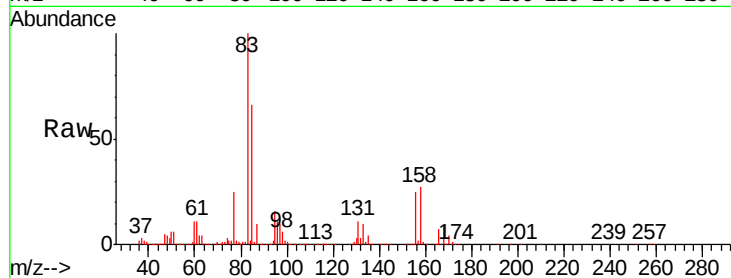
83 100

131 11.3 5.7 17.1

85 65.9 32.1 96.5

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#76

1,2,3-Trichloropropane

Concen: 58.865 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX006268.D

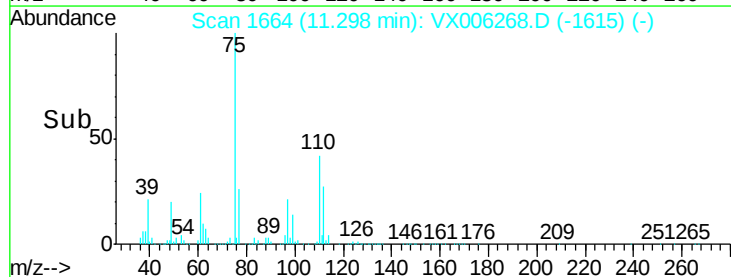
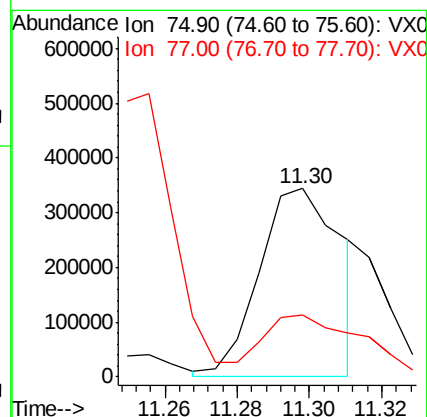
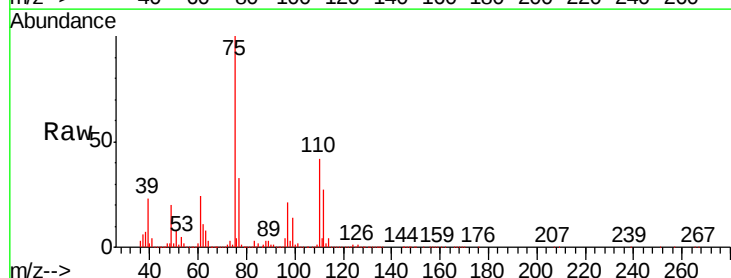
Acq: 04 Dec 2018 10:14

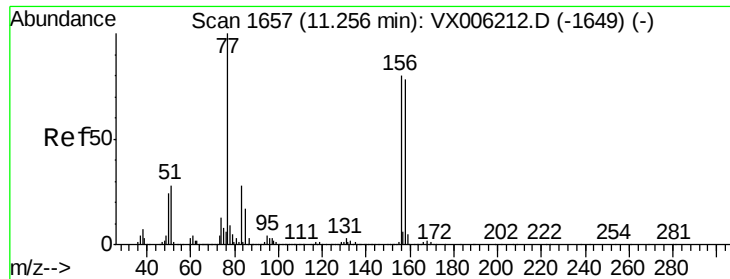
Tgt Ion: 75 Resp: 540034

Ion Ratio Lower Upper

75 100

77 39.5 19.9 59.7





#77

Bromobenzene

Concen: 55.623 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX006268.D

Acq: 04 Dec 2018 10:14

Instrument :

MSVOA_X

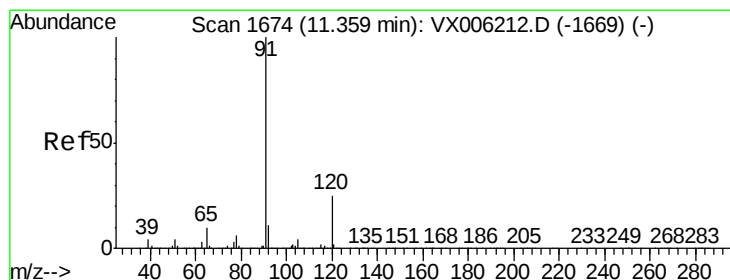
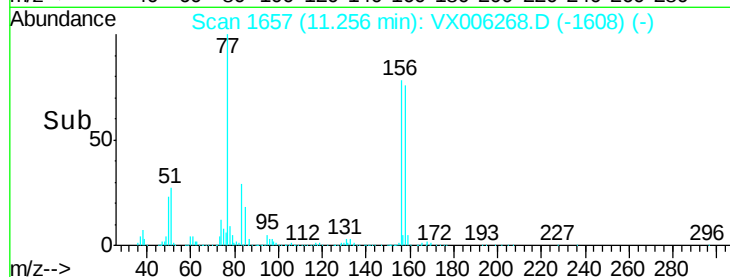
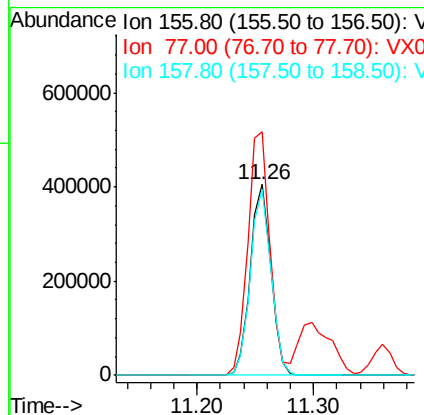
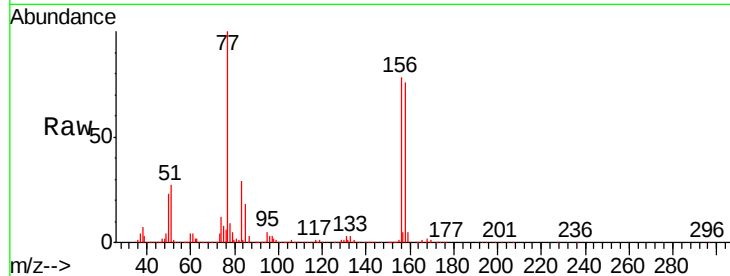
ClientSampleId :

VSTDCCC050

Tgt Ion:	156	Resp:	506672
Ion Ratio	Lower	Upper	
156	100		
77	135.9	66.2	198.6
158	97.5	48.8	146.4

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#78

n-propylbenzene

Concen: 58.095 ug/l

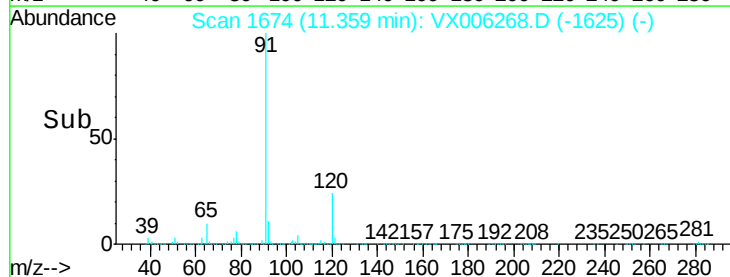
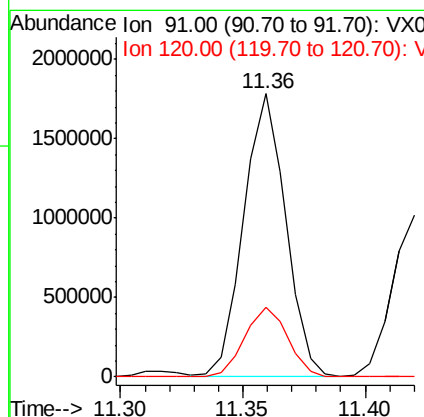
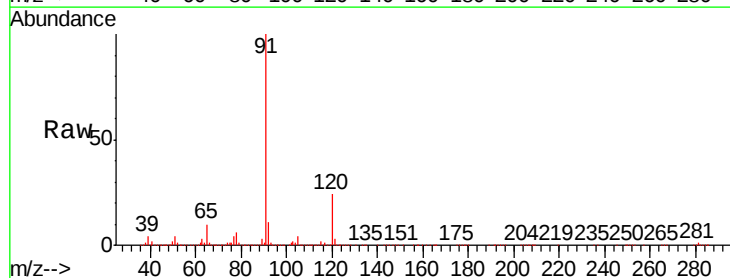
RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX006268.D

Acq: 04 Dec 2018 10:14

Tgt Ion:	91	Resp:	2119671
Ion Ratio	Lower	Upper	
91	100		
120	25.3	12.7	38.0





#79

2-Chlorotoluene

Concen: 57.255 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX006268.D

Acq: 04 Dec 2018 10:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 1241641

Ion Ratio Lower Upper

91 100

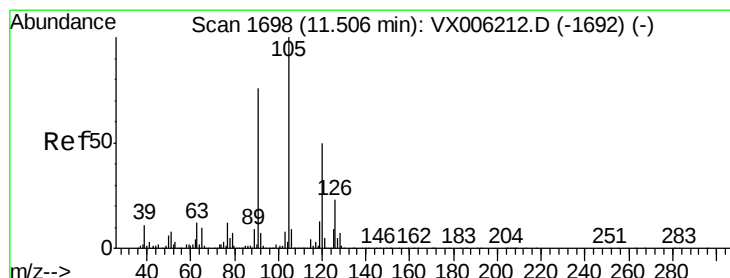
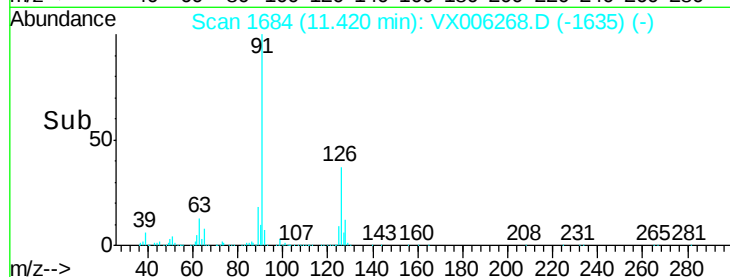
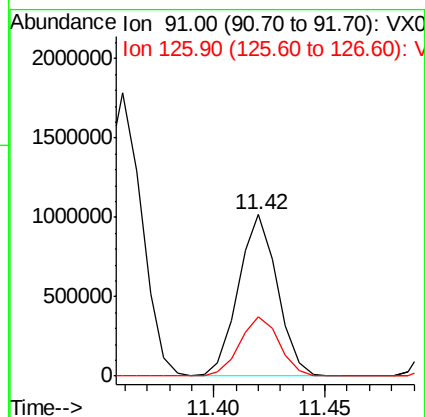
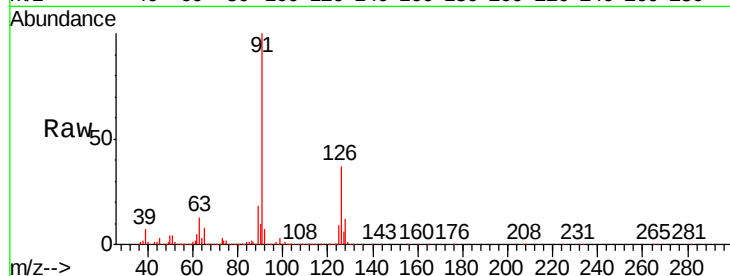
126 37.5 18.6 56.0

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#80

1,3,5-Trimethylbenzene

Concen: 56.957 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX006268.D

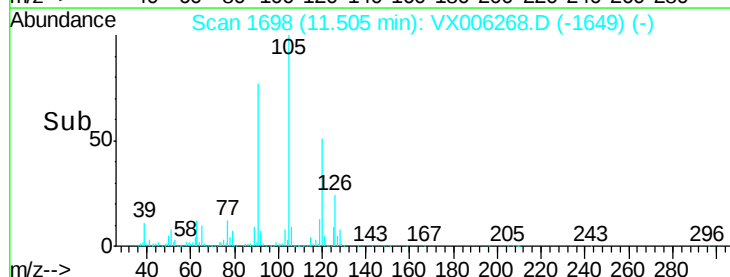
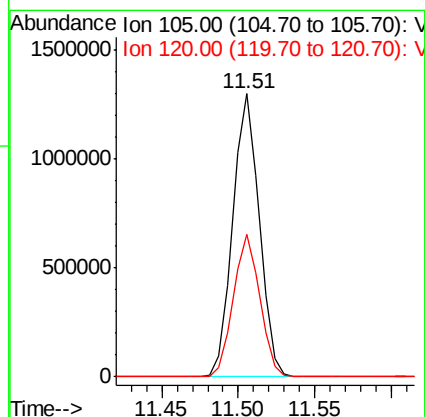
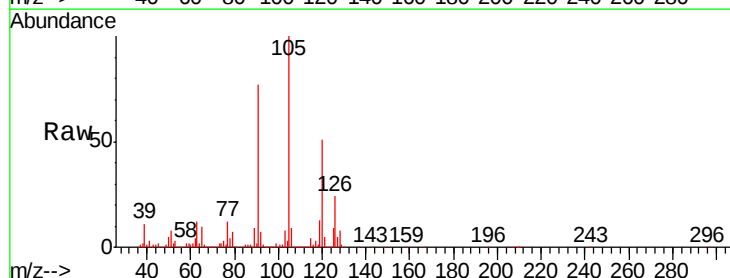
Acq: 04 Dec 2018 10:14

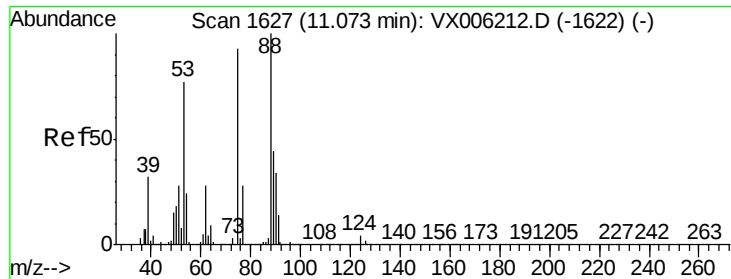
Tgt Ion: 105 Resp: 1555513

Ion Ratio Lower Upper

105 100

120 50.4 25.4 76.0





#81

trans-1,4-Dichloro-2-butene

Concen: 53.429 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX006268.D

Acq: 04 Dec 2018 10:14

Instrument :

MSVOA_X

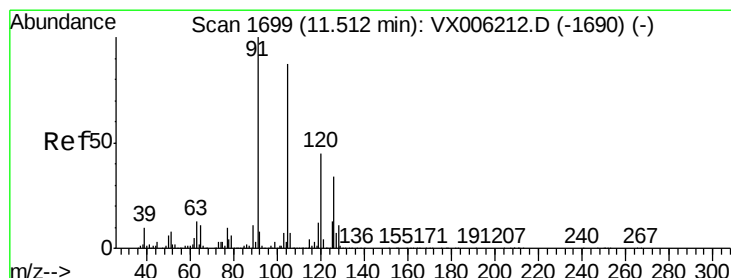
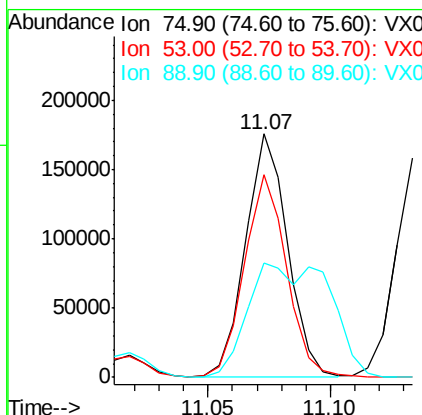
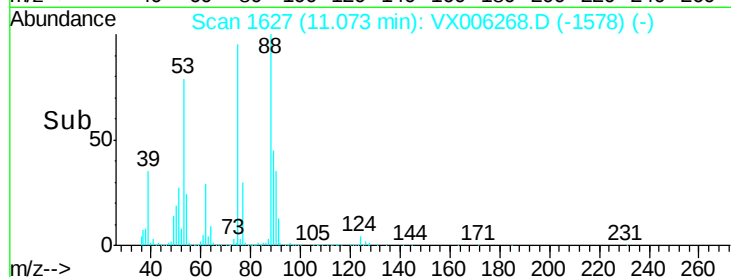
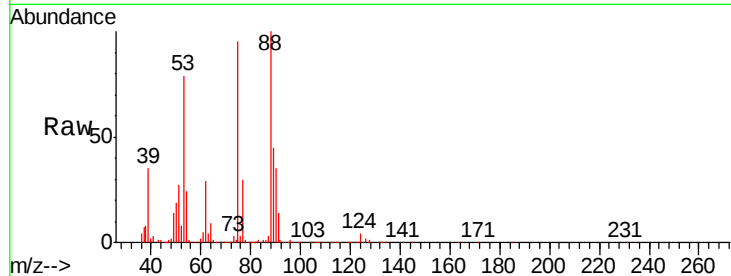
ClientSampleId :

VSTDCCC050

Tgt Ion:	75	Resp:	208871
Ion Ratio	Lower	Upper	
75	100		
53	83.8	64.4	96.6
89	92.3	44.2	66.4#

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#82

4-Chlorotoluene

Concen: 56.883 ug/l

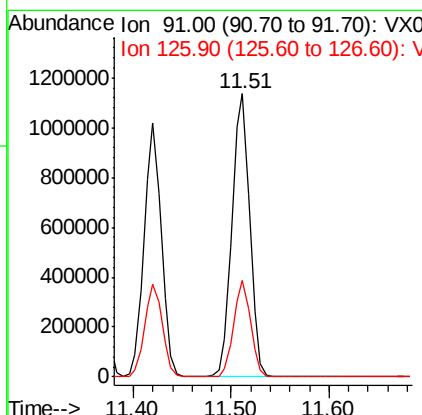
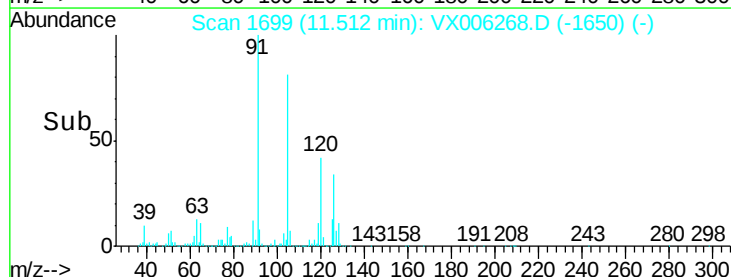
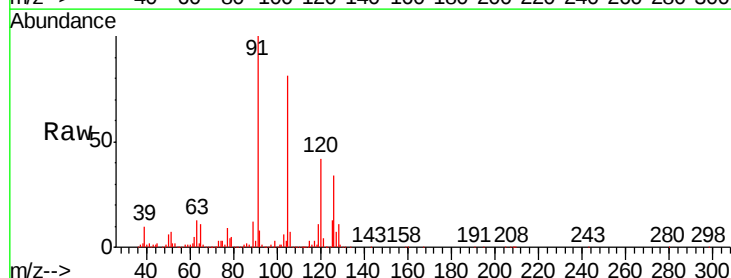
RT: 11.51 min Scan# 1699

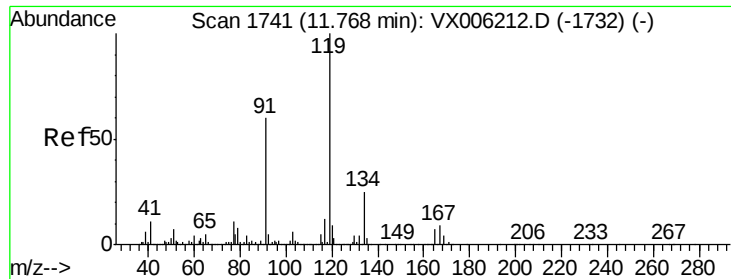
Delta R.T. -0.00 min

Lab File: VX006268.D

Acq: 04 Dec 2018 10:14

Tgt Ion:	91	Resp:	1434228
Ion Ratio	Lower	Upper	
91	100		
126	32.5	16.4	49.4





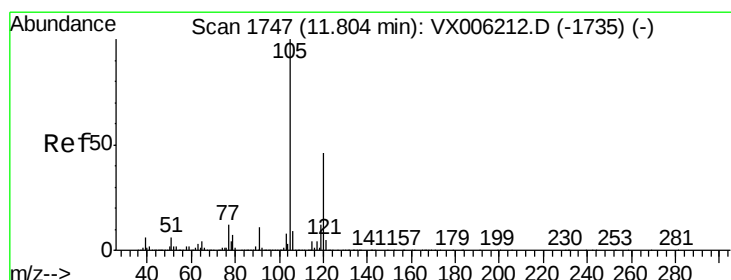
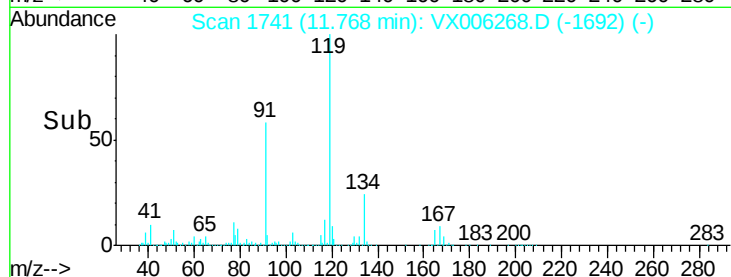
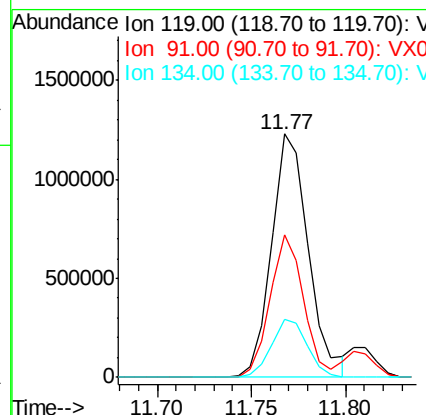
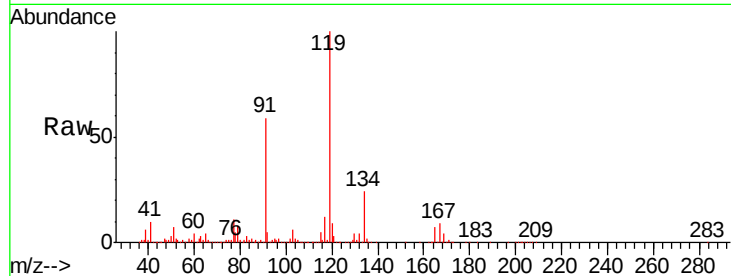
#83
 tert-Butylbenzene
 Concen: 57.226 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX006268.D
 Acq: 04 Dec 2018 10:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
119	100		
91	53.0	26.4	79.2
134	22.9	11.6	34.7

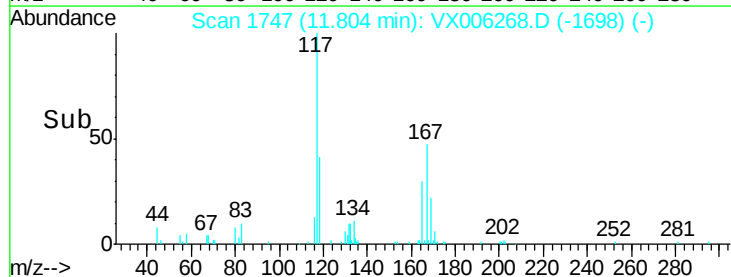
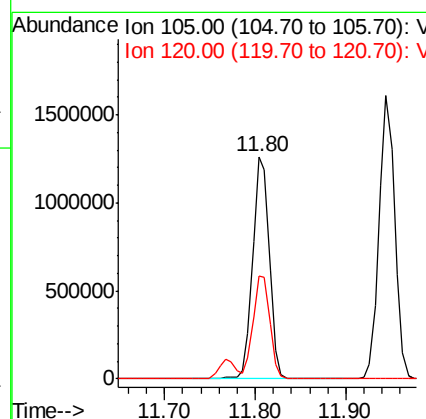
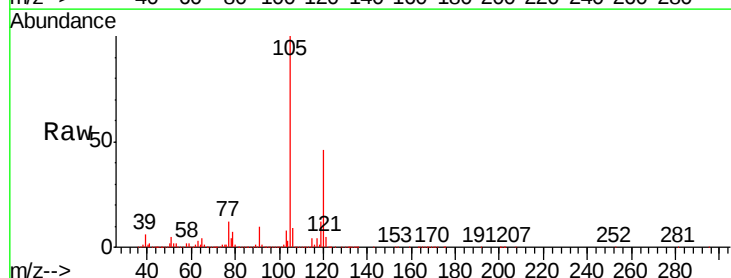
Manual Integrations
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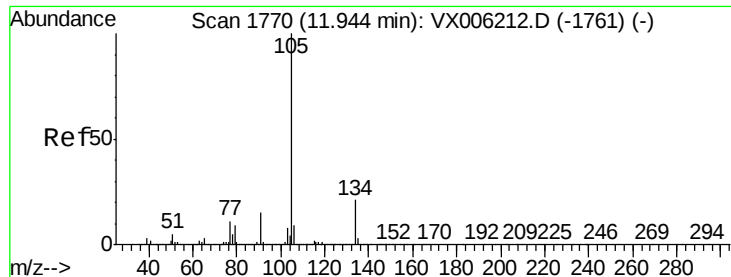
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 56.802 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX006268.D
 Acq: 04 Dec 2018 10:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	23.4	70.0





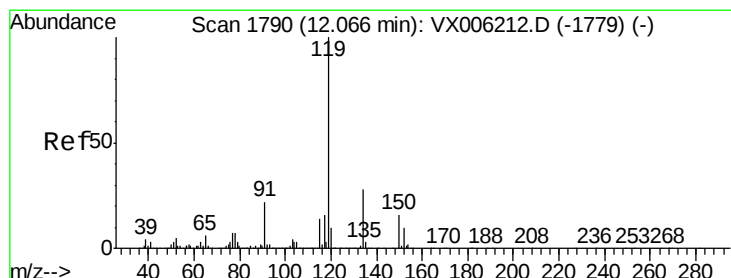
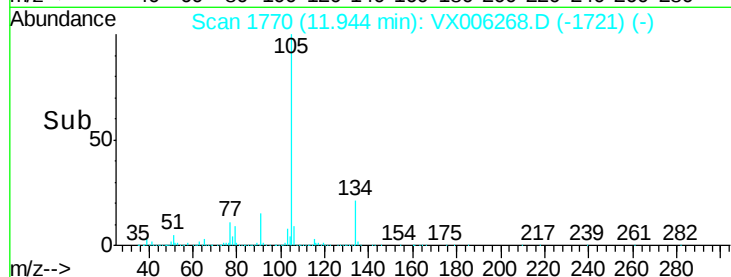
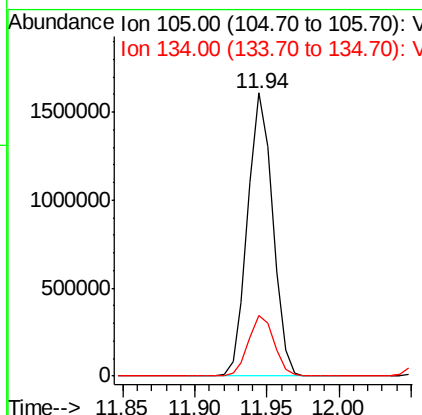
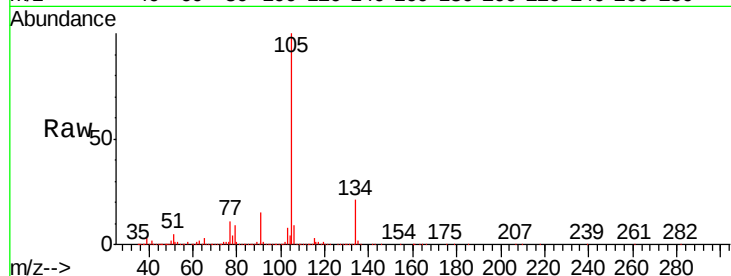
#85
 sec-Butylbenzene
 Concen: 58.286 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX006268.D
 Acq: 04 Dec 2018 10:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion:105 Resp: 1932160
 Ion Ratio Lower Upper
 105 100
 134 21.7 10.8 32.4

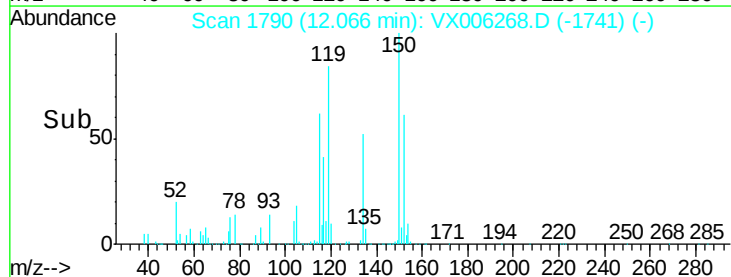
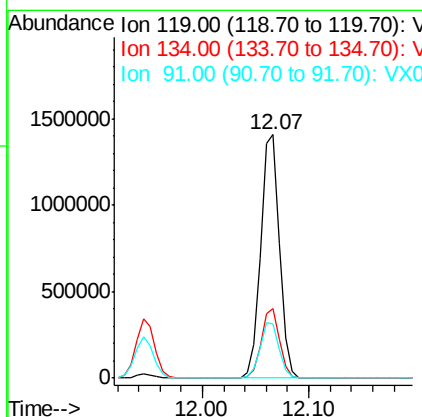
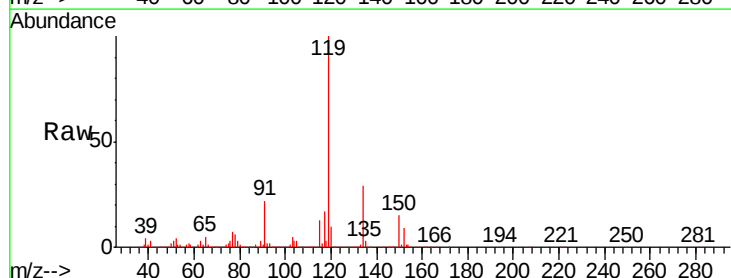
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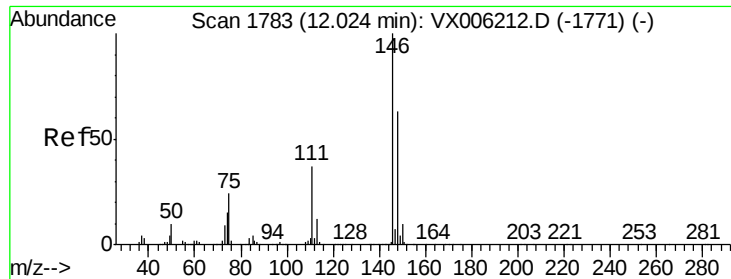
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 58.233 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX006268.D
 Acq: 04 Dec 2018 10:14

Tgt Ion:119 Resp: 1738250
 Ion Ratio Lower Upper
 119 100
 134 27.9 13.9 41.6
 91 22.7 11.3 33.8





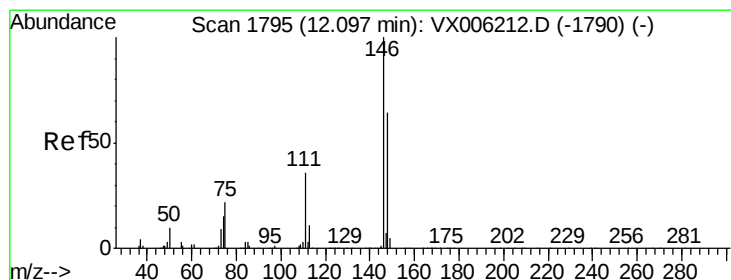
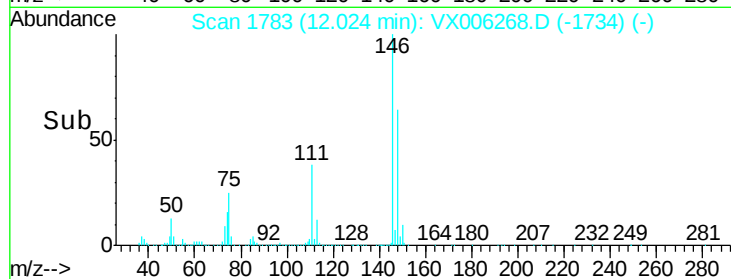
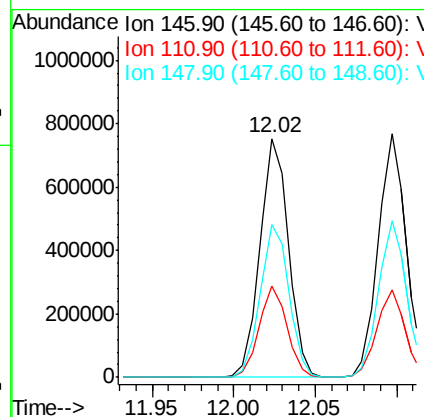
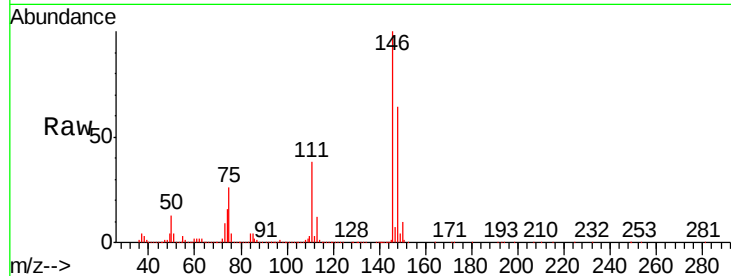
#87
 1,3-Dichlorobenzene
 Concen: 56.749 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX006268.D
 Acq: 04 Dec 2018 10:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.4	55.2
148	64.3	32.0	96.0

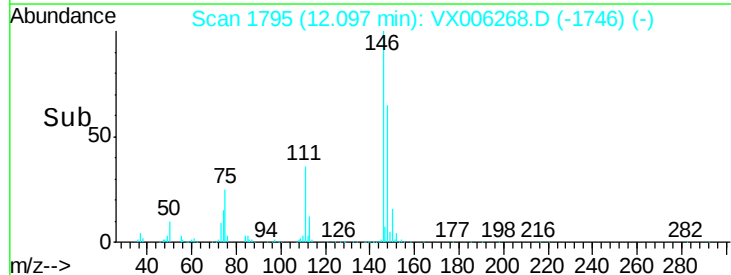
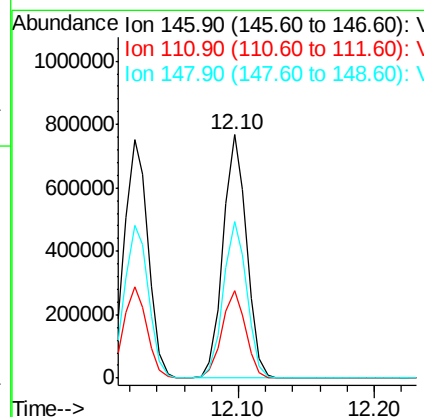
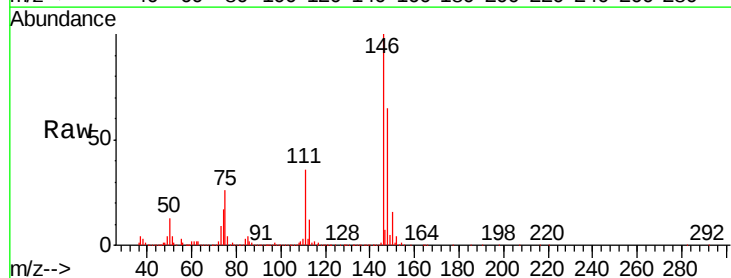
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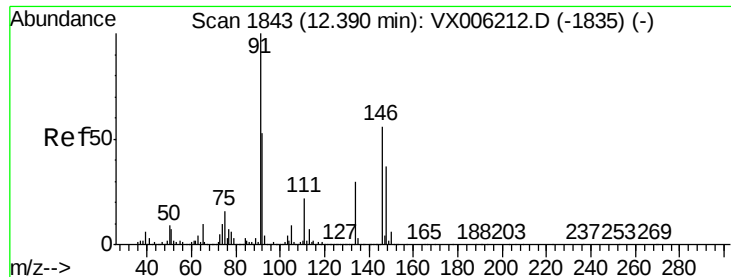
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 55.794 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX006268.D
 Acq: 04 Dec 2018 10:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.3	54.8
148	64.5	31.9	95.9





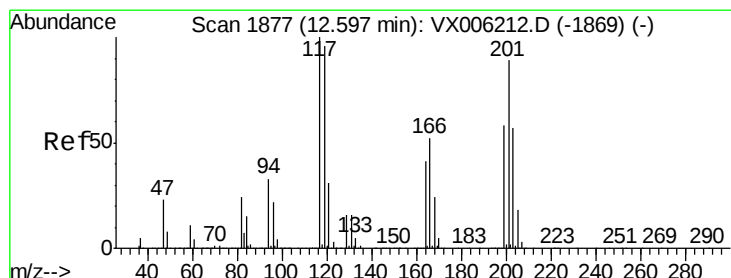
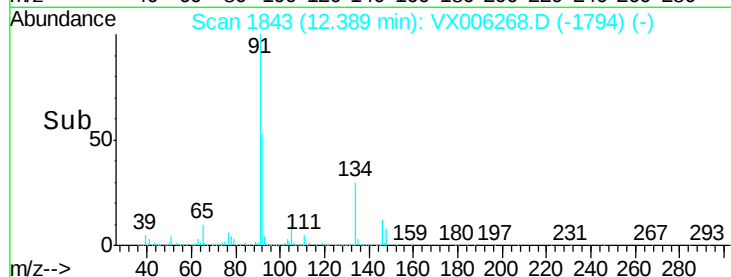
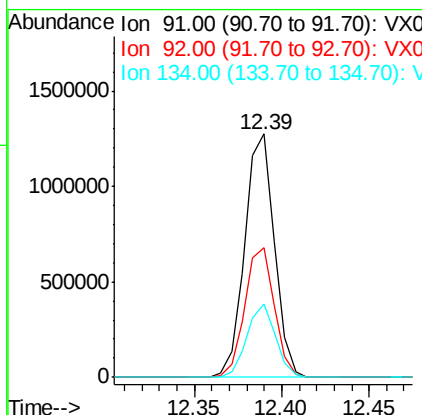
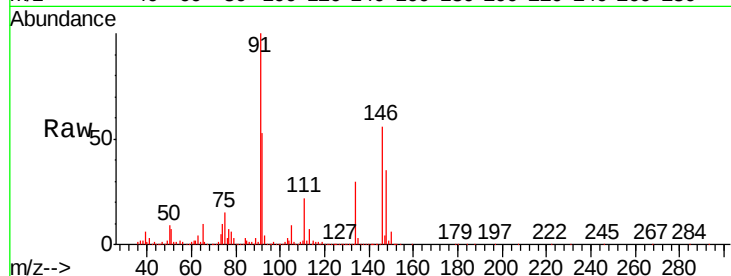
#89
n-Butylbenzene
Concen: 58.970 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX006268.D
Acq: 04 Dec 2018 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 1501937
Ion Ratio Lower Upper
91 100
92 53.4 26.6 79.8
134 29.1 14.8 44.3

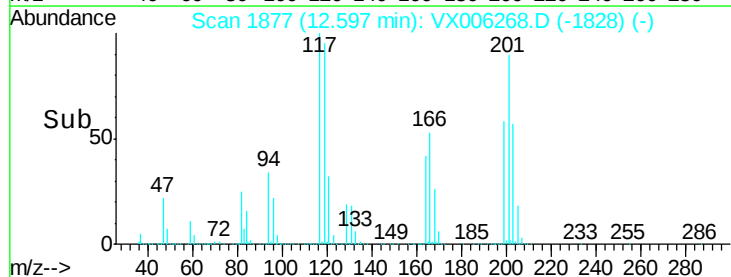
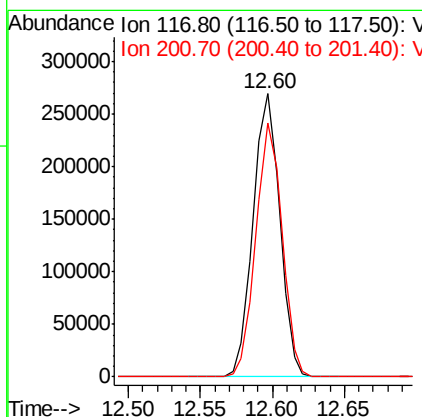
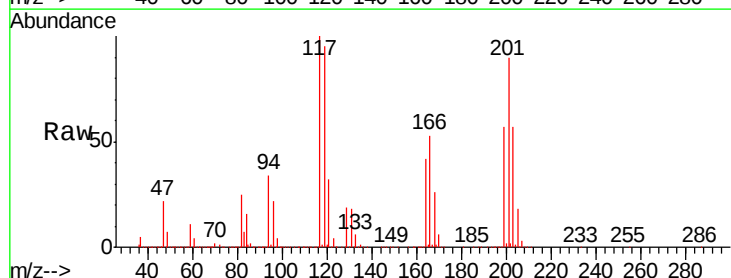
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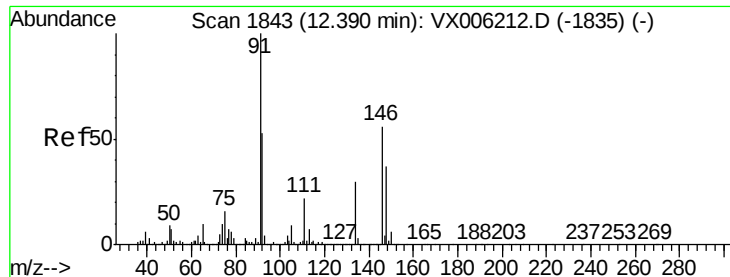
MMDadoda
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#90
Hexachloroethane
Concen: 56.498 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX006268.D
Acq: 04 Dec 2018 10:14

Tgt Ion: 117 Resp: 343720
Ion Ratio Lower Upper
117 100
201 88.3 44.7 134.1





#91

1,2-Dichlorobenzene

Concen: 55.371 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX006268.D

Acq: 04 Dec 2018 10:14

Instrument :

MSVOA_X

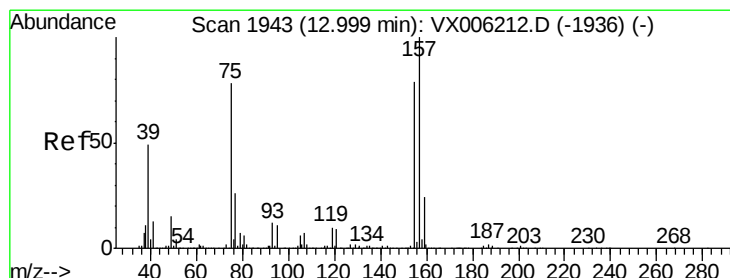
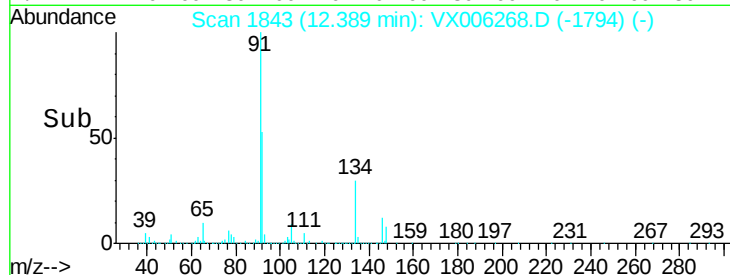
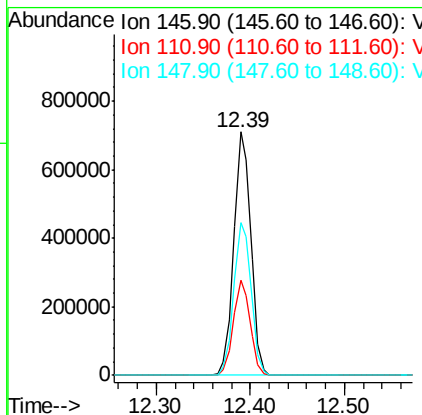
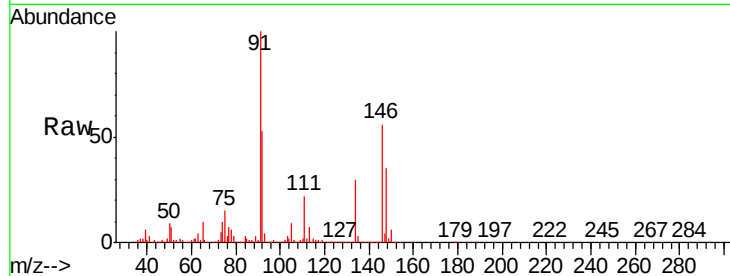
ClientSampleId :

VSTDCCC050

Tgt Ion:	146	Resp:	890714
Ion Ratio	Lower	Upper	
146	100		
111	38.6	19.1	57.3
148	63.7	32.1	96.3

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 49.711 ug/l

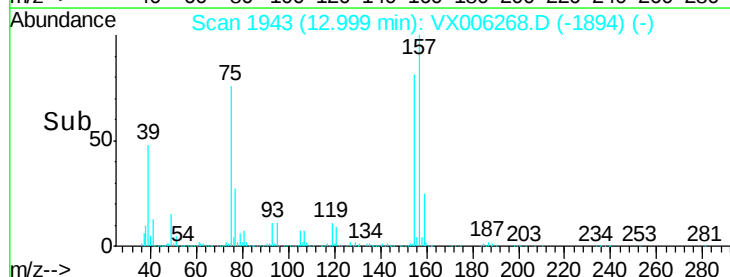
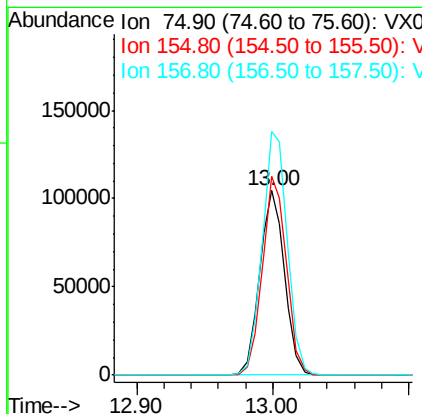
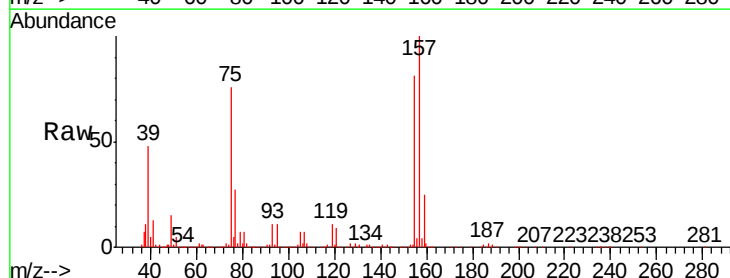
RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX006268.D

Acq: 04 Dec 2018 10:14

Tgt Ion:	75	Resp:	133813
Ion Ratio	Lower	Upper	
75	100		
155	104.5	53.4	160.3
157	134.0	68.0	203.8





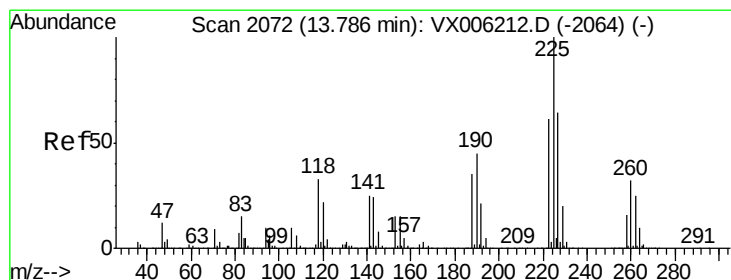
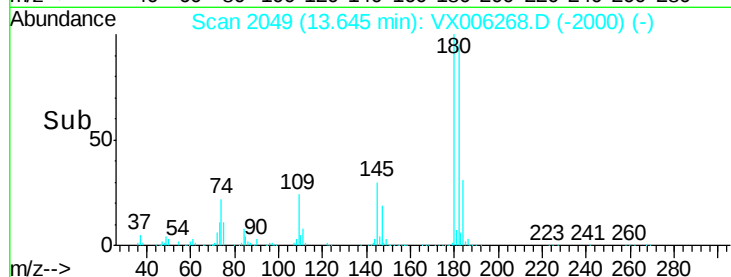
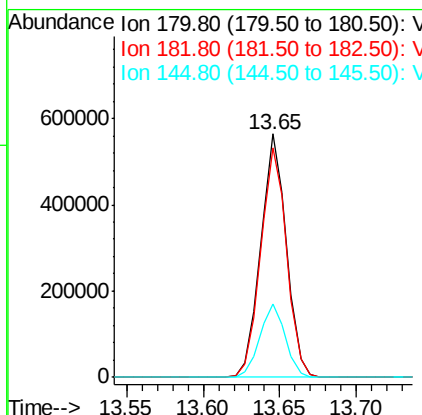
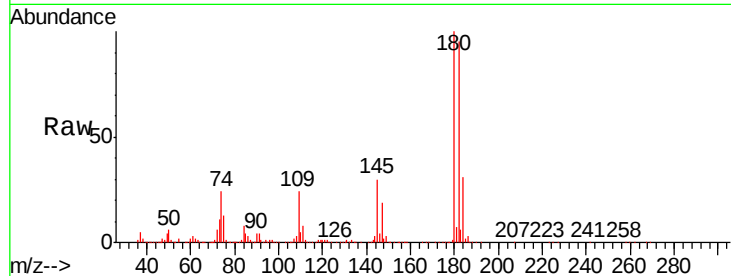
#93
 1,2,4-Trichlorobenzene
 Concen: 56.297 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX006268.D
 Acq: 04 Dec 2018 10:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	660696		
182	95.6	47.3	141.9	
145	29.8	14.6	43.8	

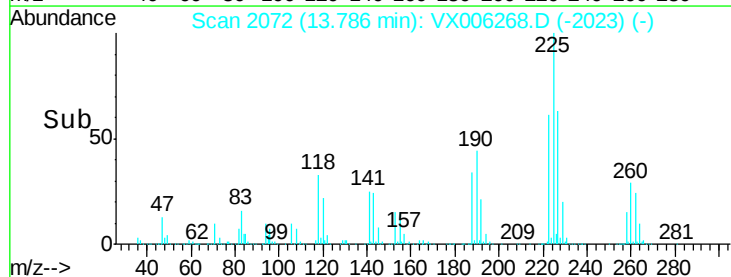
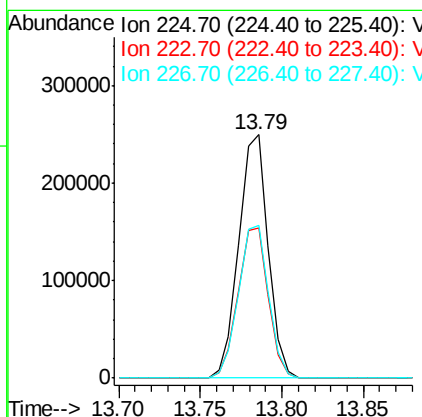
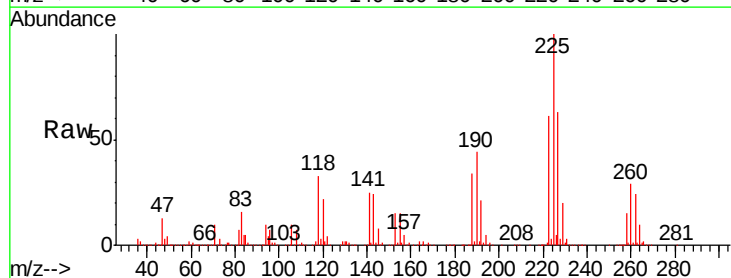
Manual Integrations
 APPROVED

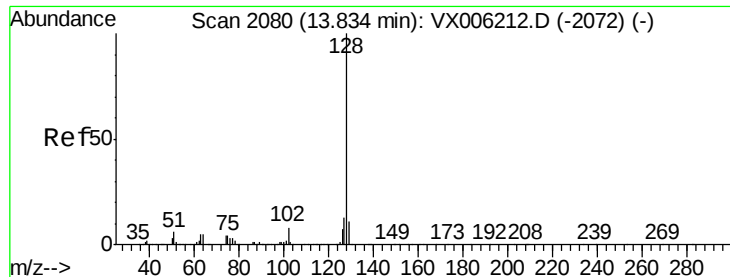
MMDadoda
 12/5/2018 10:11:22 AM



#94
 Hexachlorobutadiene
 Concen: 60.566 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX006268.D
 Acq: 04 Dec 2018 10:14

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	314344		
223	63.0	31.2	93.6	
227	64.2	31.9	95.5	





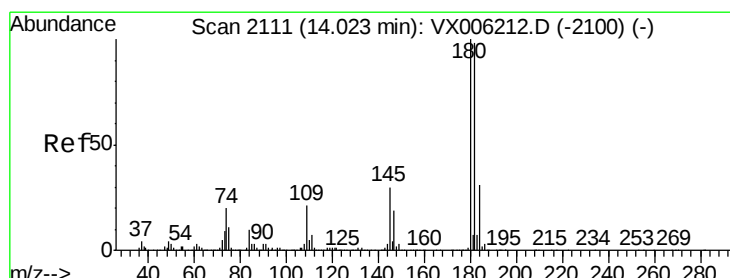
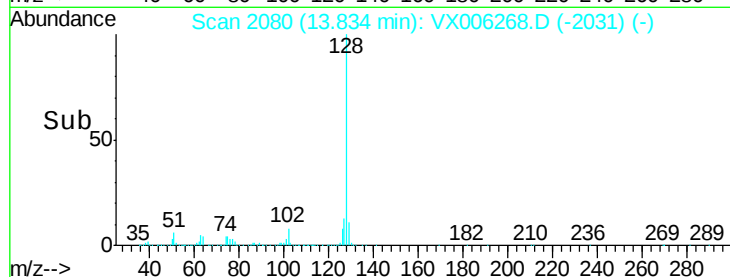
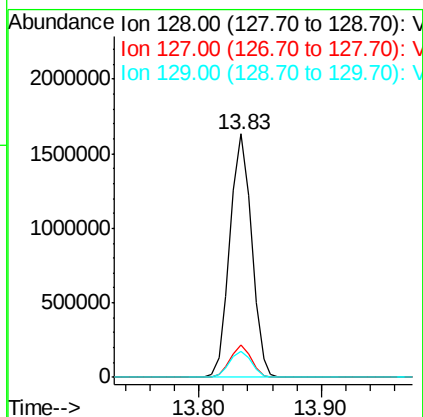
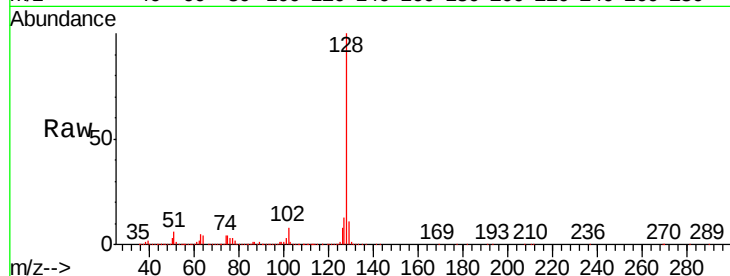
#95
Naphthalene
Concen: 54.654 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX006268.D
Acq: 04 Dec 2018 10:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	10.9	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
12/5/2018 10:11:22 AM



#96
1,2,3-Trichlorobenzene
Concen: 56.181 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.01 min
Lab File: VX006268.D
Acq: 04 Dec 2018 10:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	48.4	145.2
145	31.4	15.6	46.8

