

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111519\
 Data File : VX013445.D
 Acq On : 15 Nov 2019 14:49
 Operator : JC/SP
 Sample : K5884-02MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0162MS

Manual Integrations
 APPROVED

MMDadoda
 11/18/2019 10:24:17 AM

Quant Time: Nov 16 00:55:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 07:06:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	626139	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	964994	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	869589	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	433706	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	354168	47.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.50%	
35) Dibromofluoromethane	5.48	113	296026	48.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.82%	
50) Toluene-d8	8.71	98	1120785	49.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.24%	
62) 4-Bromofluorobenzene	11.14	95	392720	47.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	328115	45.481	ug/l	97
3) Chloromethane	1.31	50	356437	45.560	ug/l	98
4) Vinyl Chloride	1.40	62	447349	50.226	ug/l	100
5) Bromomethane	1.62	94	206270	33.232	ug/l	100
6) Chloroethane	1.71	64	236485	46.361	ug/l	99
7) Trichlorofluoromethane	1.92	101	470545	44.716	ug/l	99
8) Diethyl Ether	2.17	74	219062	47.076	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	290821	49.585	ug/l	98
10) Methyl Iodide	2.50	142	254549	35.055	ug/l	97
11) Tert butyl alcohol	3.04	59	420740	215.197	ug/l	99
12) 1,1-Dichloroethene	2.36	96	289391	50.386	ug/l	97
13) Acrolein	2.28	56	257048	242.583	ug/l	98
14) Allyl chloride	2.72	41	533133	51.088	ug/l	95
15) Acrylonitrile	3.13	53	961221	263.196	ug/l	99
16) Acetone	2.43	43	812085	219.486	ug/l	99
17) Carbon Disulfide	2.56	76	718076	46.711	ug/l	99
18) Methyl Acetate	2.76	43	537890	52.658	ug/l	100
19) Methyl tert-butyl Ether	3.18	73	995989	51.993	ug/l	98
20) Methylene Chloride	2.84	84	334565	48.941	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	311797	49.859	ug/l	96
22) Diisopropyl ether	3.84	45	1077886	53.500	ug/l	98
23) Vinyl Acetate	3.80	43	4423489	256.584	ug/l	100
24) 1,1-Dichloroethane	3.69	63	576332	51.136	ug/l	98
25) 2-Butanone	4.65	43	1338349	246.570	ug/l	100
26) 2,2-Dichloropropane	4.57	77	449464	50.130	ug/l	96
27) cis-1,2-Dichloroethene	4.58	96	473218	67.551	ug/l	97
28) Bromochloromethane	5.00	49	173206	54.126	ug/l	99
29) Tetrahydrofuran	5.11	42	864146	258.349	ug/l	100
30) Chloroform	5.20	83	565518	50.815	ug/l	97
31) Cyclohexane	5.57	56	501845	49.484	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	476401	49.742	ug/l	99
36) 1,1-Dichloropropene	5.79	75	418565	50.561	ug/l	99
37) Ethyl Acetate	4.82	43	508848	49.744	ug/l	100
38) Carbon Tetrachloride	5.77	117	408035	50.404	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	506424	49.095	ug/l	97
40) Benzene	6.14	78	1309843	50.794	ug/l	99
41) Methacrylonitrile	5.03	41	290700	50.701	ug/l	99
42) 1,2-Dichloroethane	6.18	62	460127	49.468	ug/l	99
43) Isopropyl Acetate	6.43	43	817916	51.348	ug/l	99
44) Trichloroethene	7.20	130	350428	49.368	ug/l	100
45) 1,2-Dichloropropane	7.51	63	343999	52.356	ug/l	98
46) Dibromomethane	7.65	93	224691	50.086	ug/l	99
47) Bromodichloromethane	7.89	83	441360	52.173	ug/l	99
48) Methyl methacrylate	7.76	41	418394	52.619	ug/l	97
49) 1,4-Dioxane	7.73	88	163810	899.583	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	2670243	255.506	ug/l	99
52) Toluene	8.78	92	822729	51.476	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	491207	53.101	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	539411	52.129	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	345488	52.152	ug/l	98
56) Ethyl methacrylate	9.17	69	558035	49.362	ug/l	96
57) 1,3-Dichloropropane	9.37	76	578746	51.464	ug/l	100
59) 2-Hexanone	9.49	43	2045065	253.223	ug/l	98
60) Dibromochloromethane	9.58	129	360176	53.161	ug/l	99
61) 1,2-Dibromoethane	9.67	107	362921	51.591	ug/l	99
64) Tetrachloroethene	9.33	164	293892	47.211	ug/l	99
65) Chlorobenzene	10.14	112	884842	50.260	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.21	131	336174	52.006	ug/l	100
67) Ethyl Benzene	10.25	91	1555800	51.203	ug/l	99
68) m/p-Xylenes	10.35	106	1184704	103.096	ug/l	100
69) o-Xylene	10.70	106	577391	51.322	ug/l	99
70) Stvrene	10.71	104	992143	52.756	ug/l	99
71) Bromoform	10.85	173	281419	47.149	ug/l #	99
73) Isopropylbenzene	11.01	105	1533239	53.320	ug/l	100
74) N-amyl acetate	10.89	43	726011	54.446	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	563861	53.750	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	435412m	49.427	ug/l	
77) Bromobenzene	11.25	156	399852	52.160	ug/l	99
78) n-propylbenzene	11.35	91	1725744	53.876	ug/l	100
79) 2-Chlorotoluene	11.42	91	1015270	52.607	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	1276477	53.294	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	180945	52.871	ug/l	97
82) 4-Chlorotoluene	11.51	91	1170780	51.824	ug/l	100
83) tert-Butylbenzene	11.77	119	1304958	54.123	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	1272894	52.978	ug/l	99
85) sec-Butylbenzene	11.94	105	1477415	53.316	ug/l	100
86) p-Isopropyltoluene	12.06	119	1362735	53.406	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	695945	50.931	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	701496	50.388	ug/l	99
89) n-Butylbenzene	12.39	91	1148329	51.576	ug/l	100
90) Hexachloroethane	12.59	117	247189	54.372	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	701098	51.329	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	119504	46.758	ug/l	97
93) 1,2,4-Trichlorobenzene	13.64	180	464360	48.738	ug/l	99

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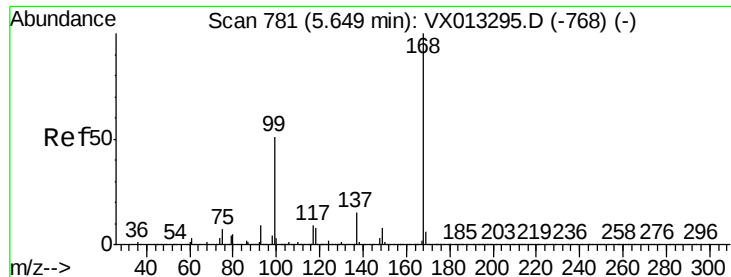
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	217815	46.728	ug/l	99
95) Naphthalene	13.83	128	1486773	49.736	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	473575	49.563	ug/l	100

(#) = 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. -0.00 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

Instrument :

MSVOA_X

ClientSampleId :

S36-0162MS

Tot Ion:168 Resp: 626139

Ion Ratio Lower Upper

168 100

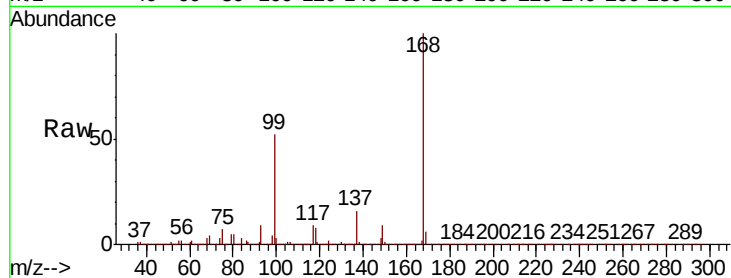
99 52.1 40.8 61.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

250000

200000

150000

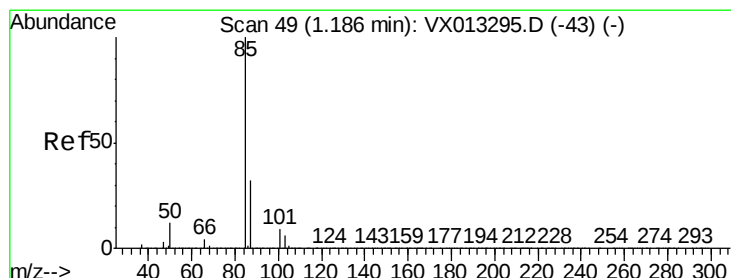
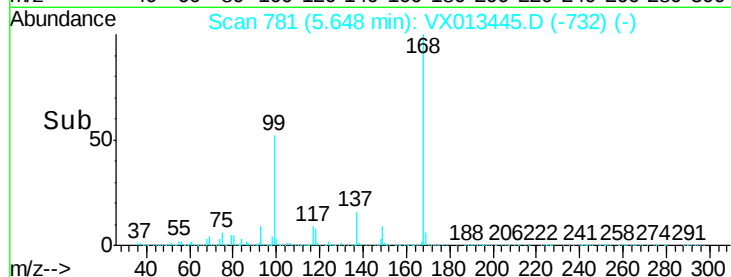
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50000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 45.481 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX013445.D

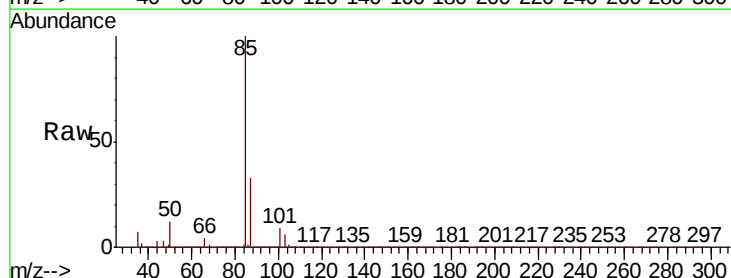
Acq: 15 Nov 2019 14:49

Tgt Ion: 85 Resp: 328115

Ion Ratio Lower Upper

85 100

87 33.1 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

300000

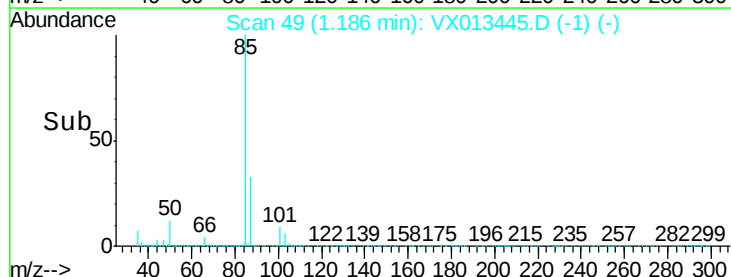
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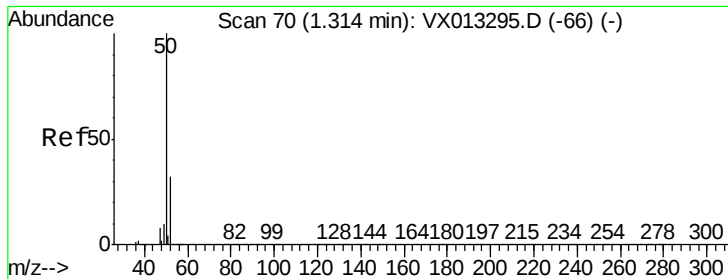
100000

0

1.10 1.20 1.30

Time-->





#3

Chloromethane

Concen: 45.560 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

Instrument :

MSVOA_X

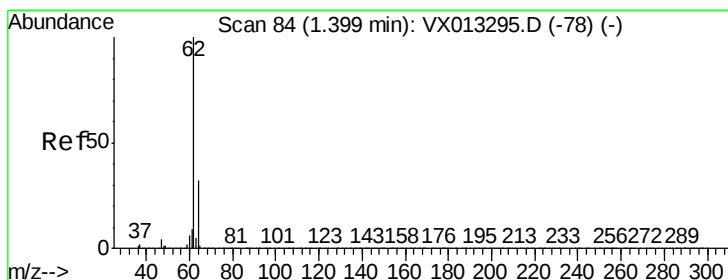
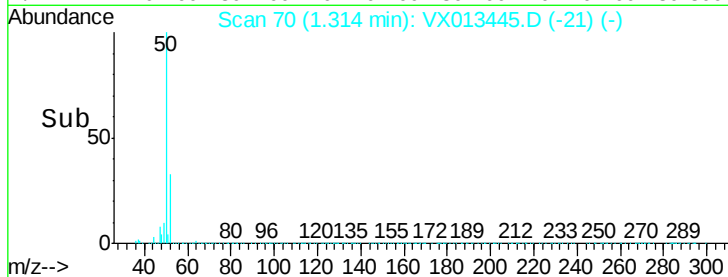
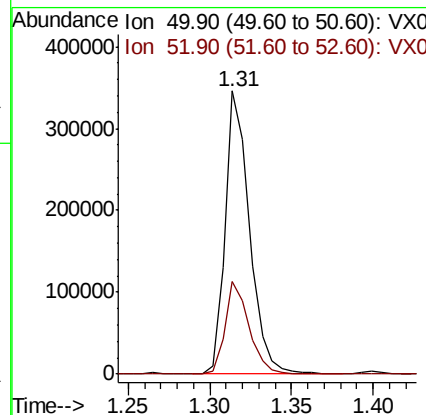
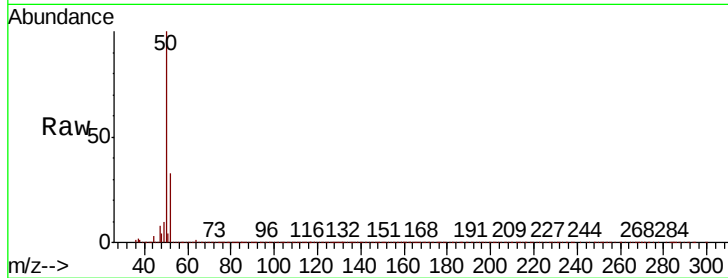
ClientSampleId :

S36-0162MS

Tot Ion	Ratio	Lower	Upper
50	100		
52	32.8	25.5	38.3

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#4

Vinyl Chloride

Concen: 50.226 ug/l

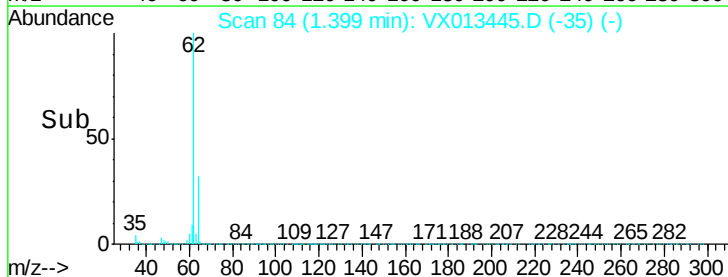
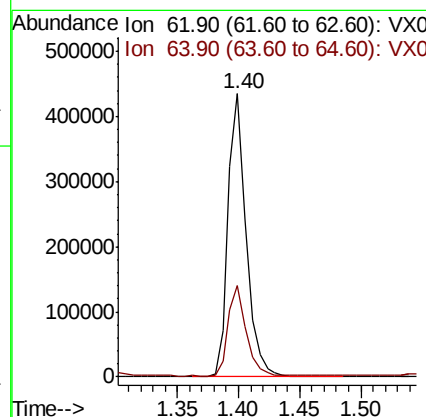
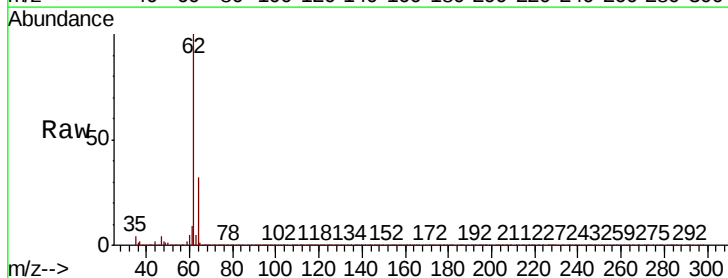
RT: 1.40 min Scan# 84

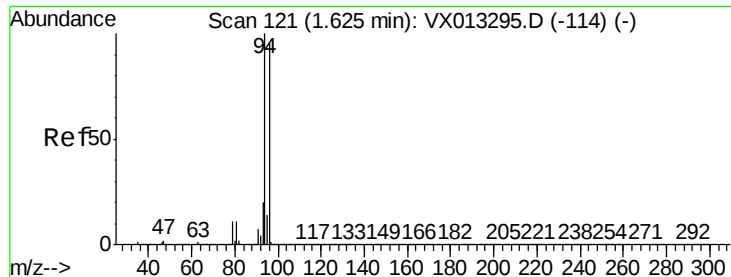
Delta R.T. -0.00 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.8	25.6	38.4





#5

Bromomethane

Concen: 33.232 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

Instrument :

MSVOA_X

ClientSampleId :

S36-0162MS

Tot Ion: 94 Resp: 206270

Ion Ratio Lower Upper

94 100

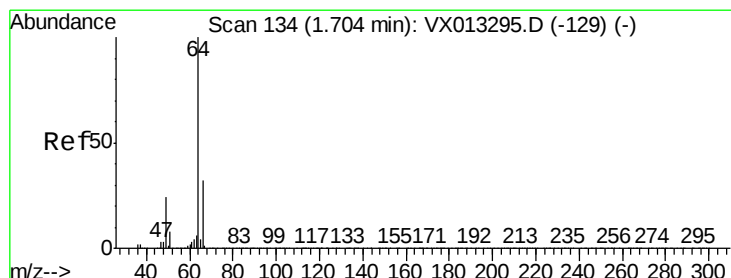
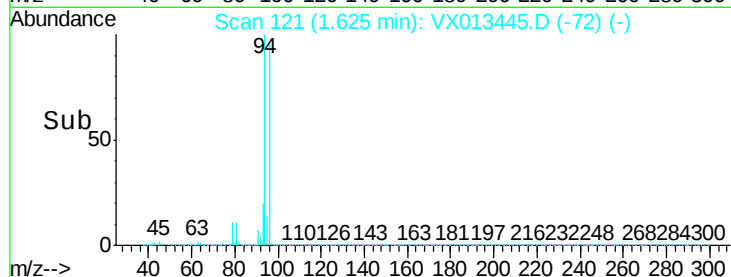
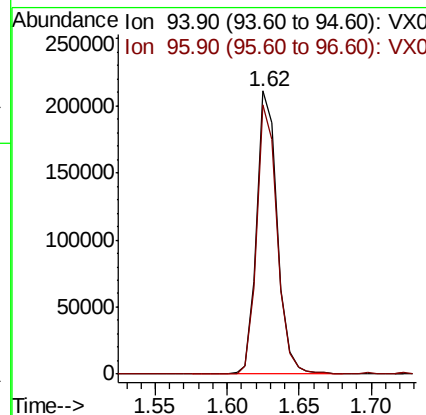
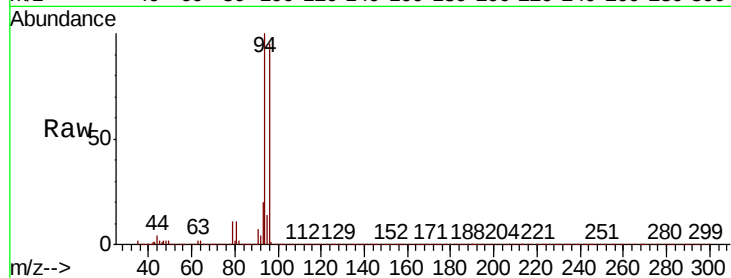
96 95.0 75.8 113.8

Manual Integrations

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#6

Chloroethane

Concen: 46.361 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX013445.D

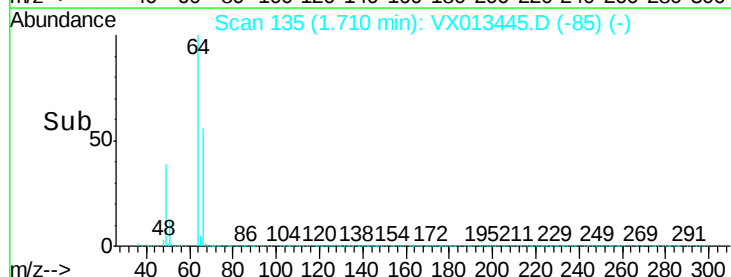
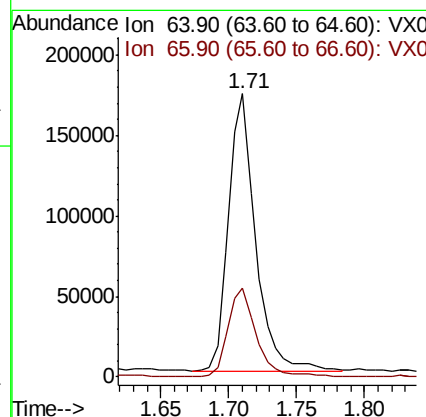
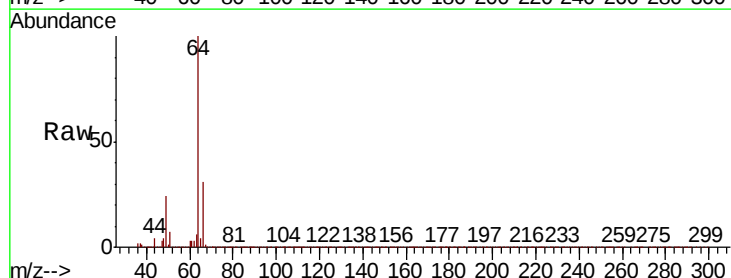
Acq: 15 Nov 2019 14:49

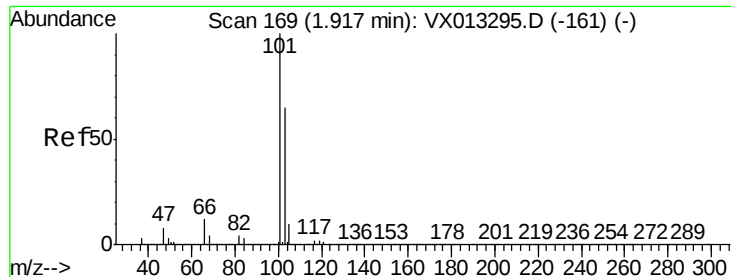
Tgt Ion: 64 Resp: 236485

Ion Ratio Lower Upper

64 100

66 31.6 25.6 38.4





#7

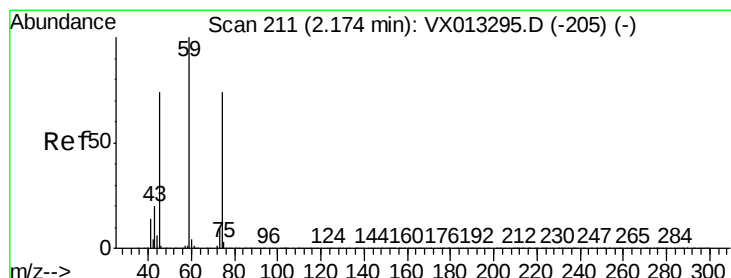
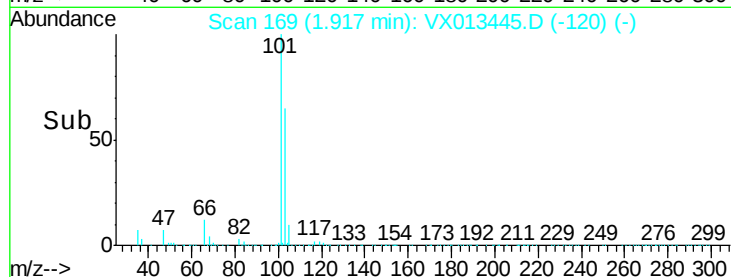
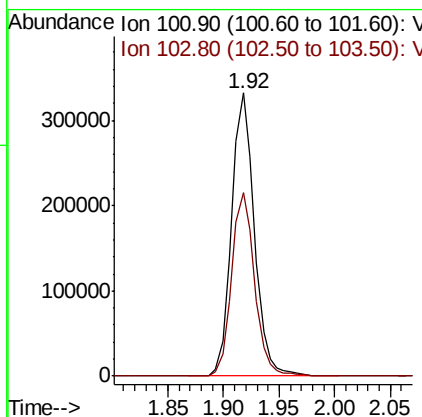
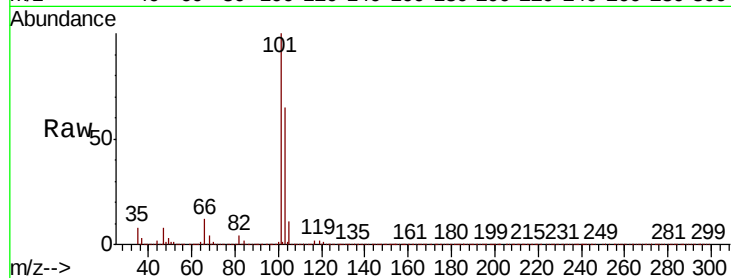
Trichlorofluoromethane
Concen: 44.716 ug/l
RT: 1.92 min Scan# 169
Delta R.T. -0.00 min
Lab File: VX013445.D
Acq: 15 Nov 2019 14:49

Instrument :
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ClientSampleId :
S36-0162MS

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	52.3	78.5

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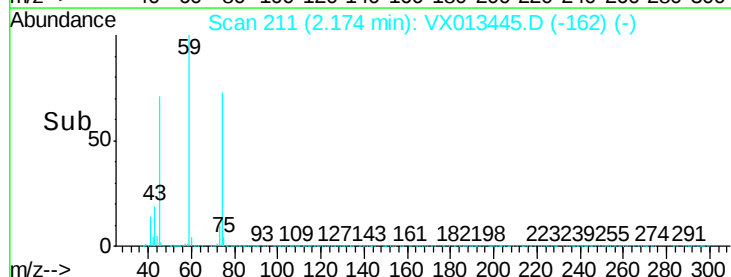
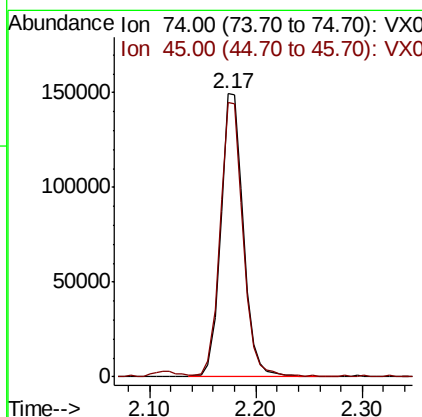
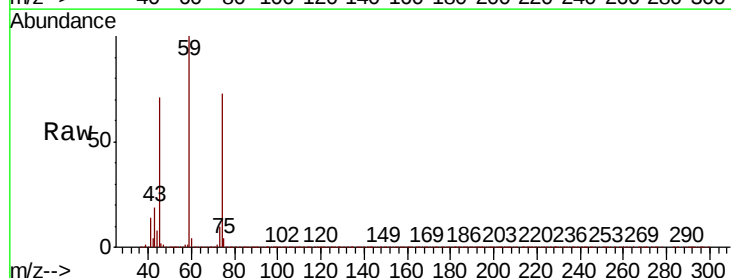
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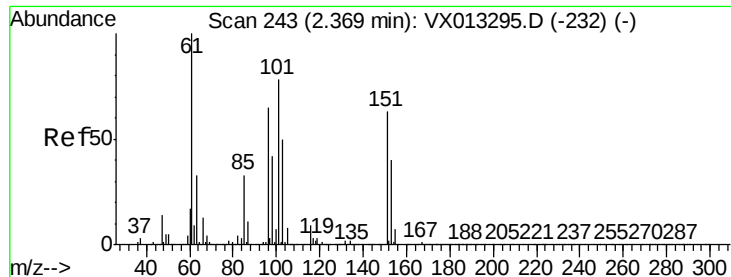


#8

Diethyl Ether
Concen: 47.076 ug/l
RT: 2.17 min Scan# 211
Delta R.T. -0.00 min
Lab File: VX013445.D
Acq: 15 Nov 2019 14:49

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.0	48.5	145.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.585 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.00 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

Instrument :

MSVOA_X

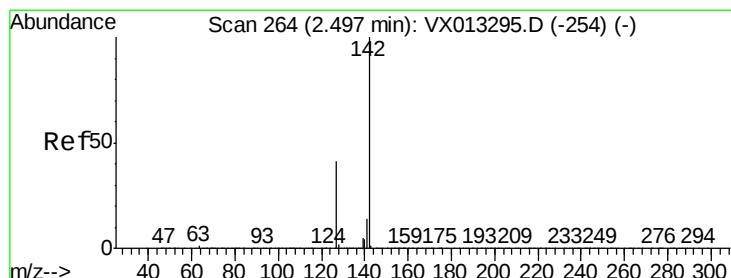
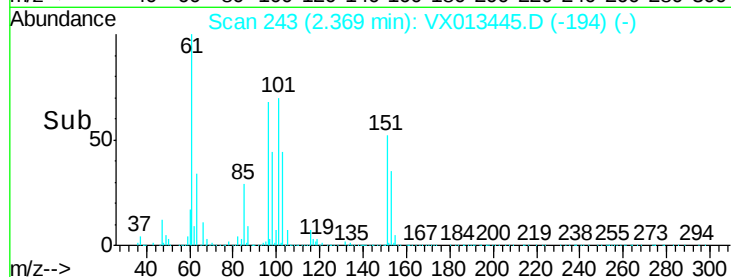
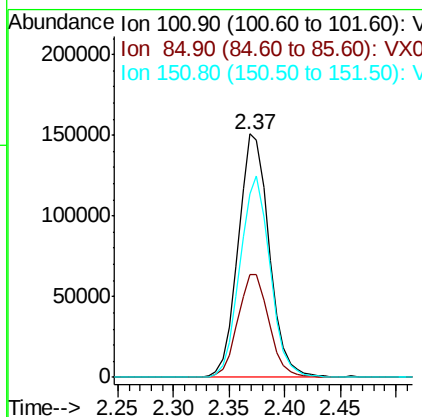
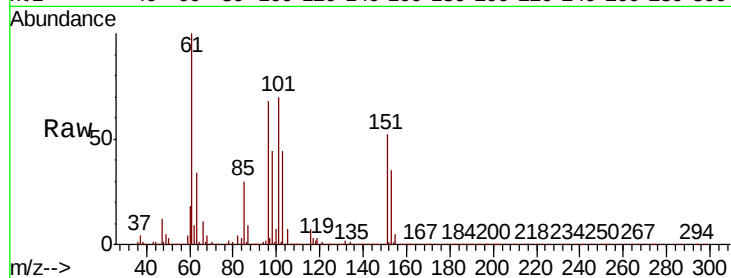
ClientSampleId :

S36-0162MS

Tot Ion	Ratio	Resp	Lower	Upper
101	100	290821		
85	42.4		34.4	51.6
151	81.0		66.4	99.6

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#10

Methyl Iodide

Concen: 35.055 ug/l

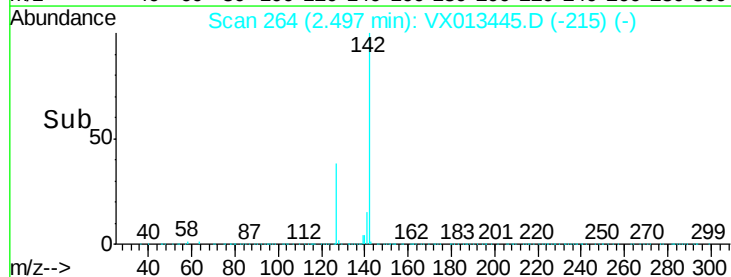
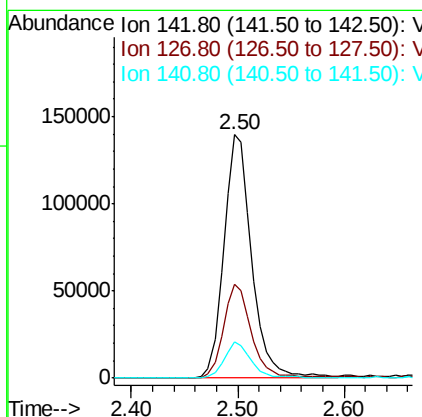
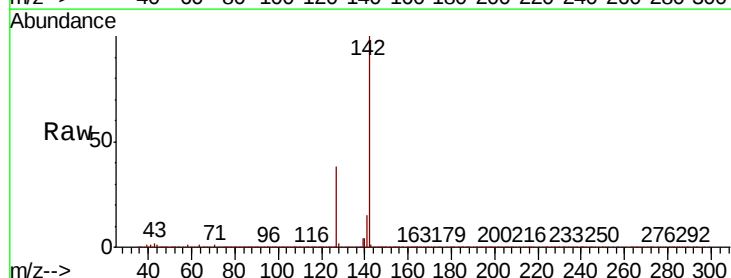
RT: 2.50 min Scan# 264

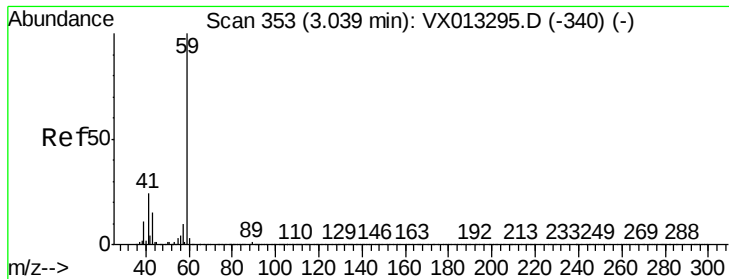
Delta R.T. -0.00 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	254549		
127	38.7		32.6	49.0
141	14.3		11.6	17.4





#11

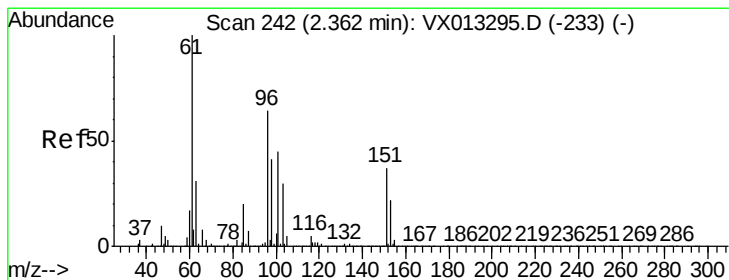
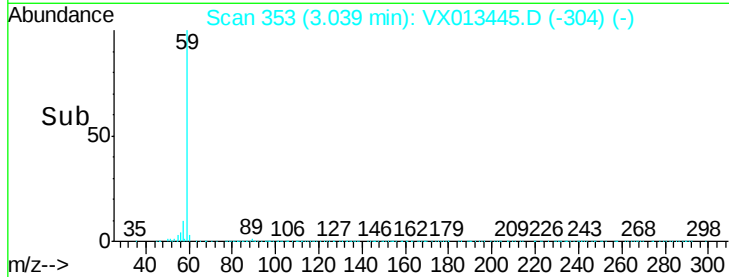
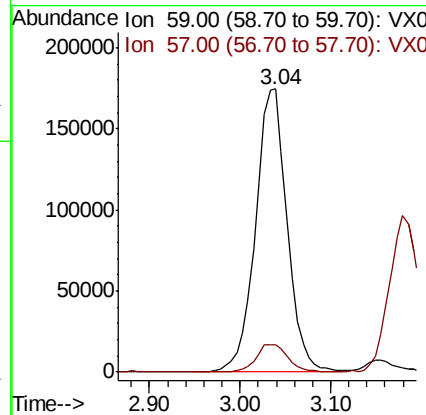
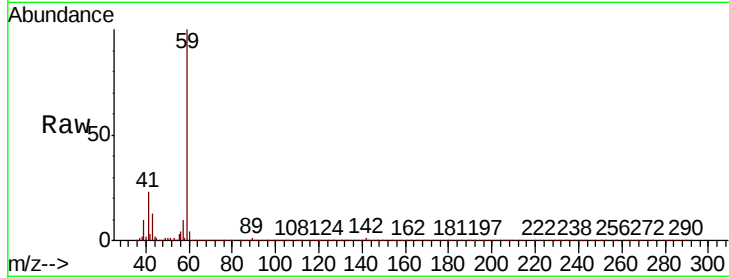
Tert butyl alcohol
Concen: 215.197 ug/l
RT: 3.04 min Scan# 353
Delta R.T. -0.00 min
Lab File: VX013445.D
Acq: 15 Nov 2019 14:49

Instrument :
MSVOA_X
ClientSampleId :
S36-0162MS

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.5	8.0	12.0

Manual Integrations
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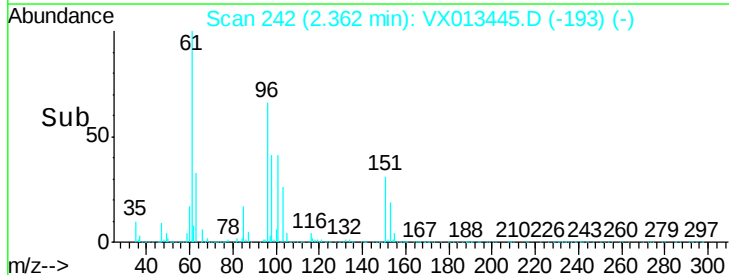
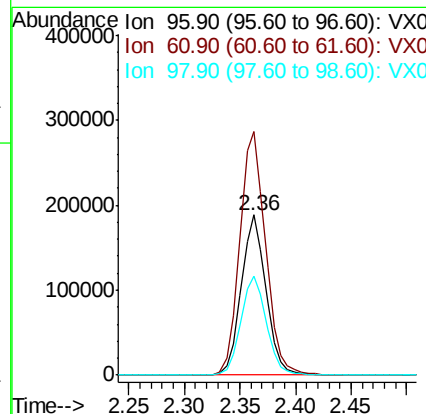
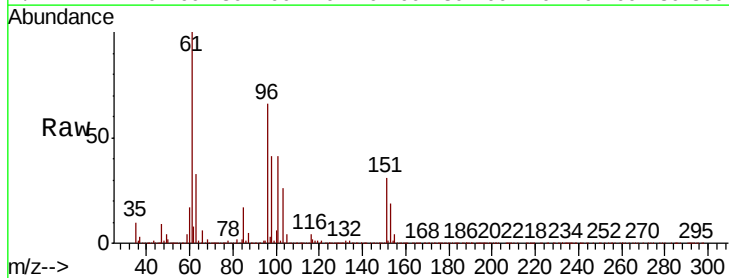
MMDadoda
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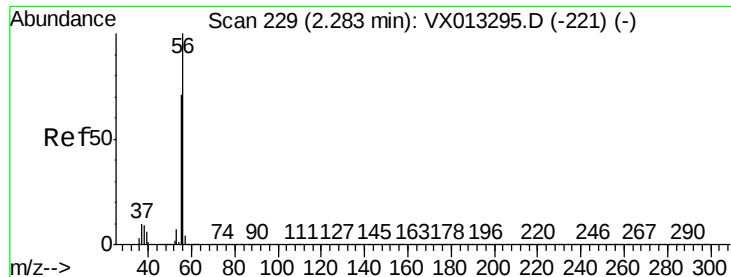


#12

1,1-Dichloroethene
Concen: 50.386 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX013445.D
Acq: 15 Nov 2019 14:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.2	125.0	187.6
98	62.0	50.7	76.1





#13

Acrolein

Concen: 242.583 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.00 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

Instrument :

MSVOA_X

ClientSampleId :

S36-0162MS

Tot Ion: 56 Resp: 257048

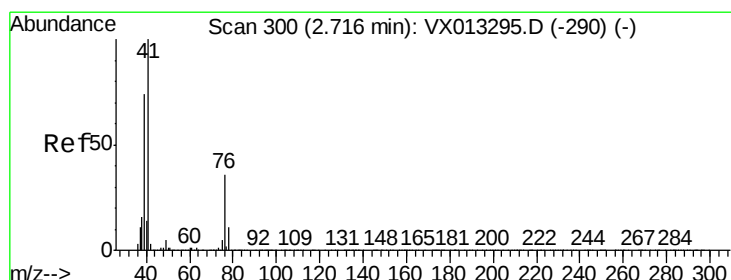
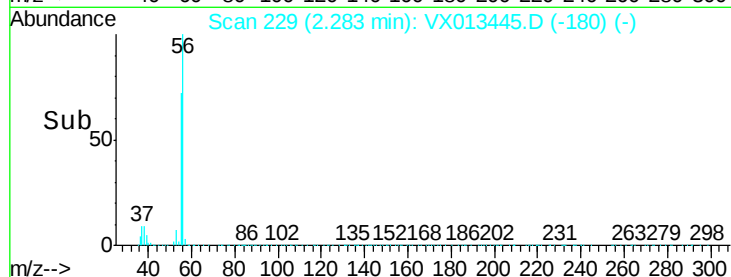
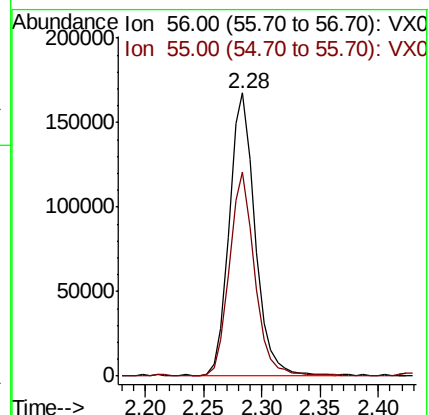
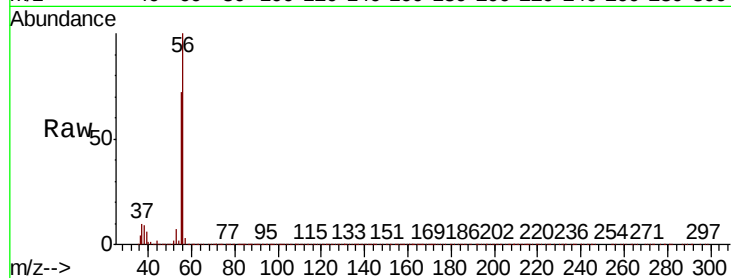
Ion Ratio Lower Upper

56 100

55 70.0 57.4 86.0

Manual Integrations
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#14

Allyl chloride

Concen: 51.088 ug/l

RT: 2.72 min Scan# 300

Delta R.T. -0.00 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

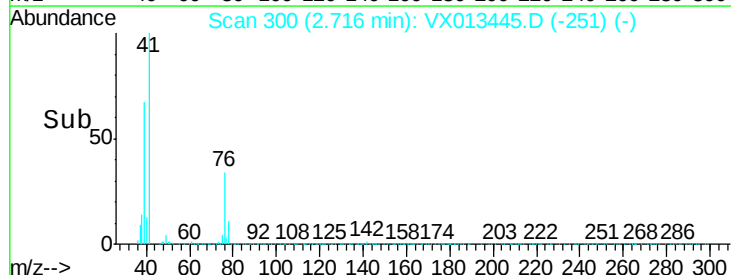
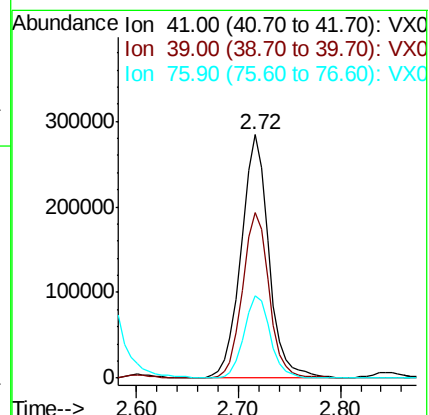
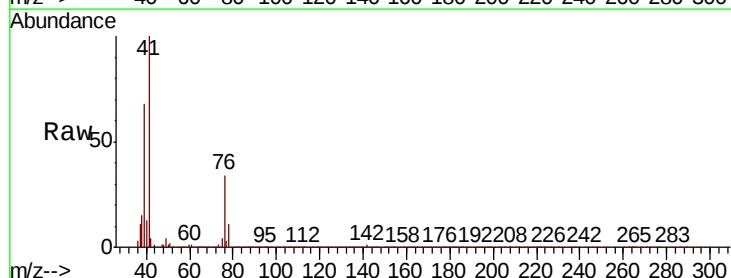
Tgt Ion: 41 Resp: 533133

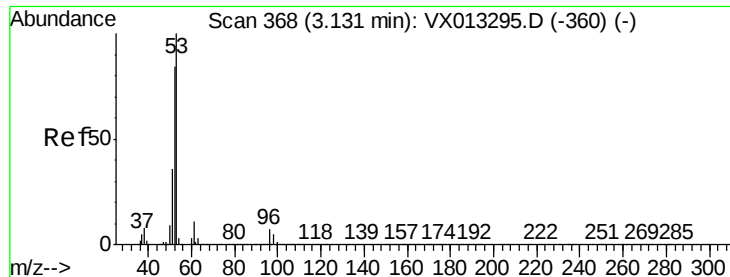
Ion Ratio Lower Upper

41 100

39 65.0 55.8 83.8

76 31.8 26.4 39.6





#15

Acrylonitrile

Concen: 263.196 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

Instrument :

MSVOA_X

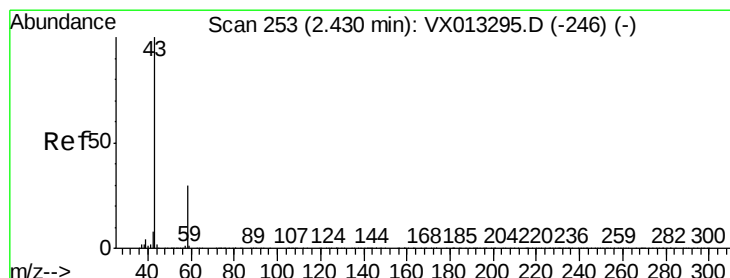
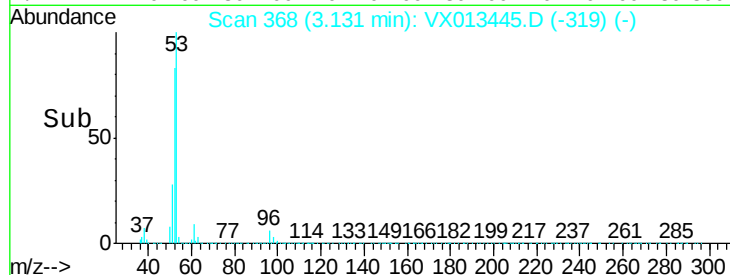
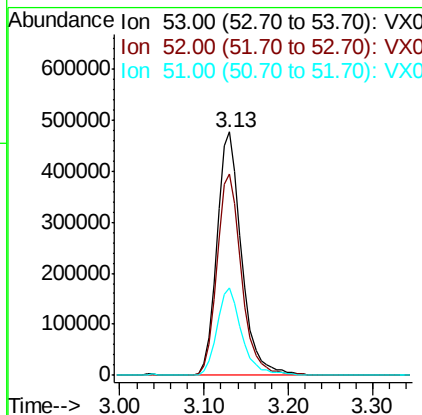
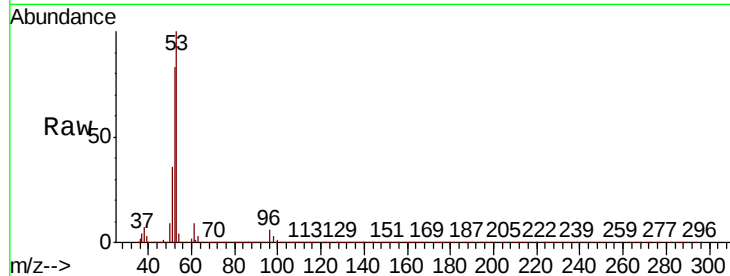
ClientSampleId :

S36-0162MS

Tot Ion:	53	Resp:	961221
Ion Ratio	Lower	Upper	
53	100		
52	82.9	67.4	101.0
51	36.2	29.4	44.2

Manual Integrations
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#16

Acetone

Concen: 219.486 ug/l

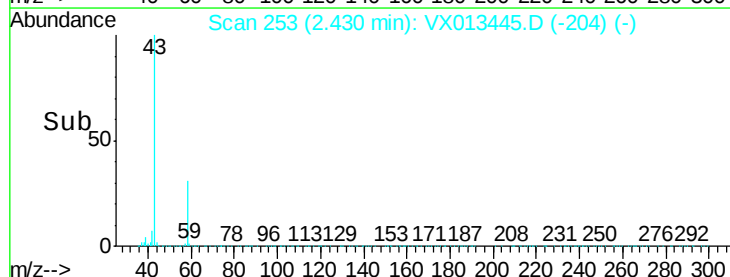
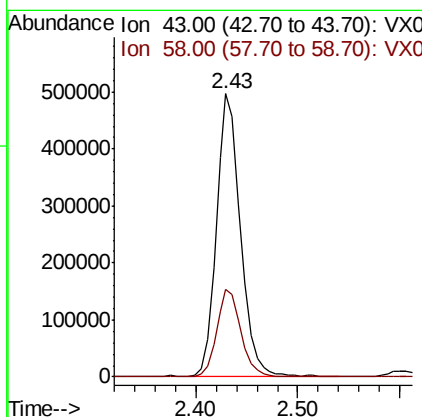
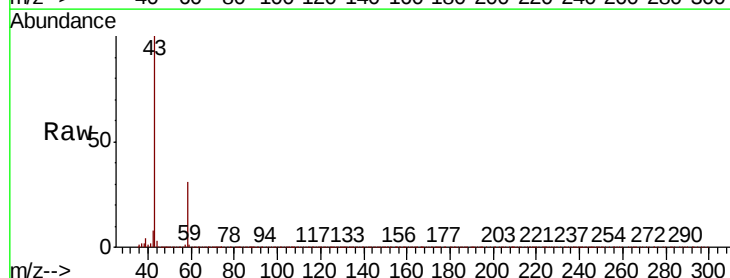
RT: 2.43 min Scan# 253

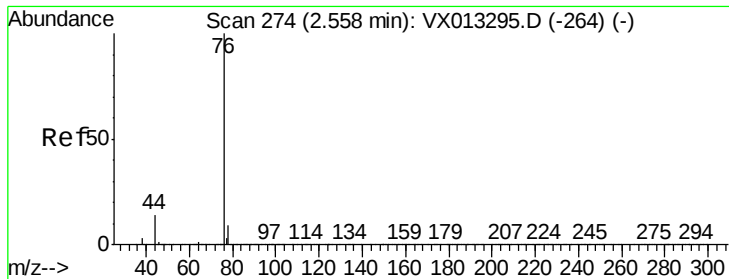
Delta R.T. -0.00 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

Tgt Ion:	43	Resp:	812085
Ion Ratio	Lower	Upper	
43	100		
58	30.7	24.3	36.5





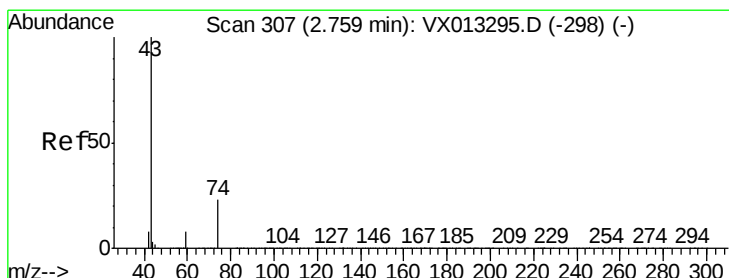
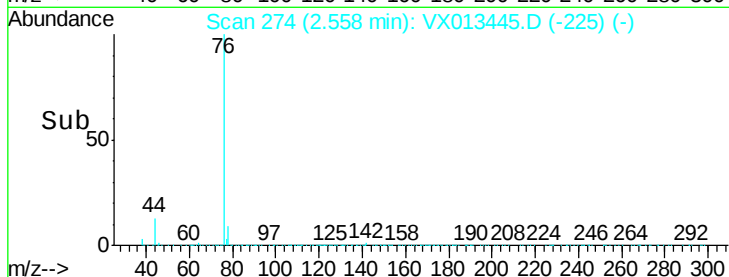
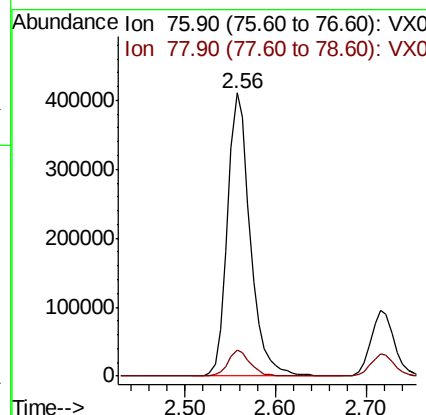
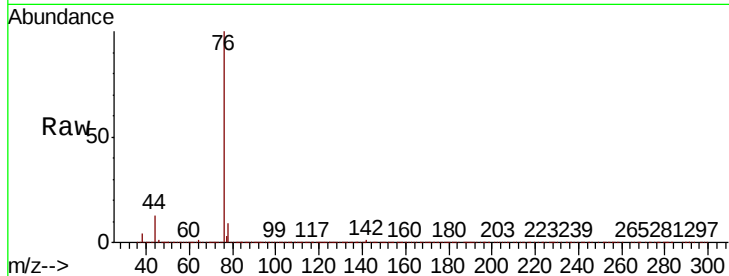
#17
Carbon Disulfide
Concen: 46.711 ug/l
RT: 2.56 min Scan# 274
Delta R.T. -0.00 min
Lab File: VX013445.D
Acq: 15 Nov 2019 14:49

Instrument :
MSVOA_X
ClientSampleId :
S36-0162MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.0	10.6

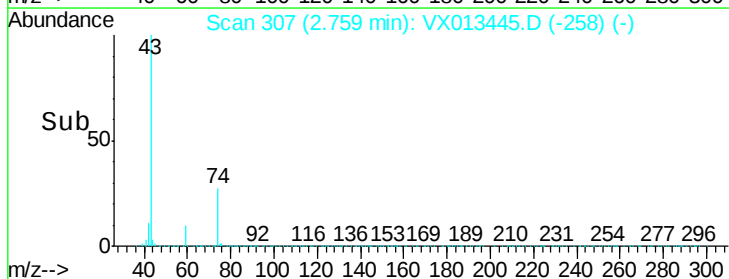
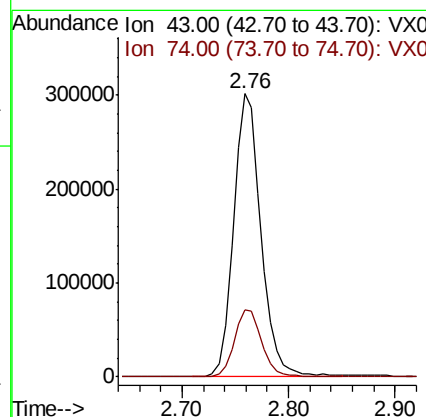
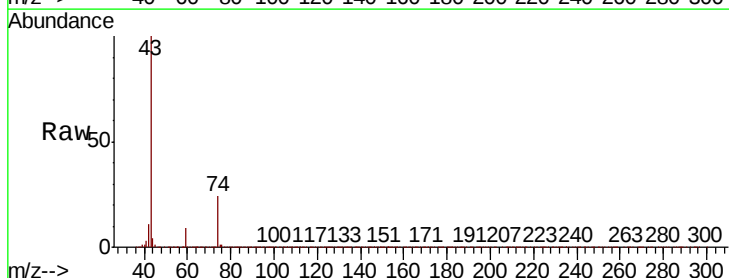
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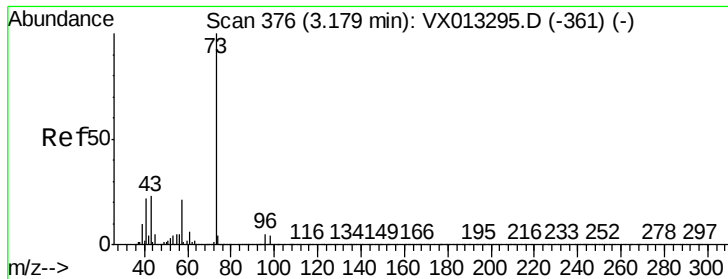
MMDadoda
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#18
Methyl Acetate
Concen: 52.658 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.00 min
Lab File: VX013445.D
Acq: 15 Nov 2019 14:49

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.9	19.0	28.6





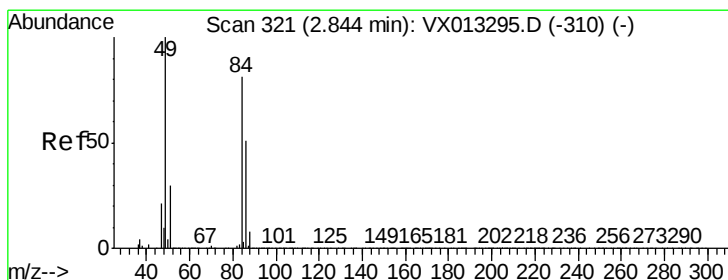
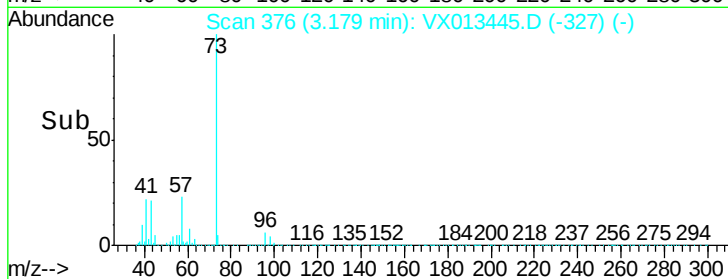
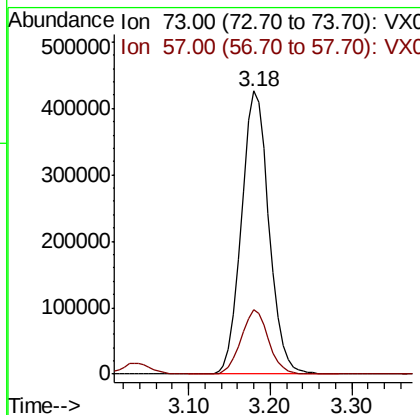
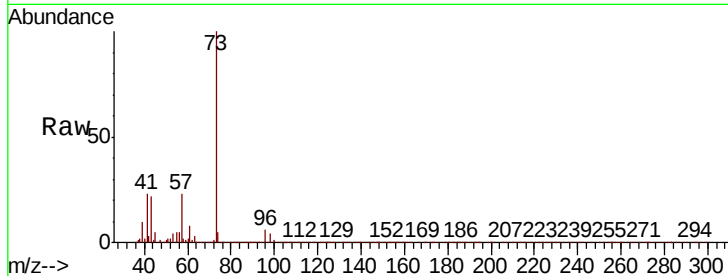
#19
Methvl tert-butvl Ether
Concen: 51.993 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.00 min
Lab File: VX013445.D
Acq: 15 Nov 2019 14:49

Instrument :
MSVOA_X
ClientSampleId :
S36-0162MS

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.5	17.1	25.7

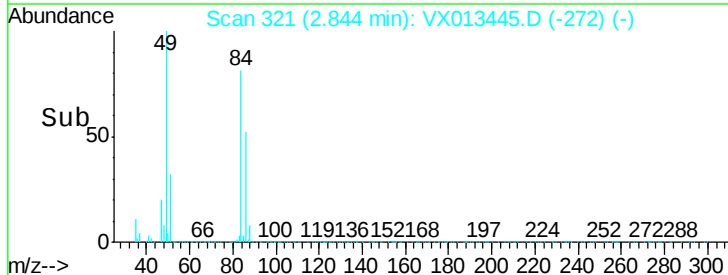
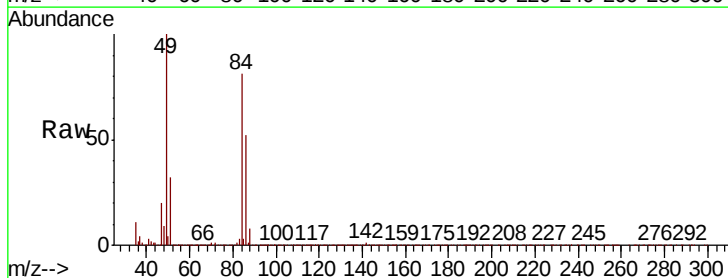
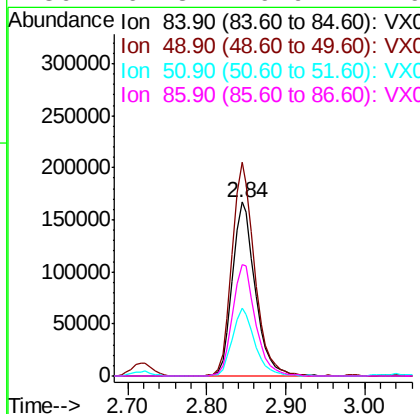
Manual Integrations
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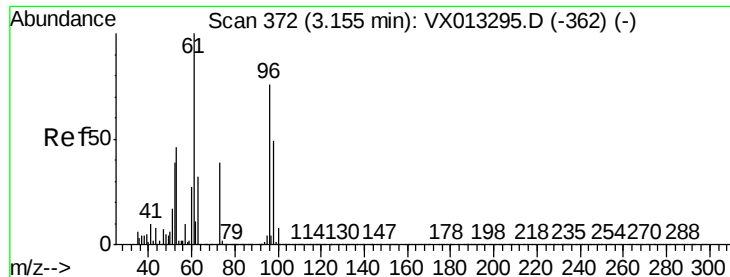
MMDadoda
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#20
Methylene Chloride
Concen: 48.941 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX013445.D
Acq: 15 Nov 2019 14:49

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.8	98.2	147.4
51	39.1	29.9	44.9
86	64.3	49.9	74.9





#21

trans-1,2-Dichloroethene

Concen: 49.859 ug/l

RT: 3.16 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX013445.D

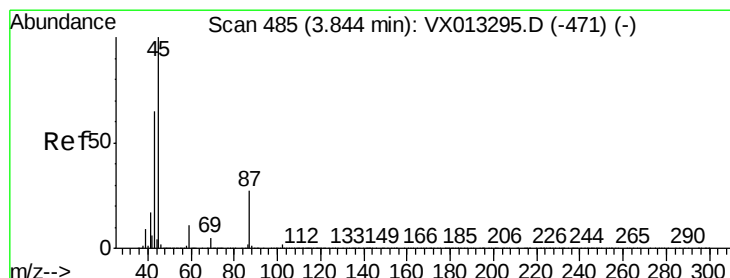
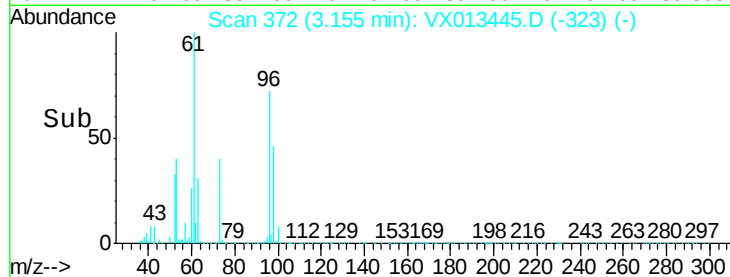
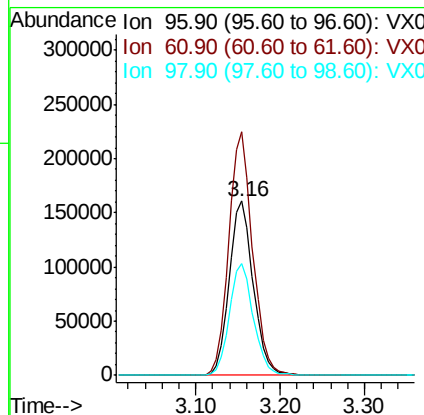
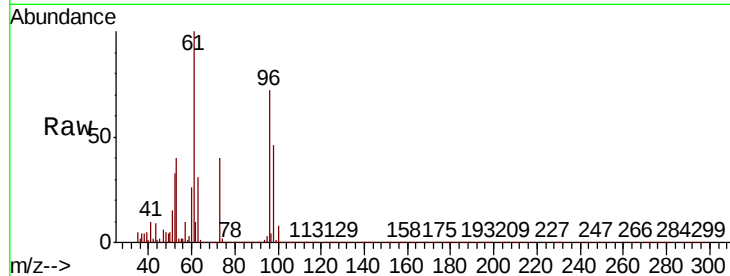
Acq: 15 Nov 2019 14:49

Tot Ion:	96	Resp:	311797
Ion Ratio	Lower	Upper	
96	100		
61	139.5	105.8	158.6
98	64.0	51.8	77.6

Instrument :
MSVOA_X
ClientSampleId :
S36-0162MS

Manual Integrations
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#22

Diisopropyl ether

Concen: 53.500 ug/l

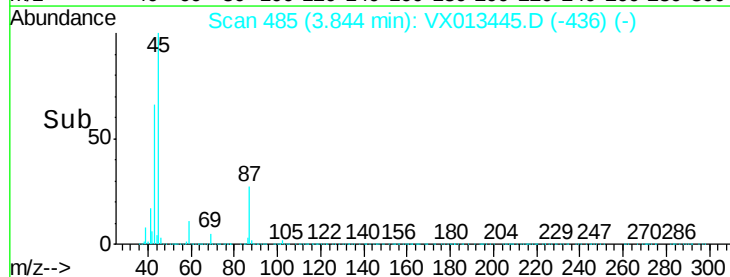
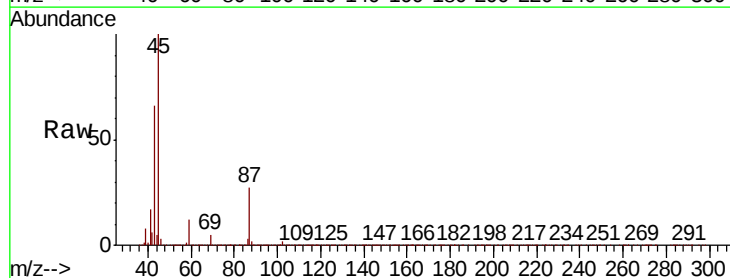
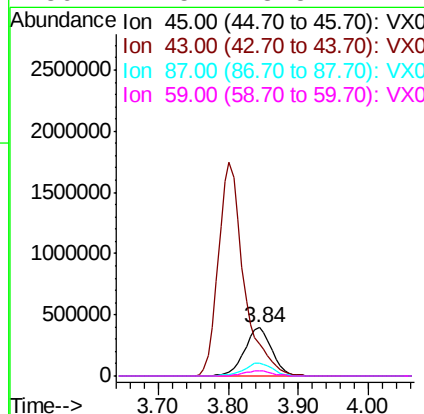
RT: 3.84 min Scan# 485

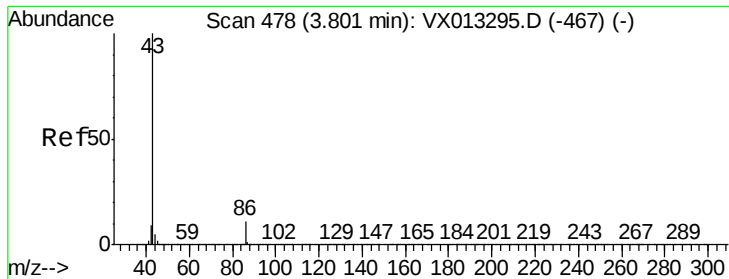
Delta R.T. -0.00 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

Tgt Ion:	45	Resp:	1077886
Ion Ratio	Lower	Upper	
45	100		
43	65.7	54.2	81.2
87	27.2	21.8	32.8
59	11.5	8.5	12.7





#23

Vinyl Acetate

Concen: 256.584 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

Instrument :

MSVOA_X

ClientSampleId :

S36-0162MS

Tot Ion: 43 Resp: 4423489

Ion Ratio Lower Upper

43 100

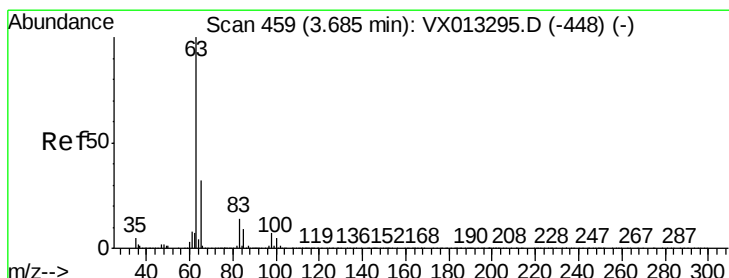
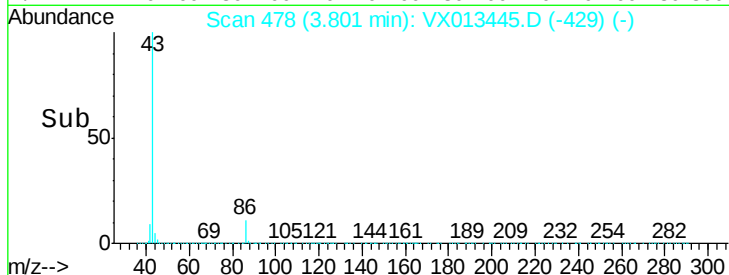
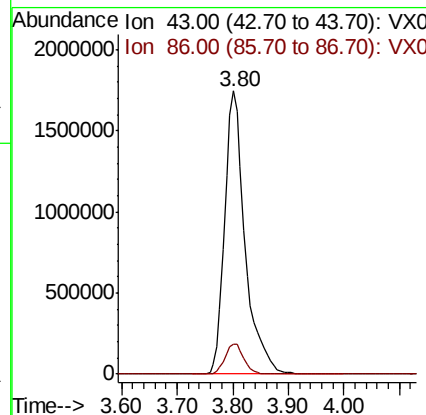
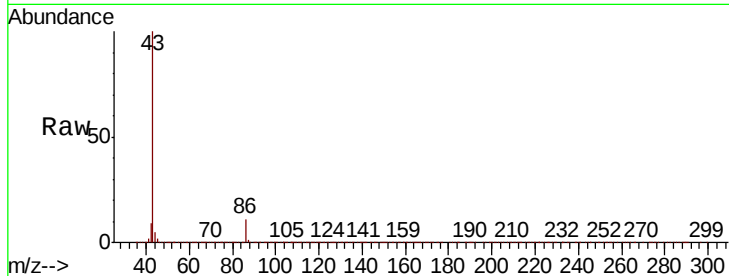
86 10.8 8.6 13.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 51.136 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

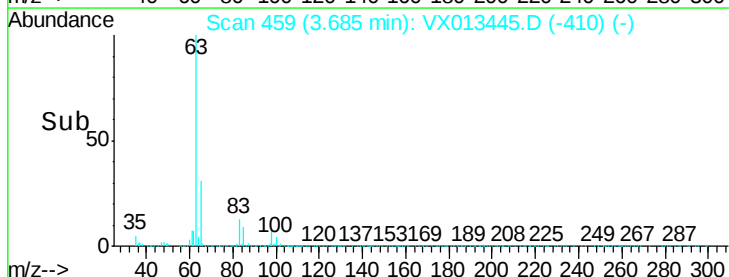
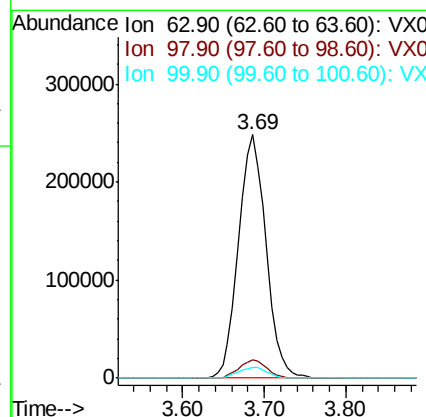
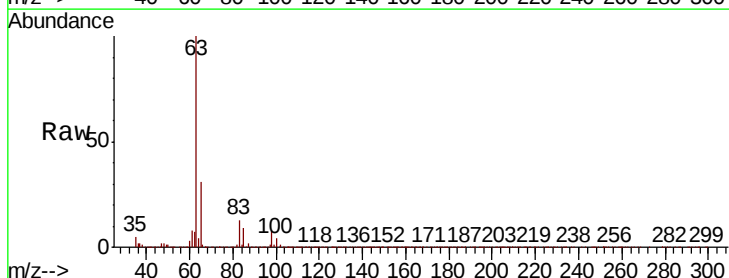
Tgt Ion: 63 Resp: 576332

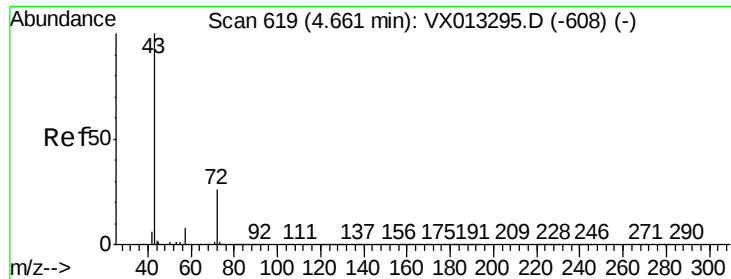
Ion Ratio Lower Upper

63 100

98 7.7 3.5 10.4

100 4.1 2.4 7.2





#25

2-Butanone

Concen: 246.570 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.01 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

Instrument :

MSVOA_X

ClientSampleId :

S36-0162MS

Tot Ion: 43 Resp: 1338349

Ion Ratio Lower Upper

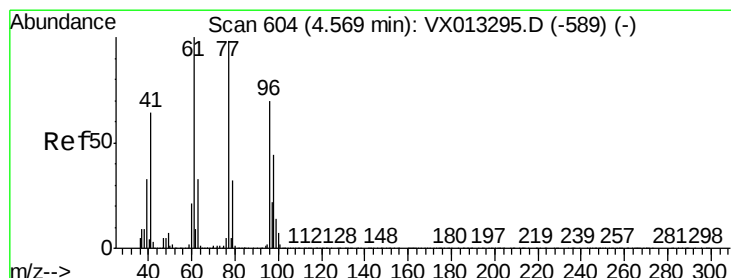
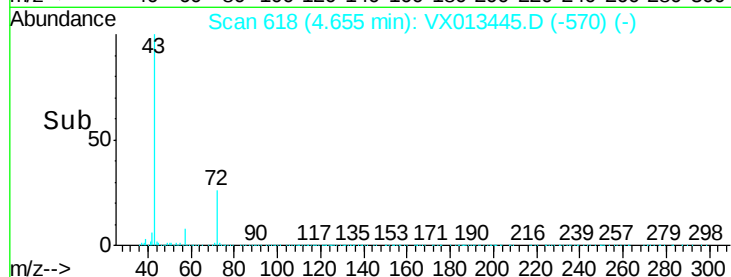
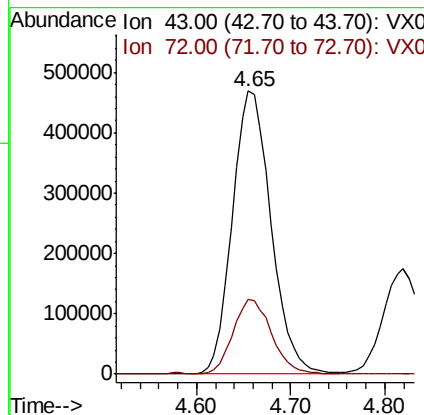
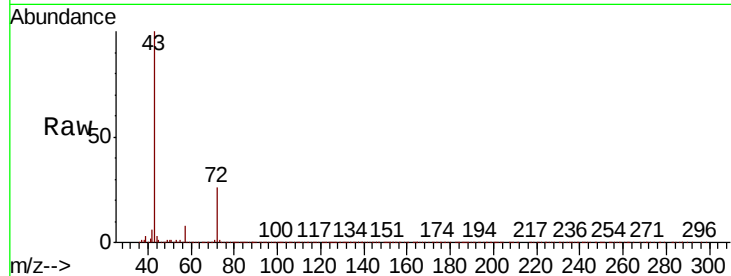
43 100

72 26.1 21.0 31.6

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 50.130 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX013445.D

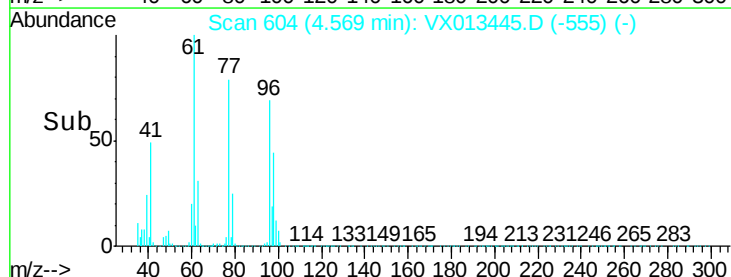
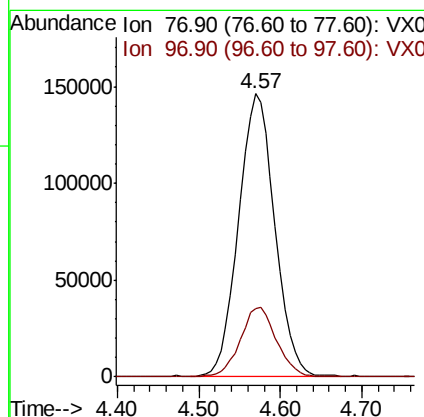
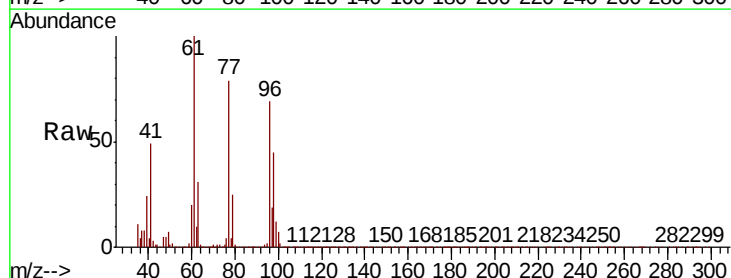
Acq: 15 Nov 2019 14:49

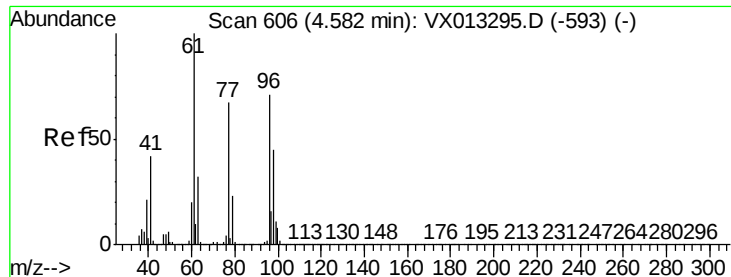
Tgt Ion: 77 Resp: 449464

Ion Ratio Lower Upper

77 100

97 24.2 11.3 33.8





#27

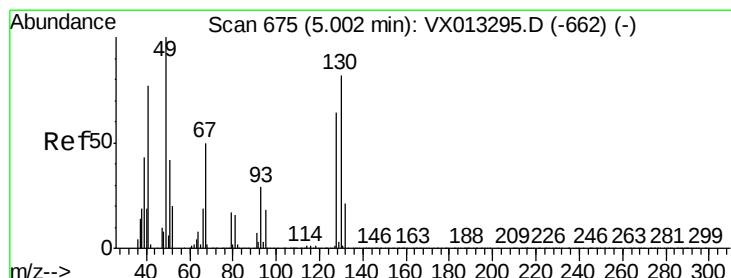
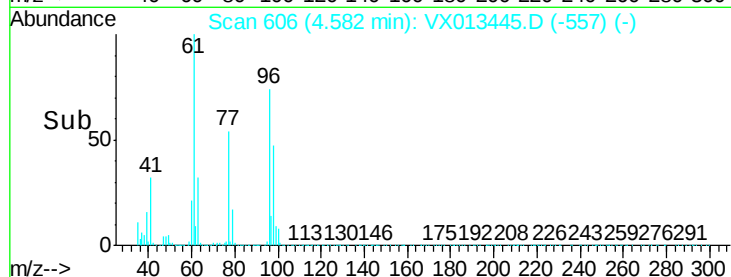
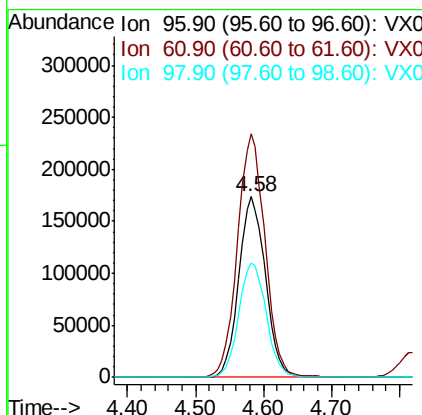
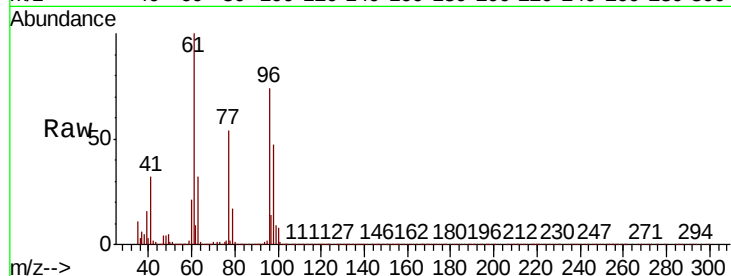
cis-1,2-Dichloroethene
Concen: 67.551 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.00 min
Lab File: VX013445.D
Acq: 15 Nov 2019 14:49

Instrument :
MSVOA_X
ClientSampleId :
S36-0162MS

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.4	0.0	288.0
98	65.4	0.0	129.6

Manual Integrations
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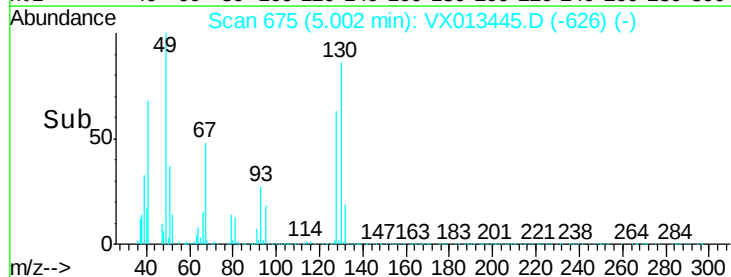
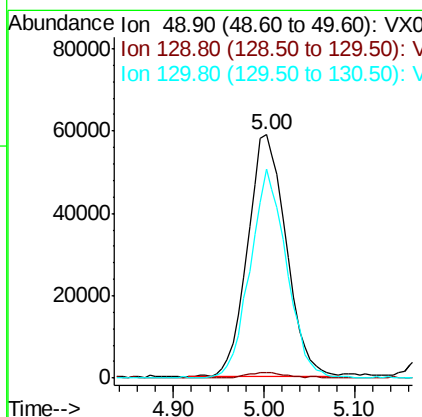
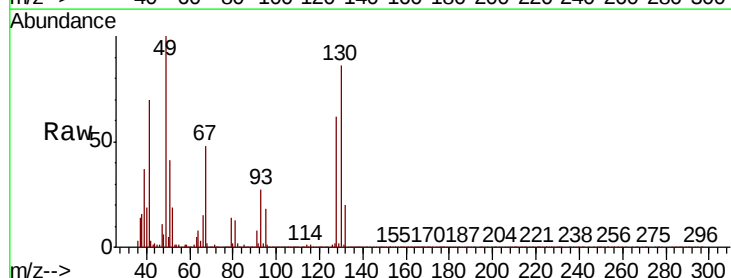
MMDadoda
11/18/2019 10:24:17 AM

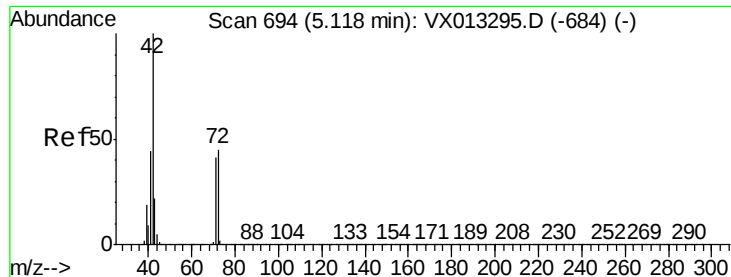


#28

Bromochloromethane
Concen: 54.126 ug/l
RT: 5.00 min Scan# 675
Delta R.T. -0.00 min
Lab File: VX013445.D
Acq: 15 Nov 2019 14:49

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	5.2
130	80.5	63.8	95.6





#29

Tetrahydrofuran

Concen: 258.349 ug/l

RT: 5.11 min Scan# 693

Delta R.T. -0.01 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

Instrument :

MSVOA_X

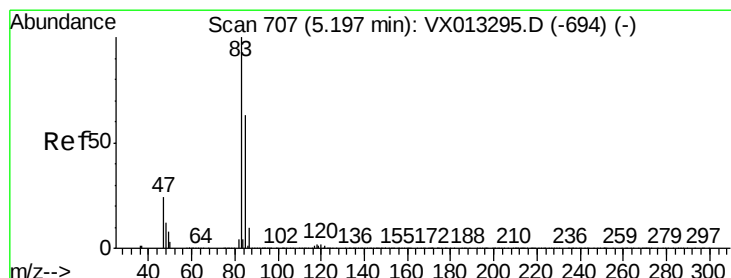
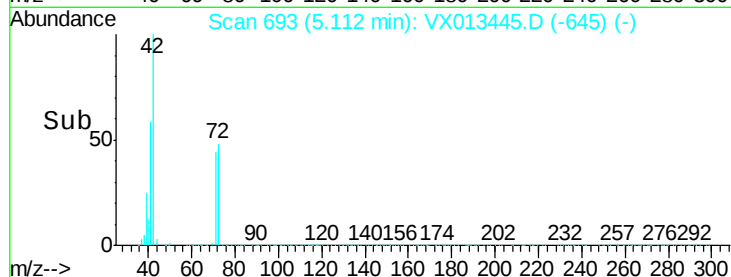
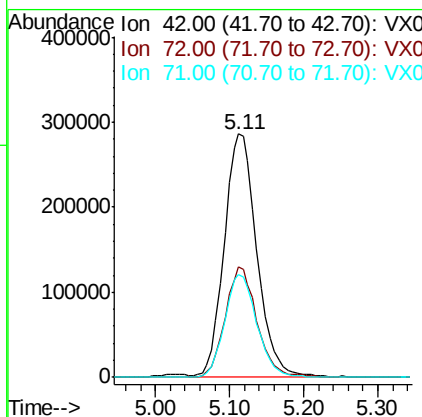
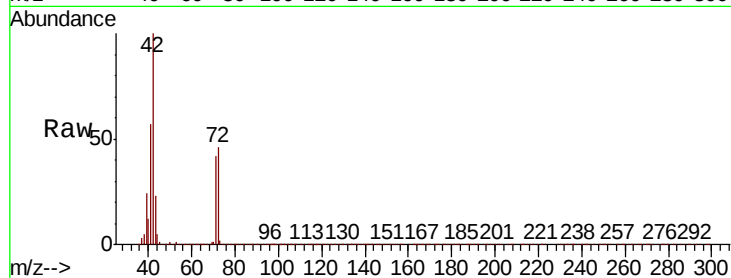
ClientSampleId :

S36-0162MS

Tot Ion	42	Resp	864146
Ion Ratio	Lower	Upper	
42	100		
72	44.8	35.8	53.8
71	42.2	33.4	50.0

Manual Integrations
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#30

Chloroform

Concen: 50.815 ug/l

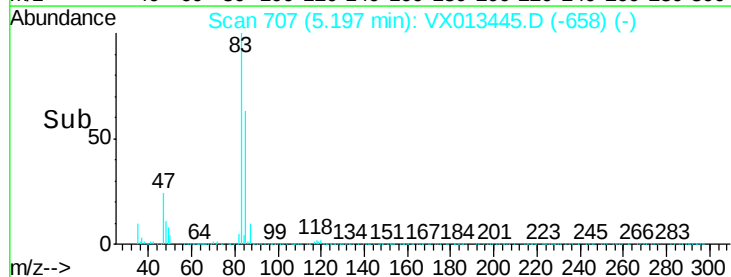
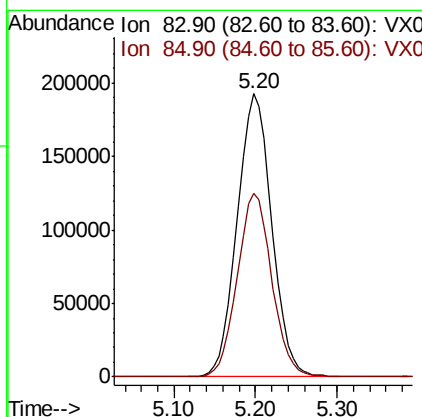
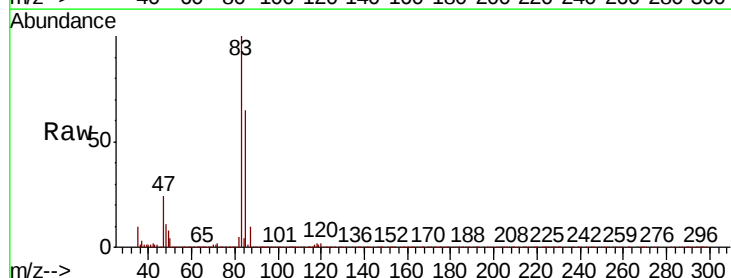
RT: 5.20 min Scan# 707

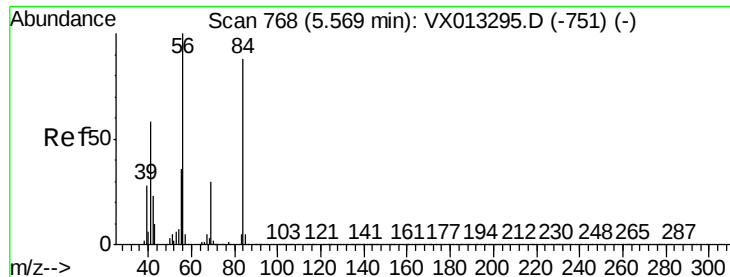
Delta R.T. -0.00 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

Tgt Ion	83	Resp	565518
Ion Ratio	Lower	Upper	
83	100		
85	64.8	50.2	75.4





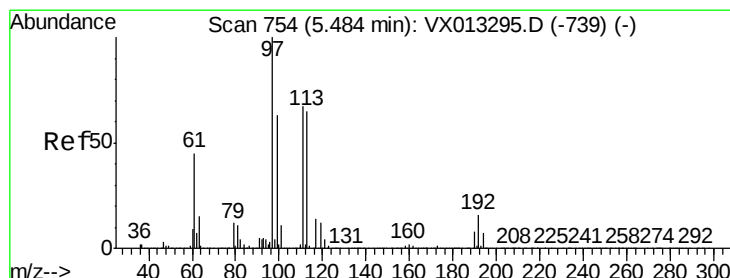
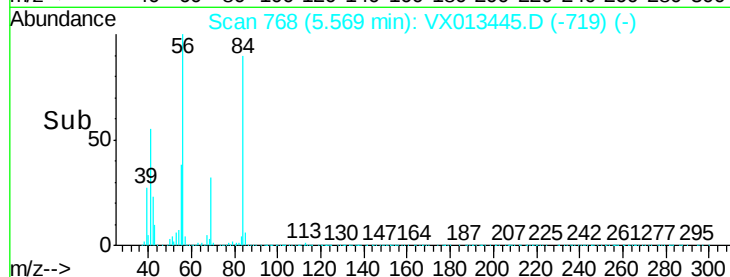
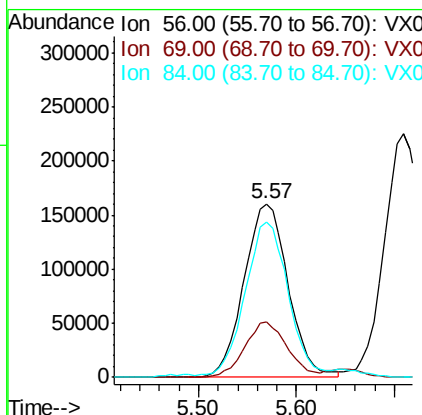
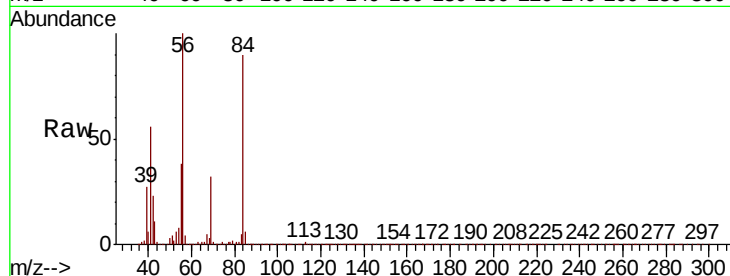
#31
Cyclohexane
Concen: 49.484 ug/l
RT: 5.57 min Scan# 768
Delta R.T. -0.00 min
Lab File: VX013445.D
Acq: 15 Nov 2019 14:49

Instrument :
MSVOA_X
ClientSampleId :
S36-0162MS

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.5	23.7	35.5
84	88.1	70.6	105.8

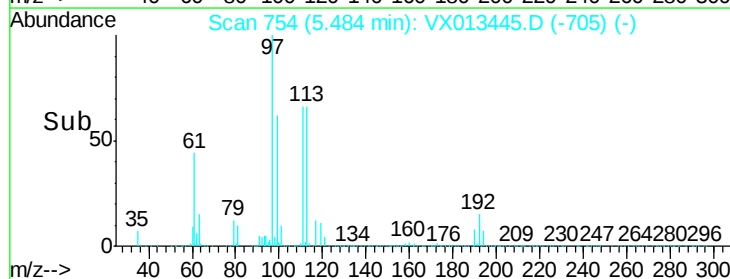
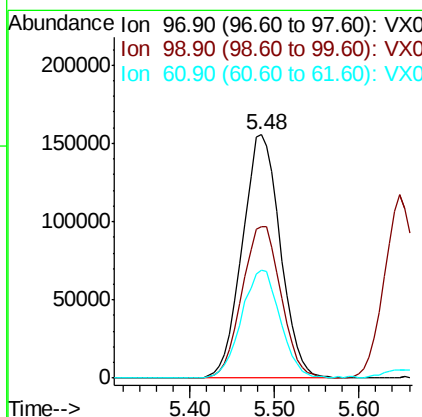
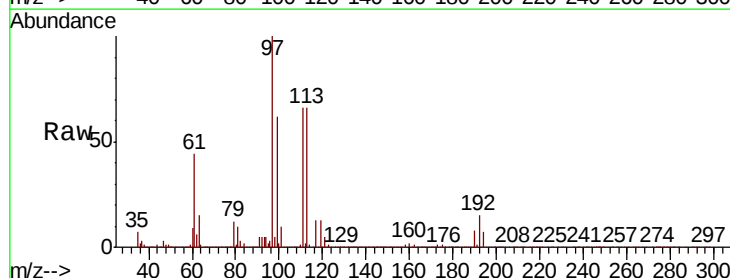
Manual Integrations
APPROVED

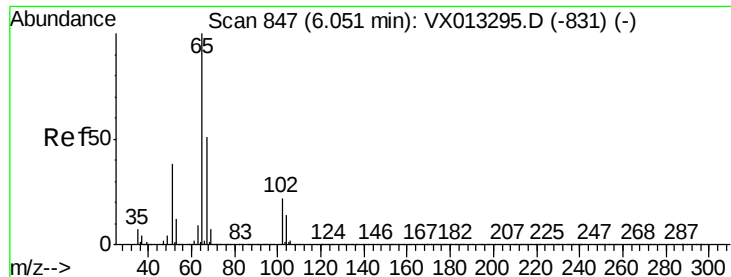
MMDadoda
11/18/2019 10:24:17 AM



#32
1,1,1-Trichloroethane
Concen: 49.742 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.00 min
Lab File: VX013445.D
Acq: 15 Nov 2019 14:49

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.1	76.7
61	45.1	36.5	54.7





#33

1,2-Dichloroethane-d4

Concen: 47.745 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

Instrument :

MSVOA_X

ClientSampleId :

S36-0162MS

Tot Ion: 65 Resp: 354168

Ion Ratio Lower Upper

65 100

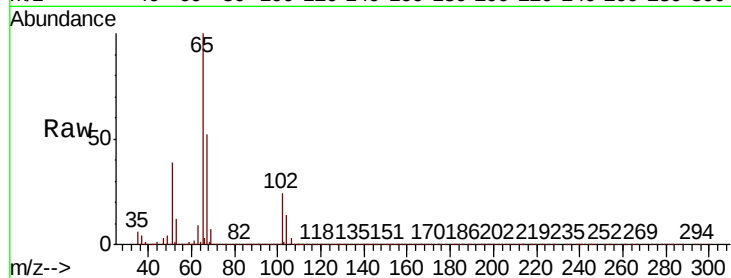
67 53.3 0.0 104.2

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

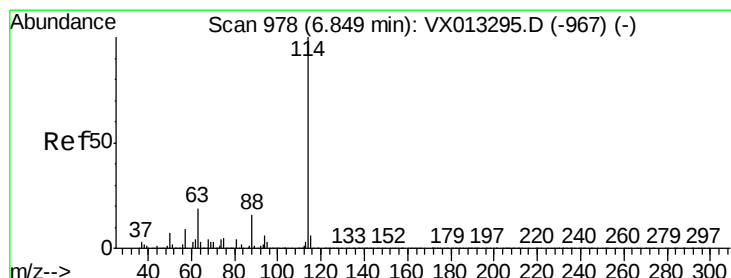
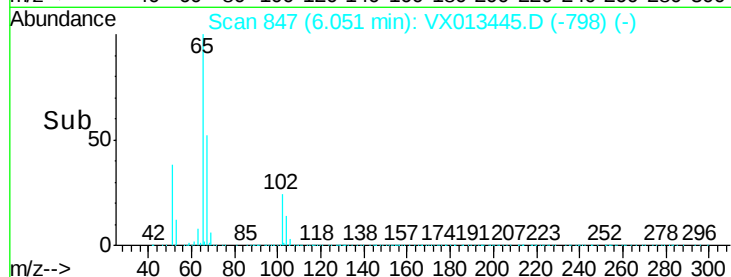
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

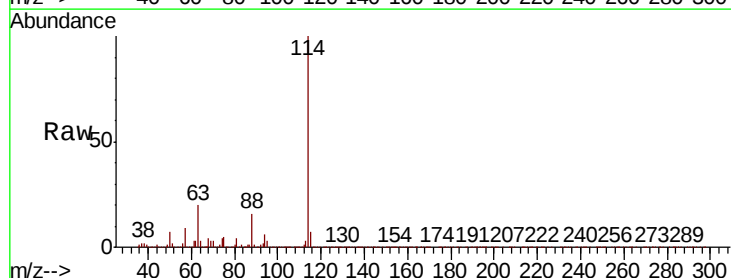
Tgt Ion: 114 Resp: 964994

Ion Ratio Lower Upper

114 100

63 19.8 0.0 38.4

88 15.5 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.85

500000

400000

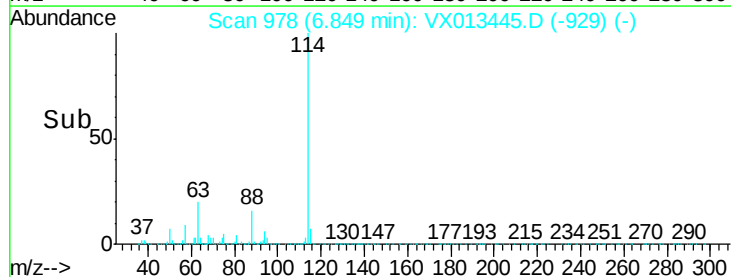
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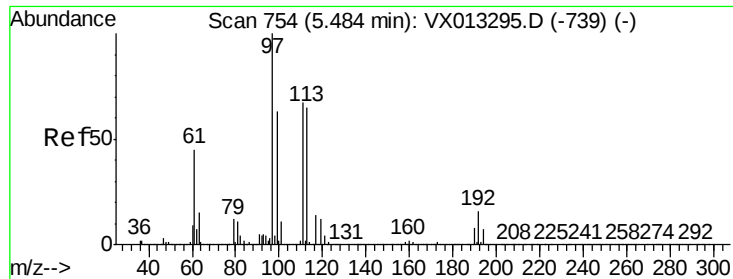
200000

100000

0

Time-->





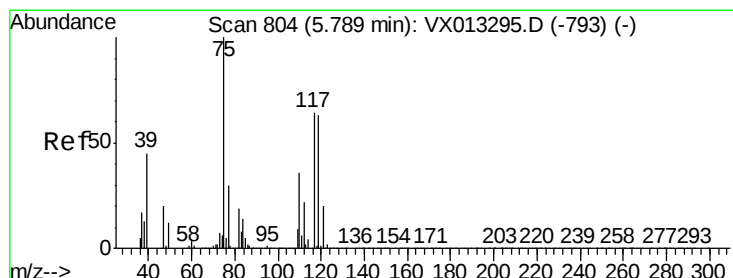
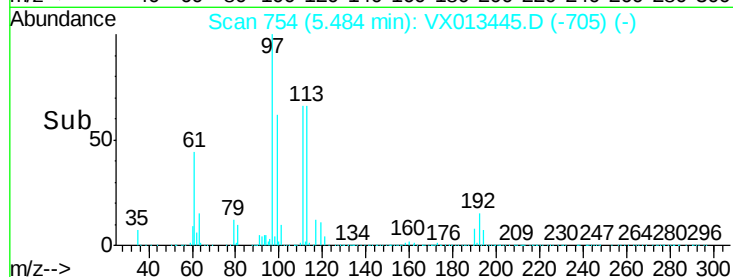
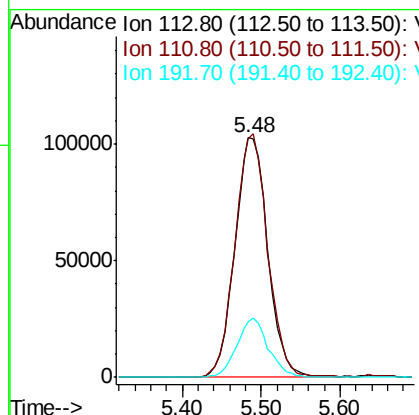
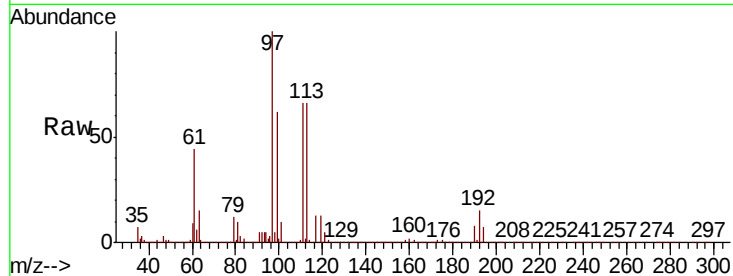
#35
Dibromofluoromethane
Concen: 48.909 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.00 min
Lab File: VX013445.D
Acq: 15 Nov 2019 14:49

Instrument :
MSVOA_X
ClientSampleId :
S36-0162MS

Tot Ion	Ratio	Resp	Lower	Upper
113	100	296026		
111	101.1	81.9	122.9	
192	23.7	19.1	28.7	

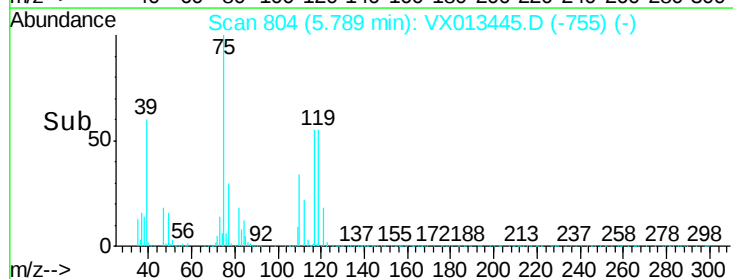
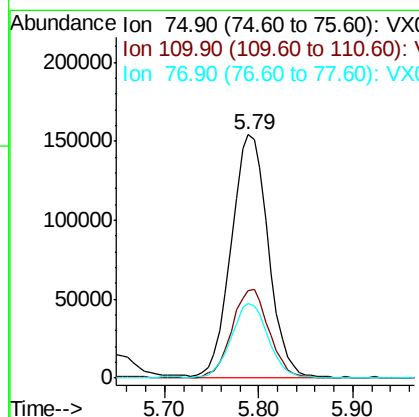
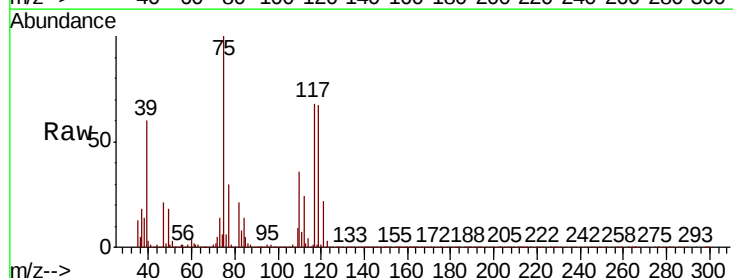
Manual Integrations
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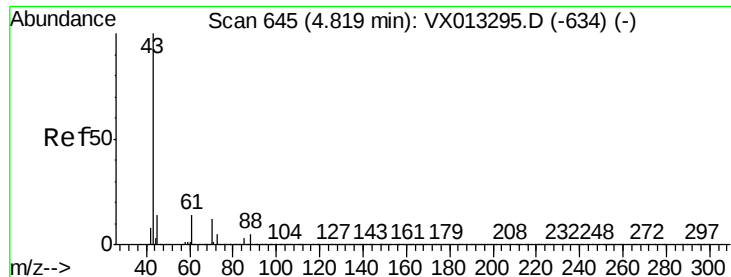
MMDadoda
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#36
1,1-Dichloropropene
Concen: 50.561 ug/l
RT: 5.79 min Scan# 804
Delta R.T. -0.00 min
Lab File: VX013445.D
Acq: 15 Nov 2019 14:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	418565		
110	36.8	18.1	54.1	
77	30.7	25.0	37.4	





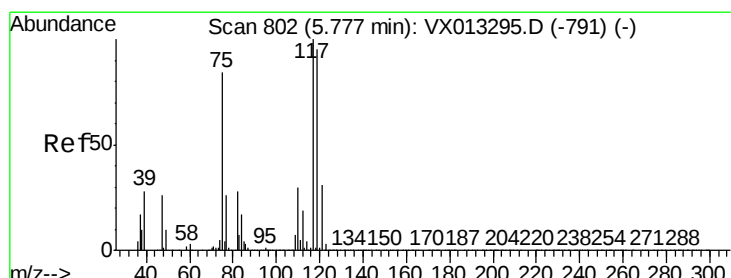
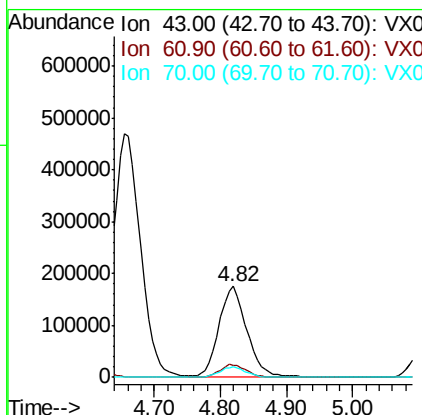
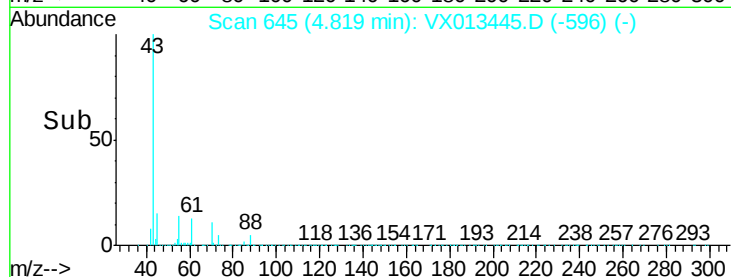
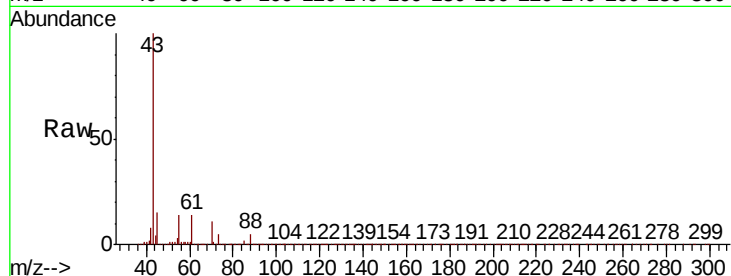
#37
Ethyl Acetate
Concen: 49.744 ug/l
RT: 4.82 min Scan# 645
Delta R.T. -0.00 min
Lab File: VX013445.D
Acq: 15 Nov 2019 14:49

Instrument :
MSVOA_X
ClientSampleId :
S36-0162MS

Tot Ion	43	Resp	508848
Ion Ratio	Lower	Upper	
43	100		
61	13.2	10.7	16.1
70	10.8	8.7	13.1

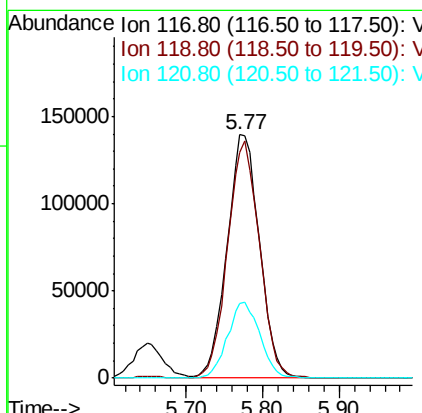
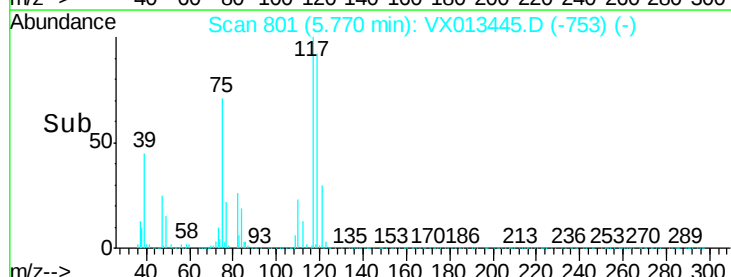
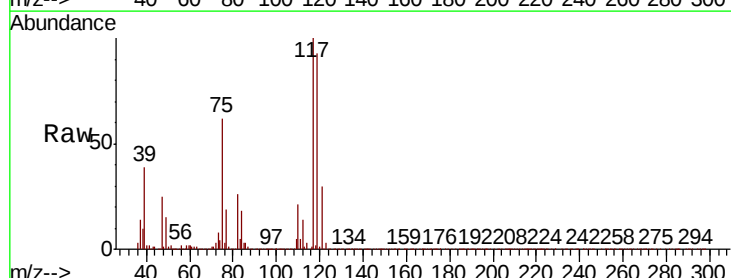
Manual Integrations
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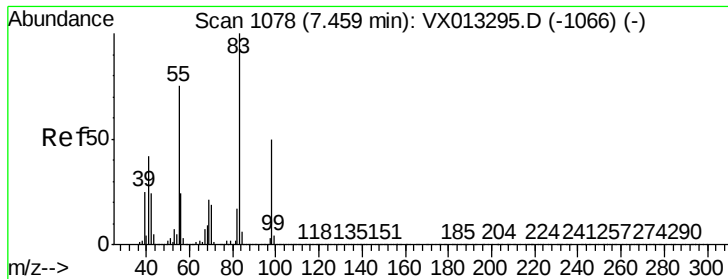
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#38
Carbon Tetrachloride
Concen: 50.404 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX013445.D
Acq: 15 Nov 2019 14:49

Tgt Ion	117	Resp	408035
Ion Ratio	Lower	Upper	
117	100		
119	92.7	76.1	114.1
121	30.3	24.6	37.0





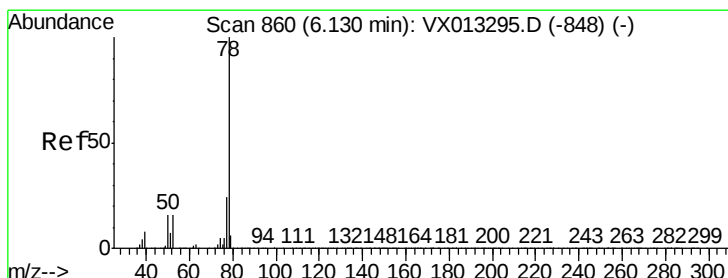
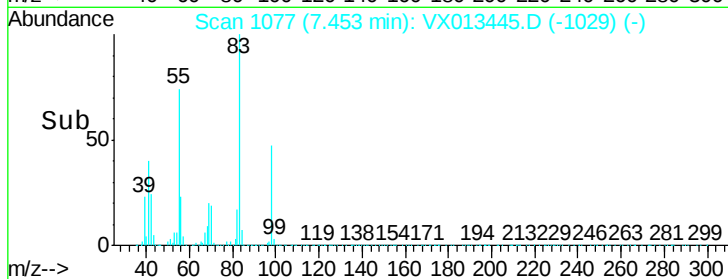
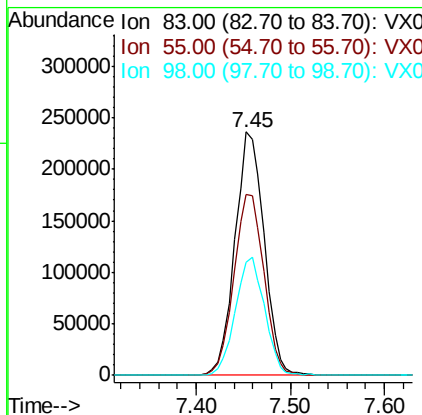
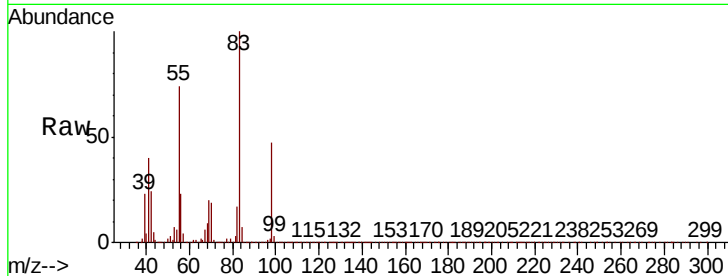
#39
Methvlcvclohexane
Concen: 49.095 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX013445.D
Acq: 15 Nov 2019 14:49

Instrument :
MSVOA_X
ClientSampleId :
S36-0162MS

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.2	60.3	90.5
98	46.5	40.3	60.5

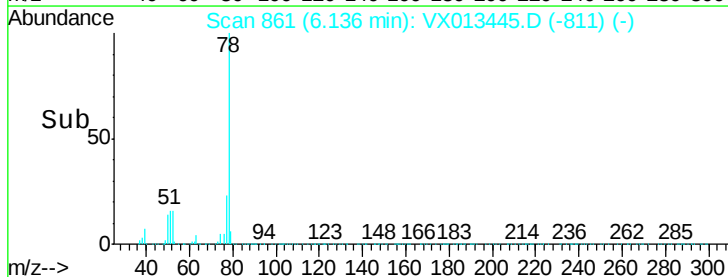
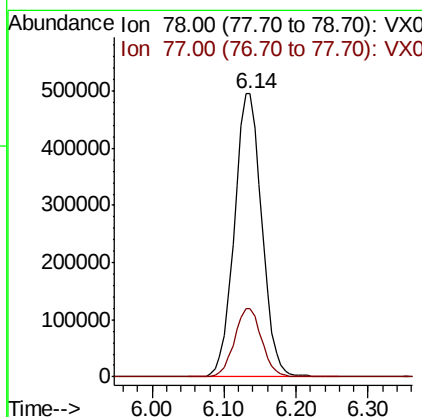
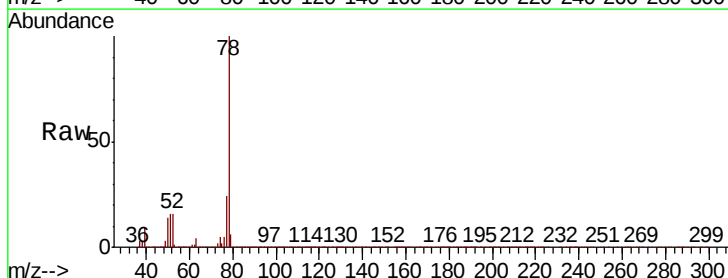
Manual Integrations
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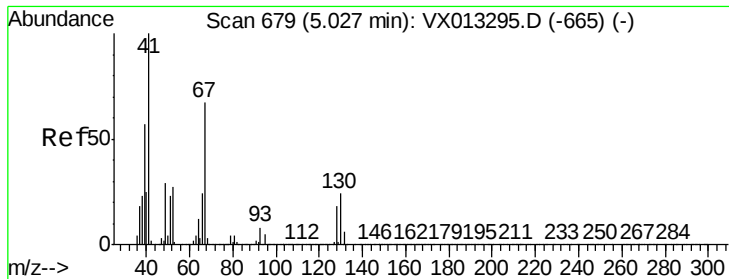
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#40
Benzene
Concen: 50.794 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX013445.D
Acq: 15 Nov 2019 14:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.5	29.3





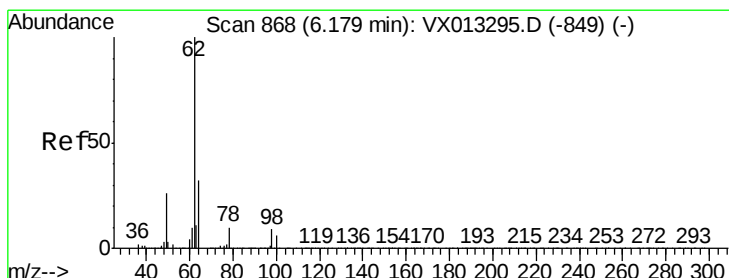
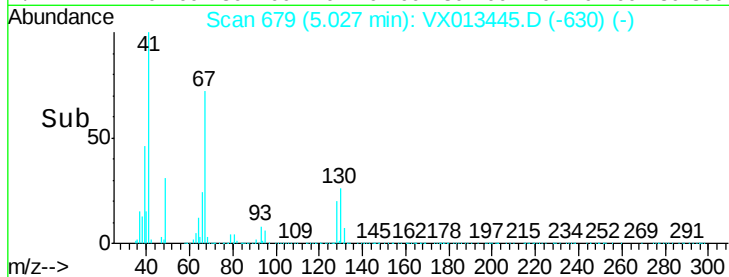
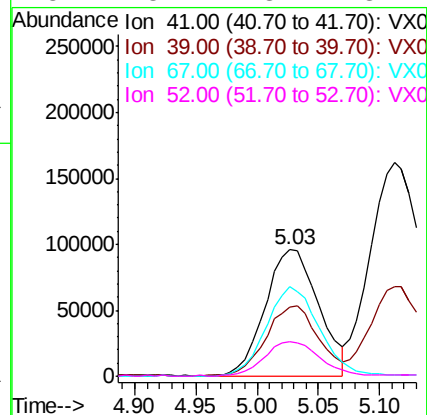
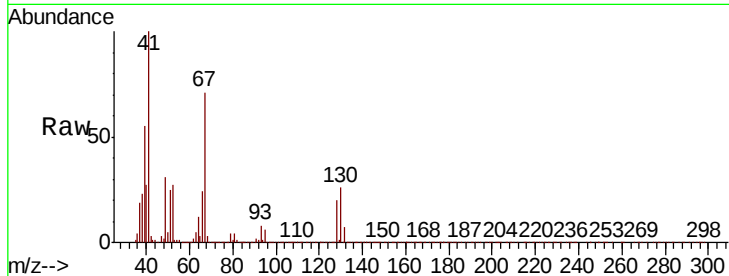
#41
Methacrylonitrile
Concen: 50.701 ug/l
RT: 5.03 min Scan# 679
Delta R.T. -0.00 min
Lab File: VX013445.D
Acq: 15 Nov 2019 14:49

Instrument :
MSVOA_X
ClientSampleId :
S36-0162MS

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.5	45.0	67.6	
67	70.5	55.4	83.2	
52	28.2	23.1	34.7	

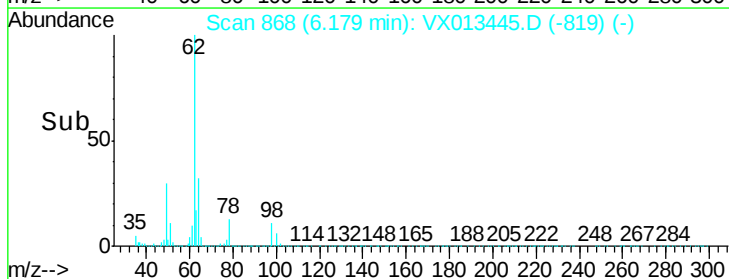
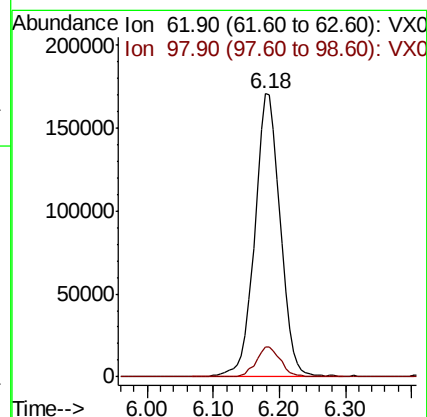
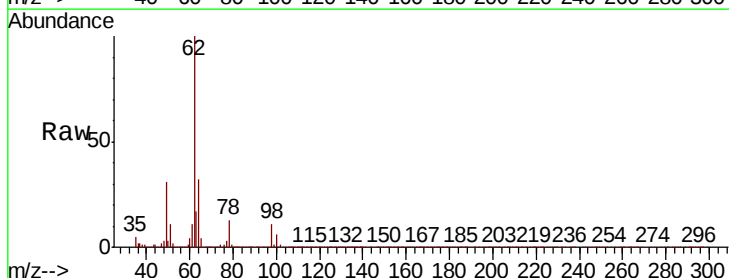
Manual Integrations
APPROVED

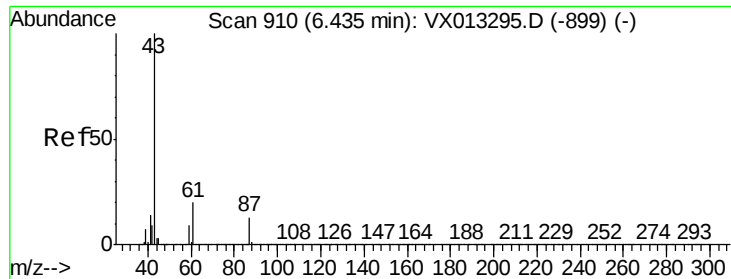
MMDadoda
11/18/2019 10:24:17 AM



#42
1,2-Dichloroethane
Concen: 49.468 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.00 min
Lab File: VX013445.D
Acq: 15 Nov 2019 14:49

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.0	0.0	19.4	





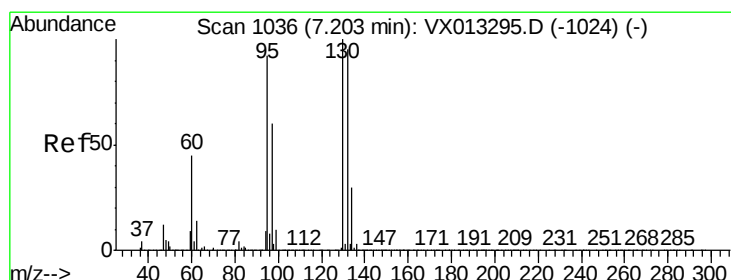
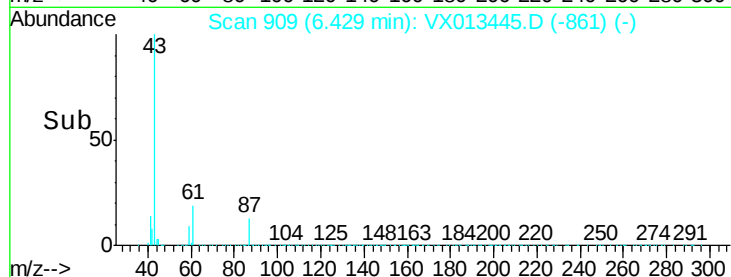
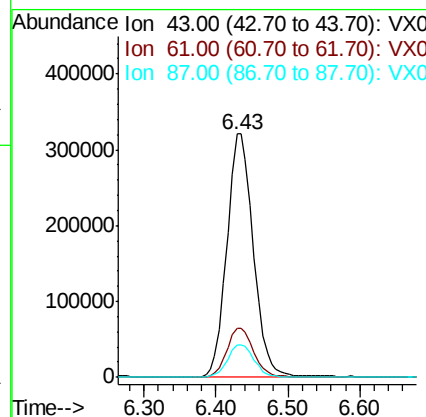
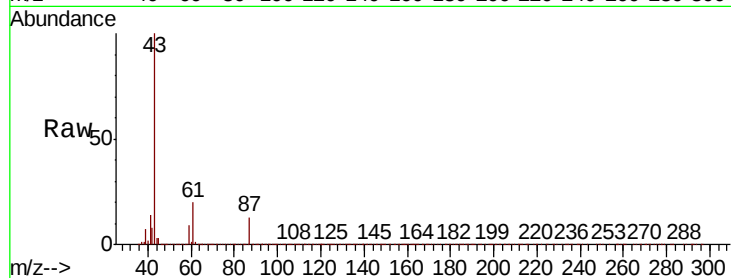
#43
Isopropyl Acetate
Concen: 51.348 ug/l
RT: 6.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: VX013445.D
Acq: 15 Nov 2019 14:49

Instrument :
MSVOA_X
ClientSampleId :
S36-0162MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.3	15.8	23.8
87	13.3	10.4	15.6

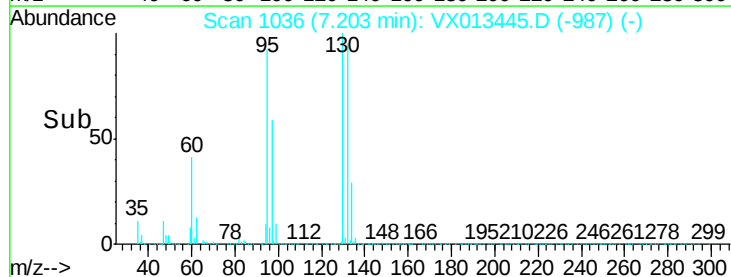
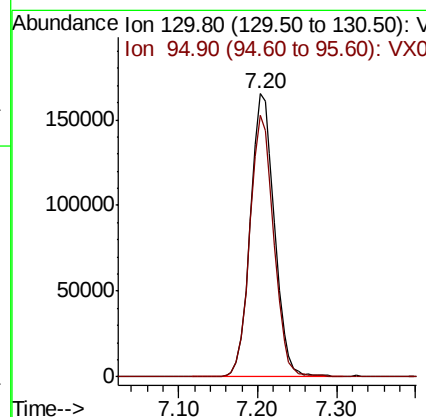
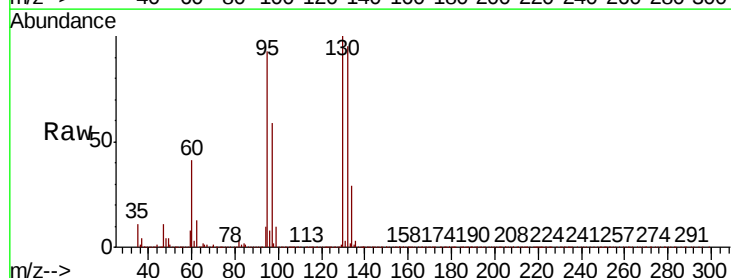
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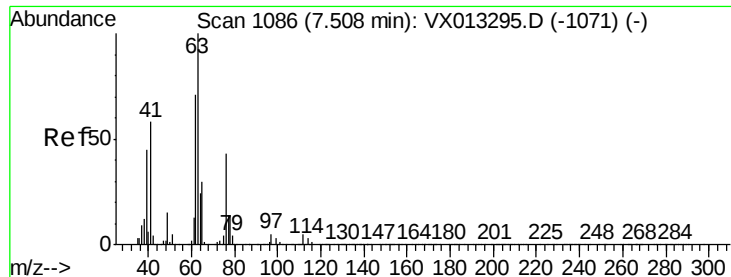
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#44
Trichloroethene
Concen: 49.368 ug/l
RT: 7.20 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VX013445.D
Acq: 15 Nov 2019 14:49

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.5	0.0	184.8





#45

1,2-Dichloropropane

Concen: 52.356 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

Instrument :

MSVOA_X

ClientSampleId :

S36-0162MS

Tot Ion: 63 Resp: 343999

Ion Ratio Lower Upper

63 100

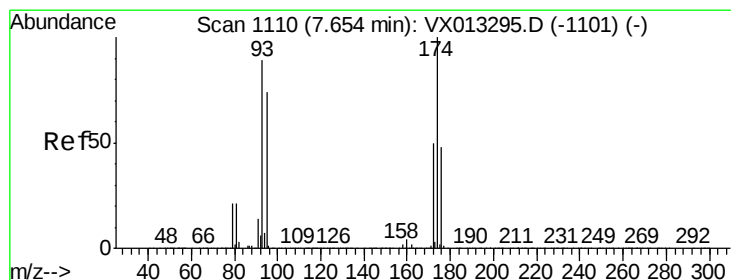
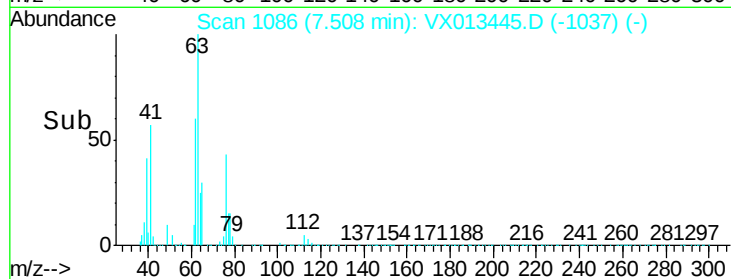
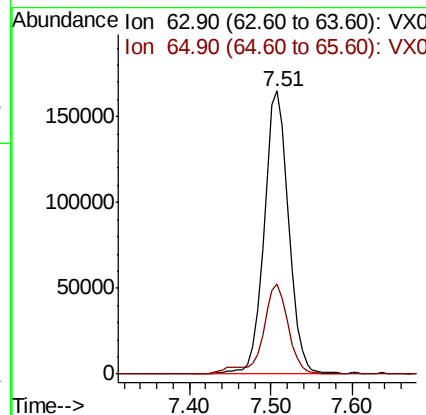
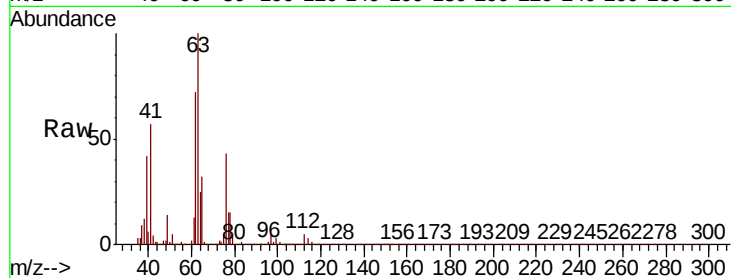
65 31.5 24.3 36.5

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#46

Dibromomethane

Concen: 50.086 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

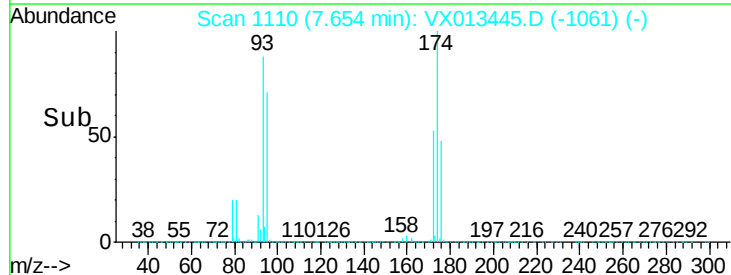
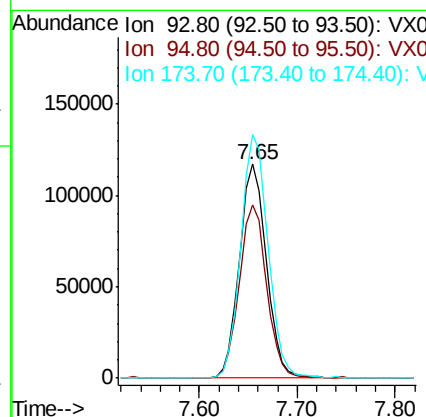
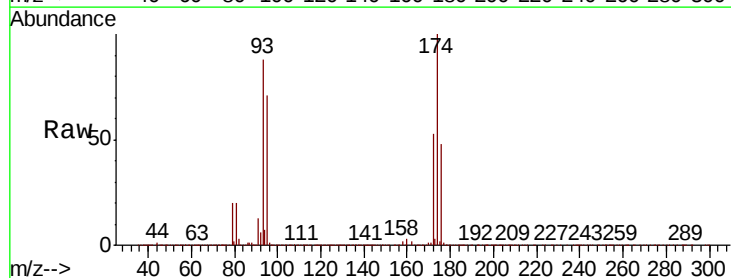
Tgt Ion: 93 Resp: 224691

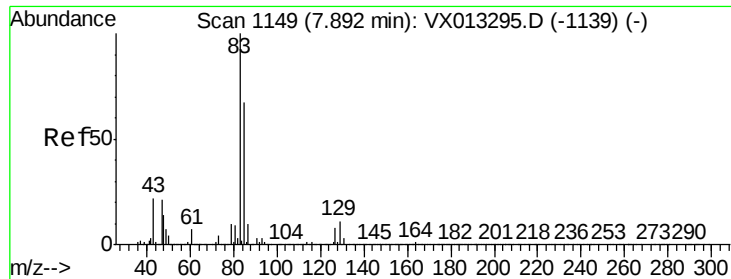
Ion Ratio Lower Upper

93 100

95 82.3 65.8 98.6

174 115.0 90.4 135.6





#47

Bromodichloromethane

Concen: 52.173 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

Instrument :

MSVOA_X

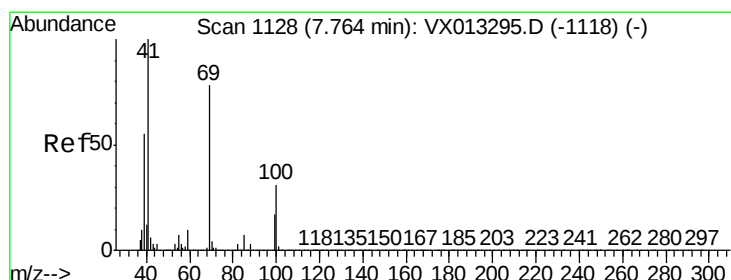
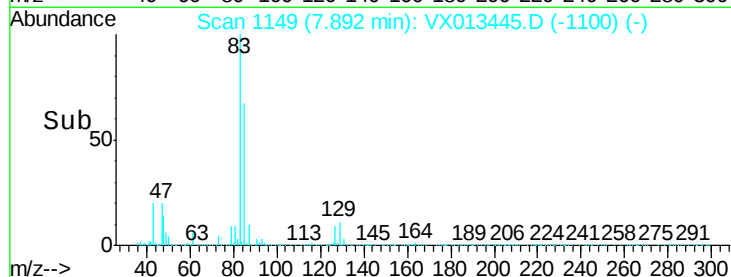
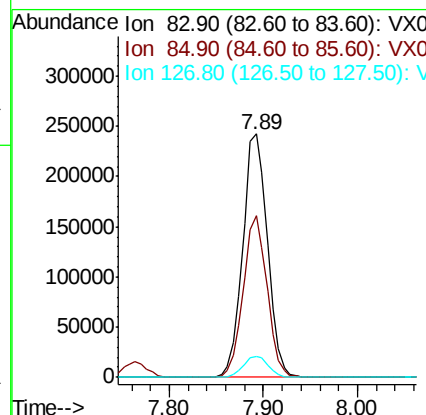
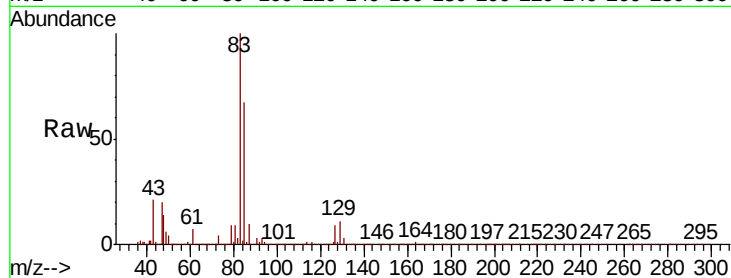
ClientSampleId :

S36-0162MS

Tot Ion:	83	Resp:	441360
Ion Ratio	Lower	Upper	
83	100		
85	66.6	53.7	80.5
127	8.6	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 52.619 ug/l

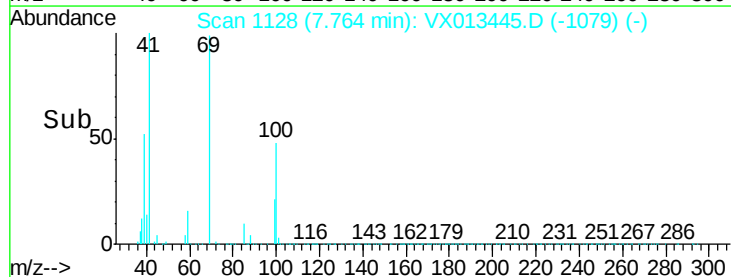
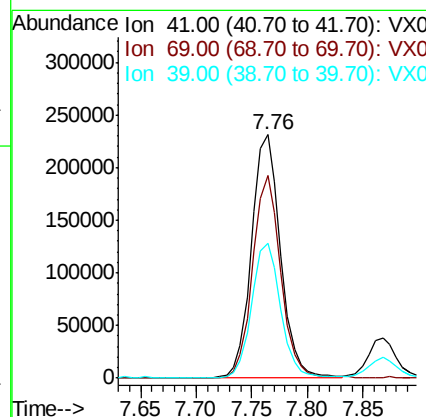
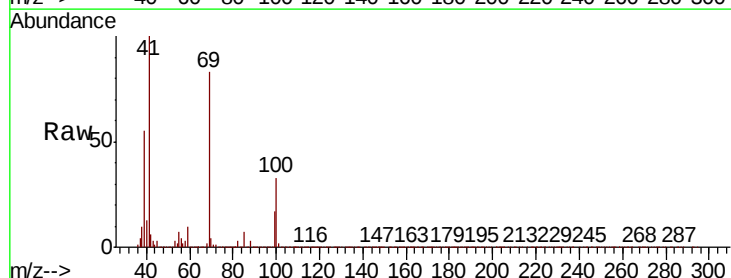
RT: 7.76 min Scan# 1128

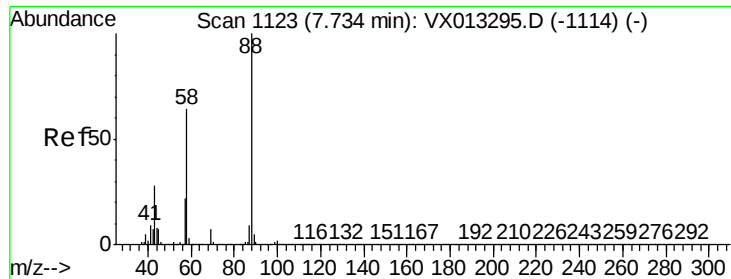
Delta R.T. -0.00 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

Tgt Ion:	41	Resp:	418394
Ion Ratio	Lower	Upper	
41	100		
69	81.2	63.0	94.6
39	55.2	45.9	68.9





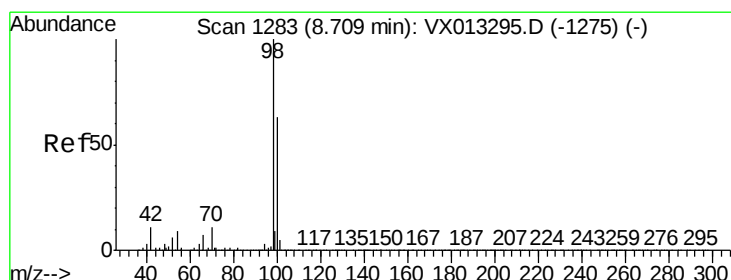
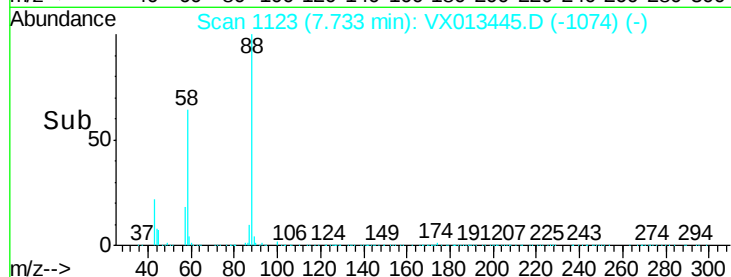
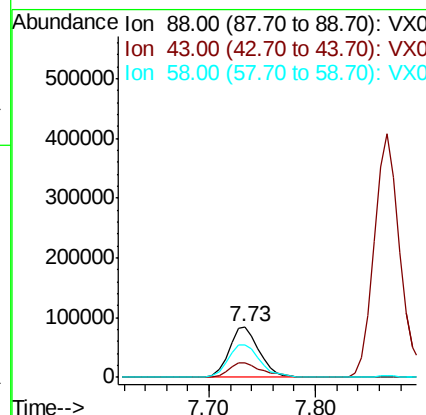
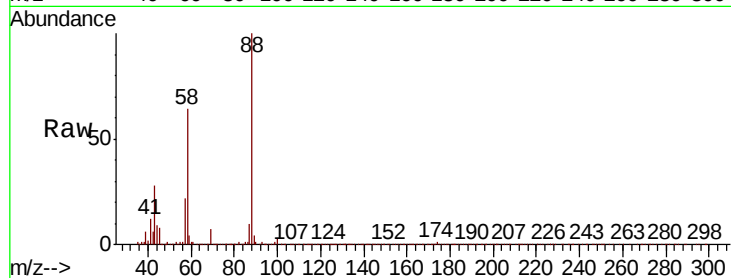
#49
1,4-Dioxane
Concen: 899.583 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VX013445.D
Acq: 15 Nov 2019 14:49

Instrument :
MSVOA_X
ClientSampleId :
S36-0162MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.7	26.6	39.8
58	70.2	55.0	82.6

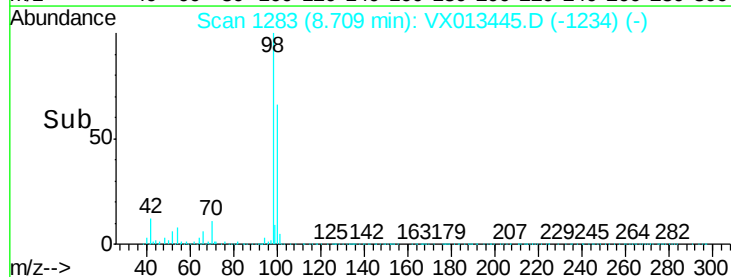
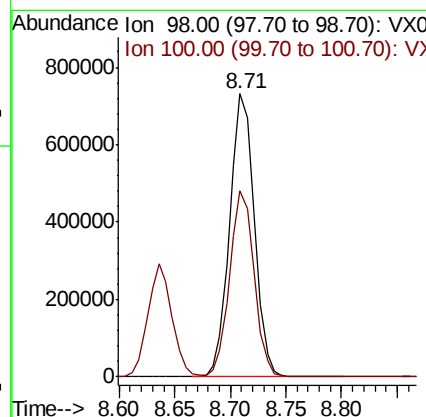
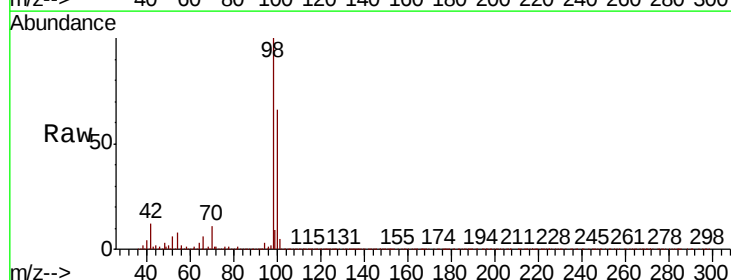
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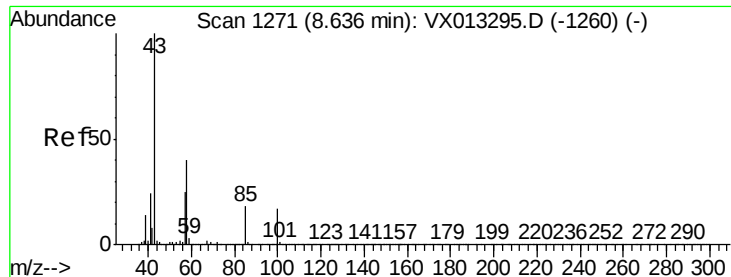
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#50
Toluene-d8
Concen: 49.119 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013445.D
Acq: 15 Nov 2019 14:49

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 255.506 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

Tot Ion: 43 Resp: 2670243

Ion Ratio Lower Upper

43 100

58 39.8 31.4 47.0

Instrument :

MSVOA_X

ClientSampleId :

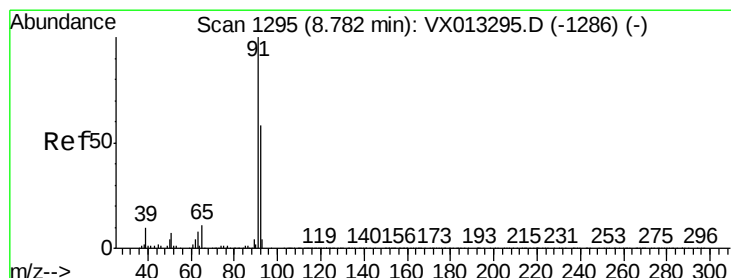
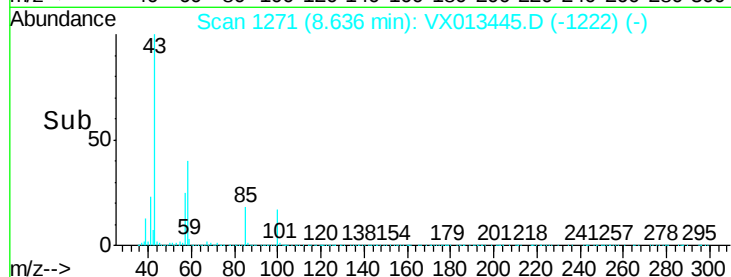
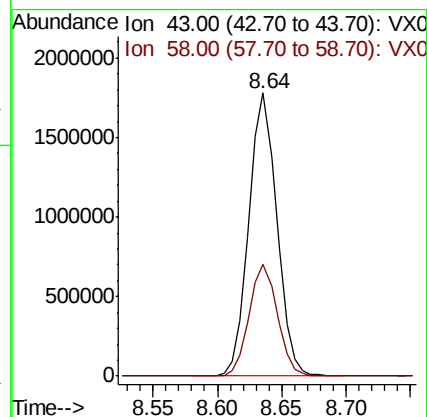
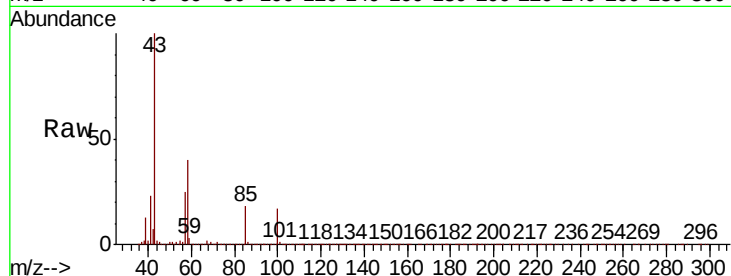
S36-0162MS

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#52

Toluene

Concen: 51.476 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VX013445.D

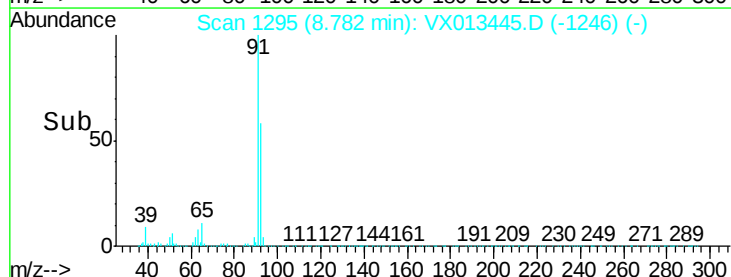
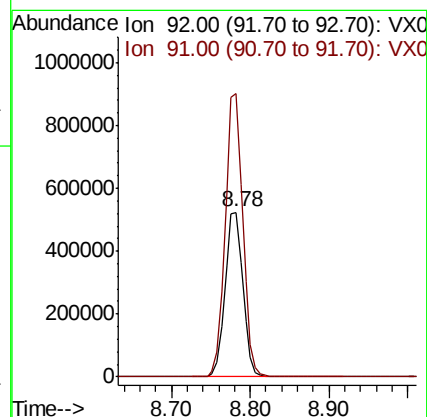
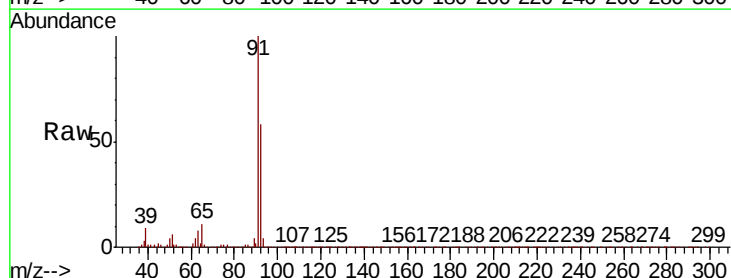
Acq: 15 Nov 2019 14:49

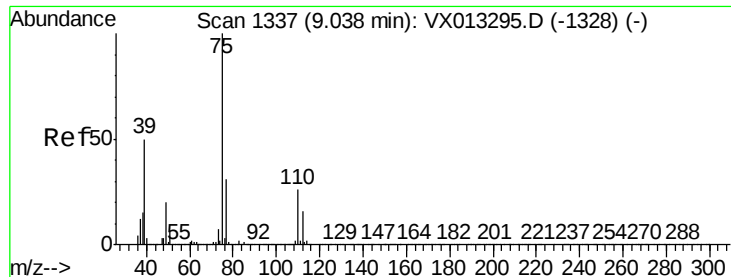
Tgt Ion: 92 Resp: 822729

Ion Ratio Lower Upper

92 100

91 170.0 138.0 207.0





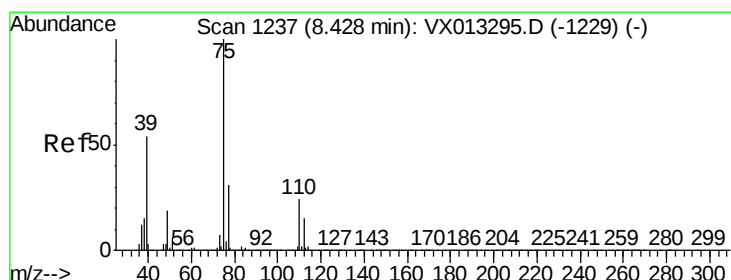
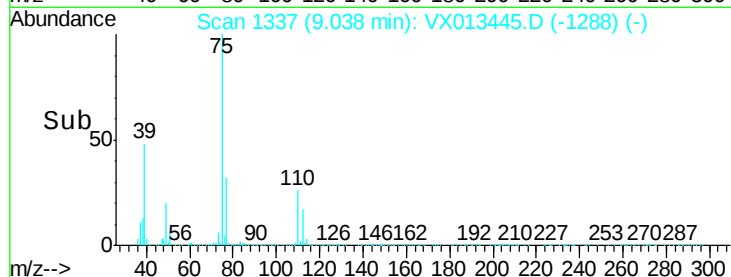
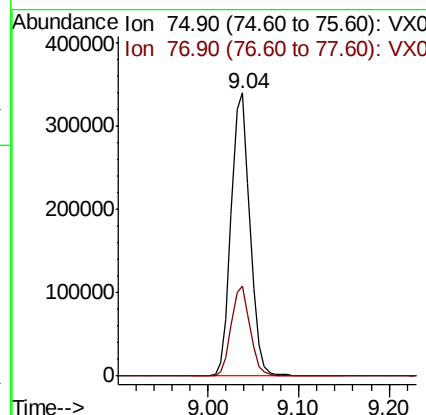
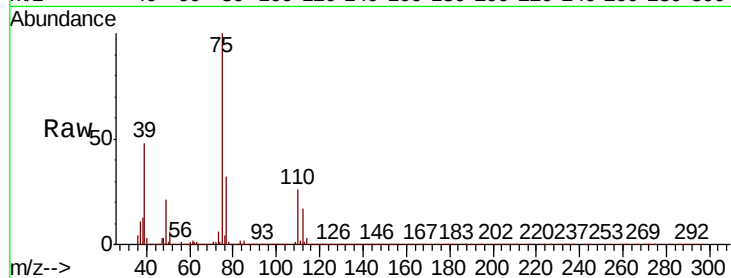
#53
t-1,3-Dichloropropene
Concen: 53.101 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VX013445.D
Acq: 15 Nov 2019 14:49

Instrument :
MSVOA_X
ClientSampleId :
S36-0162MS

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.0	37.4

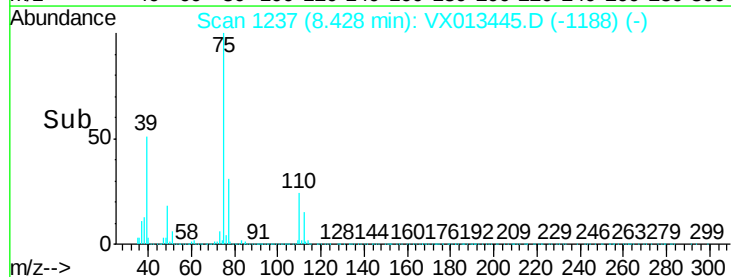
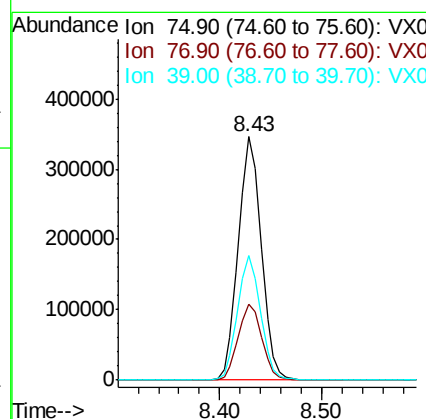
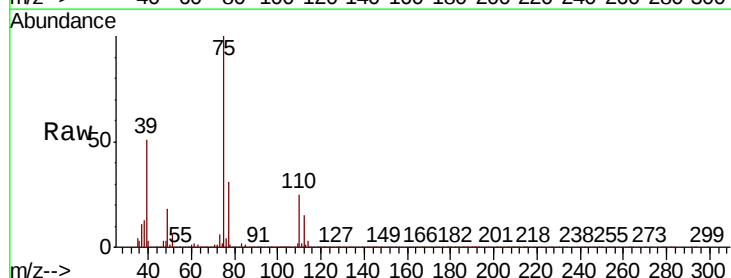
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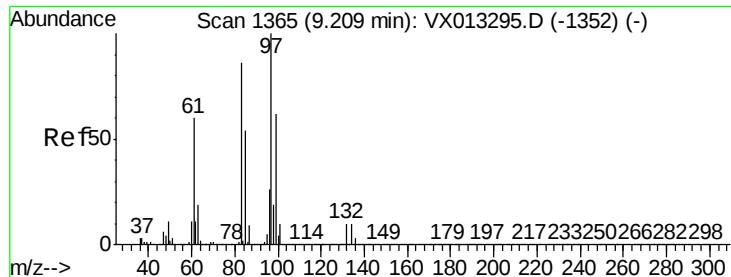
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#54
cis-1,3-Dichloropropene
Concen: 52.129 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VX013445.D
Acq: 15 Nov 2019 14:49

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.7	37.1
39	50.9	43.0	64.6





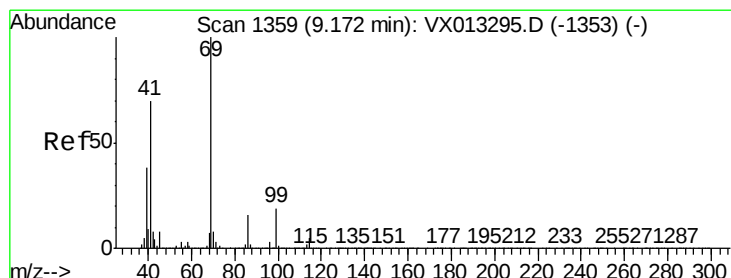
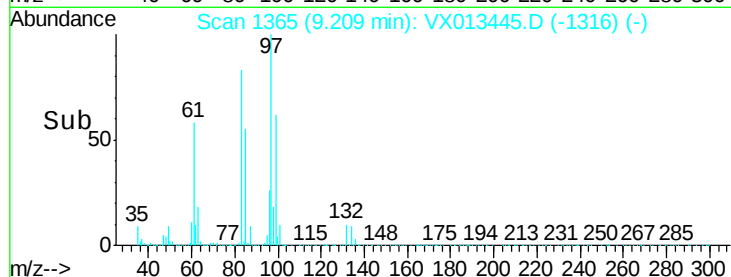
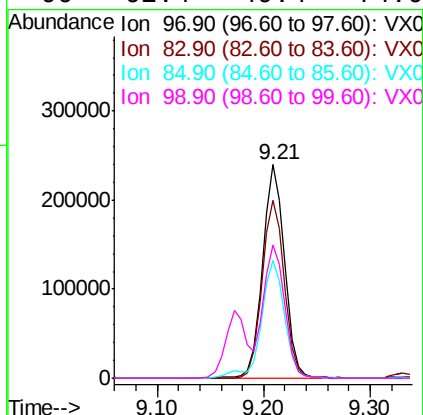
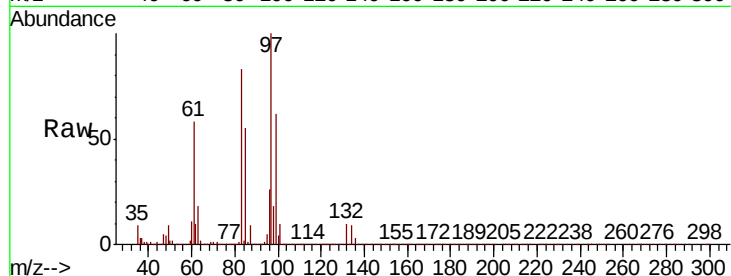
#55
 1,1,2-Trichloroethane
 Concen: 52.152 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX013445.D
 Acq: 15 Nov 2019 14:49

Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0162MS

Tot Ion:	97	Resp:	345488
Ion Ratio	Lower	Upper	
97	100		
83	83.3	68.6	103.0
85	54.9	43.1	64.7
99	62.4	49.4	74.0

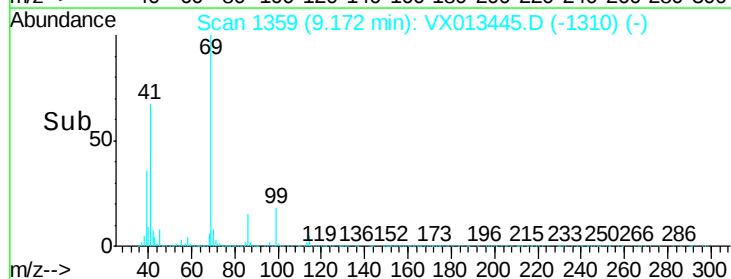
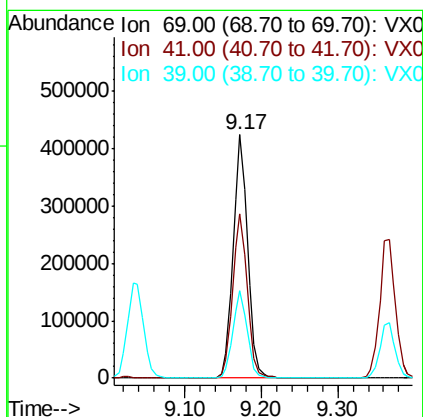
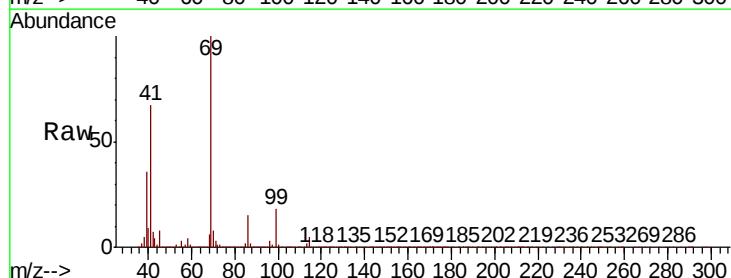
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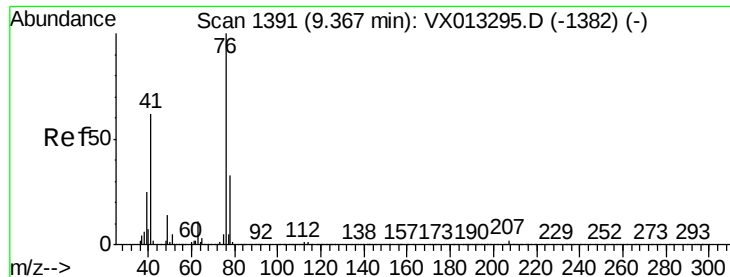
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#56
 Ethyl methacrylate
 Concen: 49.362 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX013445.D
 Acq: 15 Nov 2019 14:49

Tgt Ion:	69	Resp:	558035
Ion Ratio	Lower	Upper	
69	100		
41	67.7	56.2	84.2
39	35.4	31.1	46.7





#57

1,3-Dichloropropane

Concen: 51.464 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

Instrument :

MSVOA_X

ClientSampleId :

S36-0162MS

Tot Ion: 76 Resp: 578746

Ion Ratio Lower Upper

76 100

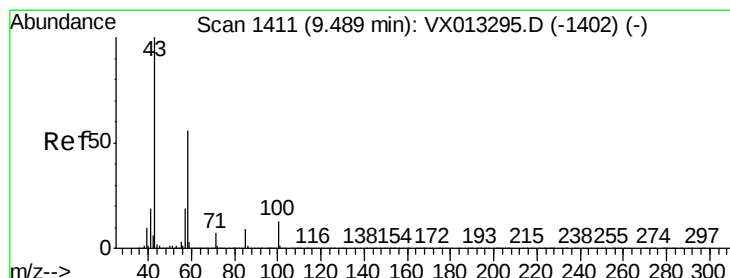
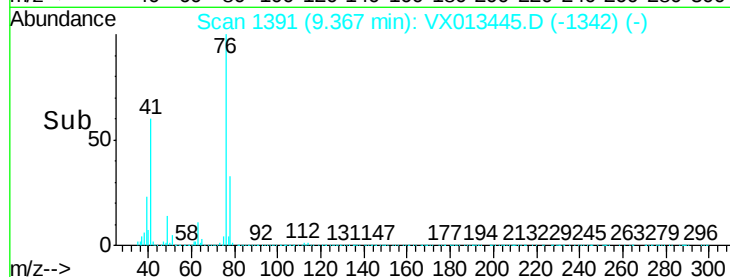
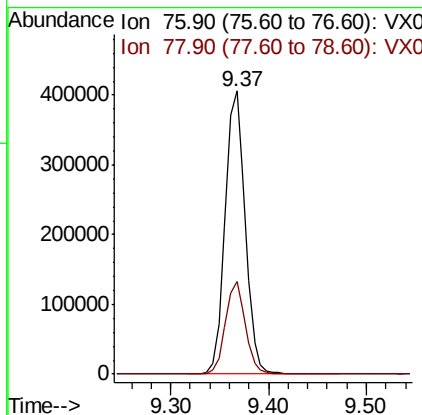
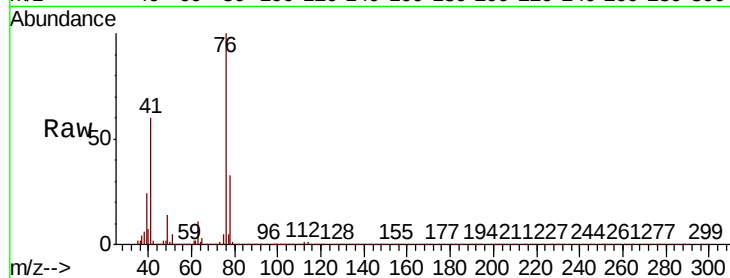
78 32.1 25.8 38.6

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#59

2-Hexanone

Concen: 253.223 ug/l

RT: 9.49 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VX013445.D

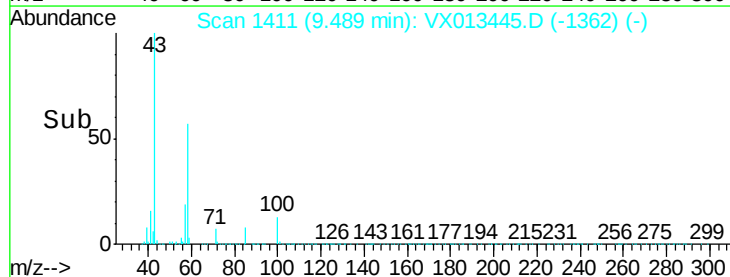
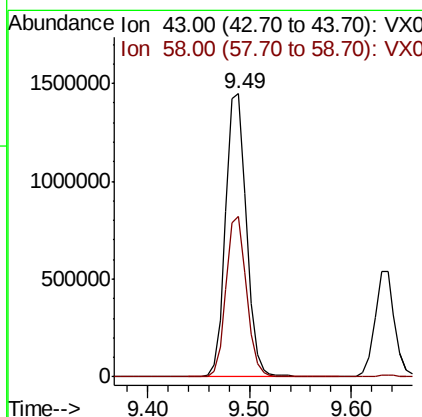
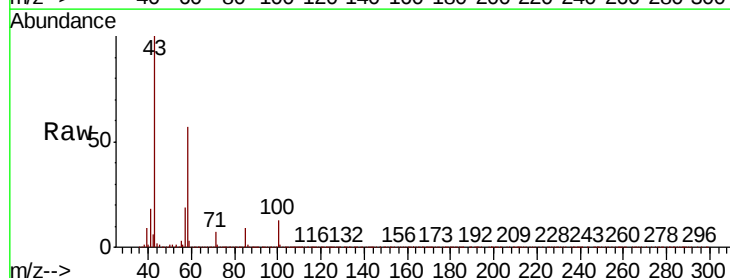
Acq: 15 Nov 2019 14:49

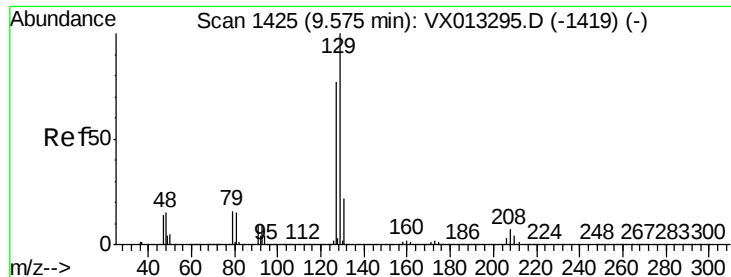
Tgt Ion: 43 Resp: 2045065

Ion Ratio Lower Upper

43 100

58 55.7 27.3 81.8





#60

Dibromochloromethane

Concen: 53.161 ug/l

RT: 9.58 min Scan# 1426

Delta R.T. 0.01 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

Instrument :

MSVOA_X

ClientSampleId :

S36-0162MS

Tot Ion:129 Resp: 360176

Ion Ratio Lower Upper

129 100

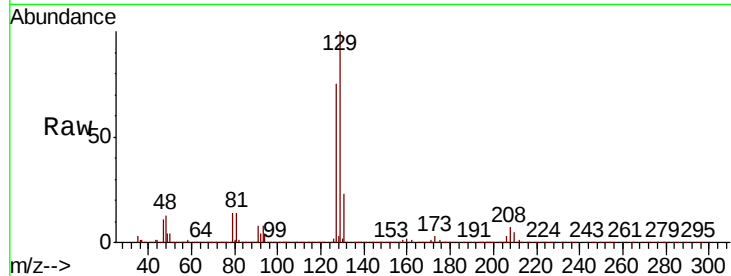
127 77.6 39.1 117.2

Manual Integrations

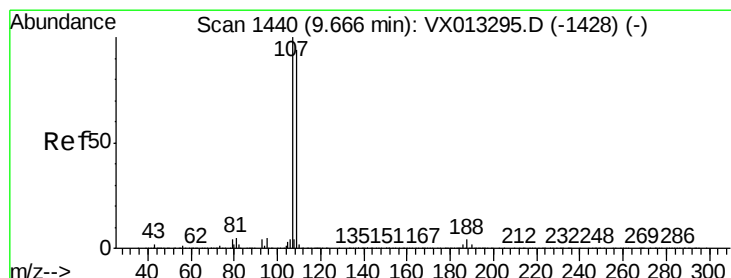
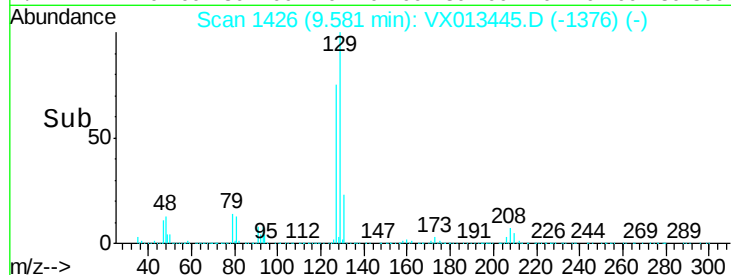
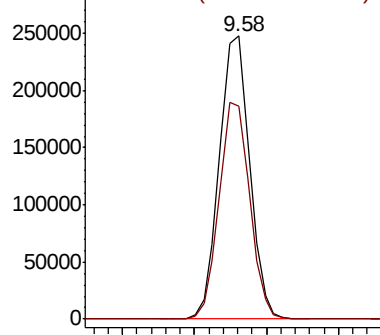
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Abundance Ion 128.80 (128.50 to 129.50): V



#61

1,2-Dibromoethane

Concen: 51.591 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX013445.D

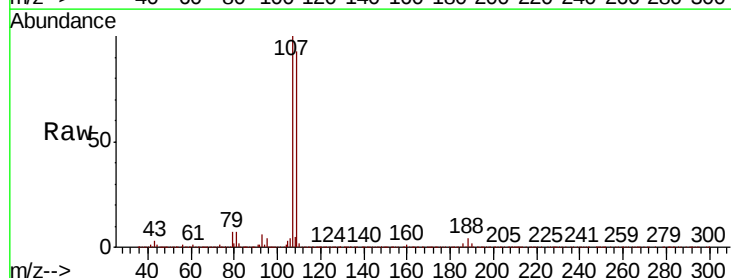
Acq: 15 Nov 2019 14:49

Tgt Ion:107 Resp: 362921

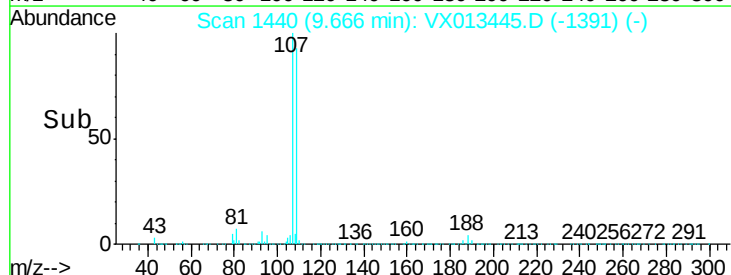
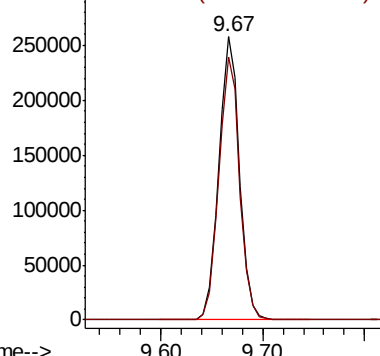
Ion Ratio Lower Upper

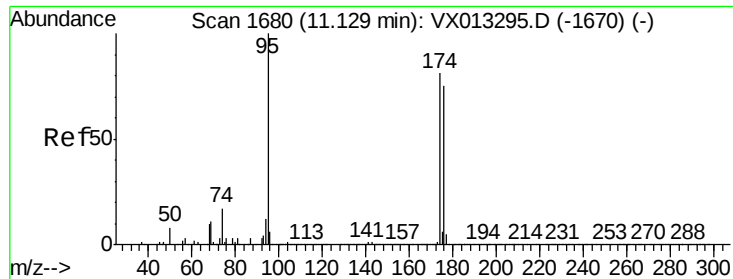
107 100

109 93.3 75.1 112.7



Abundance Ion 106.90 (106.60 to 107.60): V





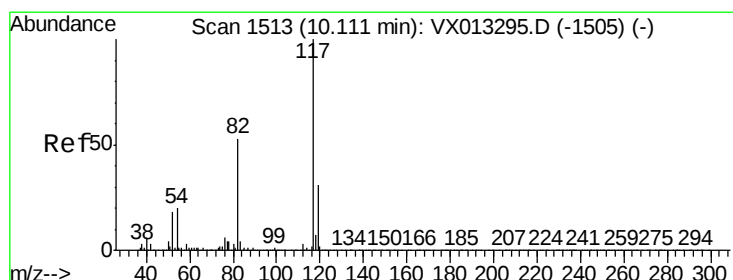
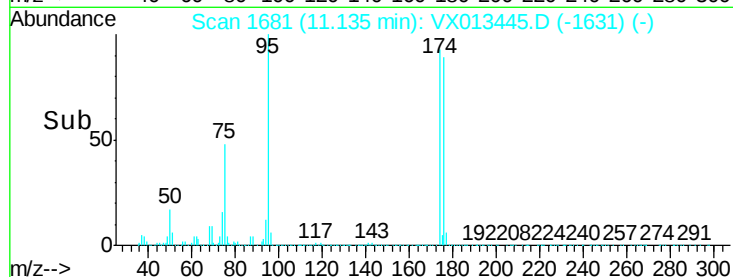
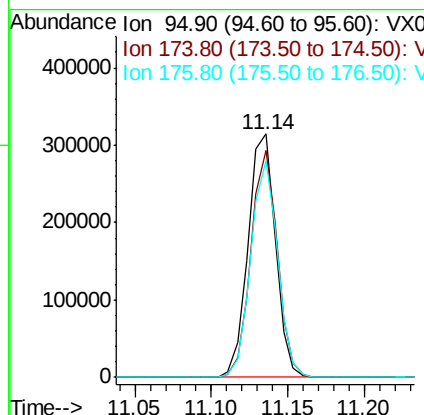
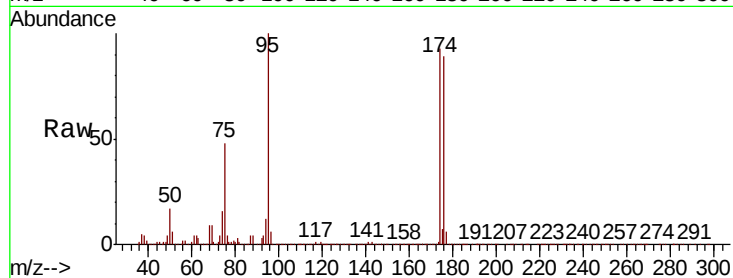
#62
4-Bromofluorobenzene
Concen: 47.689 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX013445.D
Acq: 15 Nov 2019 14:49

Instrument :
MSVOA_X
ClientSampleId :
S36-0162MS

Tot Ion	Ratio	Resp	Lower	Upper
95	100	392720		
174	90.0	0.0	179.8	
176	86.9	0.0	173.0	

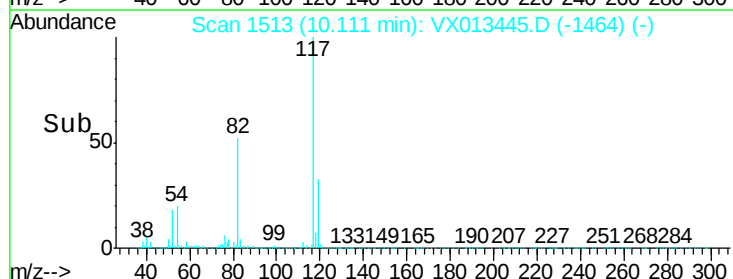
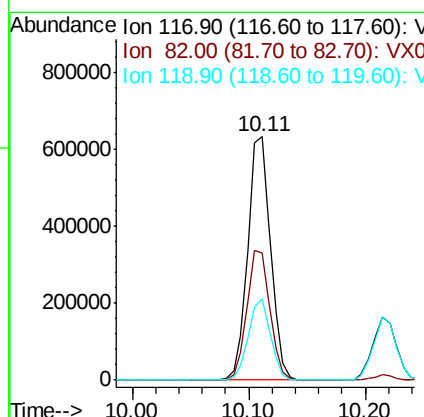
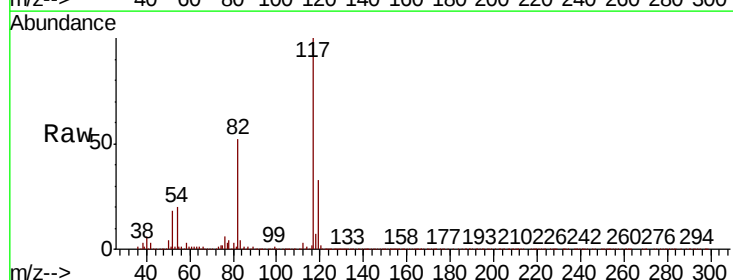
Manual Integrations
APPROVED

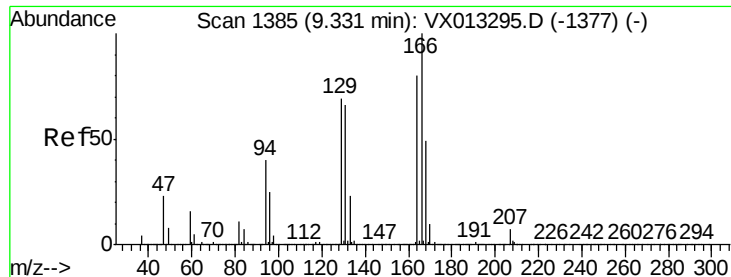
MMDadoda
11/18/2019 10:24:17 AM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013445.D
Acq: 15 Nov 2019 14:49

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	869589		
82	51.9	42.6	64.0	
119	33.1	24.8	37.2	





#64

Tetrachloroethene

Concen: 47.211 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

Instrument :

MSVOA_X

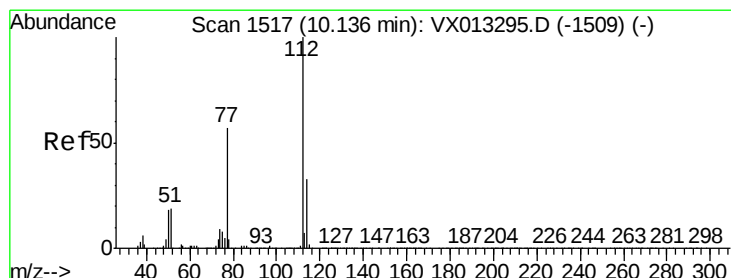
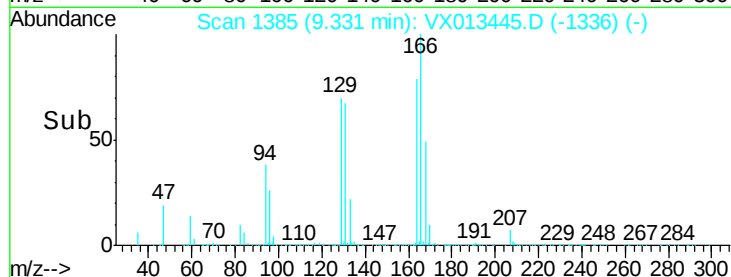
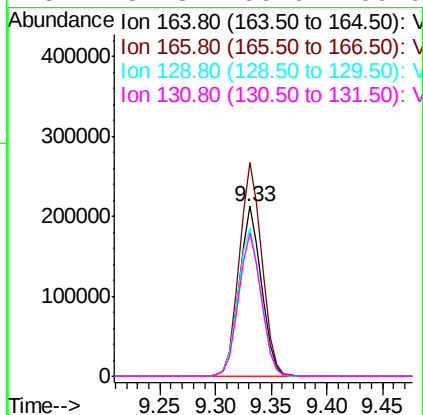
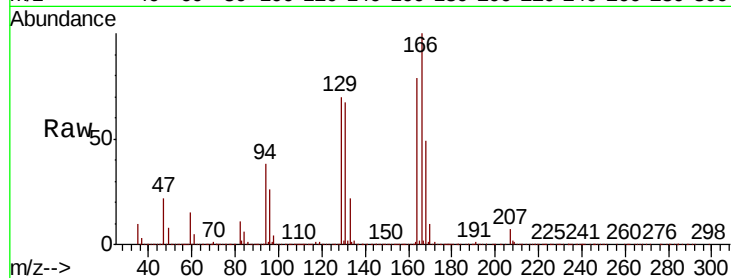
ClientSampleId :

S36-0162MS

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
166	125.9	100.4	150.6	
129	87.4	69.4	104.2	
131	84.3	66.6	100.0	

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#65

Chlorobenzene

Concen: 50.260 ug/l

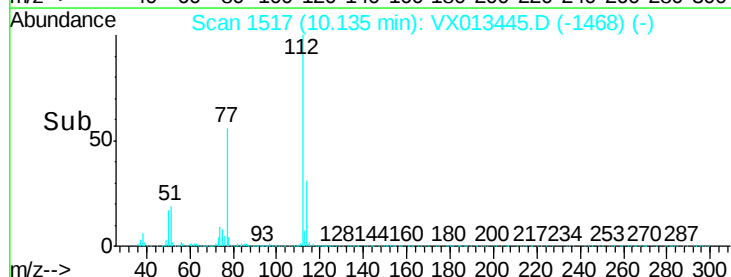
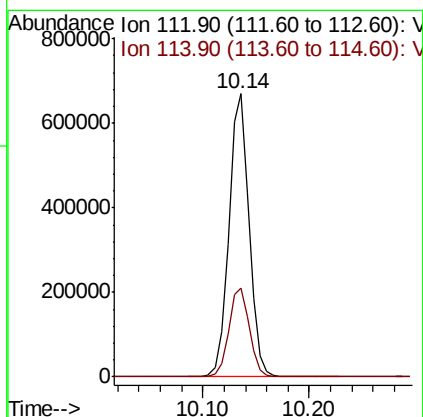
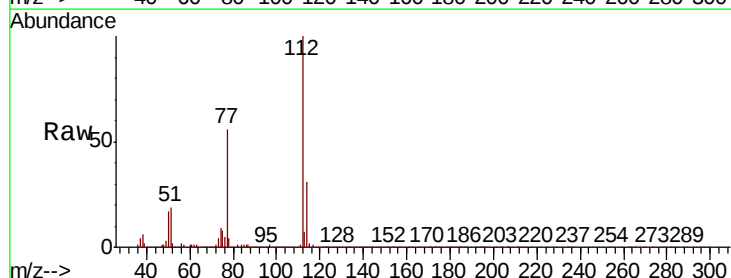
RT: 10.14 min Scan# 1517

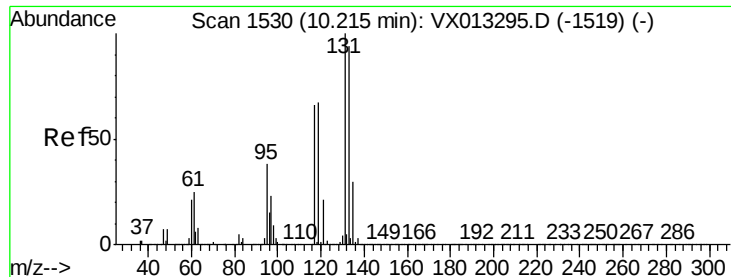
Delta R.T. -0.00 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

Tgt Ion	Ratio	Resp	Lower	Upper
112	100			
114	31.4	26.4	39.6	





#66

1,1,1,2-Tetrachloroethane

Concen: 52.006 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

Instrument :

MSVOA_X

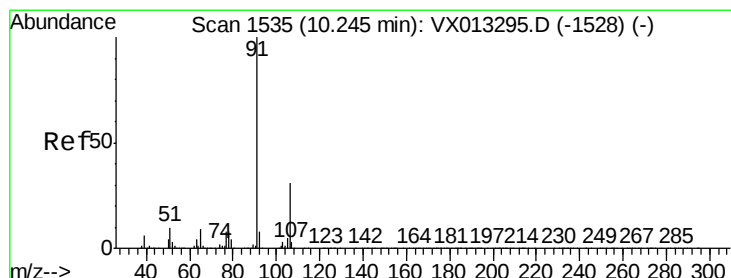
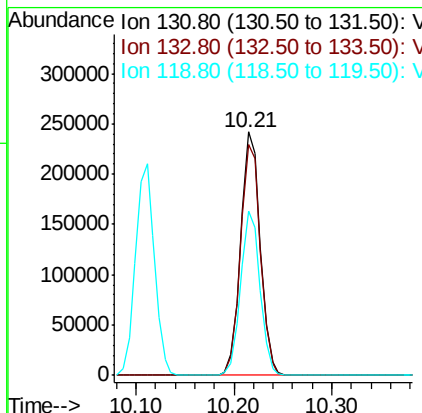
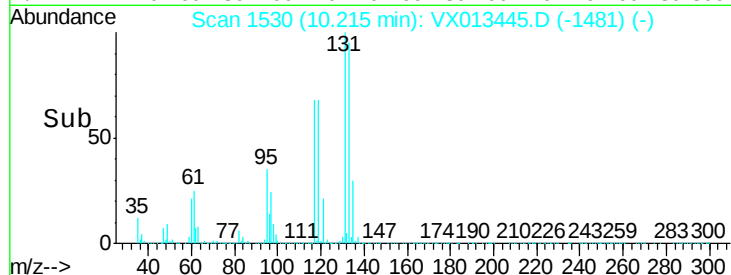
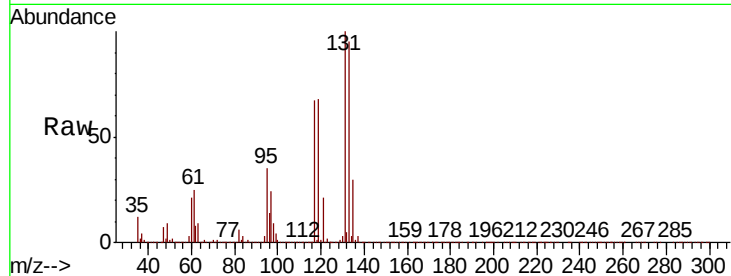
ClientSampleId :

S36-0162MS

Tot Ion:	131	Resp:	336174
Ion Ratio	Lower	Upper	
131	100		
133	96.2	48.0	144.0
119	66.4	33.0	99.0

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#67

Ethyl Benzene

Concen: 51.203 ug/l

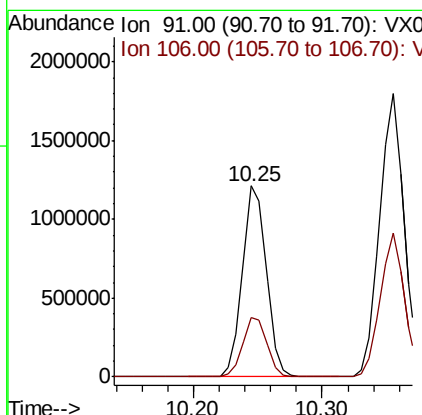
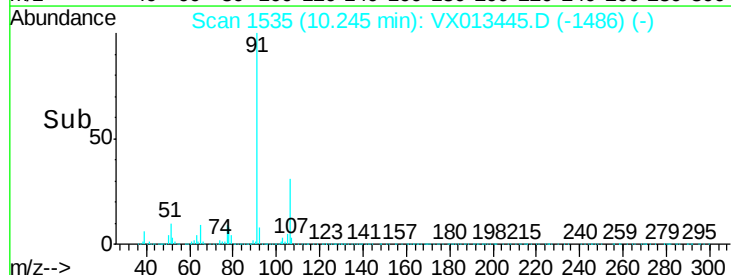
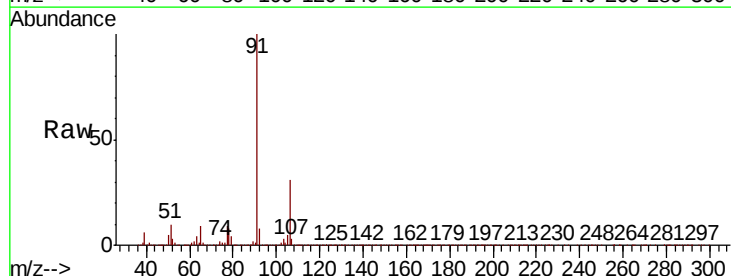
RT: 10.25 min Scan# 1535

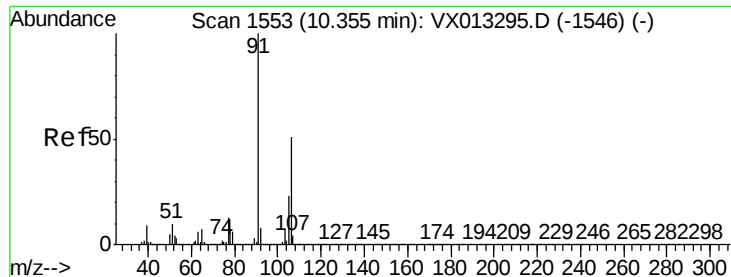
Delta R.T. -0.00 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

Tgt Ion:	91	Resp:	1555800
Ion Ratio	Lower	Upper	
91	100		
106	31.0	24.6	36.8





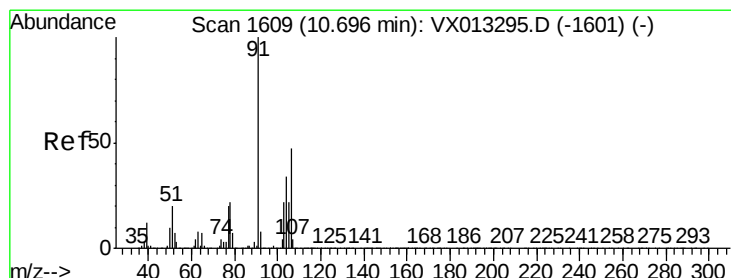
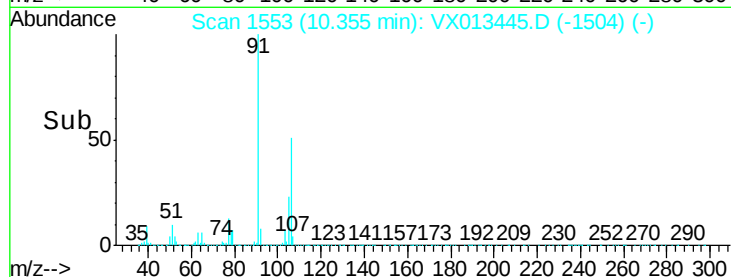
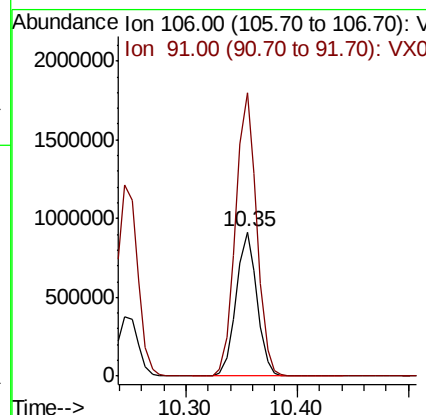
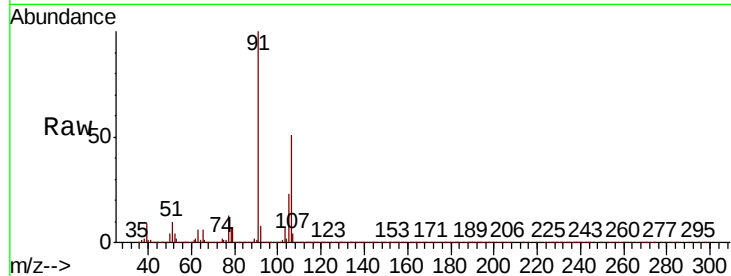
#68
m/p-Xylenes
Concen: 103.096 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX013445.D
Acq: 15 Nov 2019 14:49

Instrument :
MSVOA_X
ClientSampleId :
S36-0162MS

Tot Ion:106 Resp: 1184704
Ion Ratio Lower Upper
106 100
91 198.6 159.3 238.9

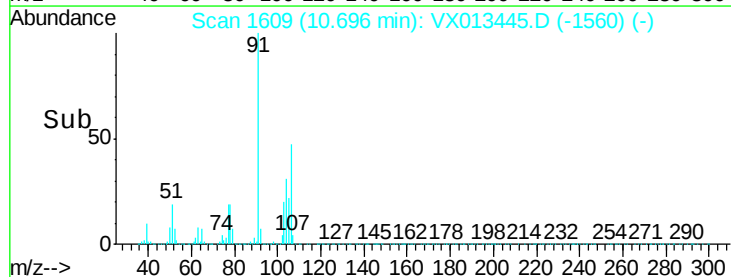
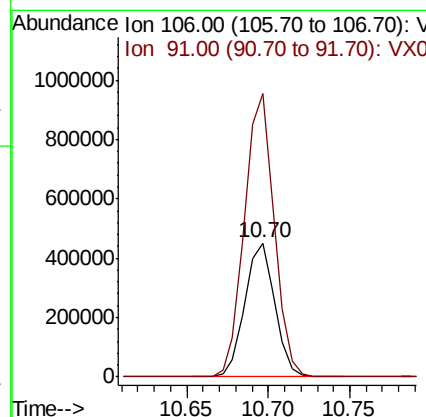
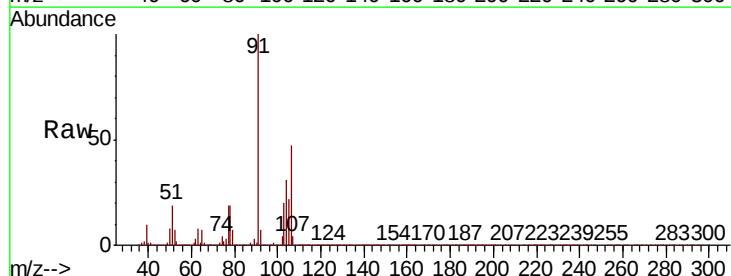
Manual Integrations
APPROVED

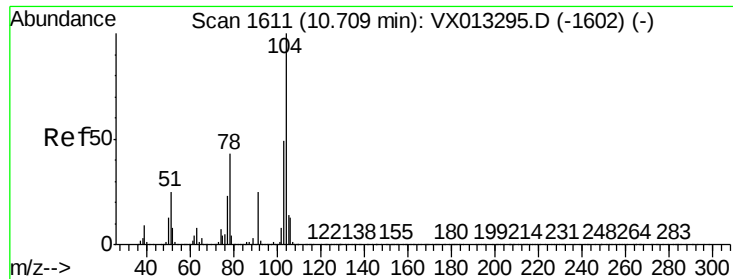
MMDadoda
11/18/2019 10:24:17 AM



#69
o-Xylene
Concen: 51.322 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX013445.D
Acq: 15 Nov 2019 14:49

Tgt Ion:106 Resp: 577391
Ion Ratio Lower Upper
106 100
91 210.4 105.7 317.0





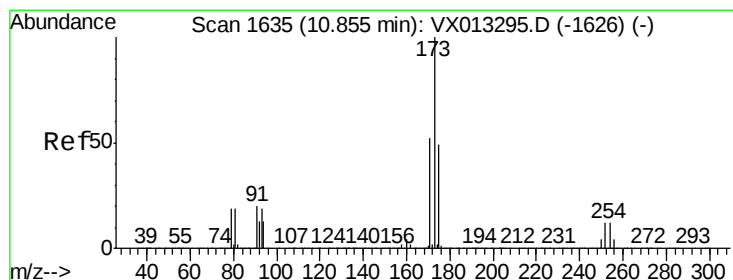
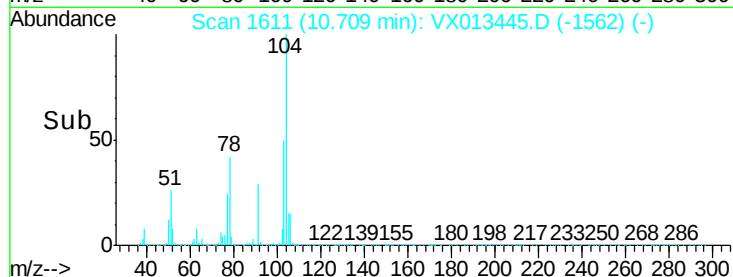
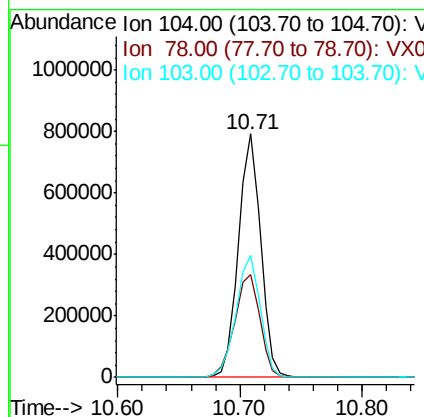
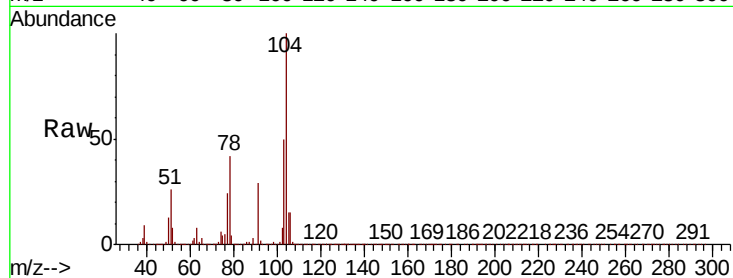
#70
Stvrene
Concen: 52.756 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX013445.D
Acq: 15 Nov 2019 14:49

Instrument :
MSVOA_X
ClientSampleId :
S36-0162MS

Tot Ion:	104	Resp:	992143
Ion Ratio	Lower	Upper	
104	100		
78	48.5	40.0	60.0
103	54.8	44.1	66.1

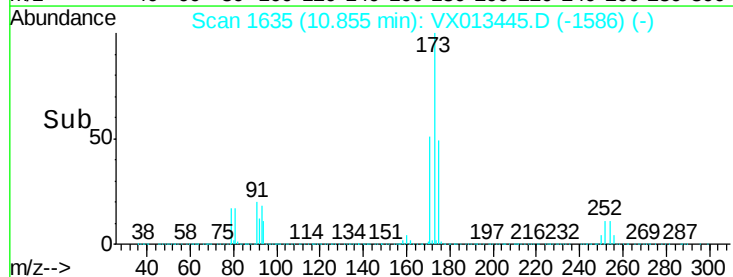
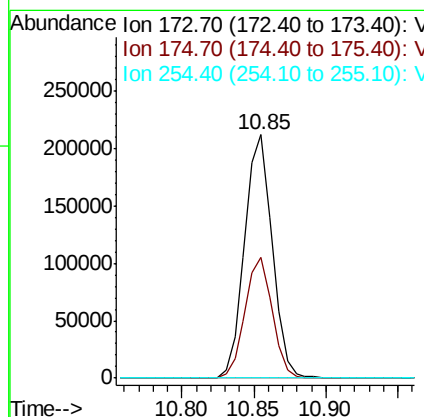
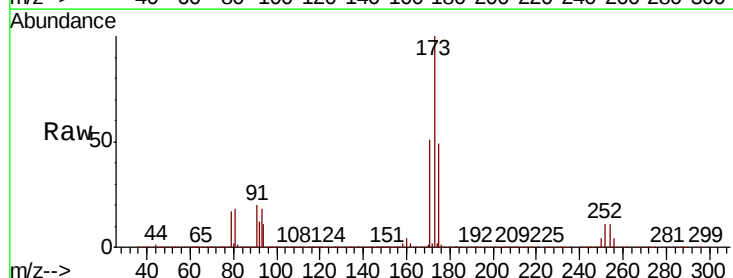
Manual Integrations
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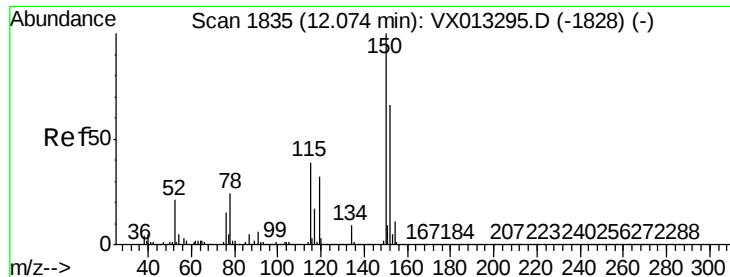
MMDadoda
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#71
Bromoform
Concen: 47.149 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX013445.D
Acq: 15 Nov 2019 14:49

Tgt Ion:	173	Resp:	281419
Ion Ratio	Lower	Upper	
173	100		
175	49.1	24.8	74.4
254	0.2	0.2	0.2#





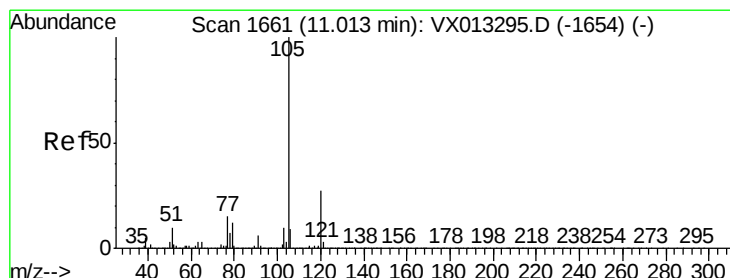
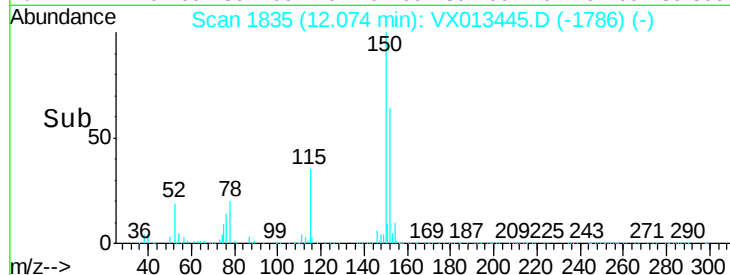
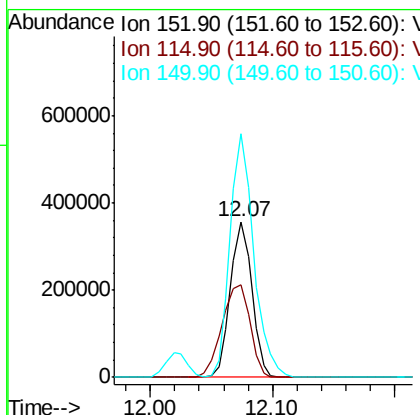
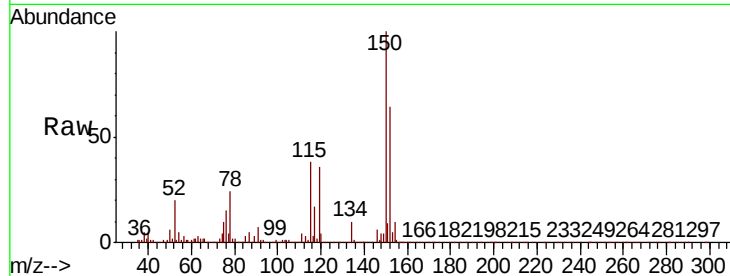
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX013445.D
 Acq: 15 Nov 2019 14:49

Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0162MS

Tot Ion	Ratio	Lower	Upper
152	100		
115	77.9	39.5	118.3
150	172.1	0.0	344.4

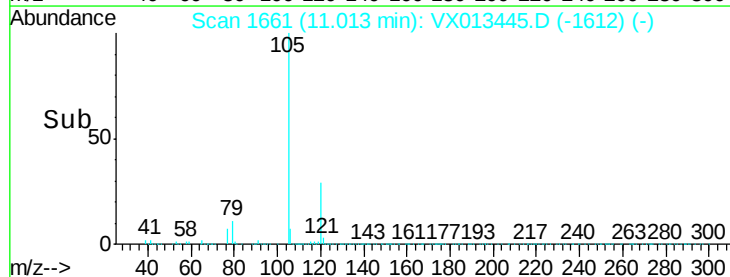
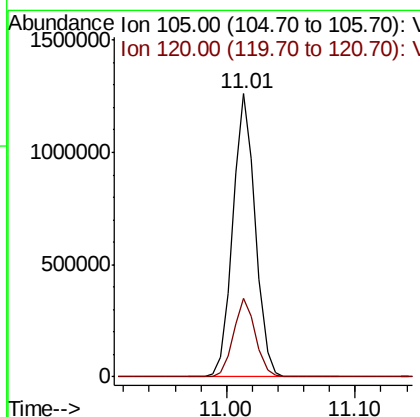
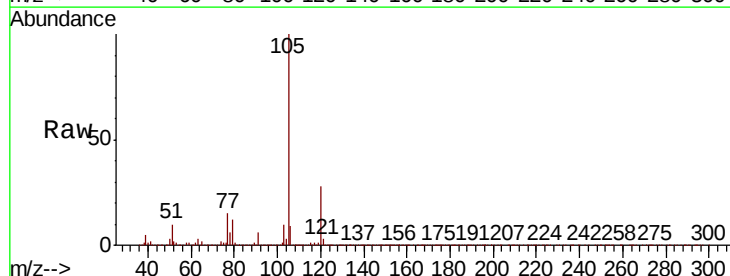
Manual Integrations
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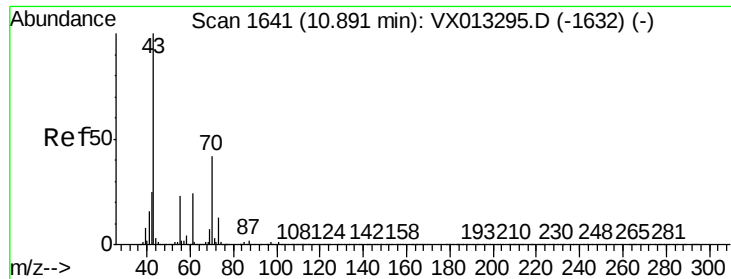
MMDadoda
 11/18/2019 10:24:17 AM



#73
 Isopropylbenzene
 Concen: 53.320 ug/l
 RT: 11.01 min Scan# 1661
 Delta R.T. -0.00 min
 Lab File: VX013445.D
 Acq: 15 Nov 2019 14:49

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.2	13.5	40.5





#74

N-amvl acetate

Concen: 54.446 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

Instrument :

MSVOA_X

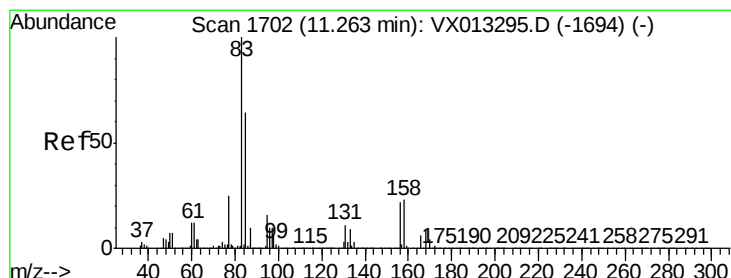
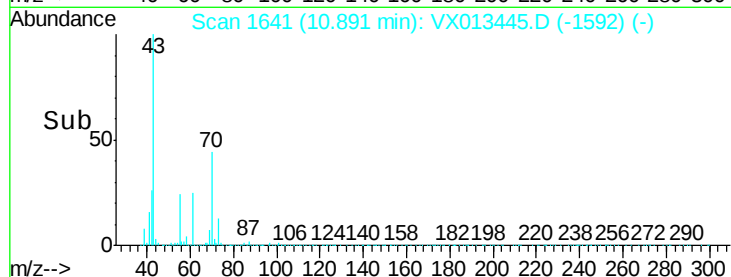
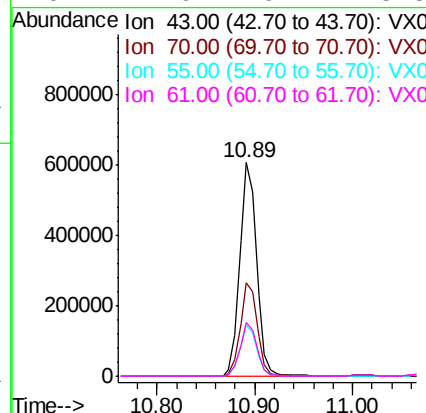
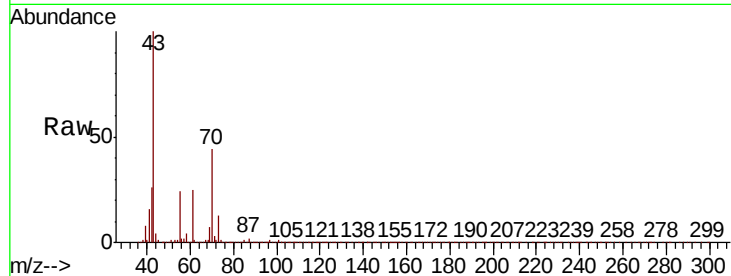
ClientSampleId :

S36-0162MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		726011		
70	43.8	34.1	51.1		
55	24.4	18.9	28.3		
61	24.9	19.2	28.8		

Manual Integrations
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#75

1,1,2,2-Tetrachloroethane

Concen: 53.750 ug/l

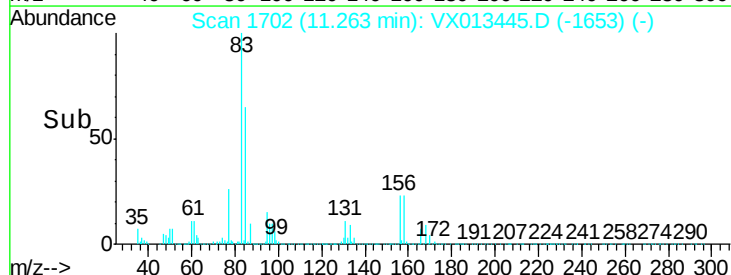
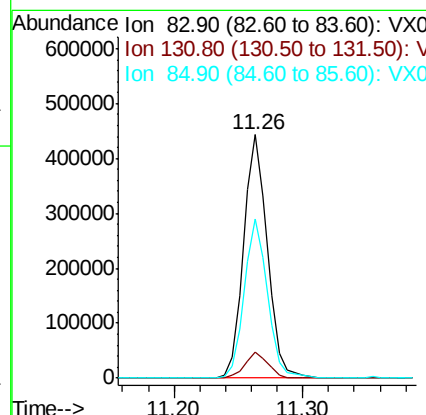
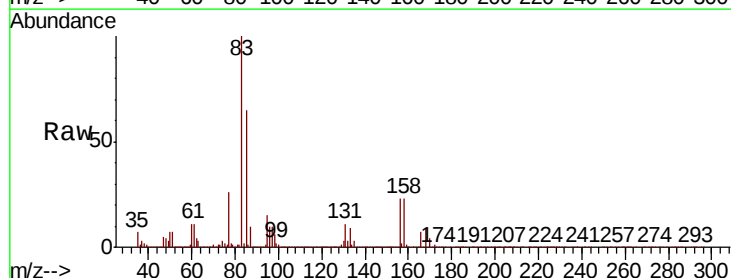
RT: 11.26 min Scan# 1702

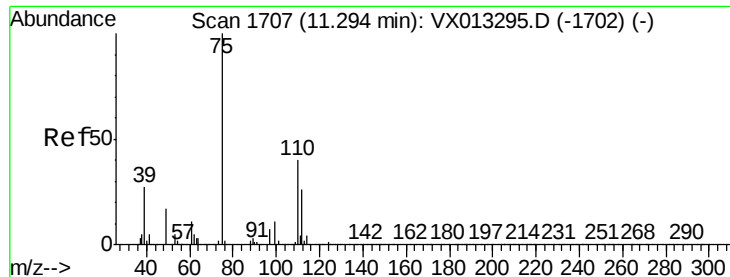
Delta R.T. -0.00 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		563861		
131	10.1	5.1	15.3		
85	64.3	32.3	96.8		





#76

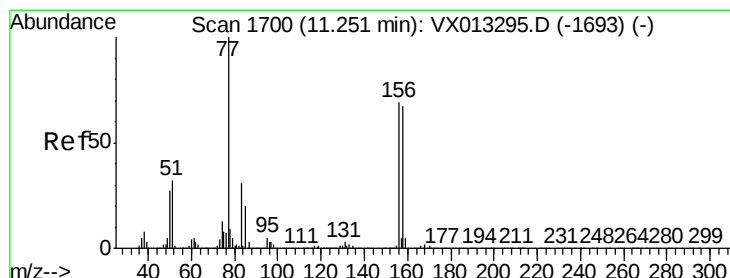
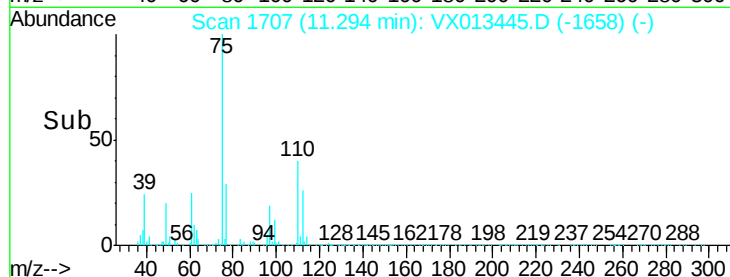
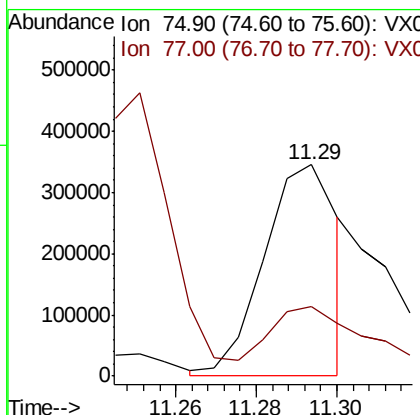
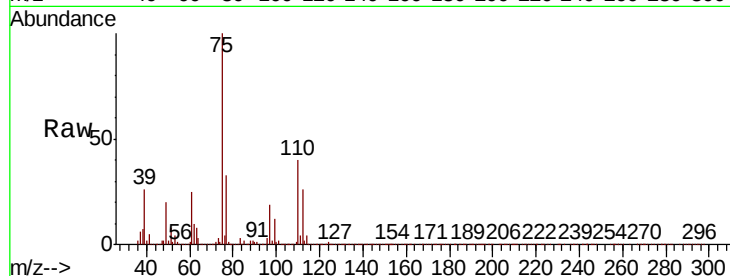
1,2,3-Trichloropropane
Concen: 49.427 ug/l m
RT: 11.29 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VX013445.D
Acq: 15 Nov 2019 14:49

Instrument :
MSVOA_X
ClientSampleId :
S36-0162MS

Tot Ion: 75 Resp: 435412
Ion Ratio Lower Upper
75 100
77 45.3 22.3 66.8

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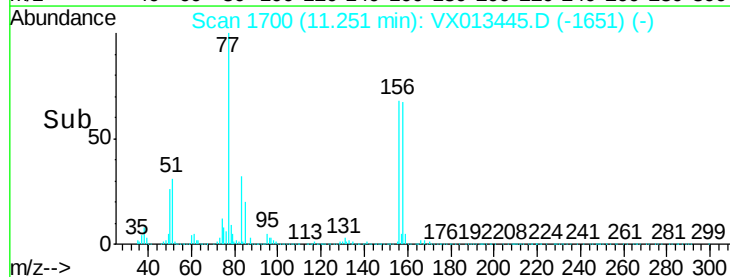
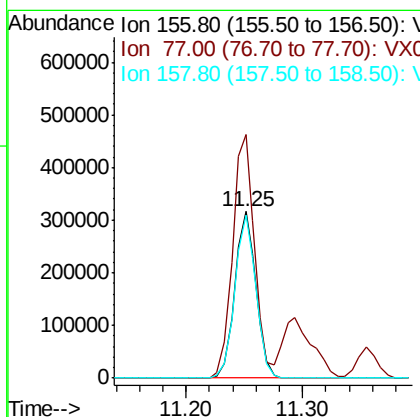
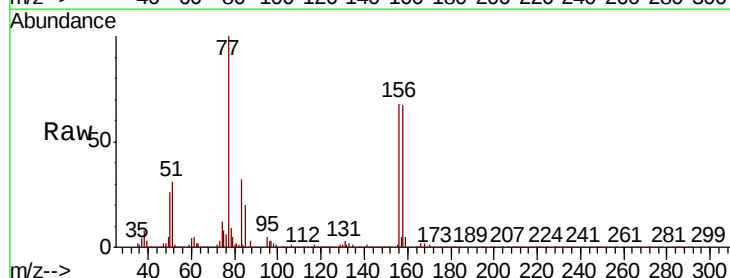
MMDadoda
11/18/2019 10:24:17 AM

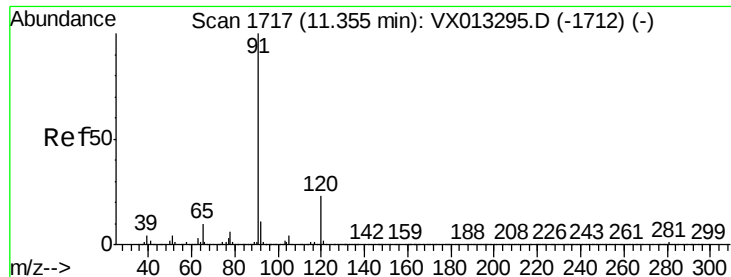


#77

Bromobenzene
Concen: 52.160 ug/l
RT: 11.25 min Scan# 1700
Delta R.T. -0.00 min
Lab File: VX013445.D
Acq: 15 Nov 2019 14:49

Tgt Ion: 156 Resp: 399852
Ion Ratio Lower Upper
156 100
77 151.3 75.8 227.4
158 97.2 47.6 142.8





#78

n-propylbenzene

Concen: 53.876 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

Instrument :

MSVOA_X

ClientSampleId :

S36-0162MS

Tot Ion: 91 Resp: 1725744

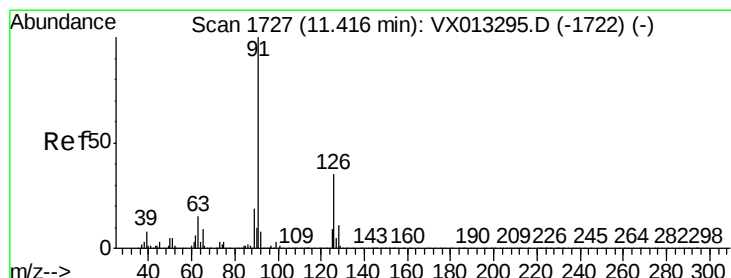
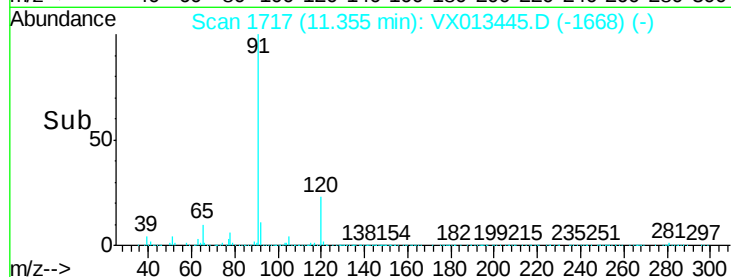
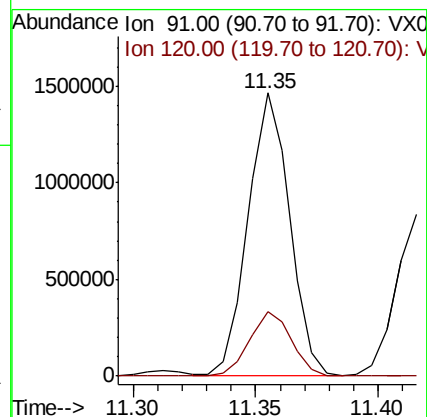
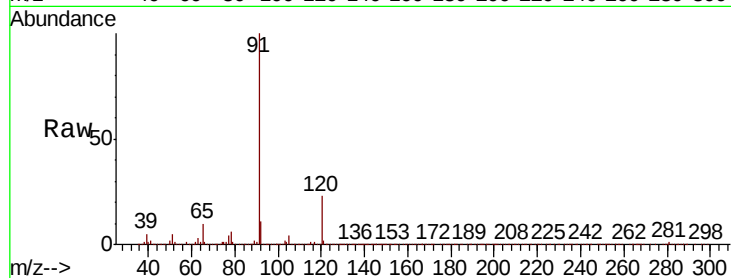
Ion Ratio Lower Upper

91 100

120 23.3 11.6 34.8

Manual Integrations
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#79

2-Chlorotoluene

Concen: 52.607 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX013445.D

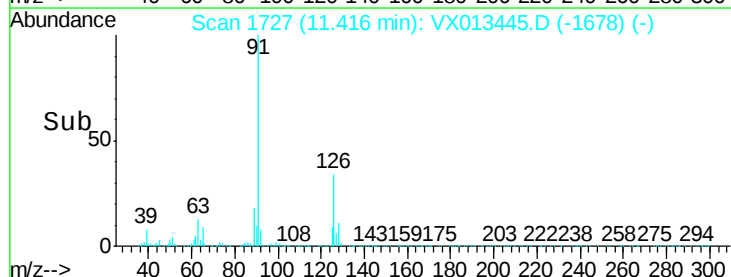
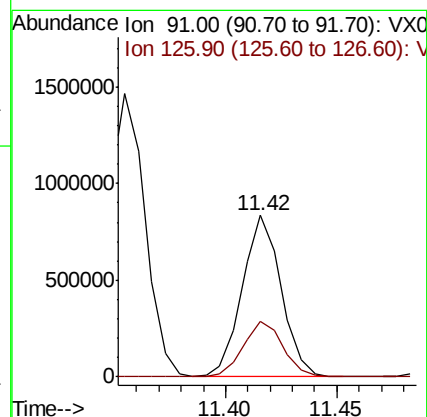
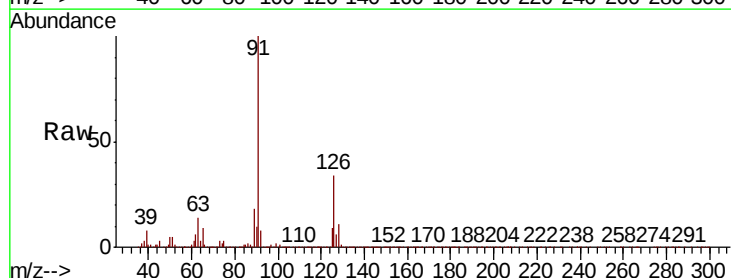
Acq: 15 Nov 2019 14:49

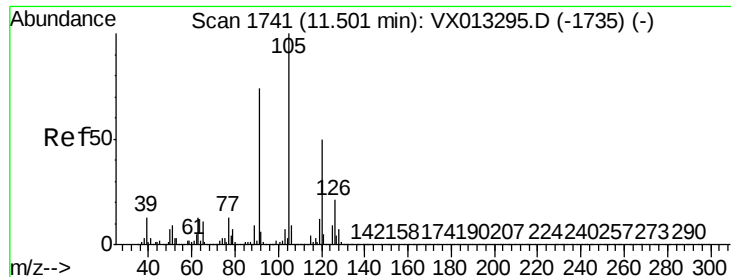
Tgt Ion: 91 Resp: 1015270

Ion Ratio Lower Upper

91 100

126 34.7 17.3 52.0





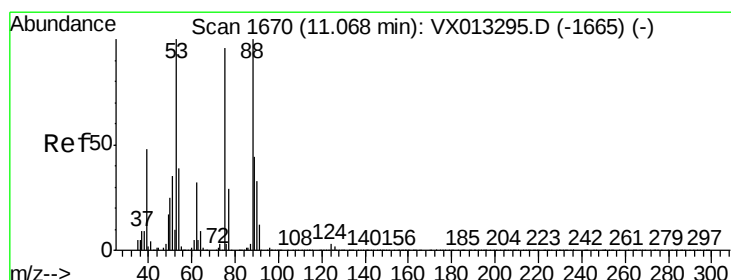
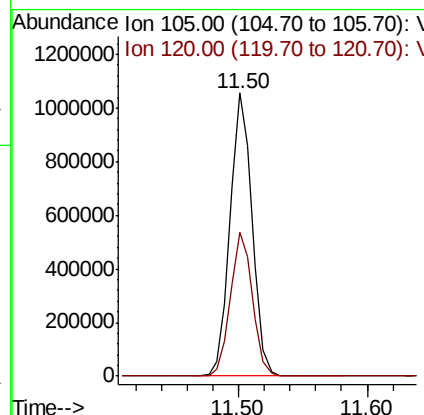
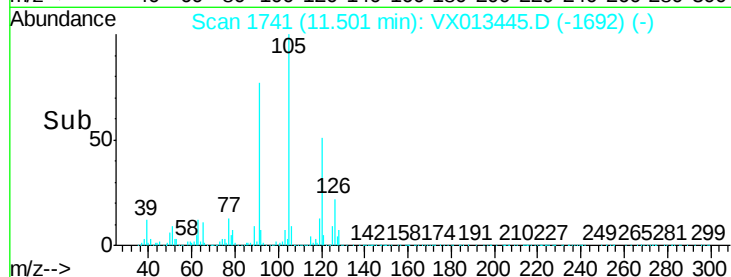
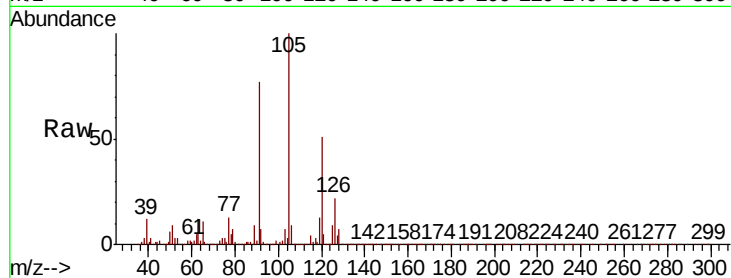
#80
 1,3,5-Trimethylbenzene
 Concen: 53.294 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX013445.D
 Acq: 15 Nov 2019 14:49

Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0162MS

Tot Ion:105 Resp: 1276477
 Ion Ratio Lower Upper
 105 100
 120 50.5 24.9 74.8

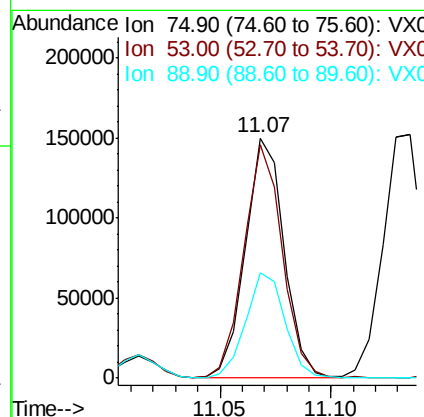
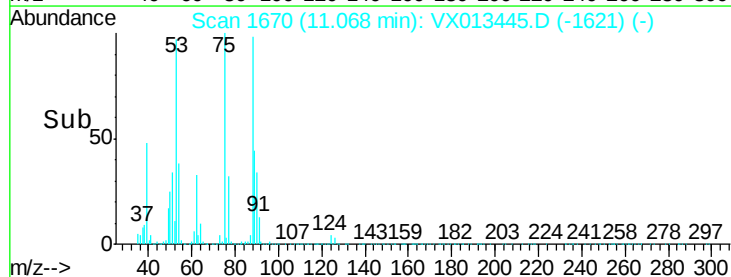
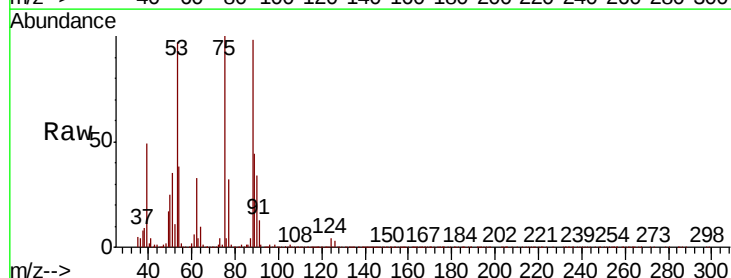
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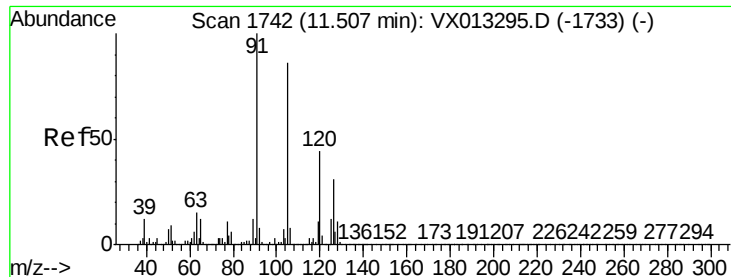
MMDadoda
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 52.871 ug/l
 RT: 11.07 min Scan# 1670
 Delta R.T. -0.00 min
 Lab File: VX013445.D
 Acq: 15 Nov 2019 14:49

Tgt Ion: 75 Resp: 180945
 Ion Ratio Lower Upper
 75 100
 53 96.8 81.0 121.6
 89 45.2 36.0 54.0





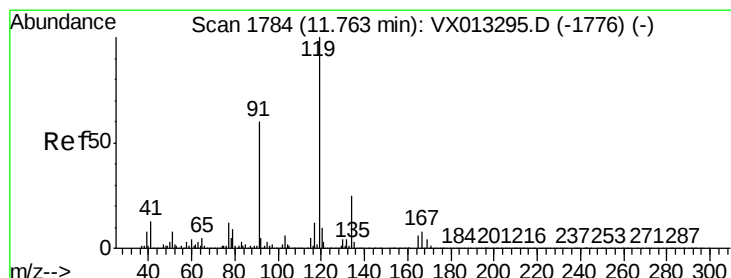
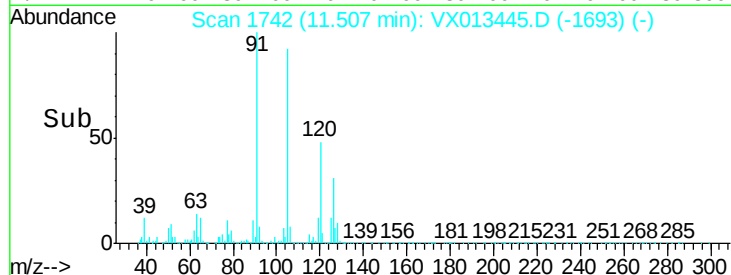
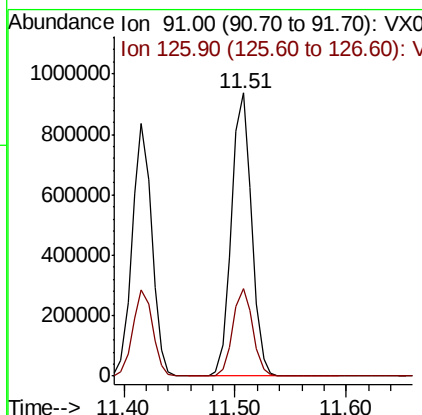
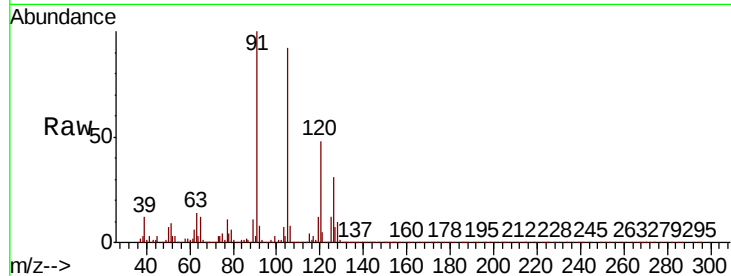
#82
4-Chlorotoluene
Concen: 51.824 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX013445.D
Acq: 15 Nov 2019 14:49

Instrument :
MSVOA_X
ClientSampled :
S36-0162MS

Tot Ion: 91 Resp: 1170780
Ion Ratio Lower Upper
91 100
126 30.6 15.3 45.8

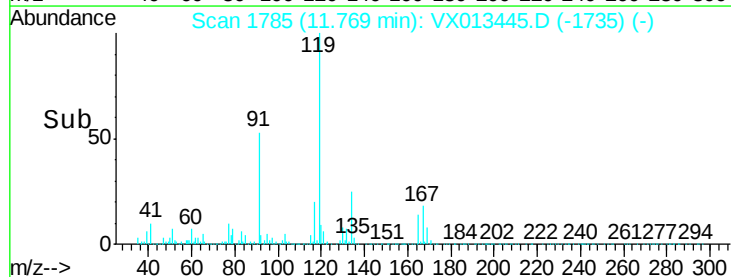
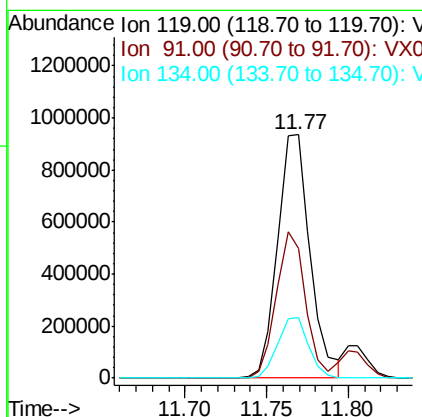
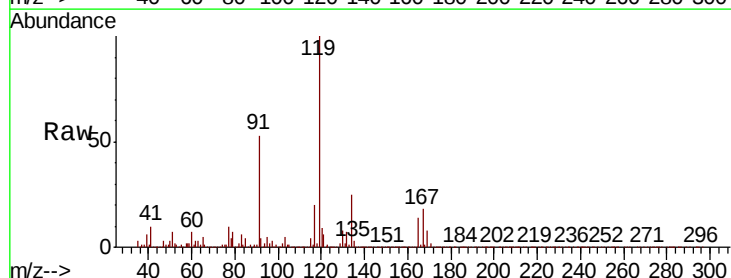
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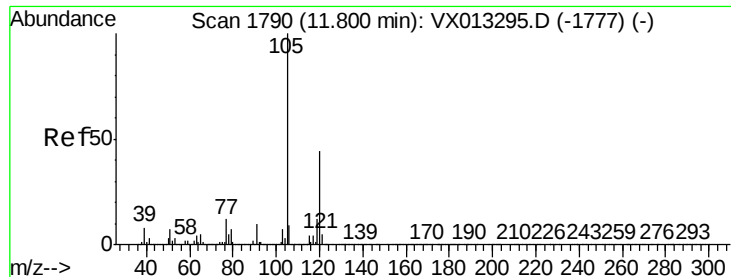
MMDadoda
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#83
tert-Butylbenzene
Concen: 54.123 ug/l
RT: 11.77 min Scan# 1785
Delta R.T. 0.01 min
Lab File: VX013445.D
Acq: 15 Nov 2019 14:49

Tgt Ion: 119 Resp: 1304958
Ion Ratio Lower Upper
119 100
91 53.8 26.9 80.7
134 23.7 11.7 35.1





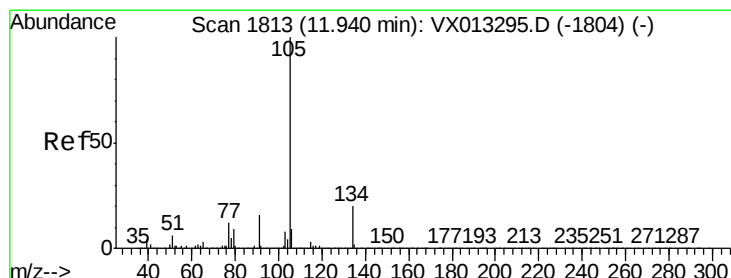
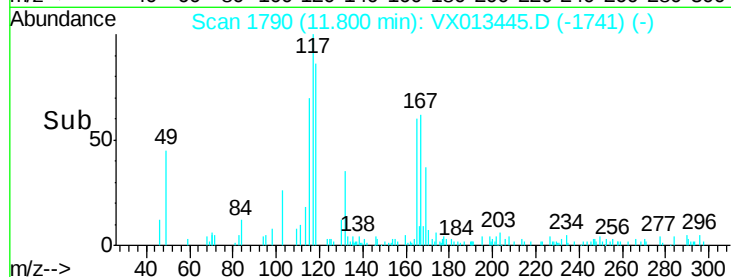
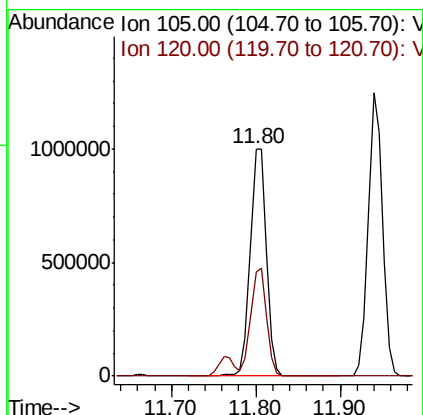
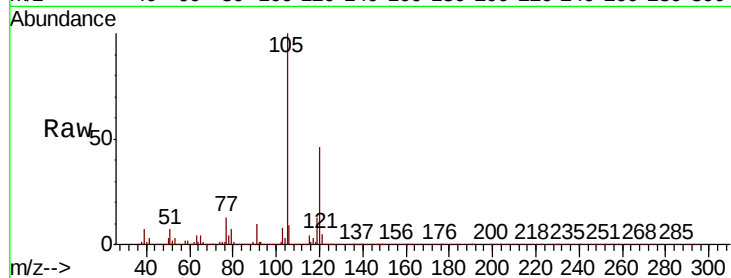
#84
1,2,4-Trimethylbenzene
Concen: 52.978 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. -0.00 min
Lab File: VX013445.D
Acq: 15 Nov 2019 14:49

Instrument :
MSVOA_X
ClientSampleId :
S36-0162MS

Tot Ion:105 Resp: 1272894
Ion Ratio Lower Upper
105 100
120 46.1 22.7 68.1

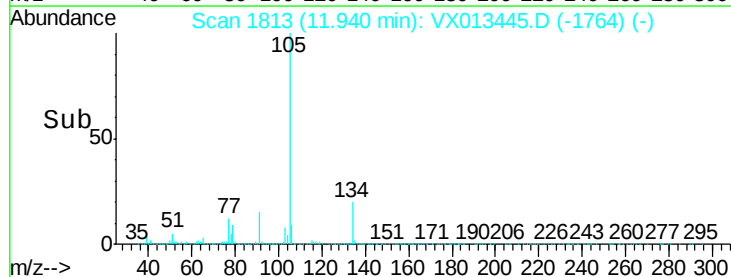
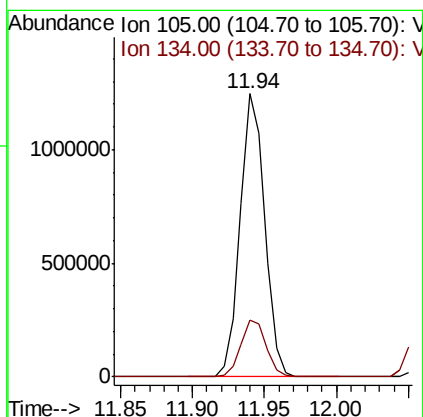
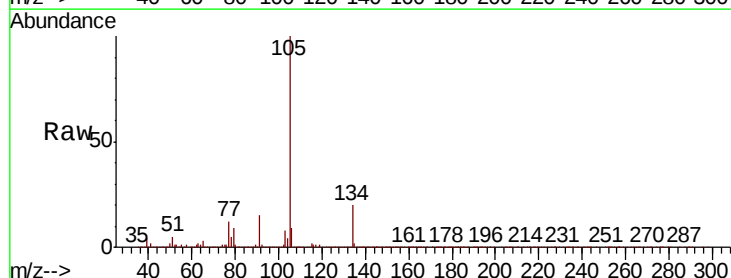
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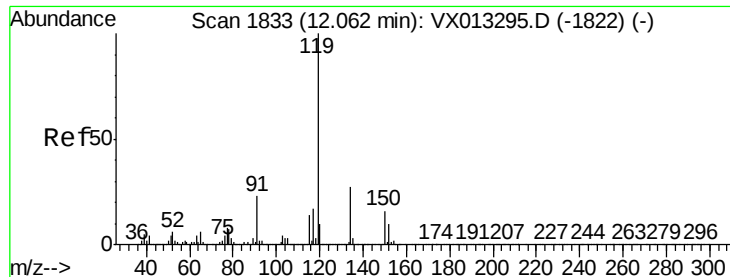
MMDadoda
11/18/2019 10:24:17 AM



#85
sec-Butylbenzene
Concen: 53.316 ug/l
RT: 11.94 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VX013445.D
Acq: 15 Nov 2019 14:49

Tgt Ion:105 Resp: 1477415
Ion Ratio Lower Upper
105 100
134 20.8 10.3 30.9





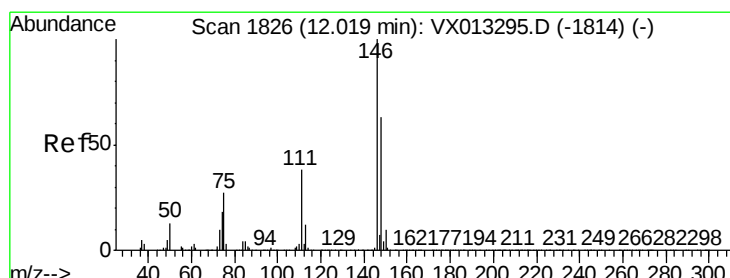
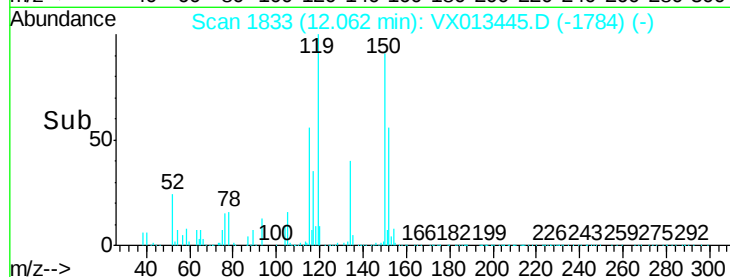
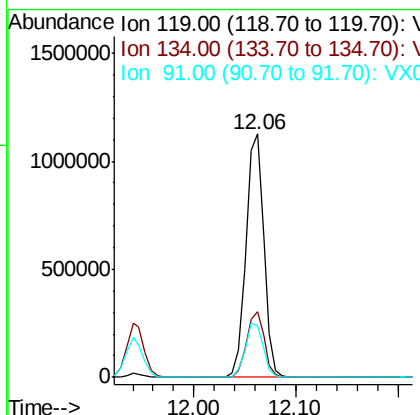
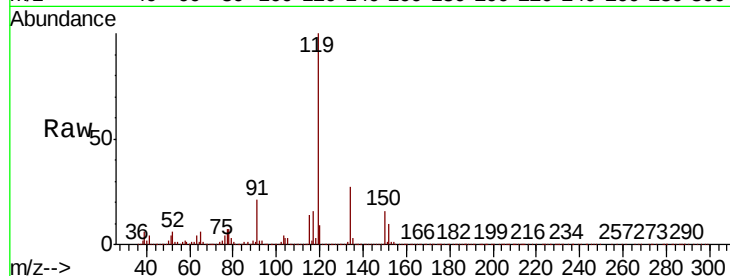
#86
 p-Isopropyltoluene
 Concen: 53.406 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: VX013445.D
 Acq: 15 Nov 2019 14:49

Instrument :
 MSVOA_X
 ClientSampled :
 S36-0162MS

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.3	39.8
91	22.3	11.5	34.4

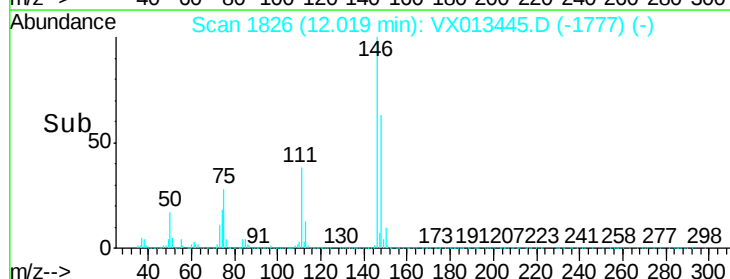
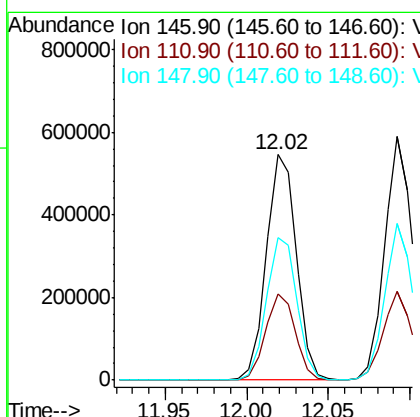
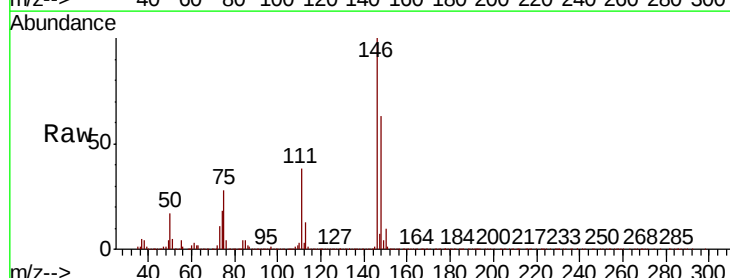
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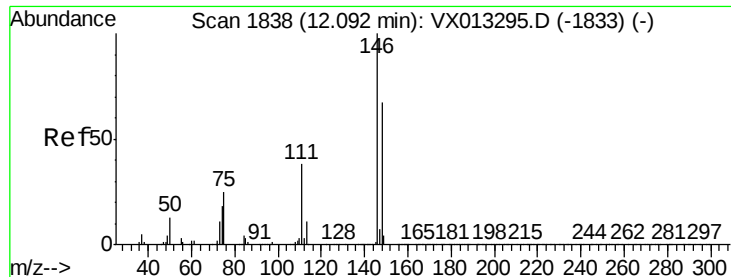
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#87
 1,3-Dichlorobenzene
 Concen: 50.931 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX013445.D
 Acq: 15 Nov 2019 14:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.9	56.5
148	64.1	31.9	95.7





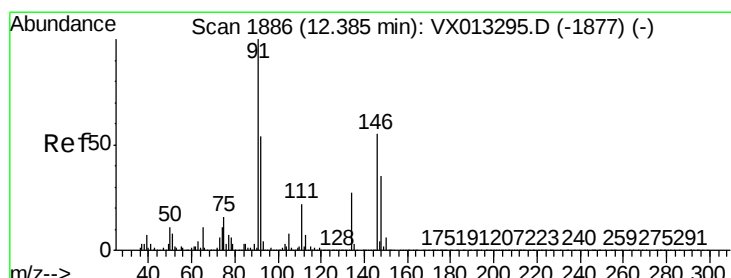
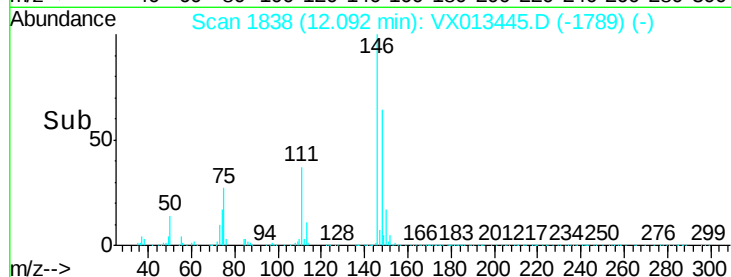
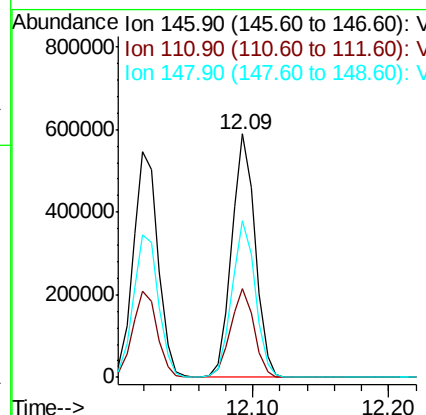
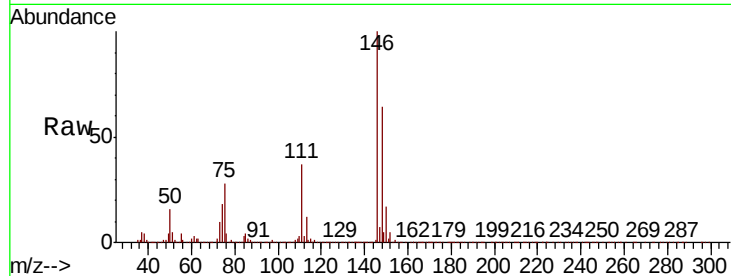
#88
 1,4-Dichlorobenzene
 Concen: 50.388 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX013445.D
 Acq: 15 Nov 2019 14:49

Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0162MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.8	56.4
148	64.1	32.4	97.0

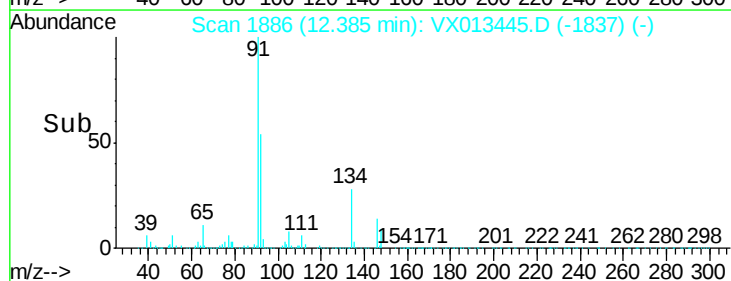
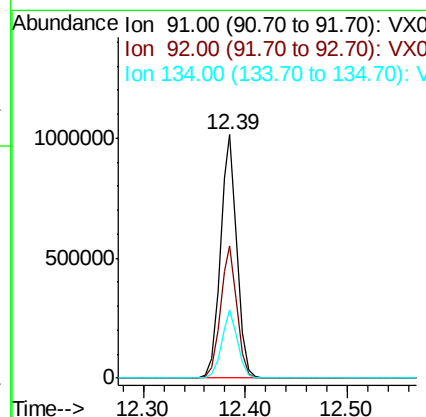
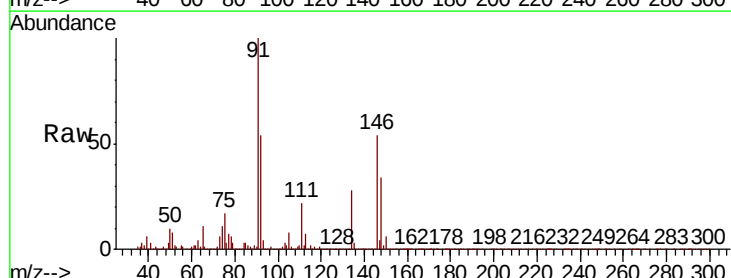
Manual Integrations
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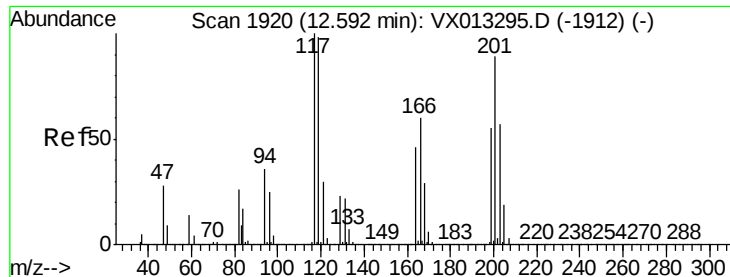
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 11/18/2019 10:24:17 AM



#89
 n-Butylbenzene
 Concen: 51.576 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX013445.D
 Acq: 15 Nov 2019 14:49

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.2	27.3	81.8
134	27.0	13.5	40.5





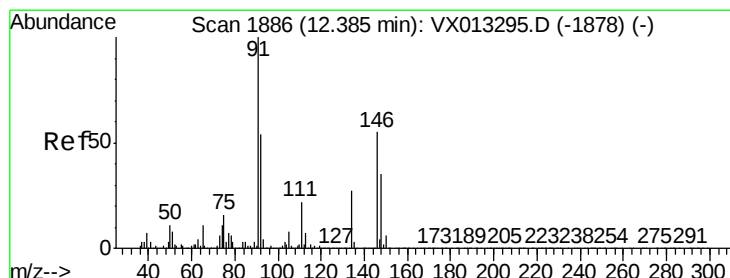
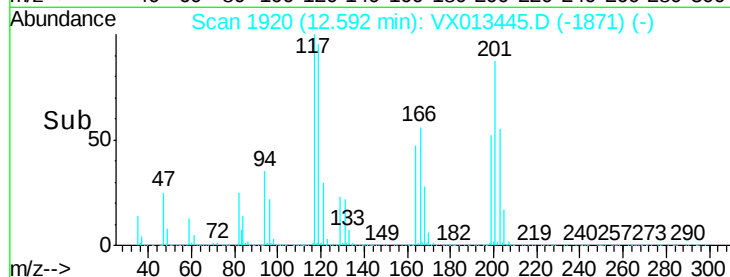
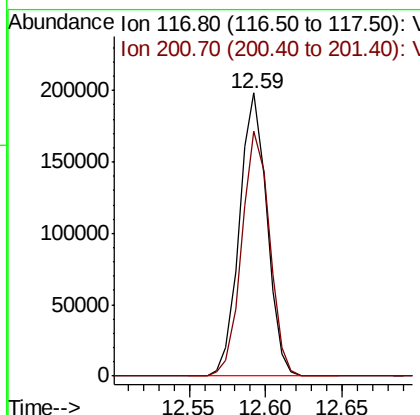
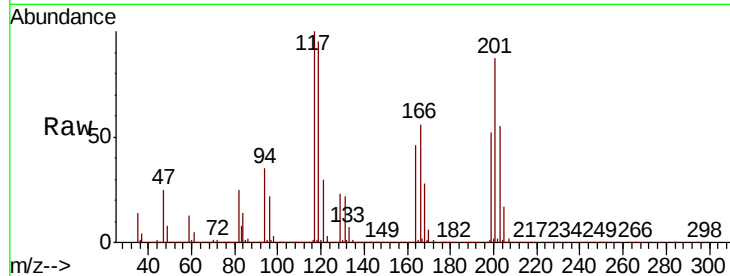
#90
Hexachloroethane
Concen: 54.372 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX013445.D
Acq: 15 Nov 2019 14:49

Instrument :
MSVOA_X
ClientSampleId :
S36-0162MS

Tot Ion	Ratio	Resp	Lower	Upper
117	100	247189		
201	87.8	43.9	131.7	

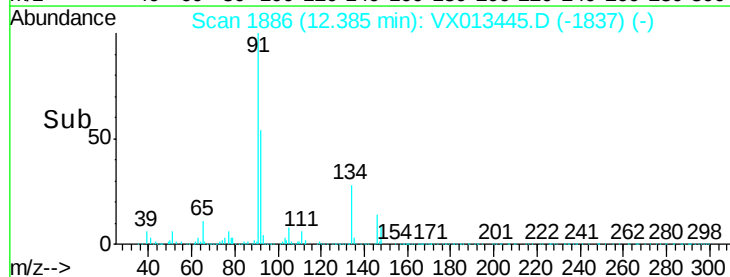
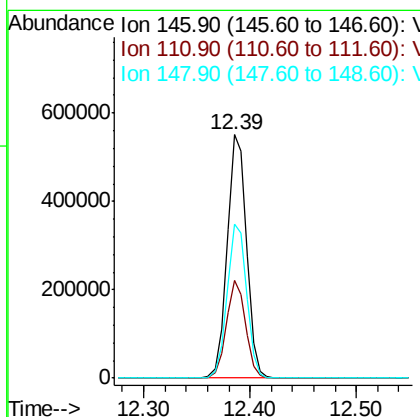
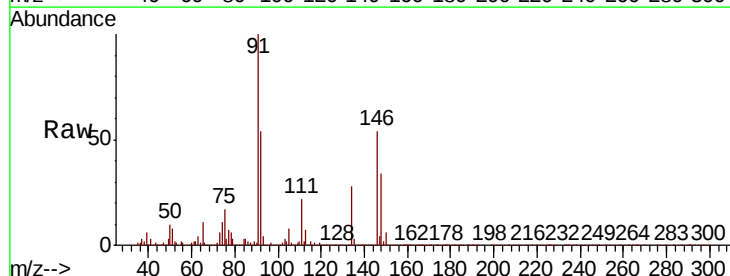
Manual Integrations
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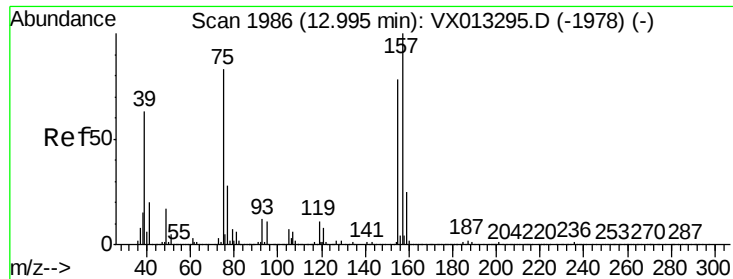
MMDadoda
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#91
1,2-Dichlorobenzene
Concen: 51.329 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX013445.D
Acq: 15 Nov 2019 14:49

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	701098		
111	39.5	20.1	60.2	
148	64.1	32.0	96.0	





#92

1,2-Dibromo-3-Chloropropane

Concen: 46.758 ug/l

RT: 12.99 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

Instrument :

MSVOA_X

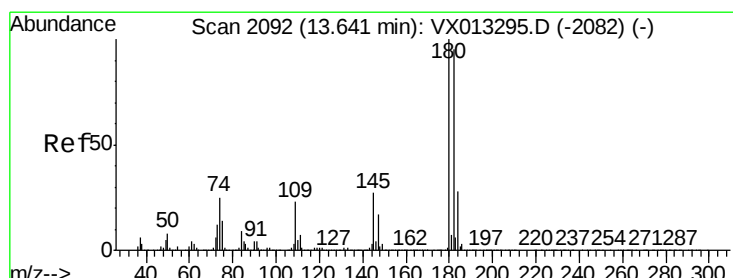
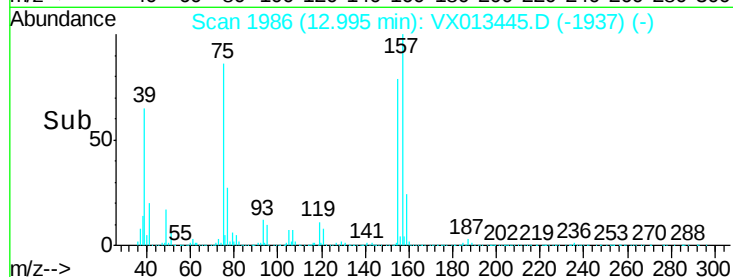
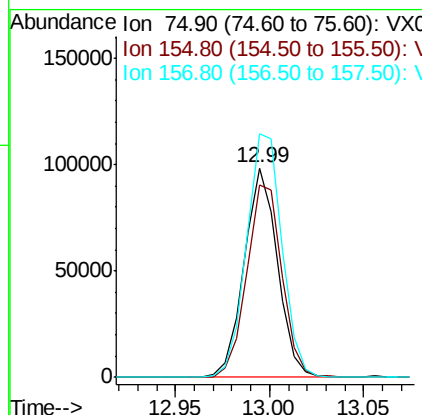
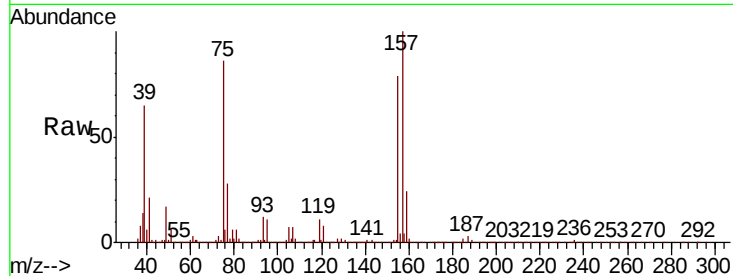
ClientSampleId :

S36-0162MS

Tot Ion:	75	Resp:	119504
Ion Ratio	Lower	Upper	
75	100		
155	98.5	47.1	141.4
157	125.7	61.3	183.8

Manual Integrations
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#93

1,2,4-Trichlorobenzene

Concen: 48.738 ug/l

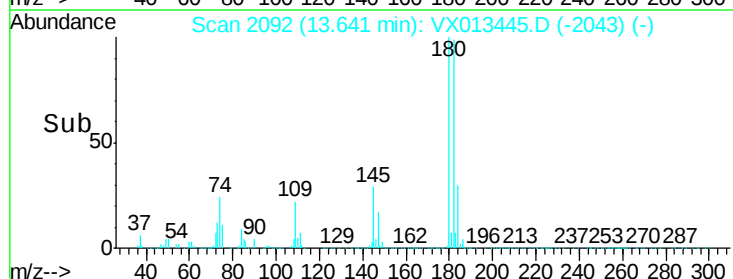
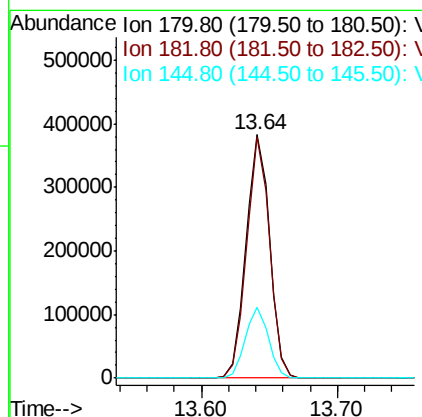
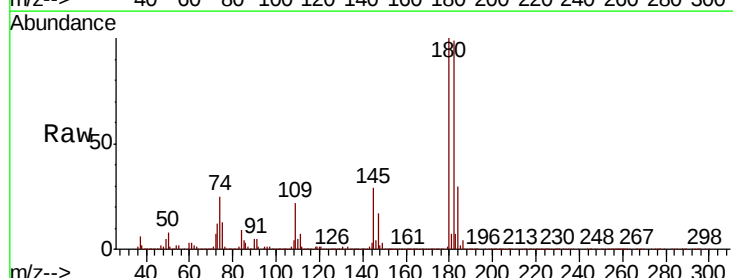
RT: 13.64 min Scan# 2092

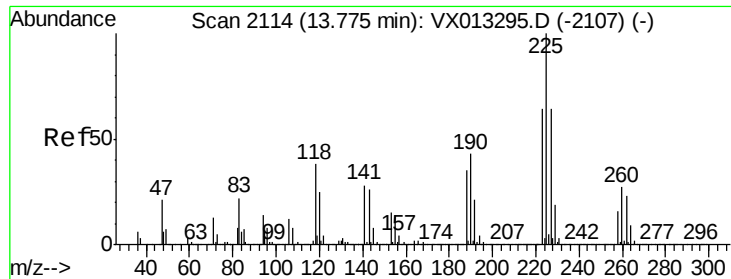
Delta R.T. -0.00 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

Tgt Ion:	180	Resp:	464360
Ion Ratio	Lower	Upper	
180	100		
182	96.1	48.4	145.0
145	28.5	14.1	42.4





#94

Hexachlorobutadiene

Concen: 46.728 ug/l

RT: 13.78 min Scan# 2114

Delta R.T. -0.00 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

Instrument :

MSVOA_X

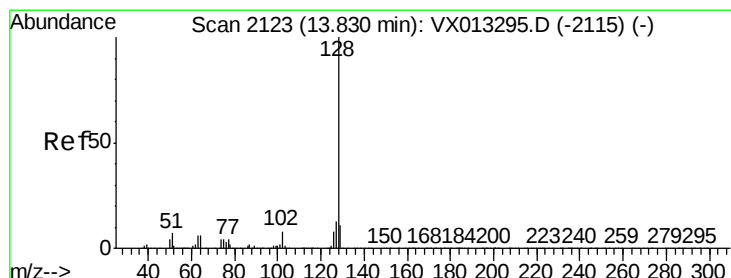
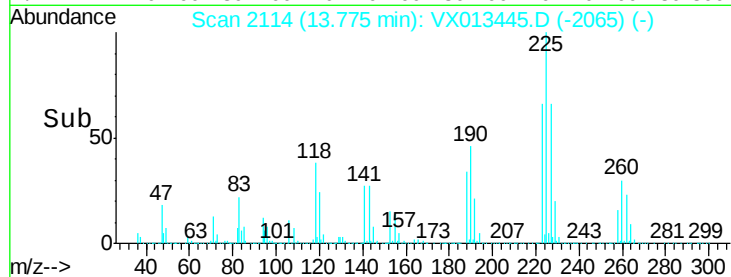
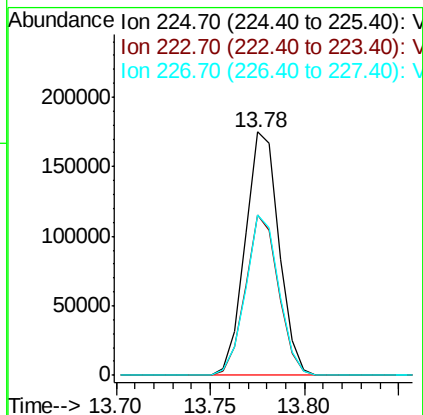
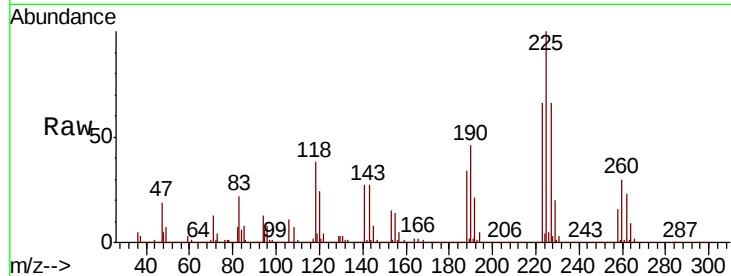
ClientSampleId :

S36-0162MS

Tot Ion:	225	Resp:	217815
Ion Ratio		Lower	Upper
225	100		
223	64.5	31.9	95.7
227	64.8	31.9	95.9

Manual Integrations
APPROVED

MMDadoda
11/18/2019 10:24:17 AM



#95

Naphthalene

Concen: 49.736 ug/l

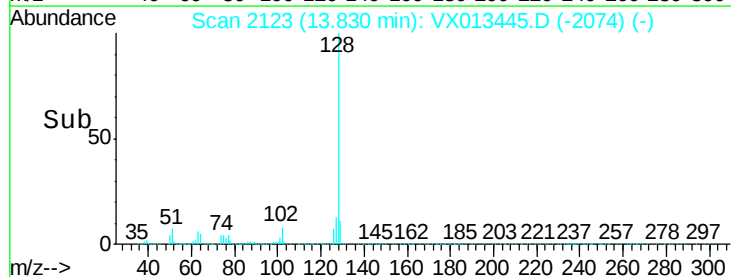
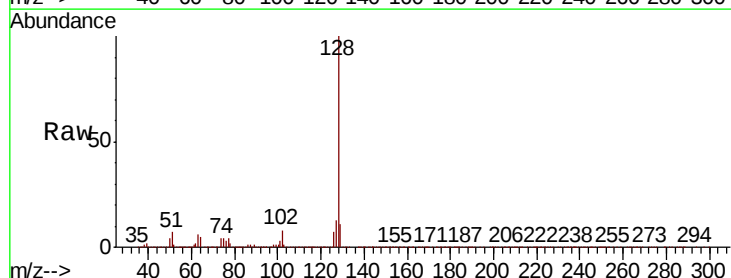
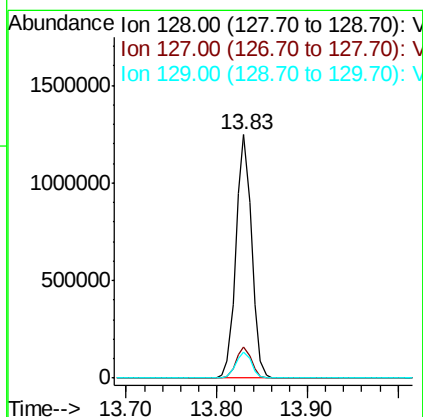
RT: 13.83 min Scan# 2123

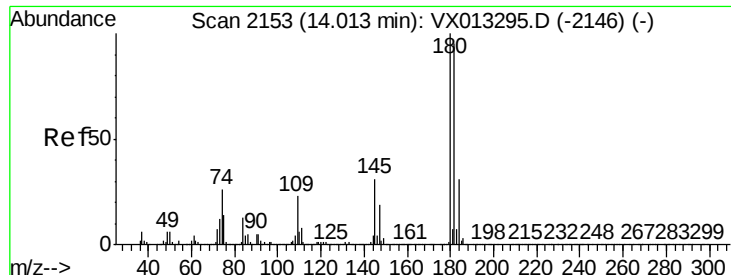
Delta R.T. -0.00 min

Lab File: VX013445.D

Acq: 15 Nov 2019 14:49

Tgt Ion:	128	Resp:	1486773
Ion Ratio		Lower	Upper
128	100		
127	12.9	10.2	15.2
129	10.8	8.5	12.7





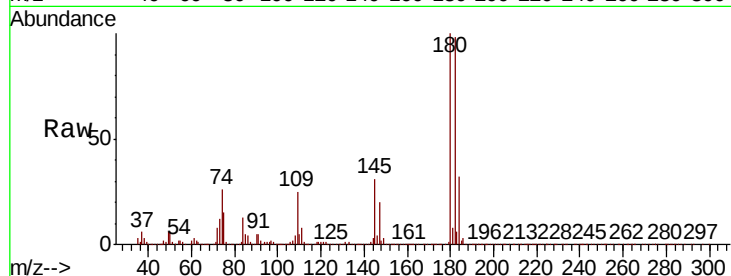
#96
 1,2,3-Trichlorobenzene
 Concen: 49.563 ug/l
 RT: 14.01 min Scan# 2153
 Delta R.T. -0.00 min
 Lab File: VX013445.D
 Acq: 15 Nov 2019 14:49

Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0162MS

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	96.0	48.0	144.2
145	30.3	15.4	46.4

Manual Integrations
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Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

