

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111519\
 Data File : VX013446.D
 Acq On : 15 Nov 2019 15:12
 Operator : JC/SP
 Sample : K5884-03MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0162MSD

Manual Integrations
 APPROVED

MMDadoda
 11/18/2019 10:24:22 AM

Quant Time: Nov 16 00:58:30 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	650324	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1005925	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	904361	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	446171	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	333209	43.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.50%	
35) Dibromofluoromethane	5.49	113	285550	45.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.52%	
50) Toluene-d8	8.71	98	1062789	44.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.36%	
62) 4-Bromofluorobenzene	11.14	95	379349	44.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	334300	44.615	ug/l	99
3) Chloromethane	1.31	50	362179	44.572	ug/l	98
4) Vinyl Chloride	1.40	62	461168	49.852	ug/l	99
5) Bromomethane	1.62	94	238144	36.941	ug/l	98
6) Chloroethane	1.71	64	251326	47.466	ug/l	99
7) Trichlorofluoromethane	1.92	101	478394	43.771	ug/l	100
8) Diethyl Ether	2.18	74	228748	47.330	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	296696	48.706	ug/l	99
10) Methyl Iodide	2.50	142	313419	41.557	ug/l	98
11) Tert butyl alcohol	3.03	59	429803	211.657	ug/l	100
12) 1,1-Dichloroethene	2.36	96	295710	49.571	ug/l	99
13) Acrolein	2.28	56	265616	241.347	ug/l	96
14) Allyl chloride	2.72	41	549444	50.693	ug/l	96
15) Acrylonitrile	3.13	53	990642	261.164	ug/l	99
16) Acetone	2.43	43	831868	216.471	ug/l	100
17) Carbon Disulfide	2.56	76	737536	46.193	ug/l	98
18) Methyl Acetate	2.76	43	555015	52.314	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	1038840	52.213	ug/l	99
20) Methylene Chloride	2.84	84	347391	48.927	ug/l	99
21) trans-1,2-Dichloroethene	3.15	96	323116	49.748	ug/l	98
22) Diisopropyl ether	3.84	45	1104648	52.790	ug/l	97
23) Vinyl Acetate	3.80	43	4603402	257.090	ug/l	100
24) 1,1-Dichloroethane	3.69	63	597140	51.012	ug/l	98
25) 2-Butanone	4.66	43	1387574	246.131	ug/l	99
26) 2,2-Dichloropropane	4.57	77	466231	50.066	ug/l	95
27) cis-1,2-Dichloroethene	4.58	96	489772	67.314	ug/l	97
28) Bromochloromethane	5.00	49	160378	48.253	ug/l	99
29) Tetrahydrofuran	5.12	42	897082	258.222	ug/l	99
30) Chloroform	5.20	83	584416	50.560	ug/l	96
31) Cyclohexane	5.57	56	509649	48.385	ug/l	100
32) 1,1,1-Trichloroethane	5.48	97	491807	49.441	ug/l	99
36) 1,1-Dichloropropene	5.79	75	428249	49.626	ug/l	98
37) Ethyl Acetate	4.82	43	528479	49.561	ug/l	99
38) Carbon Tetrachloride	5.78	117	420526	49.833	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	517468	48.125	ug/l	100
40) Benzene	6.13	78	1349709	50.211	ug/l	99
41) Methacrylonitrile	5.03	41	297928	49.848	ug/l	98
42) 1,2-Dichloroethane	6.18	62	468713	48.340	ug/l	99
43) Isopropyl Acetate	6.43	43	851380	51.274	ug/l	99
44) Trichloroethene	7.20	130	355667	48.067	ug/l	97
45) 1,2-Dichloropropane	7.51	63	351984	51.391	ug/l	98
46) Dibromomethane	7.65	93	230580	49.307	ug/l	98
47) Bromodichloromethane	7.89	83	459199	52.073	ug/l	98
48) Methyl methacrylate	7.76	41	433102	52.252	ug/l	97
49) 1,4-Dioxane	7.73	88	170972	900.709	ug/l	100
51) 4-Methyl-2-Pentanone	8.64	43	2756350	253.014	ug/l	99
52) Toluene	8.78	92	848820	50.948	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	510039	52.893	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	562210	52.122	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	357967	51.837	ug/l	98
56) Ethyl methacrylate	9.17	69	570389	48.432	ug/l	97
57) 1,3-Dichloropropane	9.37	76	598927	51.092	ug/l	100
59) 2-Hexanone	9.49	43	2096822	249.067	ug/l	99
60) Dibromochloromethane	9.57	129	370644	52.480	ug/l	99
61) 1,2-Dibromoethane	9.67	107	369703	50.417	ug/l	99
64) Tetrachloroethene	9.33	164	304678	47.061	ug/l	98
65) Chlorobenzene	10.14	112	921142	50.310	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	353168	52.534	ug/l	97
67) Ethyl Benzene	10.25	91	1601758	50.689	ug/l	99
68) m/p-Xylenes	10.35	106	1210255	101.270	ug/l	100
69) o-Xylene	10.70	106	592439	50.635	ug/l	99
70) Stvrene	10.71	104	1026545	52.487	ug/l	99
71) Bromoform	10.85	173	290047	46.754	ug/l #	99
73) Isopropylbenzene	11.01	105	1588601	53.702	ug/l	100
74) N-amyl acetate	10.89	43	753760	54.948	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	575937	53.368	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	451770m	49.851	ug/l	
77) Bromobenzene	11.25	156	416344	52.794	ug/l	99
78) n-propylbenzene	11.35	91	1767405	53.635	ug/l	100
79) 2-Chlorotoluene	11.42	91	1048919	52.832	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	1322233	53.662	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	191479	54.386	ug/l	96
82) 4-Chlorotoluene	11.51	91	1202739	51.752	ug/l	100
83) tert-Butylbenzene	11.77	119	1354265	54.599	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	1316998	53.282	ug/l	99
85) sec-Butylbenzene	11.94	105	1525445	53.512	ug/l	100
86) p-Isopropyltoluene	12.06	119	1399977	53.333	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	715307	50.886	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	715033	49.925	ug/l	100
89) n-Butylbenzene	12.39	91	1168286	51.006	ug/l	100
90) Hexachloroethane	12.59	117	256085	54.755	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	724718	51.576	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	124202	47.239	ug/l	98
93) 1,2,4-Trichlorobenzene	13.64	180	482810	49.259	ug/l	99

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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)
94) Hexachlorobutadiene	13.78	225	229031	47.762	ug/l	100
95) Naphthalene	13.83	128	1550327	50.413	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	492743	50.128	ug/l	98

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

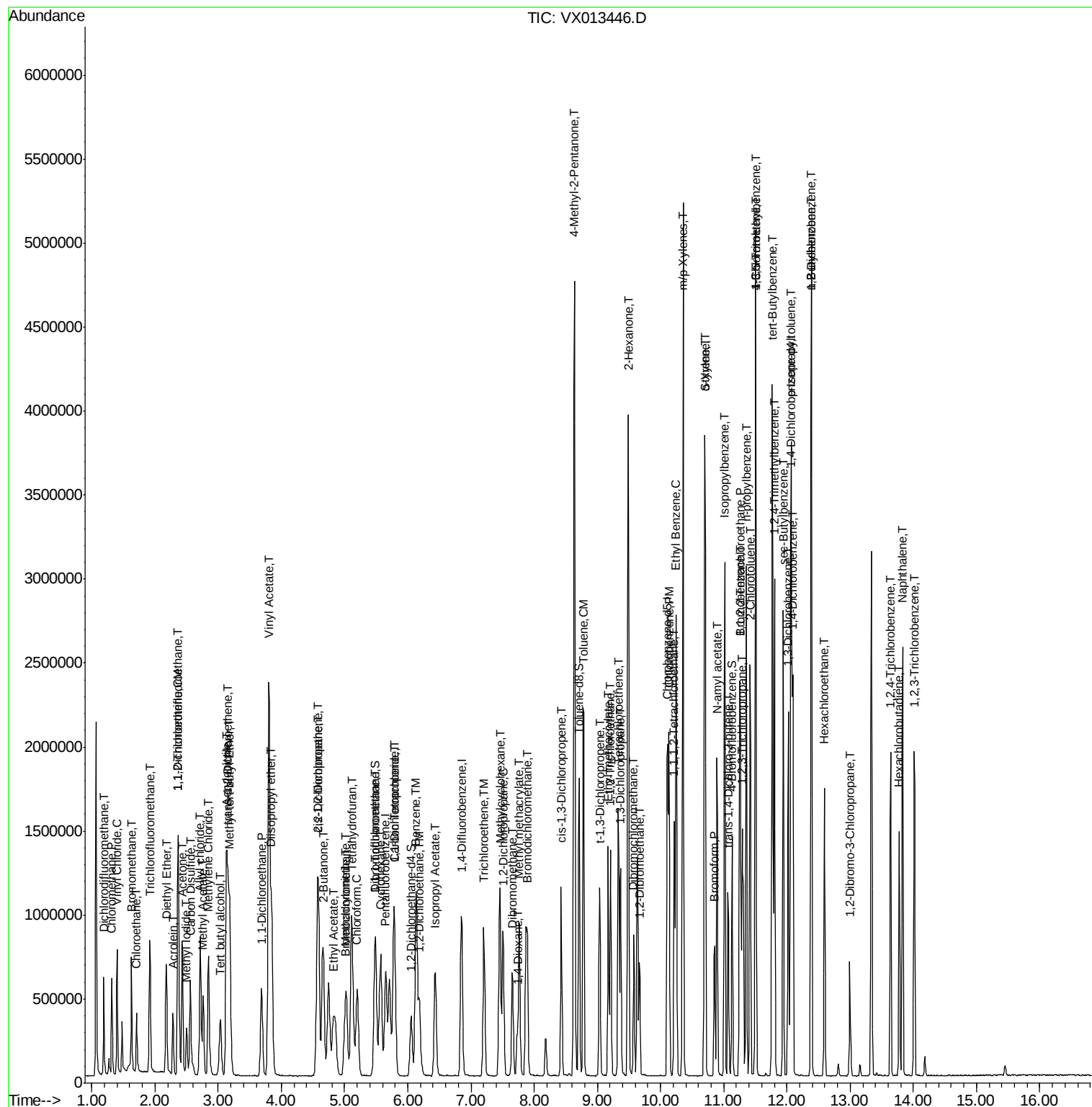
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 Data File : VX013446.D
 Acq On : 15 Nov 2019 15:12
 Operator : JC/SP
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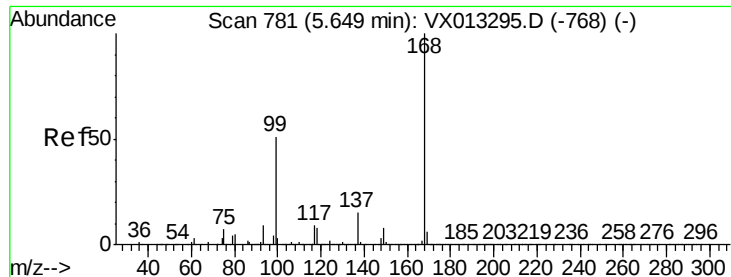
Instrument :
 MSVOA_X
 ClientSampleID :
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#1

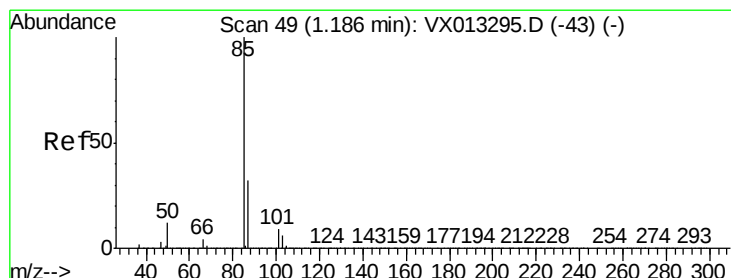
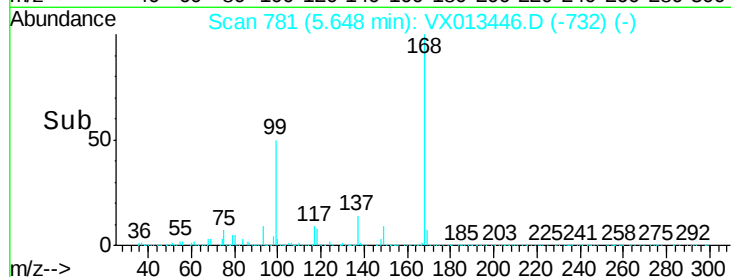
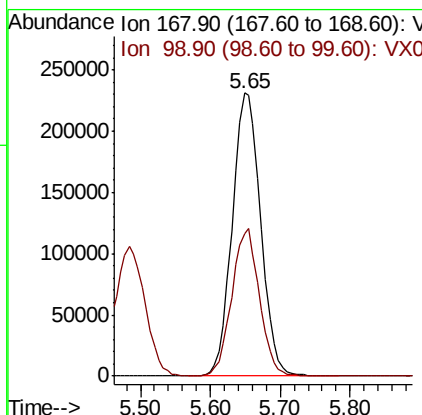
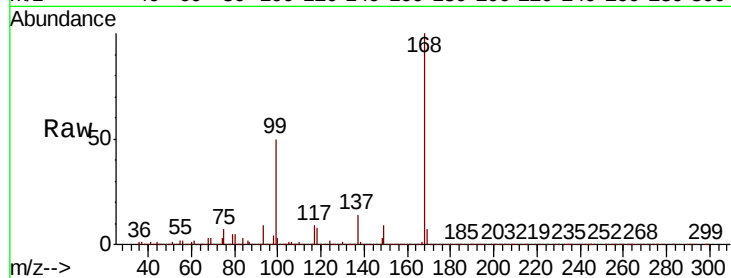
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.00 min
Lab File: VX013446.D
Acq: 15 Nov 2019 15:12

Instrument :
MSVOA_X
ClientSampleId :
S36-0162MSD

Tot Ion	Ratio	Lower	Upper
168	100		
99	50.1	40.8	61.2

Manual Integrations
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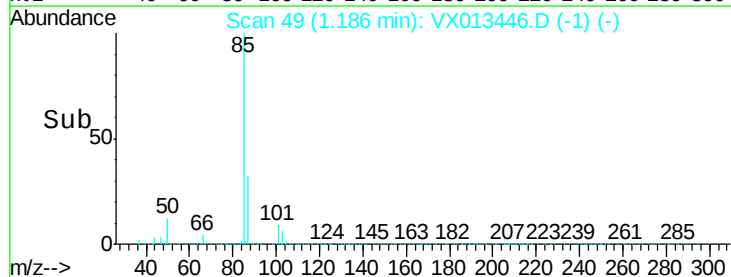
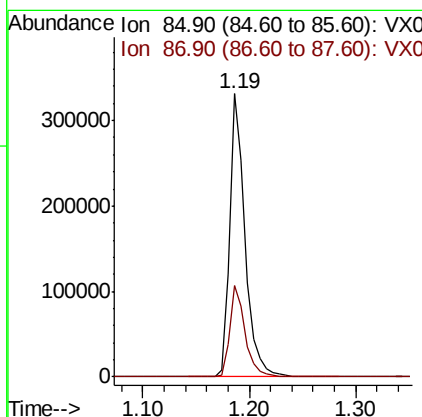
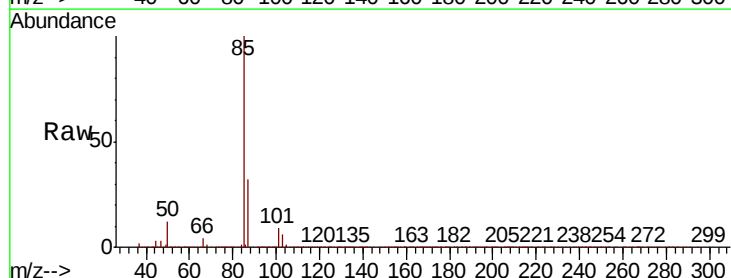
MMDadoda
11/18/2019 10:24:22 AM

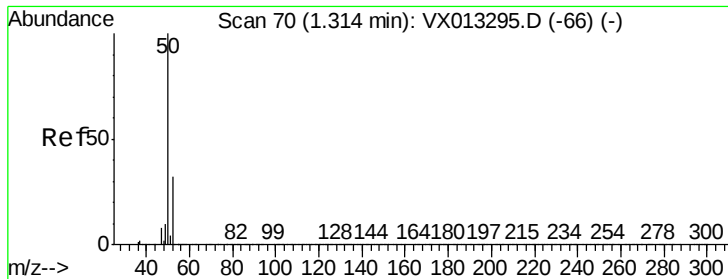


#2

Dichlorodifluoromethane
Concen: 44.615 ug/l
RT: 1.19 min Scan# 49
Delta R.T. -0.00 min
Lab File: VX013446.D
Acq: 15 Nov 2019 15:12

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.3	15.9	47.6





#3

Chloromethane

Concen: 44.572 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX013446.D

Acq: 15 Nov 2019 15:12

Instrument :

MSVOA_X

ClientSampleId :

S36-0162MSD

Tot Ion: 50 Resp: 362179

Ion Ratio Lower Upper

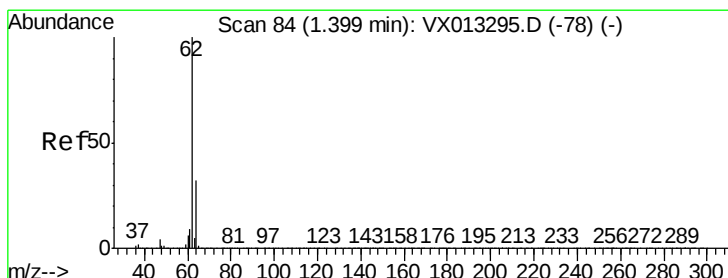
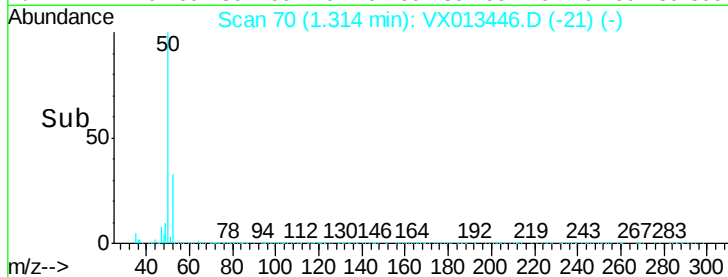
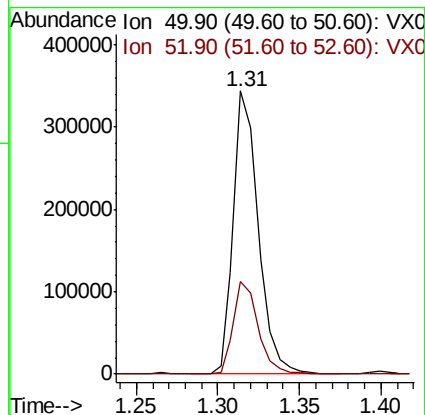
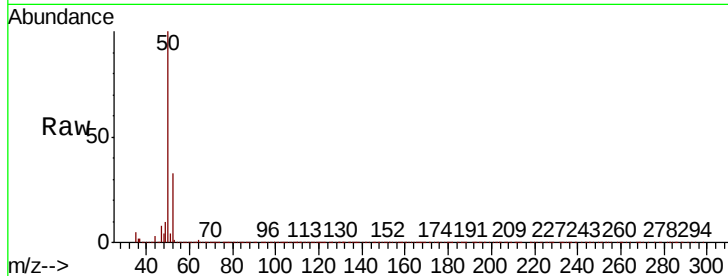
50 100

52 32.8 25.5 38.3

Manual Integrations
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#4

Vinyl Chloride

Concen: 49.852 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013446.D

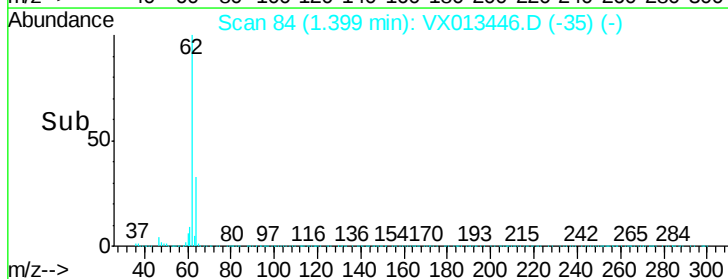
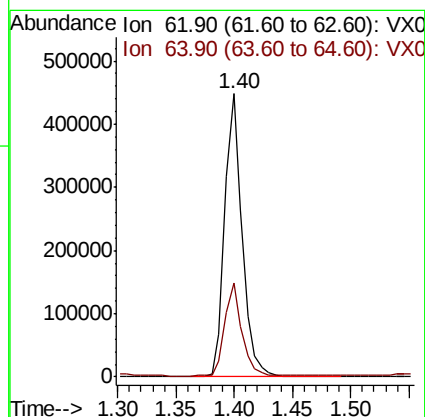
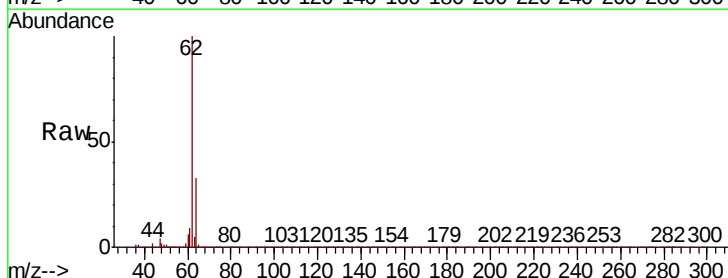
Acq: 15 Nov 2019 15:12

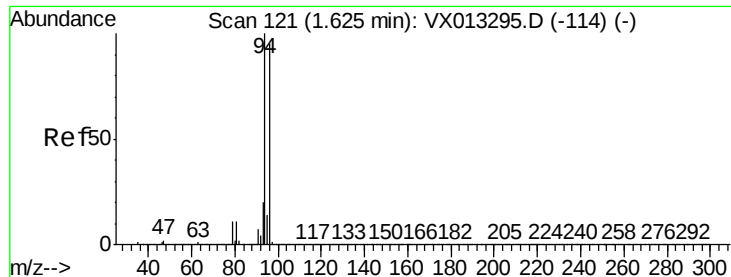
Tgt Ion: 62 Resp: 461168

Ion Ratio Lower Upper

62 100

64 32.8 25.6 38.4





#5

Bromomethane

Concen: 36.941 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX013446.D

Acq: 15 Nov 2019 15:12

Instrument :

MSVOA_X

ClientSampleId :

S36-0162MSD

Tot Ion: 94 Resp: 238144

Ion Ratio Lower Upper

94 100

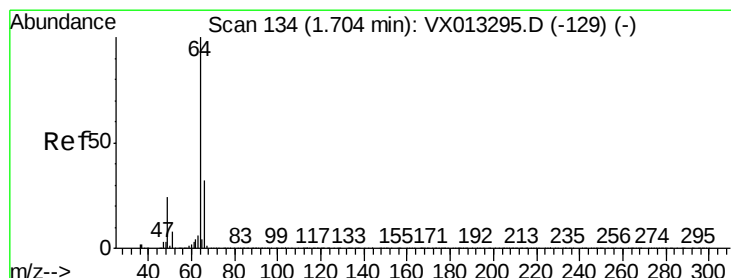
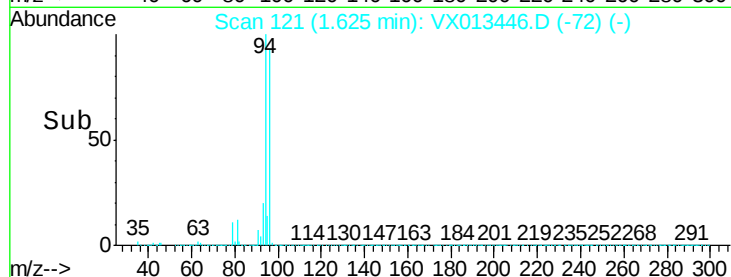
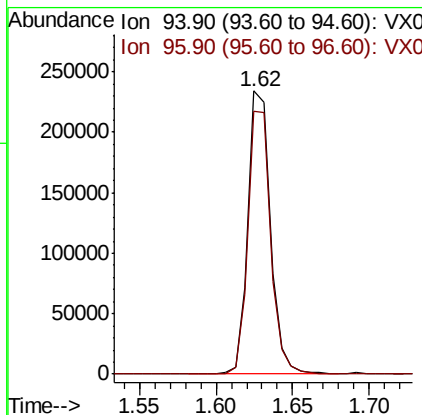
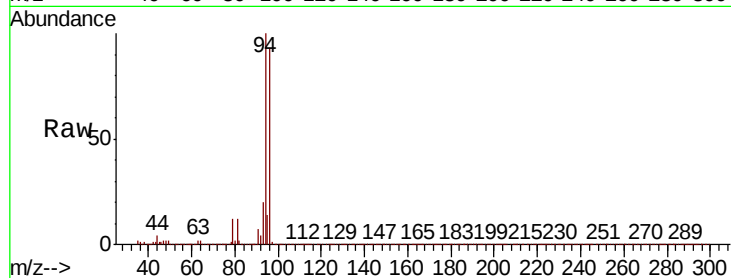
96 92.7 75.8 113.8

Manual Integrations

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#6

Chloroethane

Concen: 47.466 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX013446.D

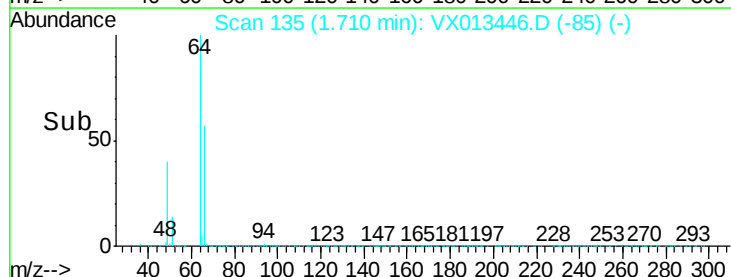
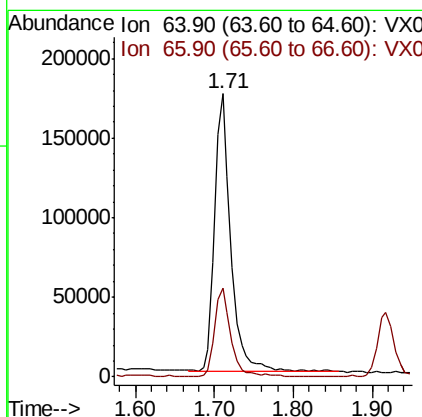
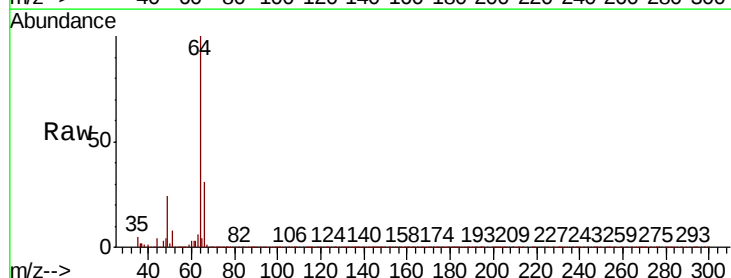
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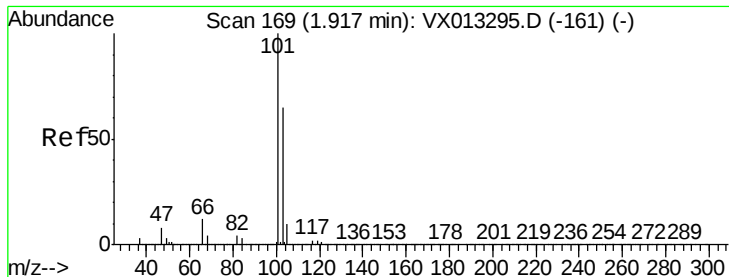
Tgt Ion: 64 Resp: 251326

Ion Ratio Lower Upper

64 100

66 31.6 25.6 38.4





#7

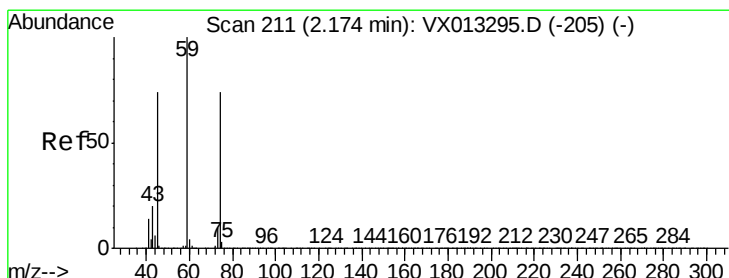
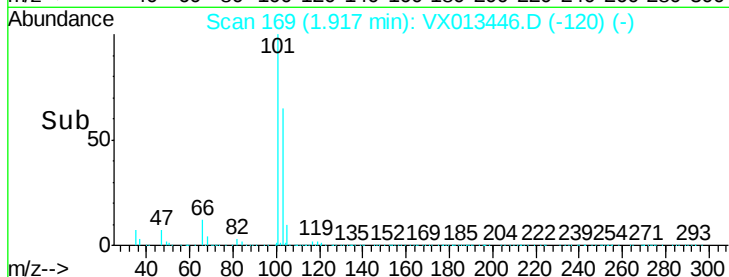
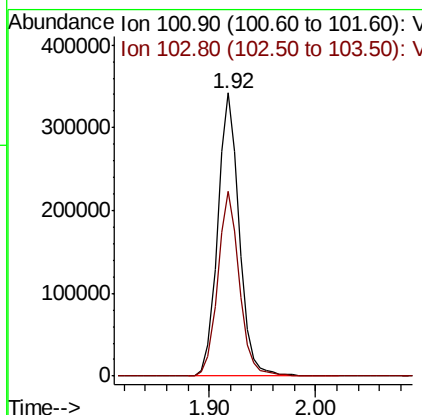
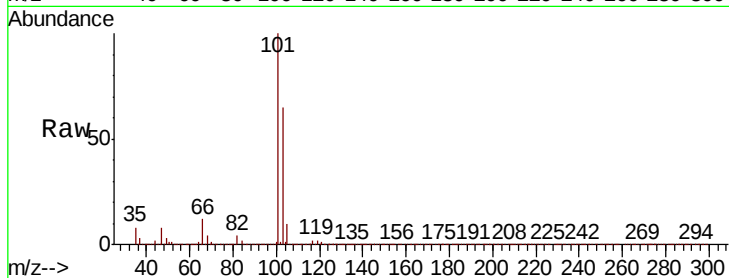
Trichlorofluoromethane
Concen: 43.771 ug/l
RT: 1.92 min Scan# 169
Delta R.T. -0.00 min
Lab File: VX013446.D
Acq: 15 Nov 2019 15:12

Instrument :
MSVOA_X
ClientSampleId :
S36-0162MSD

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	52.3	78.5

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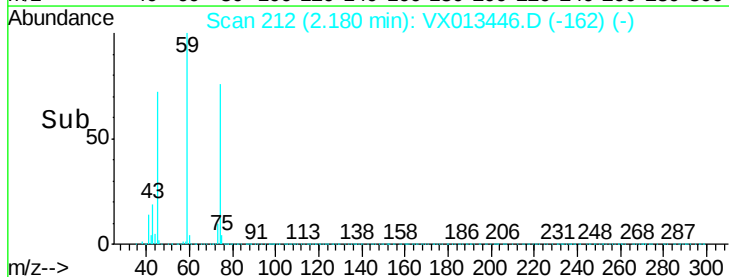
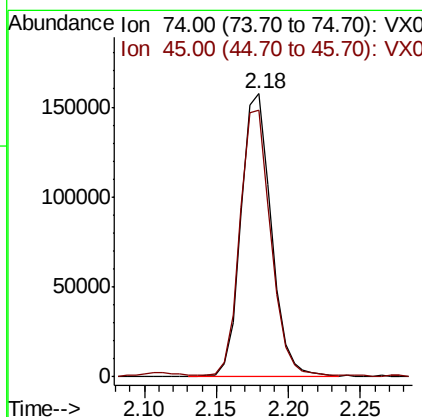
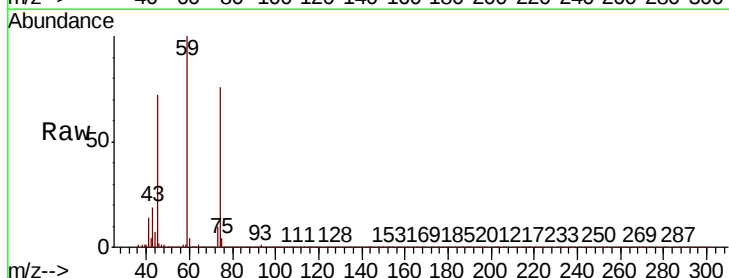
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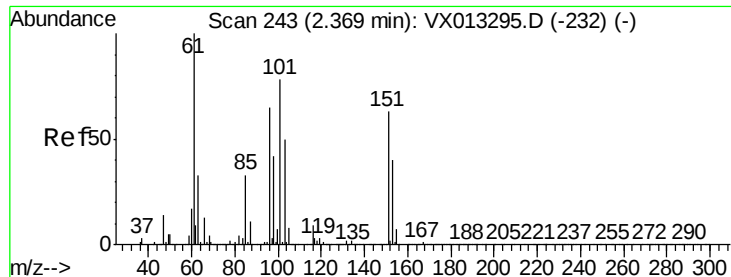


#8

Diethyl Ether
Concen: 47.330 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.01 min
Lab File: VX013446.D
Acq: 15 Nov 2019 15:12

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.5	48.5	145.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.706 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.00 min

Lab File: VX013446.D

Acq: 15 Nov 2019 15:12

Instrument :

MSVOA_X

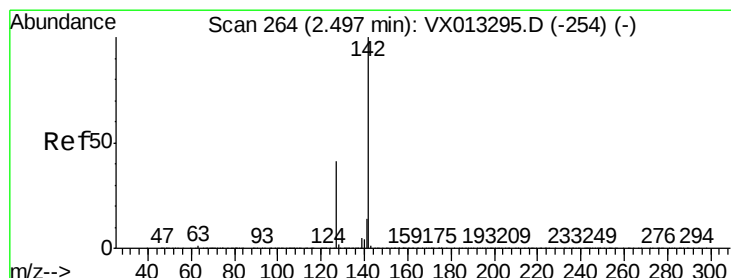
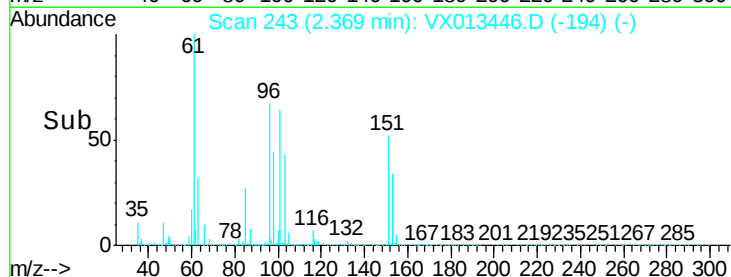
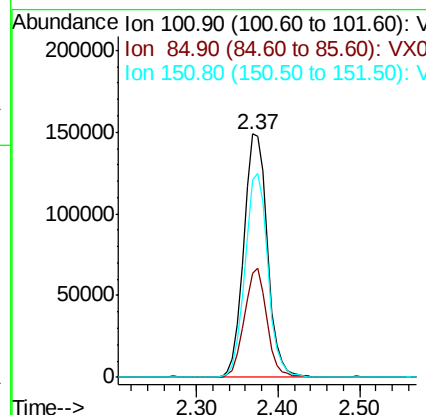
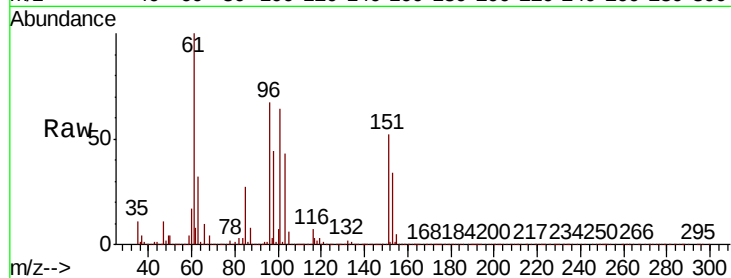
ClientSampleId :

S36-0162MSD

Tot Ion:	101	Resp:	296696
Ion Ratio	Lower	Upper	
101	100		
85	42.2	34.4	51.6
151	81.7	66.4	99.6

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#10

Methyl Iodide

Concen: 41.557 ug/l

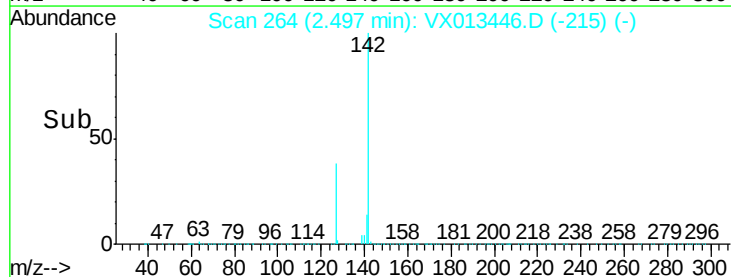
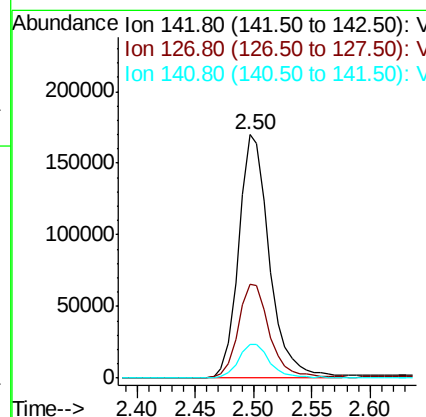
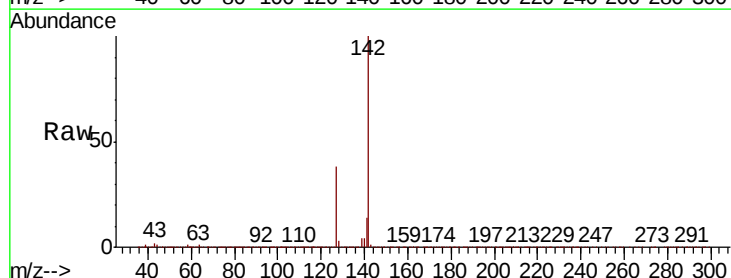
RT: 2.50 min Scan# 264

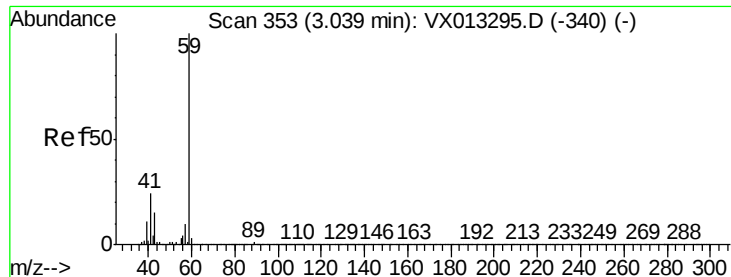
Delta R.T. -0.00 min

Lab File: VX013446.D

Acq: 15 Nov 2019 15:12

Tgt Ion:	142	Resp:	313419
Ion Ratio	Lower	Upper	
142	100		
127	39.2	32.6	49.0
141	14.2	11.6	17.4





#11

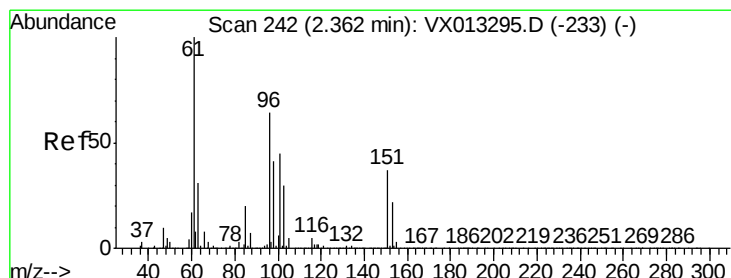
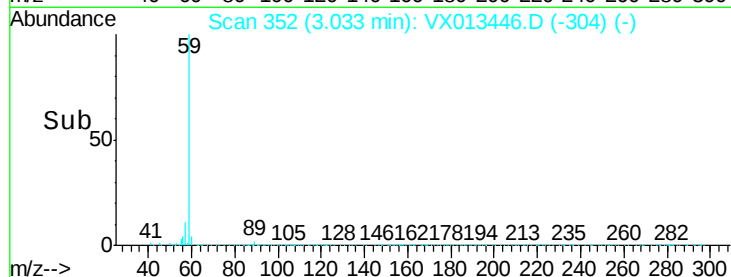
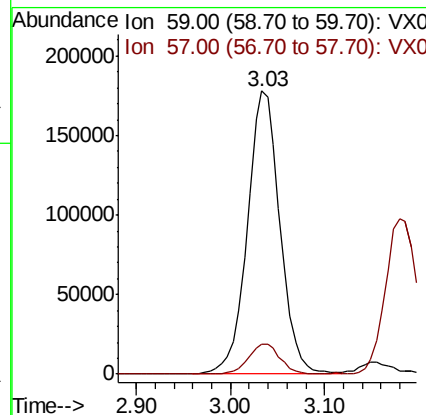
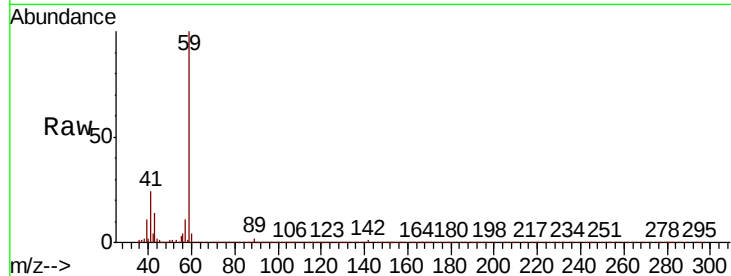
Tert butyl alcohol
Concen: 211.657 ug/l
RT: 3.03 min Scan# 352
Delta R.T. -0.01 min
Lab File: VX013446.D
Acq: 15 Nov 2019 15:12

Instrument :
MSVOA_X
ClientSampleId :
S36-0162MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.0	12.0

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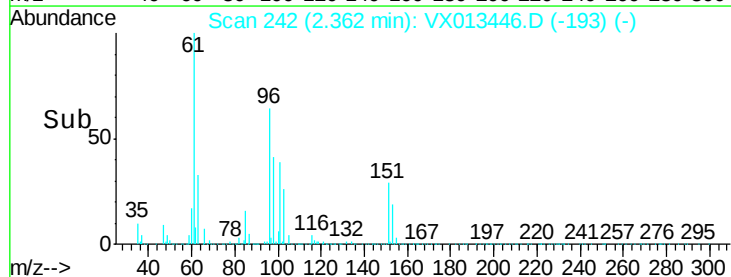
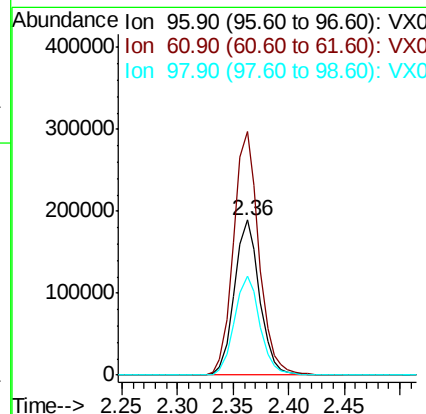
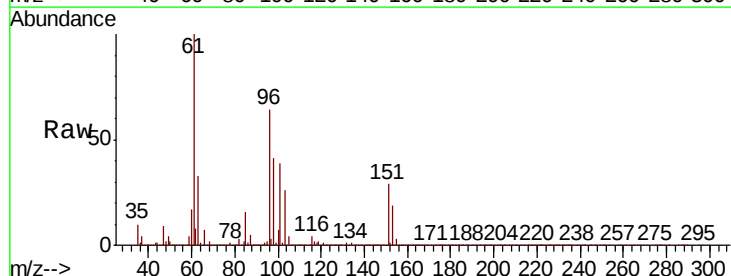
MMDadoda
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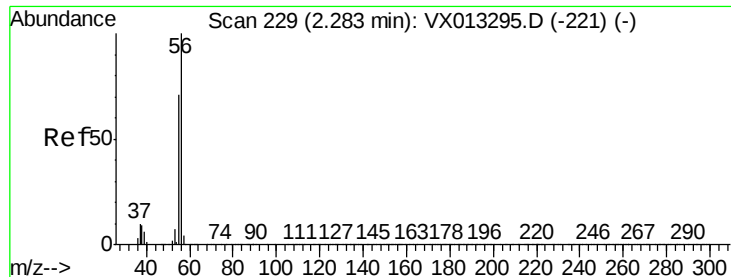


#12

1,1-Dichloroethene
Concen: 49.571 ug/l
RT: 2.36 min Scan# 242
Delta R.T. -0.00 min
Lab File: VX013446.D
Acq: 15 Nov 2019 15:12

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.4	125.0	187.6
98	63.9	50.7	76.1





#13

Acrolein

Concen: 241.347 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.00 min

Lab File: VX013446.D

Acq: 15 Nov 2019 15:12

Instrument :

MSVOA_X

ClientSampleId :

S36-0162MSD

Tot Ion: 56 Resp: 265616

Ion Ratio Lower Upper

56 100

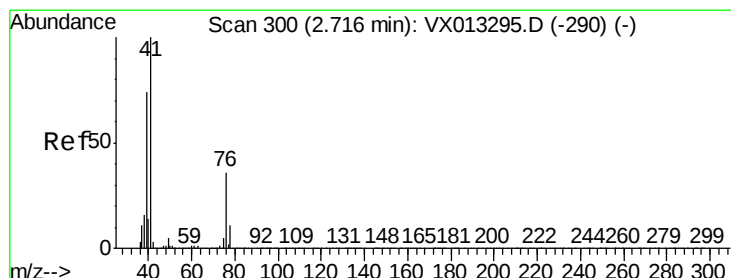
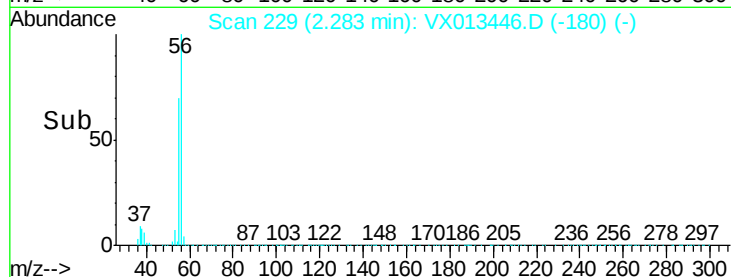
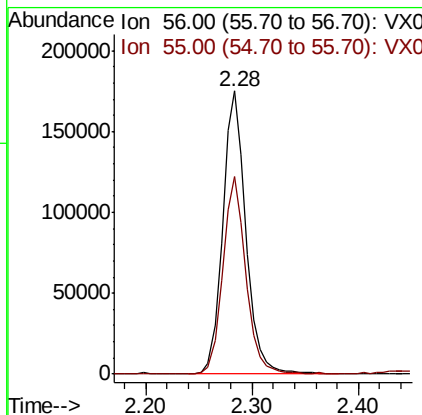
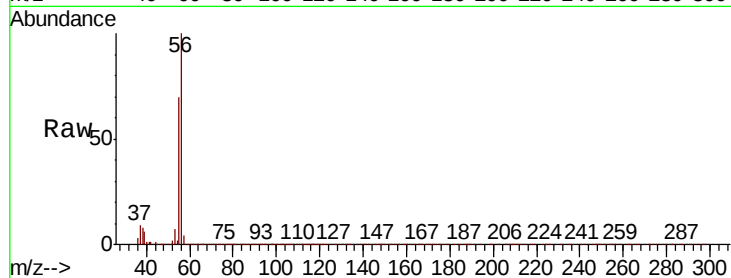
55 68.7 57.4 86.0

Manual Integrations

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#14

Allyl chloride

Concen: 50.693 ug/l

RT: 2.72 min Scan# 300

Delta R.T. -0.00 min

Lab File: VX013446.D

Acq: 15 Nov 2019 15:12

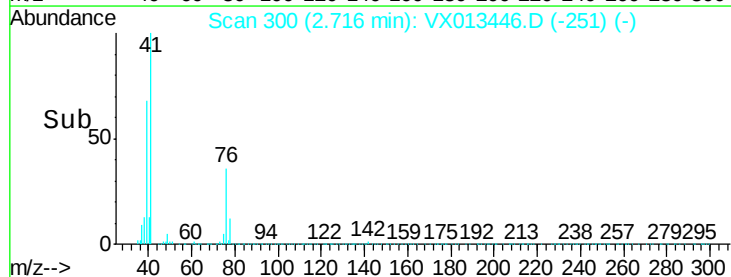
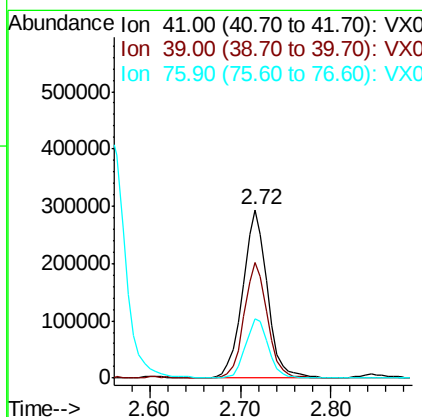
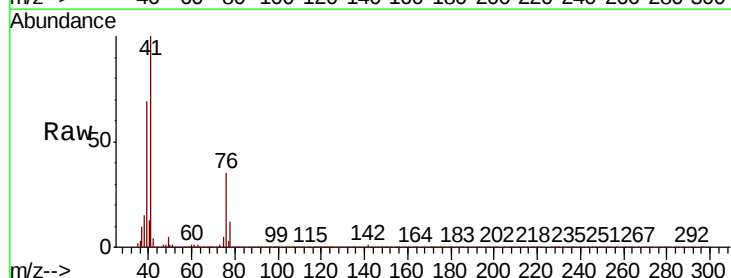
Tgt Ion: 41 Resp: 549444

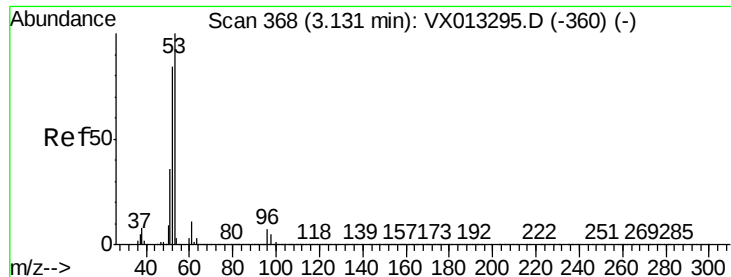
Ion Ratio Lower Upper

41 100

39 64.6 55.8 83.8

76 32.7 26.4 39.6





#15

Acrylonitrile

Concen: 261.164 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX013446.D

Acq: 15 Nov 2019 15:12

Instrument :

MSVOA_X

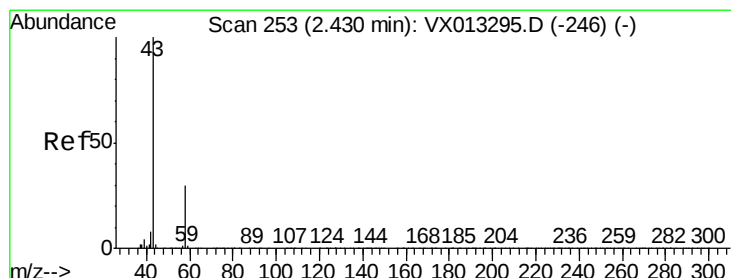
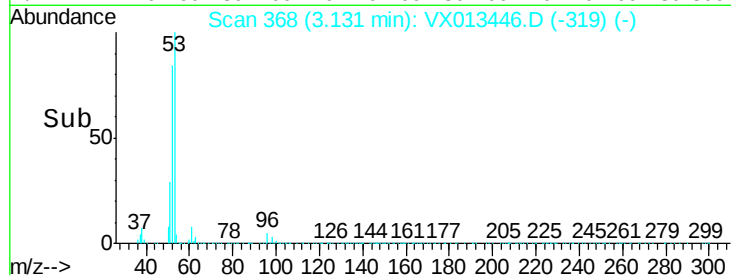
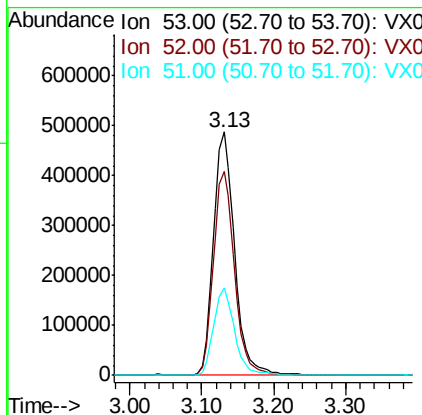
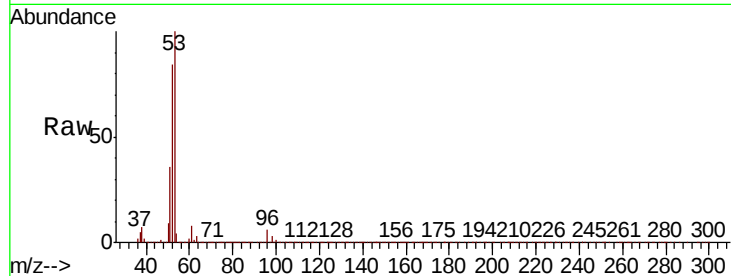
ClientSampleId :

S36-0162MSD

Tot Ion:	53	Resp:	990642
Ion Ratio		Lower	Upper
53	100		
52	83.3	67.4	101.0
51	35.5	29.4	44.2

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#16

Acetone

Concen: 216.471 ug/l

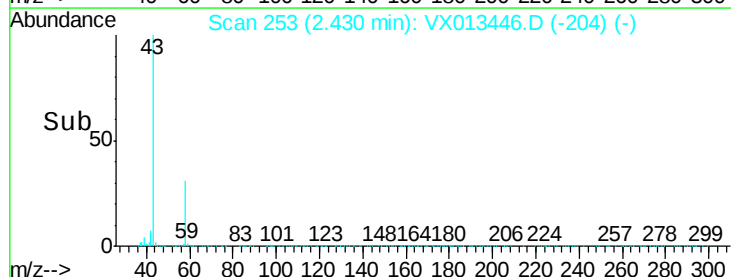
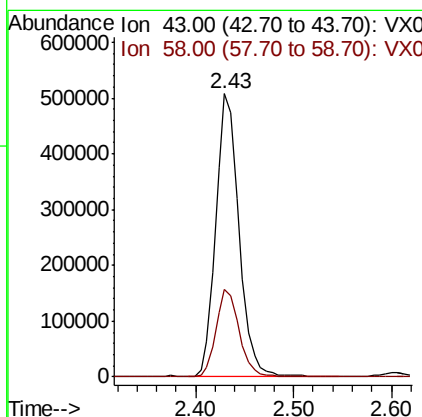
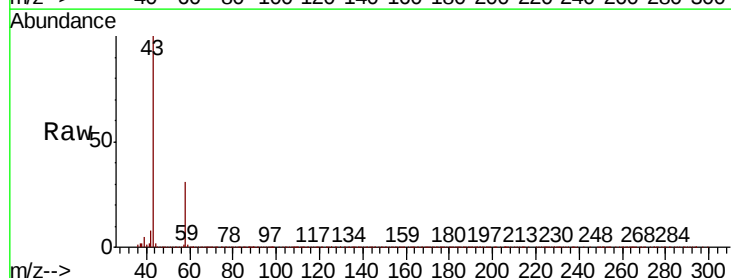
RT: 2.43 min Scan# 253

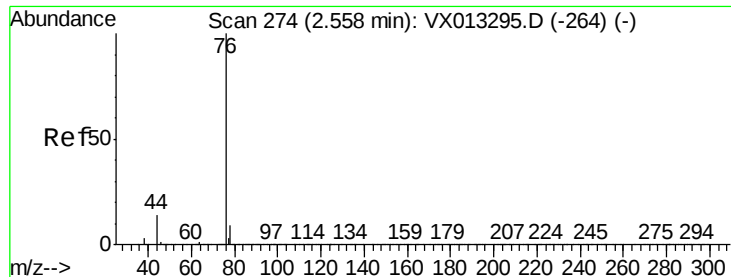
Delta R.T. -0.00 min

Lab File: VX013446.D

Acq: 15 Nov 2019 15:12

Tgt Ion:	43	Resp:	831868
Ion Ratio		Lower	Upper
43	100		
58	30.7	24.3	36.5





#17

Carbon Disulfide

Concen: 46.193 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.00 min

Lab File: VX013446.D

Acq: 15 Nov 2019 15:12

Instrument :

MSVOA_X

ClientSampleId :

S36-0162MSD

Tot Ion: 76 Resp: 737536

Ion Ratio Lower Upper

76 100

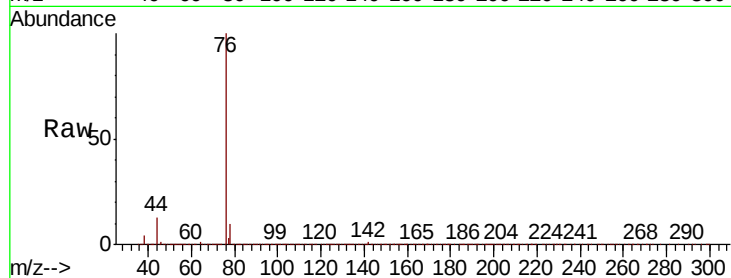
78 9.6 7.0 10.6

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

400000

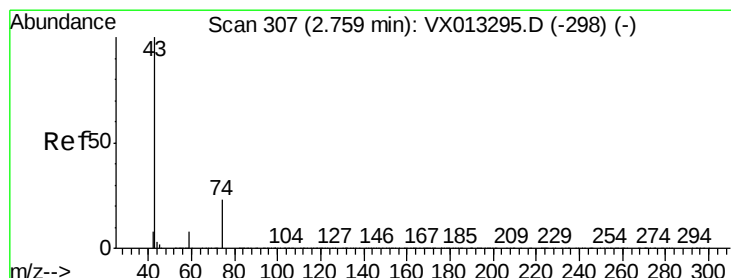
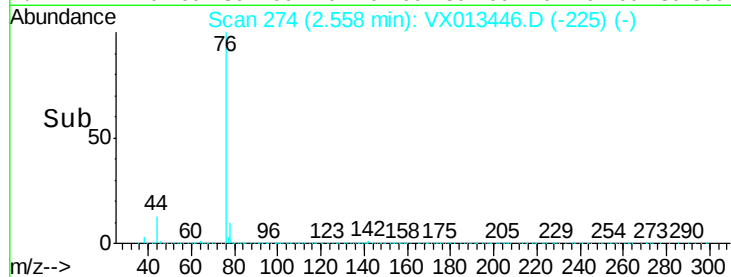
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 52.314 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.00 min

Lab File: VX013446.D

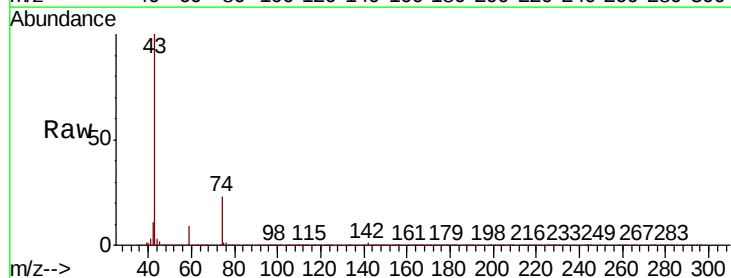
Acq: 15 Nov 2019 15:12

Tgt Ion: 43 Resp: 555015

Ion Ratio Lower Upper

43 100

74 24.1 19.0 28.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.76

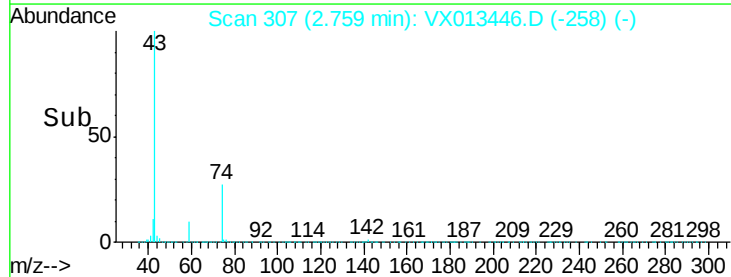
300000

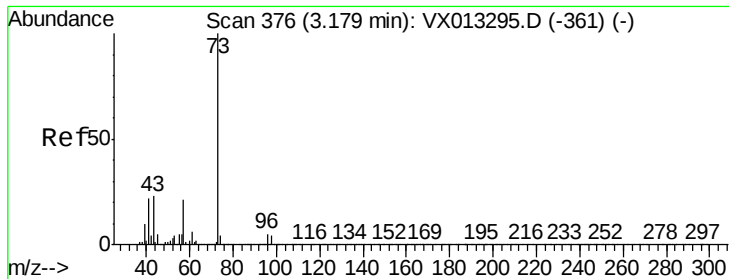
200000

100000

0

Time-->





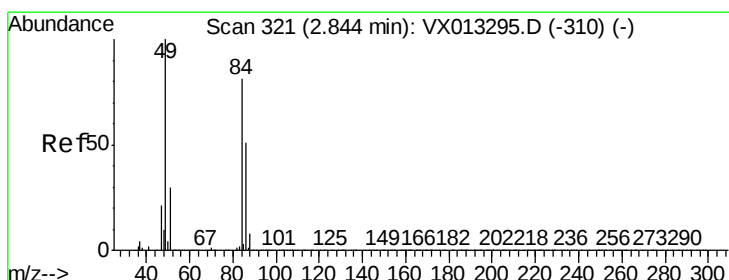
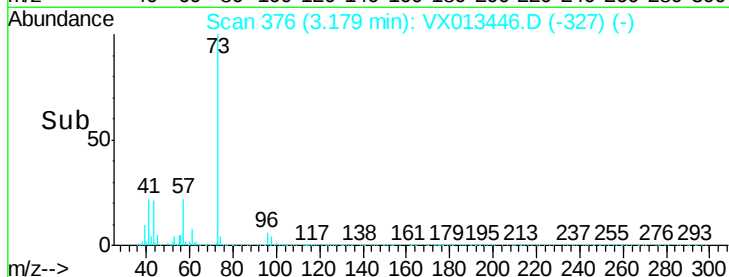
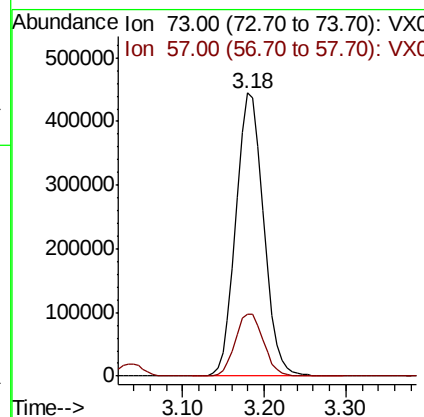
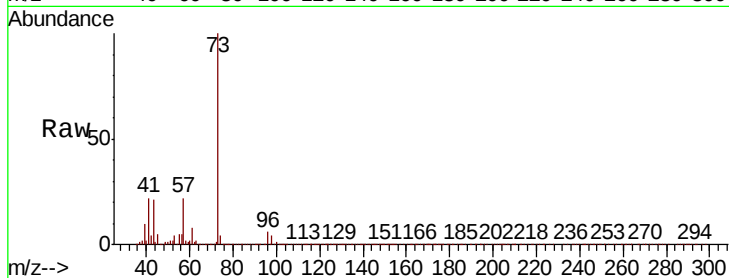
#19
Methvl tert-butvl Ether
Concen: 52.213 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.00 min
Lab File: VX013446.D
Acq: 15 Nov 2019 15:12

Instrument :
MSVOA_X
ClientSampleId :
S36-0162MSD

Tot Ion: 73 Resp: 1038840
Ion Ratio Lower Upper
73 100
57 21.9 17.1 25.7

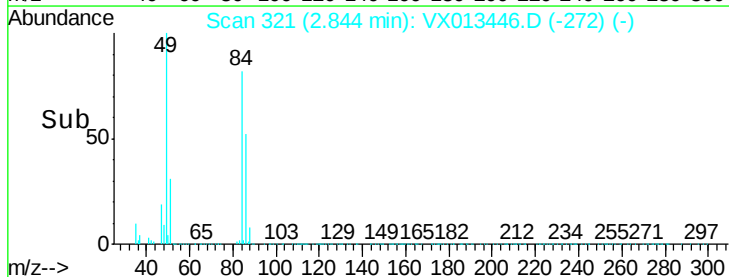
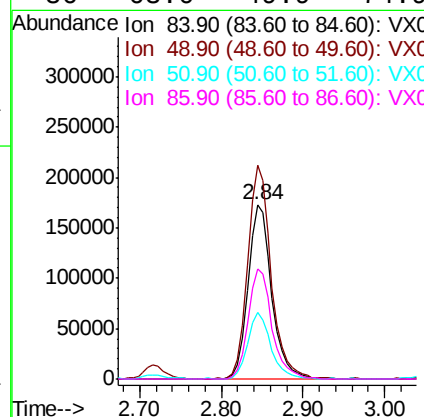
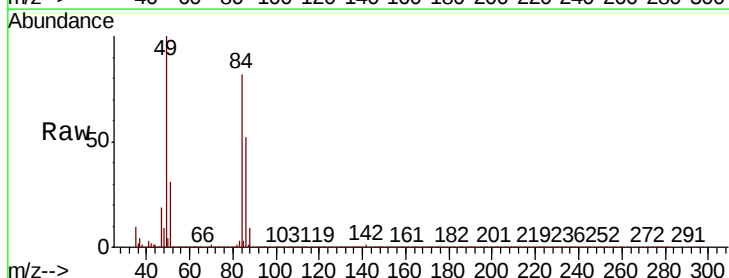
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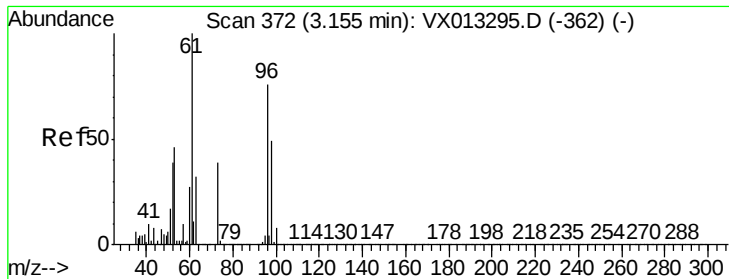
MMDadoda
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#20
Methylene Chloride
Concen: 48.927 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX013446.D
Acq: 15 Nov 2019 15:12

Tgt Ion: 84 Resp: 347391
Ion Ratio Lower Upper
84 100
49 122.3 98.2 147.4
51 37.8 29.9 44.9
86 63.0 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 49.748 ug/l

RT: 3.15 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX013446.D

Acq: 15 Nov 2019 15:12

Instrument :

MSVOA_X

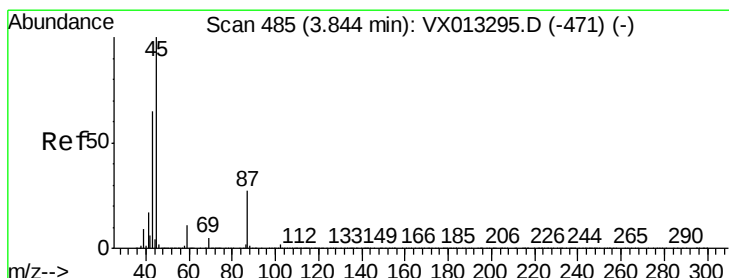
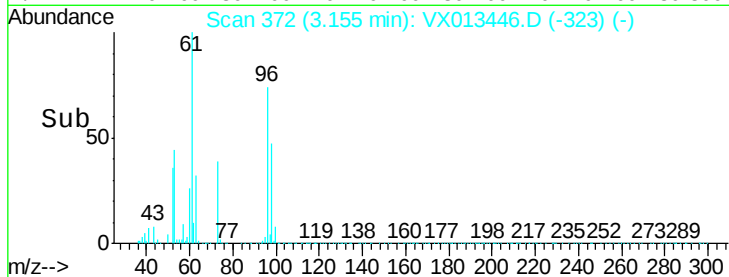
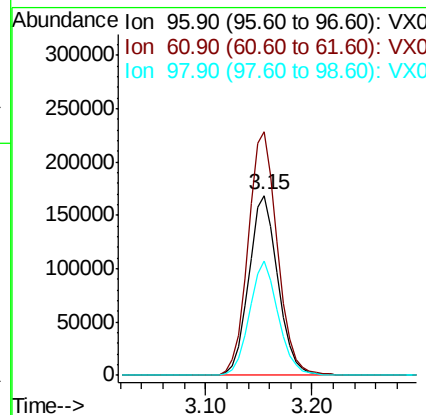
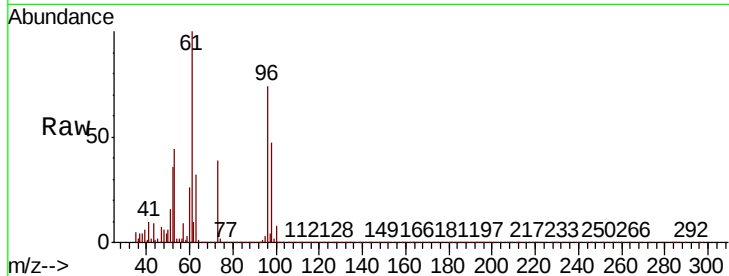
ClientSampleId :

S36-0162MSD

Tot Ion:	96	Resp:	323116
Ion Ratio	Lower	Upper	
96	100		
61	135.5	105.8	158.6
98	63.8	51.8	77.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 52.790 ug/l

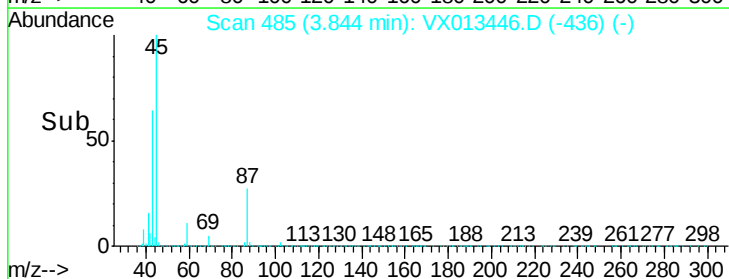
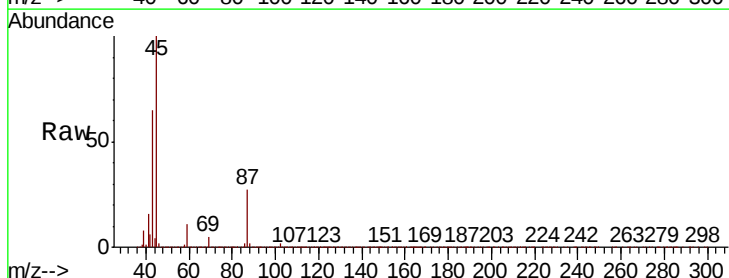
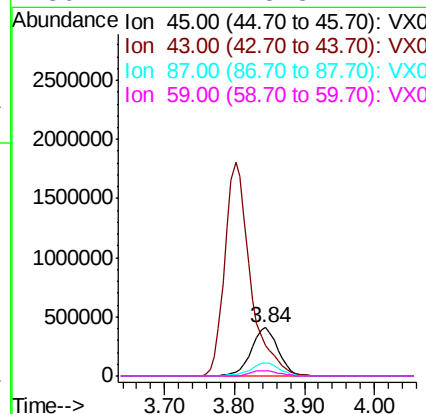
RT: 3.84 min Scan# 485

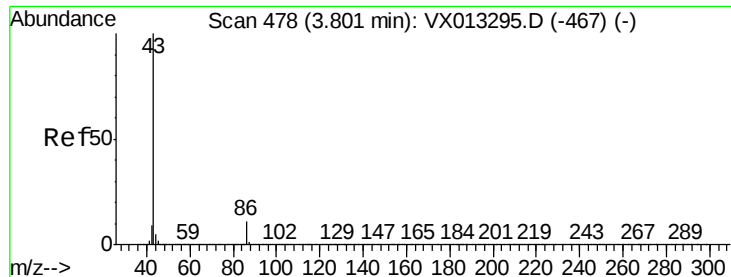
Delta R.T. -0.00 min

Lab File: VX013446.D

Acq: 15 Nov 2019 15:12

Tgt Ion:	45	Resp:	1104648
Ion Ratio	Lower	Upper	
45	100		
43	64.4	54.2	81.2
87	26.8	21.8	32.8
59	11.4	8.5	12.7





#23

Vinyl Acetate

Concen: 257.090 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.00 min

Lab File: VX013446.D

Acq: 15 Nov 2019 15:12

Instrument :

MSVOA_X

ClientSampleId :

S36-0162MSD

Tot Ion: 43 Resp: 4603402

Ion Ratio Lower Upper

43 100

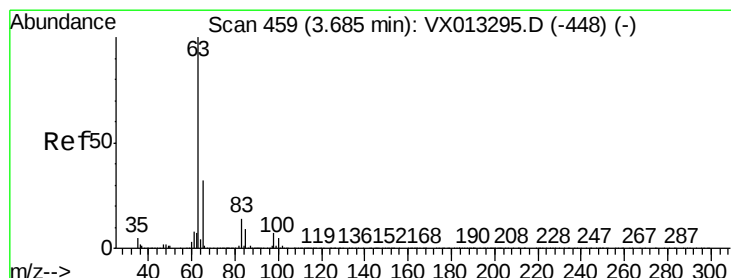
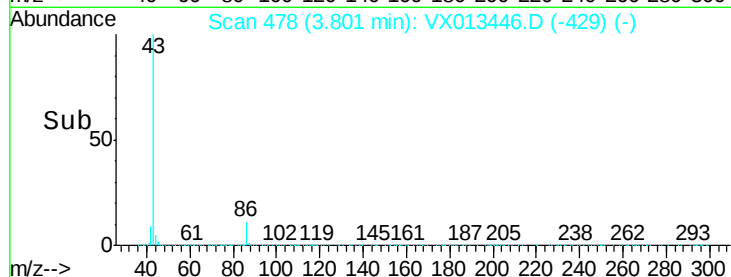
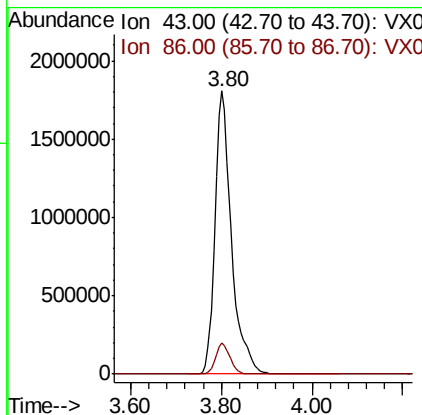
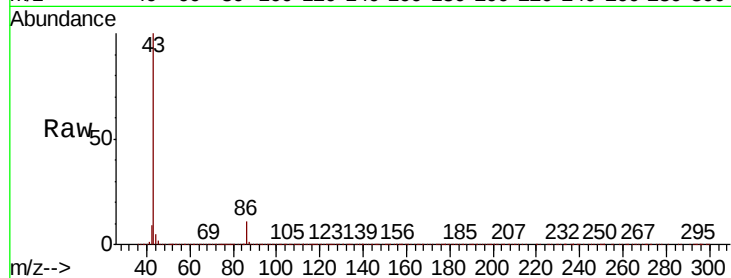
86 10.9 8.6 13.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 51.012 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX013446.D

Acq: 15 Nov 2019 15:12

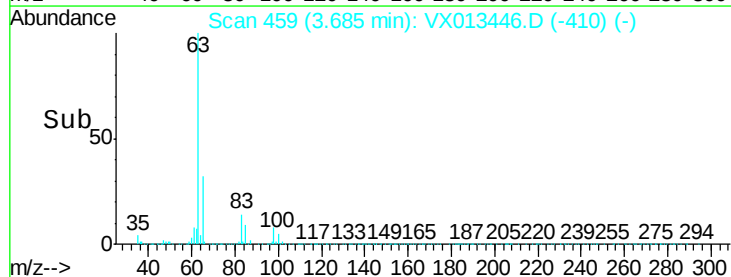
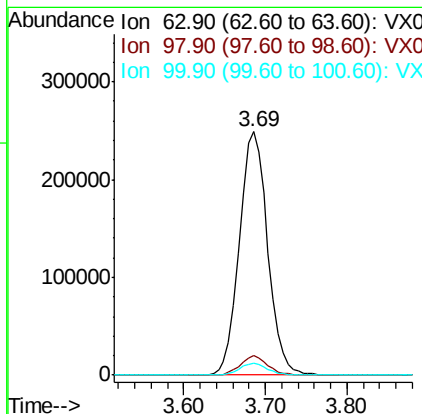
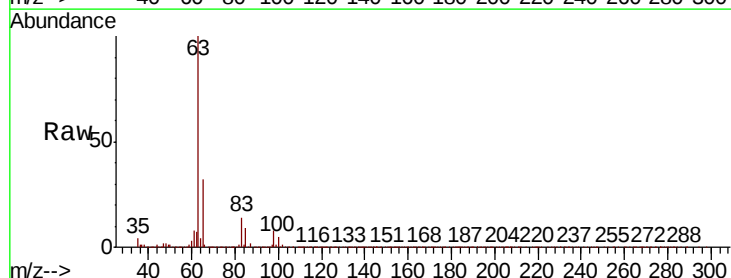
Tgt Ion: 63 Resp: 597140

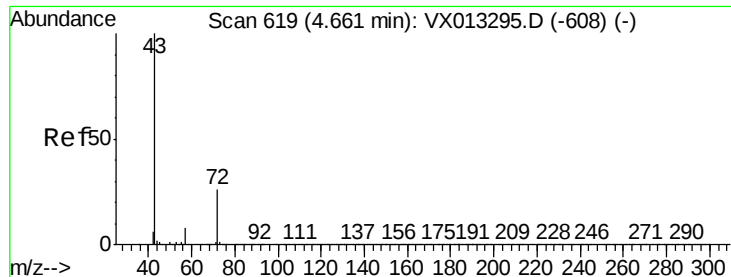
Ion Ratio Lower Upper

63 100

98 8.2 3.5 10.4

100 5.0 2.4 7.2





#25

2-Butanone

Concen: 246.131 ug/l

RT: 4.66 min Scan# 619

Delta R.T. -0.00 min

Lab File: VX013446.D

Acq: 15 Nov 2019 15:12

Instrument :

MSVOA_X

ClientSampleId :

S36-0162MSD

Tot Ion: 43 Resp: 1387574

Ion Ratio Lower Upper

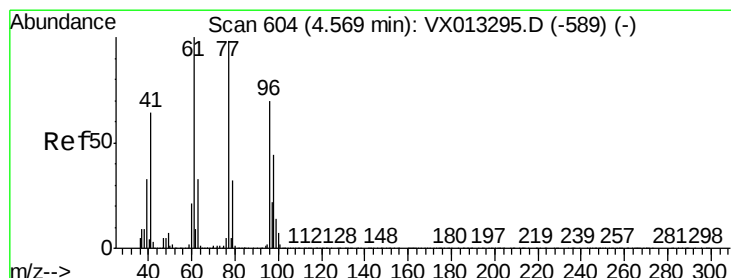
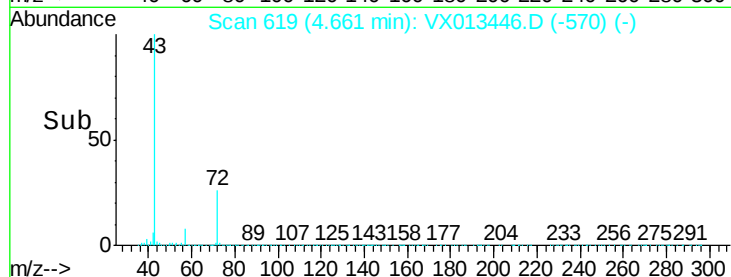
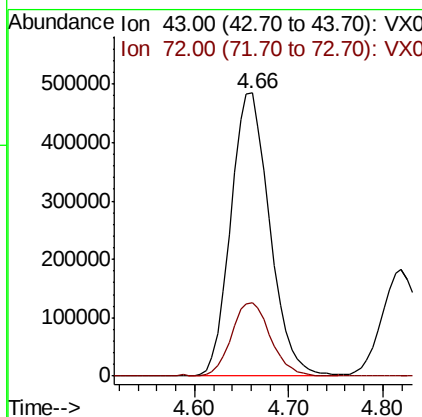
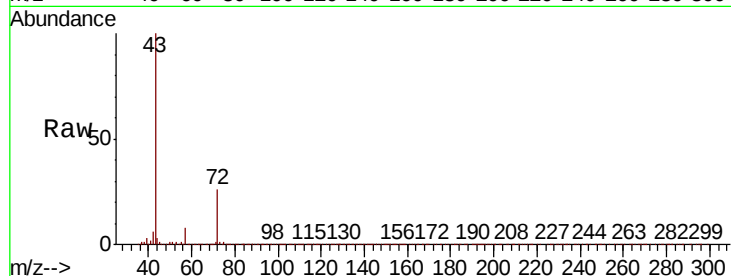
43 100

72 25.9 21.0 31.6

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 50.066 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX013446.D

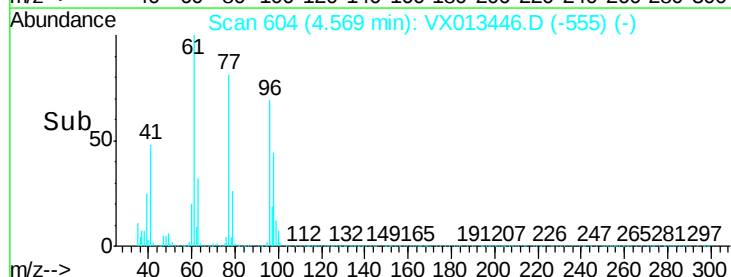
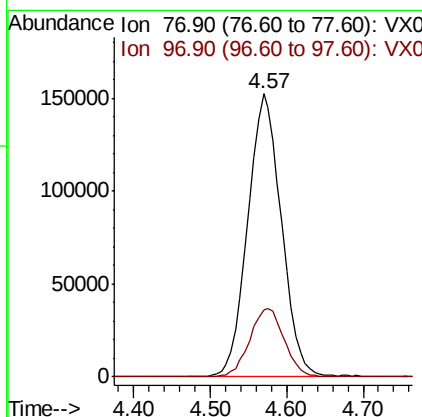
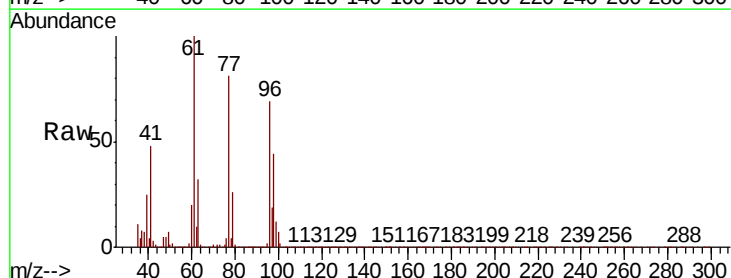
Acq: 15 Nov 2019 15:12

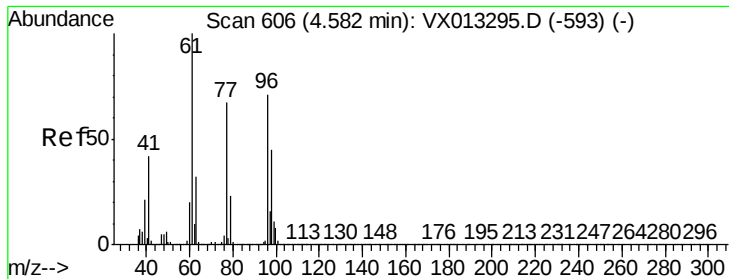
Tgt Ion: 77 Resp: 466231

Ion Ratio Lower Upper

77 100

97 24.8 11.3 33.8





#27

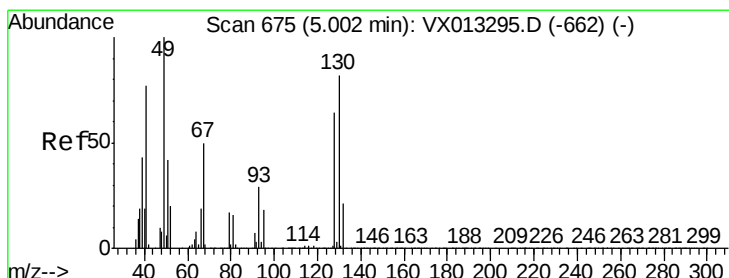
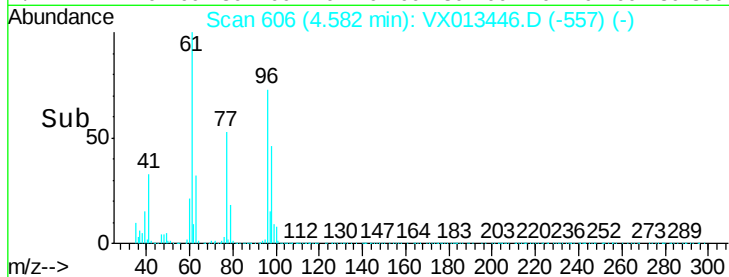
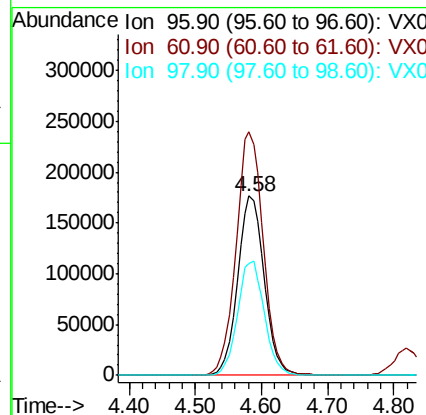
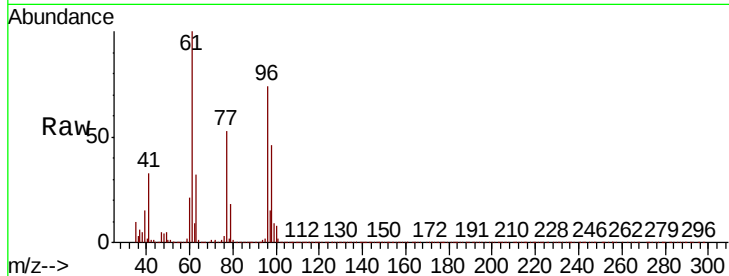
cis-1,2-Dichloroethene
Concen: 67.314 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.00 min
Lab File: VX013446.D
Acq: 15 Nov 2019 15:12

Instrument :
MSVOA_X
ClientSampleId :
S36-0162MSD

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.9	0.0	288.0
98	64.2	0.0	129.6

Manual Integrations
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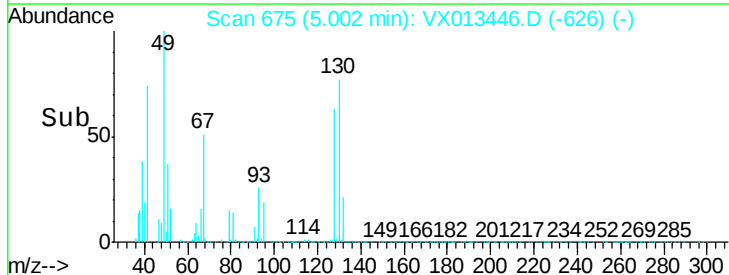
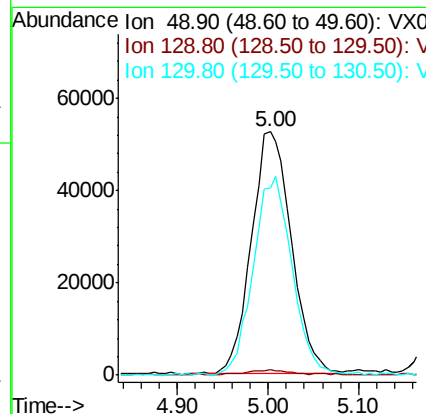
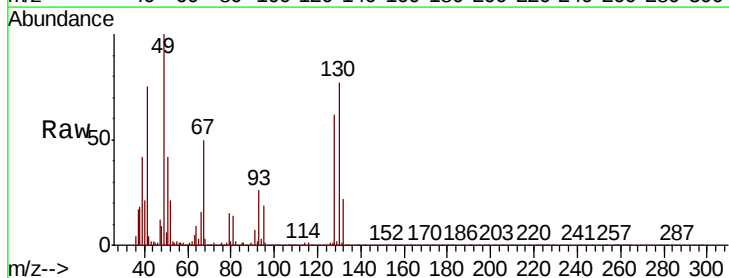
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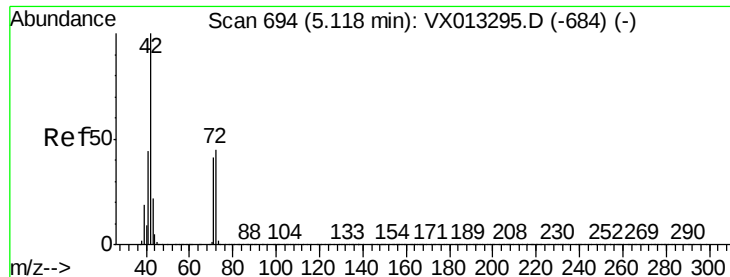


#28

Bromochloromethane
Concen: 48.253 ug/l
RT: 5.00 min Scan# 675
Delta R.T. -0.00 min
Lab File: VX013446.D
Acq: 15 Nov 2019 15:12

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	5.2
130	79.2	63.8	95.6





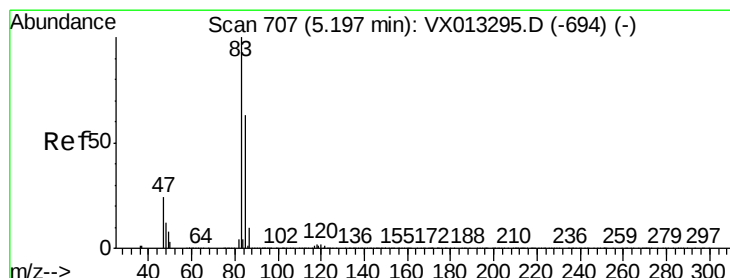
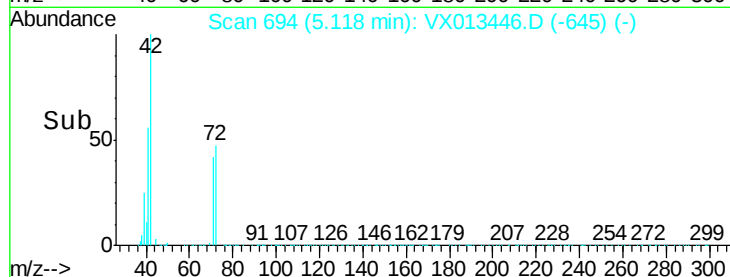
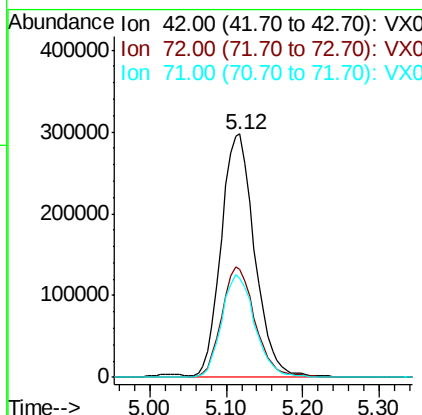
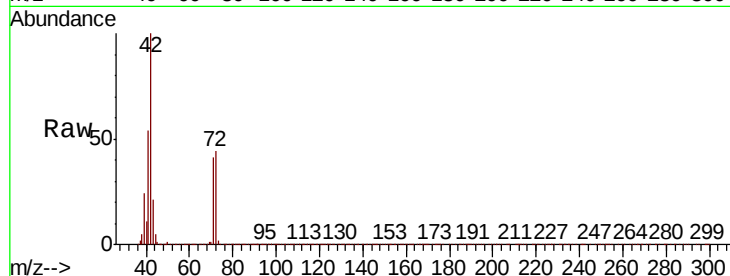
#29
Tetrahydrofuran
Concen: 258.222 ug/l
RT: 5.12 min Scan# 694
Delta R.T. -0.00 min
Lab File: VX013446.D
Acq: 15 Nov 2019 15:12

Instrument :
MSVOA_X
ClientSampleId :
S36-0162MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.4	35.8	53.8
71	41.9	33.4	50.0

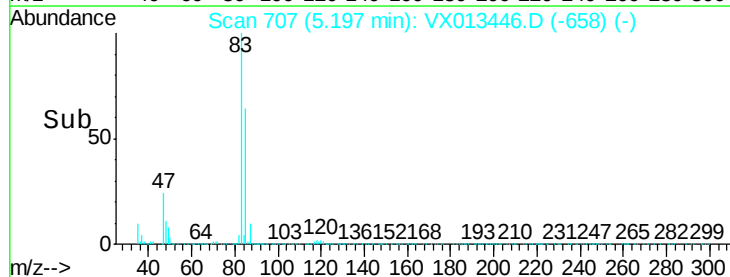
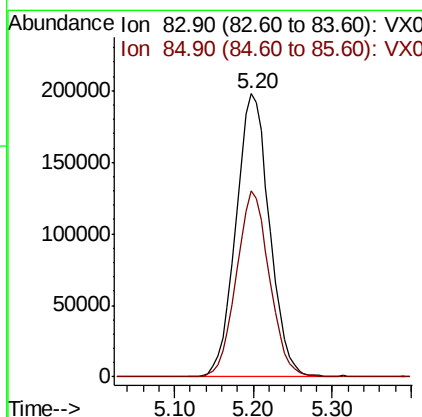
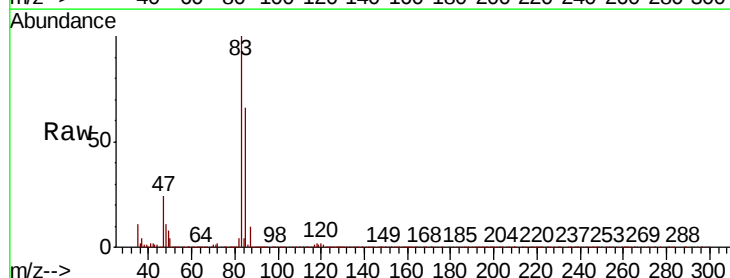
Manual Integrations
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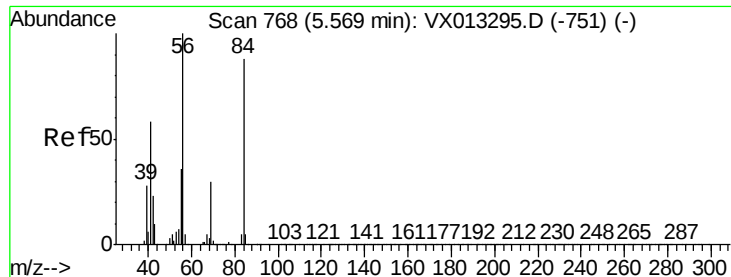
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#30
Chloroform
Concen: 50.560 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.00 min
Lab File: VX013446.D
Acq: 15 Nov 2019 15:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	50.2	75.4





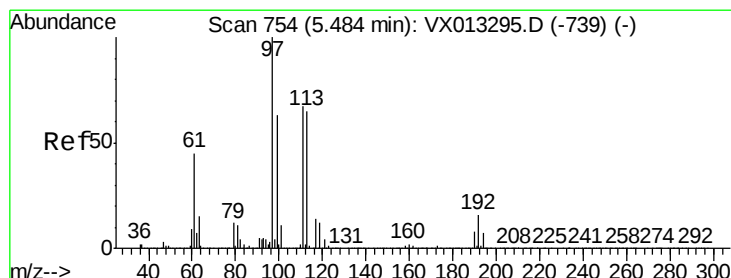
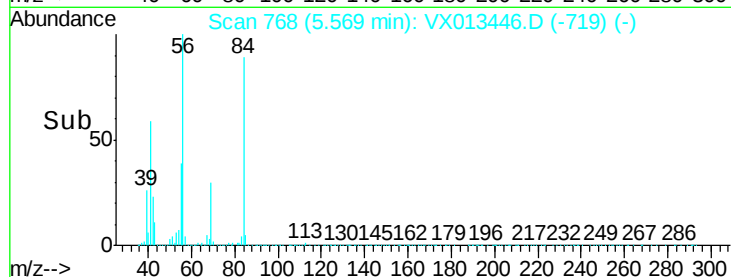
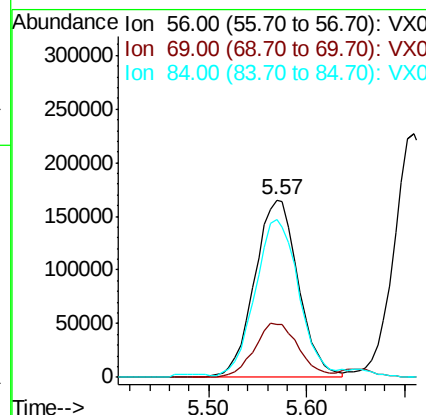
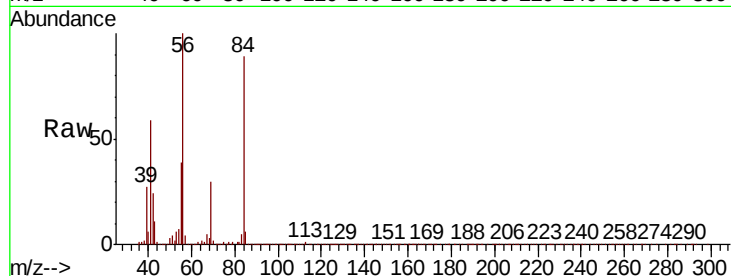
#31
Cyclohexane
Concen: 48.385 ug/l
RT: 5.57 min Scan# 768
Delta R.T. -0.00 min
Lab File: VX013446.D
Acq: 15 Nov 2019 15:12

Instrument :
MSVOA_X
ClientSampleId :
S36-0162MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.3	23.7	35.5
84	88.2	70.6	105.8

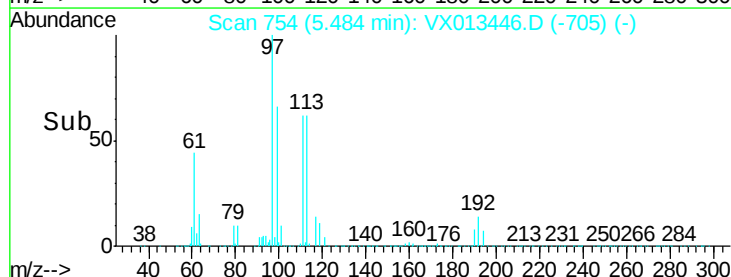
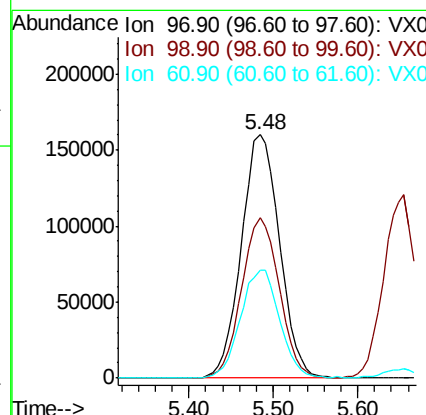
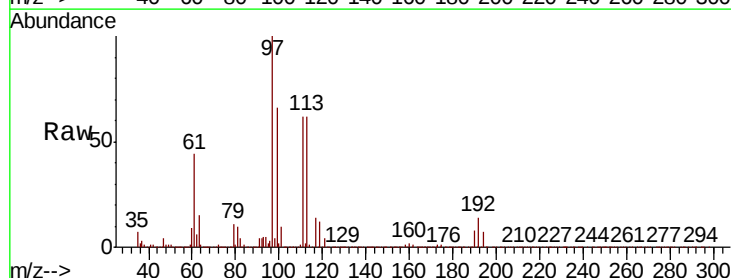
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#32
1,1,1-Trichloroethane
Concen: 49.441 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.00 min
Lab File: VX013446.D
Acq: 15 Nov 2019 15:12

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.1	76.7
61	45.4	36.5	54.7





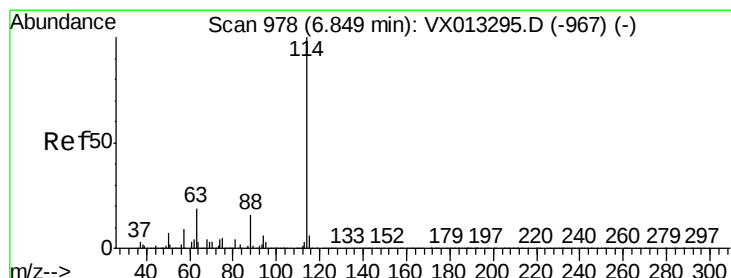
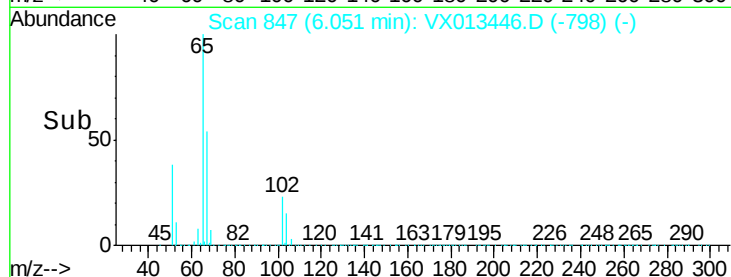
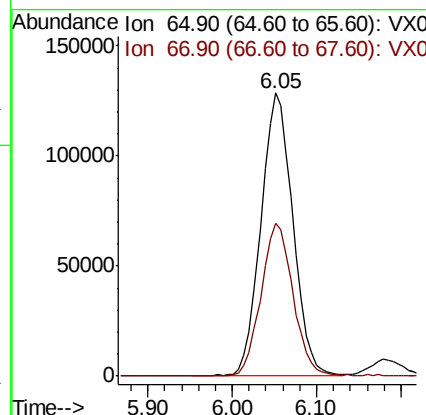
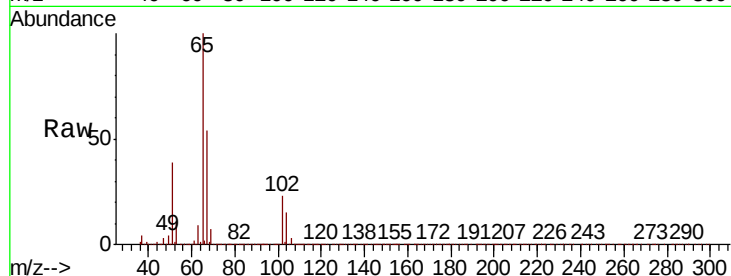
#33
 1,2-Dichloroethane-d4
 Concen: 43.249 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX013446.D
 Acq: 15 Nov 2019 15:12

Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0162MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100	333209		
67	53.8	0.0	104.2	

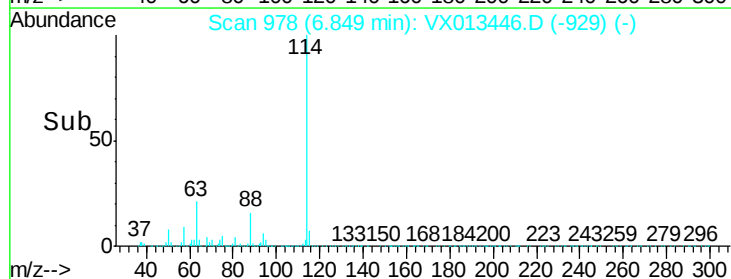
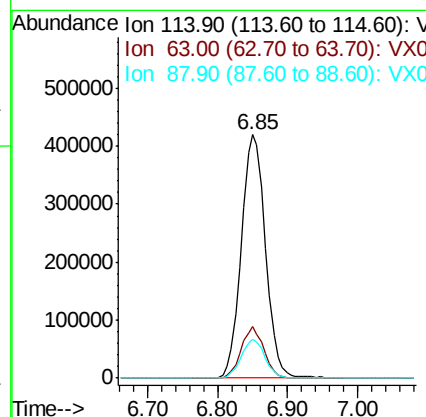
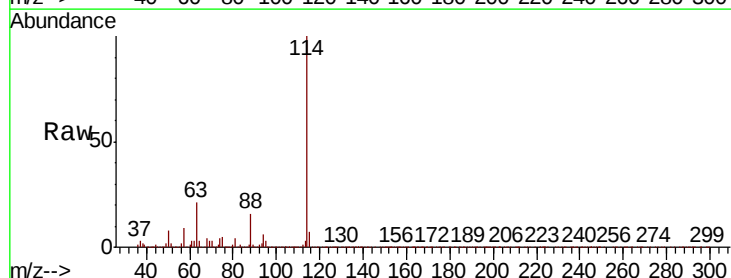
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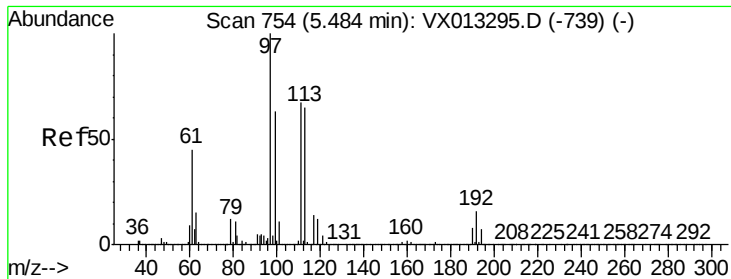
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013446.D
 Acq: 15 Nov 2019 15:12

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1005925		
63	21.0	0.0	38.4	
88	15.9	0.0	32.2	





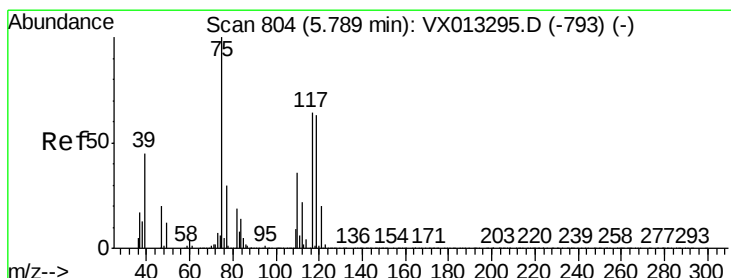
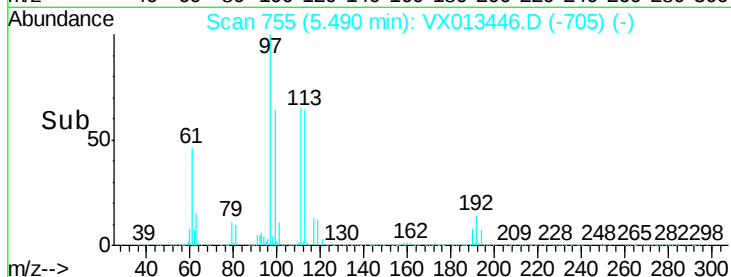
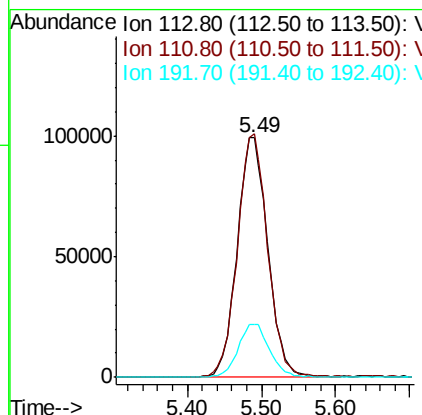
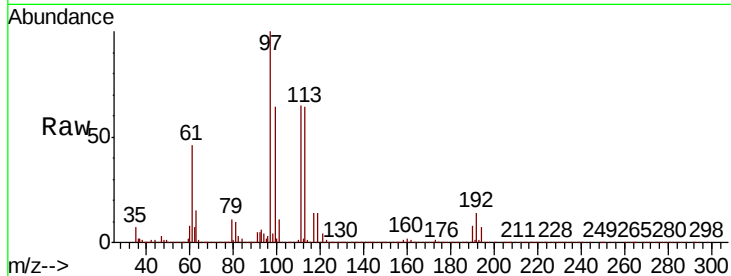
#35
Dibromofluoromethane
Concen: 45.259 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.01 min
Lab File: VX013446.D
Acq: 15 Nov 2019 15:12

Instrument :
MSVOA_X
ClientSampleId :
S36-0162MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100	285550		
111	100.5	81.9	122.9	
192	23.0	19.1	28.7	

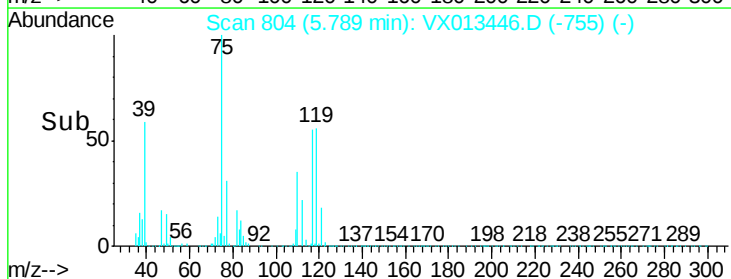
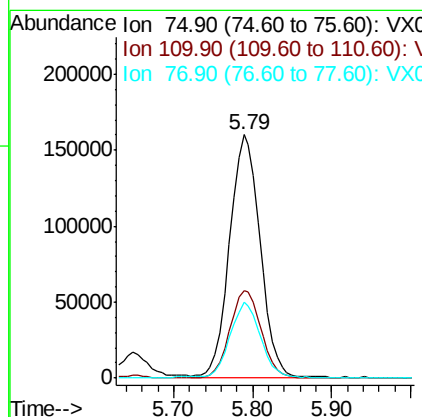
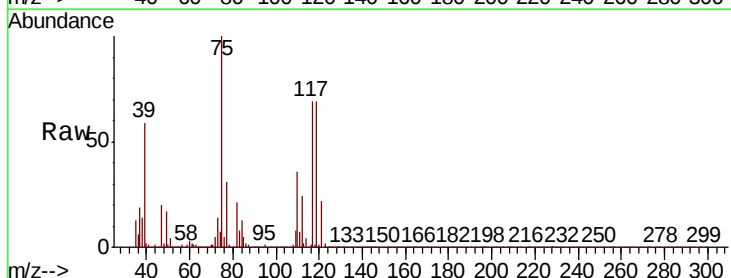
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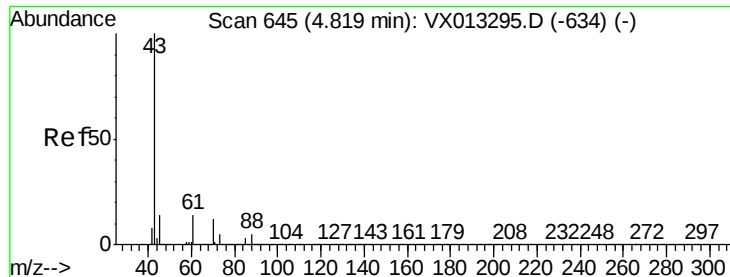
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#36
1,1-Dichloropropene
Concen: 49.626 ug/l
RT: 5.79 min Scan# 804
Delta R.T. -0.00 min
Lab File: VX013446.D
Acq: 15 Nov 2019 15:12

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	428249		
110	37.0	18.1	54.1	
77	30.3	25.0	37.4	





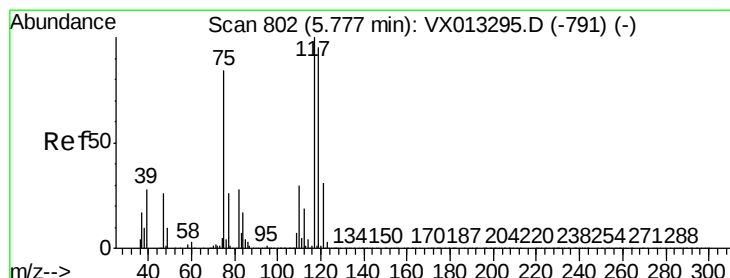
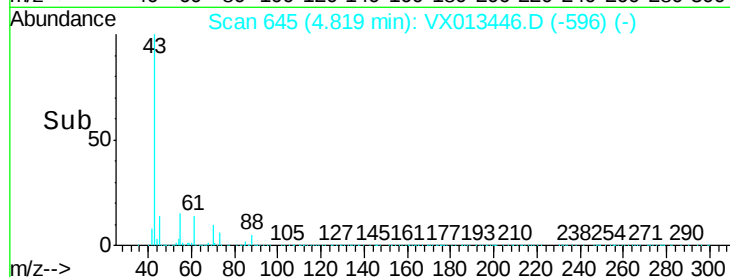
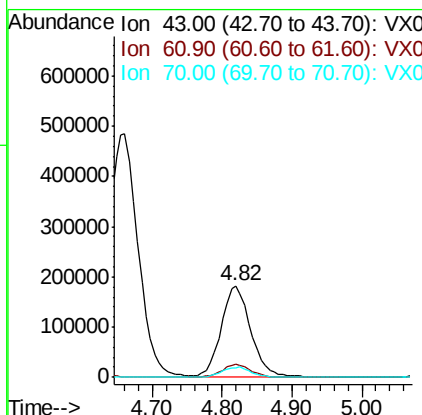
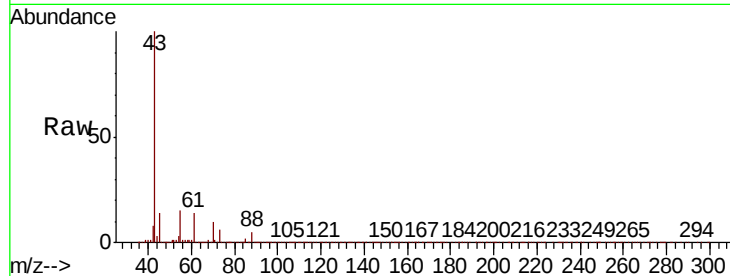
#37
Ethyl Acetate
Concen: 49.561 ug/l
RT: 4.82 min Scan# 645
Delta R.T. -0.00 min
Lab File: VX013446.D
Acq: 15 Nov 2019 15:12

Instrument :
MSVOA_X
ClientSampleId :
S36-0162MSD

Tot Ion	43	Resp	528479
Ion Ratio	Lower	Upper	
43	100		
61	13.5	10.7	16.1
70	11.3	8.7	13.1

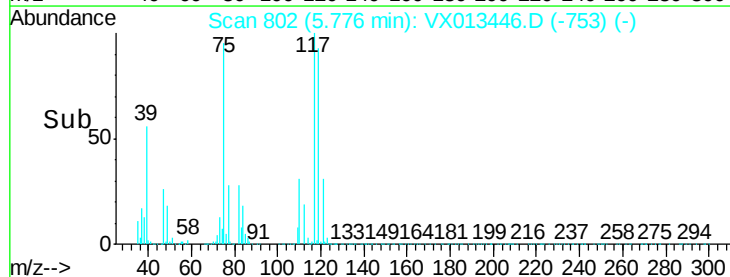
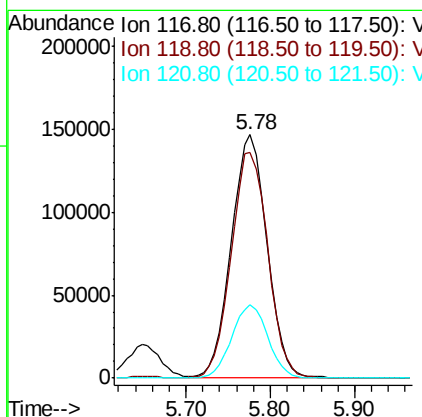
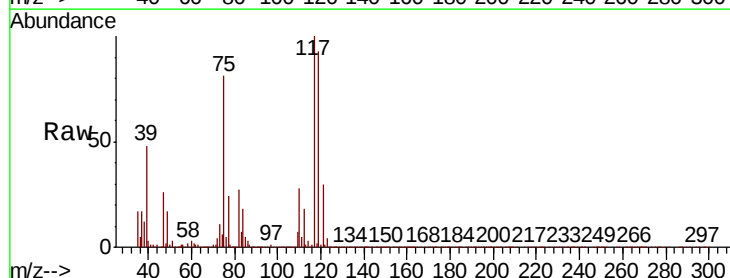
Manual Integrations
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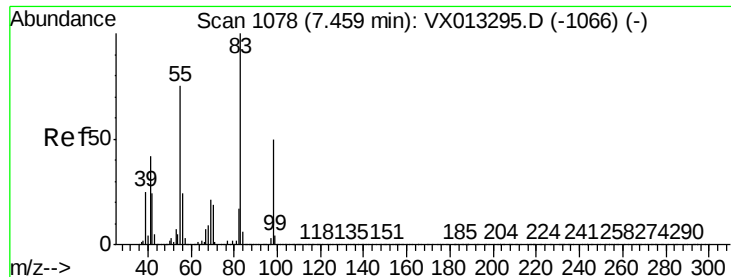
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#38
Carbon Tetrachloride
Concen: 49.833 ug/l
RT: 5.78 min Scan# 802
Delta R.T. -0.00 min
Lab File: VX013446.D
Acq: 15 Nov 2019 15:12

Tgt Ion	117	Resp	420526
Ion Ratio	Lower	Upper	
117	100		
119	92.4	76.1	114.1
121	30.1	24.6	37.0





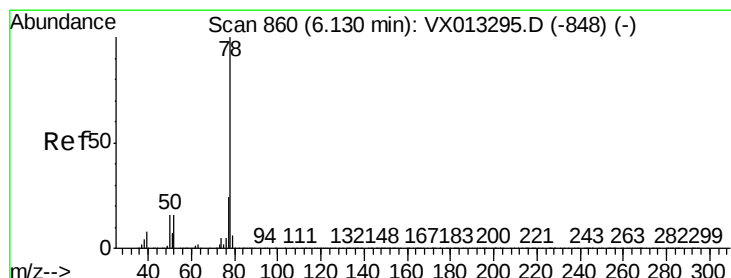
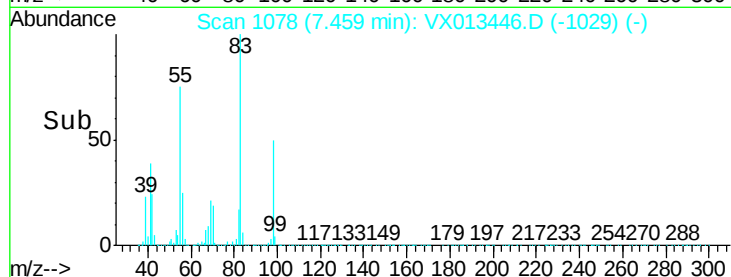
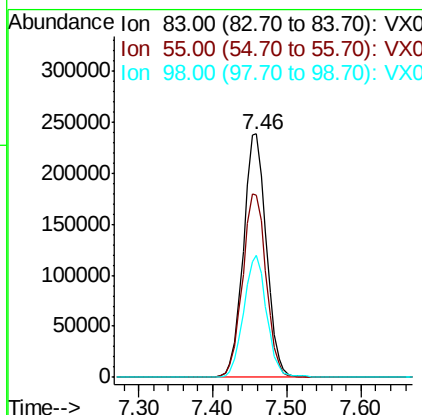
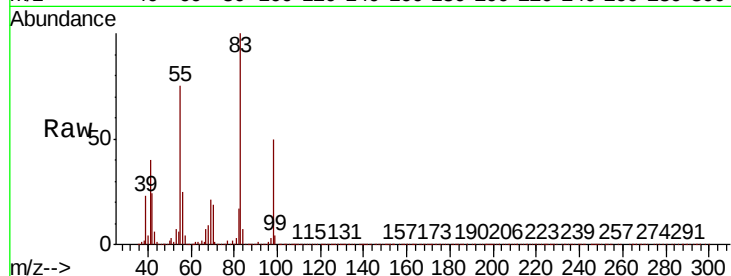
#39
Methvlcvclohexane
Concen: 48.125 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VX013446.D
Acq: 15 Nov 2019 15:12

Instrument :
MSVOA_X
ClientSampleId :
S36-0162MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.9	60.3	90.5
98	50.3	40.3	60.5

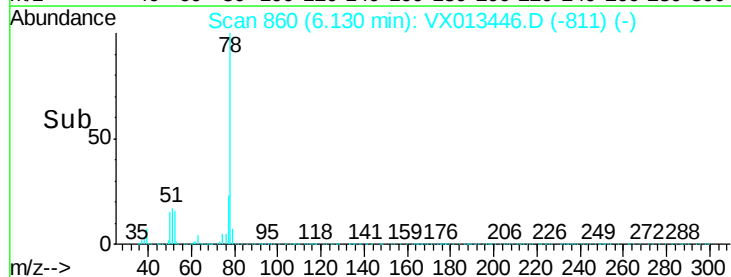
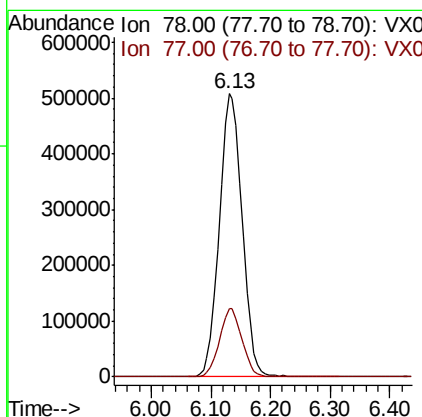
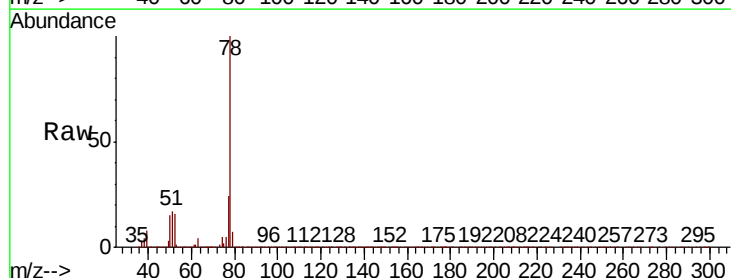
Manual Integrations
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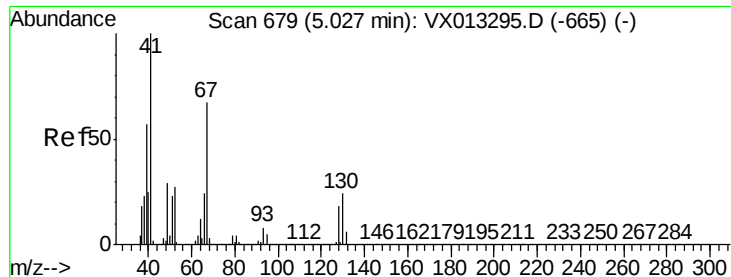
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#40
Benzene
Concen: 50.211 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.00 min
Lab File: VX013446.D
Acq: 15 Nov 2019 15:12

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.5	29.3





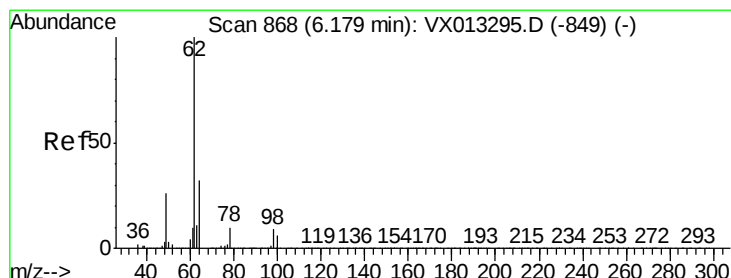
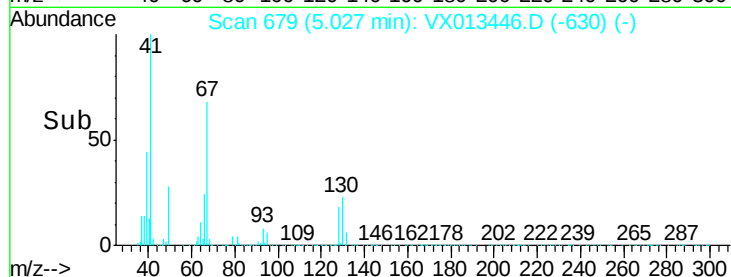
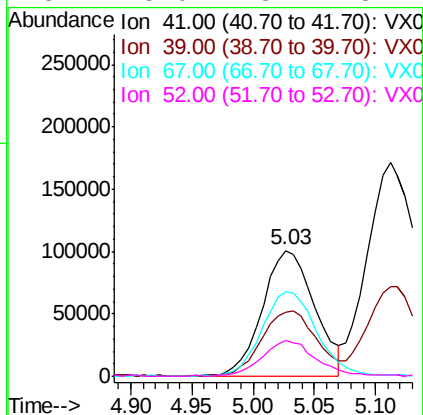
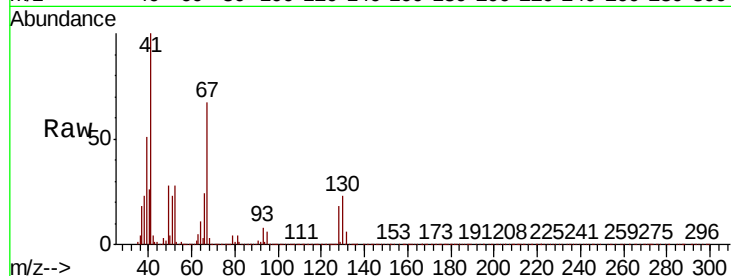
#41
Methacrylonitrile
Concen: 49.848 ug/l
RT: 5.03 min Scan# 679
Delta R.T. -0.00 min
Lab File: VX013446.D
Acq: 15 Nov 2019 15:12

Instrument :
MSVOA_X
ClientSampleId :
S36-0162MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		297928		
39	54.2	45.0	67.6		
67	71.2	55.4	83.2		
52	28.0	23.1	34.7		

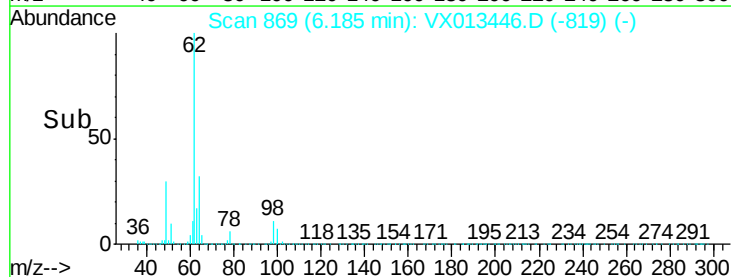
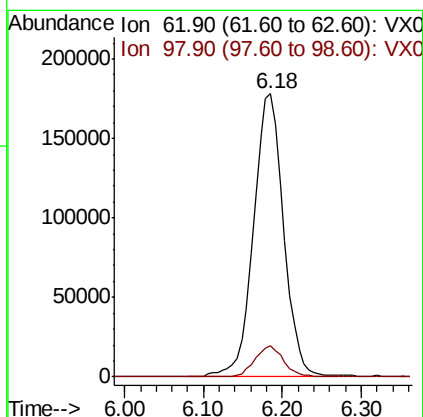
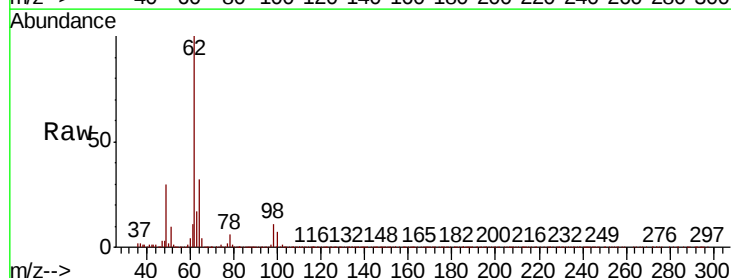
Manual Integrations
APPROVED

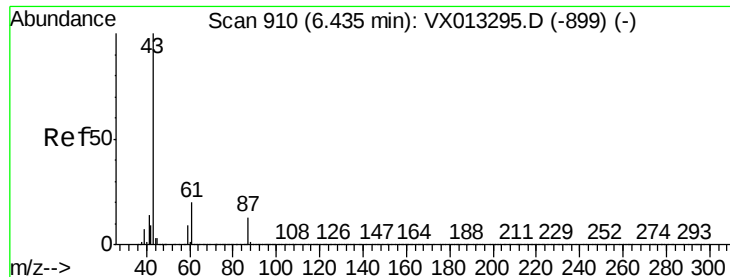
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#42
1,2-Dichloroethane
Concen: 48.340 ug/l
RT: 6.18 min Scan# 869
Delta R.T. 0.01 min
Lab File: VX013446.D
Acq: 15 Nov 2019 15:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		468713		
98	10.2	0.0	19.4		





#43

Isopropyl Acetate

Concen: 51.274 ug/l

RT: 6.43 min Scan# 910

Delta R.T. -0.00 min

Lab File: VX013446.D

Acq: 15 Nov 2019 15:12

Instrument :

MSVOA_X

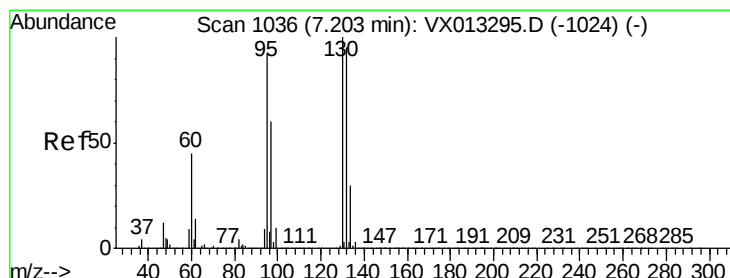
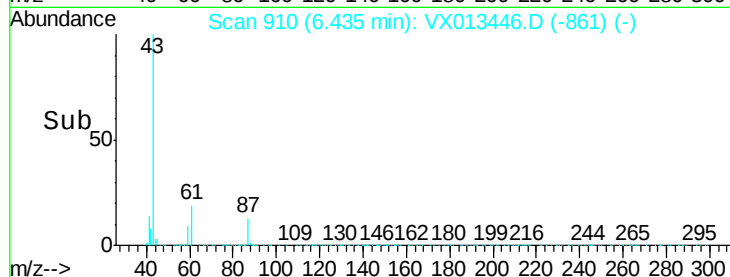
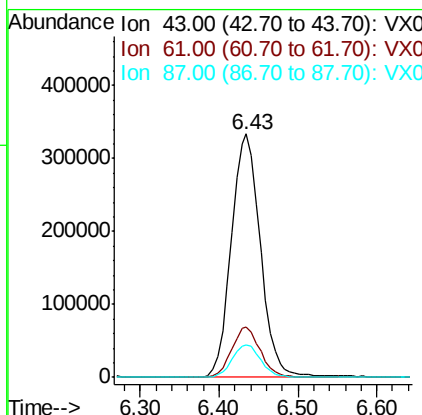
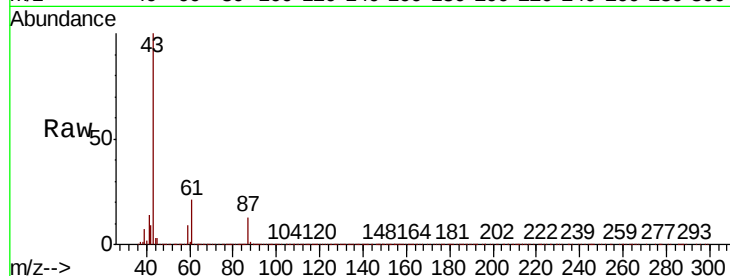
ClientSampleId :

S36-0162MSD

Tot Ion:	43	Resp:	851380
Ion	Ratio	Lower	Upper
43	100		
61	20.0	15.8	23.8
87	13.3	10.4	15.6

Manual Integrations
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#44

Trichloroethene

Concen: 48.067 ug/l

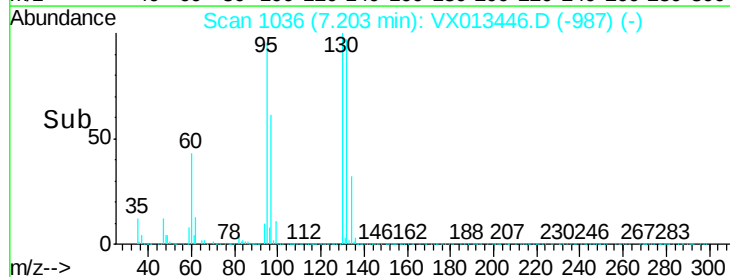
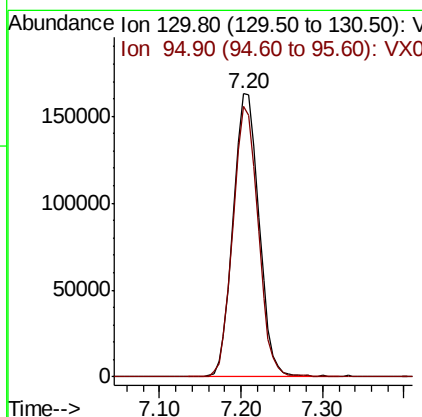
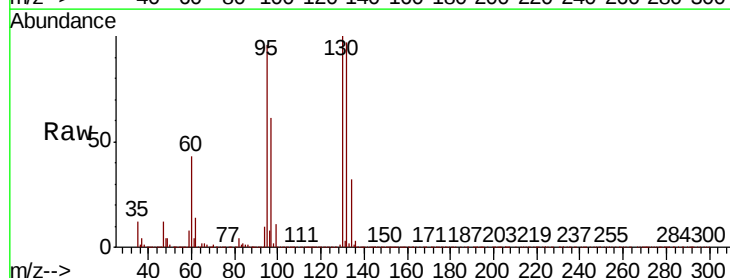
RT: 7.20 min Scan# 1036

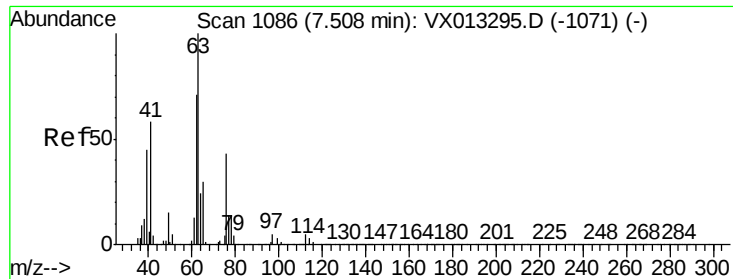
Delta R.T. -0.00 min

Lab File: VX013446.D

Acq: 15 Nov 2019 15:12

Tgt Ion:	130	Resp:	355667
Ion	Ratio	Lower	Upper
130	100		
95	95.5	0.0	184.8





#45

1,2-Dichloropropane

Concen: 51.391 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX013446.D

Acq: 15 Nov 2019 15:12

Instrument :

MSVOA_X

ClientSampleId :

S36-0162MSD

Tot Ion: 63 Resp: 351984

Ion Ratio Lower Upper

63 100

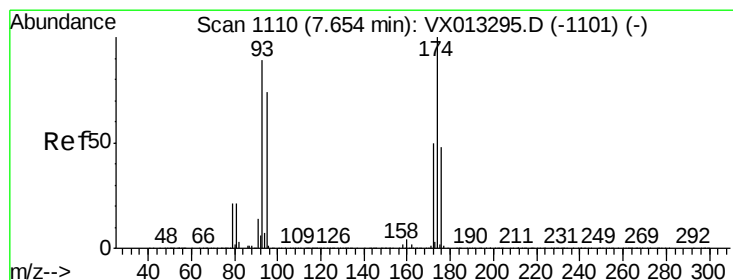
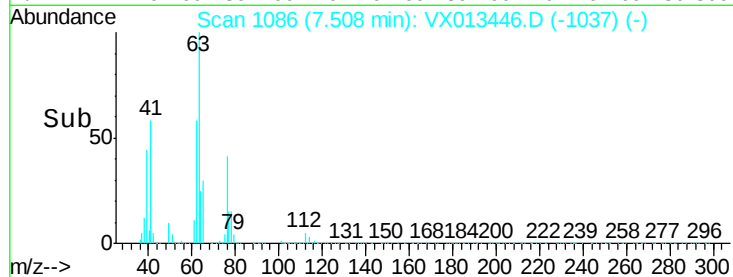
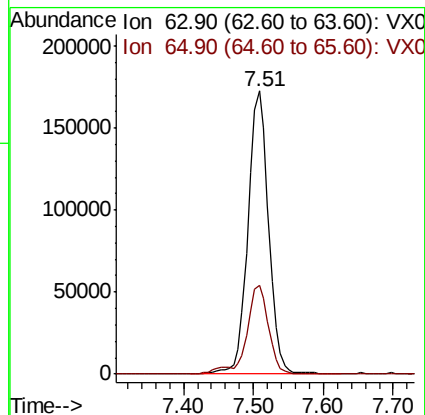
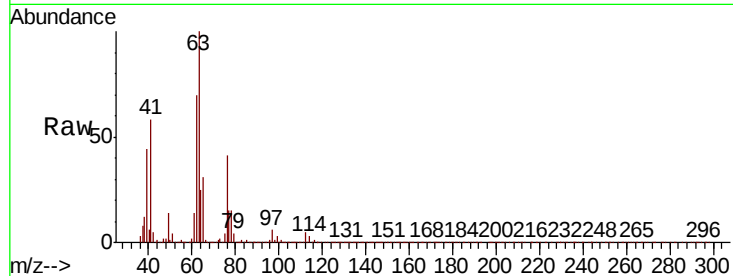
65 31.2 24.3 36.5

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#46

Dibromomethane

Concen: 49.307 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VX013446.D

Acq: 15 Nov 2019 15:12

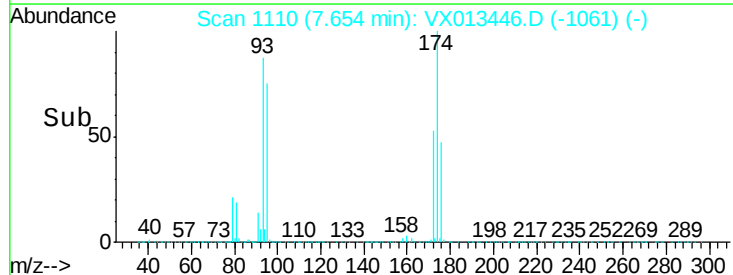
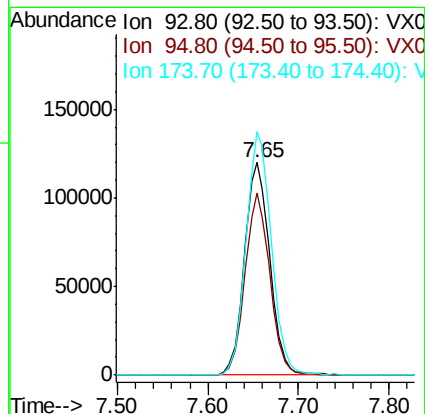
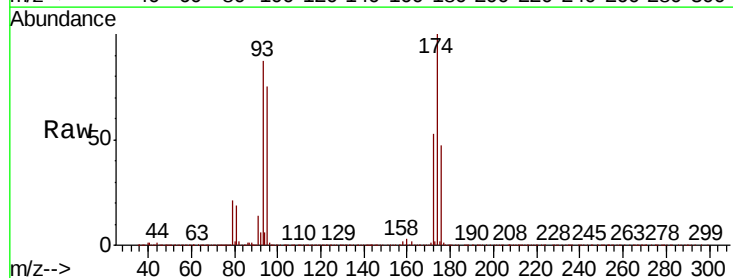
Tgt Ion: 93 Resp: 230580

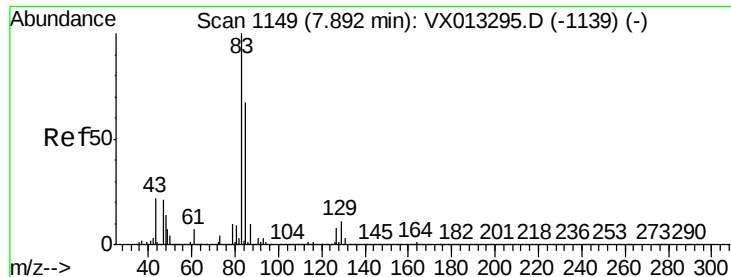
Ion Ratio Lower Upper

93 100

95 84.1 65.8 98.6

174 115.0 90.4 135.6





#47

Bromodichloromethane

Concen: 52.073 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX013446.D

Acq: 15 Nov 2019 15:12

Instrument :

MSVOA_X

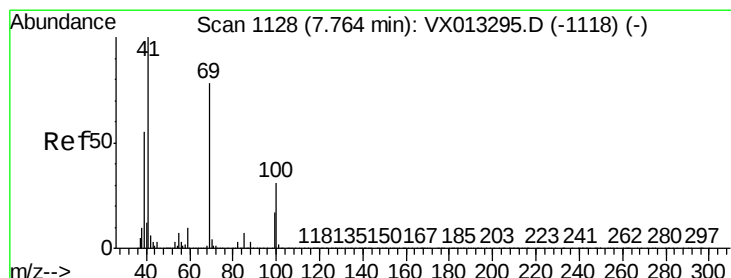
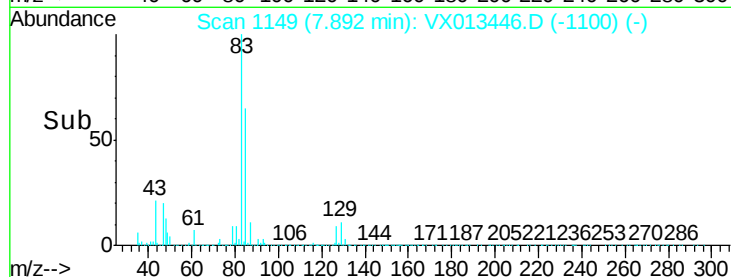
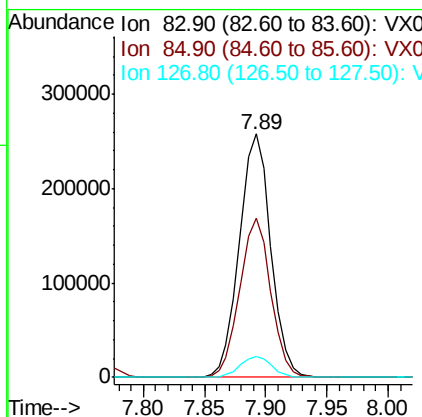
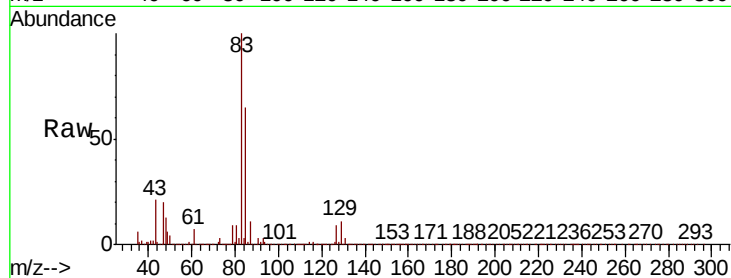
ClientSampleId :

S36-0162MSD

Tot Ion:	83	Resp:	459199
Ion Ratio	Lower	Upper	
83	100		
85	65.2	53.7	80.5
127	8.6	6.4	9.6

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#48

Methyl methacrylate

Concen: 52.252 ug/l

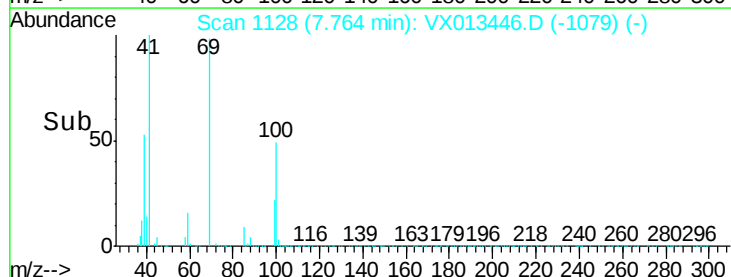
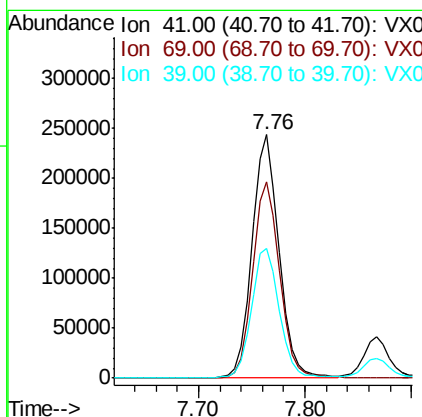
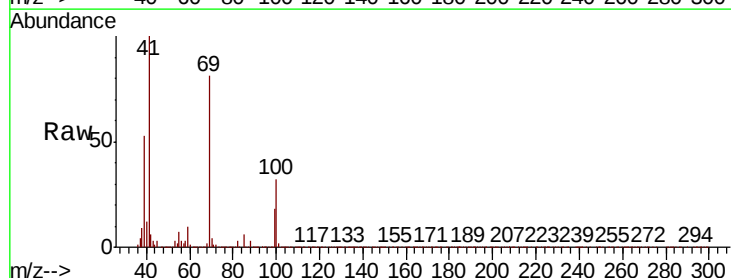
RT: 7.76 min Scan# 1128

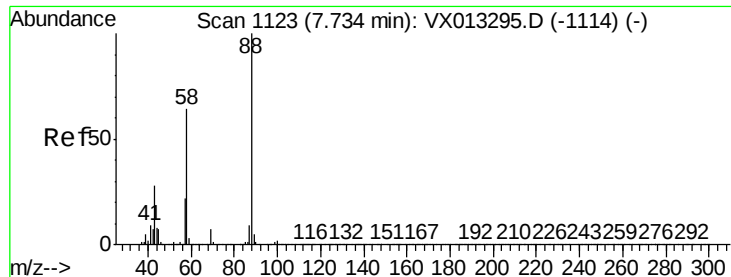
Delta R.T. -0.00 min

Lab File: VX013446.D

Acq: 15 Nov 2019 15:12

Tgt Ion:	41	Resp:	433102
Ion Ratio	Lower	Upper	
41	100		
69	81.3	63.0	94.6
39	54.7	45.9	68.9





#49

1,4-Dioxane

Concen: 900.709 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VX013446.D

Acq: 15 Nov 2019 15:12

Instrument :

MSVOA_X

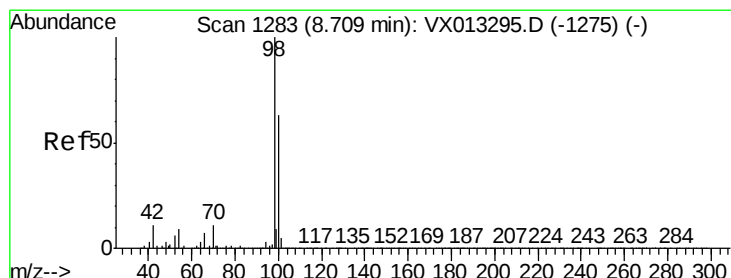
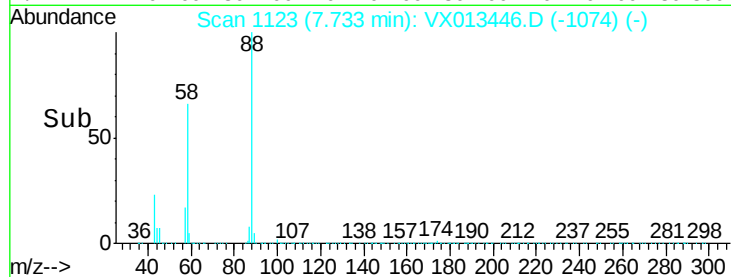
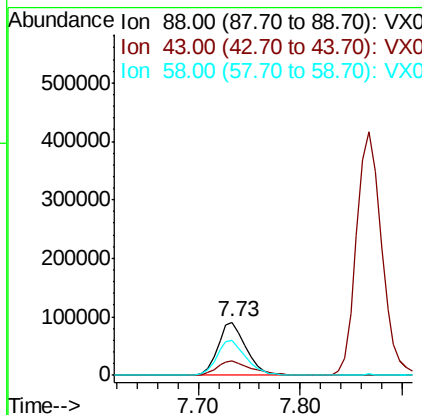
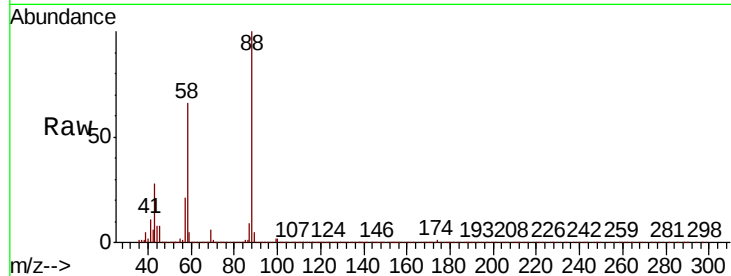
ClientSampleId :

S36-0162MSD

Tot Ion:	88	Resp:	170972
Ion Ratio	Lower	Upper	
88	100		
43	33.3	26.6	39.8
58	69.0	55.0	82.6

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#50

Toluene-d8

Concen: 44.682 ug/l

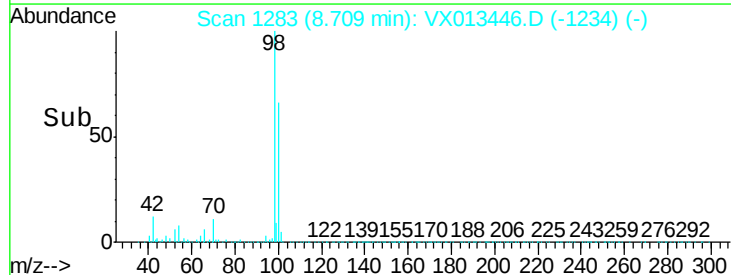
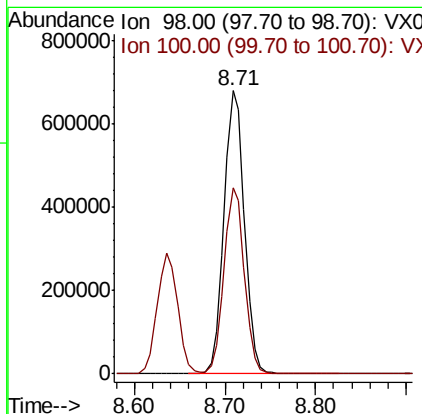
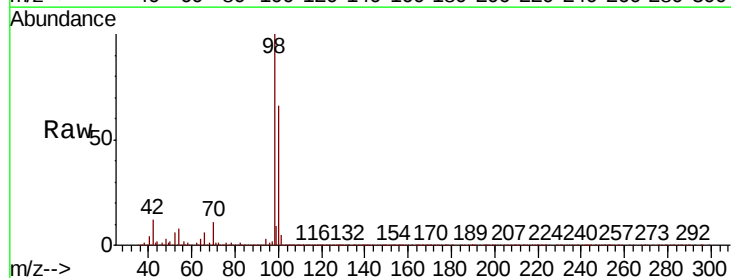
RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013446.D

Acq: 15 Nov 2019 15:12

Tgt Ion:	98	Resp:	1062789
Ion Ratio	Lower	Upper	
98	100		
100	65.5	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 253.014 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX013446.D

Acq: 15 Nov 2019 15:12

Instrument :

MSVOA_X

ClientSampleId :

S36-0162MSD

Tot Ion: 43 Resp: 2756350

Ion Ratio Lower Upper

43 100

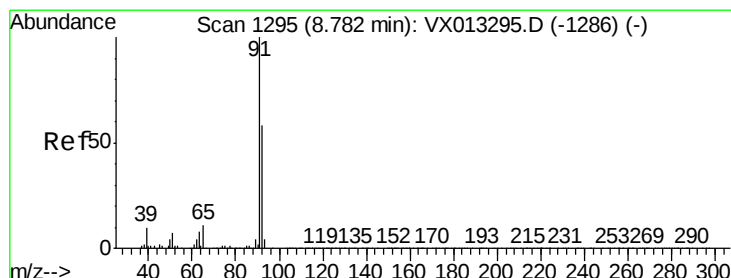
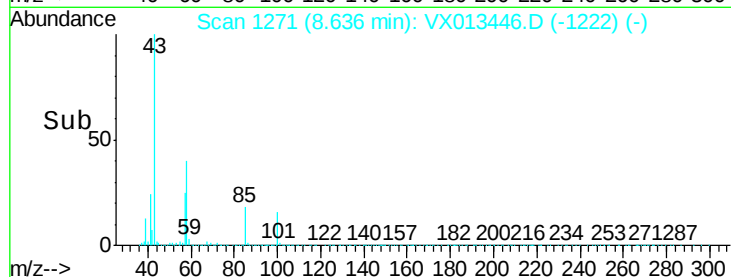
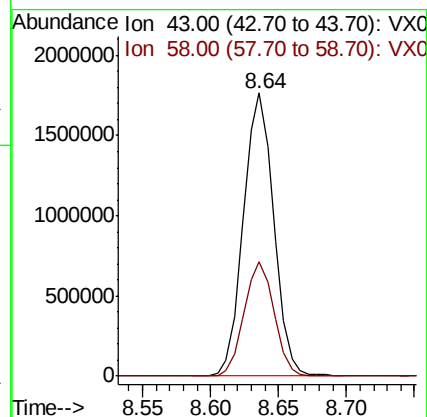
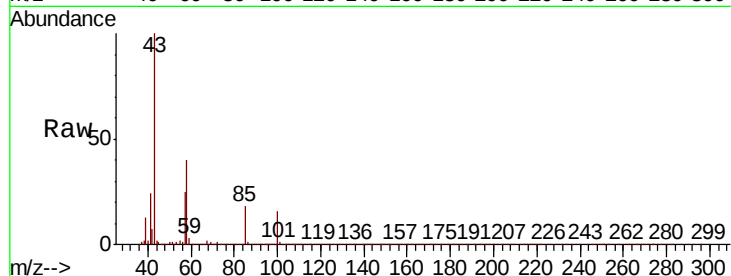
58 39.9 31.4 47.0

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#52

Toluene

Concen: 50.948 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VX013446.D

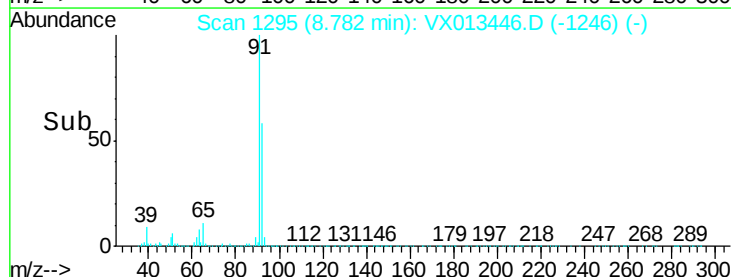
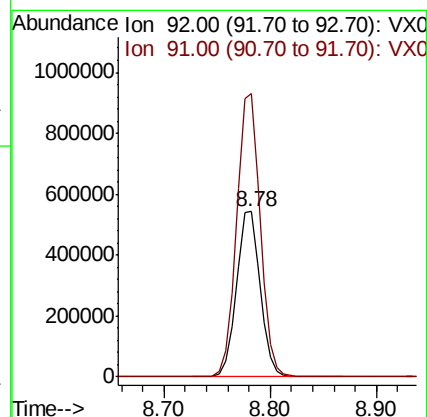
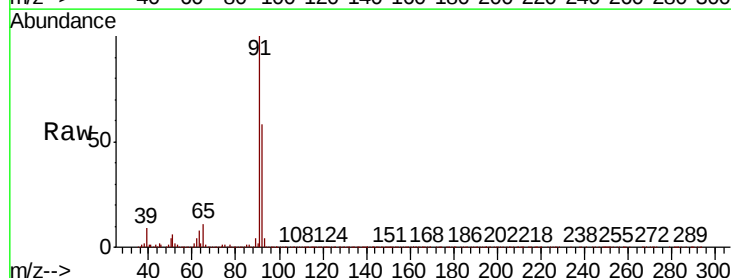
Acq: 15 Nov 2019 15:12

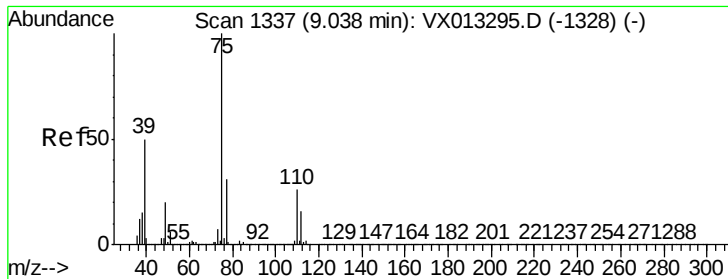
Tgt Ion: 92 Resp: 848820

Ion Ratio Lower Upper

92 100

91 170.5 138.0 207.0





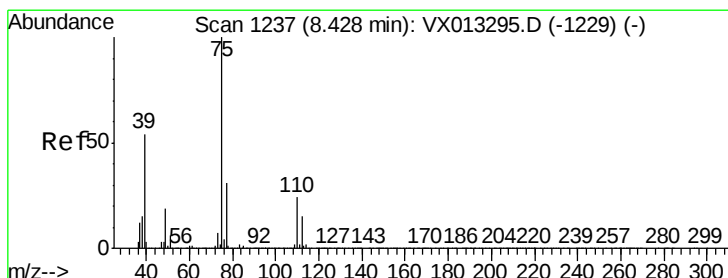
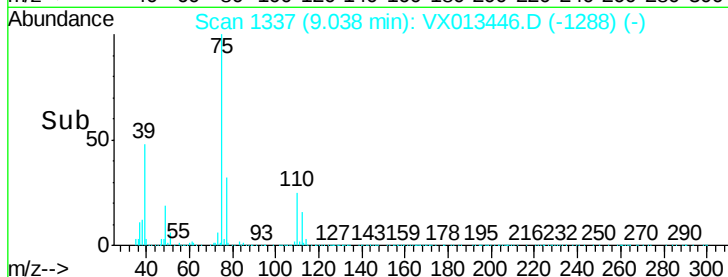
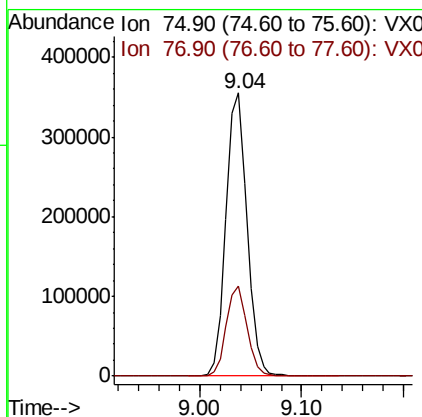
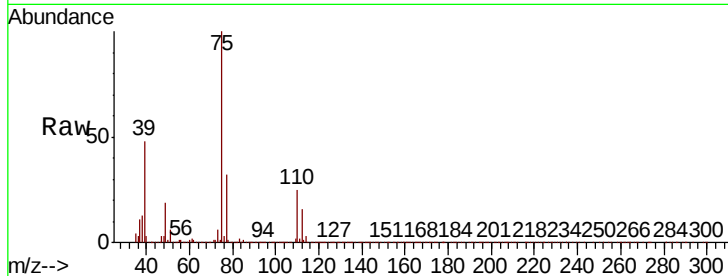
#53
t-1,3-Dichloropropene
Concen: 52.893 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VX013446.D
Acq: 15 Nov 2019 15:12

Instrument :
MSVOA_X
ClientSampleId :
S36-0162MSD

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.0	37.4

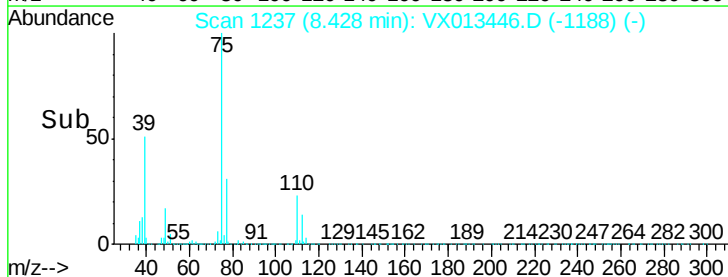
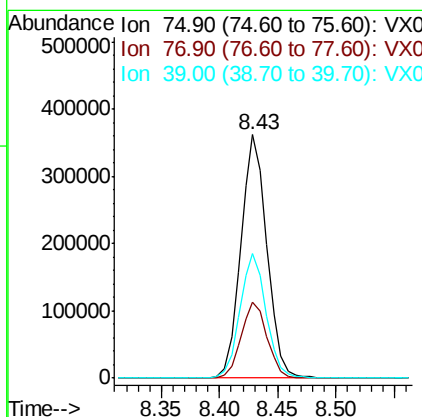
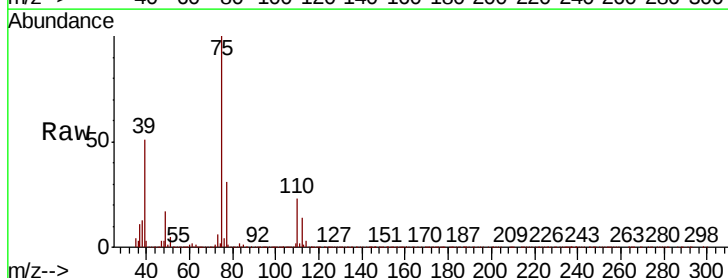
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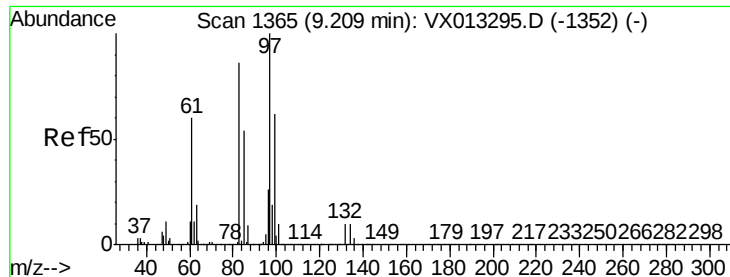
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 52.122 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VX013446.D
Acq: 15 Nov 2019 15:12

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.0	24.7	37.1
39	50.8	43.0	64.6





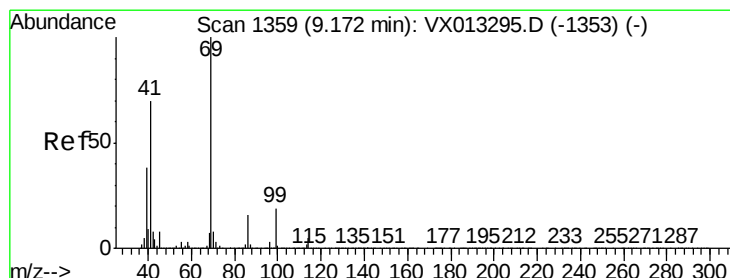
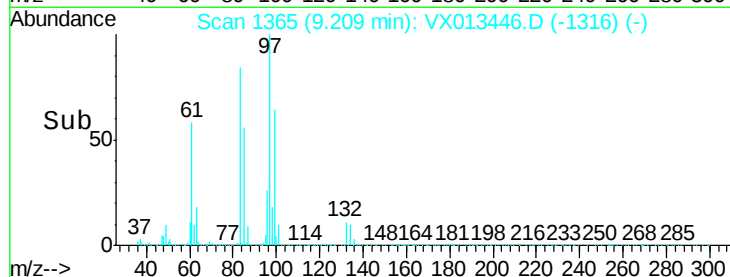
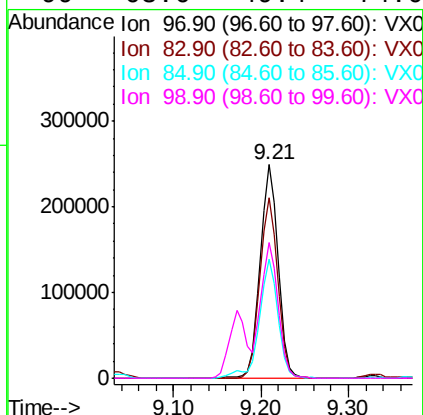
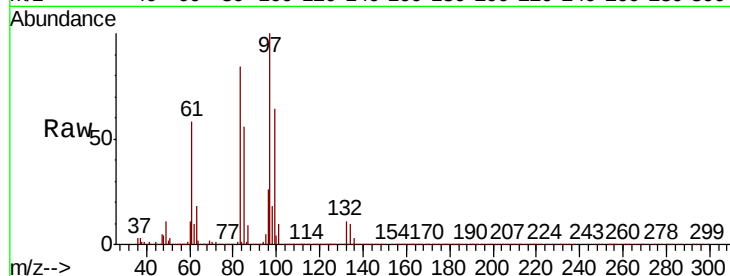
#55
 1,1,2-Trichloroethane
 Concen: 51.837 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX013446.D
 Acq: 15 Nov 2019 15:12

Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0162MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		357967		
83	84.3	68.6	103.0		
85	55.8	43.1	64.7		
99	63.6	49.4	74.0		

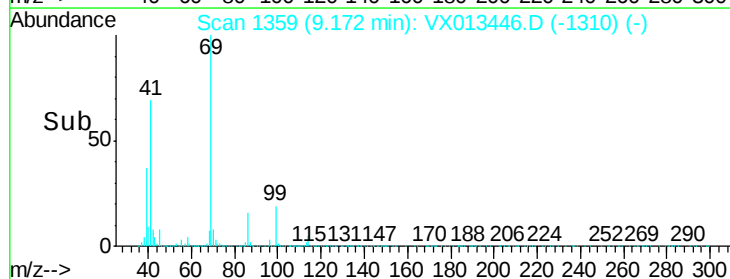
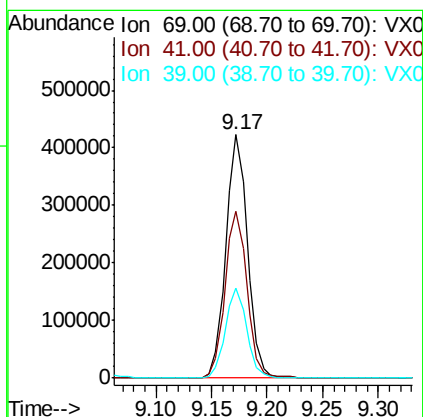
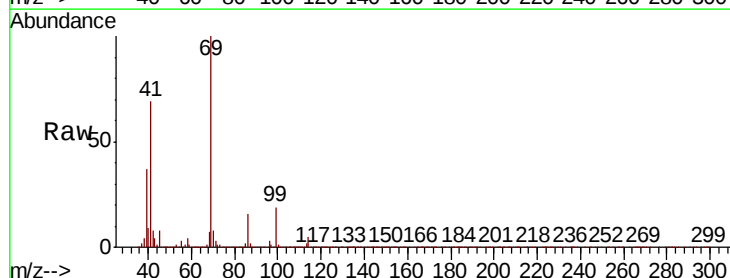
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#56
 Ethyl methacrylate
 Concen: 48.432 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX013446.D
 Acq: 15 Nov 2019 15:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		570389		
41	68.9	56.2	84.2		
39	36.2	31.1	46.7		





#57

1,3-Dichloropropane

Concen: 51.092 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX013446.D

Acq: 15 Nov 2019 15:12

Instrument :

MSVOA_X

ClientSampleId :

S36-0162MSD

Tot Ion: 76 Resp: 598927

Ion Ratio Lower Upper

76 100

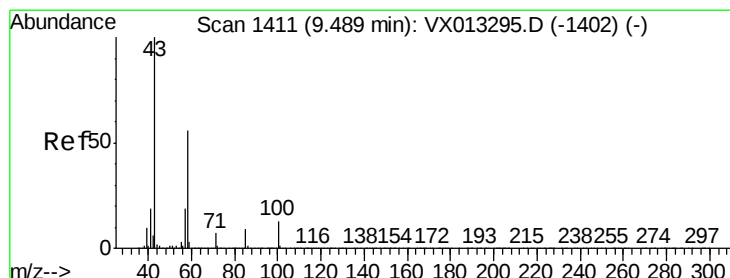
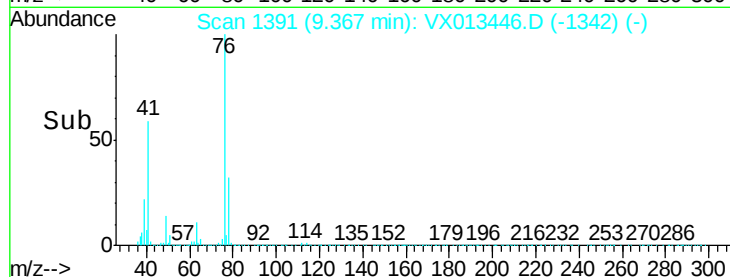
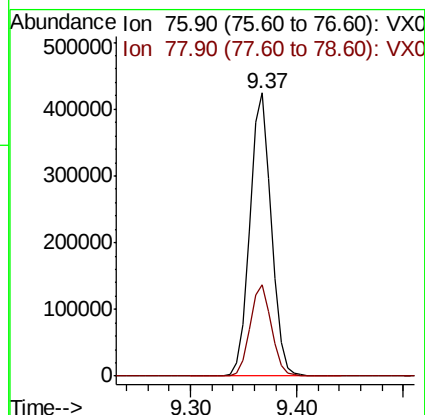
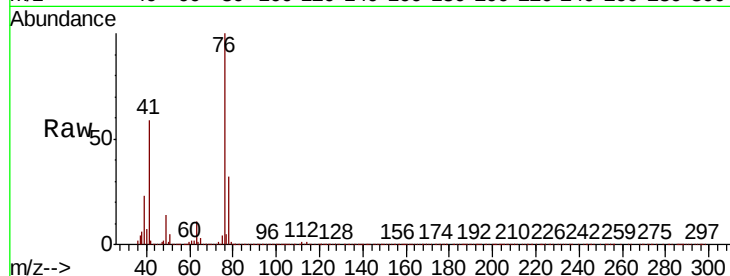
78 32.1 25.8 38.6

Manual Integrations

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#59

2-Hexanone

Concen: 249.067 ug/l

RT: 9.49 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VX013446.D

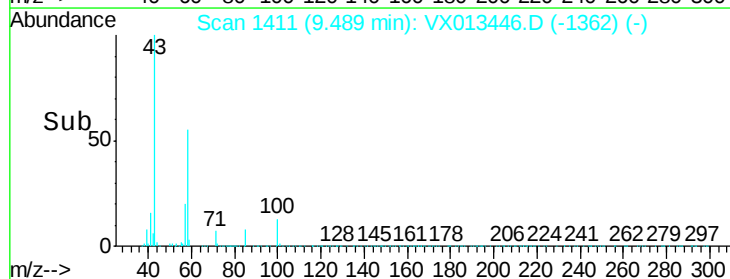
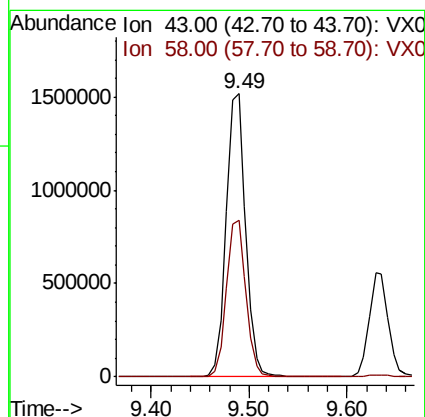
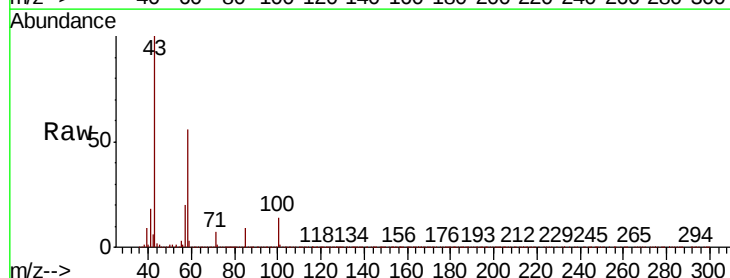
Acq: 15 Nov 2019 15:12

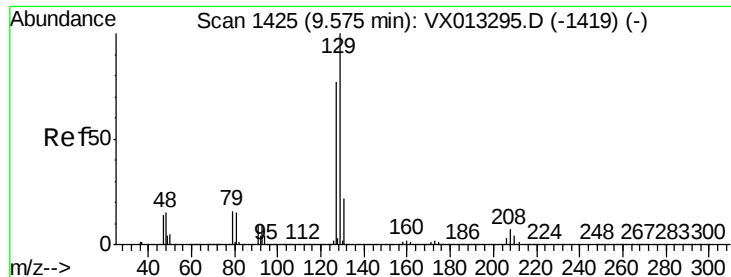
Tgt Ion: 43 Resp: 2096822

Ion Ratio Lower Upper

43 100

58 55.4 27.3 81.8





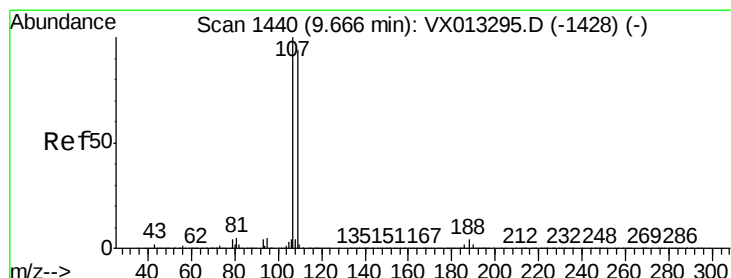
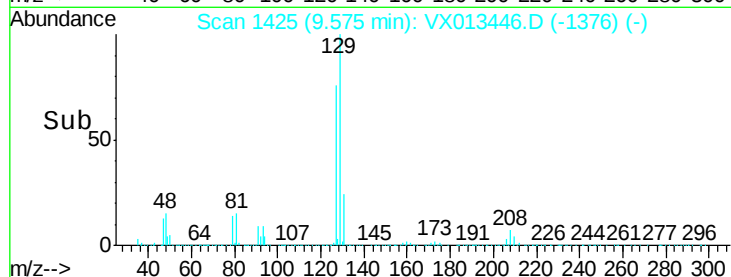
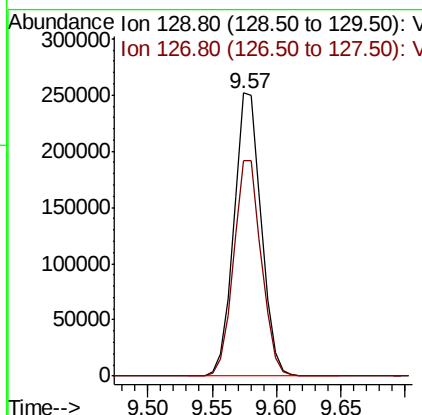
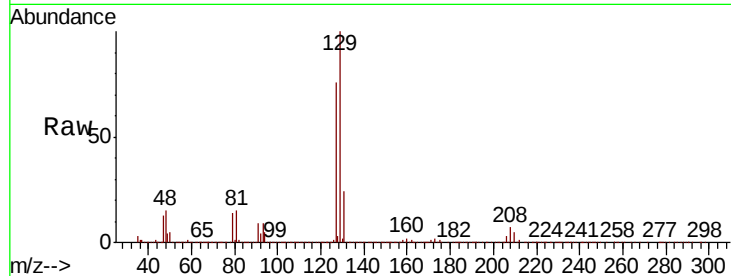
#60
Dibromochloromethane
Concen: 52.480 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX013446.D
Acq: 15 Nov 2019 15:12

Instrument :
MSVOA_X
ClientSampleId :
S36-0162MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
129	100		370644		
127	77.2	39.1	117.2		

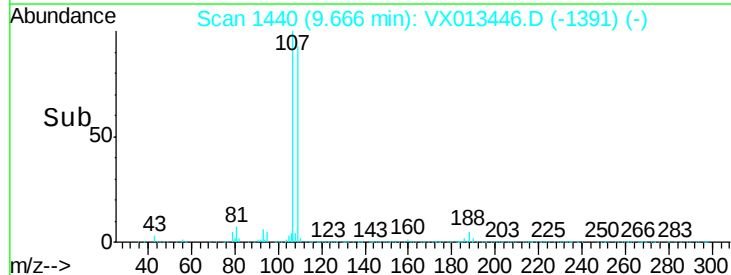
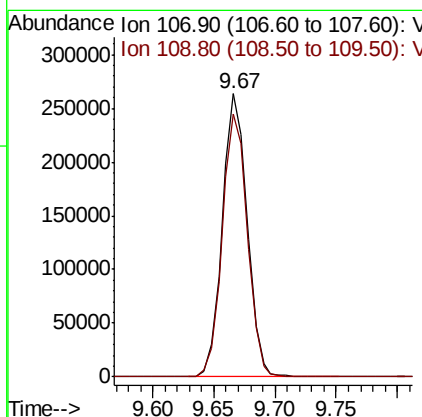
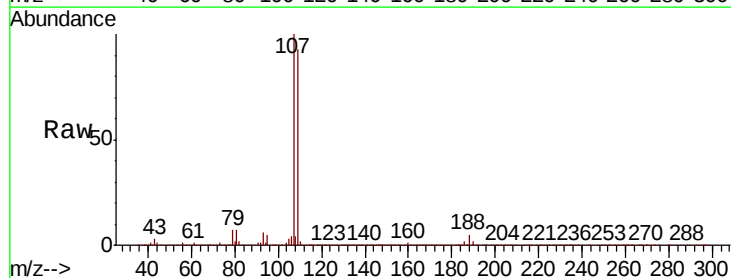
Manual Integrations
APPROVED

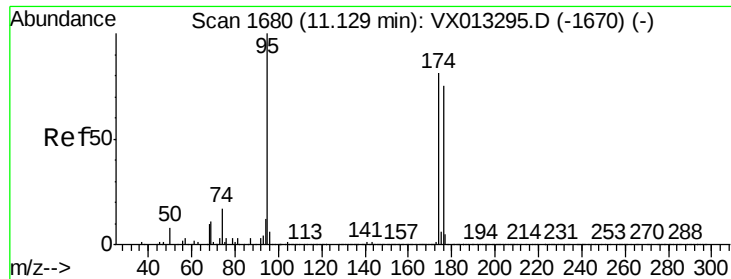
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#61
1,2-Dibromoethane
Concen: 50.417 ug/l
RT: 9.67 min Scan# 1440
Delta R.T. -0.00 min
Lab File: VX013446.D
Acq: 15 Nov 2019 15:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		369703		
109	94.5	75.1	112.7		





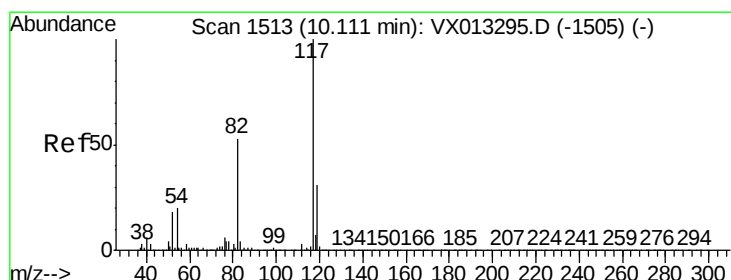
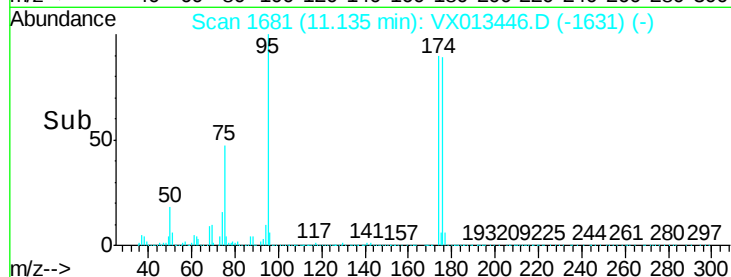
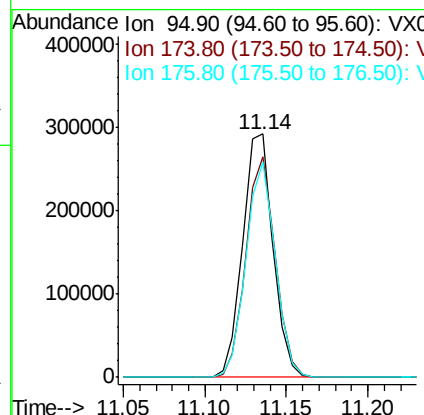
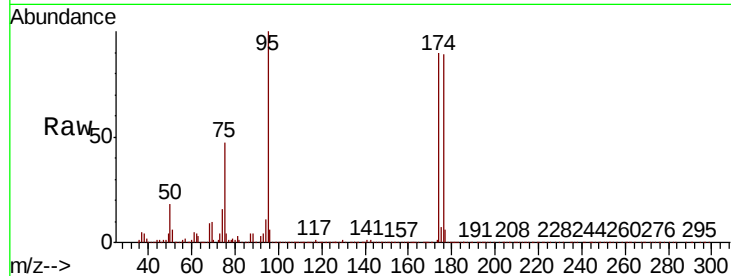
#62
4-Bromofluorobenzene
Concen: 44.191 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX013446.D
Acq: 15 Nov 2019 15:12

Instrument :
MSVOA_X
ClientSampleId :
S36-0162MSD

Tot Ion	Ratio	Resp	Lower	Upper
95	100	379349		
174	88.3	0.0	179.8	
176	85.7	0.0	173.0	

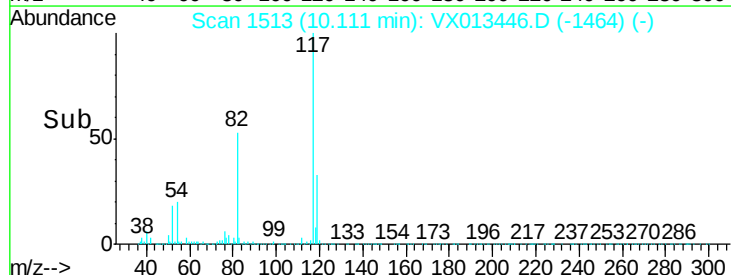
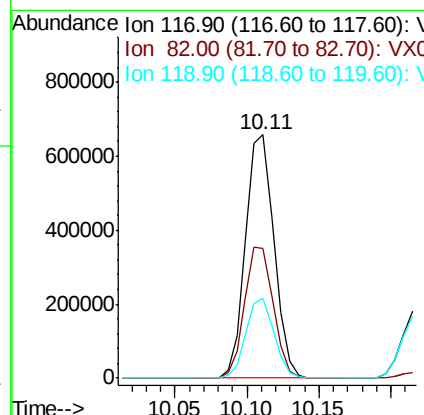
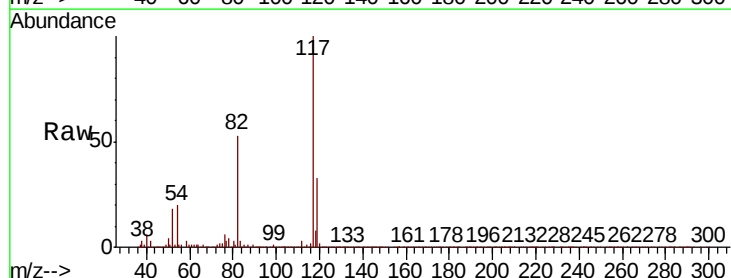
Manual Integrations
APPROVED

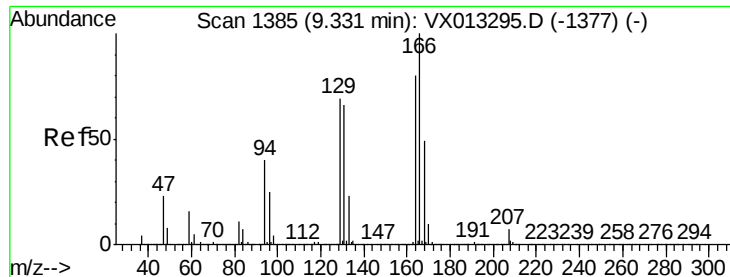
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013446.D
Acq: 15 Nov 2019 15:12

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	904361		
82	53.3	42.6	64.0	
119	33.0	24.8	37.2	





#64

Tetrachloroethene

Concen: 47.061 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VX013446.D

Acq: 15 Nov 2019 15:12

Instrument :

MSVOA_X

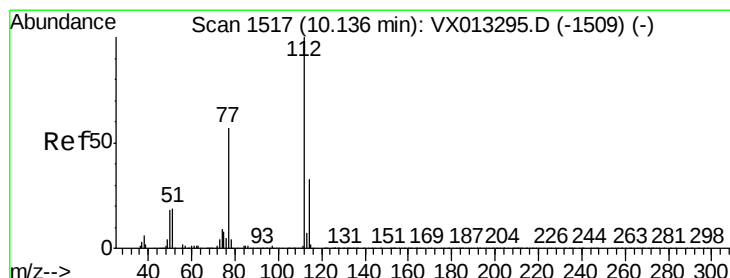
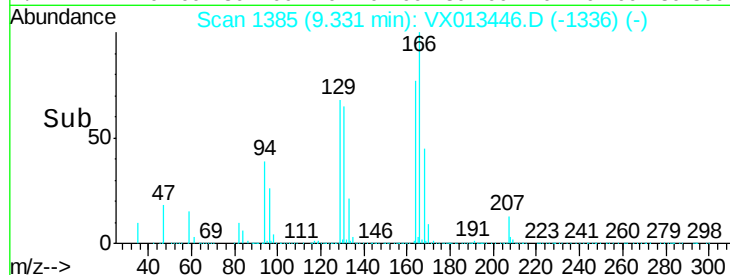
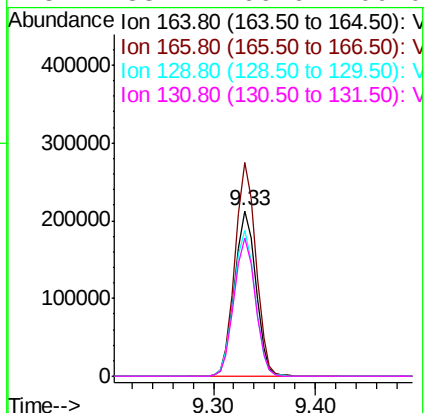
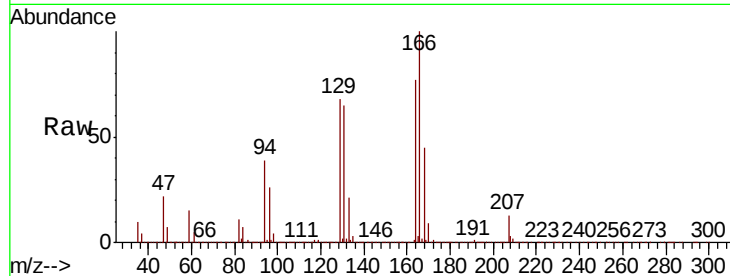
ClientSampleId :

S36-0162MSD

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
166	129.1	100.4	150.6	
129	87.8	69.4	104.2	
131	83.7	66.6	100.0	

Manual Integrations
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#65

Chlorobenzene

Concen: 50.310 ug/l

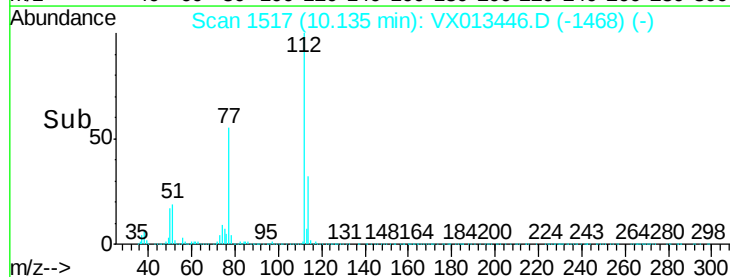
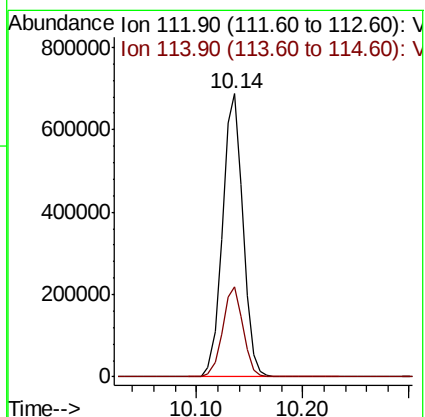
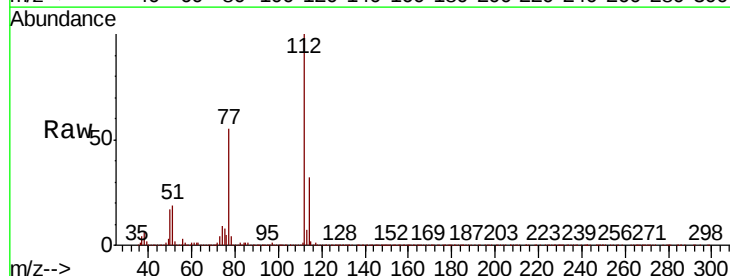
RT: 10.14 min Scan# 1517

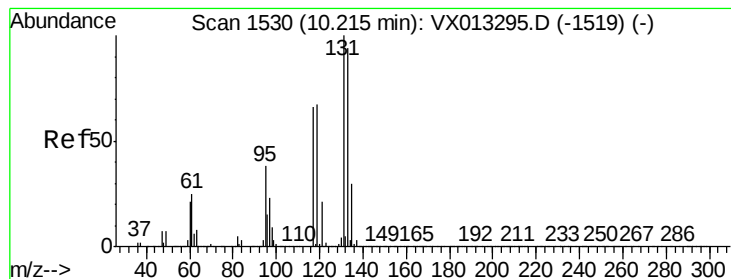
Delta R.T. -0.00 min

Lab File: VX013446.D

Acq: 15 Nov 2019 15:12

Tgt Ion	Ratio	Resp	Lower	Upper
112	100			
114	31.7	26.4	39.6	





#66

1,1,1,2-Tetrachloroethane

Concen: 52.534 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VX013446.D

Acq: 15 Nov 2019 15:12

Instrument :

MSVOA_X

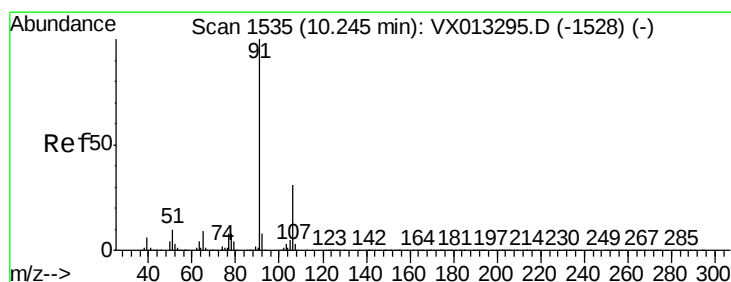
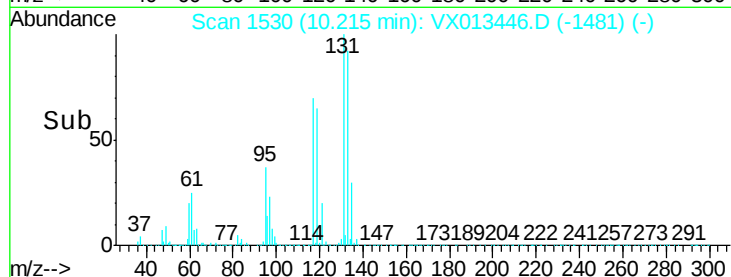
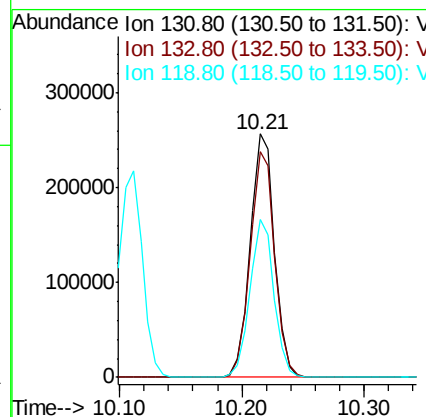
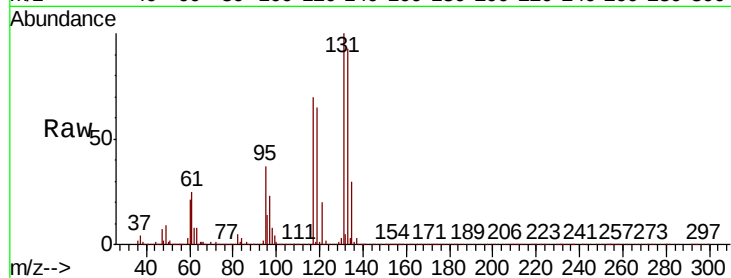
ClientSampleId :

S36-0162MSD

Tot Ion:	131	Resp:	353168
Ion Ratio	Lower	Upper	
131	100		
133	93.5	48.0	144.0
119	64.0	33.0	99.0

Manual Integrations
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#67

Ethyl Benzene

Concen: 50.689 ug/l

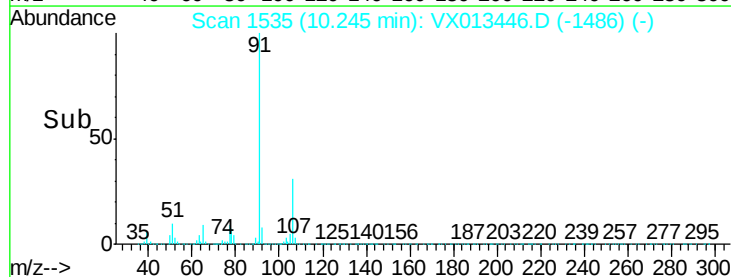
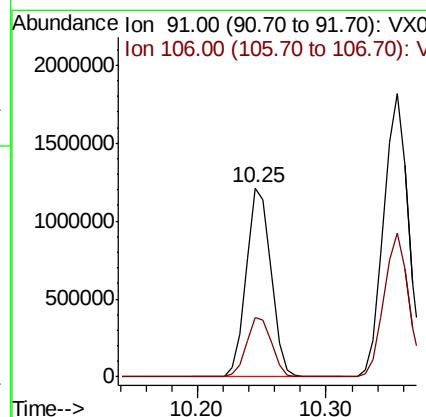
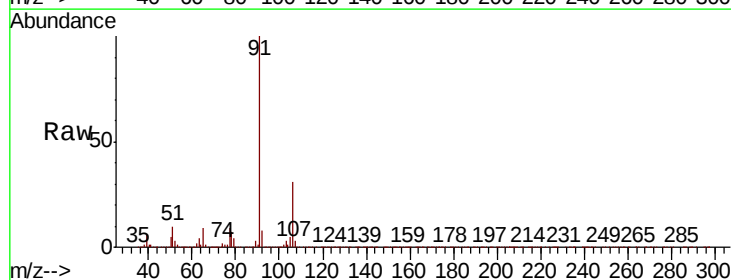
RT: 10.25 min Scan# 1535

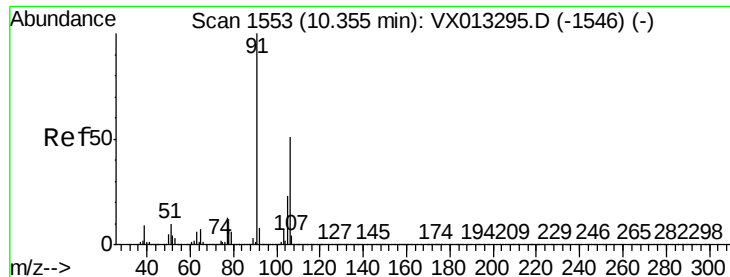
Delta R.T. -0.00 min

Lab File: VX013446.D

Acq: 15 Nov 2019 15:12

Tgt Ion:	91	Resp:	1601758
Ion Ratio	Lower	Upper	
91	100		
106	31.2	24.6	36.8





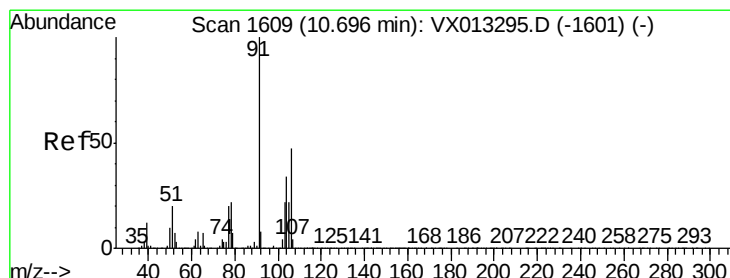
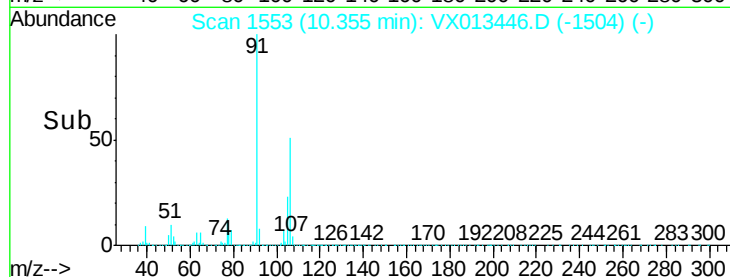
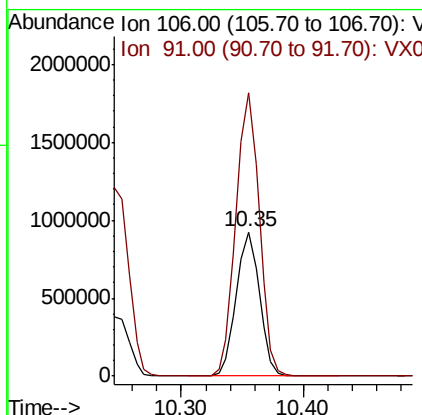
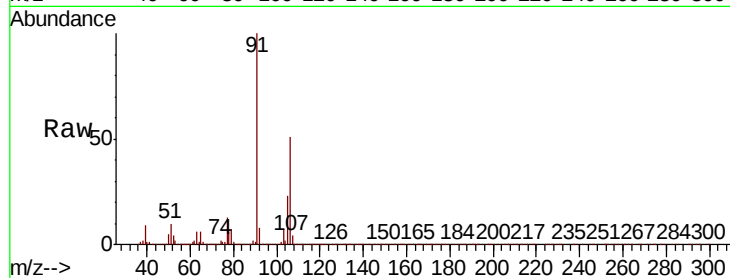
#68
m/p-Xylenes
Concen: 101.270 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX013446.D
Acq: 15 Nov 2019 15:12

Instrument :
MSVOA_X
ClientSampleId :
S36-0162MSD

Tot Ion	Ratio	Lower	Upper
106	100		
91	198.4	159.3	238.9

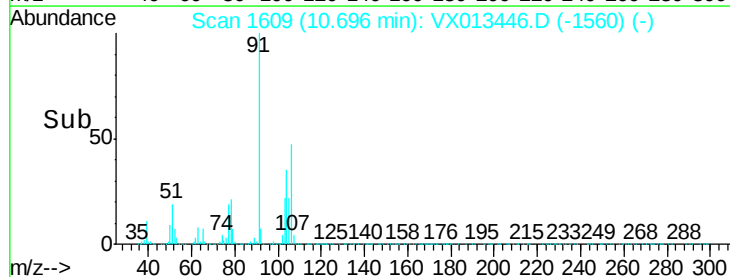
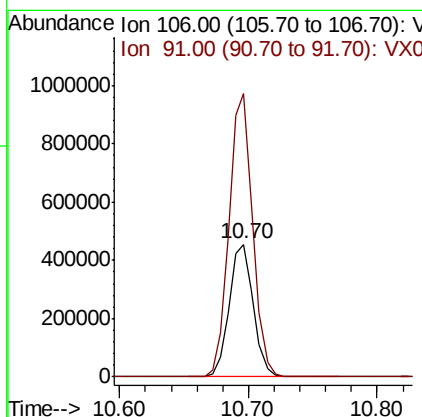
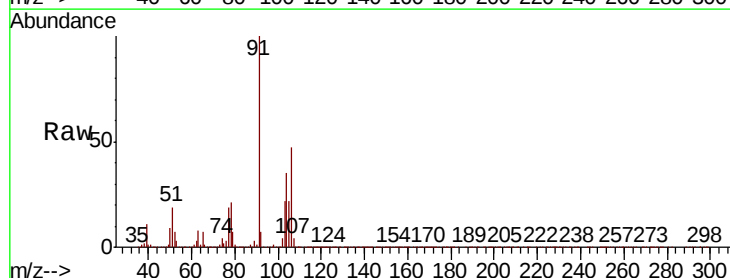
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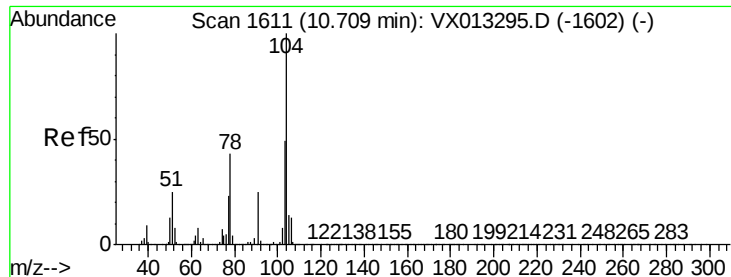
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#69
o-Xylene
Concen: 50.635 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX013446.D
Acq: 15 Nov 2019 15:12

Tgt Ion	Ratio	Lower	Upper
106	100		
91	210.5	105.7	317.0





#70

Stvrene

Concen: 52.487 ug/l

RT: 10.71 min Scan# 1611

Delta R.T. -0.00 min

Lab File: VX013446.D

Acq: 15 Nov 2019 15:12

Instrument :

MSVOA_X

ClientSampleId :

S36-0162MSD

Tot Ion:104 Resp: 1026545

Ion Ratio Lower Upper

104 100

78 48.5 40.0 60.0

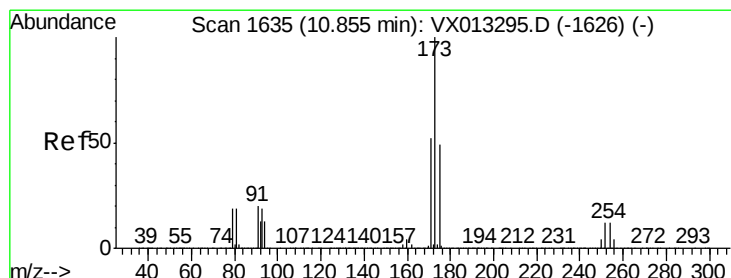
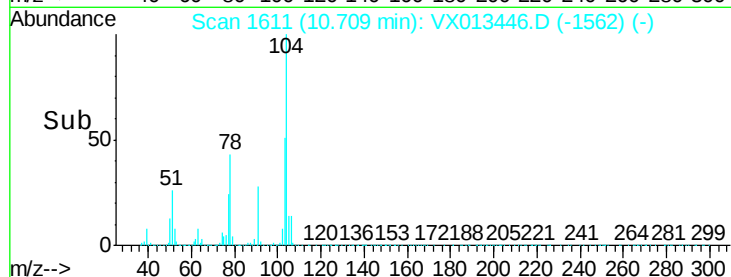
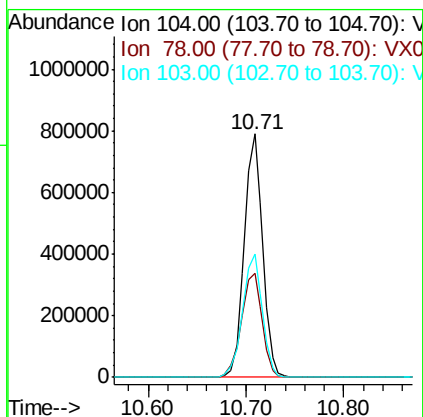
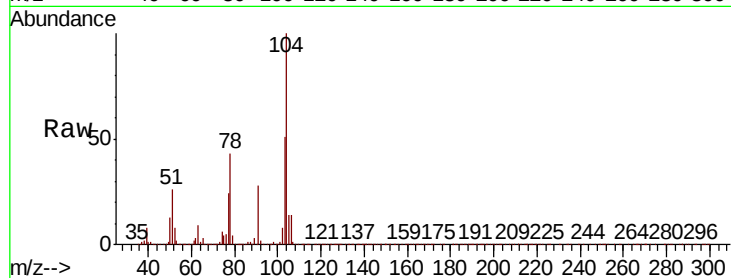
103 54.7 44.1 66.1

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#71

Bromoform

Concen: 46.754 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX013446.D

Acq: 15 Nov 2019 15:12

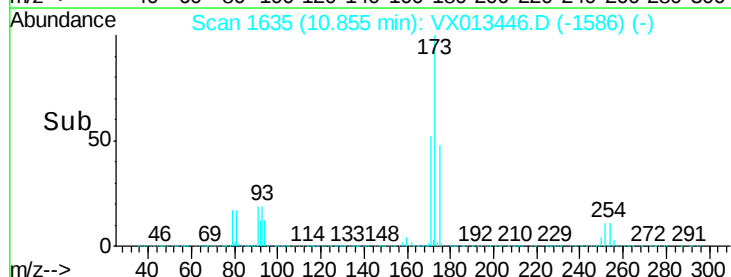
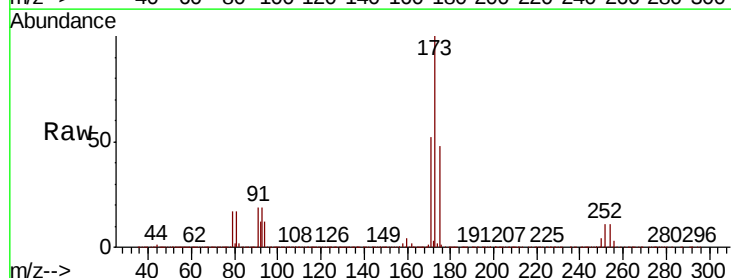
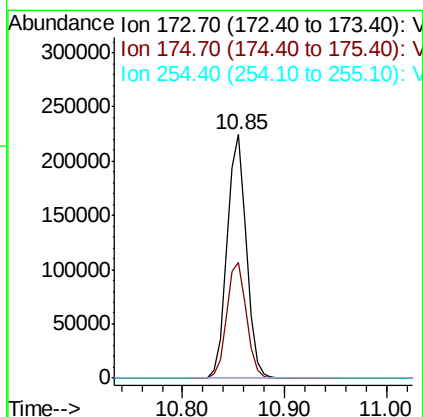
Tgt Ion:173 Resp: 290047

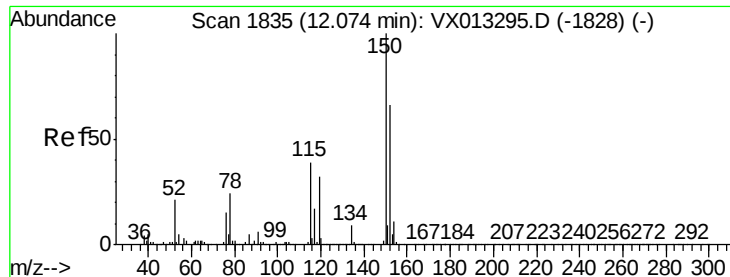
Ion Ratio Lower Upper

173 100

175 48.6 24.8 74.4

254 0.1 0.2 0.2#





#72

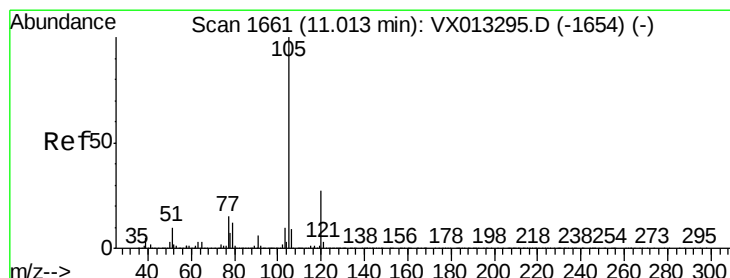
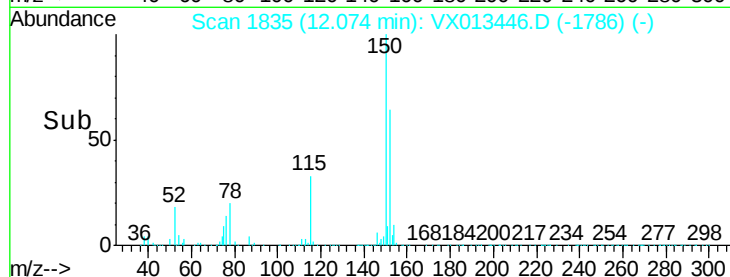
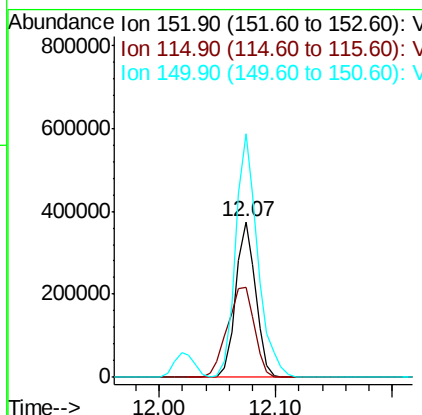
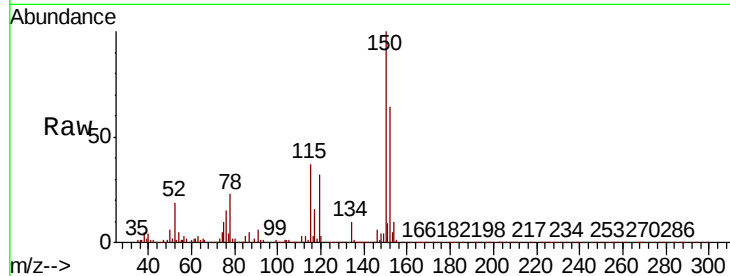
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX013446.D
Acq: 15 Nov 2019 15:12

Instrument :
MSVOA_X
ClientSampleId :
S36-0162MSD

Tot Ion	Ratio	Lower	Upper
152	100		
115	78.0	39.5	118.3
150	172.8	0.0	344.4

Manual Integrations
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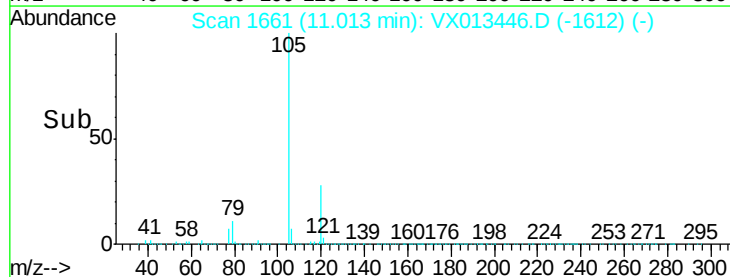
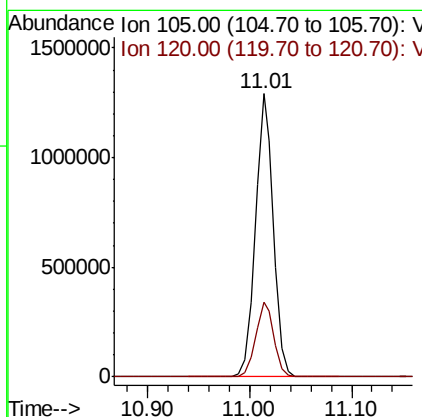
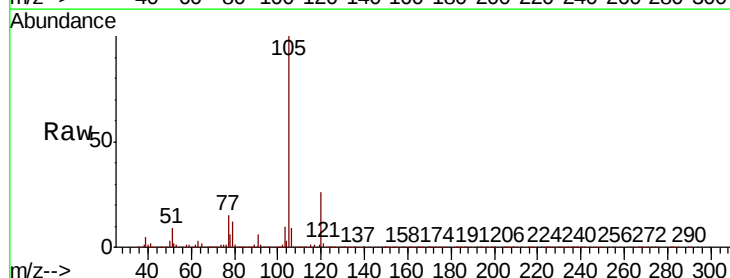
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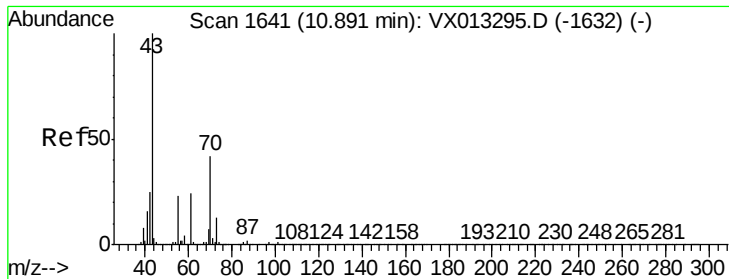


#73

Isopropylbenzene
Concen: 53.702 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX013446.D
Acq: 15 Nov 2019 15:12

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.5	40.5





#74

N-amvl acetate

Concen: 54.948 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX013446.D

Acq: 15 Nov 2019 15:12

Instrument :

MSVOA_X

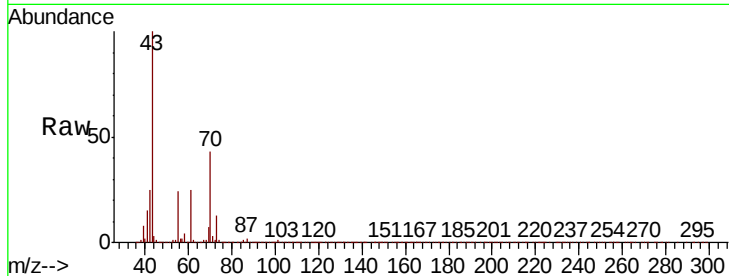
ClientSampleId :

S36-0162MSD

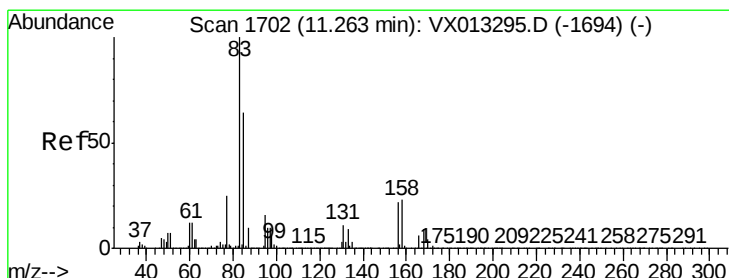
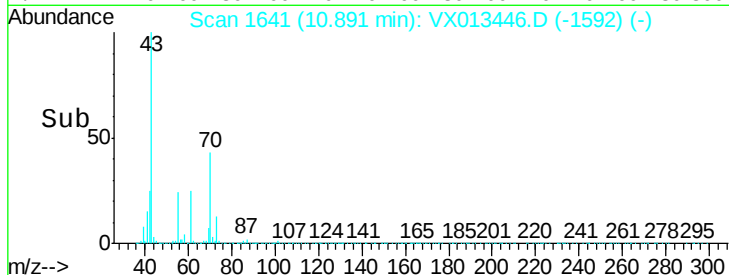
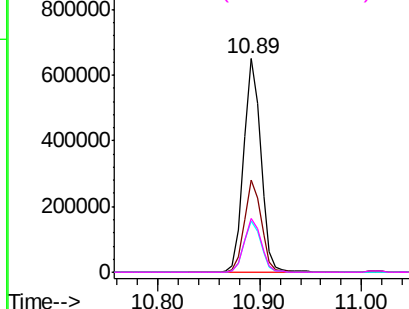
Tot Ion	Ratio	Lower	Upper
43	100		
70	43.2	34.1	51.1
55	24.2	18.9	28.3
61	25.1	19.2	28.8

Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 70.00 (69.70 to 70.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 61.00 (60.70 to 61.70): VX0



#75

1,1,2,2-Tetrachloroethane

Concen: 53.368 ug/l

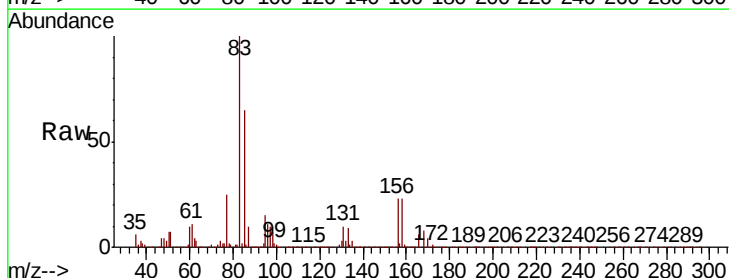
RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

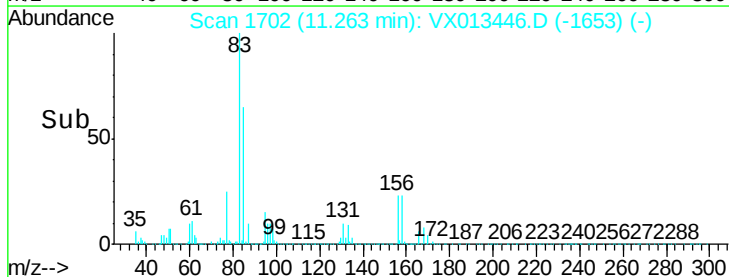
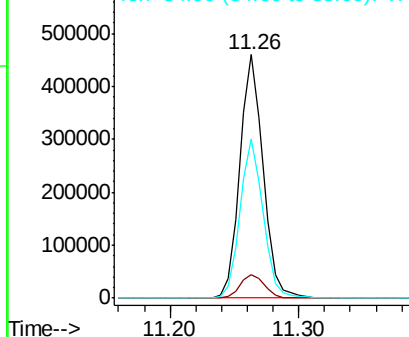
Lab File: VX013446.D

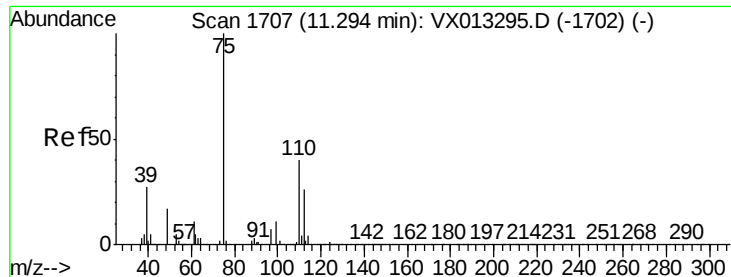
Acq: 15 Nov 2019 15:12

Tgt Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.1	15.3
85	64.6	32.3	96.8



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





#76

1,2,3-Trichloropropane

Concen: 49.851 ug/l m

RT: 11.29 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX013446.D

Acq: 15 Nov 2019 15:12

Instrument :

MSVOA_X

ClientSampleId :

S36-0162MSD

Tot Ion: 75 Resp: 451770

Ion Ratio Lower Upper

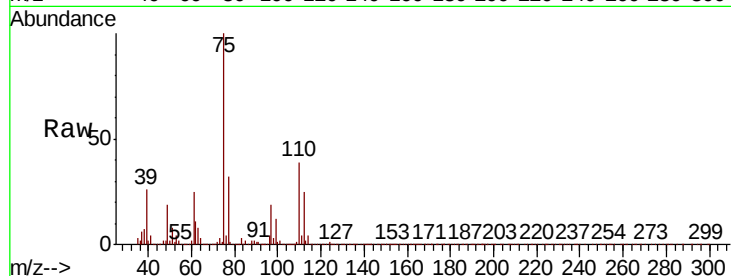
75 100

77 44.9 22.3 66.8

Manual Integrations
APPROVED

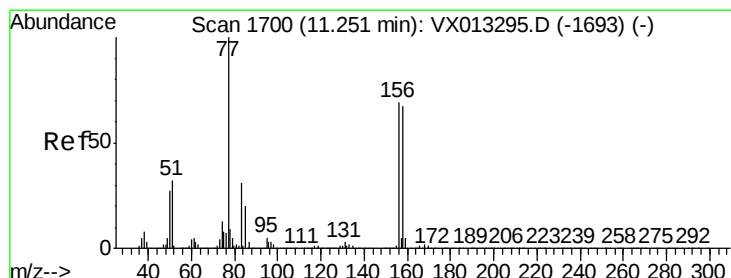
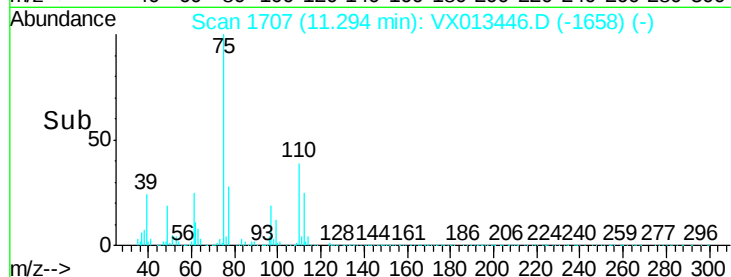
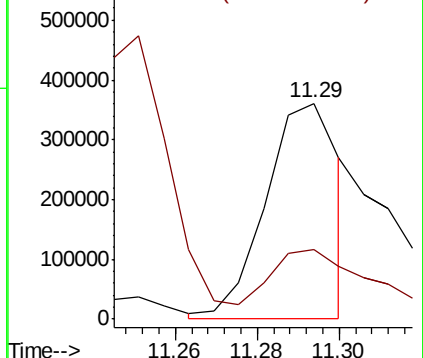
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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#77

Bromobenzene

Concen: 52.794 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX013446.D

Acq: 15 Nov 2019 15:12

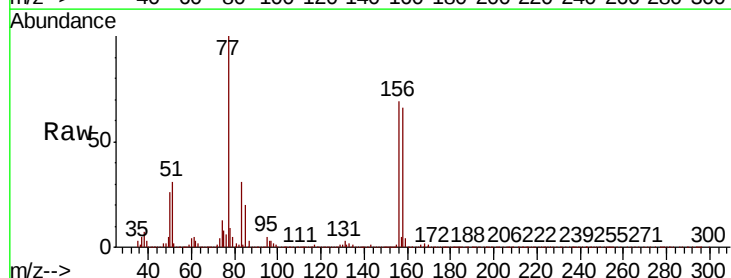
Tgt Ion: 156 Resp: 416344

Ion Ratio Lower Upper

156 100

77 149.3 75.8 227.4

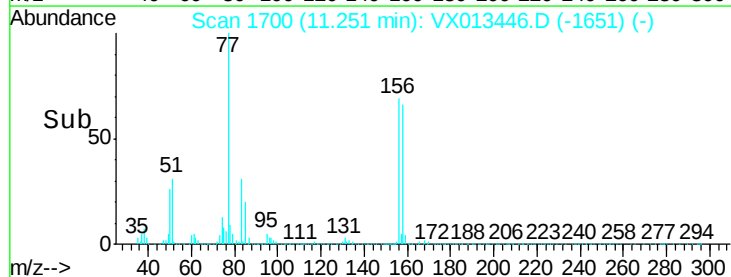
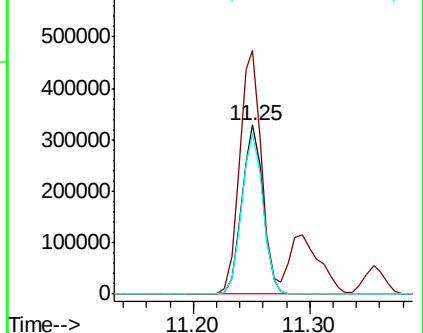
158 96.1 47.6 142.8

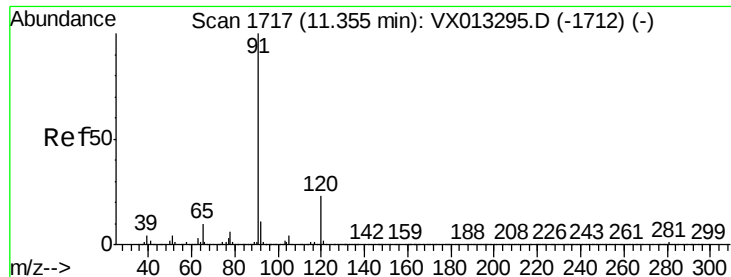


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V





#78

n-propylbenzene

Concen: 53.635 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX013446.D

Acq: 15 Nov 2019 15:12

Instrument :

MSVOA_X

ClientSampleId :

S36-0162MSD

Tot Ion: 91 Resp: 1767405

Ion Ratio Lower Upper

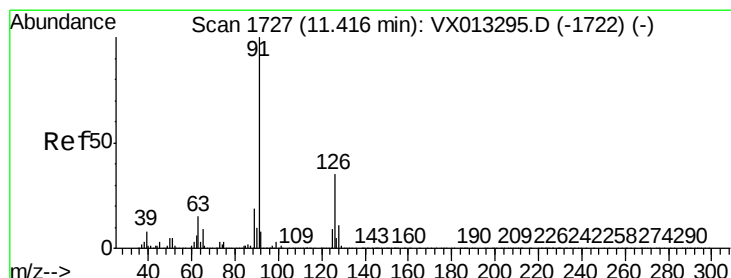
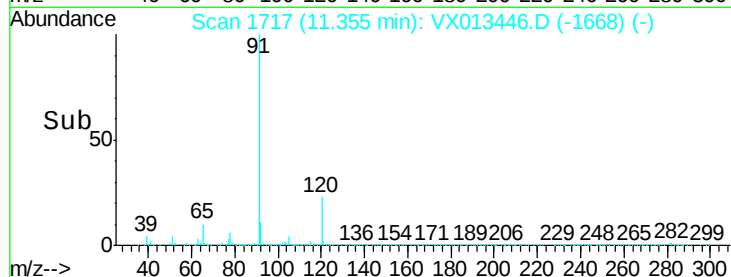
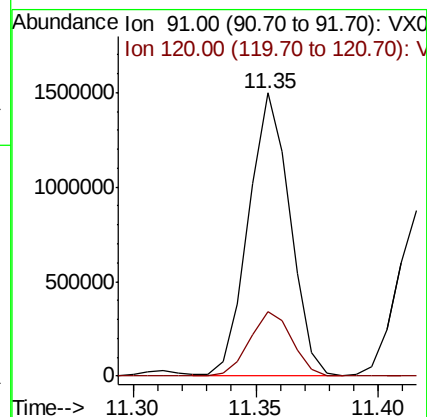
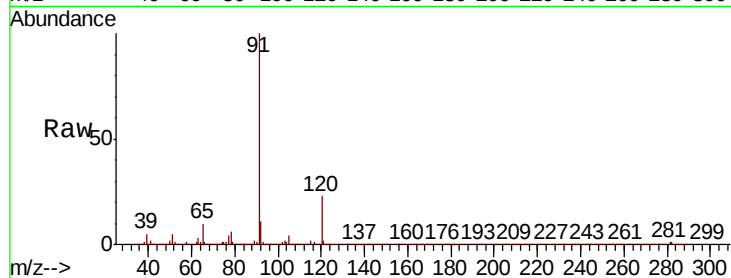
91 100

120 23.4 11.6 34.8

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#79

2-Chlorotoluene

Concen: 52.832 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX013446.D

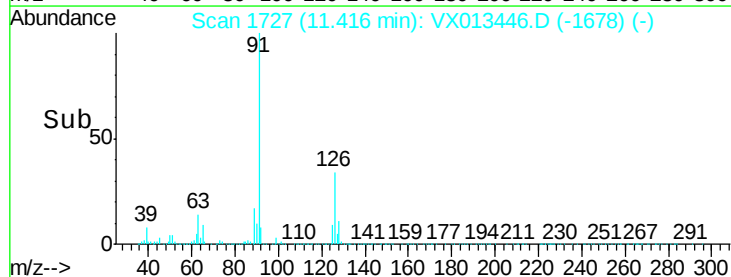
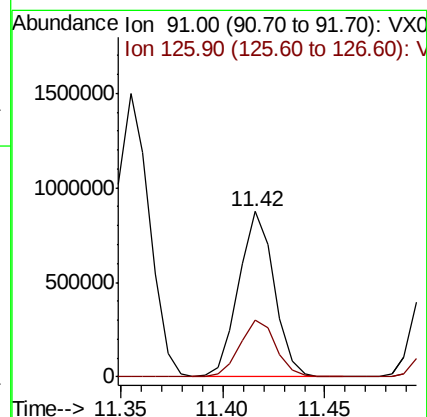
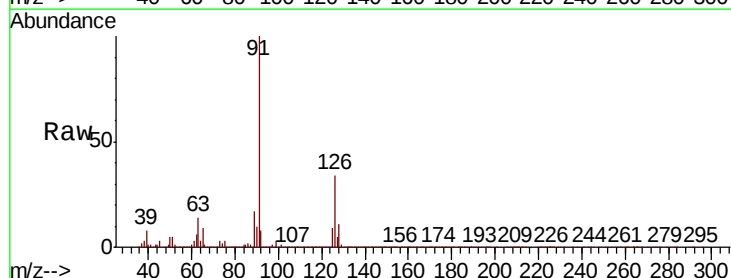
Acq: 15 Nov 2019 15:12

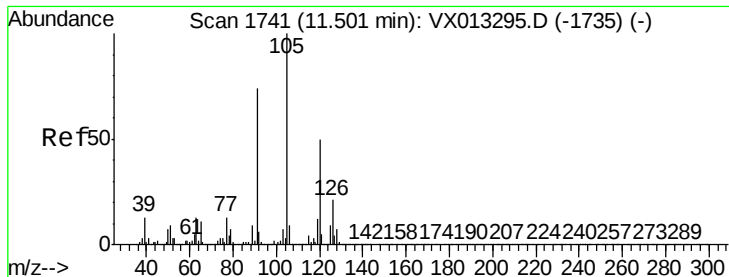
Tgt Ion: 91 Resp: 1048919

Ion Ratio Lower Upper

91 100

126 34.9 17.3 52.0





#80

1,3,5-Trimethylbenzene

Concen: 53.662 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX013446.D

Acq: 15 Nov 2019 15:12

Instrument :

MSVOA_X

ClientSampleId :

S36-0162MSD

Tot Ion:105 Resp: 1322233

Ion Ratio Lower Upper

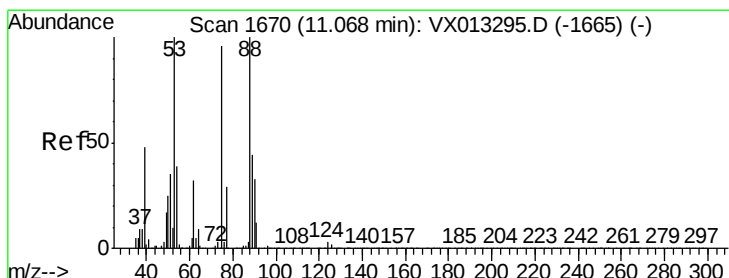
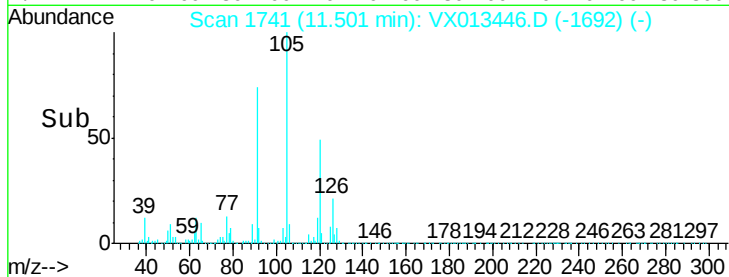
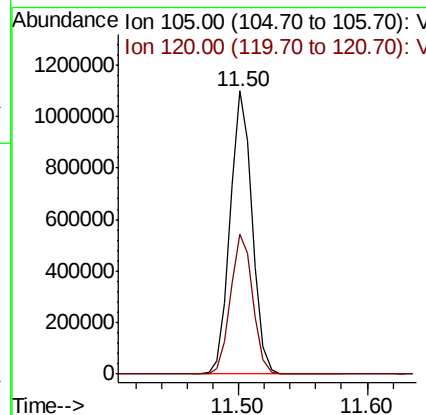
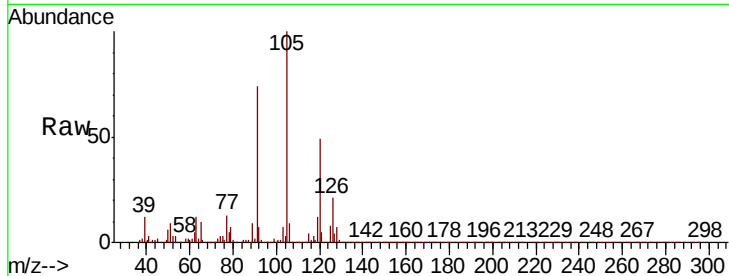
105 100

120 49.9 24.9 74.8

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#81

trans-1,4-Dichloro-2-butene

Concen: 54.386 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VX013446.D

Acq: 15 Nov 2019 15:12

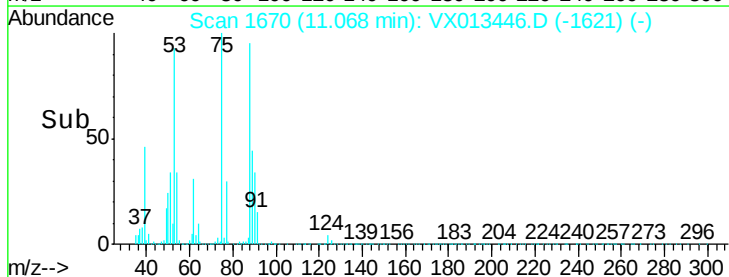
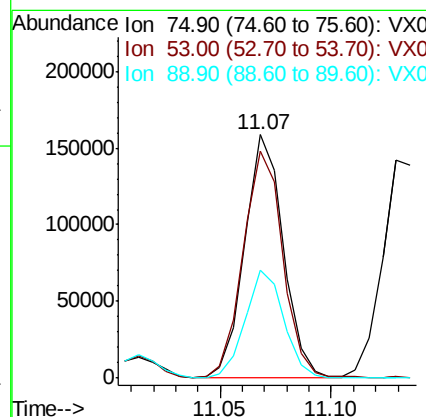
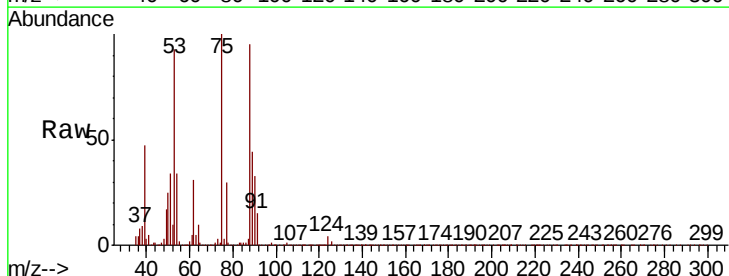
Tgt Ion: 75 Resp: 191479

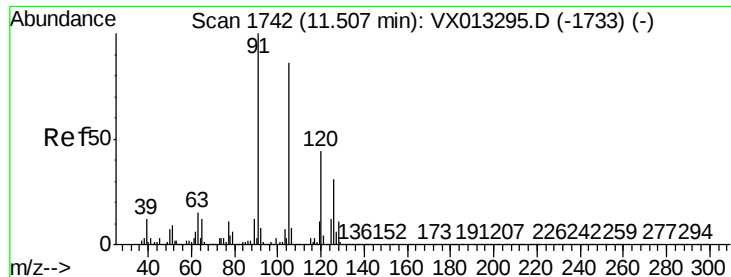
Ion Ratio Lower Upper

75 100

53 95.4 81.0 121.6

89 45.1 36.0 54.0





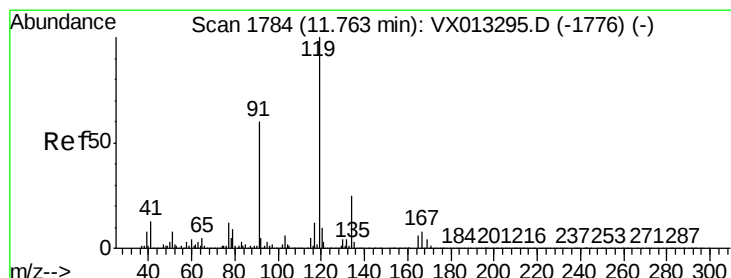
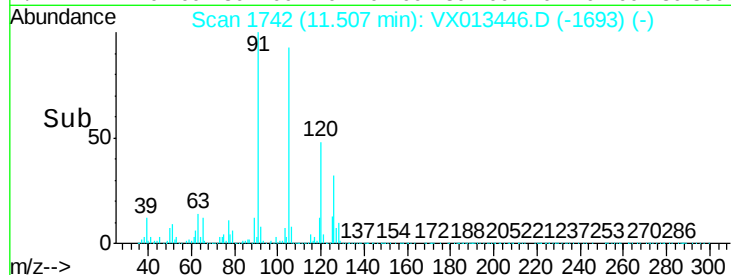
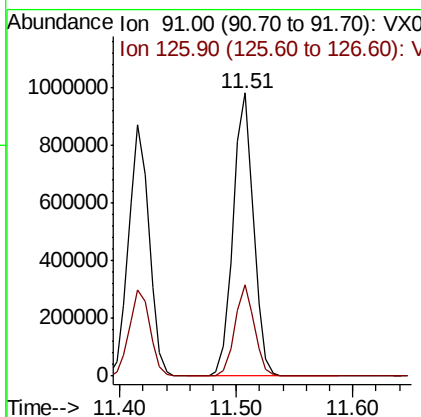
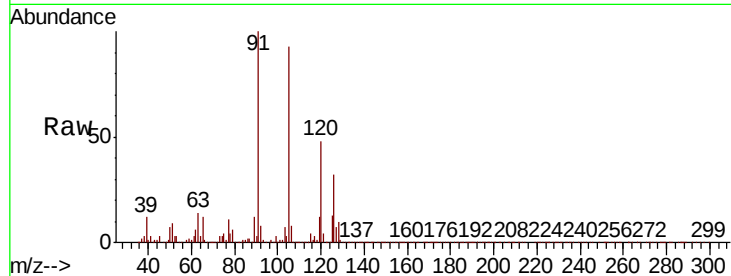
#82
4-Chlorotoluene
Concen: 51.752 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX013446.D
Acq: 15 Nov 2019 15:12

Instrument :
MSVOA_X
ClientSampleId :
S36-0162MSD

Tot Ion: 91 Resp: 1202739
Ion Ratio Lower Upper
91 100
126 30.7 15.3 45.8

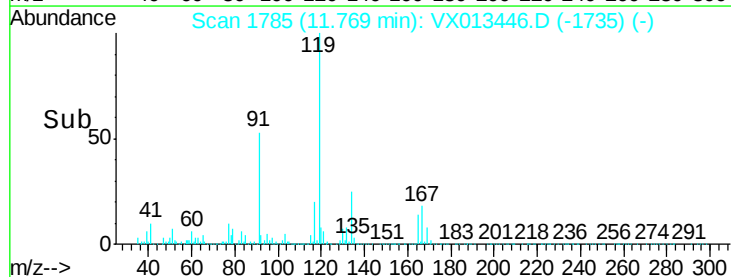
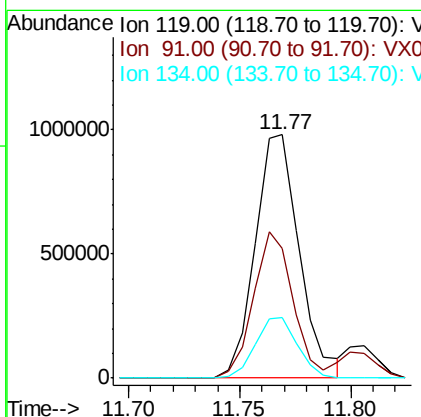
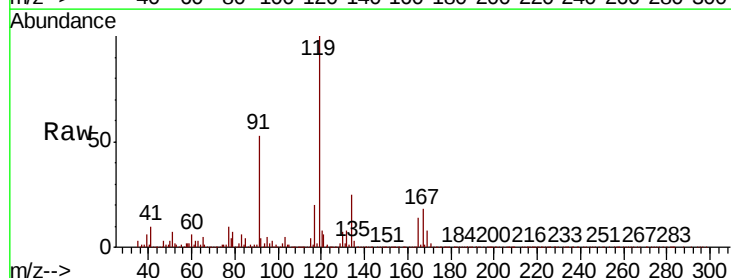
Manual Integrations
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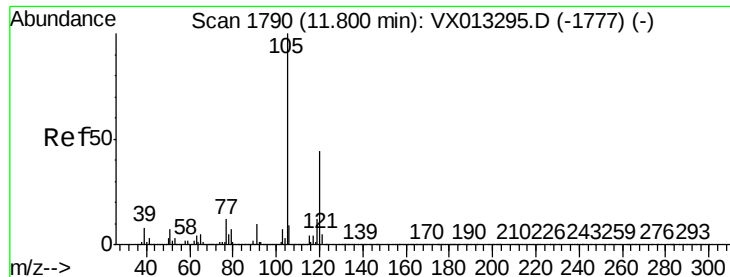
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#83
tert-Butylbenzene
Concen: 54.599 ug/l
RT: 11.77 min Scan# 1785
Delta R.T. 0.01 min
Lab File: VX013446.D
Acq: 15 Nov 2019 15:12

Tgt Ion: 119 Resp: 1354265
Ion Ratio Lower Upper
119 100
91 53.6 26.9 80.7
134 23.7 11.7 35.1





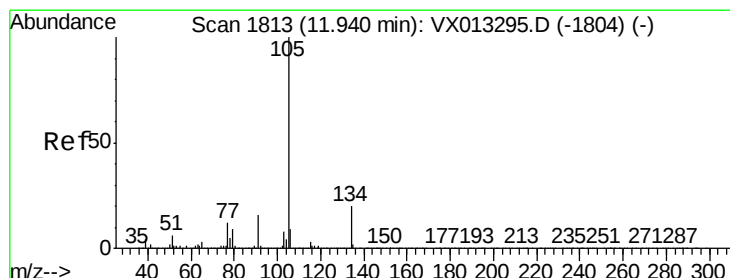
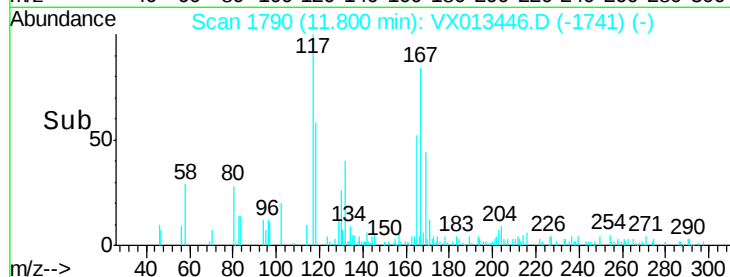
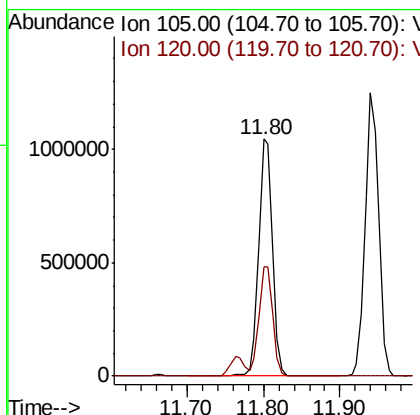
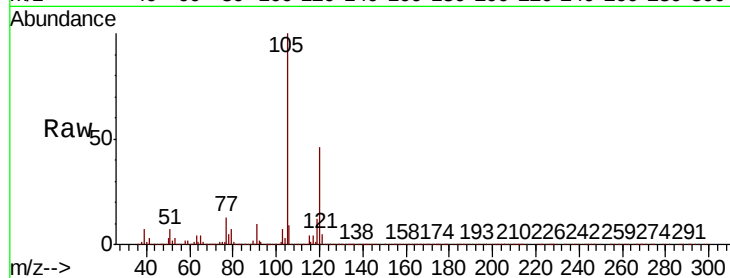
#84
1,2,4-Trimethylbenzene
Concen: 53.282 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. -0.00 min
Lab File: VX013446.D
Acq: 15 Nov 2019 15:12

Instrument :
MSVOA_X
ClientSampleId :
S36-0162MSD

Tot Ion:105 Resp: 1316998
Ion Ratio Lower Upper
105 100
120 46.2 22.7 68.1

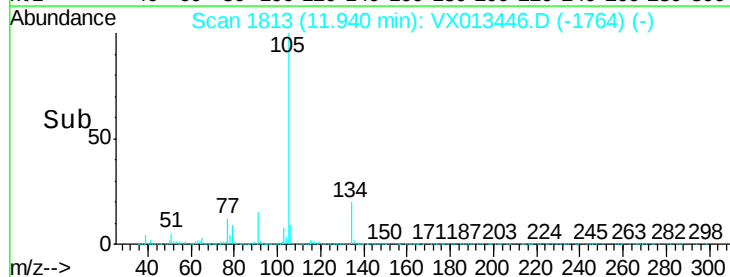
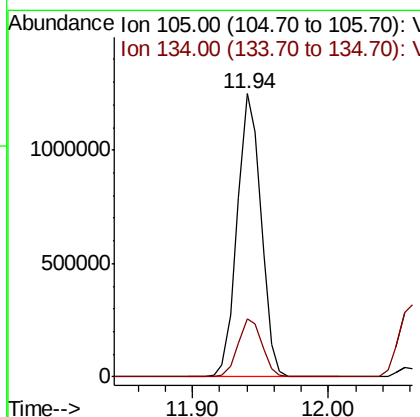
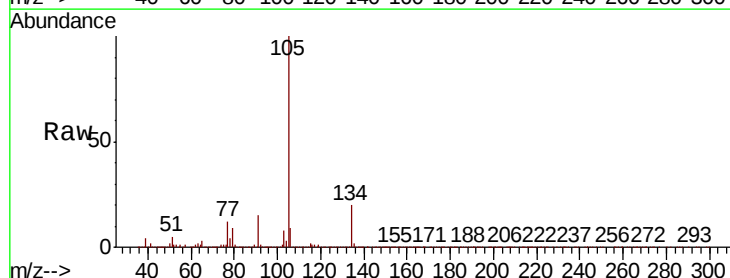
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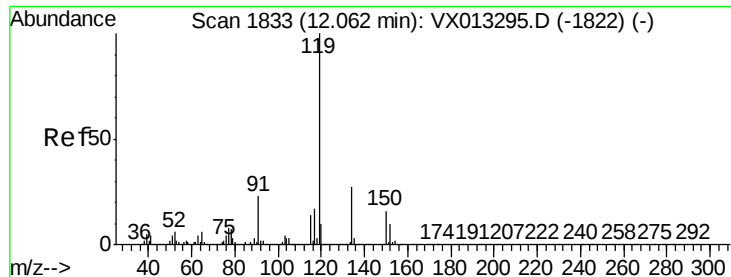
MMDadoda
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#85
sec-Butylbenzene
Concen: 53.512 ug/l
RT: 11.94 min Scan# 1813
Delta R.T. -0.00 min
Lab File: VX013446.D
Acq: 15 Nov 2019 15:12

Tgt Ion:105 Resp: 1525445
Ion Ratio Lower Upper
105 100
134 20.7 10.3 30.9





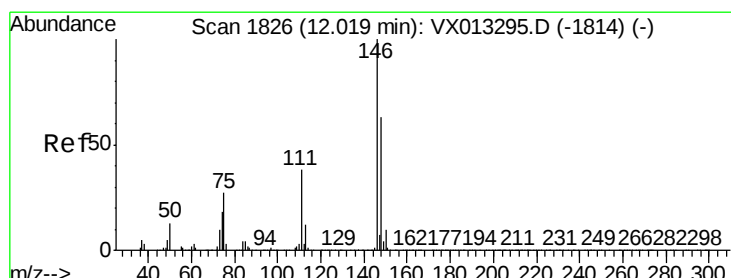
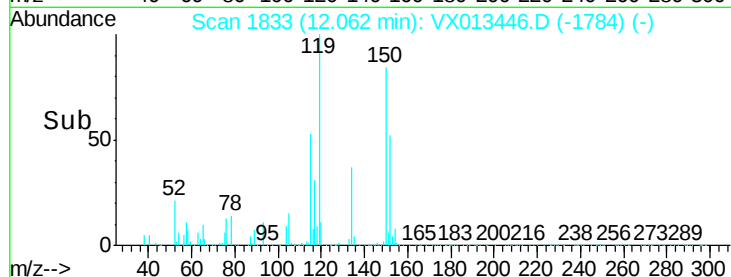
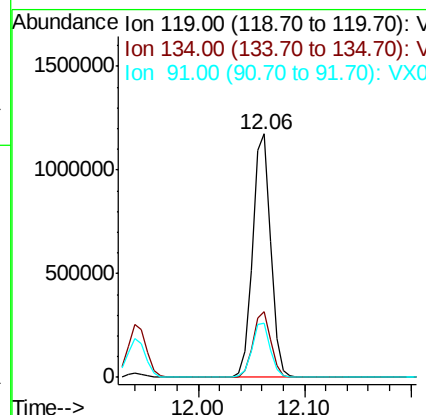
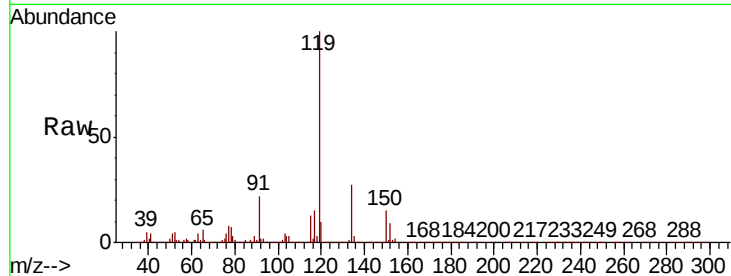
#86
 p-Isopropyltoluene
 Concen: 53.333 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: VX013446.D
 Acq: 15 Nov 2019 15:12

Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0162MSD

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.3	39.8
91	22.4	11.5	34.4

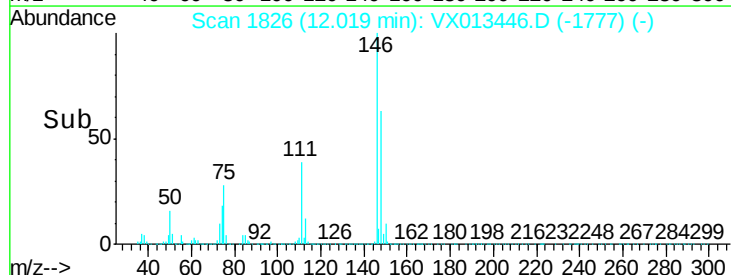
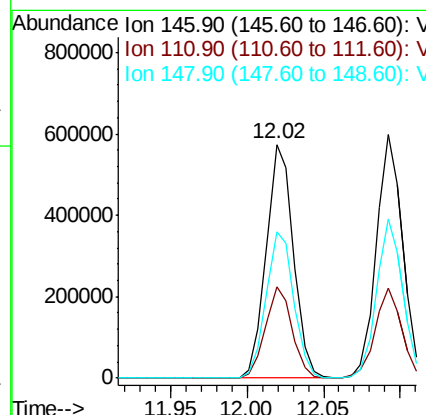
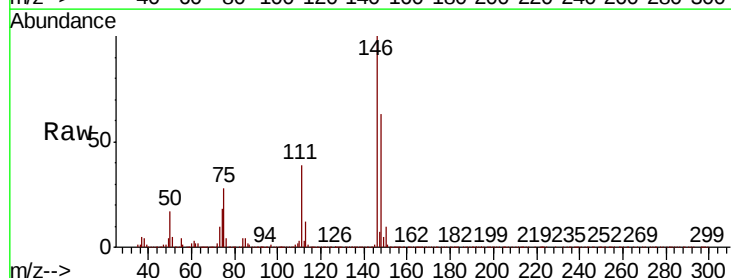
Manual Integrations
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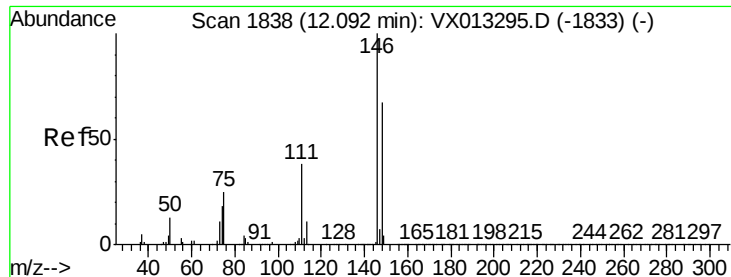
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#87
 1,3-Dichlorobenzene
 Concen: 50.886 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX013446.D
 Acq: 15 Nov 2019 15:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.9	56.5
148	64.0	31.9	95.7





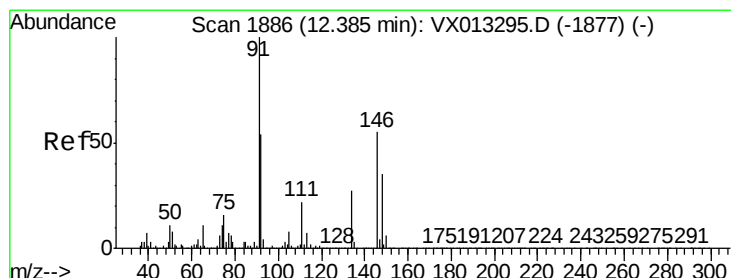
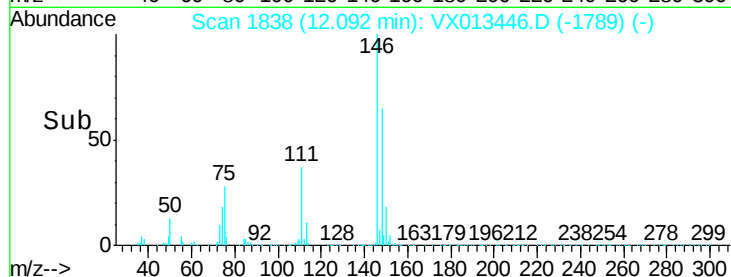
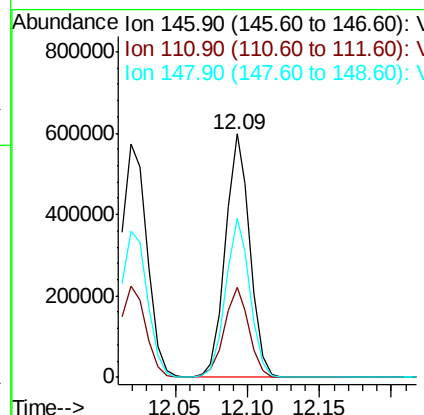
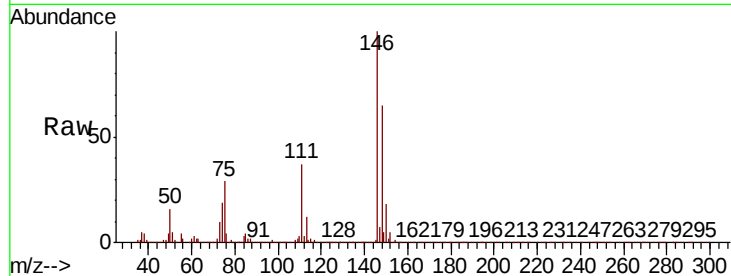
#88
 1,4-Dichlorobenzene
 Concen: 49.925 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX013446.D
 Acq: 15 Nov 2019 15:12

Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0162MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.8	56.4
148	64.9	32.4	97.0

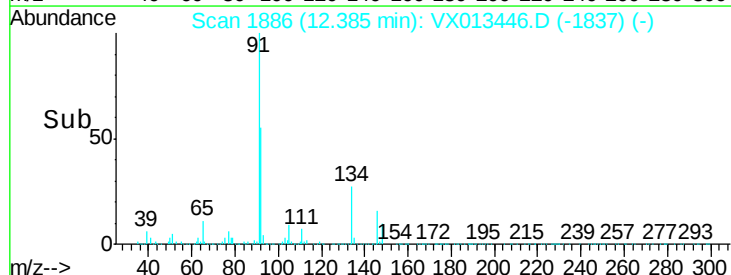
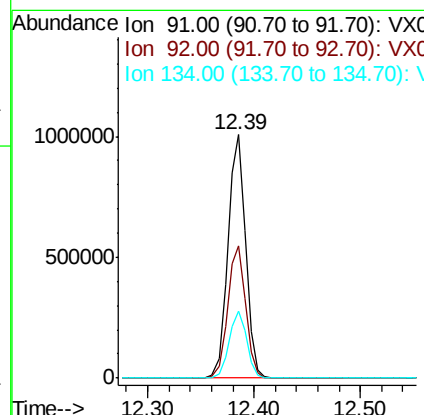
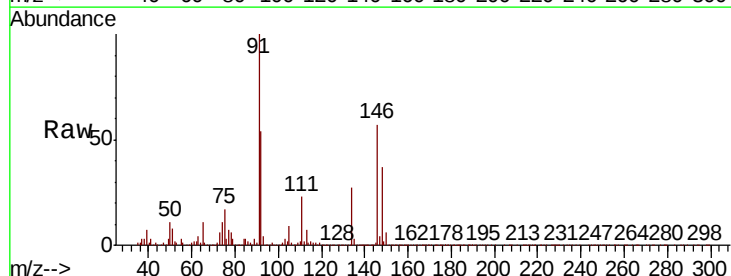
Manual Integrations
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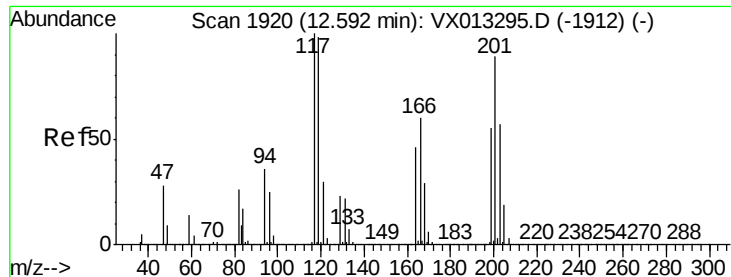
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#89
 n-Butylbenzene
 Concen: 51.006 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX013446.D
 Acq: 15 Nov 2019 15:12

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.8	27.3	81.8
134	27.3	13.5	40.5





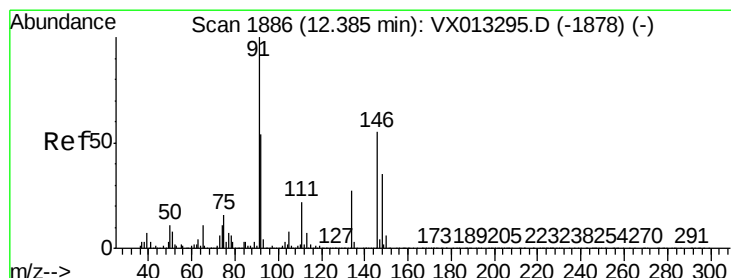
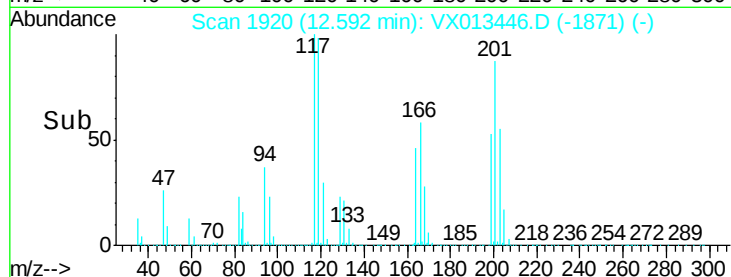
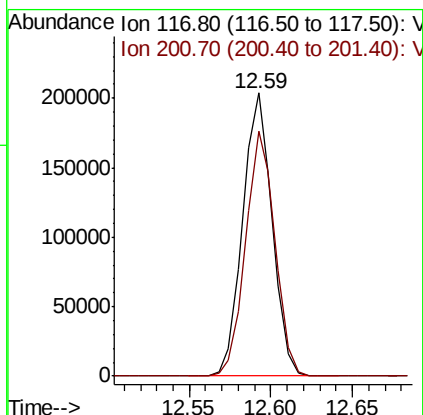
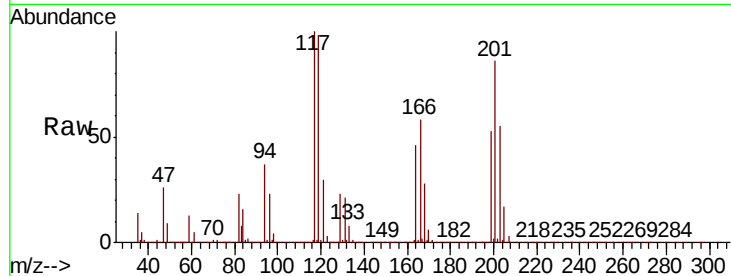
#90
Hexachloroethane
Concen: 54.755 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX013446.D
Acq: 15 Nov 2019 15:12

Instrument :
MSVOA_X
ClientSampleId :
S36-0162MSD

Tot Ion	Ratio	Resp	Lower	Upper
117	100	256085		
201	86.4	43.9	131.7	

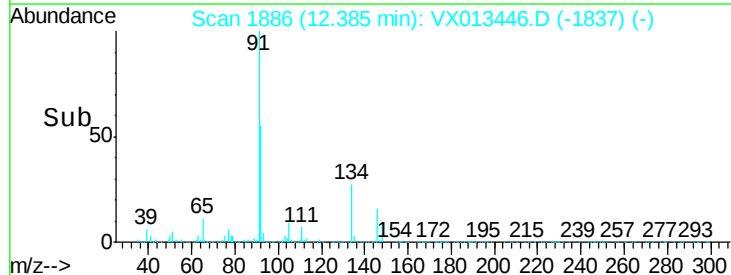
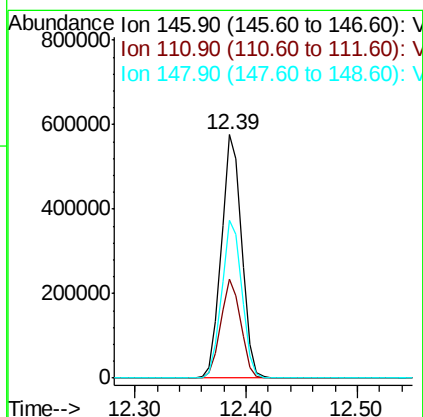
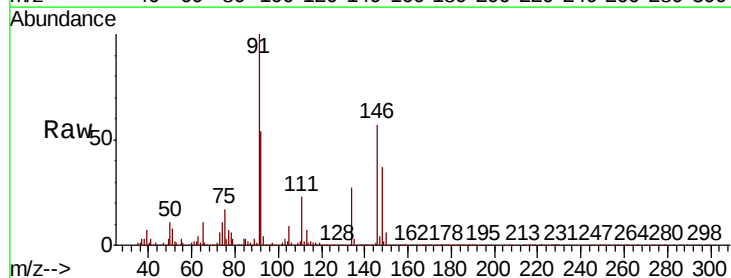
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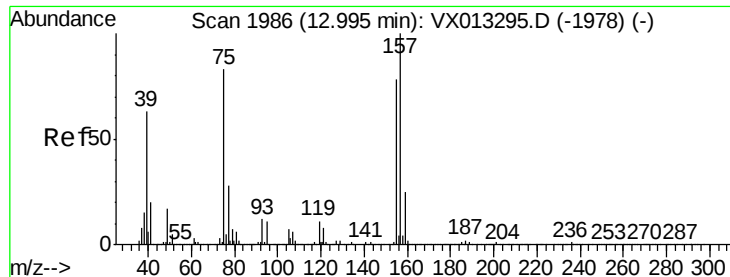
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#91
1,2-Dichlorobenzene
Concen: 51.576 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX013446.D
Acq: 15 Nov 2019 15:12

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	724718		
111	40.0	20.1	60.2	
148	64.5	32.0	96.0	





#92

1,2-Dibromo-3-Chloropropane

Concen: 47.239 ug/l

RT: 12.99 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VX013446.D

Acq: 15 Nov 2019 15:12

Instrument :

MSVOA_X

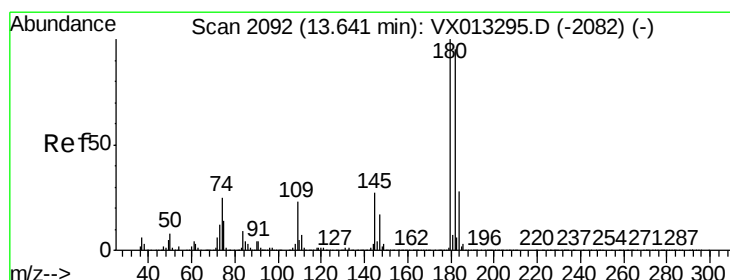
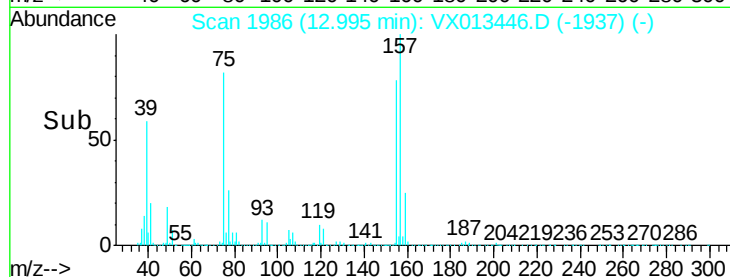
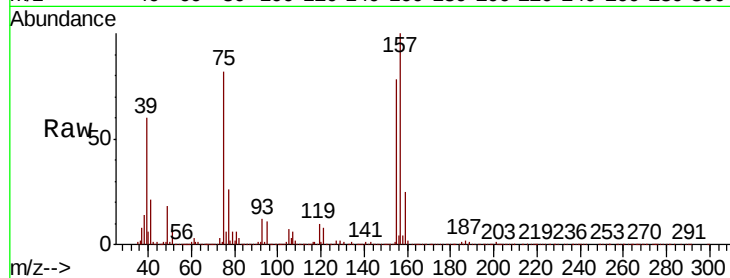
ClientSampleId :

S36-0162MSD

Tot Ion:	75	Resp:	124202
Ion Ratio	Lower	Upper	
75	100		
155	97.7	47.1	141.4
157	124.1	61.3	183.8

Manual Integrations
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#93

1,2,4-Trichlorobenzene

Concen: 49.259 ug/l

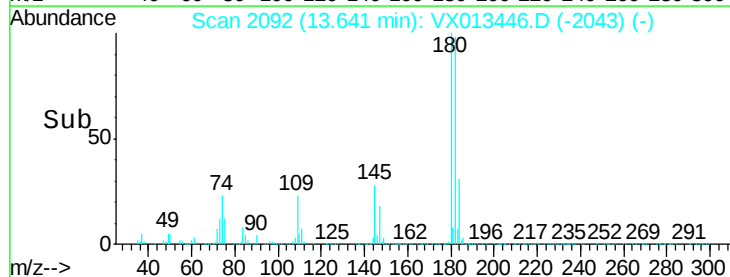
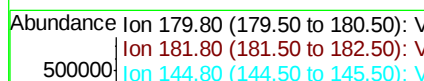
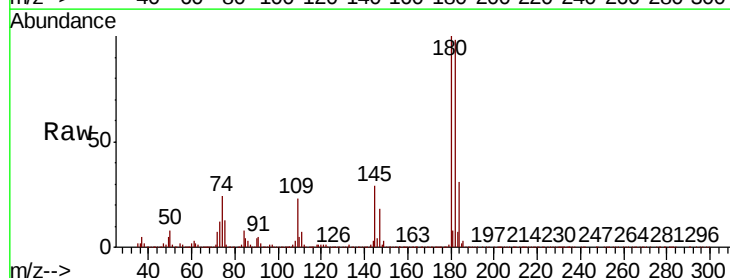
RT: 13.64 min Scan# 2092

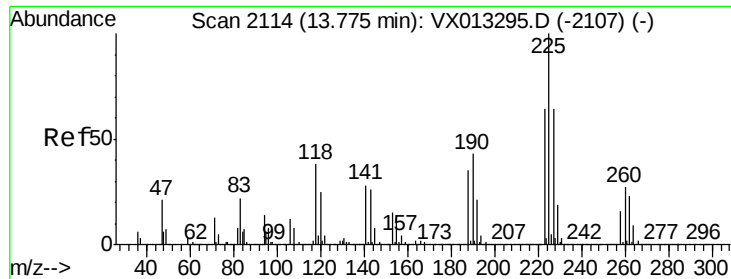
Delta R.T. -0.00 min

Lab File: VX013446.D

Acq: 15 Nov 2019 15:12

Tgt Ion:	180	Resp:	482810
Ion Ratio	Lower	Upper	
180	100		
182	95.0	48.4	145.0
145	28.0	14.1	42.4





#94

Hexachlorobutadiene

Concen: 47.762 ug/l

RT: 13.78 min Scan# 2114

Delta R.T. -0.00 min

Lab File: VX013446.D

Acq: 15 Nov 2019 15:12

Instrument :

MSVOA_X

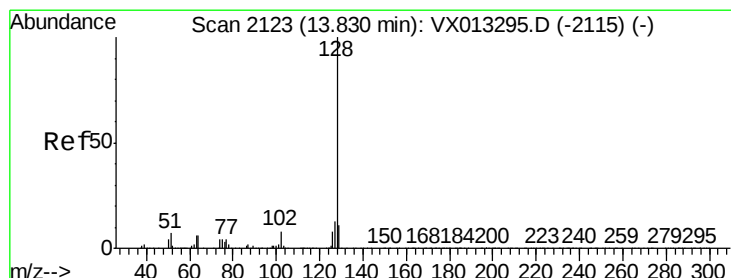
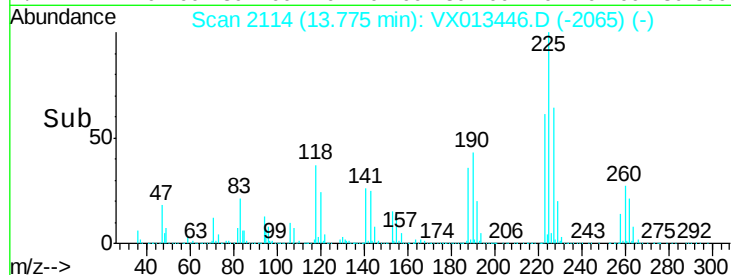
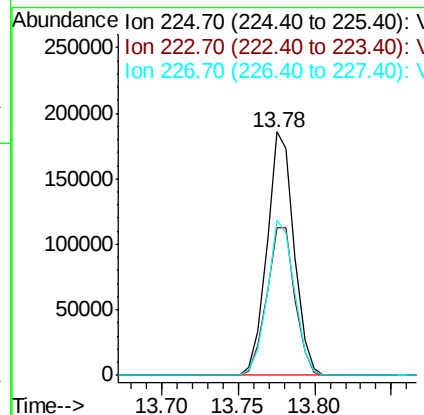
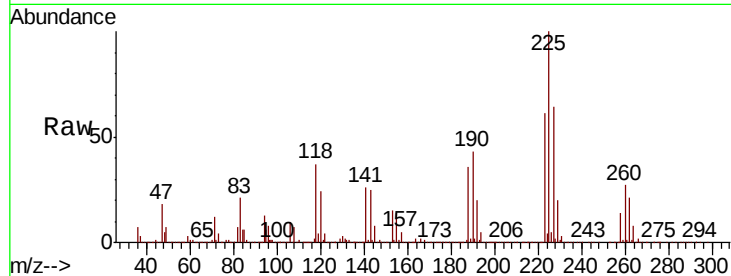
ClientSampleId :

S36-0162MSD

Tot Ion:	225	Resp:	229031
Ion Ratio	Lower	Upper	
225	100		
223	63.3	31.9	95.7
227	63.9	31.9	95.9

Manual Integrations
APPROVED

MMDadoda
11/18/2019 10:24:22 AM



#95

Naphthalene

Concen: 50.413 ug/l

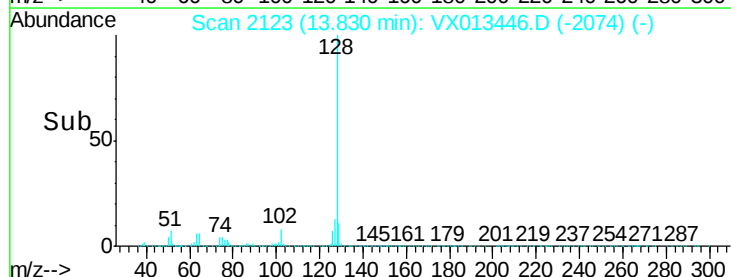
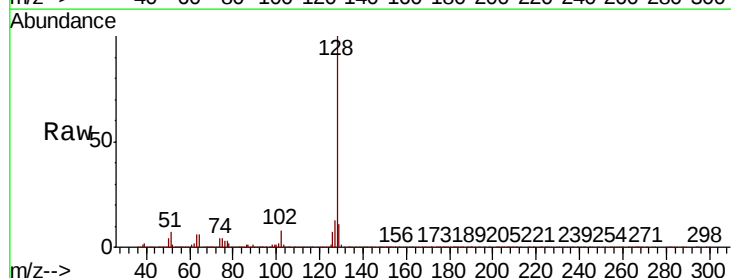
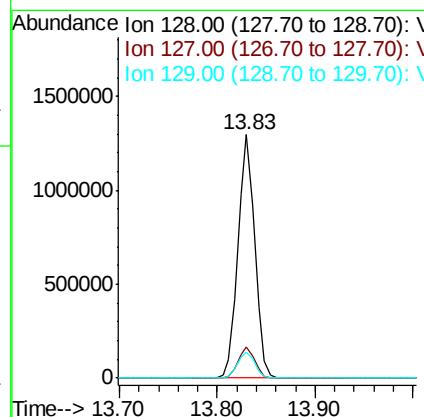
RT: 13.83 min Scan# 2123

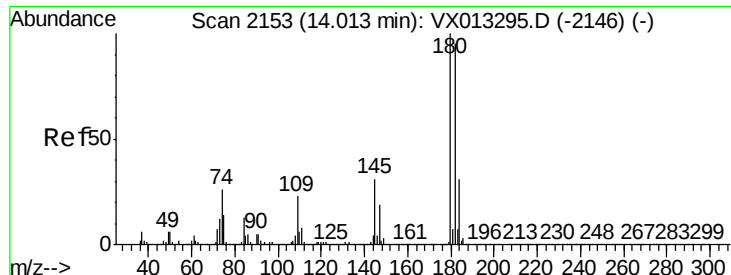
Delta R.T. -0.00 min

Lab File: VX013446.D

Acq: 15 Nov 2019 15:12

Tgt Ion:	128	Resp:	1550327
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.2	15.2
129	11.0	8.5	12.7





#96
 1,2,3-Trichlorobenzene
 Concen: 50.128 ug/l
 RT: 14.01 min Scan# 2153
 Delta R.T. -0.00 min
 Lab File: VX013446.D
 Acq: 15 Nov 2019 15:12

Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0162MSD

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	94.1	48.0	144.2
145	30.0	15.4	46.4

Manual Integrations
 APPROVED

MMDadoda
 11/18/2019 10:24:22 AM

