

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX012220\
 Data File : VX014681.D
 Acq On : 22 Jan 2020 10:41
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

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 1/24/2020 1:38:57 PM

Quant Time: Jan 22 12:00:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X012220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 22 11:47:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	424295	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	656055	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	584341	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	274967	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	26447	5.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.02%	
35) Dibromofluoromethane	5.48	113	21986	5.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.96%	
50) Toluene-d8	8.71	98	81547	5.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.48%	
62) 4-Bromofluorobenzene	11.14	95	27722	4.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.78%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.19	85	19695	4.111	ug/l	95
3) Chloromethane	1.32	50	27194	4.967	ug/l	99
4) Vinyl Chloride	1.40	62	27787	4.570	ug/l	98
5) Bromomethane	1.63	94	21341	5.222	ug/l	97
6) Chloroethane	1.72	64	18762	5.187	ug/l	99
7) Trichlorofluoromethane	1.92	101	36732	5.330	ug/l	98
8) Diethyl Ether	2.18	74	16654	5.309	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	22420	5.356	ug/l	97
10) Methyl Iodide	2.50	142	22719	4.463	ug/l	97
11) Tert butyl alcohol	3.03	59	29366	29.942	ug/l	99
12) 1,1-Dichloroethene	2.36	96	21476	5.108	ug/l	94
13) Acrolein	2.28	56	22231	27.674	ug/l	96
14) Allyl chloride	2.72	41	38185	5.133	ug/l	98
15) Acrylonitrile	3.13	53	65833	27.257	ug/l	100
16) Acetone	2.43	43	71919	27.589	ug/l	98
17) Carbon Disulfide	2.56	76	55352	4.704	ug/l	99
18) Methyl Acetate	2.76	43	37263	5.396	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	68521	5.066	ug/l	97
20) Methylene Chloride	2.85	84	27195	5.660	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	22504	4.890	ug/l	89
22) Diisopropyl ether	3.84	45	76061	5.269	ug/l	91
23) Vinyl Acetate	3.80	43	295536	26.612	ug/l	99
24) 1,1-Dichloroethane	3.69	63	42005	5.372	ug/l	96
25) 2-Butanone	4.66	43	97813	27.295	ug/l	95
26) 2,2-Dichloropropane	4.57	77	31339	4.771	ug/l	93
27) cis-1,2-Dichloroethene	4.58	96	25526	4.963	ug/l	93
28) Bromochloromethane	5.01	49	18131	5.488	ug/l	94
29) Tetrahydrofuran	5.12	42	58245	27.533	ug/l	98
30) Chloroform	5.20	83	42893	5.608	ug/l	100
31) Cyclohexane	5.57	56	36222	4.951	ug/l	95
32) 1,1,1-Trichloroethane	5.48	97	34426	5.289	ug/l	98
36) 1,1-Dichloropropene	5.79	75	29864	4.798	ug/l	94
37) Ethyl Acetate	4.82	43	35222	5.209	ug/l	99
38) Carbon Tetrachloride	5.78	117	27057	4.736	ug/l	93

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 ALS Vial : 3 Sample Multiplier: 1

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Manual Integrations
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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)
39) Methylcyclohexane	7.46	83	36740	4.717	ug/l	94
40) Benzene	6.14	78	95883	5.179	ug/l	91
41) Methacrylonitrile	5.03	41	18178	5.005	ug/l	96
42) 1,2-Dichloroethane	6.18	62	33365	5.150	ug/l	89
43) Isopropyl Acetate	6.43	43	55012	5.034	ug/l	96
44) Trichloroethene	7.21	130	27564	5.207	ug/l	96
45) 1,2-Dichloropropane	7.51	63	24097	5.102	ug/l	99
46) Dibromomethane	7.65	93	16679	5.077	ug/l	98
47) Bromodichloromethane	7.89	83	30309	5.055	ug/l	93
48) Methyl methacrylate	7.76	41	26601	5.064	ug/l	97
49) 1,4-Dioxane	7.74	88	12190	111.288	ug/l #	95
51) 4-Methyl-2-Pentanone	8.64	43	178108	26.654	ug/l	98
52) Toluene	8.78	92	58131	4.926	ug/l	96
53) t-1,3-Dichloropropene	9.03	75	29636	4.278	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	33229	4.432	ug/l	92
55) 1,1,2-Trichloroethane	9.21	97	23833	5.014	ug/l	95
56) Ethyl methacrylate	9.17	69	31844	4.393	ug/l	94
57) 1,3-Dichloropropane	9.37	76	40545	5.090	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	54877	22.223	ug/l	96
59) 2-Hexanone	9.48	43	135462	25.653	ug/l	99
60) Dibromochloromethane	9.57	129	22634	4.745	ug/l	95
61) 1,2-Dibromoethane	9.67	107	25511	5.074	ug/l	98
64) Tetrachloroethene	9.33	164	29600	5.022	ug/l	95
65) Chlorobenzene	10.14	112	64117	5.030	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.21	131	22710	4.993	ug/l	96
67) Ethyl Benzene	10.25	91	105890	4.865	ug/l	97
68) m/p-Xylenes	10.35	106	79375	9.458	ug/l	99
69) o-Xylene	10.70	106	38364	4.795	ug/l	99
70) Styrene	10.71	104	61393	4.445	ug/l	99
71) Bromoform	10.85	173	16557	4.474	ug/l #	99
73) Isopropylbenzene	11.01	105	102090	5.245	ug/l	98
74) N-amyl acetate	10.89	43	40263	4.700	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	35807	5.702	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	30551m	5.171	ug/l	
77) Bromobenzene	11.25	156	27600	5.132	ug/l	99
78) n-propylbenzene	11.35	91	110954	4.971	ug/l	100
79) 2-Chlorotoluene	11.42	91	69342	5.211	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	79886	4.935	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	8996	4.162	ug/l #	82
82) 4-Chlorotoluene	11.51	91	76782	4.920	ug/l	99
83) tert-Butylbenzene	11.76	119	79016	5.191	ug/l	95
84) 1,2,4-Trimethylbenzene	11.80	105	82540	5.050	ug/l	96
85) sec-Butylbenzene	11.94	105	93321	4.919	ug/l	99
86) p-Isopropyltoluene	12.06	119	84708	4.821	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	48664	5.042	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	48743	4.940	ug/l	94
89) n-Butylbenzene	12.38	91	67651	4.228	ug/l	98
90) Hexachloroethane	12.59	117	15167	4.922	ug/l	94
91) 1,2-Dichlorobenzene	12.38	146	47065	4.967	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	7653	5.480	ug/l	91

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ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

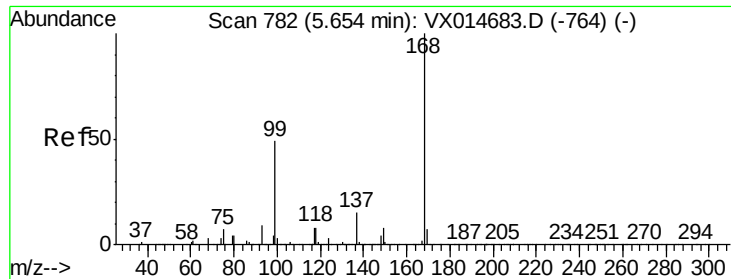
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	27395	3.835	ug/l	98
94) Hexachlorobutadiene	13.77	225	15490	4.608	ug/l	96
95) Naphthalene	13.83	128	73686	3.619	ug/l	98
96) 1,2,3-Trichlorobenzene	14.01	180	28785	4.106	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.01 min

Lab File: VX014681.D

Acq: 22 Jan 2020 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 424295

Ion Ratio Lower Upper

168 100

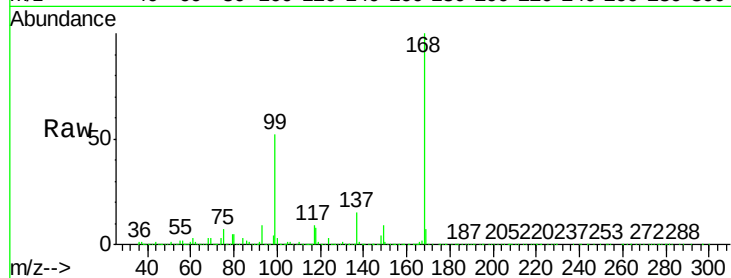
99 51.8 39.8 59.6

Manual Integrations

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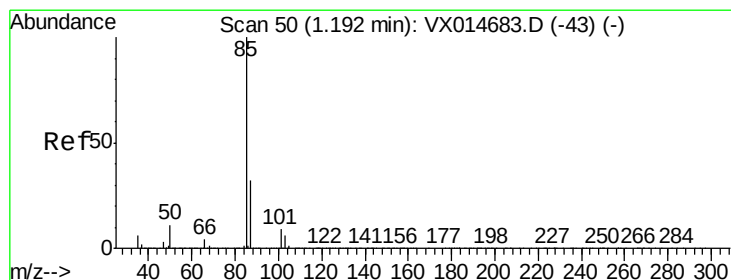
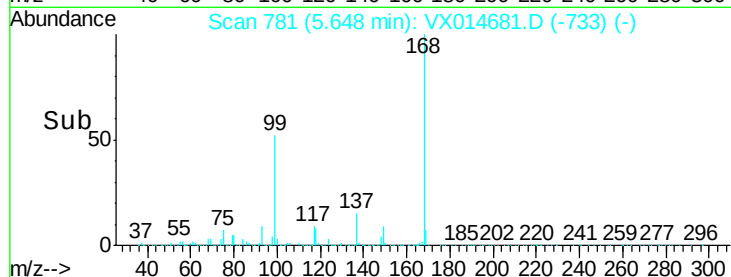
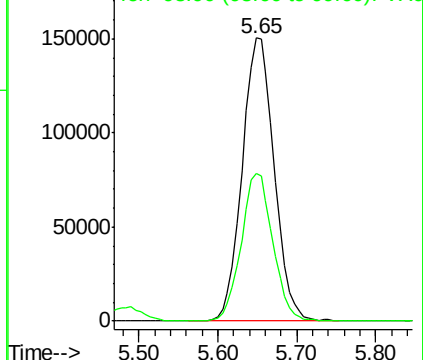
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 4.111 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX014681.D

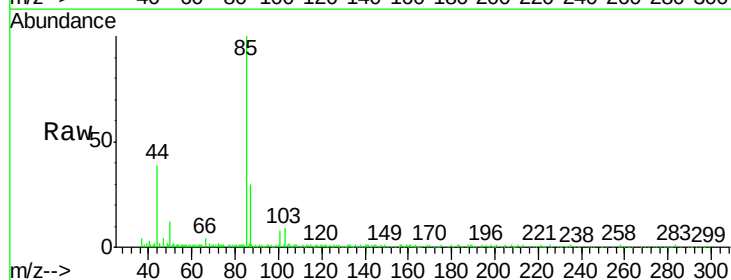
Acq: 22 Jan 2020 10:41

Tgt Ion: 85 Resp: 19695

Ion Ratio Lower Upper

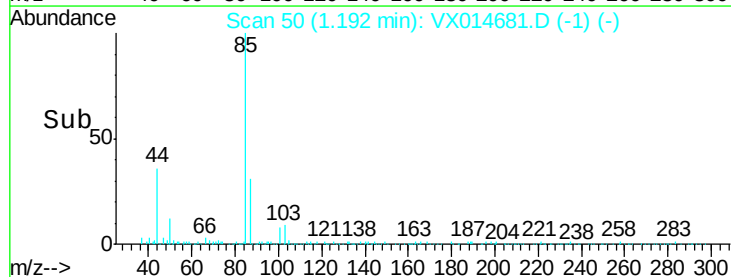
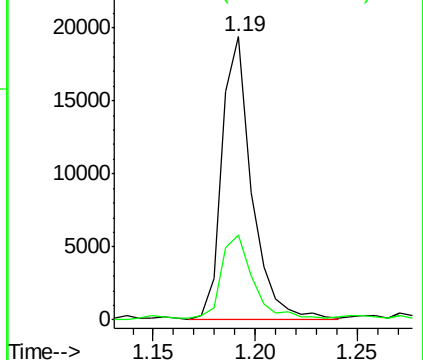
85 100

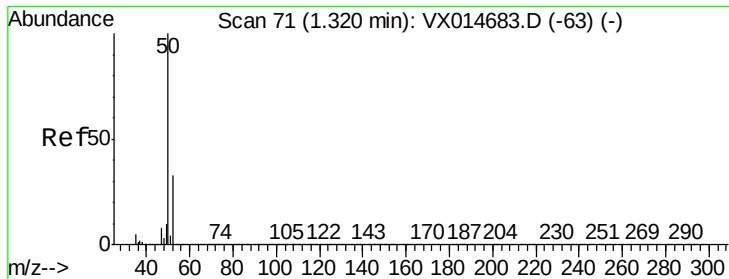
87 29.4 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 4.967 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX014681.D

Acq: 22 Jan 2020 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 27194

Ion Ratio Lower Upper

50 100

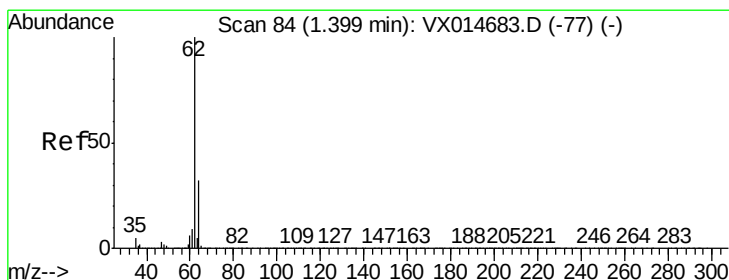
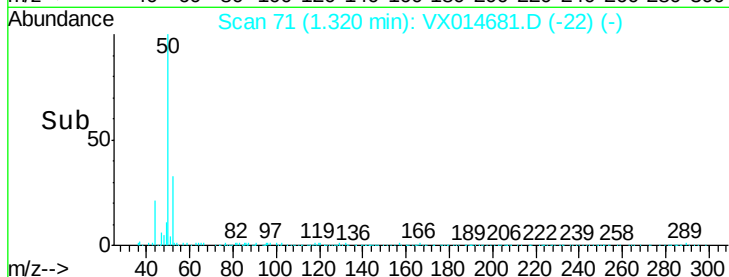
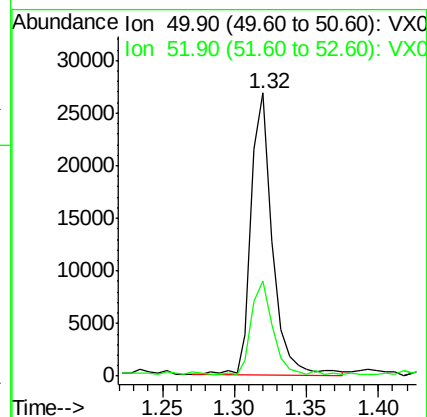
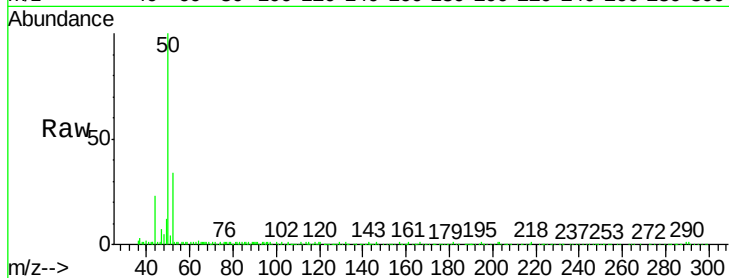
52 33.1 26.2 39.2

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#4

Vinyl Chloride

Concen: 4.570 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX014681.D

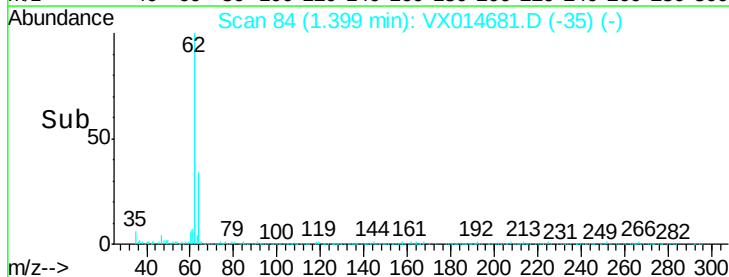
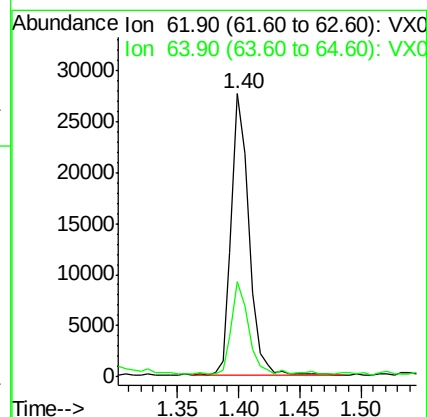
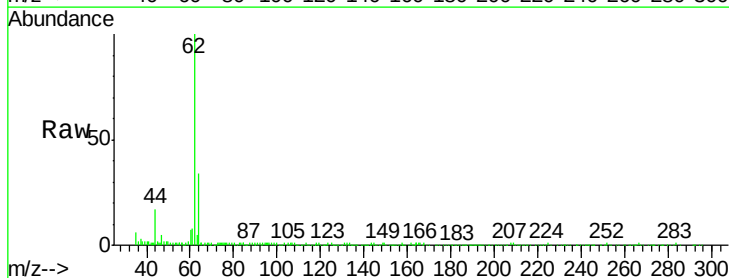
Acq: 22 Jan 2020 10:41

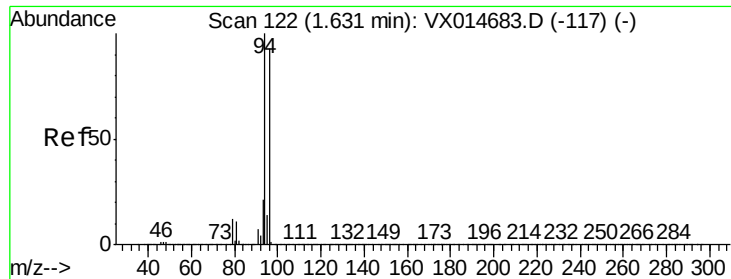
Tgt Ion: 62 Resp: 27787

Ion Ratio Lower Upper

62 100

64 32.9 25.4 38.2





#5

Bromomethane

Concen: 5.222 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.00 min

Lab File: VX014681.D

Acq: 22 Jan 2020 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 21341

Ion Ratio Lower Upper

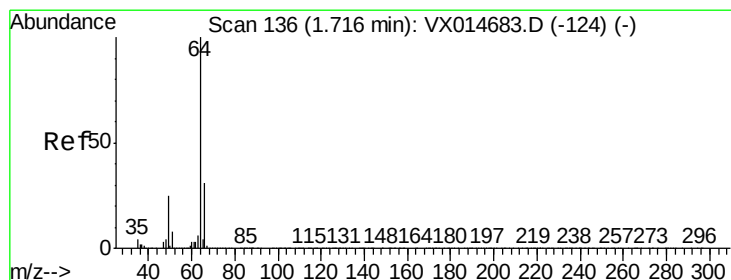
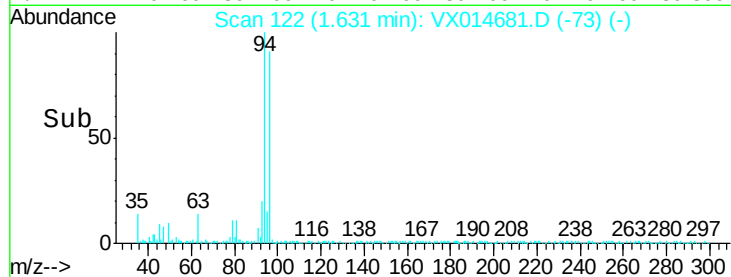
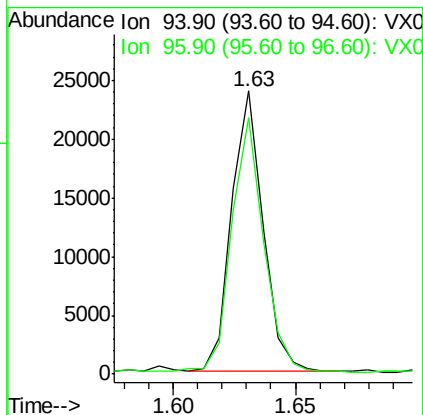
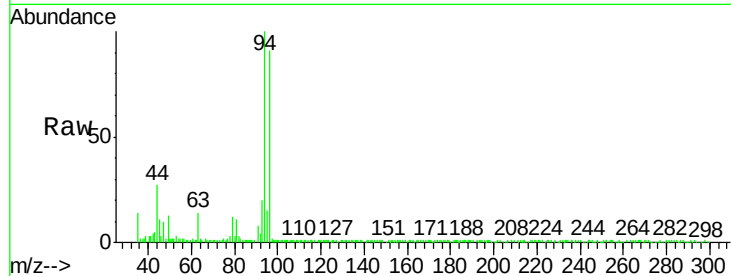
94 100

96 90.6 74.7 112.1

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#6

Chloroethane

Concen: 5.187 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.00 min

Lab File: VX014681.D

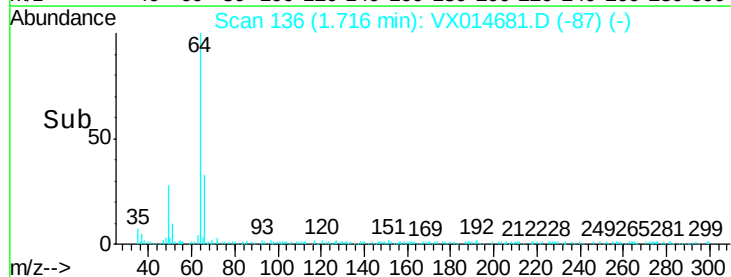
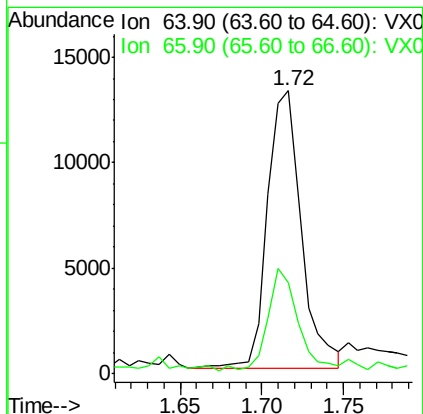
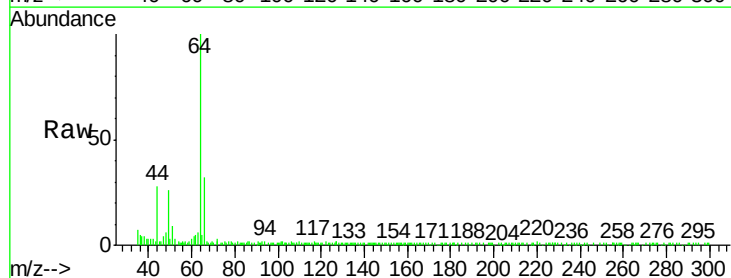
Acq: 22 Jan 2020 10:41

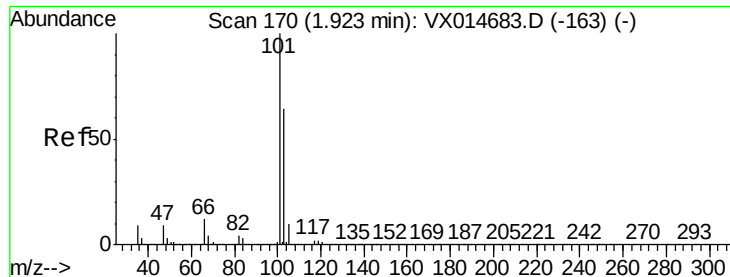
Tgt Ion: 64 Resp: 18762

Ion Ratio Lower Upper

64 100

66 31.0 25.2 37.8





#7

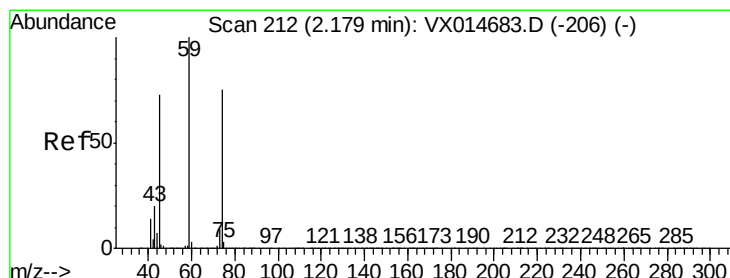
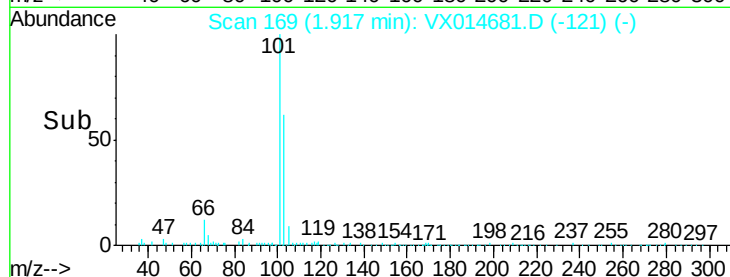
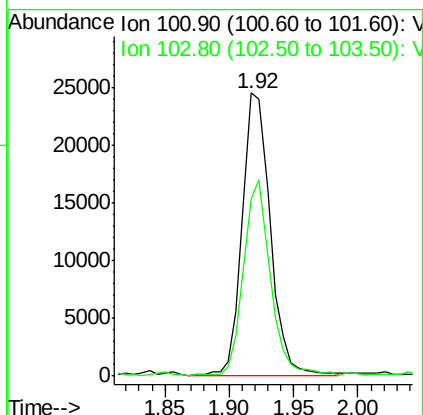
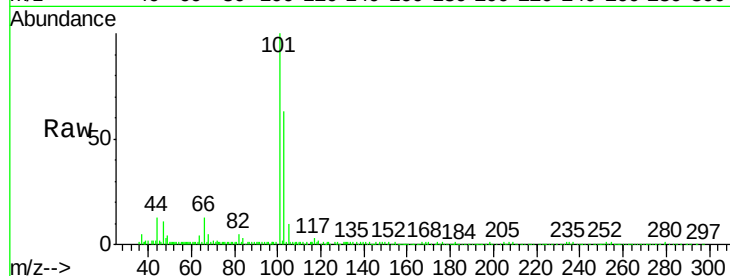
Trichlorofluoromethane
Concen: 5.330 ug/l
RT: 1.92 min Scan# 169
Delta R.T. -0.01 min
Lab File: VX014681.D
Acq: 22 Jan 2020 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.4	51.0	76.6

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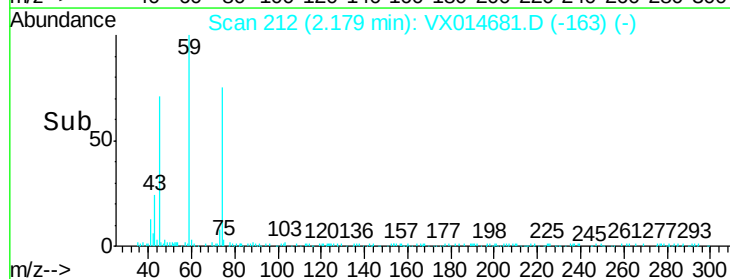
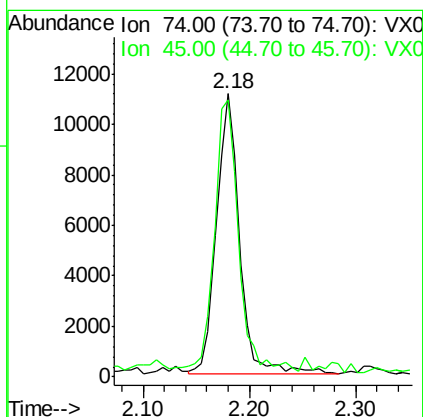
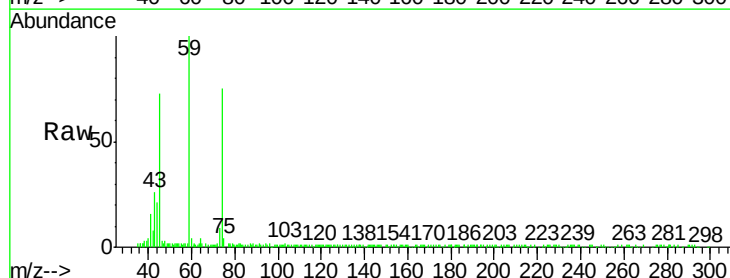
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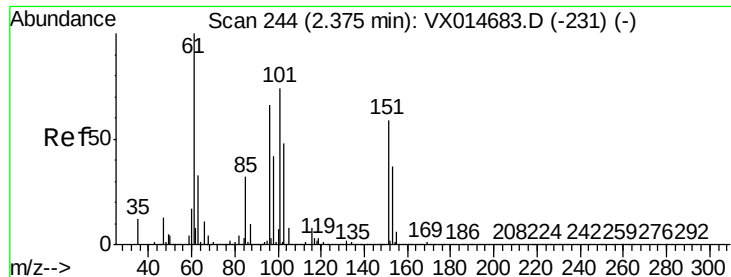


#8

Diethyl Ether
Concen: 5.309 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX014681.D
Acq: 22 Jan 2020 10:41

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.9	49.4	148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.356 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.00 min

Lab File: VX014681.D

Acq: 22 Jan 2020 10:41

Instrument :

MSVOA_X

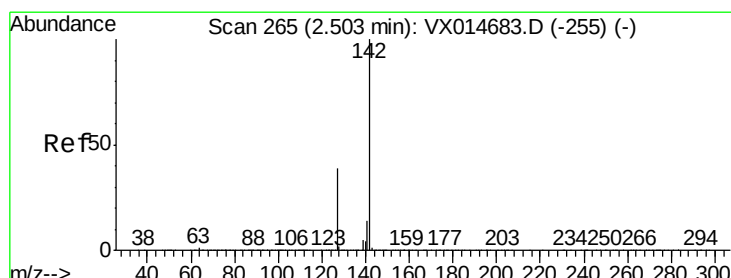
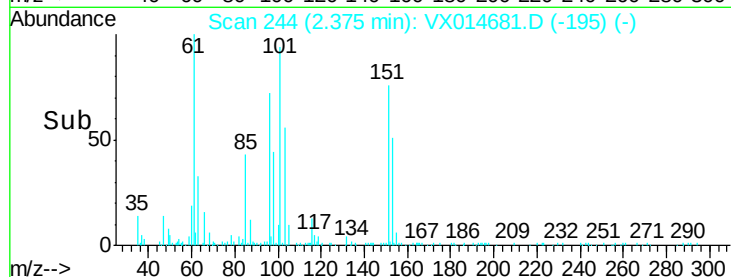
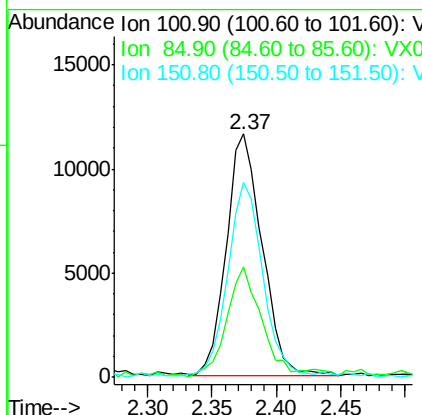
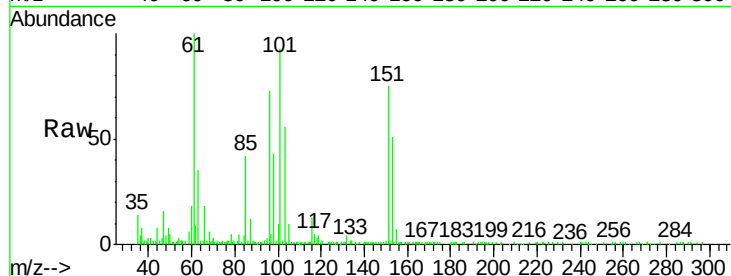
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	22420
Ion Ratio	Lower	Upper	
101	100		
85	44.5	34.7	52.1
151	77.5	64.7	97.1

Manual Integrations
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#10

Methyl Iodide

Concen: 4.463 ug/l

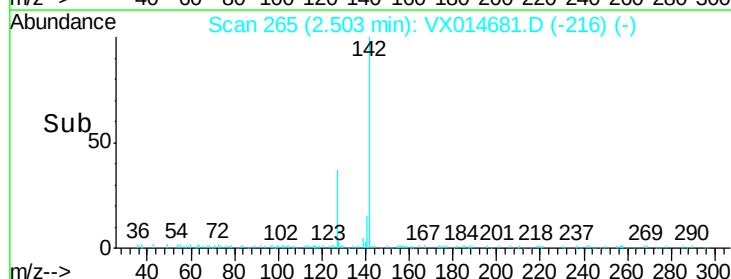
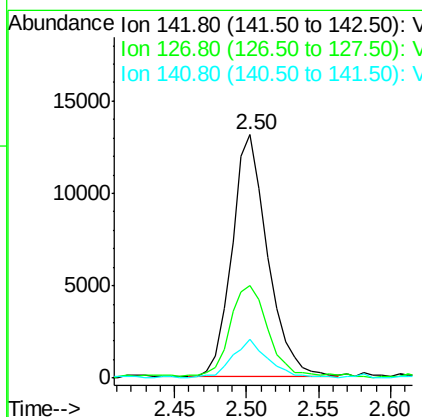
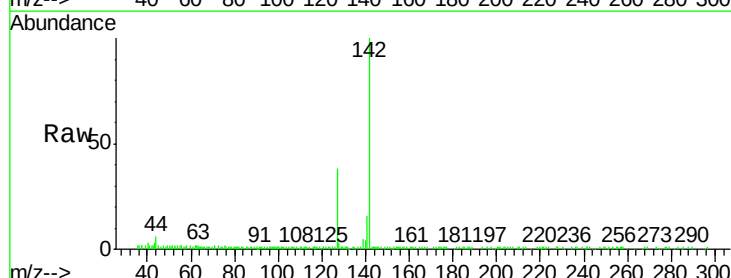
RT: 2.50 min Scan# 265

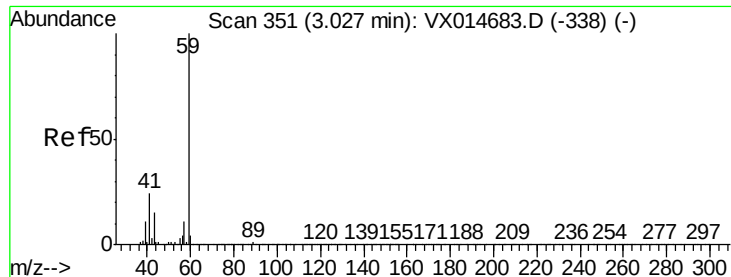
Delta R.T. 0.00 min

Lab File: VX014681.D

Acq: 22 Jan 2020 10:41

Tgt Ion:	142	Resp:	22719
Ion Ratio	Lower	Upper	
142	100		
127	39.7	31.1	46.7
141	16.5	11.3	16.9





#11

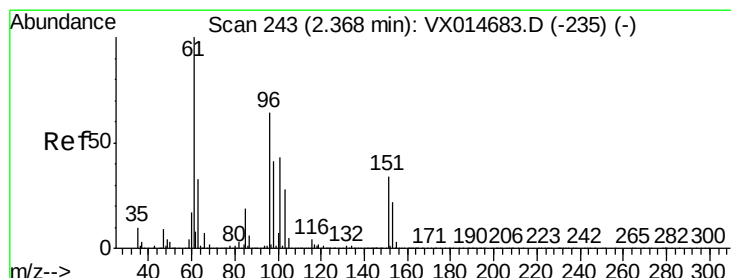
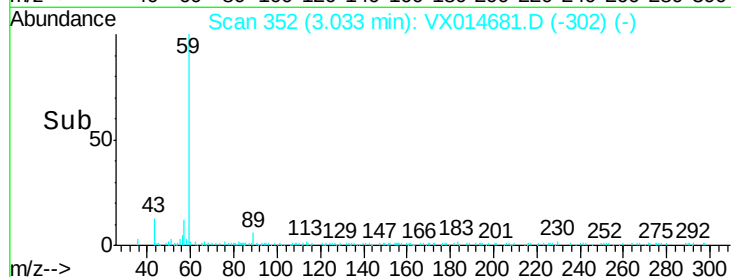
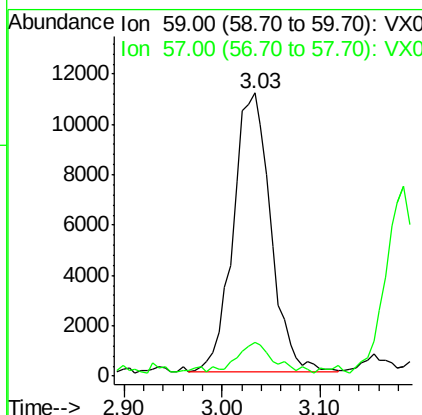
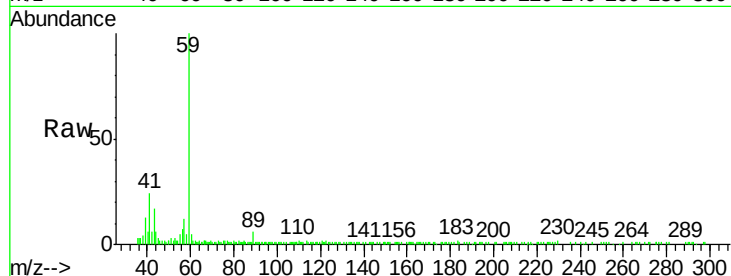
Tert butyl alcohol
Concen: 29.942 ug/l
RT: 3.03 min Scan# 352
Delta R.T. 0.01 min
Lab File: VX014681.D
Acq: 22 Jan 2020 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.3	12.5

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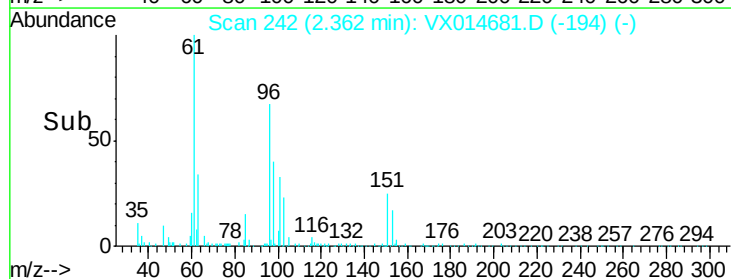
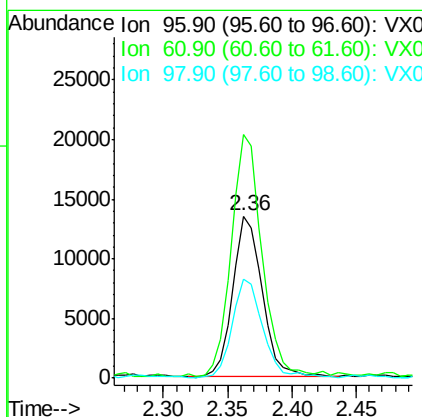
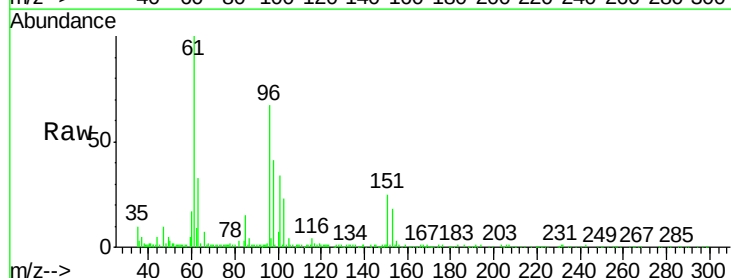
MMDadoda
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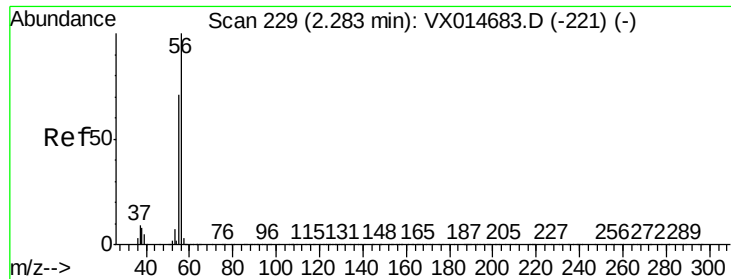


#12

1,1-Dichloroethene
Concen: 5.108 ug/l
RT: 2.36 min Scan# 242
Delta R.T. -0.01 min
Lab File: VX014681.D
Acq: 22 Jan 2020 10:41

Tgt Ion	Ratio	Lower	Upper
96	100		
61	148.9	125.8	188.8
98	61.1	51.5	77.3





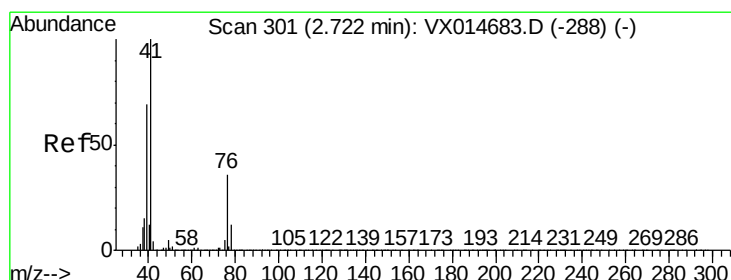
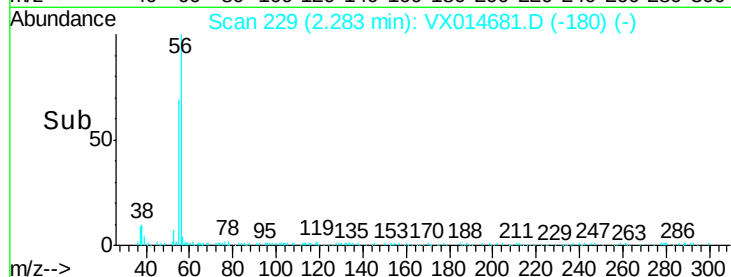
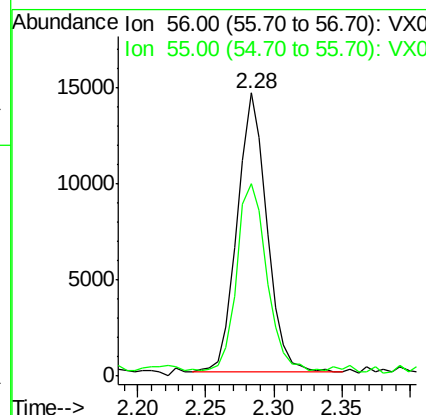
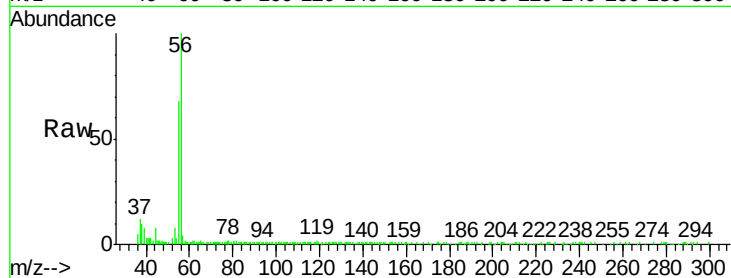
#13
Acrolein
Concen: 27.674 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX014681.D
Acq: 22 Jan 2020 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
55	67.1	56.6	84.8

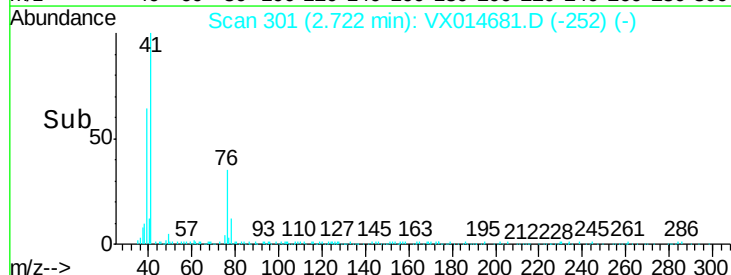
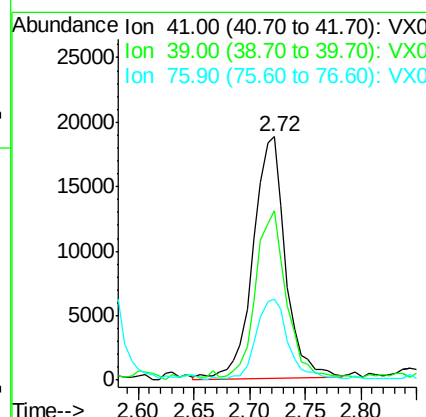
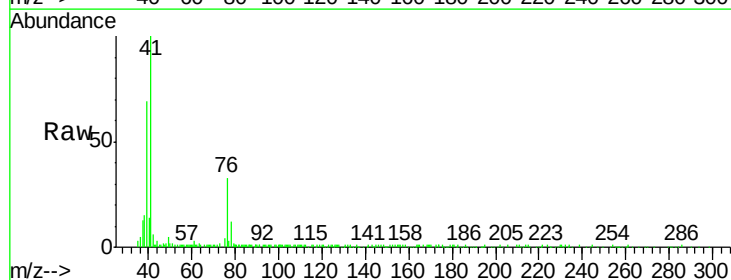
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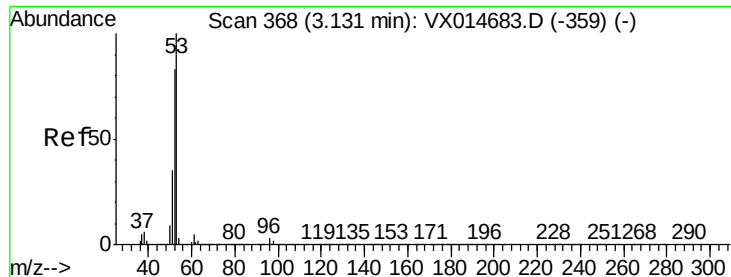
MMDadoda
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#14
Allyl chloride
Concen: 5.133 ug/l
RT: 2.72 min Scan# 301
Delta R.T. 0.00 min
Lab File: VX014681.D
Acq: 22 Jan 2020 10:41

Tgt Ion	Ratio	Lower	Upper
41	100		
39	65.9	52.0	78.0
76	33.9	26.0	39.0





#15

Acrylonitrile

Concen: 27.257 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX014681.D

Acq: 22 Jan 2020 10:41

Instrument :

MSVOA_X

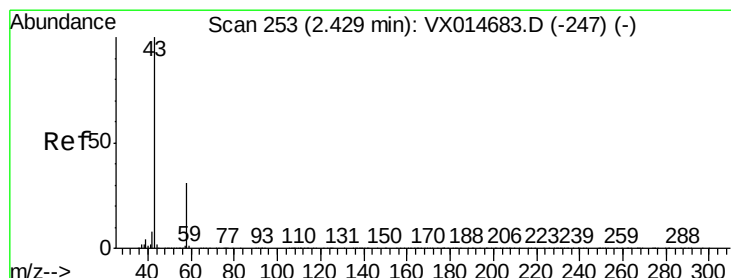
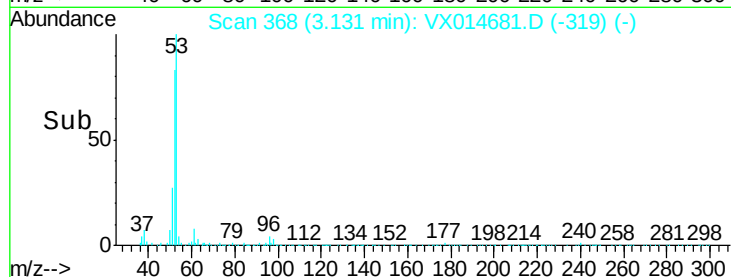
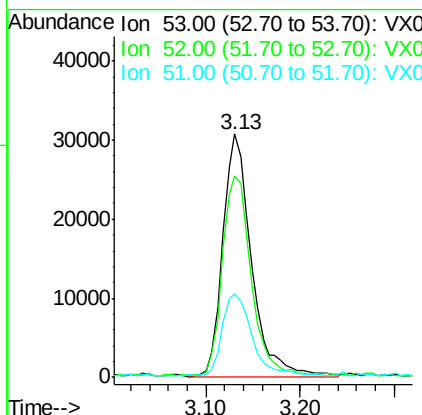
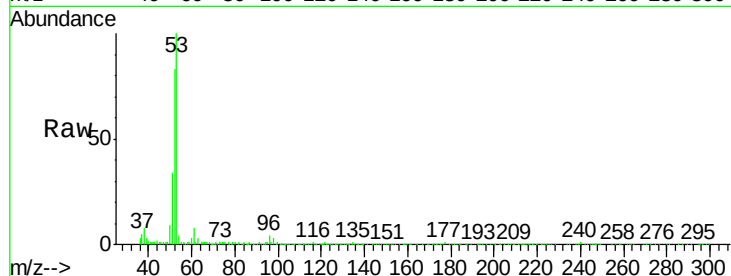
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	65833
Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.4	99.6
51	35.6	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 27.589 ug/l

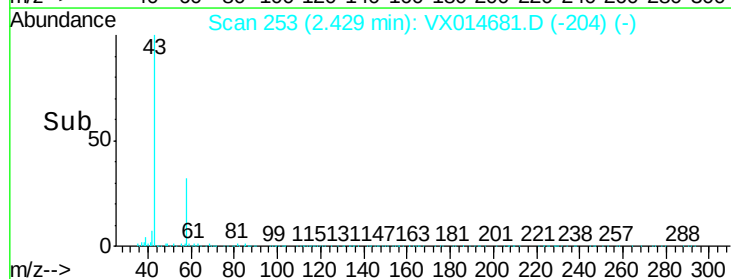
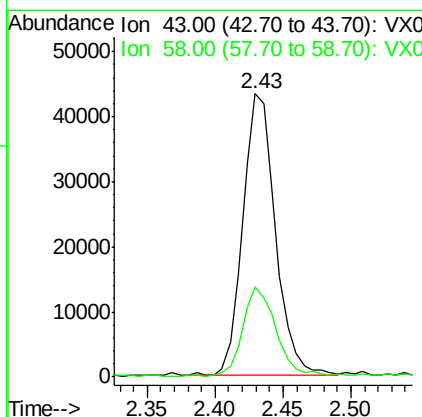
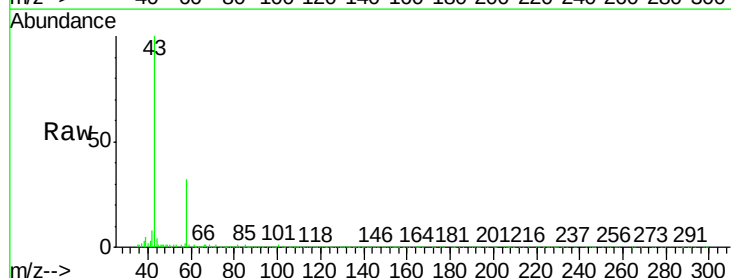
RT: 2.43 min Scan# 253

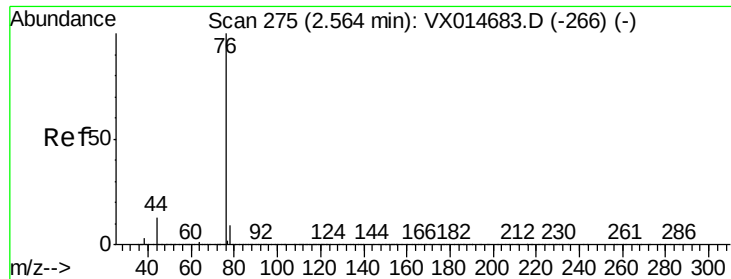
Delta R.T. 0.00 min

Lab File: VX014681.D

Acq: 22 Jan 2020 10:41

Tgt Ion:	43	Resp:	71919
Ion	Ratio	Lower	Upper
43	100		
58	31.6	24.5	36.7





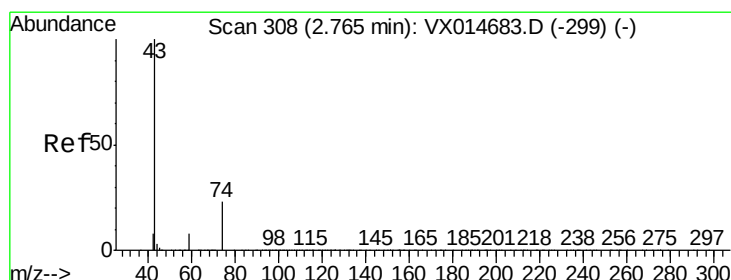
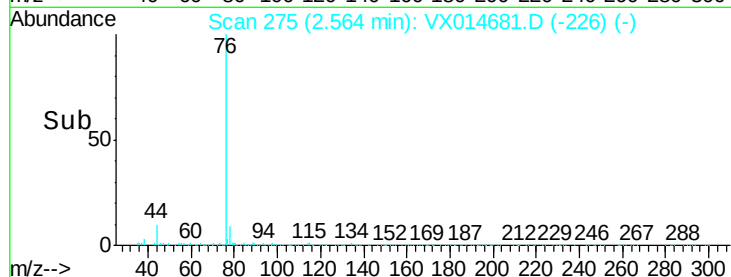
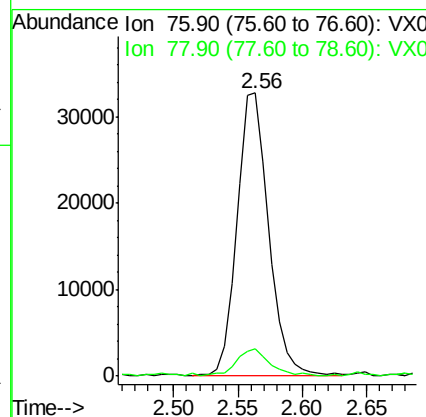
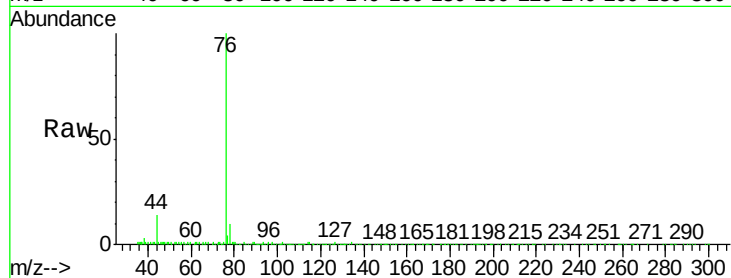
#17
Carbon Disulfide
Concen: 4.704 ug/l
RT: 2.56 min Scan# 275
Delta R.T. 0.00 min
Lab File: VX014681.D
Acq: 22 Jan 2020 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.2	10.8

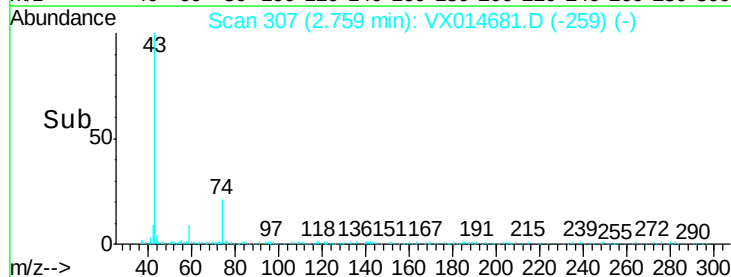
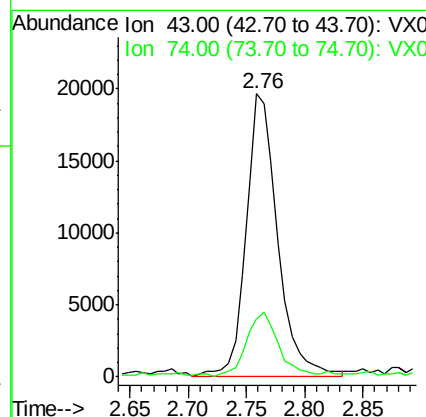
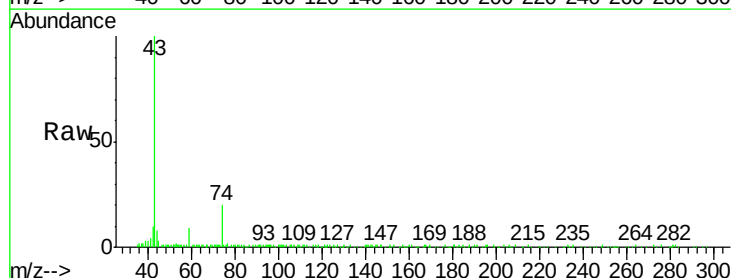
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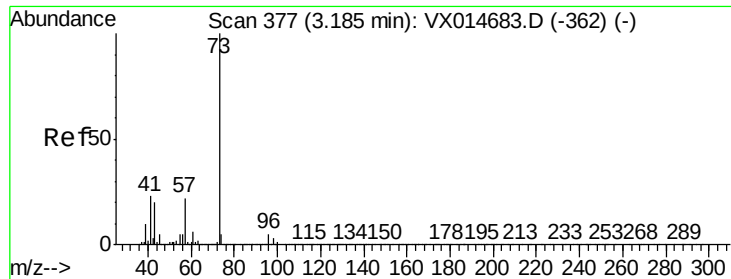
MMDadoda
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#18
Methyl Acetate
Concen: 5.396 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.01 min
Lab File: VX014681.D
Acq: 22 Jan 2020 10:41

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.4	18.5	27.7





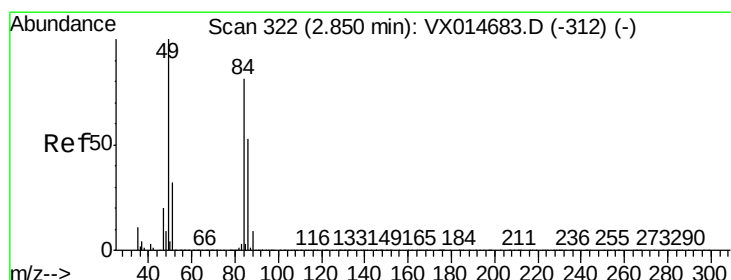
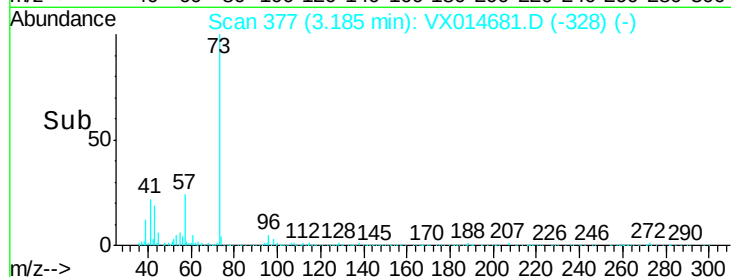
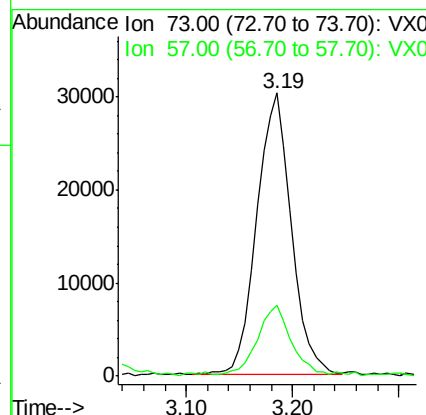
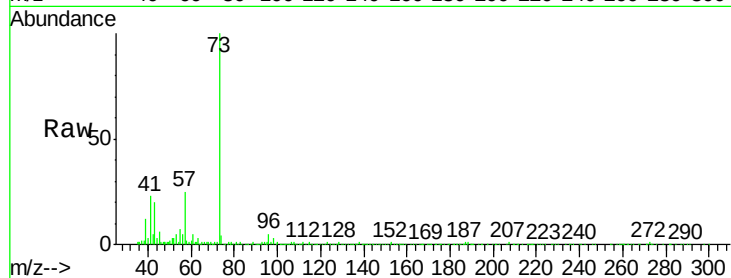
#19
Methyl tert-butyl Ether
Concen: 5.066 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.00 min
Lab File: VX014681.D
Acq: 22 Jan 2020 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.0	18.0	27.0

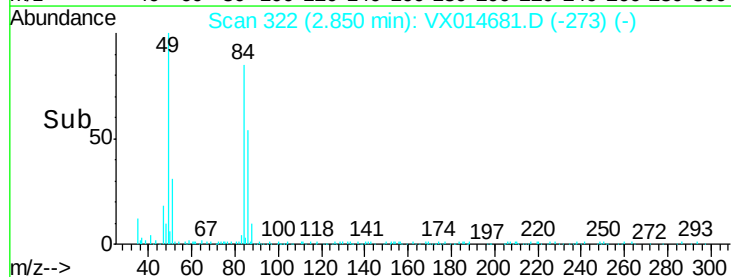
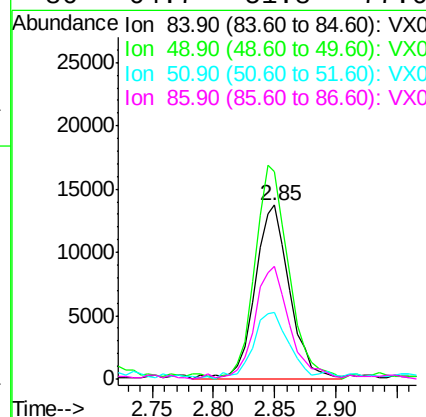
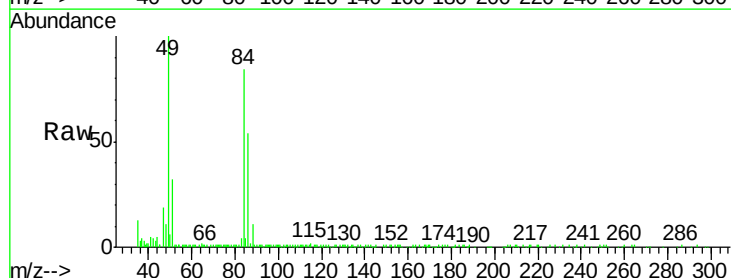
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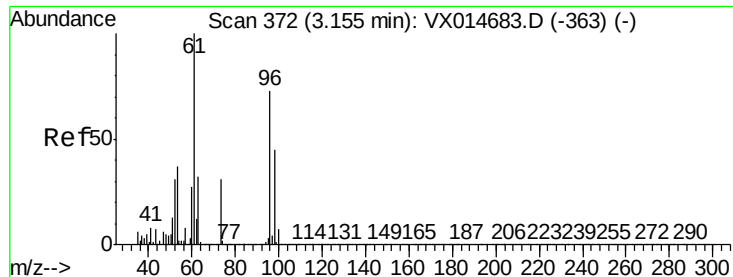
MMDadoda
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#20
Methylene Chloride
Concen: 5.660 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX014681.D
Acq: 22 Jan 2020 10:41

Tgt Ion	Ratio	Lower	Upper
84	100		
49	119.6	98.2	147.4
51	37.4	31.3	46.9
86	64.7	51.8	77.6





#21

trans-1,2-Dichloroethene

Concen: 4.890 ug/l

RT: 3.15 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX014681.D

Acq: 22 Jan 2020 10:41

Instrument :

MSVOA_X

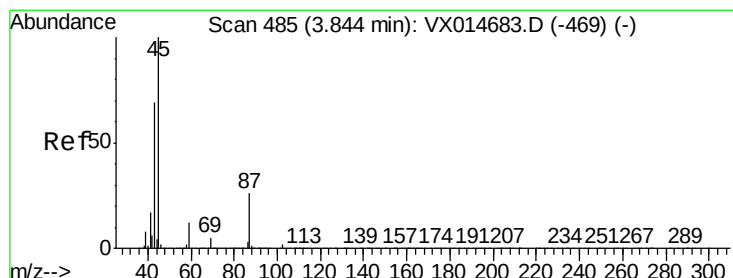
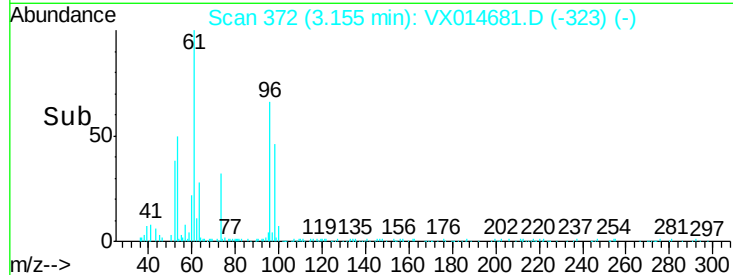
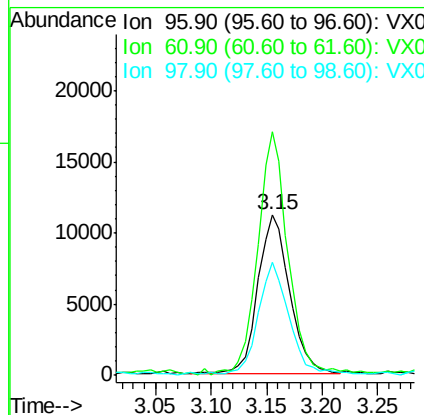
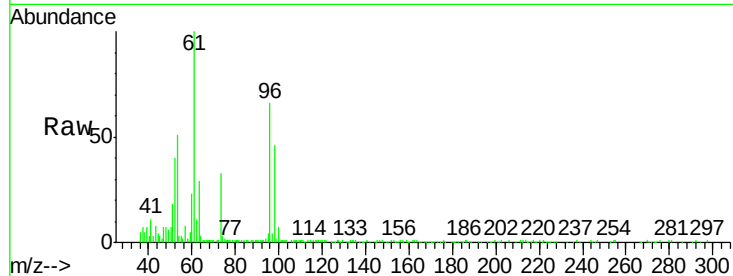
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	22504
Ion Ratio	Lower	Upper	
96	100		
61	151.0	109.8	164.6
98	68.9	49.6	74.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 5.269 ug/l

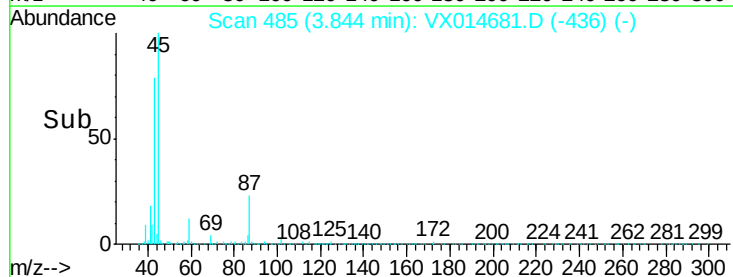
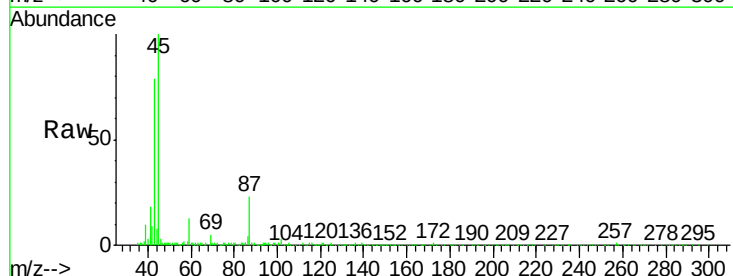
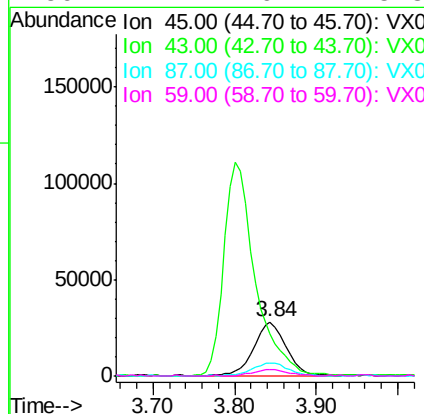
RT: 3.84 min Scan# 485

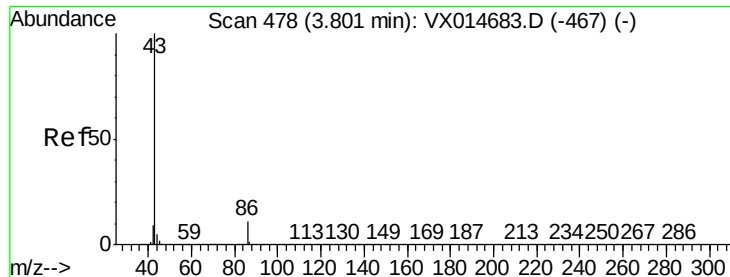
Delta R.T. 0.00 min

Lab File: VX014681.D

Acq: 22 Jan 2020 10:41

Tgt Ion:	45	Resp:	76061
Ion Ratio	Lower	Upper	
45	100		
43	78.7	55.1	82.7
87	22.8	20.7	31.1
59	12.2	9.2	13.8





#23

Vinyl Acetate

Concen: 26.612 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX014681.D

Acq: 22 Jan 2020 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 295536

Ion Ratio Lower Upper

43 100

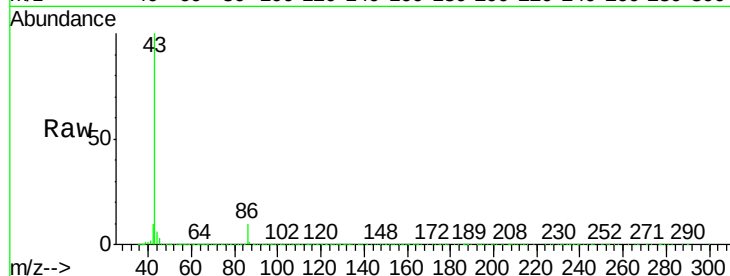
86 10.1 8.4 12.6

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

120000

100000

80000

60000

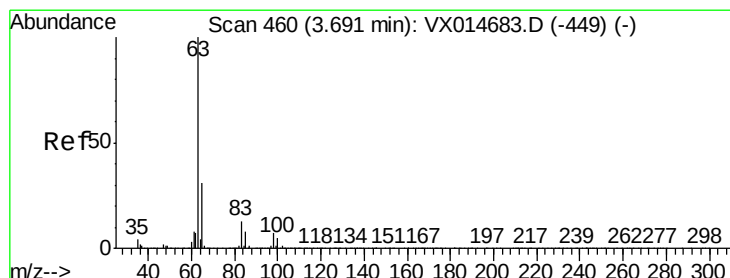
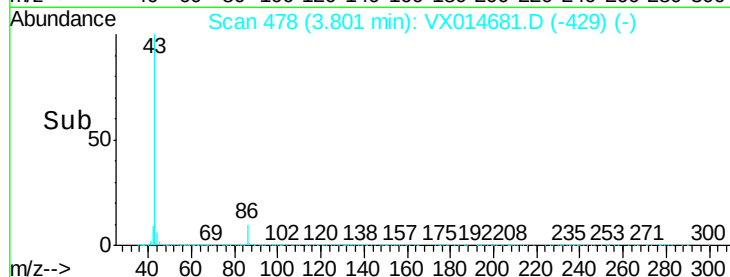
40000

20000

0

3.70 3.80 3.90

Time-->



#24

1,1-Dichloroethane

Concen: 5.372 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.01 min

Lab File: VX014681.D

Acq: 22 Jan 2020 10:41

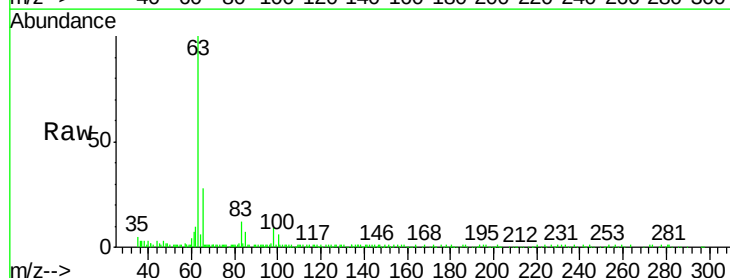
Tgt Ion: 63 Resp: 42005

Ion Ratio Lower Upper

63 100

98 9.2 3.6 10.8

100 5.1 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

25000

20000

15000

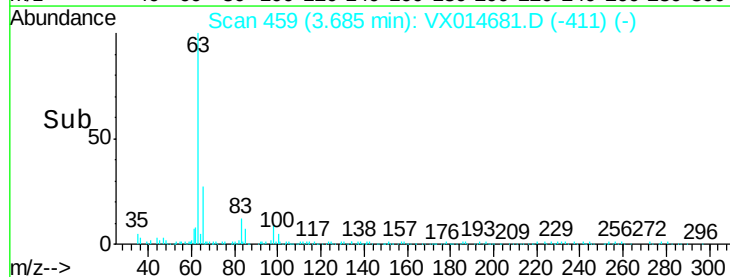
10000

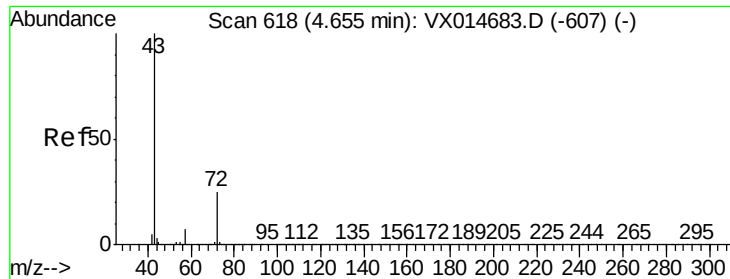
5000

0

3.60 3.65 3.70 3.75 3.80

Time-->





#25

2-Butanone

Concen: 27.295 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.01 min

Lab File: VX014681.D

Acq: 22 Jan 2020 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 97813

Ion Ratio Lower Upper

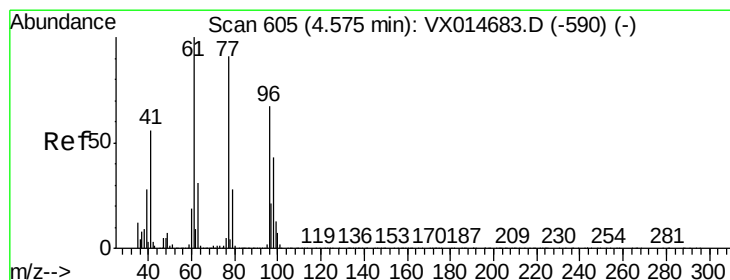
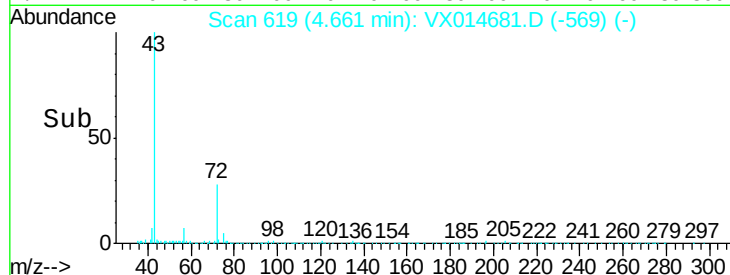
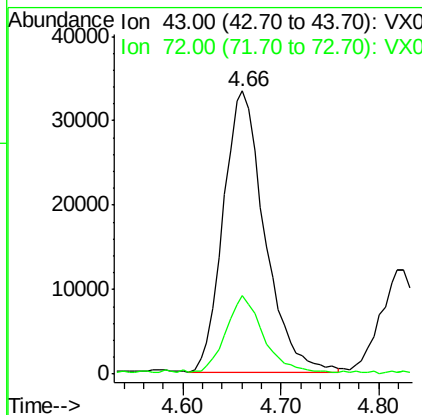
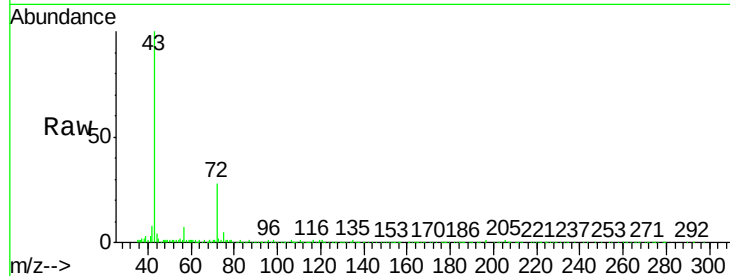
43 100

72 27.3 19.9 29.9

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#26

2,2-Dichloropropane

Concen: 4.771 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.01 min

Lab File: VX014681.D

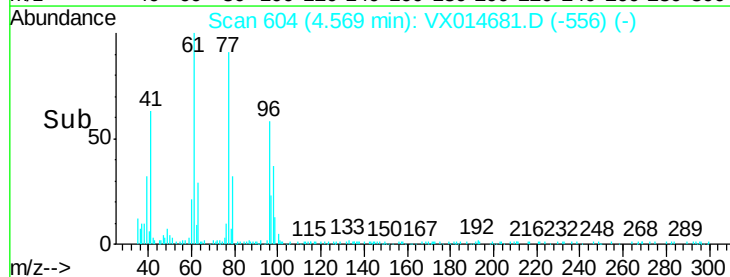
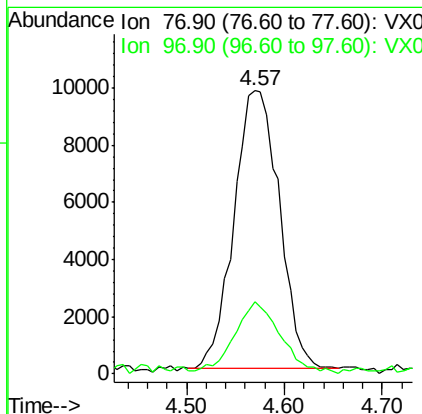
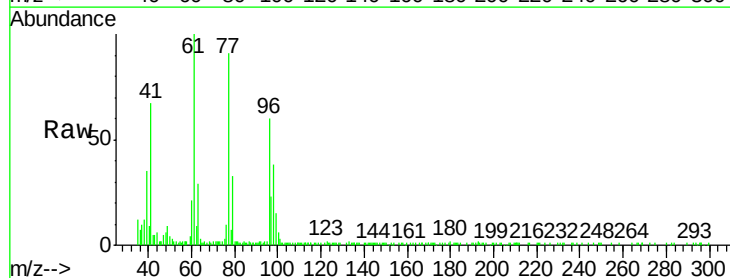
Acq: 22 Jan 2020 10:41

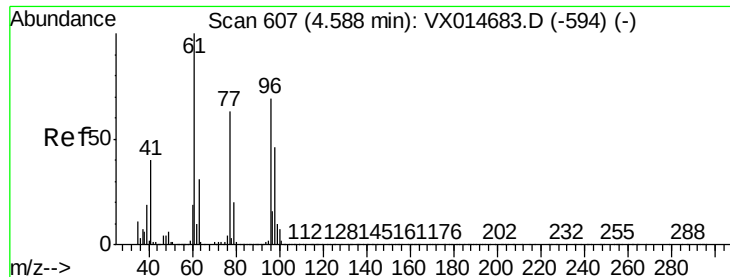
Tgt Ion: 77 Resp: 31339

Ion Ratio Lower Upper

77 100

97 26.9 11.8 35.3





#27

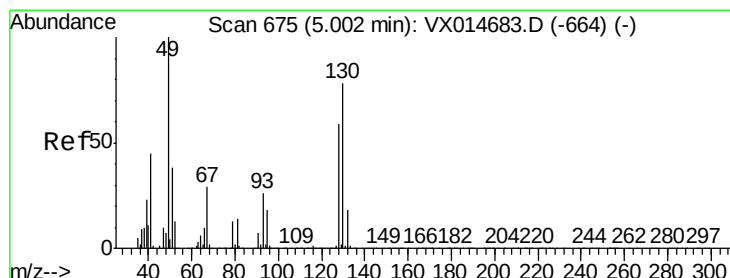
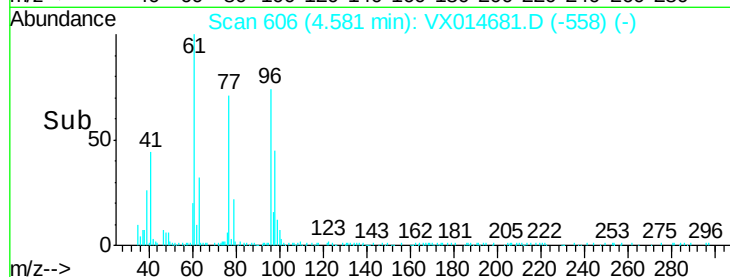
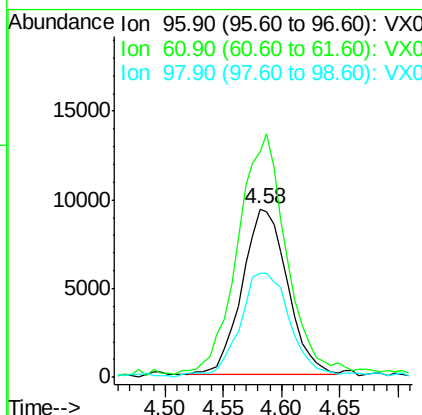
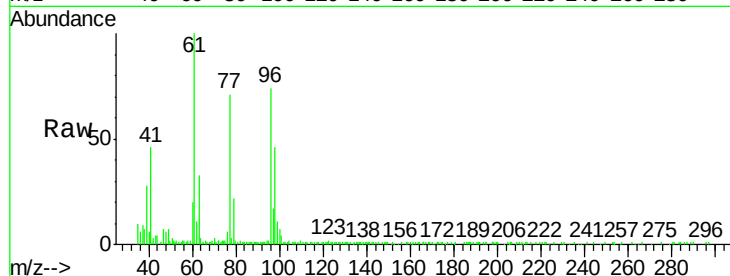
cis-1,2-Dichloroethene
Concen: 4.963 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX014681.D
Acq: 22 Jan 2020 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
96	100	25526		
61	155.6	0.0	291.0	
98	69.6	0.0	129.8	

Manual Integrations
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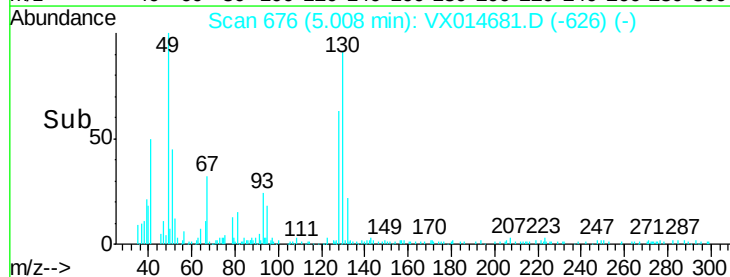
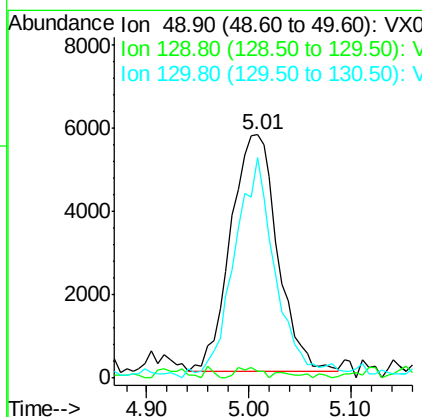
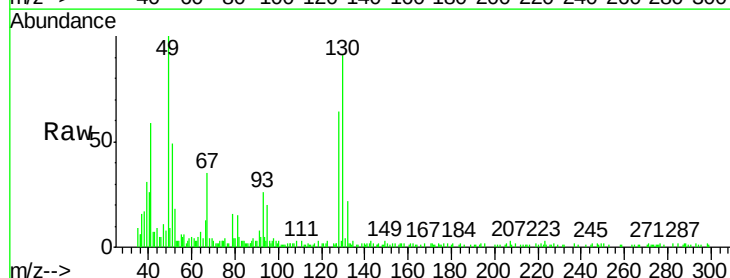
MMDadoda
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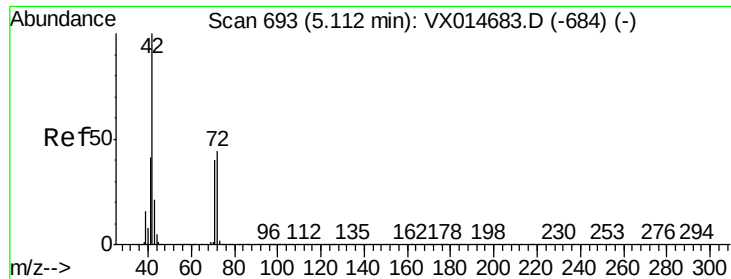


#28

Bromochloromethane
Concen: 5.488 ug/l
RT: 5.01 min Scan# 676
Delta R.T. 0.01 min
Lab File: VX014681.D
Acq: 22 Jan 2020 10:41

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	18131		
129	2.1	0.0	4.8	
130	83.4	62.4	93.6	





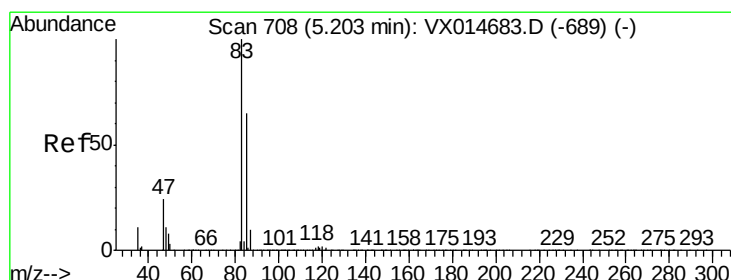
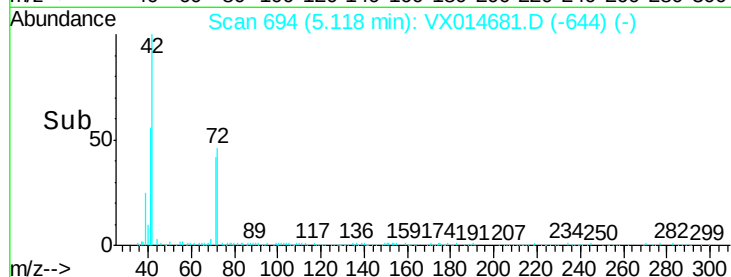
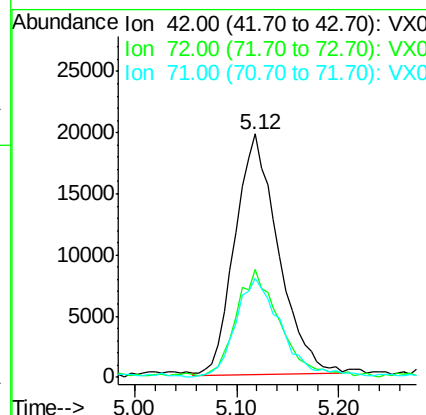
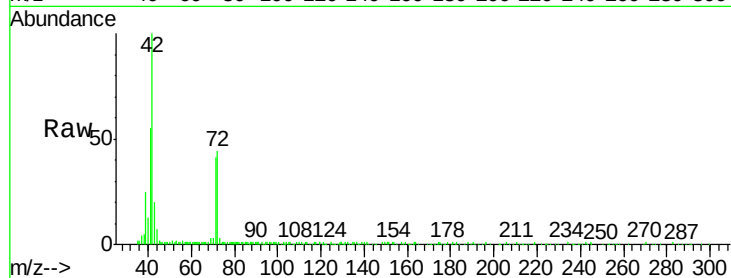
#29
Tetrahydrofuran
Concen: 27.533 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.01 min
Lab File: VX014681.D
Acq: 22 Jan 2020 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	42	Resp	58245
Ion Ratio	Lower	Upper	
42	100		
72	45.9	35.3	52.9
71	42.2	33.1	49.7

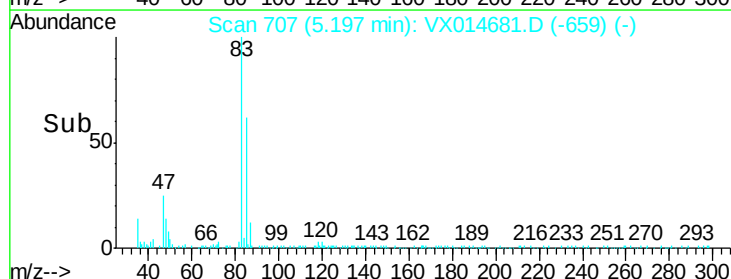
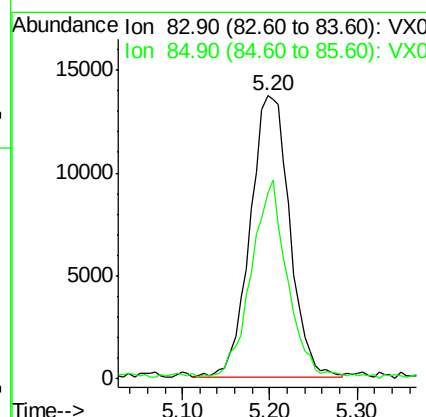
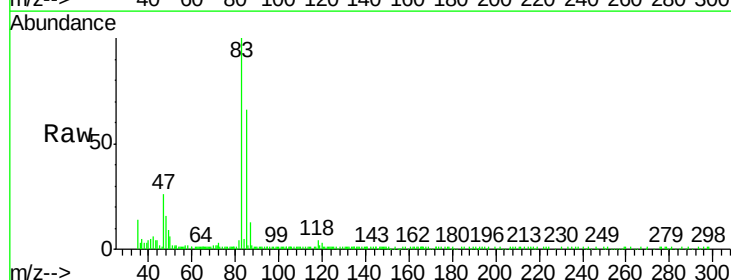
Manual Integrations
APPROVED

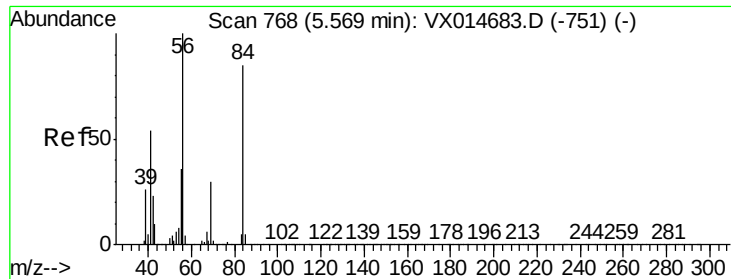
MMDadoda
1/24/2020 1:38:57 PM



#30
Chloroform
Concen: 5.608 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.01 min
Lab File: VX014681.D
Acq: 22 Jan 2020 10:41

Tgt Ion	83	Resp	42893
Ion Ratio	Lower	Upper	
83	100		
85	64.6	51.7	77.5





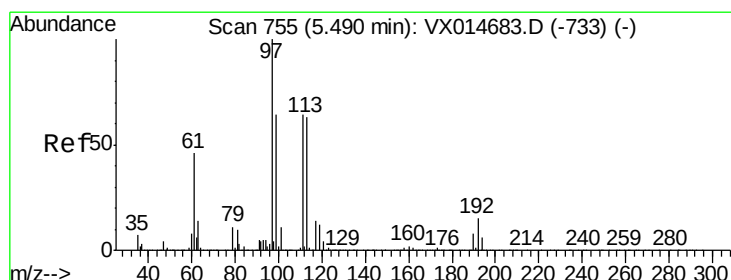
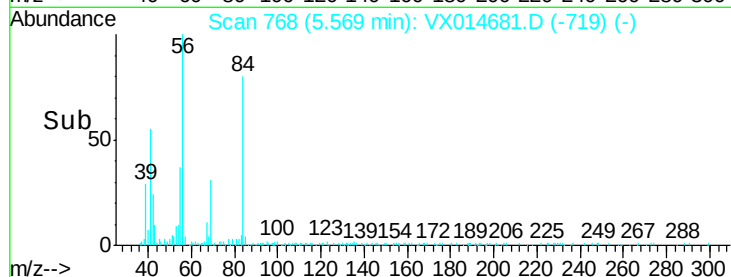
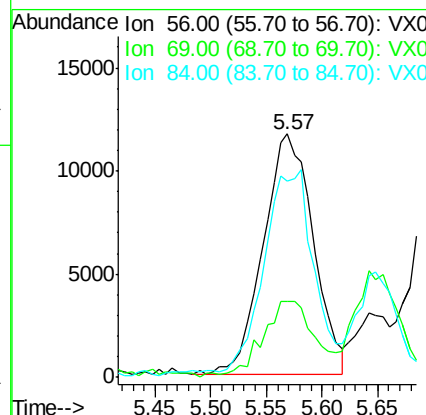
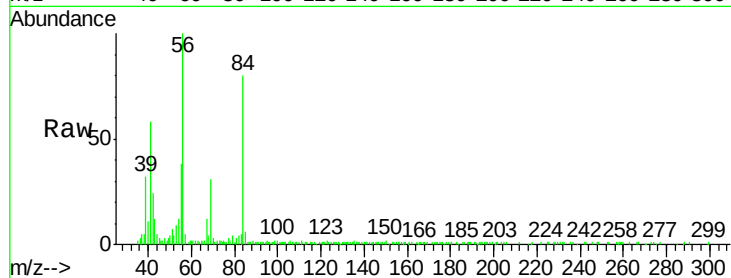
#31
Cyclohexane
Concen: 4.951 ug/l
RT: 5.57 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX014681.D
Acq: 22 Jan 2020 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.0	23.4	35.2
84	79.4	68.4	102.6

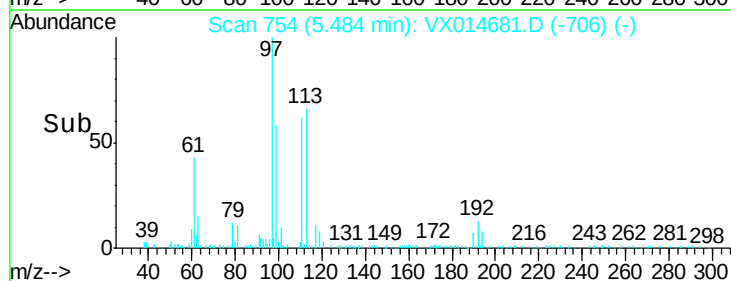
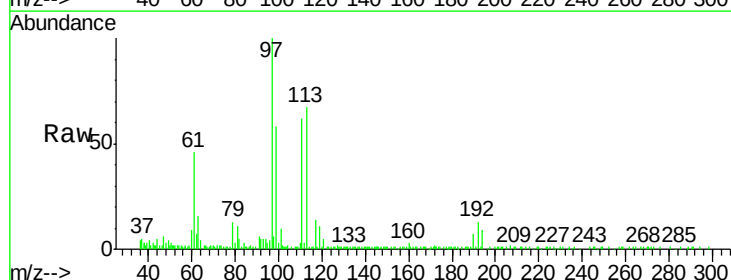
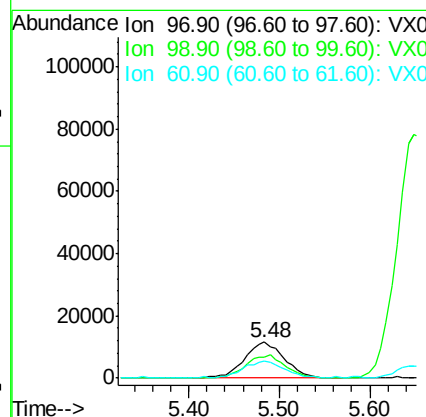
Manual Integrations
APPROVED

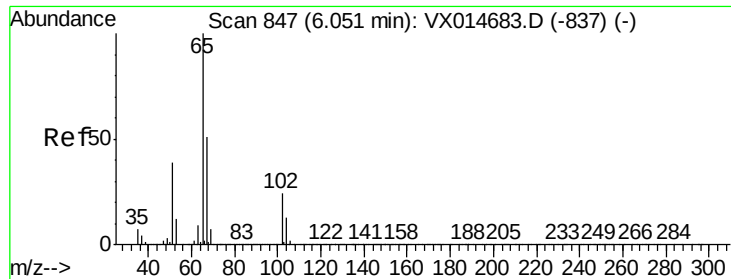
MMDadoda
1/24/2020 1:38:57 PM



#32
1,1,1-Trichloroethane
Concen: 5.289 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.01 min
Lab File: VX014681.D
Acq: 22 Jan 2020 10:41

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	52.3	78.5
61	45.4	37.2	55.8





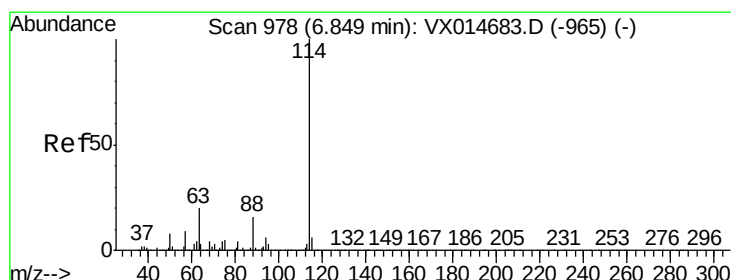
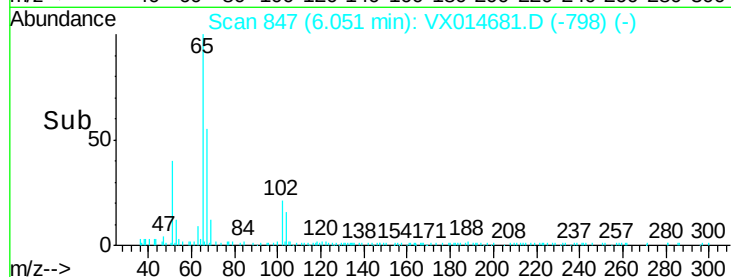
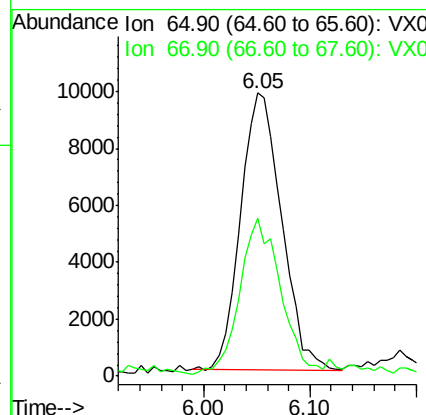
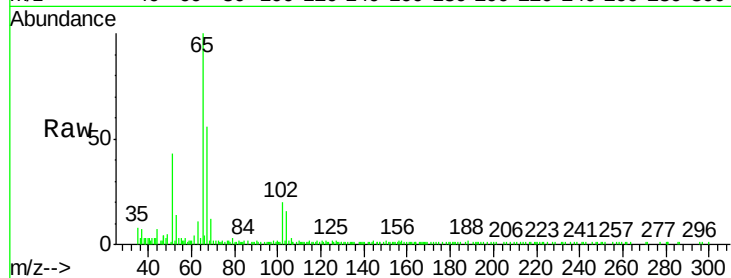
#33
 1,2-Dichloroethane-d4
 Concen: 5.514 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX014681.D
 Acq: 22 Jan 2020 10:41

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.4	0.0	107.4

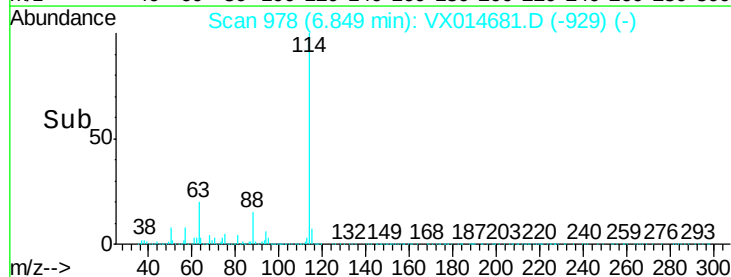
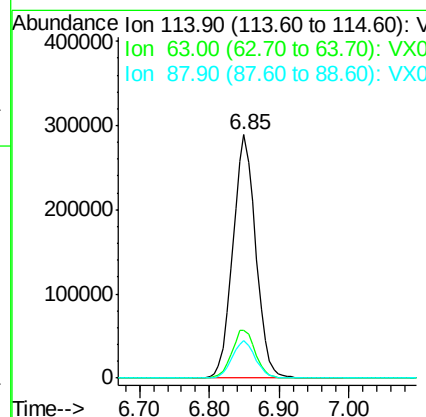
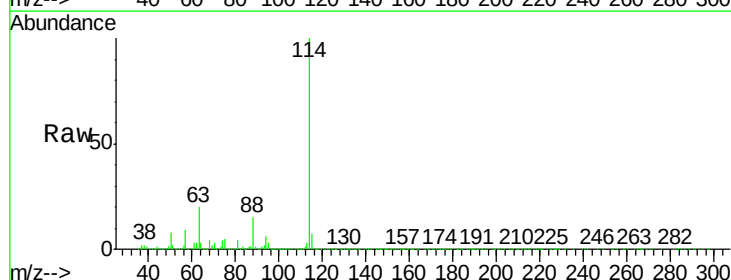
Manual Integrations
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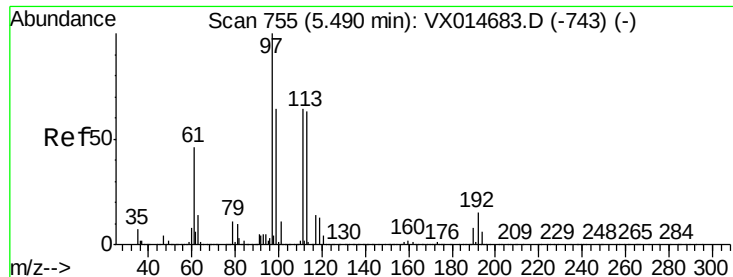
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014681.D
 Acq: 22 Jan 2020 10:41

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	40.6
88	15.1	0.0	31.2





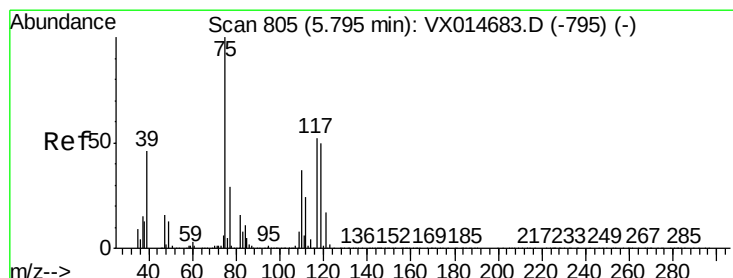
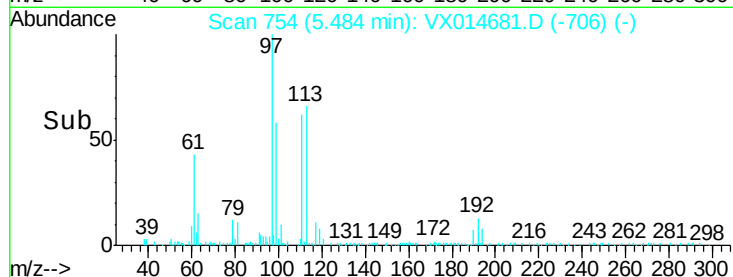
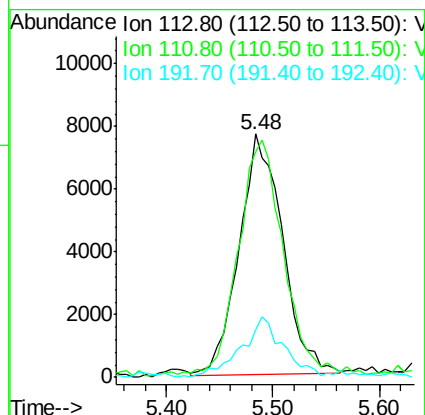
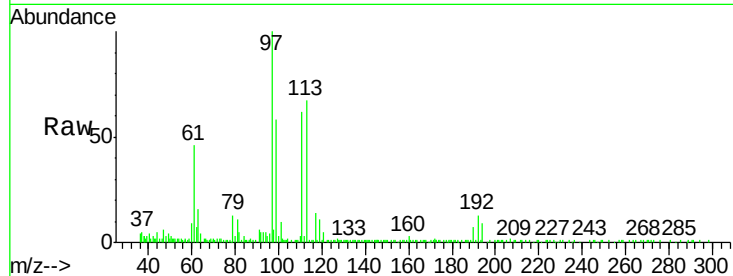
#35
Dibromofluoromethane
Concen: 5.481 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.01 min
Lab File: VX014681.D
Acq: 22 Jan 2020 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	99.8	80.7	121.1
192	24.7	18.5	27.7

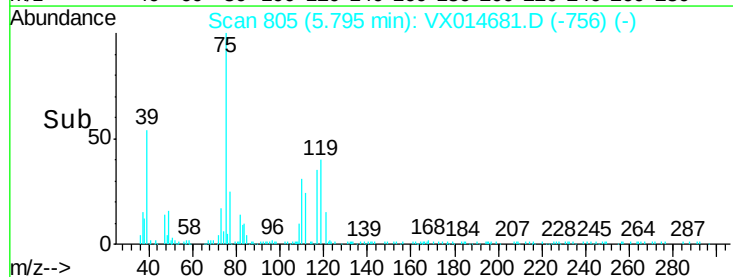
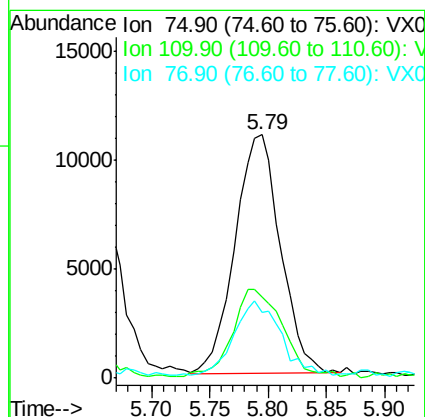
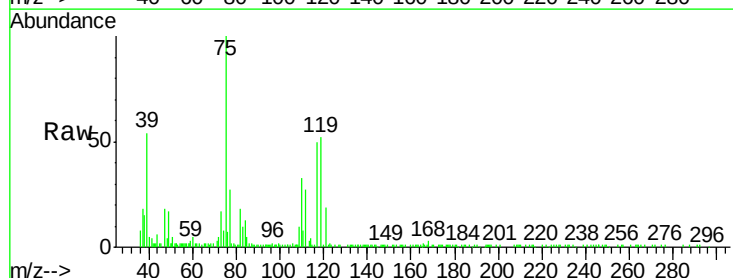
Manual Integrations
APPROVED

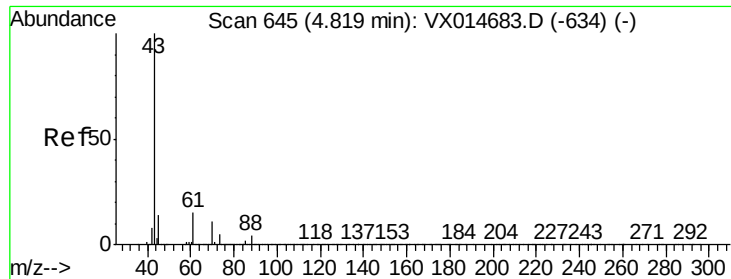
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#36
1,1-Dichloropropene
Concen: 4.798 ug/l
RT: 5.79 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX014681.D
Acq: 22 Jan 2020 10:41

Tgt Ion	Ratio	Lower	Upper
75	100		
110	40.9	17.9	53.7
77	32.0	24.1	36.1





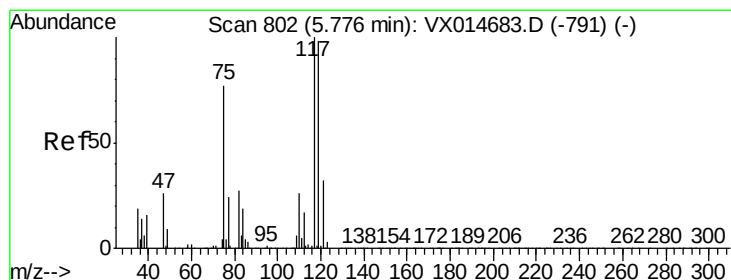
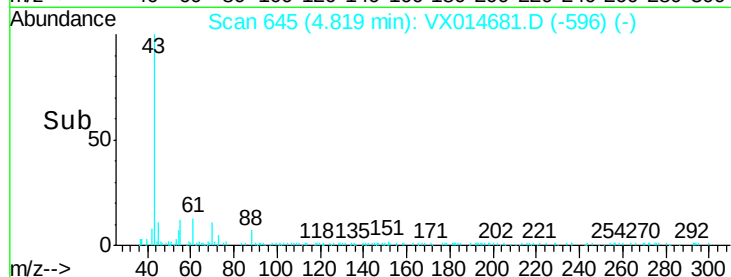
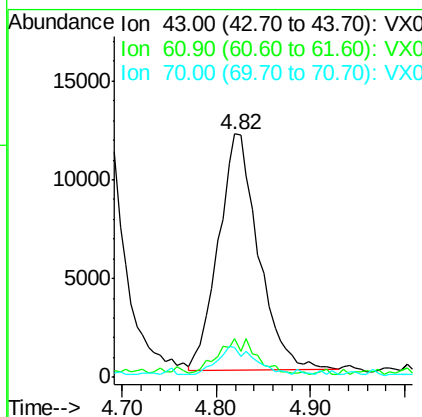
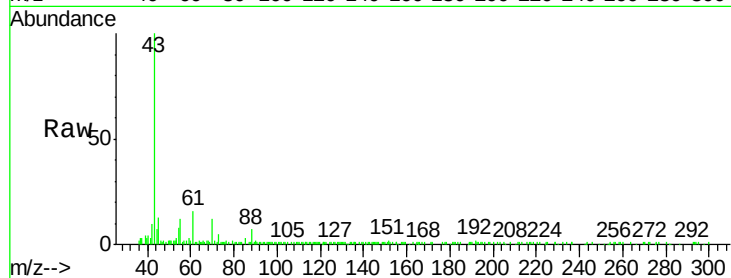
#37
Ethyl Acetate
Concen: 5.209 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX014681.D
Acq: 22 Jan 2020 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	11.0	16.4
70	11.0	8.5	12.7

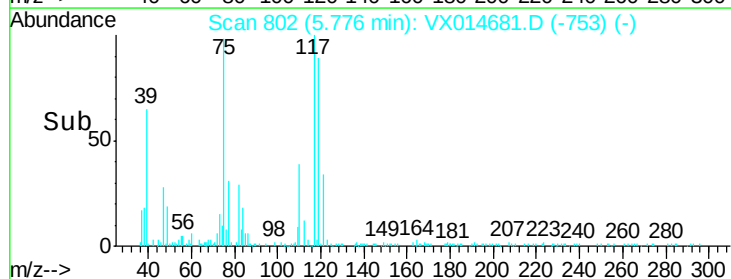
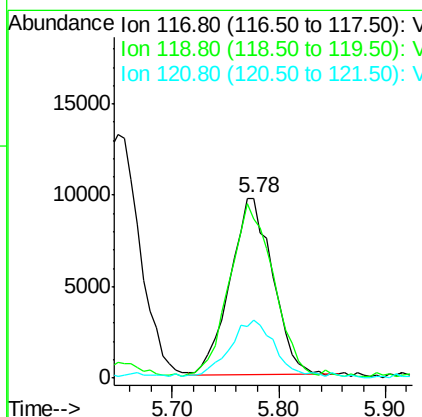
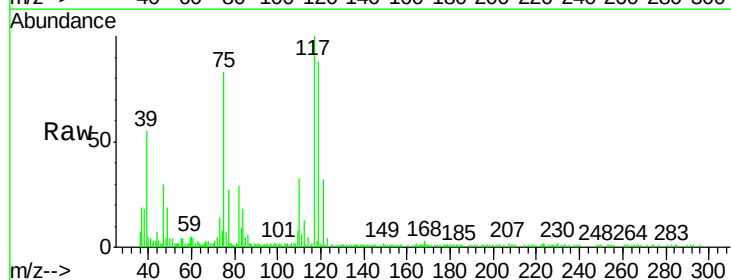
Manual Integrations
APPROVED

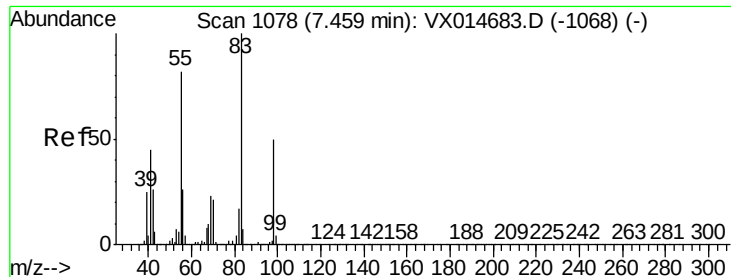
MMDadoda
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#38
Carbon Tetrachloride
Concen: 4.736 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX014681.D
Acq: 22 Jan 2020 10:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	88.9	77.9	116.9
121	31.3	25.4	38.2





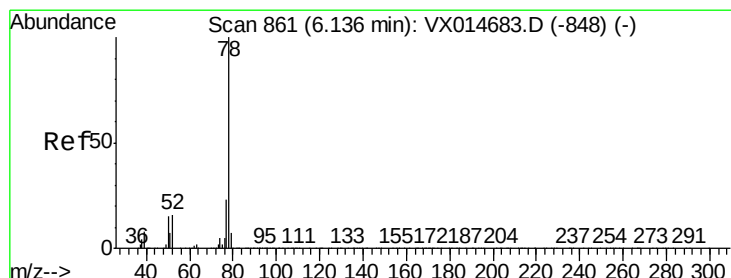
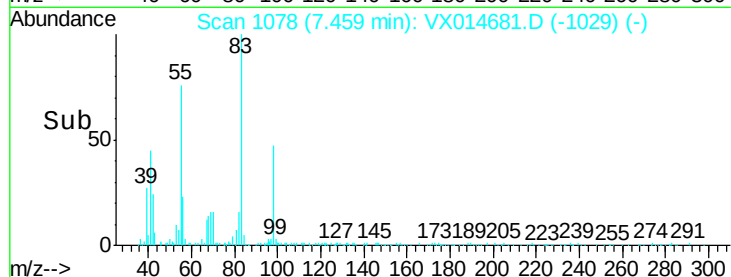
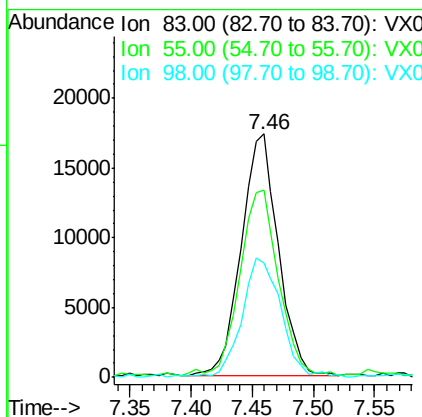
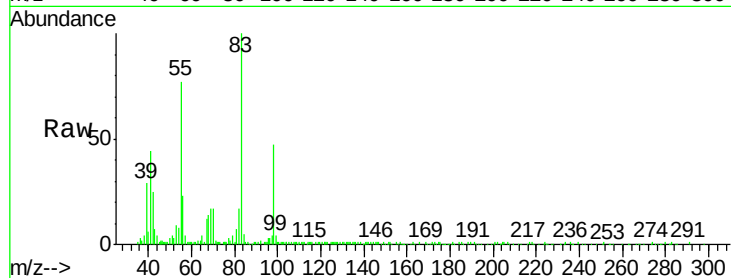
#39
Methylvlcyclohexane
Concen: 4.717 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VX014681.D
Acq: 22 Jan 2020 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.2	65.6	98.4
98	46.7	40.2	60.4

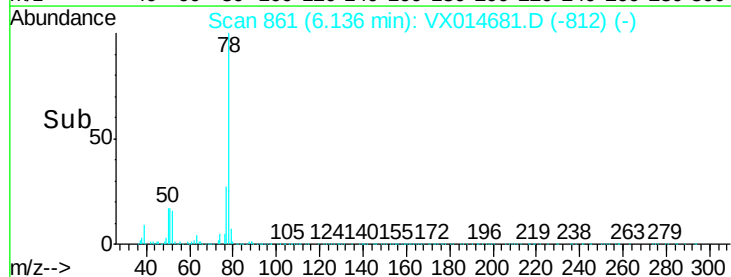
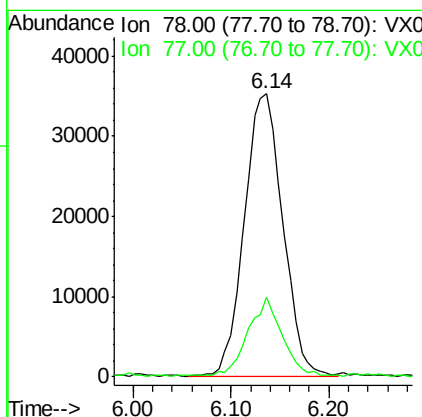
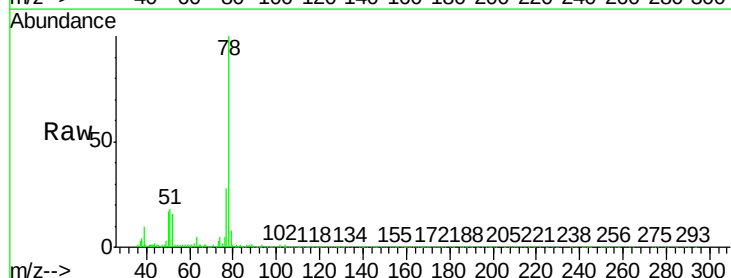
Manual Integrations
APPROVED

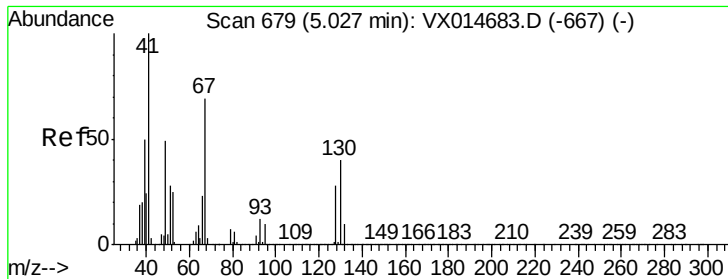
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#40
Benzene
Concen: 5.179 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.00 min
Lab File: VX014681.D
Acq: 22 Jan 2020 10:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	27.6	18.7	28.1





#41

Methacrylonitrile

Concen: 5.005 ug/l

RT: 5.03 min Scan# 680

Delta R.T. 0.01 min

Lab File: VX014681.D

Acq: 22 Jan 2020 10:41

Instrument :

MSVOA_X

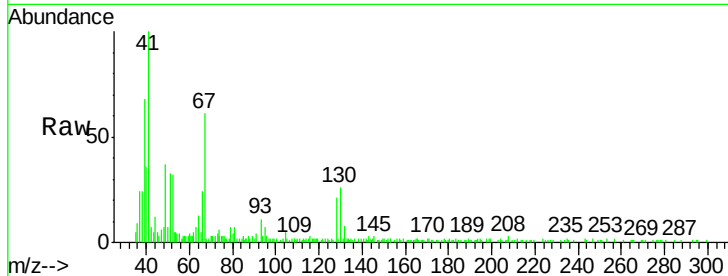
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
39	57.7	42.2	63.2
67	67.7	55.4	83.0
52	30.6	22.1	33.1

Manual Integrations
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MMDadoda
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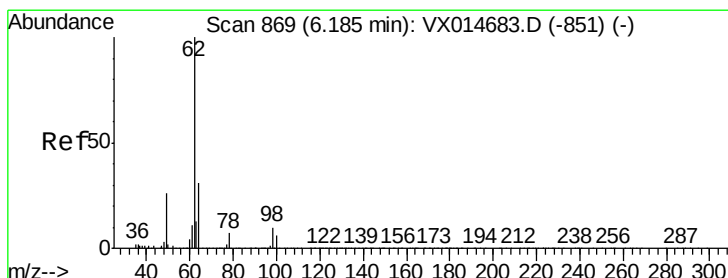
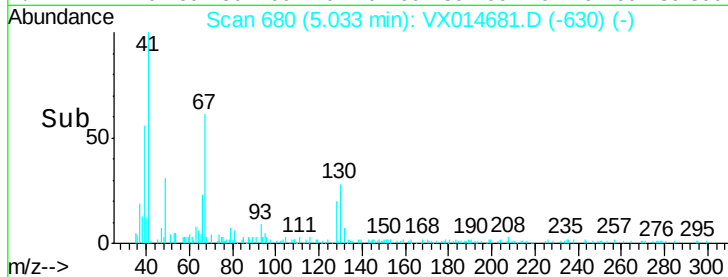
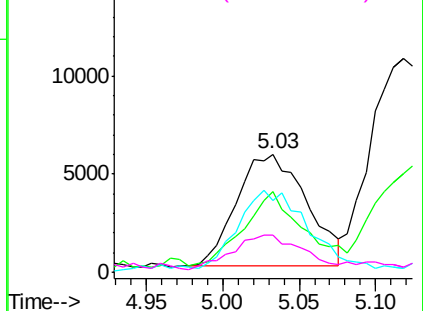


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 5.150 ug/l

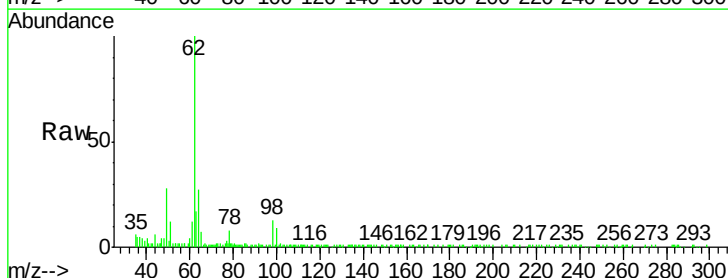
RT: 6.18 min Scan# 869

Delta R.T. 0.00 min

Lab File: VX014681.D

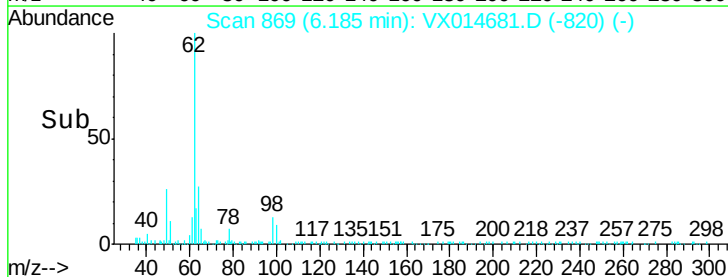
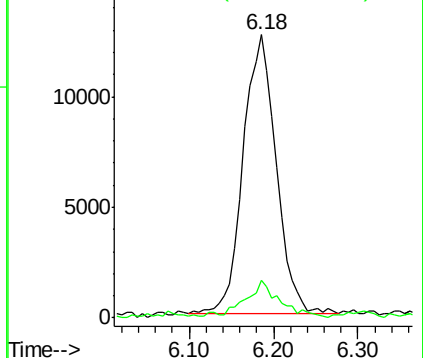
Acq: 22 Jan 2020 10:41

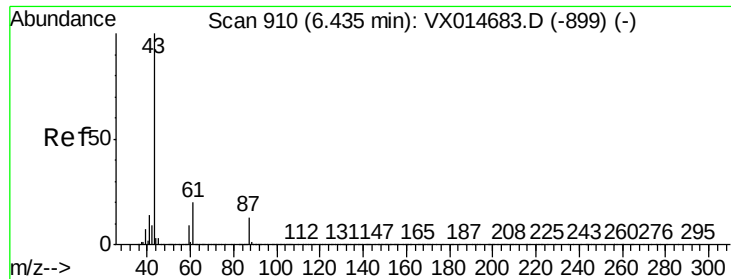
Tgt Ion	Ratio	Lower	Upper
62	100		
98	14.0	0.0	20.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 5.034 ug/l

RT: 6.43 min Scan# 910

Delta R.T. 0.00 min

Lab File: VX014681.D

Acq: 22 Jan 2020 10:41

Instrument :

MSVOA_X

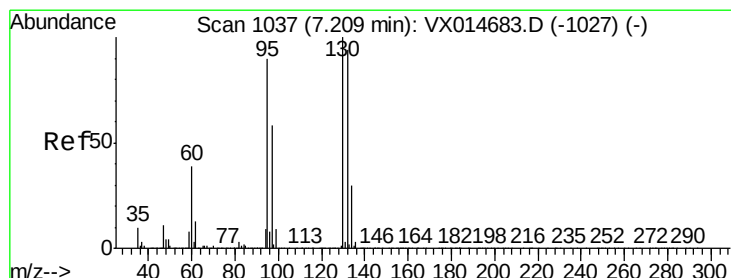
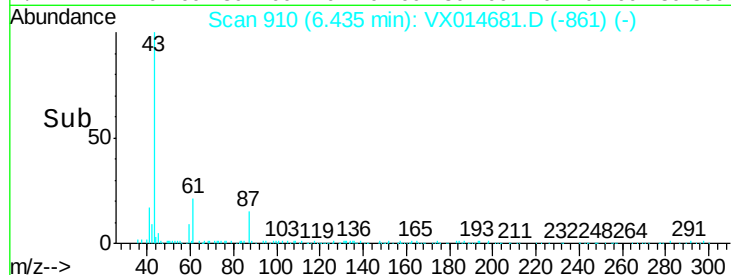
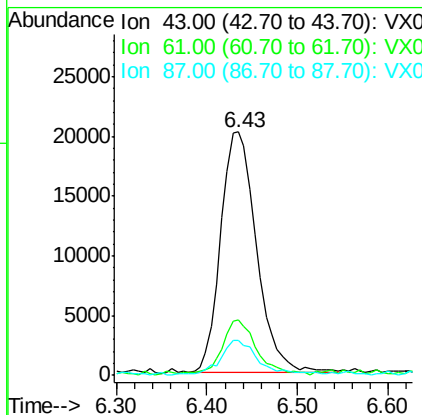
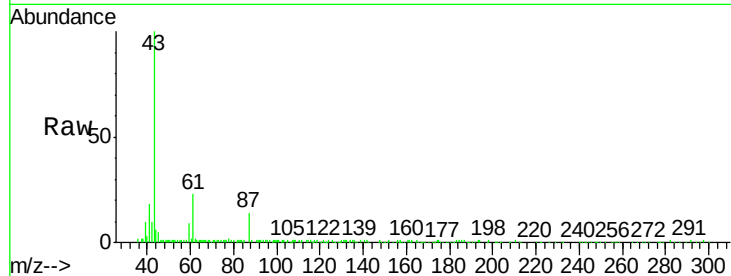
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	55012
Ion	Ratio	Lower	Upper
43	100		
61	22.5	16.2	24.4
87	14.2	10.5	15.7

Manual Integrations
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#44

Trichloroethene

Concen: 5.207 ug/l

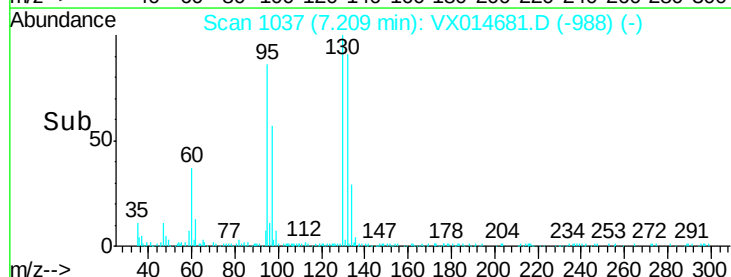
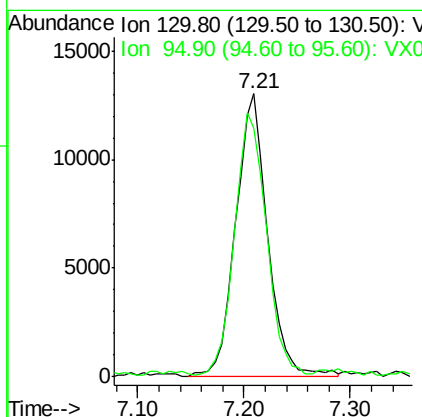
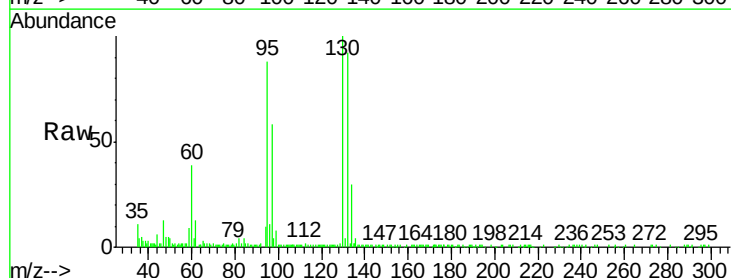
RT: 7.21 min Scan# 1037

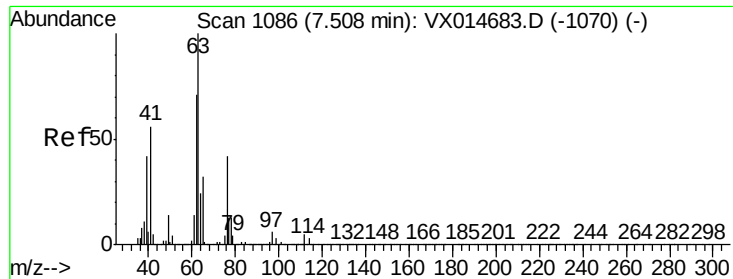
Delta R.T. 0.00 min

Lab File: VX014681.D

Acq: 22 Jan 2020 10:41

Tgt Ion:	130	Resp:	27564
Ion	Ratio	Lower	Upper
130	100		
95	86.6	0.0	179.8





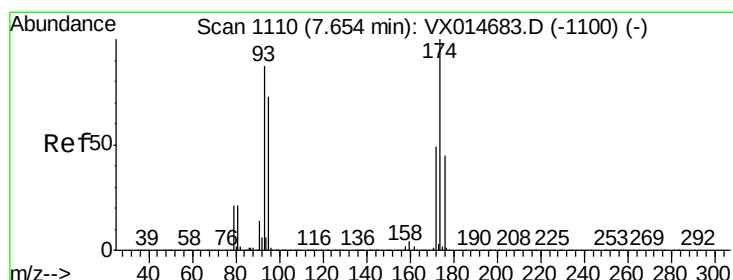
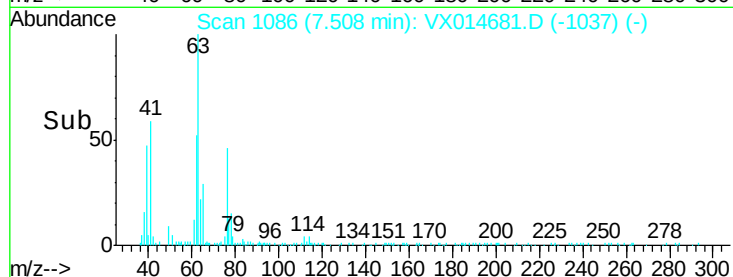
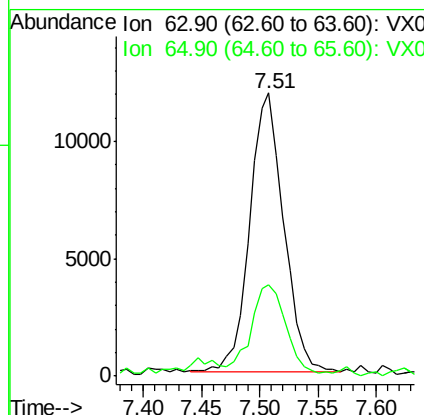
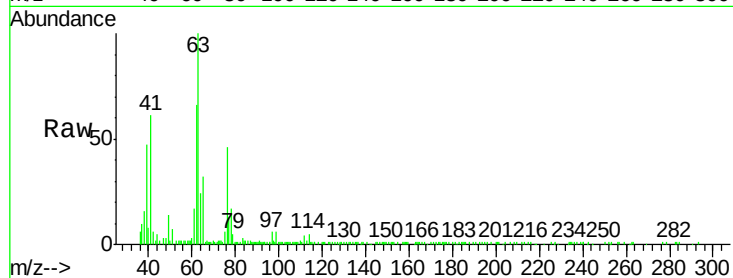
#45
 1,2-Dichloropropane
 Concen: 5.102 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX014681.D
 Acq: 22 Jan 2020 10:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.1	25.2	37.8

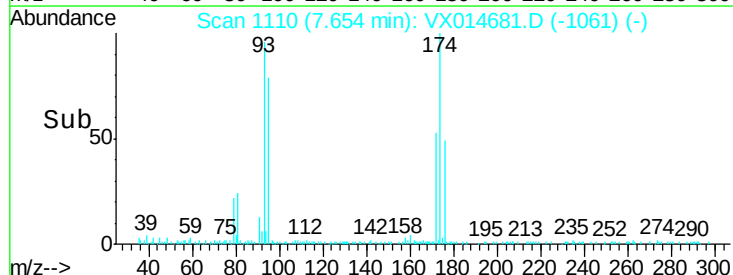
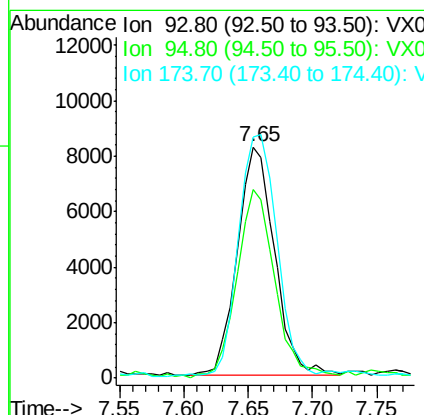
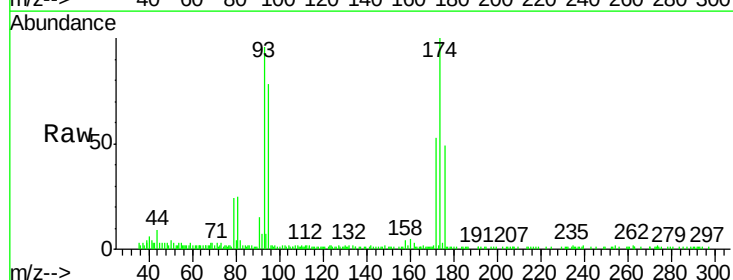
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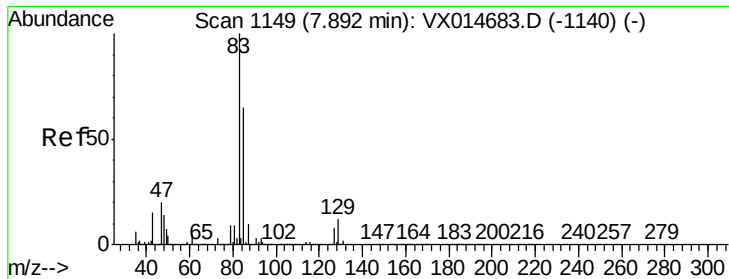
MMDadoda
 1/24/2020 1:38:57 PM



#46
 Dibromomethane
 Concen: 5.077 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX014681.D
 Acq: 22 Jan 2020 10:41

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.9	67.0	100.4
174	108.9	90.2	135.2





#47

Bromodichloromethane

Concen: 5.055 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX014681.D

Acq: 22 Jan 2020 10:41

Instrument :

MSVOA_X

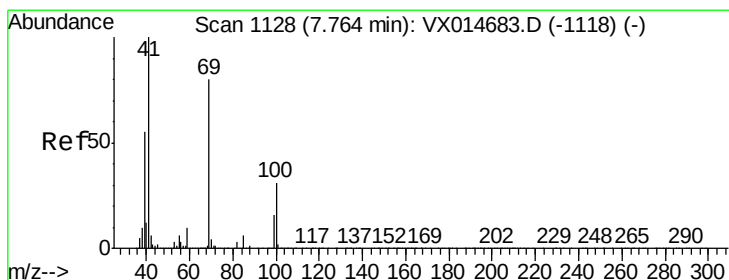
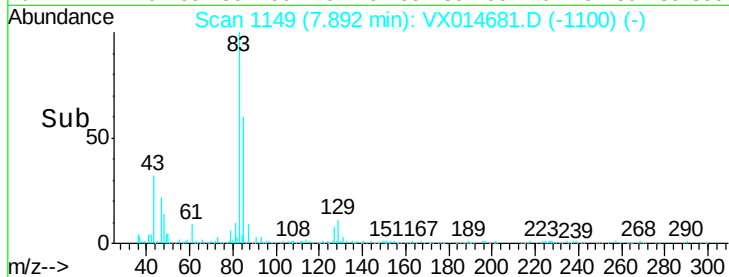
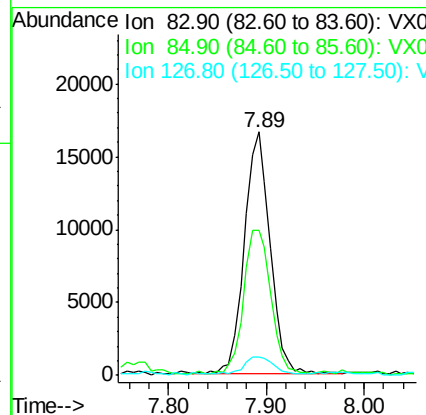
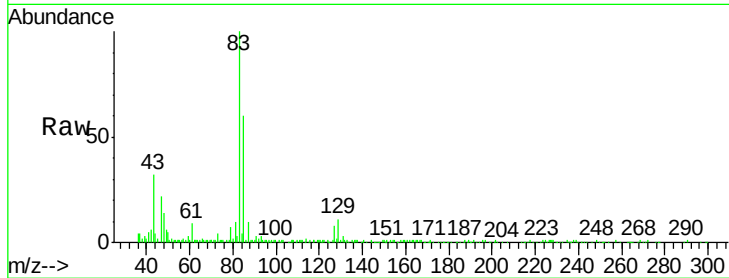
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	30309
Ion	Ratio	Lower	Upper
83	100		
85	59.4	52.2	78.2
127	6.6	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 5.064 ug/l

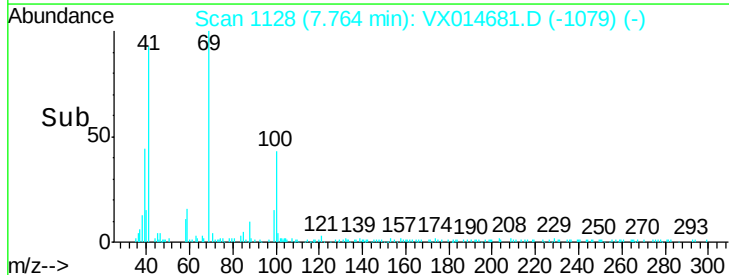
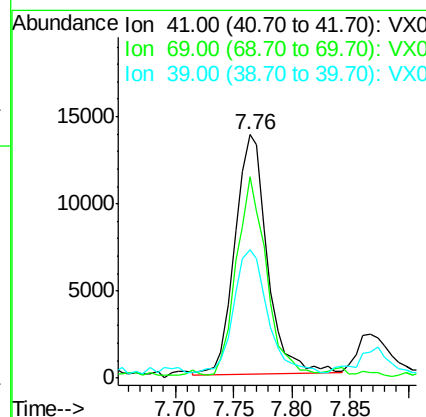
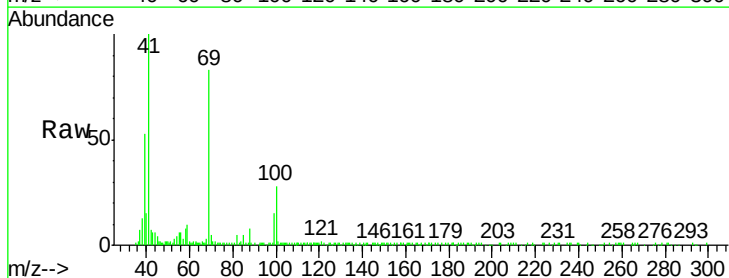
RT: 7.76 min Scan# 1128

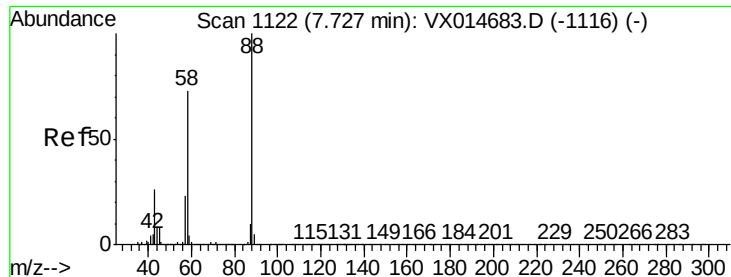
Delta R.T. 0.00 min

Lab File: VX014681.D

Acq: 22 Jan 2020 10:41

Tgt Ion:	41	Resp:	26601
Ion	Ratio	Lower	Upper
41	100		
69	76.5	63.5	95.3
39	53.4	43.7	65.5





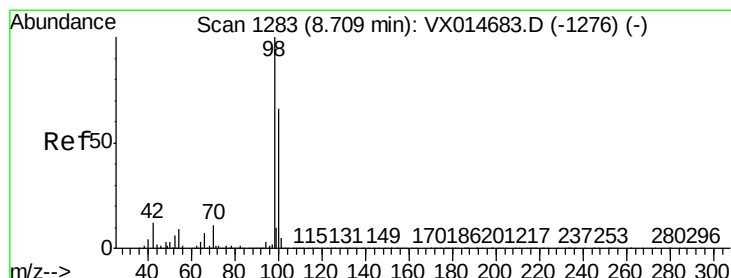
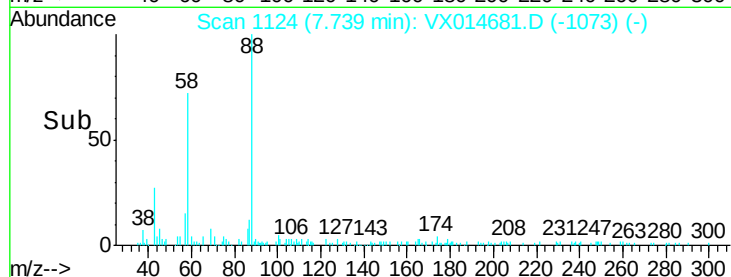
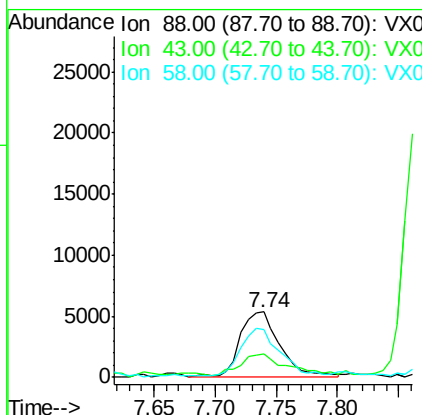
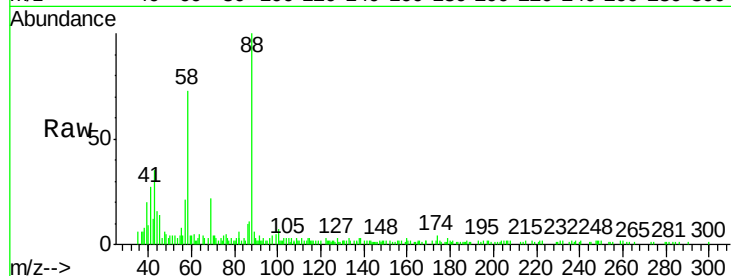
#49
1,4-Dioxane
Concen: 111.288 ug/l
RT: 7.74 min Scan# 1124
Delta R.T. 0.01 min
Lab File: VX014681.D
Acq: 22 Jan 2020 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.8	26.2	39.2#
58	69.3	56.6	85.0

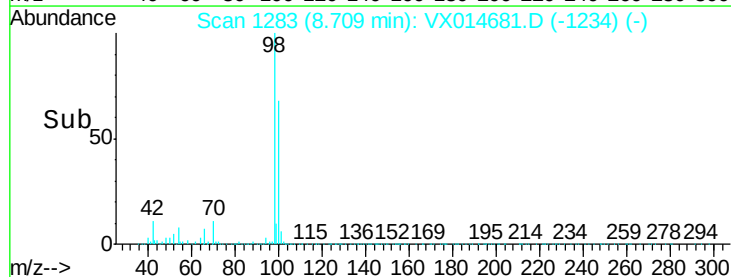
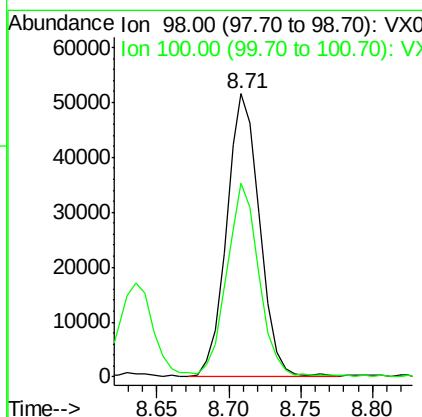
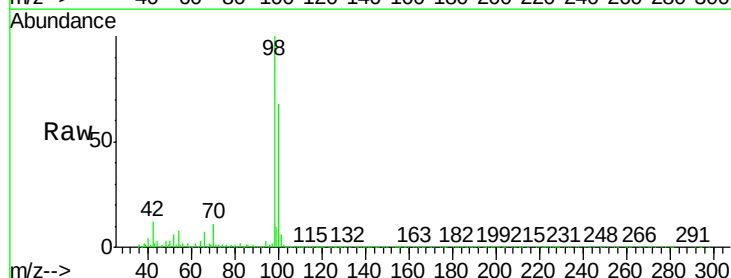
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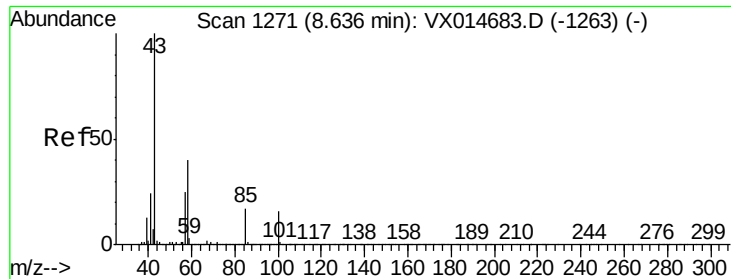
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#50
Toluene-d8
Concen: 5.240 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX014681.D
Acq: 22 Jan 2020 10:41

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.8	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 26.654 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX014681.D

Acq: 22 Jan 2020 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 178108

Ion Ratio Lower Upper

43 100

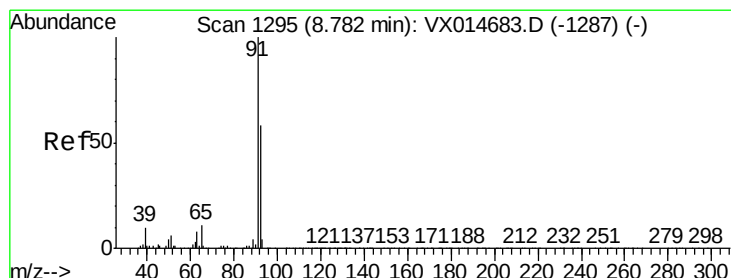
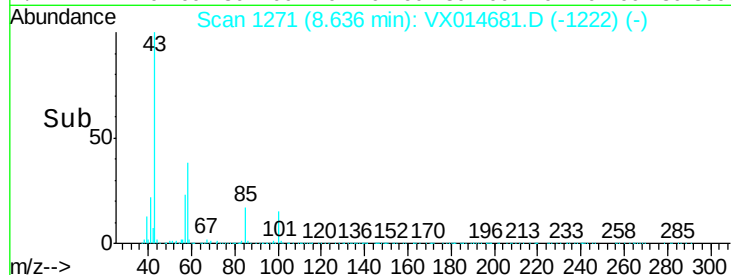
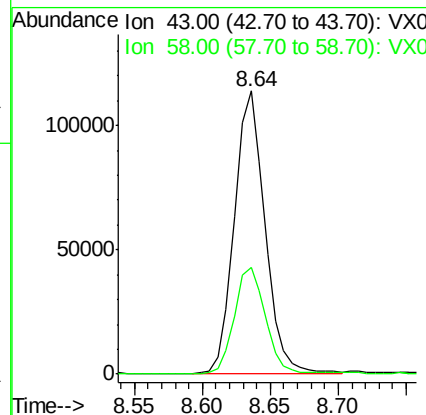
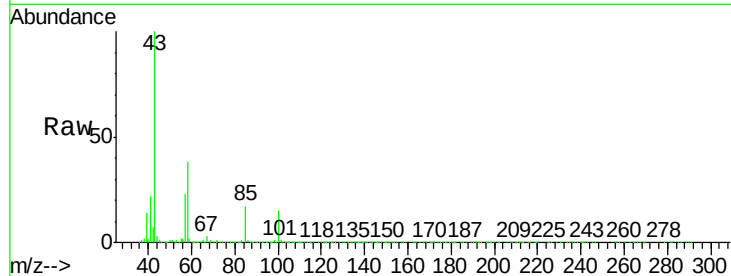
58 38.4 31.6 47.4

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#52

Toluene

Concen: 4.926 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX014681.D

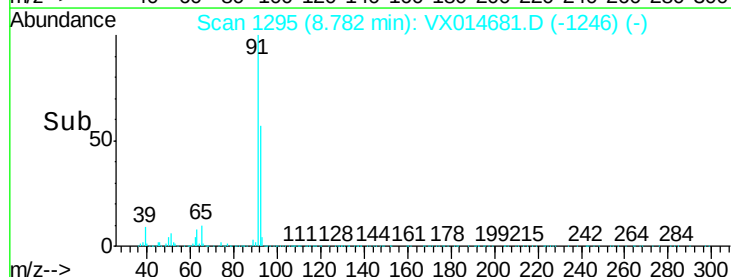
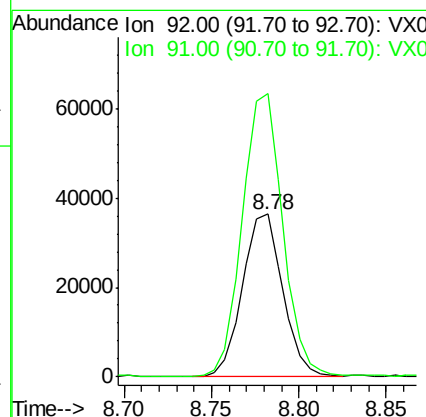
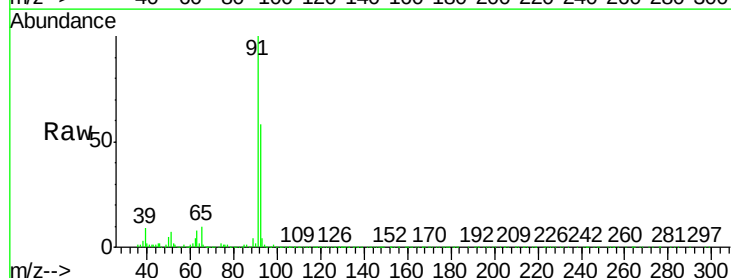
Acq: 22 Jan 2020 10:41

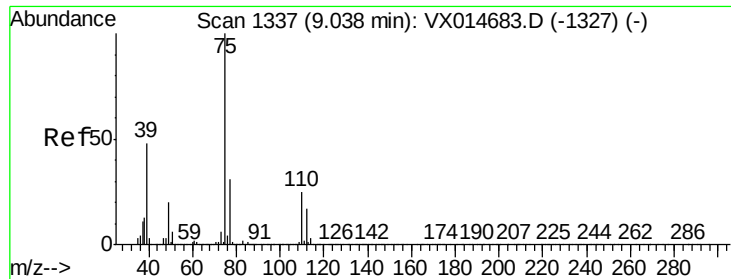
Tgt Ion: 92 Resp: 58131

Ion Ratio Lower Upper

92 100

91 175.3 135.9 203.9





#53

t-1,3-Dichloropropene

Concen: 4.278 ug/l

RT: 9.03 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VX014681.D

Acq: 22 Jan 2020 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 29636

Ion Ratio Lower Upper

75 100

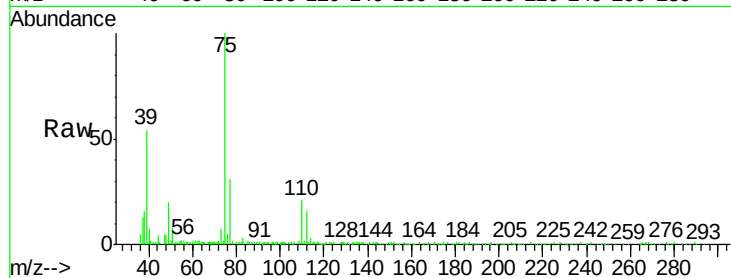
77 30.8 24.9 37.3

Manual Integrations

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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

20000

15000

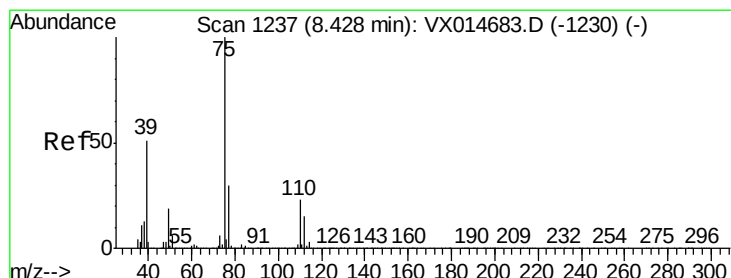
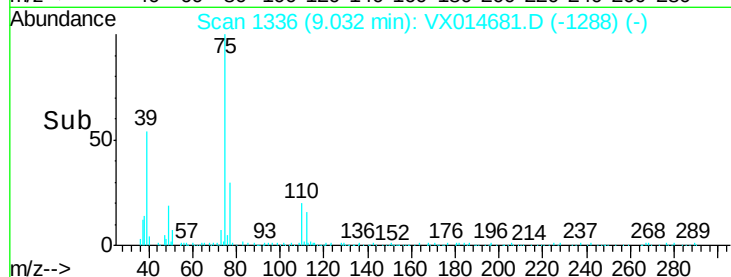
10000

5000

0

8.95 9.00 9.05 9.10 9.15

Time-->



#54

cis-1,3-Dichloropropene

Concen: 4.432 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VX014681.D

Acq: 22 Jan 2020 10:41

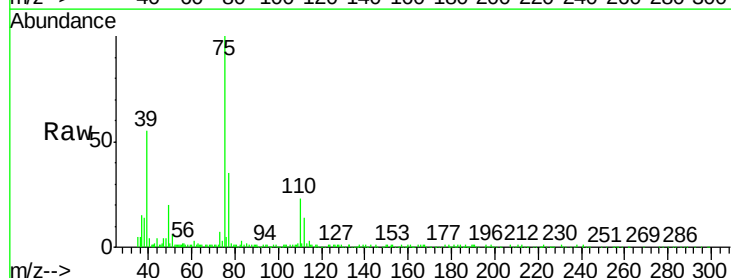
Tgt Ion: 75 Resp: 33229

Ion Ratio Lower Upper

75 100

77 34.3 23.9 35.9

39 56.2 40.9 61.3



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

25000

20000

15000

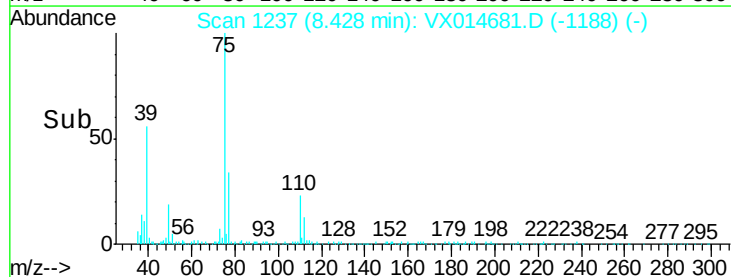
10000

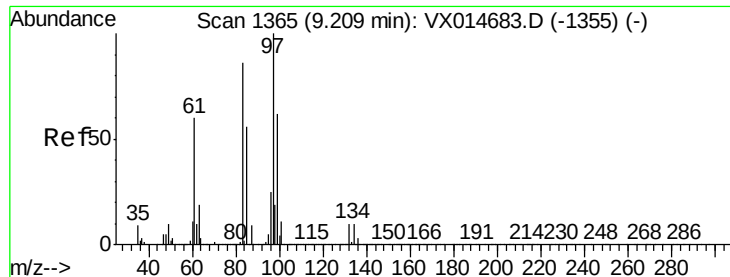
5000

0

8.35 8.40 8.45 8.50

Time-->





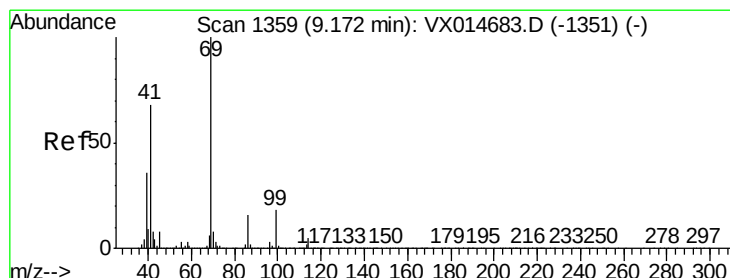
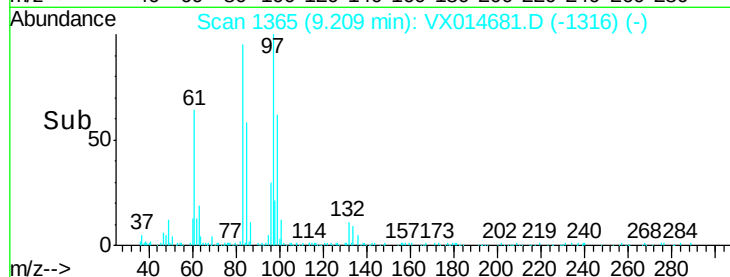
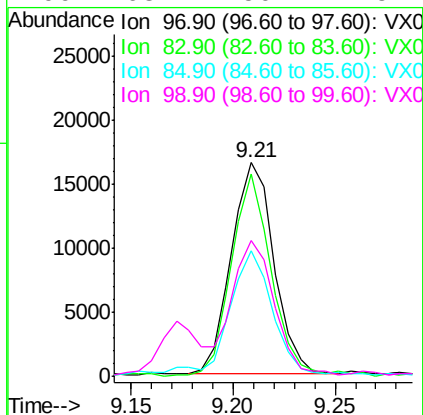
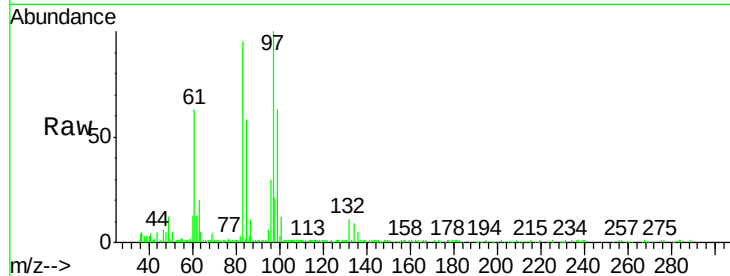
#55
 1,1,2-Trichloroethane
 Concen: 5.014 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX014681.D
 Acq: 22 Jan 2020 10:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	23833
Ion	Ratio	Lower	Upper
97	100		
83	95.3	69.2	103.8
85	57.4	44.6	67.0
99	63.4	50.1	75.1

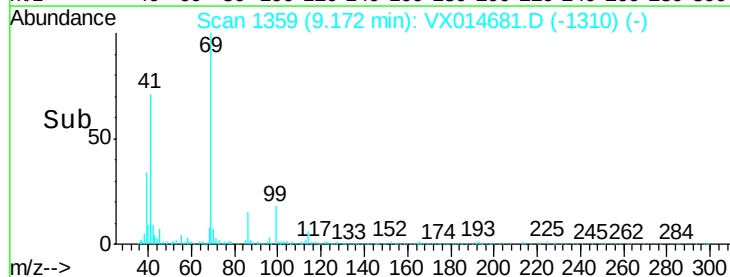
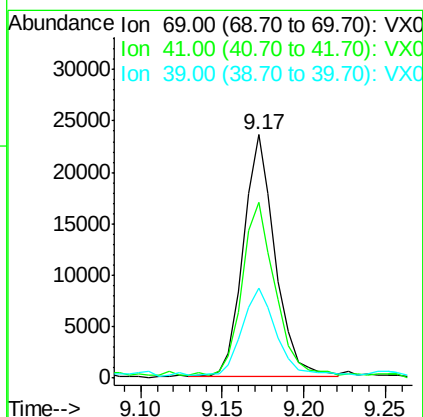
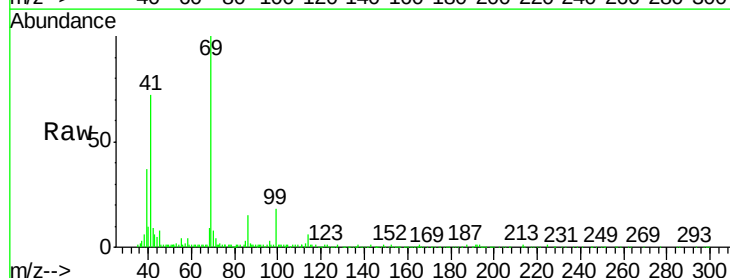
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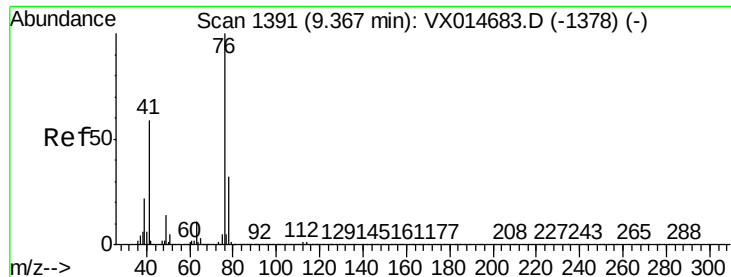
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#56
 Ethyl methacrylate
 Concen: 4.393 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX014681.D
 Acq: 22 Jan 2020 10:41

Tgt Ion:	69	Resp:	31844
Ion	Ratio	Lower	Upper
69	100		
41	74.1	54.9	82.3
39	39.2	29.3	43.9





#57

1,3-Dichloropropane

Concen: 5.090 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX014681.D

Acq: 22 Jan 2020 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 40545

Ion Ratio Lower Upper

76 100

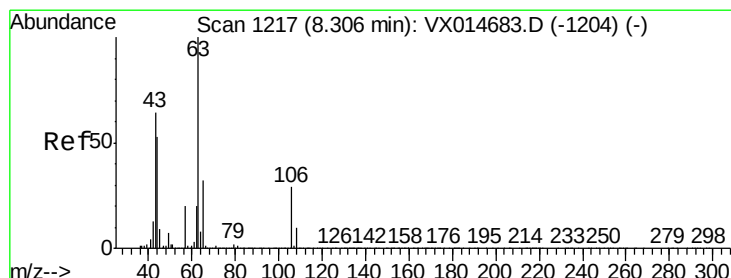
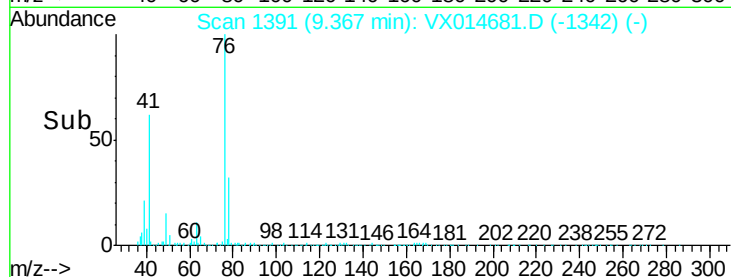
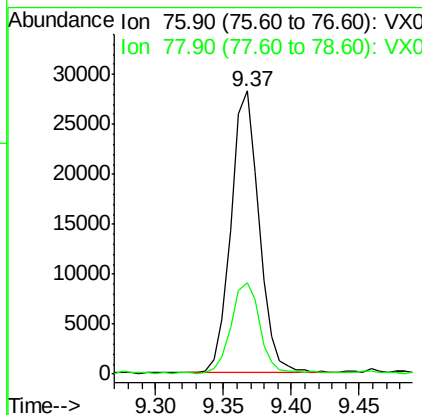
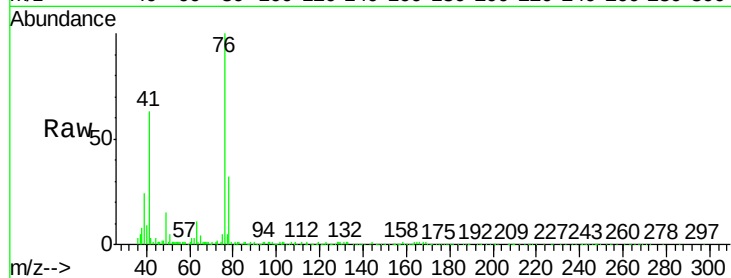
78 33.7 26.0 39.0

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#58

2-Chloroethyl Vinyl ether

Concen: 22.223 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX014681.D

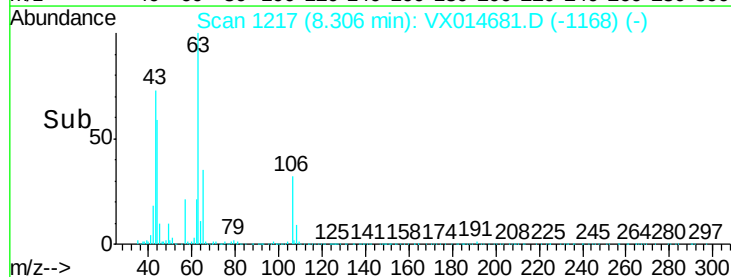
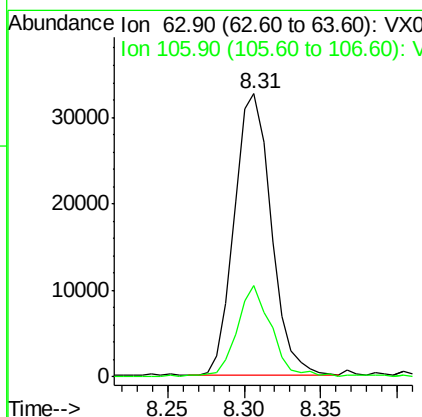
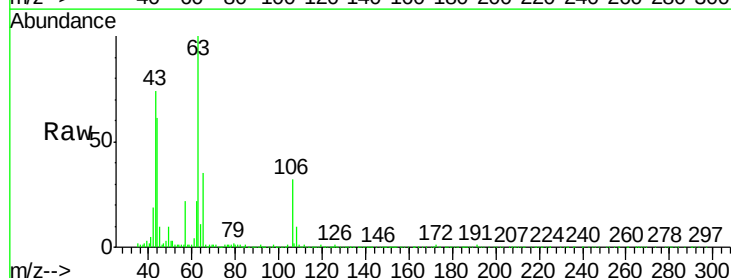
Acq: 22 Jan 2020 10:41

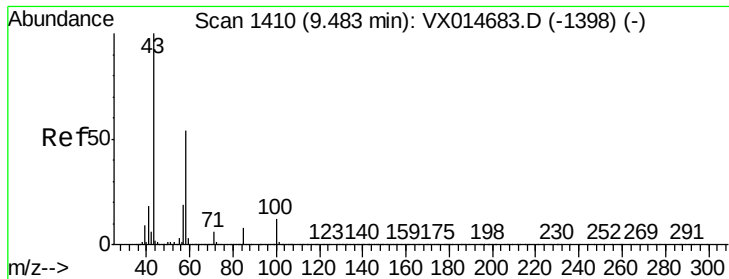
Tgt Ion: 63 Resp: 54877

Ion Ratio Lower Upper

63 100

106 30.7 22.7 34.1





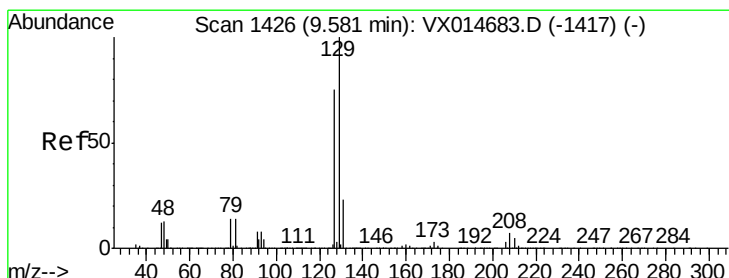
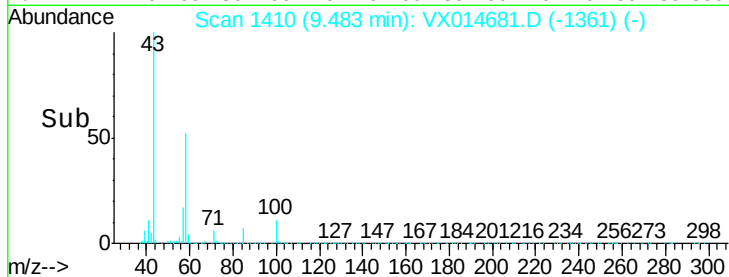
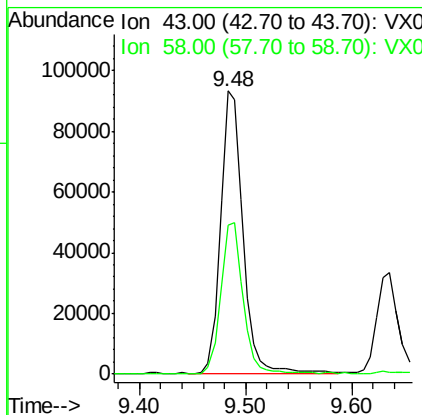
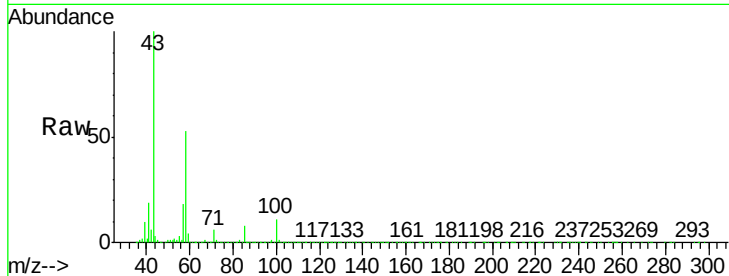
#59
2-Hexanone
Concen: 25.653 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. 0.00 min
Lab File: VX014681.D
Acq: 22 Jan 2020 10:41

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion: 43 Resp: 135462
Ion Ratio Lower Upper
43 100
58 53.3 27.2 81.5

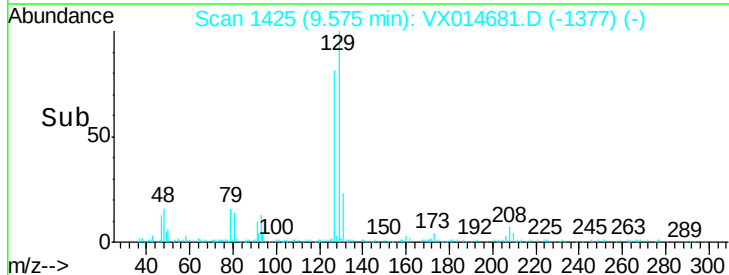
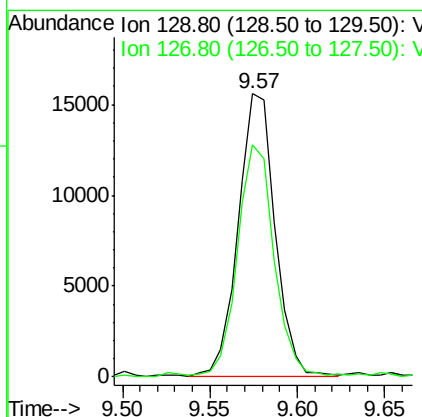
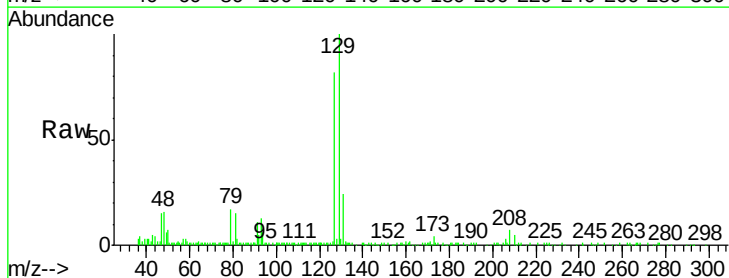
Manual Integrations
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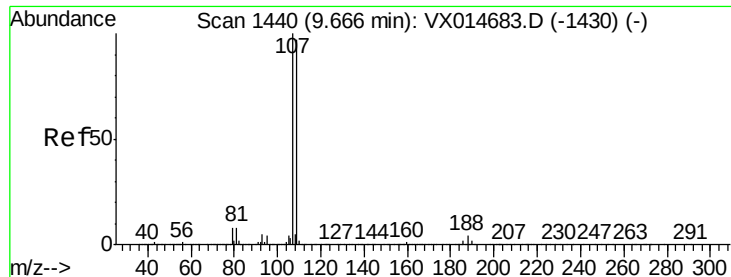
MMDadoda
1/24/2020 1:38:57 PM



#60
Dibromochloromethane
Concen: 4.745 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.01 min
Lab File: VX014681.D
Acq: 22 Jan 2020 10:41

Tgt Ion: 129 Resp: 22634
Ion Ratio Lower Upper
129 100
127 81.0 38.5 115.5





#61

1,2-Dibromoethane

Concen: 5.074 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX014681.D

Acq: 22 Jan 2020 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:107 Resp: 25511

Ion Ratio Lower Upper

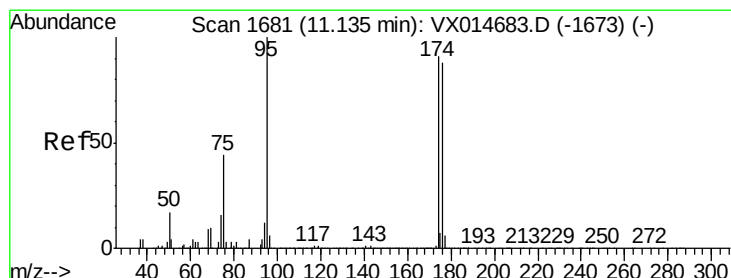
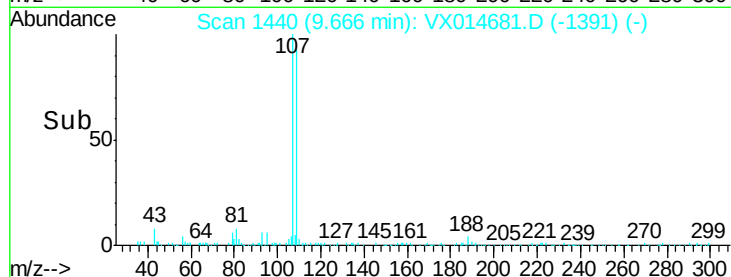
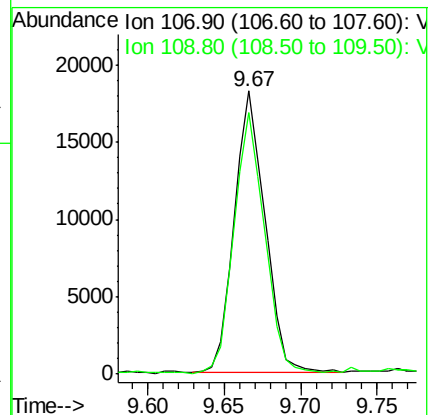
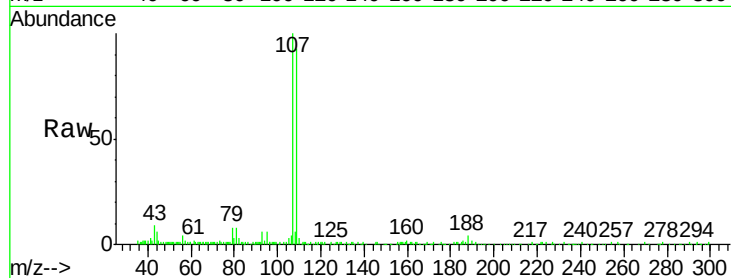
107 100

109 92.9 76.2 114.2

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#62

4-Bromofluorobenzene

Concen: 4.889 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX014681.D

Acq: 22 Jan 2020 10:41

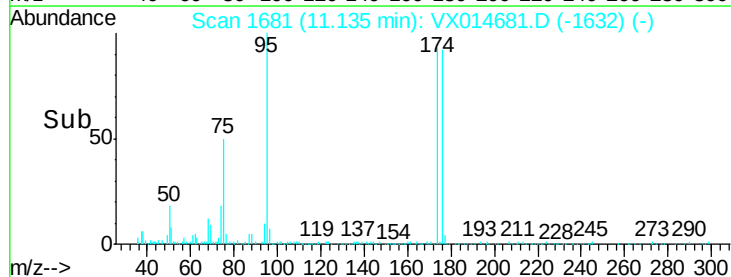
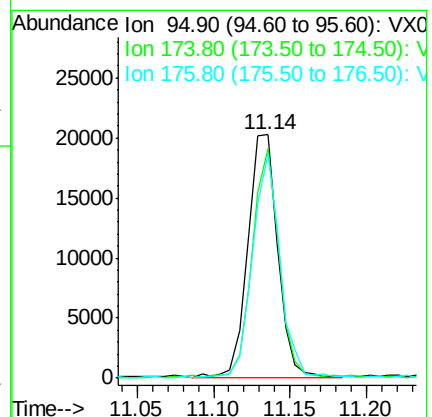
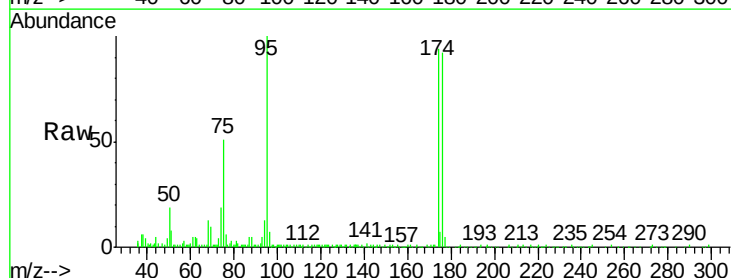
Tgt Ion: 95 Resp: 27722

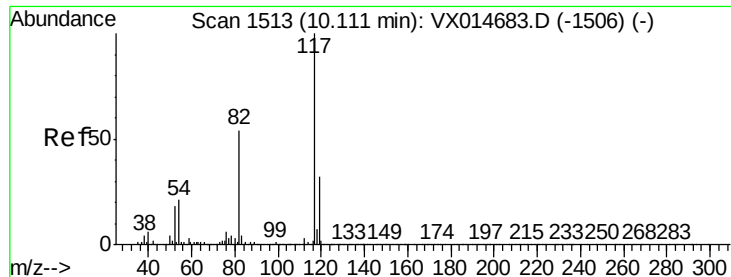
Ion Ratio Lower Upper

95 100

174 83.0 0.0 176.0

176 85.1 0.0 172.2





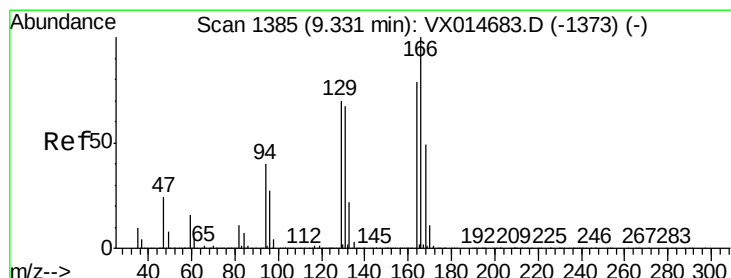
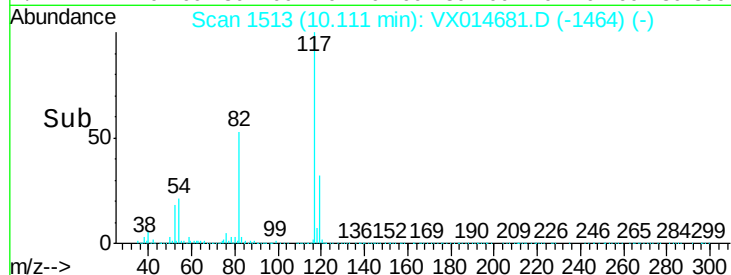
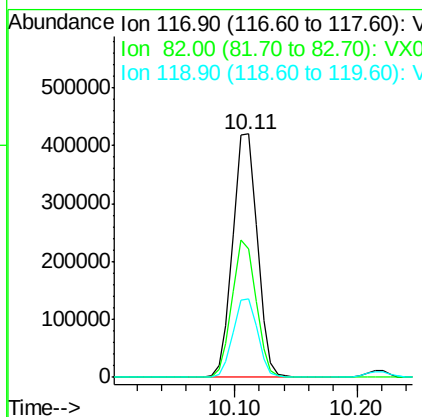
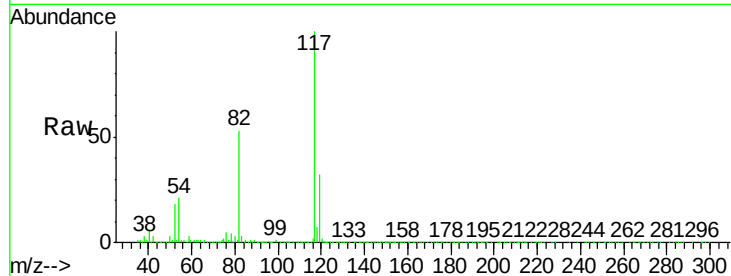
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014681.D
Acq: 22 Jan 2020 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.7	43.2	64.8
119	32.1	25.8	38.6

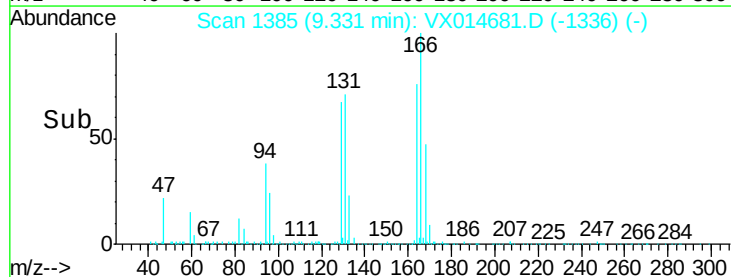
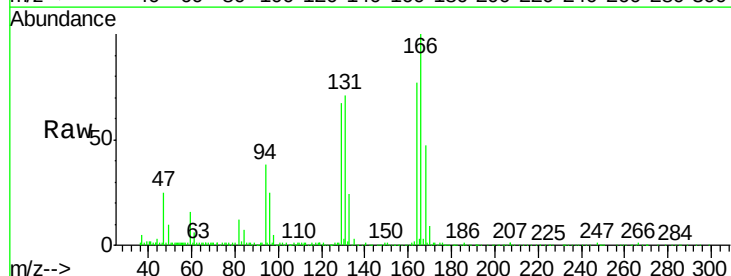
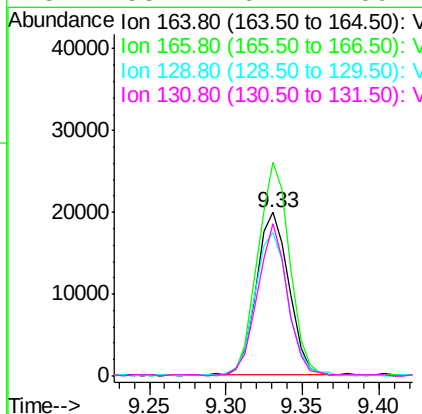
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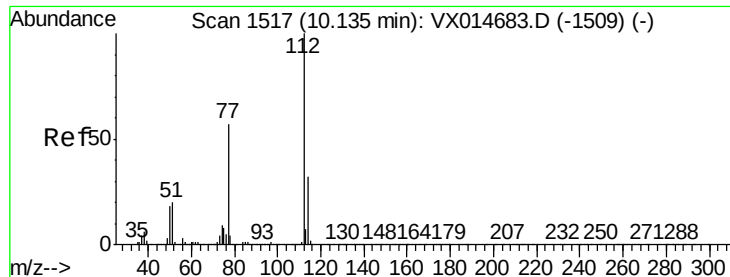
MMDadoda
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#64
Tetrachloroethene
Concen: 5.022 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX014681.D
Acq: 22 Jan 2020 10:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.8	100.9	151.3
129	87.4	71.0	106.6
131	93.2	67.1	100.7





#65

Chlorobenzene

Concen: 5.030 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX014681.D

Acq: 22 Jan 2020 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:112 Resp: 64117

Ion Ratio Lower Upper

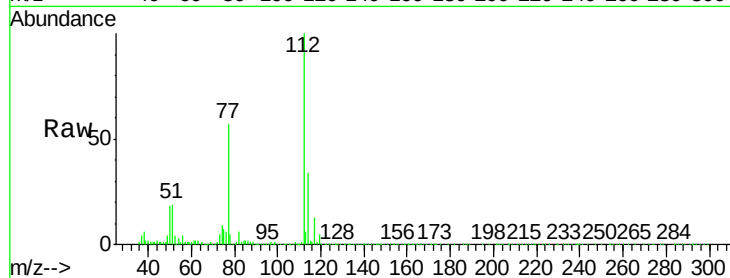
112 100

114 34.3 25.8 38.8

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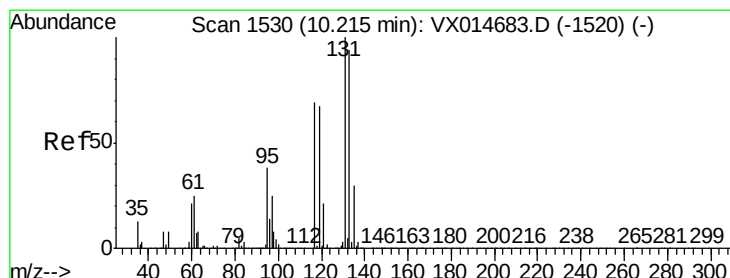
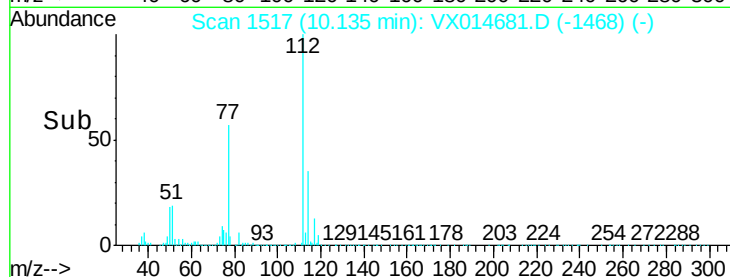
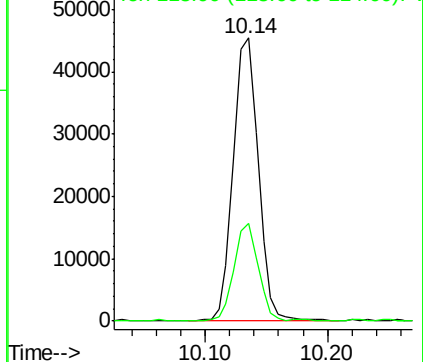
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 4.993 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VX014681.D

Acq: 22 Jan 2020 10:41

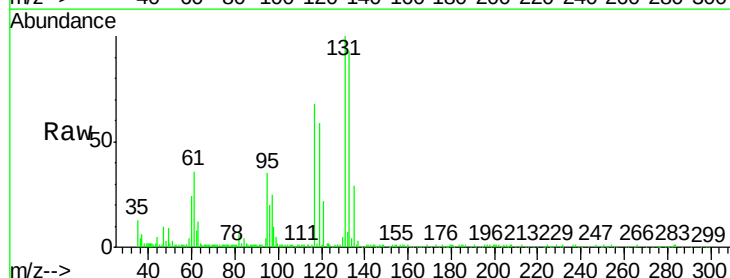
Tgt Ion:131 Resp: 22710

Ion Ratio Lower Upper

131 100

133 90.5 47.4 142.3

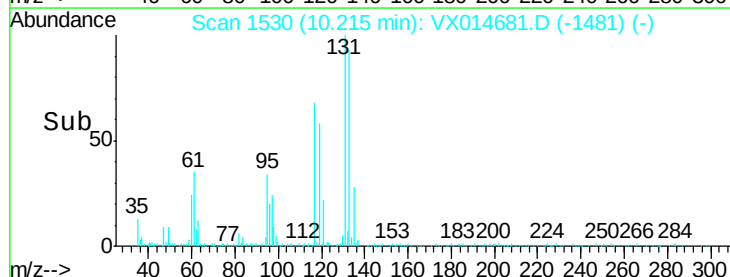
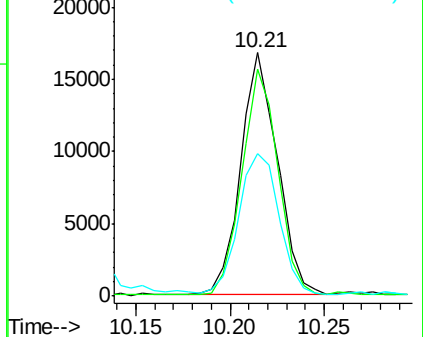
119 64.4 33.3 99.8

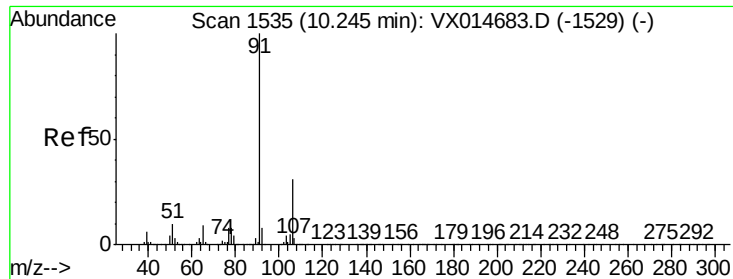


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





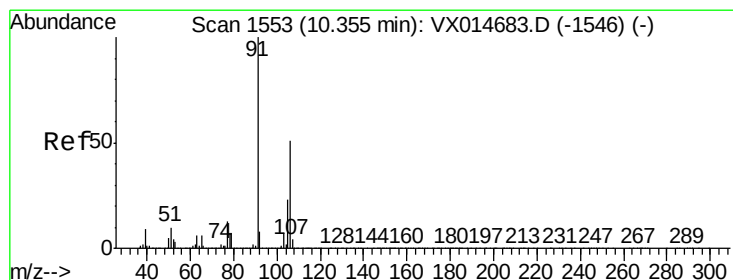
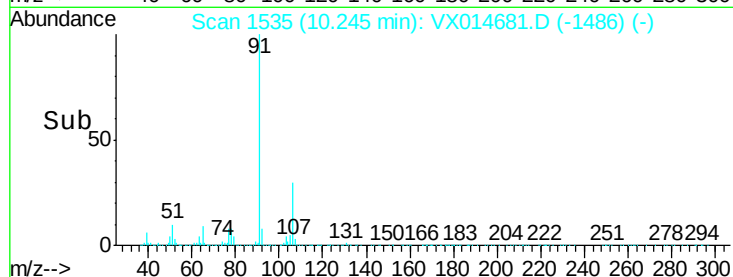
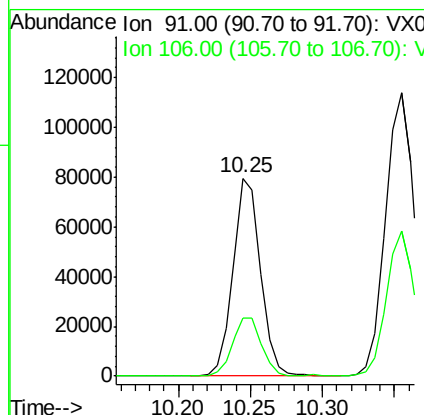
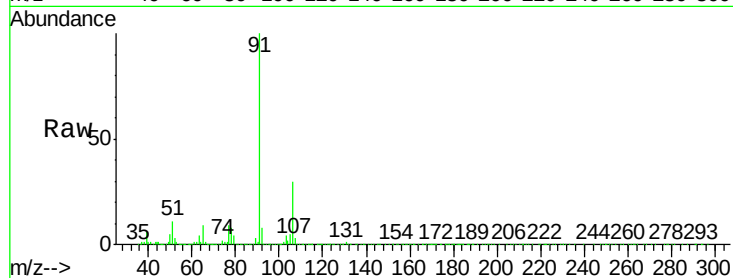
#67
Ethyl Benzene
Concen: 4.865 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX014681.D
Acq: 22 Jan 2020 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 105890
Ion Ratio Lower Upper
91 100
106 29.4 24.9 37.3

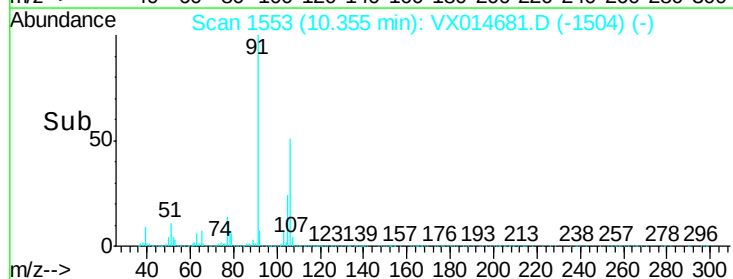
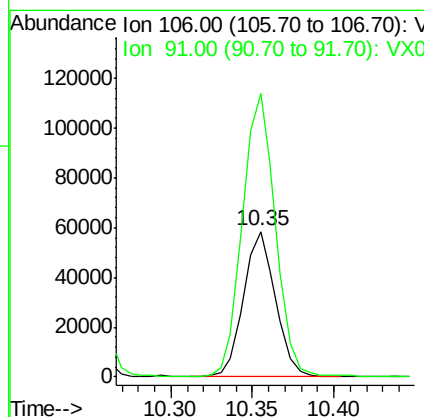
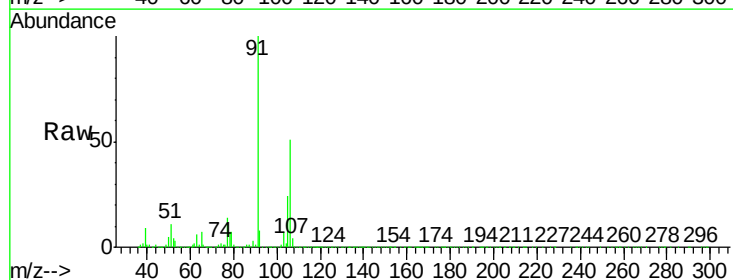
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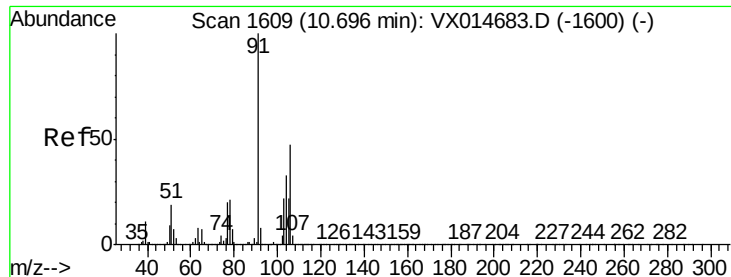
MMDadoda
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#68
m/p-Xylenes
Concen: 9.458 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX014681.D
Acq: 22 Jan 2020 10:41

Tgt Ion: 106 Resp: 79375
Ion Ratio Lower Upper
106 100
91 201.2 159.4 239.2





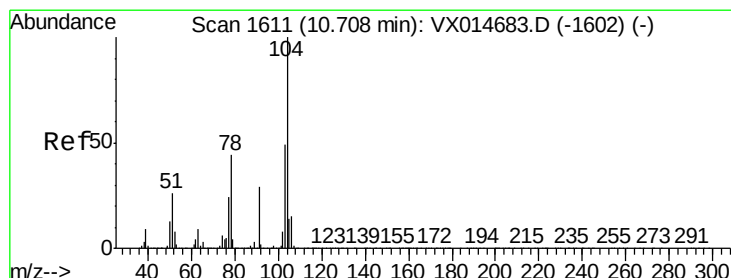
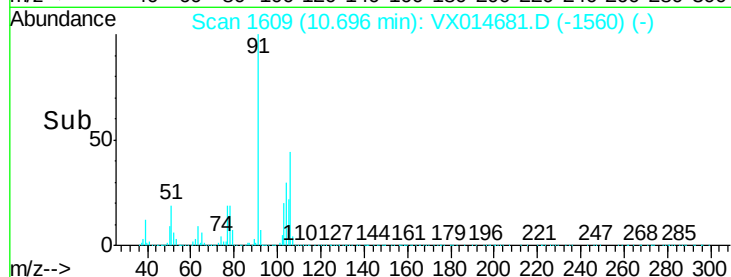
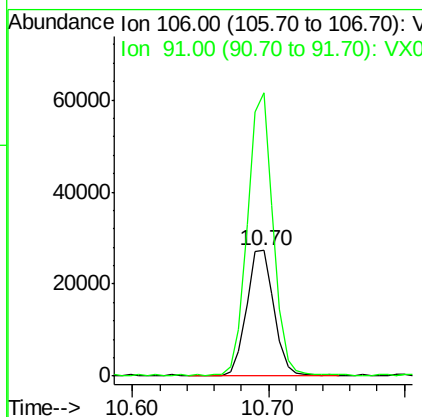
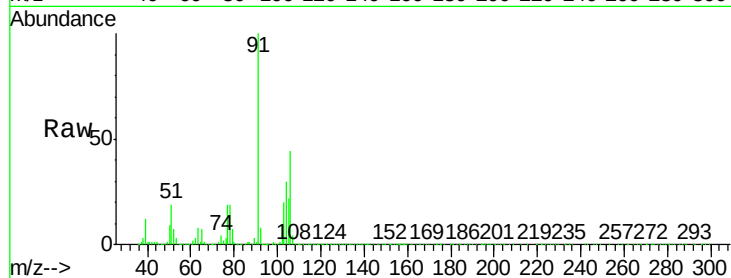
#69
o-Xylene
Concen: 4.795 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX014681.D
Acq: 22 Jan 2020 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
106	100		
91	211.5	106.2	318.6

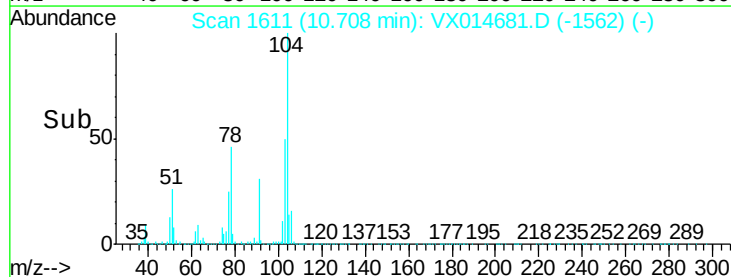
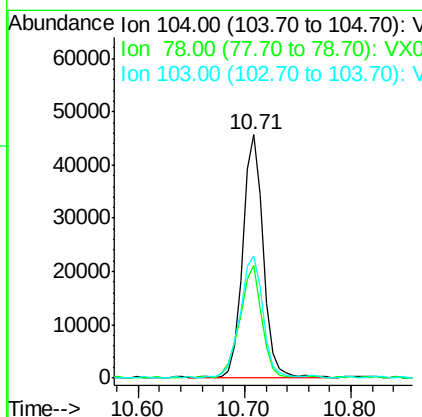
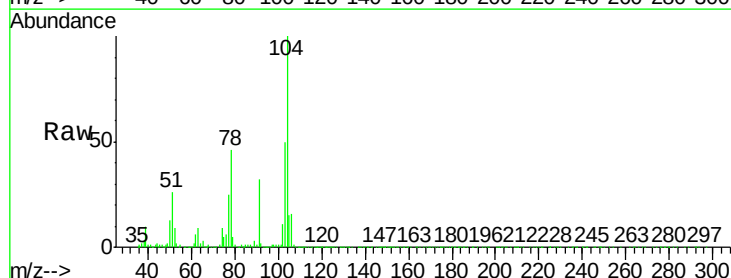
Manual Integrations
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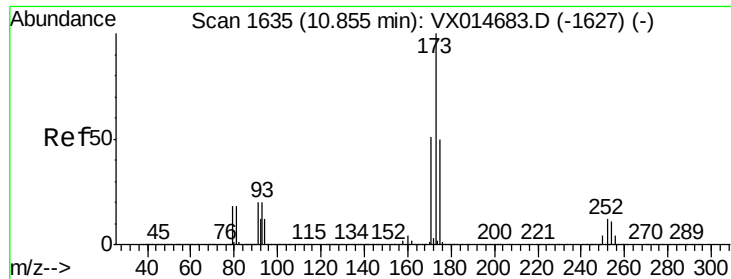
MMDadoda
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#70
Styrene
Concen: 4.445 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX014681.D
Acq: 22 Jan 2020 10:41

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.8	39.3	58.9
103	55.9	43.5	65.3





#71

Bromoform

Concen: 4.474 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX014681.D

Acq: 22 Jan 2020 10:41

Instrument :

MSVOA_X

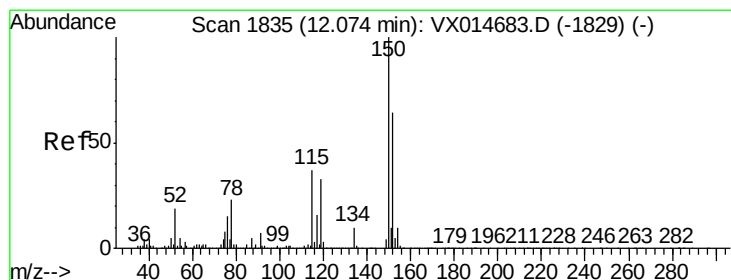
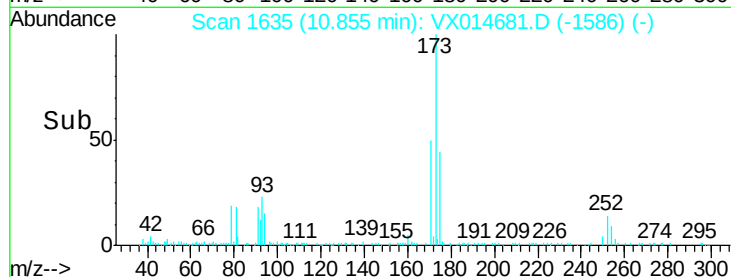
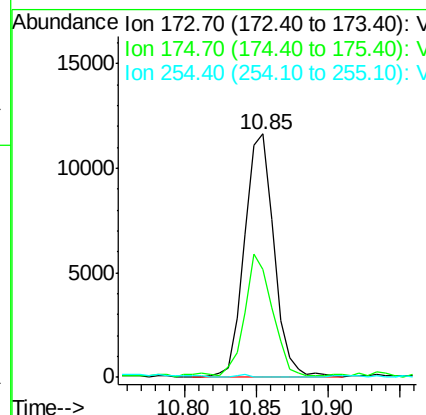
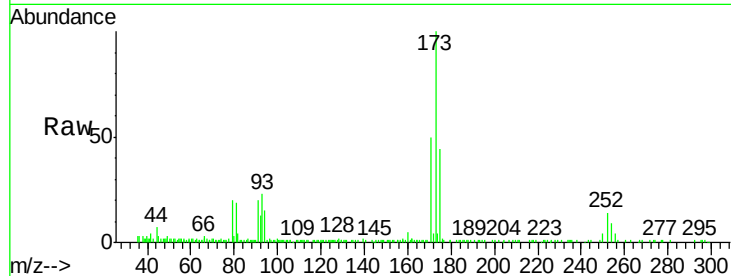
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.8	24.6	73.6
254	0.4	0.1	0.1#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

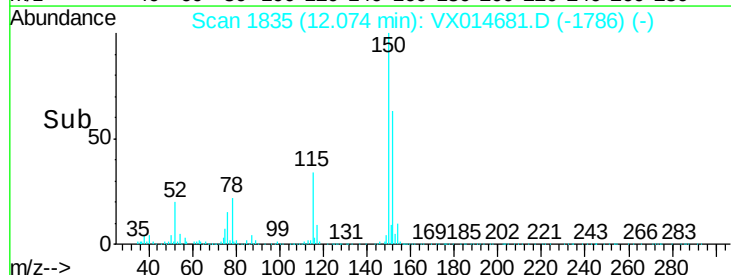
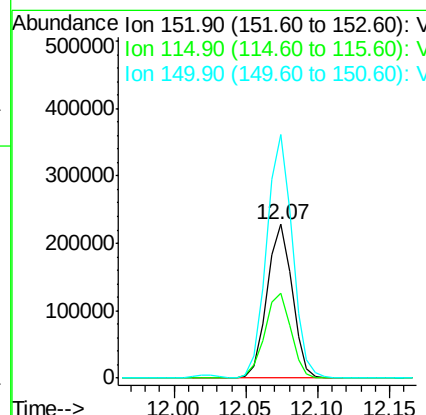
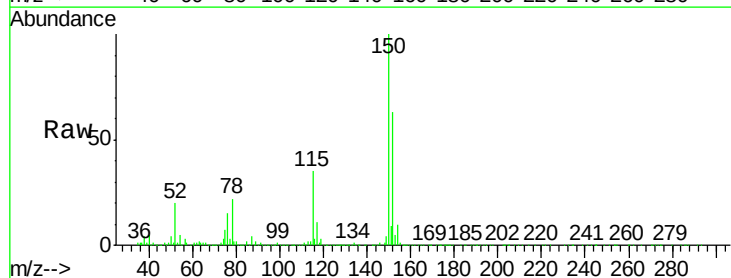
RT: 12.07 min Scan# 1835

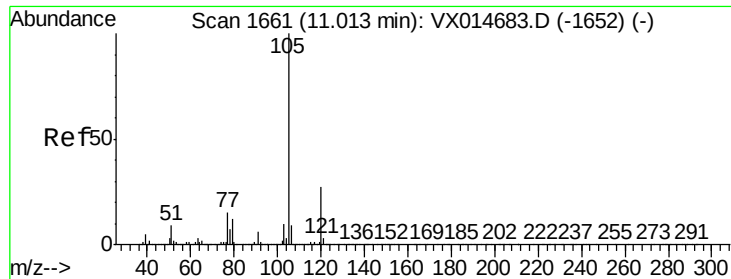
Delta R.T. 0.00 min

Lab File: VX014681.D

Acq: 22 Jan 2020 10:41

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.9	39.4	118.1
150	160.8	0.0	351.2





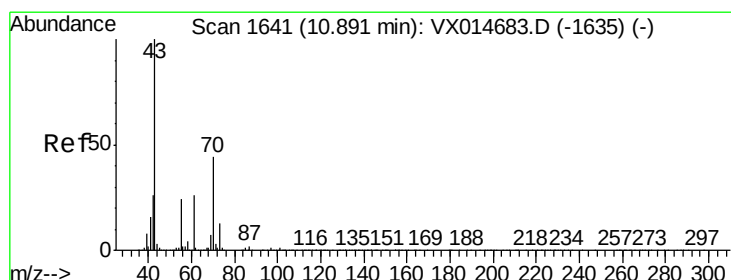
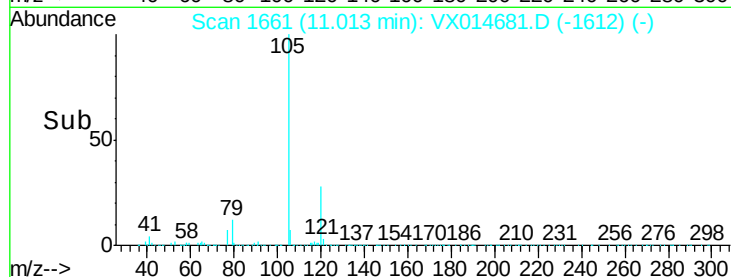
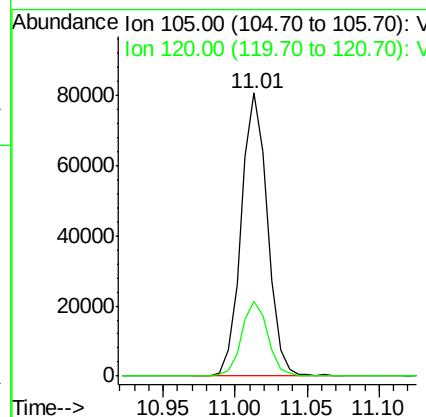
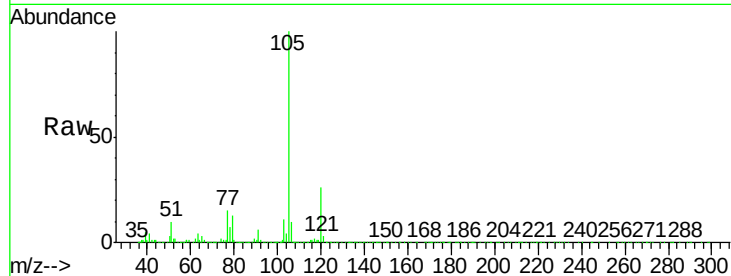
#73
Isopropylbenzene
Concen: 5.245 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX014681.D
Acq: 22 Jan 2020 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.5	40.5

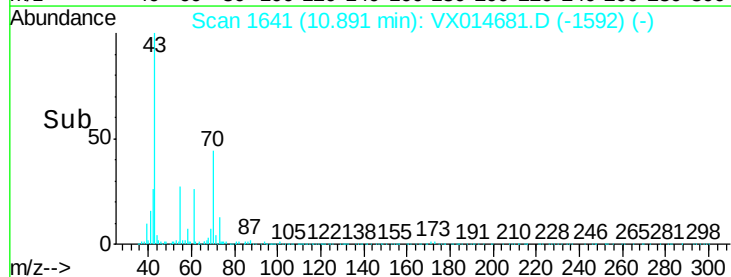
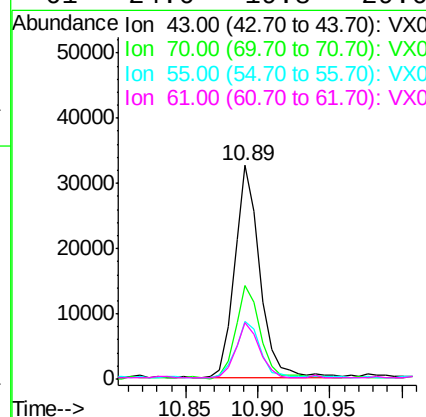
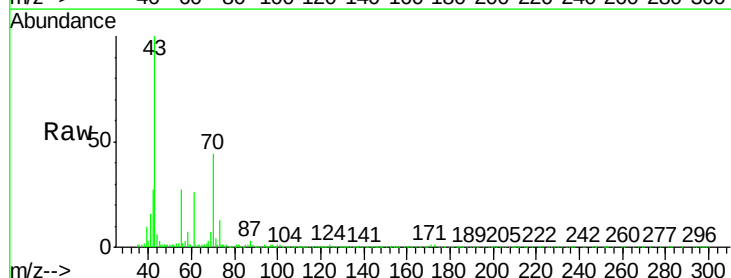
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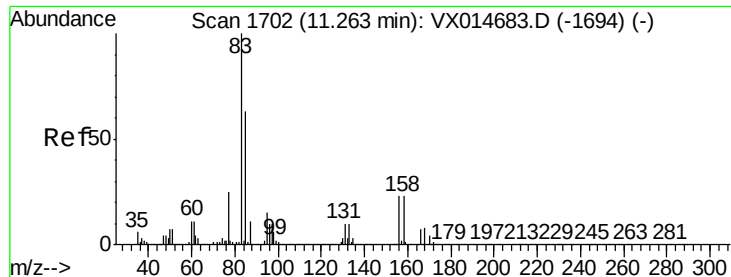
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#74
N-ethyl acetate
Concen: 4.700 ug/l
RT: 10.89 min Scan# 1641
Delta R.T. 0.00 min
Lab File: VX014681.D
Acq: 22 Jan 2020 10:41

Tgt Ion	Ratio	Lower	Upper
43	100		
70	43.3	34.6	52.0
55	26.7	19.4	29.2
61	24.6	19.8	29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 5.702 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX014681.D

Acq: 22 Jan 2020 10:41

Instrument :

MSVOA_X

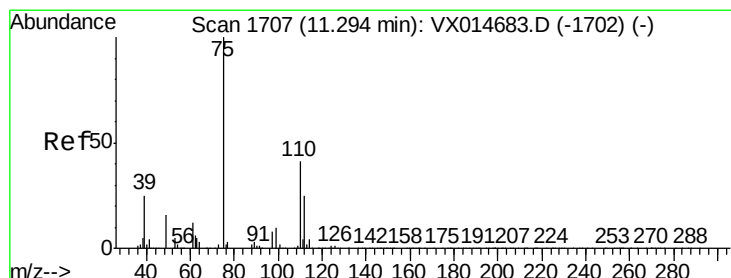
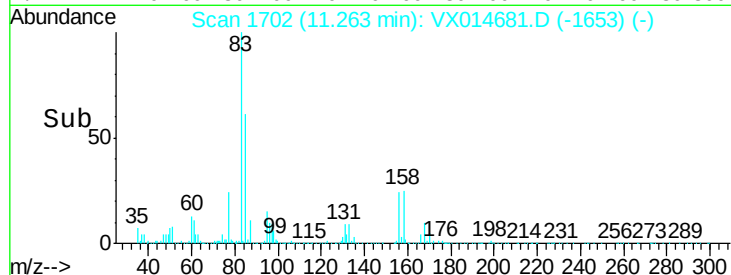
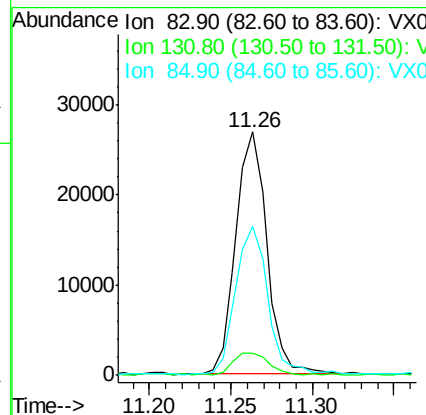
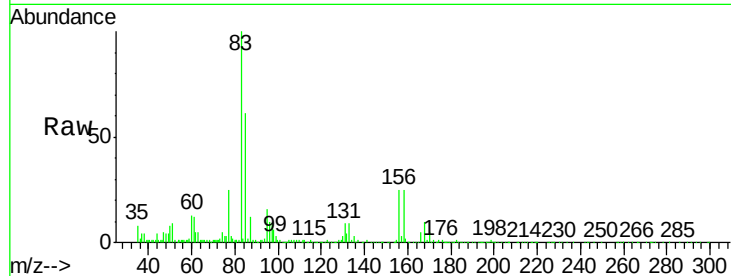
ClientSampled :

VSTDIC005

Tot Ion:	83	Resp:	35807
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.0	15.0
85	63.6	31.7	95.1

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#76

1,2,3-Trichloropropane

Concen: 5.171 ug/l m

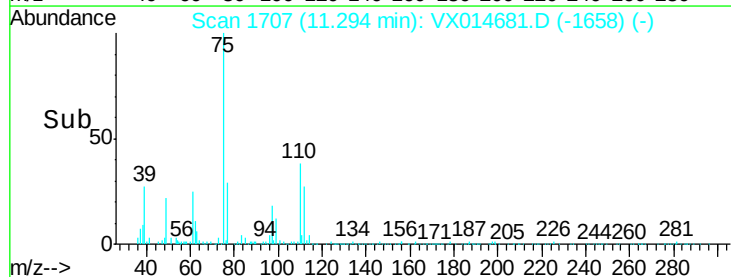
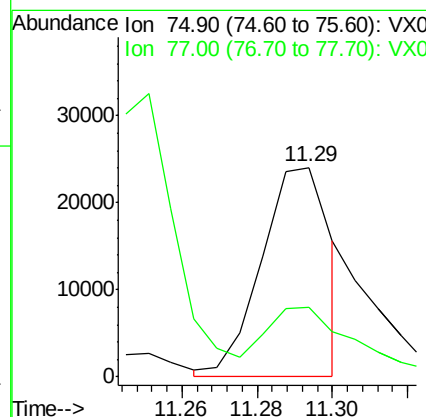
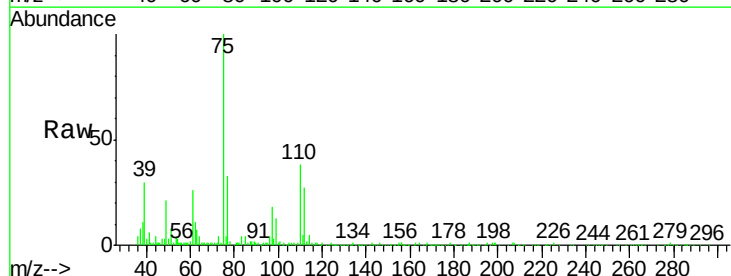
RT: 11.29 min Scan# 1707

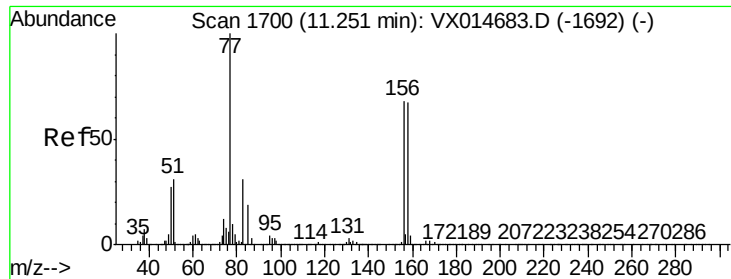
Delta R.T. 0.00 min

Lab File: VX014681.D

Acq: 22 Jan 2020 10:41

Tgt Ion:	75	Resp:	30551
Ion Ratio	Lower	Upper	
75	100		
77	41.9	18.7	56.1





#77

Bromobenzene

Concen: 5.132 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX014681.D

Acq: 22 Jan 2020 10:41

Instrument :

MSVOA_X

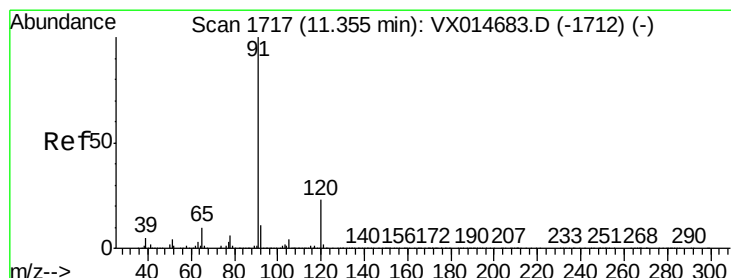
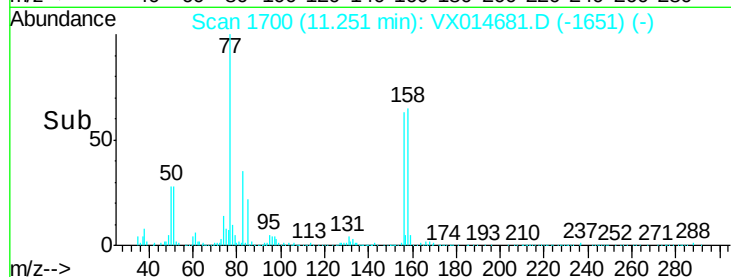
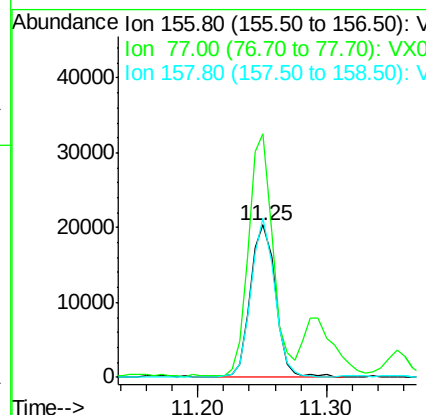
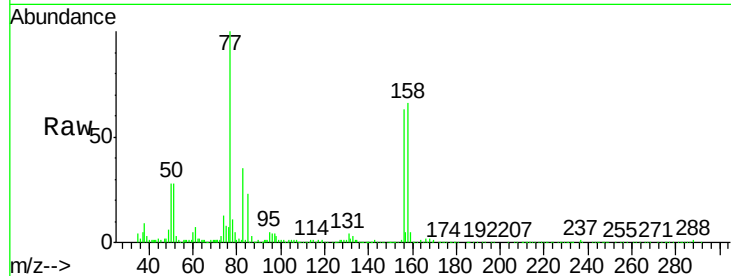
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
156	100		
77	152.6	77.5	232.5
158	98.3	49.1	147.3

Manual Integrations
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#78

n-propylbenzene

Concen: 4.971 ug/l

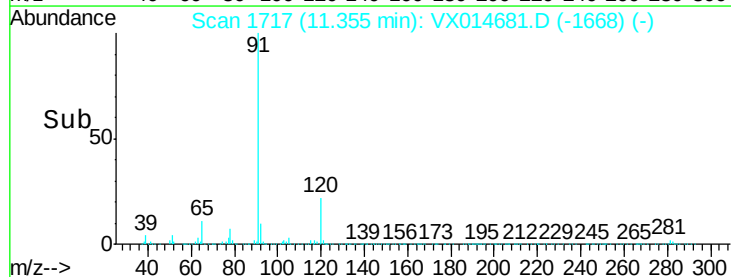
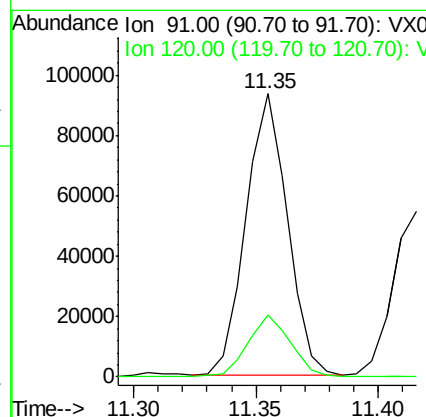
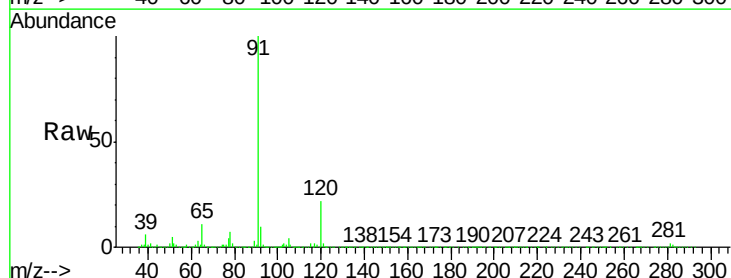
RT: 11.35 min Scan# 1717

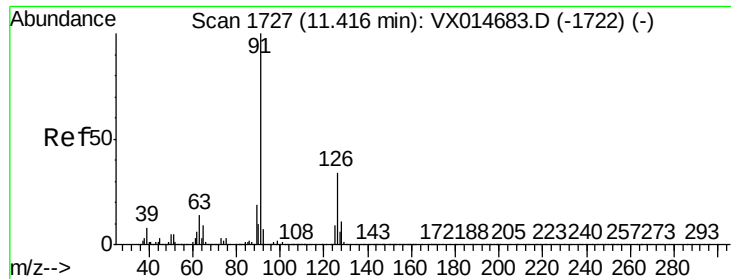
Delta R.T. 0.00 min

Lab File: VX014681.D

Acq: 22 Jan 2020 10:41

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.7	35.0





#79

2-Chlorotoluene

Concen: 5.211 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX014681.D

Acq: 22 Jan 2020 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 69342

Ion Ratio Lower Upper

91 100

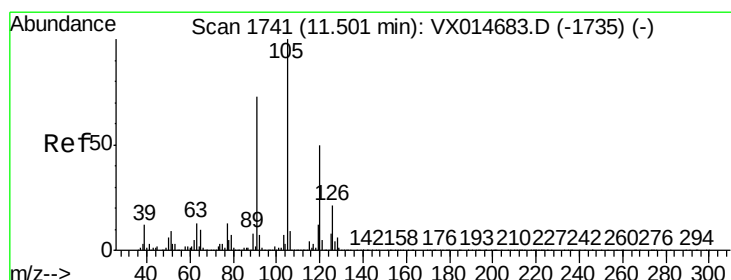
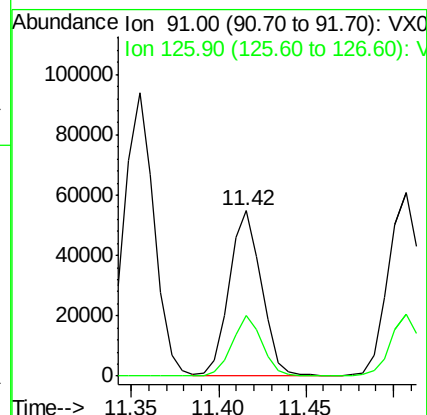
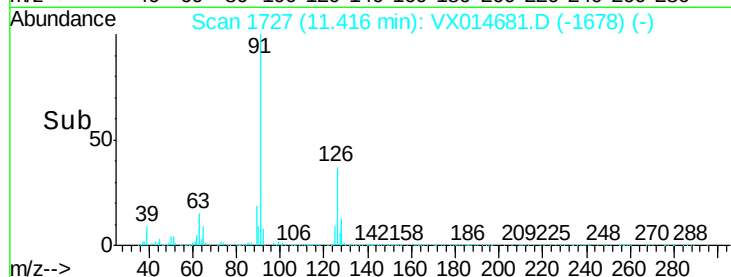
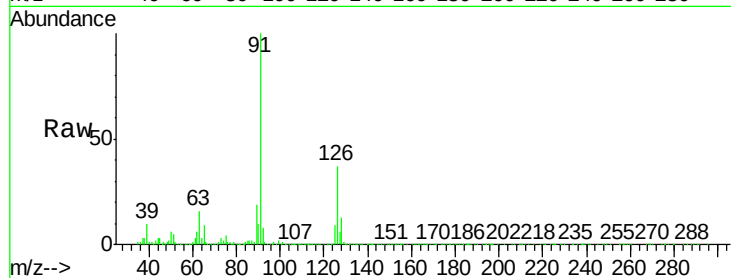
126 34.4 17.3 51.9

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 4.935 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX014681.D

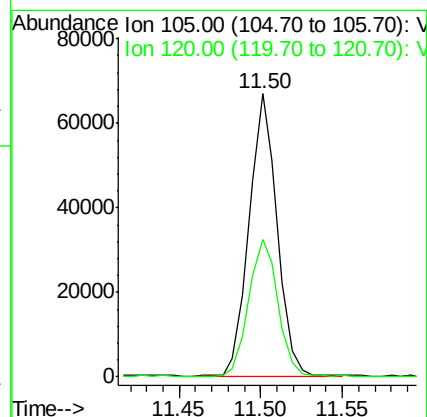
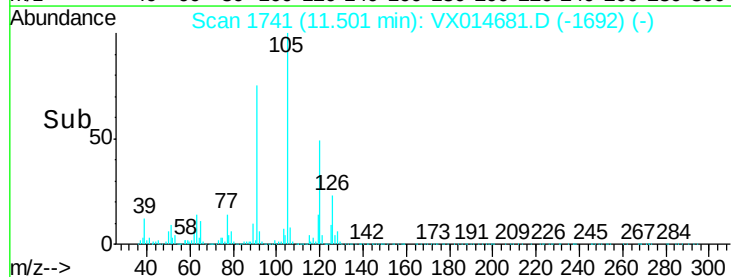
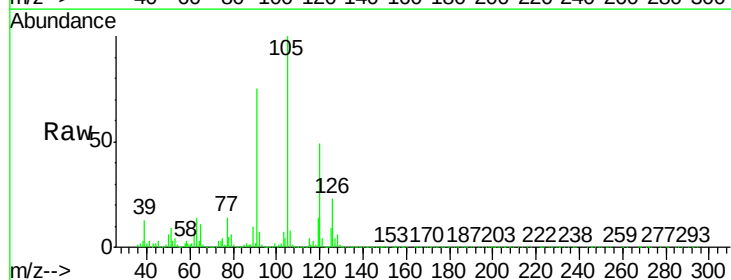
Acq: 22 Jan 2020 10:41

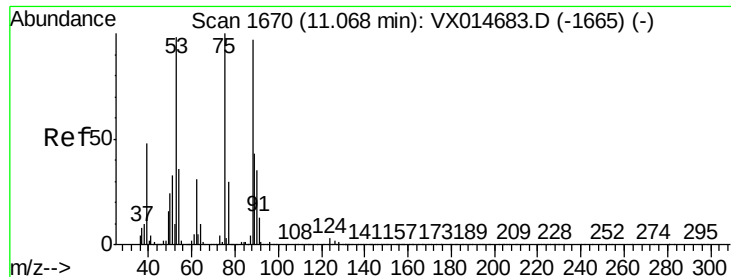
Tgt Ion: 105 Resp: 79886

Ion Ratio Lower Upper

105 100

120 50.9 24.9 74.6





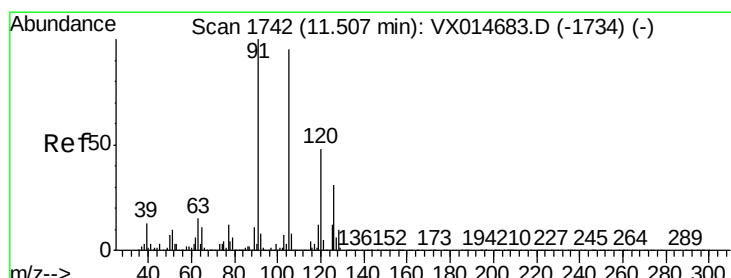
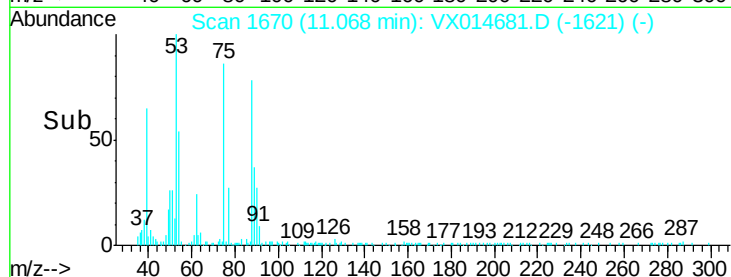
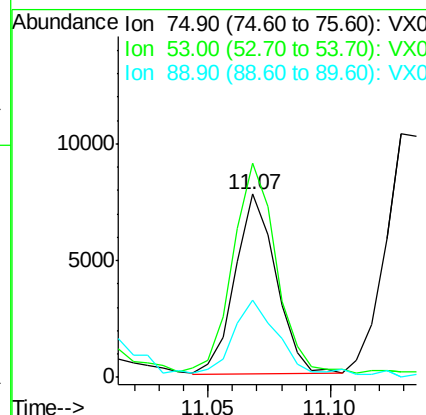
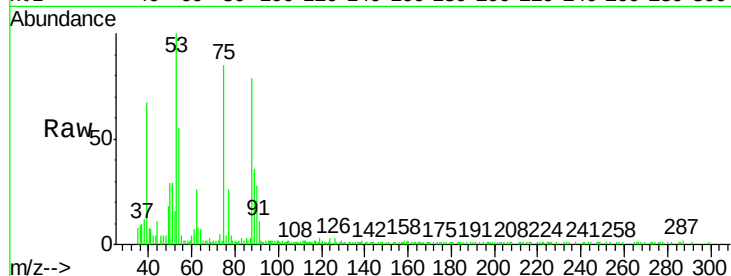
#81
trans-1,4-Dichloro-2-butene
Concen: 4.162 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VX014681.D
Acq: 22 Jan 2020 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	123.8	78.8	118.2#
89	44.2	35.4	53.0

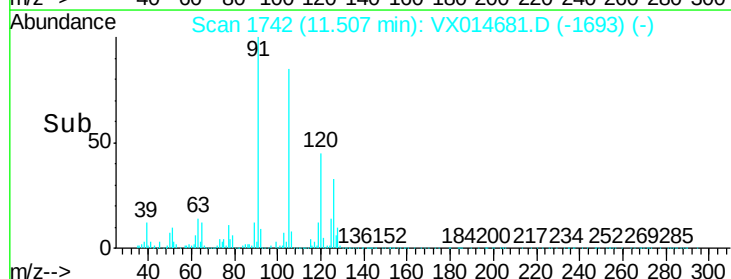
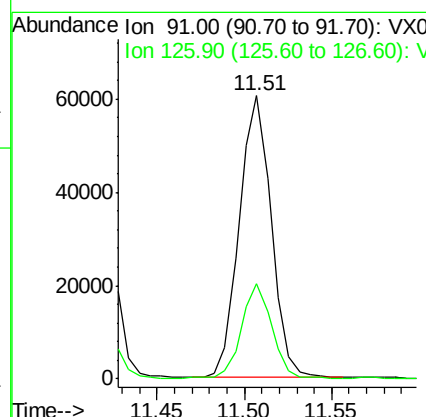
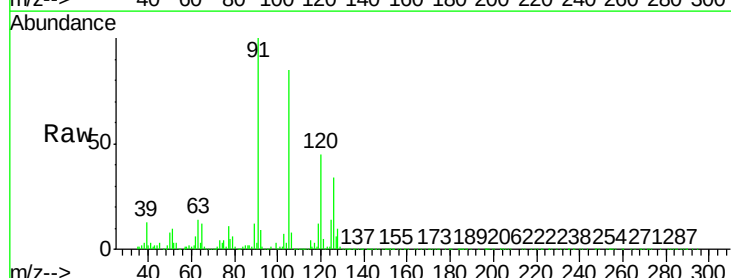
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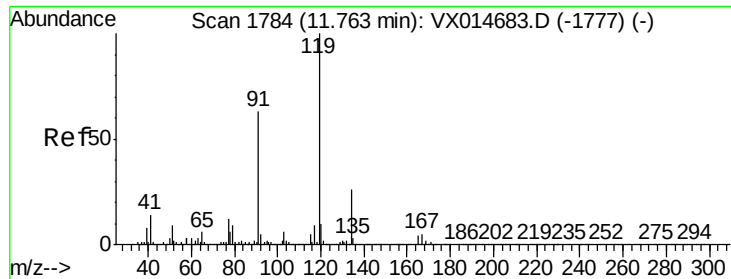
MMDadoda
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#82
4-Chlorotoluene
Concen: 4.920 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX014681.D
Acq: 22 Jan 2020 10:41

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.7	15.4	46.4





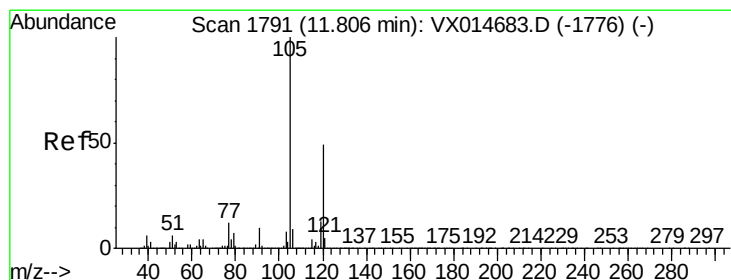
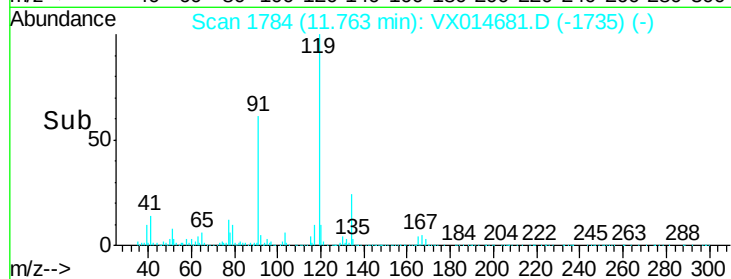
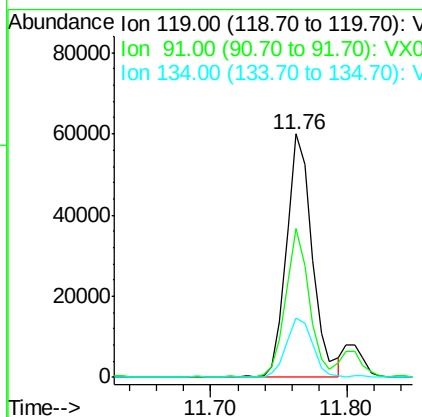
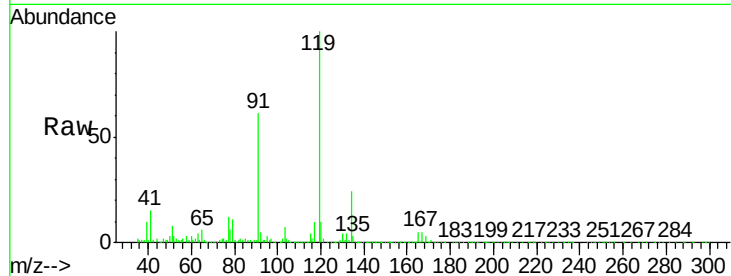
#83
tert-Butylbenzene
Concen: 5.191 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. 0.00 min
Lab File: VX014681.D
Acq: 22 Jan 2020 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	54.8	30.0	90.0
134	24.5	12.7	38.0

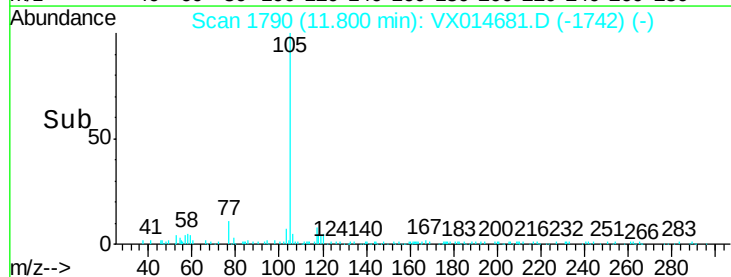
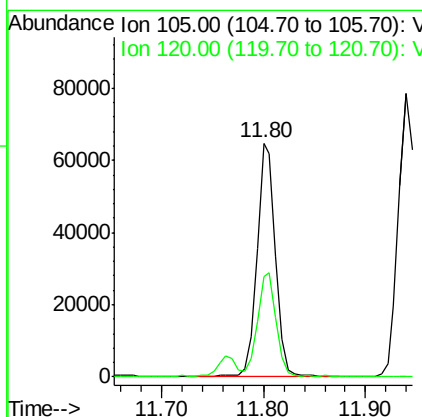
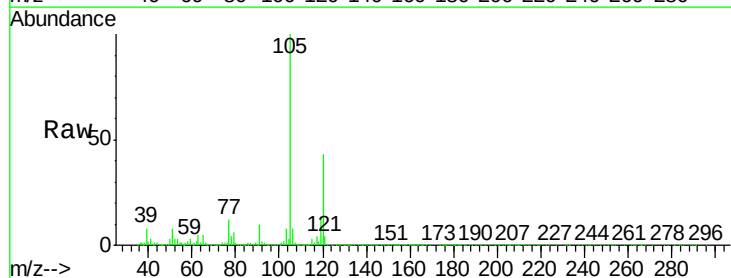
Manual Integrations
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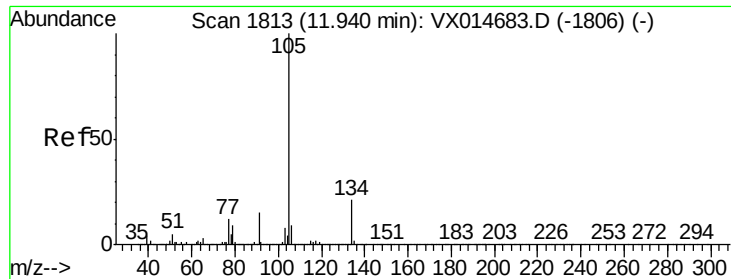
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#84
1,2,4-Trimethylbenzene
Concen: 5.050 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. -0.01 min
Lab File: VX014681.D
Acq: 22 Jan 2020 10:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.3	23.4	70.0





#85

sec-Butylbenzene

Concen: 4.919 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX014681.D

Acq: 22 Jan 2020 10:41

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 93321

Ion Ratio Lower Upper

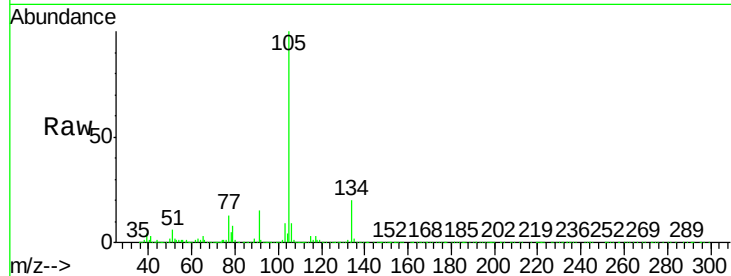
105 100

134 21.0 10.3 30.8

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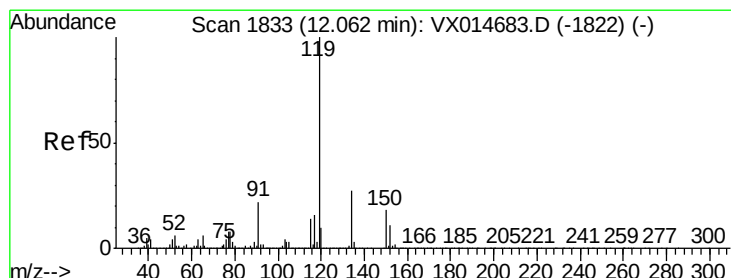
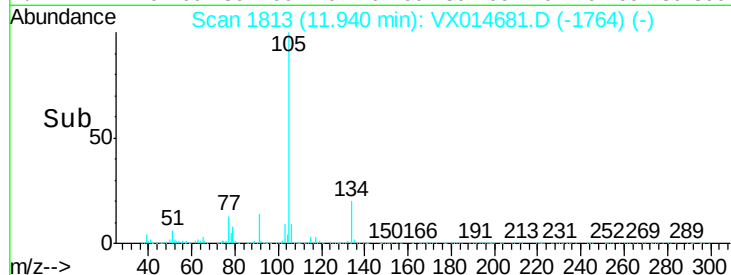
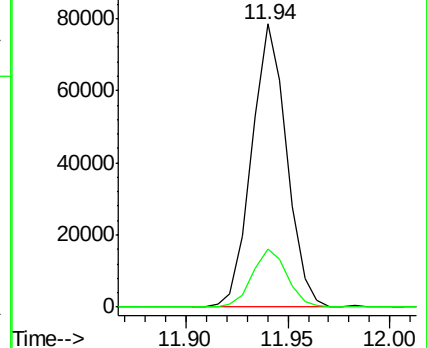
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 4.821 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX014681.D

Acq: 22 Jan 2020 10:41

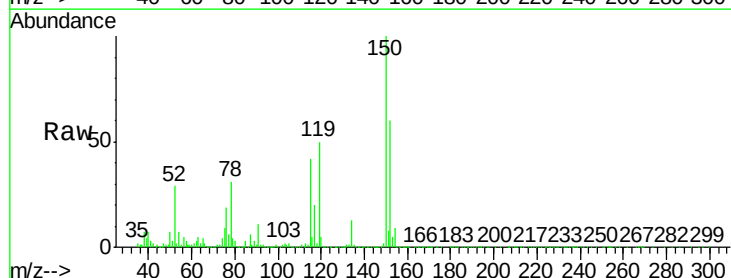
Tgt Ion:119 Resp: 84708

Ion Ratio Lower Upper

119 100

134 26.5 13.5 40.4

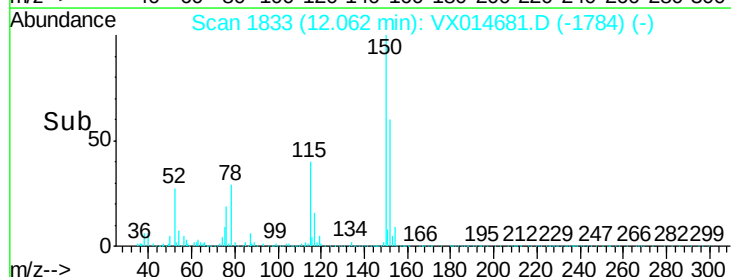
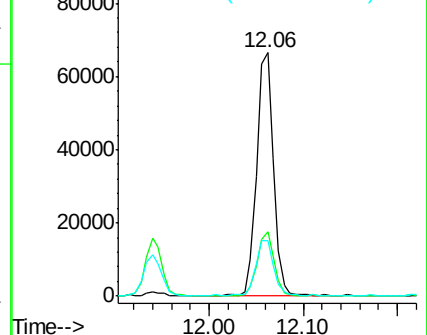
91 23.6 11.3 33.8

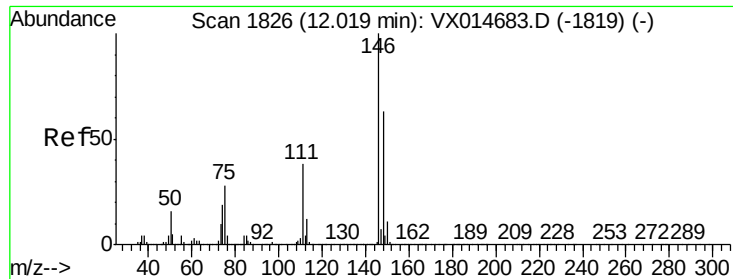


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 5.042 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VX014681.D

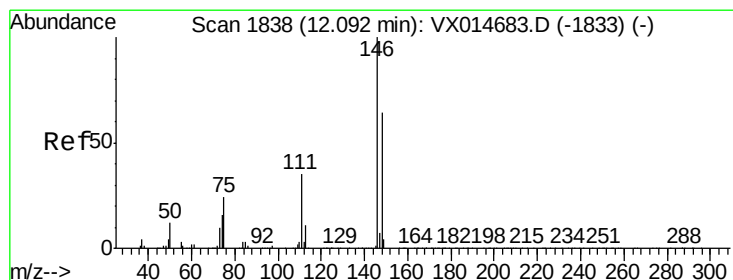
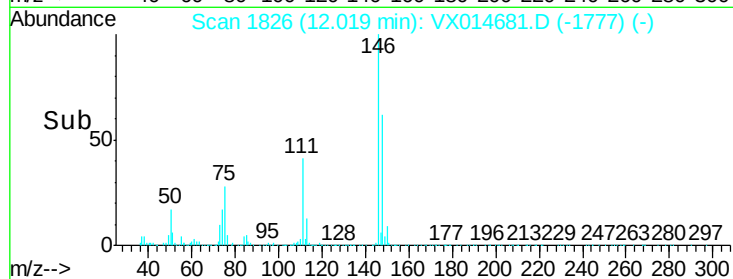
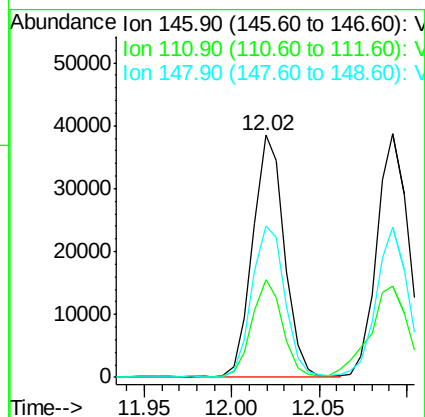
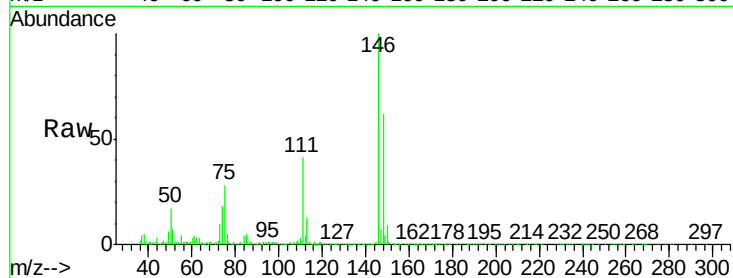
Acq: 22 Jan 2020 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.0	57.0
148	64.3	31.6	95.0

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 4.940 ug/l

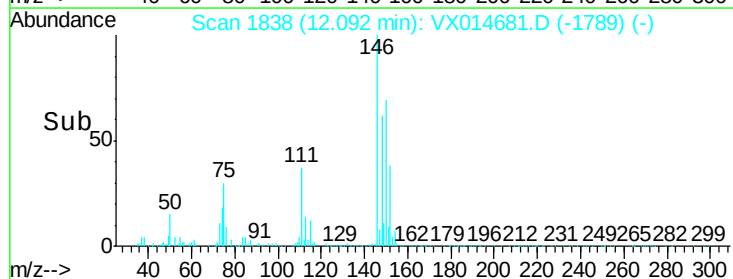
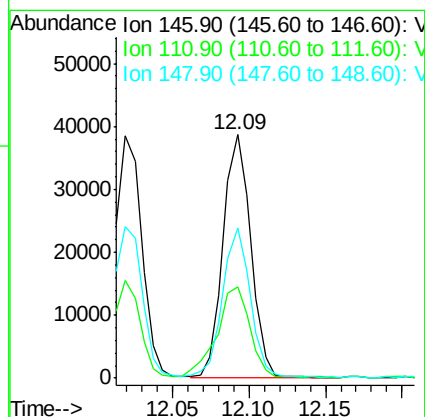
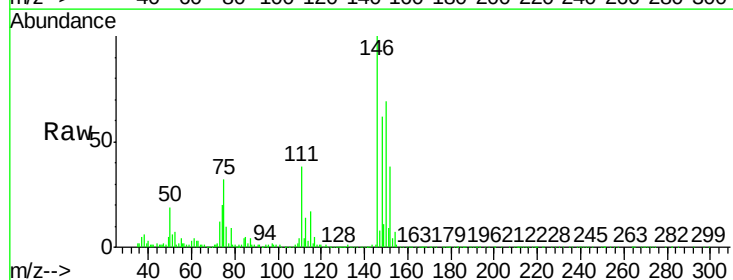
RT: 12.09 min Scan# 1838

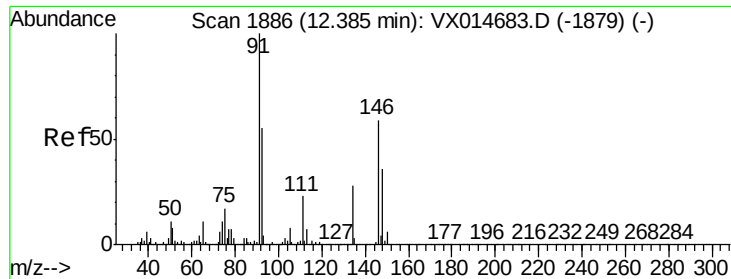
Delta R.T. 0.00 min

Lab File: VX014681.D

Acq: 22 Jan 2020 10:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.4	18.6	55.8
148	61.8	32.0	96.2





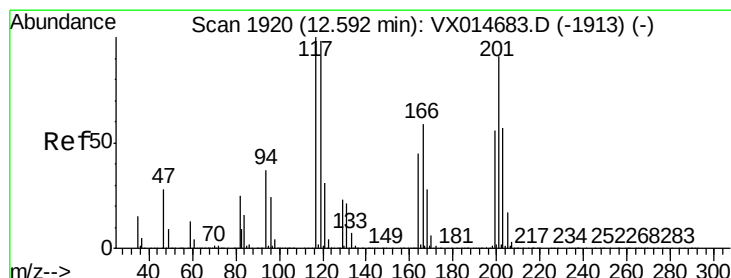
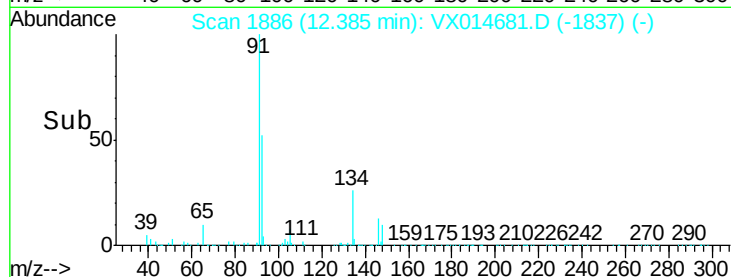
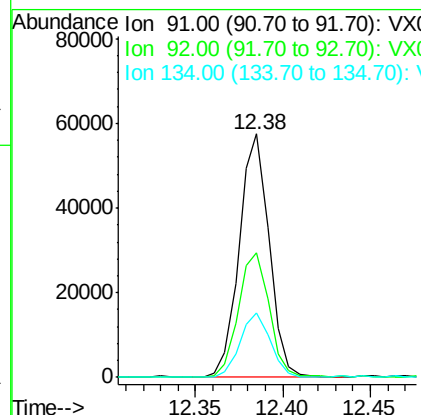
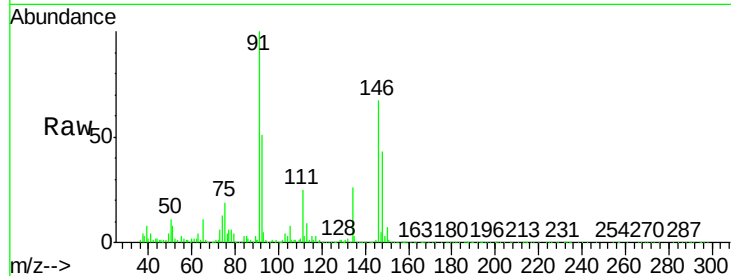
#89
n-Butylbenzene
Concen: 4.228 ug/l
RT: 12.38 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX014681.D
Acq: 22 Jan 2020 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	27.6	82.7
134	26.7	13.3	39.8

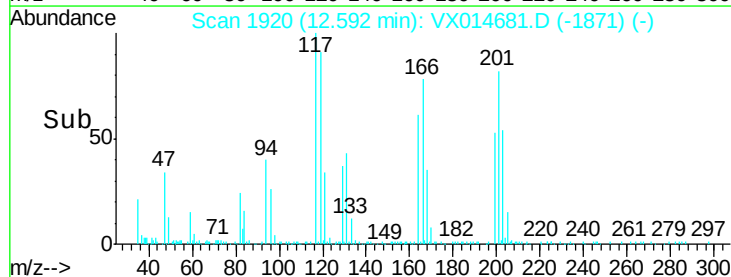
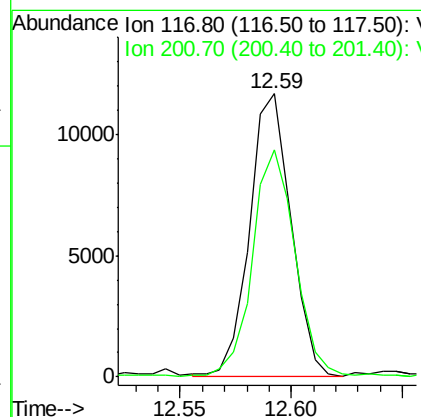
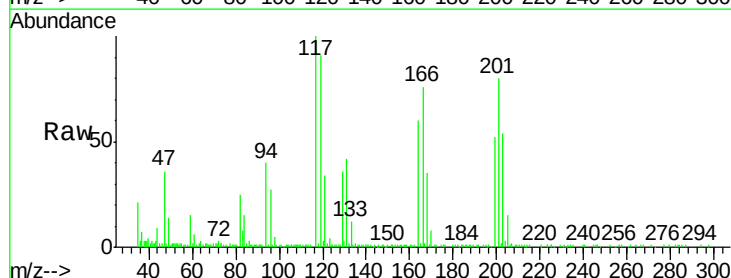
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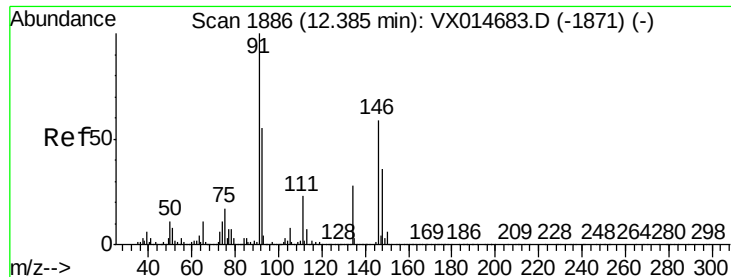
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#90
Hexachloroethane
Concen: 4.922 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX014681.D
Acq: 22 Jan 2020 10:41

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.3	44.4	133.1





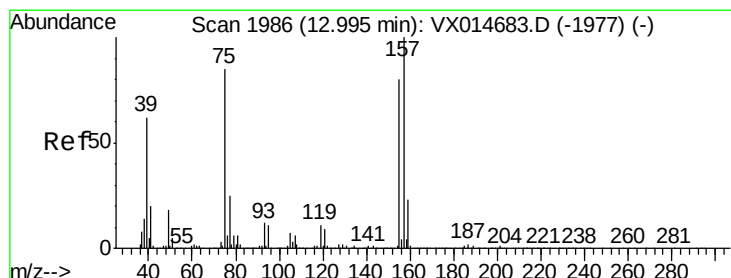
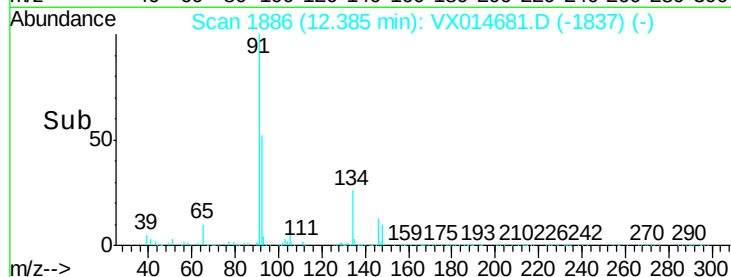
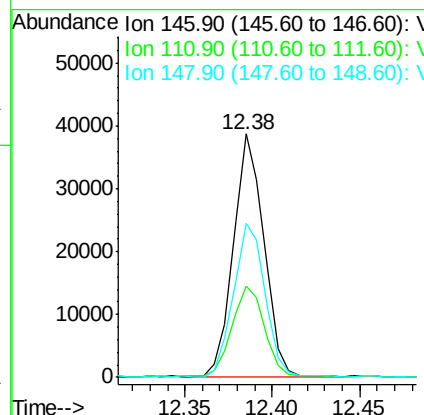
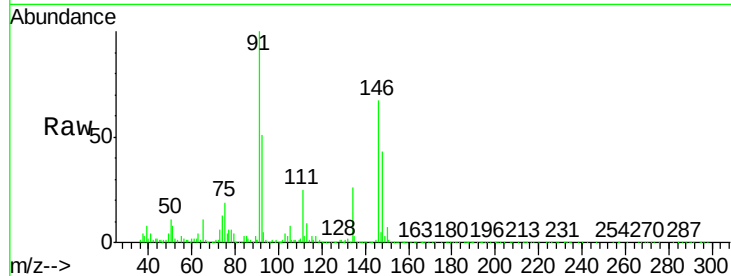
#91
 1,2-Dichlorobenzene
 Concen: 4.967 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX014681.D
 Acq: 22 Jan 2020 10:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.6	58.8
148	65.9	31.9	95.9

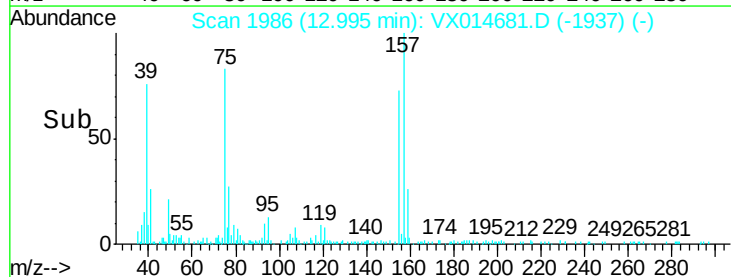
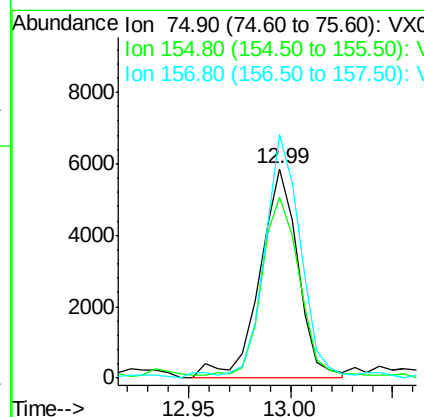
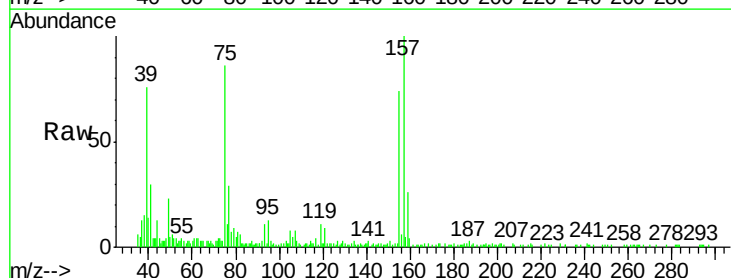
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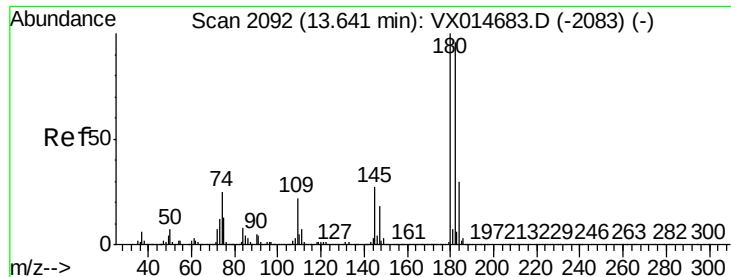
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.480 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX014681.D
 Acq: 22 Jan 2020 10:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.6	45.6	136.9
157	110.2	60.3	180.9





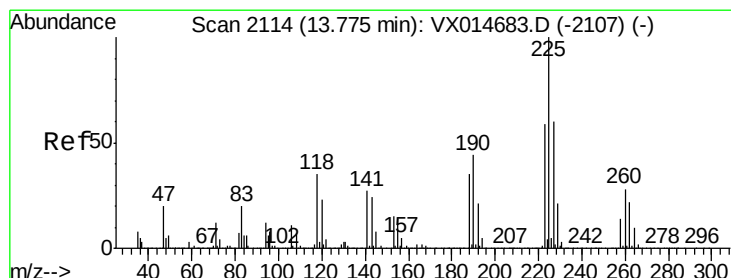
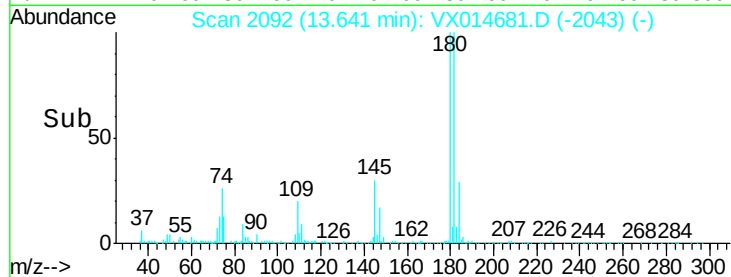
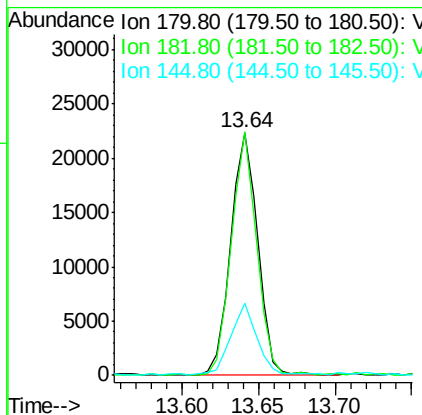
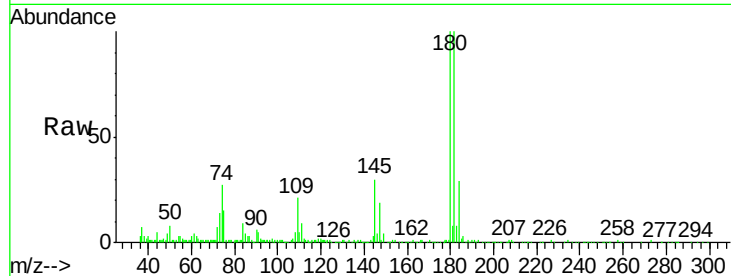
#93
 1,2,4-Trichlorobenzene
 Concen: 3.835 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX014681.D
 Acq: 22 Jan 2020 10:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100	27395		
182	94.9	48.5	145.6	
145	27.9	14.0	41.9	

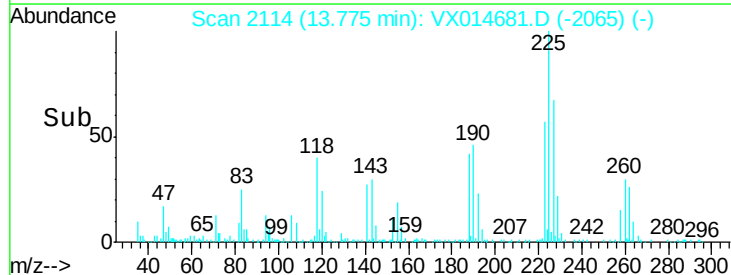
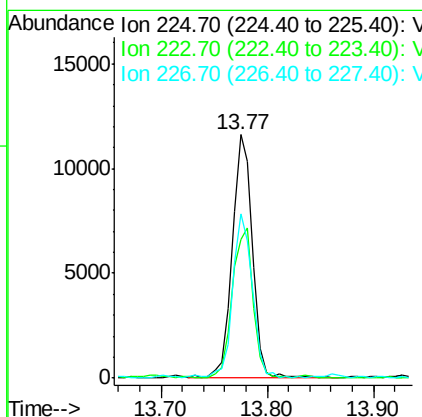
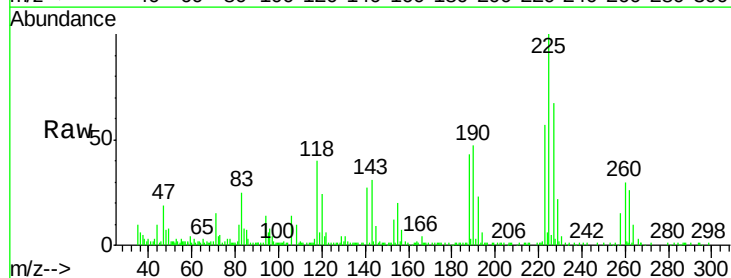
Manual Integrations
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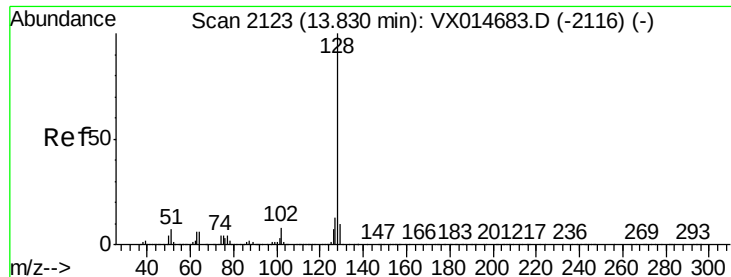
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#94
 Hexachlorobutadiene
 Concen: 4.608 ug/l
 RT: 13.77 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VX014681.D
 Acq: 22 Jan 2020 10:41

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	15490		
223	63.3	30.6	91.8	
227	66.1	31.4	94.0	





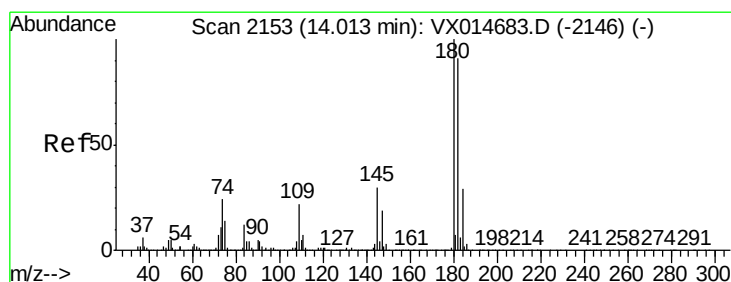
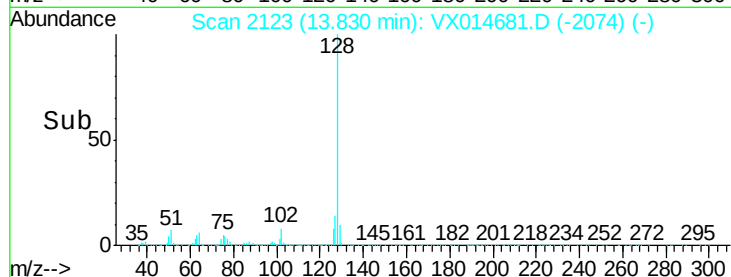
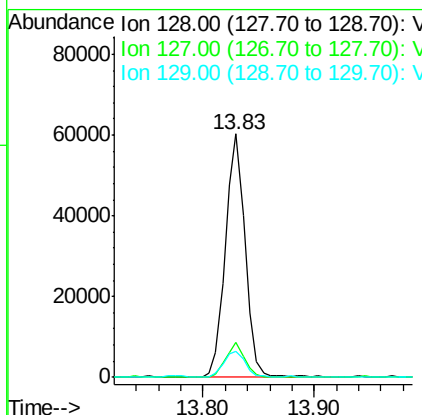
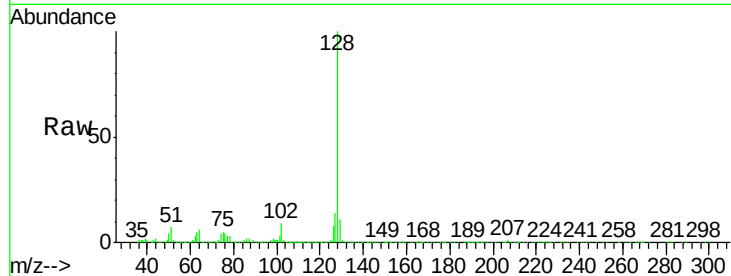
#95
Naphthalene
Concen: 3.619 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX014681.D
Acq: 22 Jan 2020 10:41

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.3	15.5
129	11.5	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
1/24/2020 1:38:57 PM



#96
1,2,3-Trichlorobenzene
Concen: 4.106 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX014681.D
Acq: 22 Jan 2020 10:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	46.6	139.7
145	29.1	14.7	44.1

