

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090219\
 Data File : VX012016.D
 Acq On : 02 Sep 2019 15:10
 Operator : SY/SP
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX090219

Manual Integrations
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 9/3/2019 2:15:50 PM

Quant Time: Sep 03 05:22:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090219S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 05:18:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	396989	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	527335	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	501284	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	296247	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	188031	53.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.20%	
35) Dibromofluoromethane	5.48	113	182137	52.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.34%	
50) Toluene-d8	8.71	98	655226	53.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.60%	
62) 4-Bromofluorobenzene	11.14	95	268558	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	121549	50.726	ug/l	97
3) Chloromethane	1.31	50	132061	55.453	ug/l	99
4) Vinyl Chloride	1.39	62	130637	54.002	ug/l	99
5) Bromomethane	1.62	94	94033	54.824	ug/l	99
6) Chloroethane	1.71	64	82965	54.223	ug/l	98
7) Trichlorofluoromethane	1.92	101	230464	52.481	ug/l	99
8) Diethyl Ether	2.17	74	74333	55.668	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	149387	53.418	ug/l	99
10) Methyl Iodide	2.50	142	152065	46.076	ug/l	99
11) Tert butyl alcohol	3.03	59	78466	270.745	ug/l	98
12) 1,1-Dichloroethene	2.36	96	141638	55.509	ug/l	97
13) Acrolein	2.28	56	26336	248.211	ug/l	97
14) Allyl chloride	2.72	41	237829	54.385	ug/l	99
15) Acrylonitrile	3.12	53	189105	276.811	ug/l	99
16) Acetone	2.43	43	174341	253.214	ug/l	97
17) Carbon Disulfide	2.56	76	419982	58.341	ug/l	99
18) Methyl Acetate	2.76	43	99775	55.922	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	420220	55.243	ug/l	99
20) Methylene Chloride	2.84	84	163750	52.655	ug/l	99
21) trans-1,2-Dichloroethene	3.15	96	165145	54.447	ug/l	99
22) Diisopropyl ether	3.84	45	480615	54.649	ug/l	98
23) Vinyl Acetate	3.80	43	1554463	281.111	ug/l	100
24) 1,1-Dichloroethane	3.68	63	275648	53.745	ug/l	99
25) 2-Butanone	4.65	43	259788	276.966	ug/l	100
26) 2,2-Dichloropropane	4.57	77	241173	50.694	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	189369	54.341	ug/l	100
28) Bromochloromethane	5.00	49	109787	52.084	ug/l	98
29) Tetrahydrofuran	5.11	42	162934	282.450	ug/l	99
30) Chloroform	5.19	83	304325	54.059	ug/l	99
31) Cyclohexane	5.57	56	226018	52.896	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	278260	53.128	ug/l	99
36) 1,1-Dichloropropene	5.79	75	216943	53.764	ug/l	99
37) Ethyl Acetate	4.82	43	115032	56.948	ug/l	99
38) Carbon Tetrachloride	5.77	117	262276	53.452	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	257982	52.654	ug/l	100
40) Benzene	6.13	78	637182	54.675	ug/l	98
41) Methacrylonitrile	5.03	41	67389	55.357	ug/l	98
42) 1,2-Dichloroethane	6.18	62	214074	54.224	ug/l	99
43) Isopropyl Acetate	6.43	43	232392	55.659	ug/l	100
44) Trichloroethene	7.20	130	207108	53.507	ug/l	97
45) 1,2-Dichloropropane	7.50	63	158561	54.069	ug/l	98
46) Dibromomethane	7.65	93	96905	55.128	ug/l	99
47) Bromodichloromethane	7.89	83	239817	54.044	ug/l	97
48) Methyl methacrylate	7.76	41	115137	55.923	ug/l	99
49) 1,4-Dioxane	7.73	88	31727	1098.424	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	579728	276.272	ug/l	100
52) Toluene	8.78	92	430834	54.562	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	246988	54.985	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	278646	55.112	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	140251	54.654	ug/l	99
56) Ethyl methacrylate	9.17	69	189333	55.557	ug/l	100
57) 1,3-Dichloropropane	9.37	76	230724	54.746	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	427173	275.835	ug/l	99
59) 2-Hexanone	9.48	43	412566	276.184	ug/l	100
60) Dibromochloromethane	9.57	129	195959	54.932	ug/l	99
61) 1,2-Dibromoethane	9.67	107	142305	55.675	ug/l	99
64) Tetrachloroethene	9.33	164	216534	52.486	ug/l	98
65) Chlorobenzene	10.14	112	504176	53.280	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	204653	53.893	ug/l	100
67) Ethyl Benzene	10.25	91	844134	52.802	ug/l	99
68) m/p-Xylenes	10.35	106	662821	105.586	ug/l	99
69) o-Xylene	10.70	106	320655	52.657	ug/l	100
70) Styrene	10.71	104	564792	54.057	ug/l	99
71) Bromoform	10.85	173	144654	54.901	ug/l #	99
73) Isopropylbenzene	11.01	105	871020	52.688	ug/l	100
74) N-amyl acetate	10.89	43	225043	54.592	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	162247	53.608	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	119248m	50.851	ug/l	
77) Bromobenzene	11.25	156	260872	53.970	ug/l	99
78) n-propylbenzene	11.35	91	981443	52.756	ug/l	100
79) 2-Chlorotoluene	11.42	91	582323	52.873	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	757162	53.094	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	51603	51.911	ug/l	99
82) 4-Chlorotoluene	11.51	91	702522	53.159	ug/l	100
83) tert-Butylbenzene	11.77	119	785095	53.261	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	764966	52.930	ug/l	100
85) sec-Butylbenzene	11.94	105	890536	52.595	ug/l	100
86) p-Isopropyltoluene	12.06	119	873480	52.690	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	477465	52.670	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	476963	52.957	ug/l	100
89) n-Butylbenzene	12.39	91	757413	52.756	ug/l	100
90) Hexachloroethane	12.59	117	165907	53.306	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	439332	53.682	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	32315	54.381	ug/l	97

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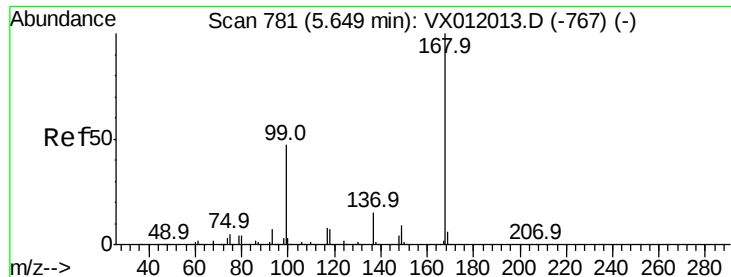
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	381868	53.627	ug/l	100
94) Hexachlorobutadiene	13.78	225	260269	52.314	ug/l	98
95) Naphthalene	13.83	128	606798	55.420	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	340709	54.416	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012016.D

Acq: 02 Sep 2019 15:10

Instrument :

MSVOA_X

ClientSampleId :

ICVVX090219

Tot Ion:168 Resp: 396989

Ion Ratio Lower Upper

168 100

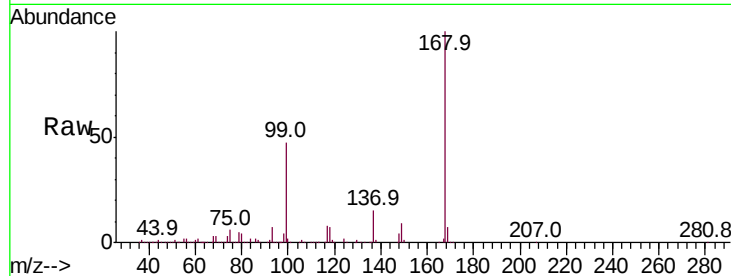
99 47.1 37.6 56.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

150000

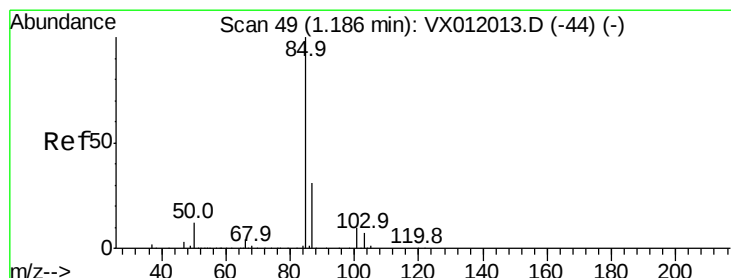
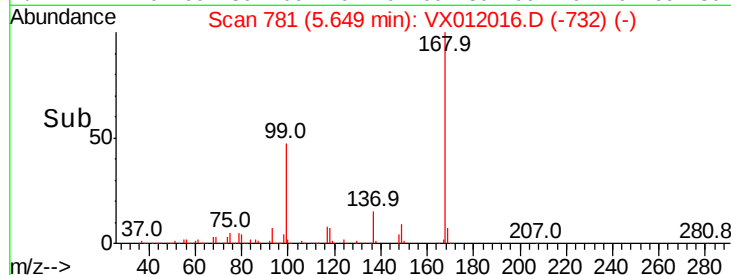
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50000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 50.726 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.00 min

Lab File: VX012016.D

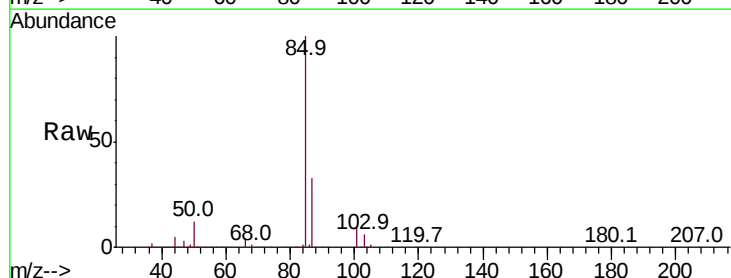
Acq: 02 Sep 2019 15:10

Tgt Ion: 85 Resp: 121549

Ion Ratio Lower Upper

85 100

87 32.8 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

120000

100000

80000

60000

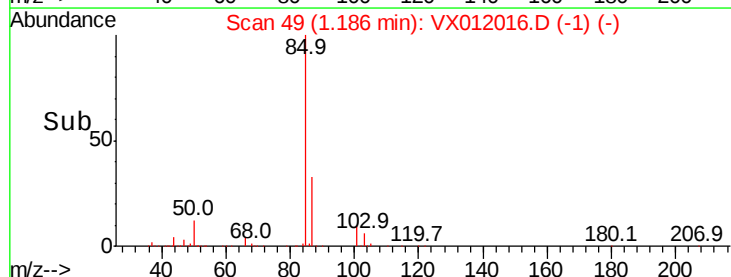
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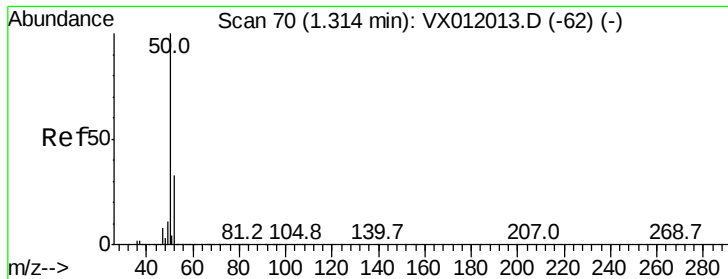
20000

0

1.10 1.20 1.30

Time-->





#3

Chloromethane

Concen: 55.453 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX012016.D

Acq: 02 Sep 2019 15:10

Instrument :

MSVOA_X

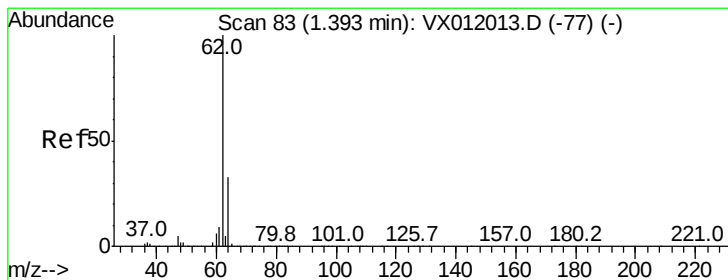
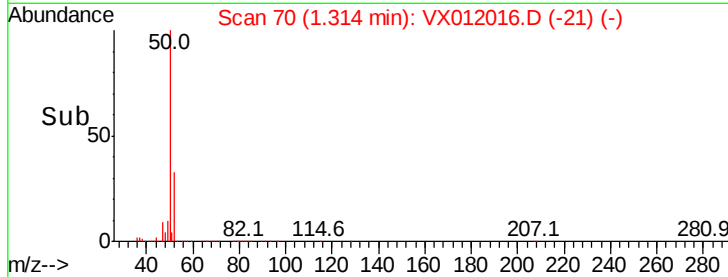
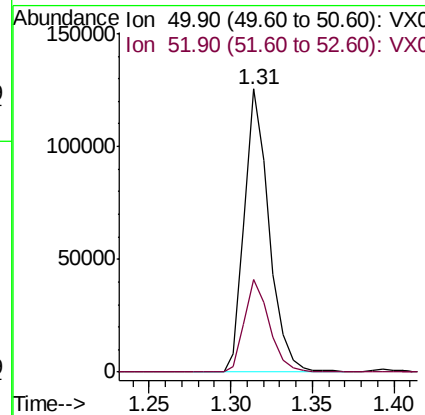
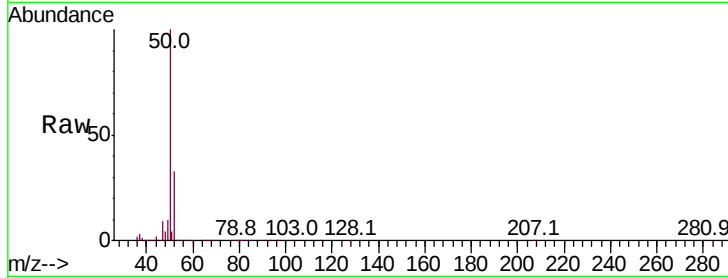
ClientSampleId :

ICVVX090219

Tot Ion: 50 Resp: 132061
 Ion Ratio Lower Upper
 50 100
 52 32.6 26.5 39.7

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#4

Vinyl Chloride

Concen: 54.002 ug/l

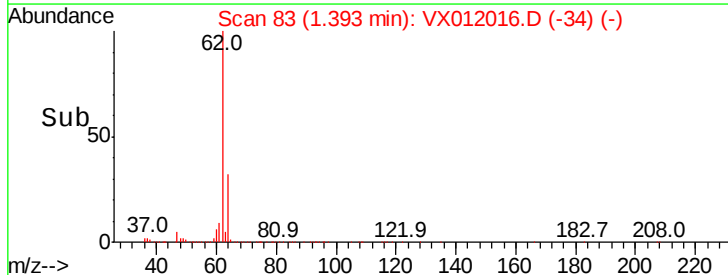
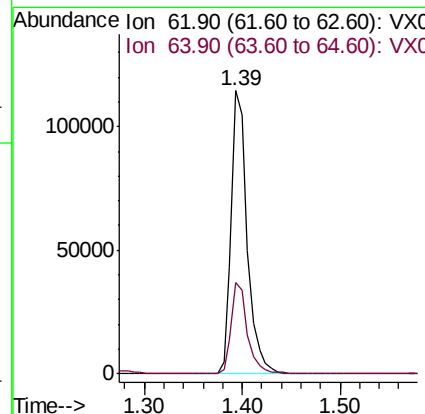
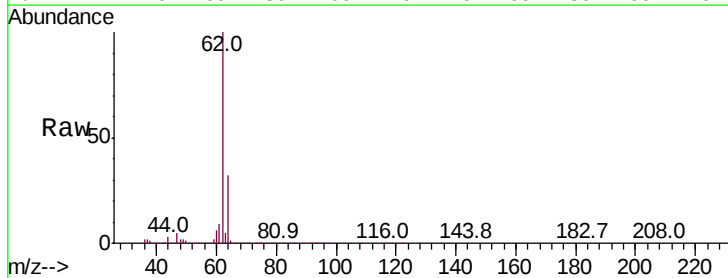
RT: 1.39 min Scan# 83

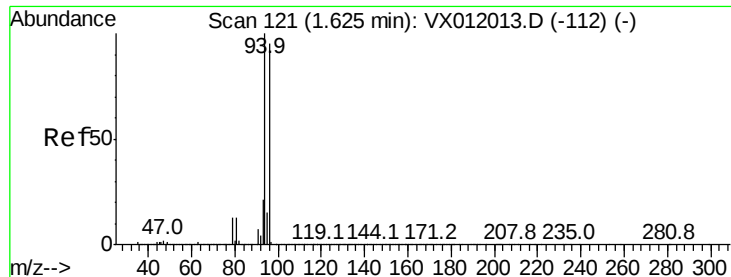
Delta R.T. -0.00 min

Lab File: VX012016.D

Acq: 02 Sep 2019 15:10

Tgt Ion: 62 Resp: 130637
 Ion Ratio Lower Upper
 62 100
 64 32.3 26.2 39.4





#5

Bromomethane

Concen: 54.824 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX012016.D

Acq: 02 Sep 2019 15:10

Instrument :

MSVOA_X

ClientSampleId :

ICVVX090219

Tot Ion: 94 Resp: 94033

Ion Ratio Lower Upper

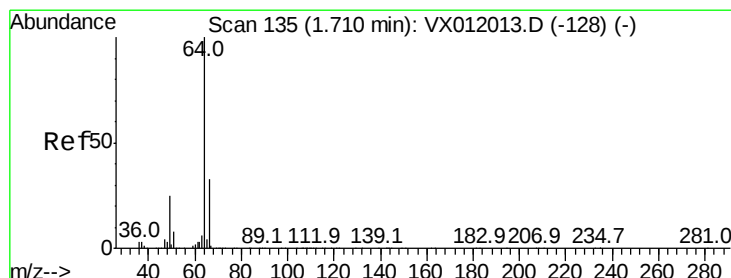
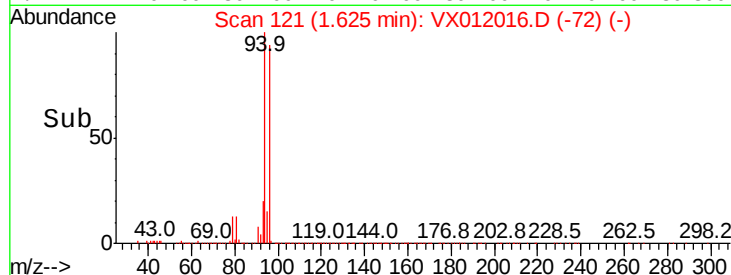
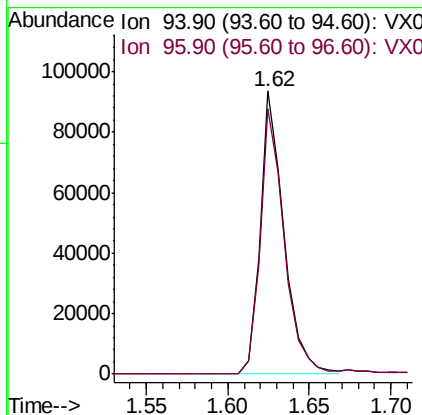
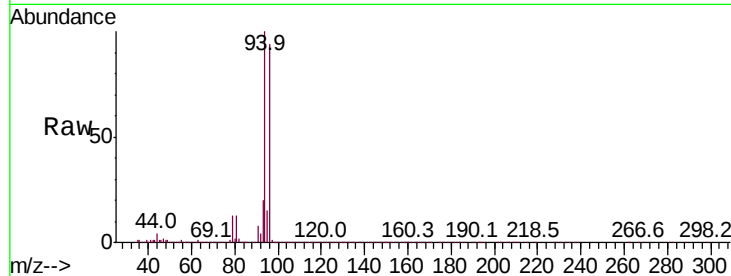
94 100

96 94.0 76.3 114.5

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#6

Chloroethane

Concen: 54.223 ug/l

RT: 1.71 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX012016.D

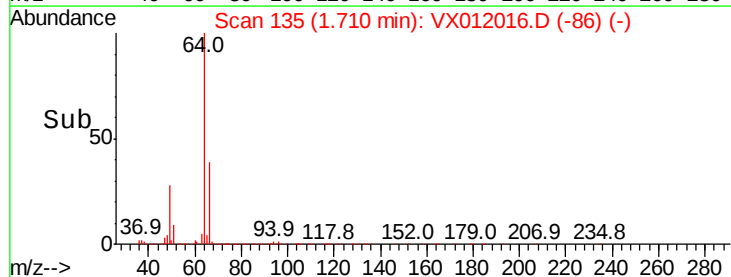
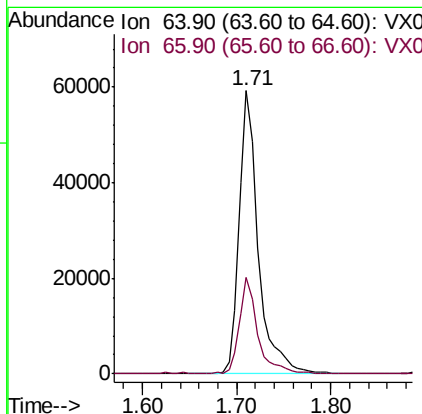
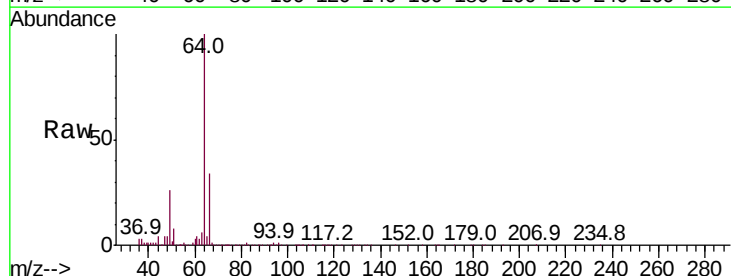
Acq: 02 Sep 2019 15:10

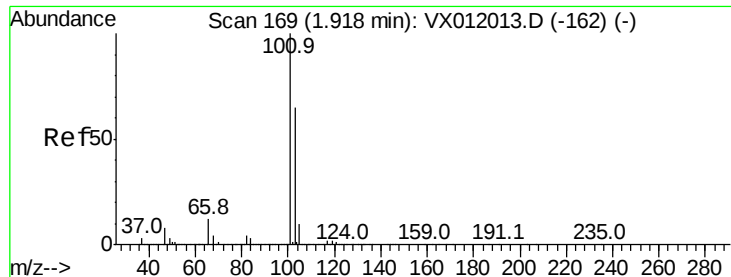
Tgt Ion: 64 Resp: 82965

Ion Ratio Lower Upper

64 100

66 34.2 26.3 39.5





#7

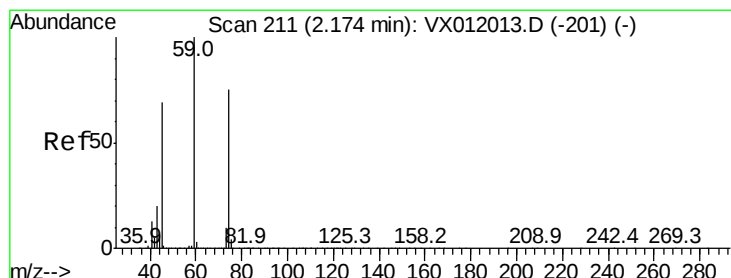
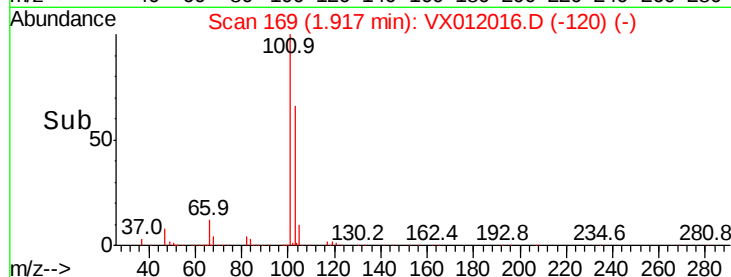
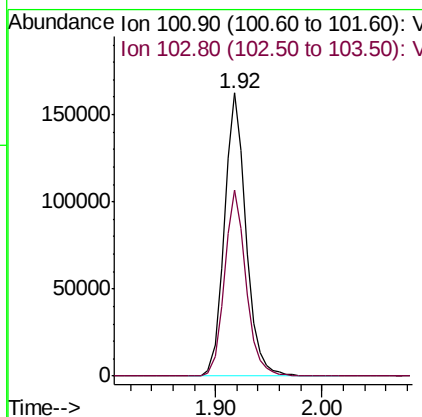
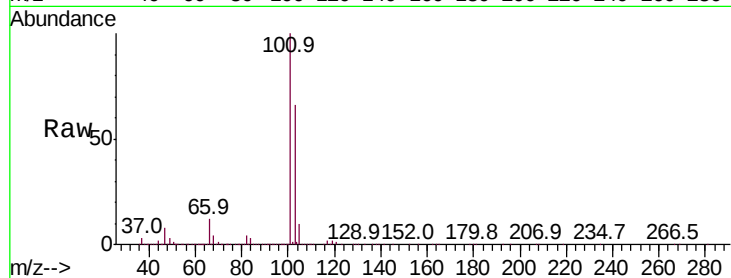
Trichlorofluoromethane
 Concen: 52.481 ug/l
 RT: 1.92 min Scan# 169
 Delta R.T. -0.00 min
 Lab File: VX012016.D
 Acq: 02 Sep 2019 15:10

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 ClientSampleId :
 ICVVX090219

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	51.6	77.4

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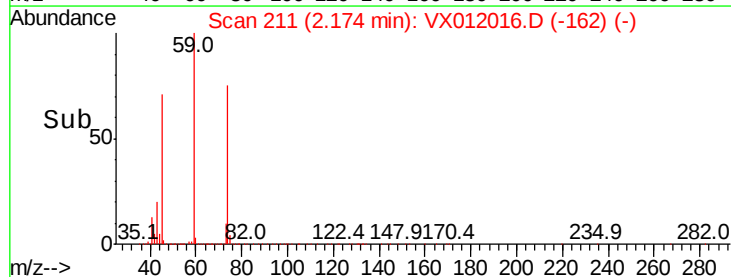
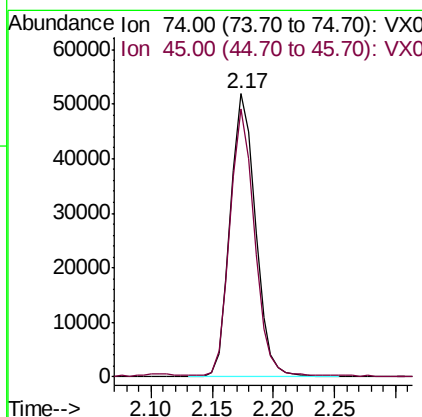
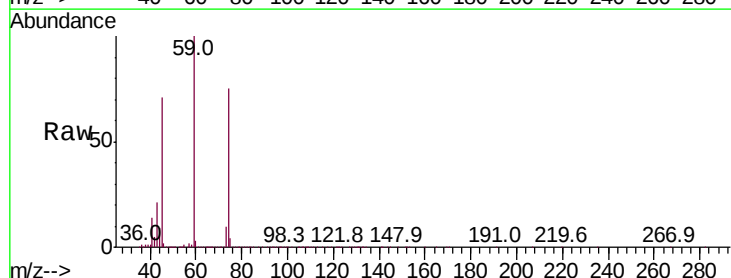
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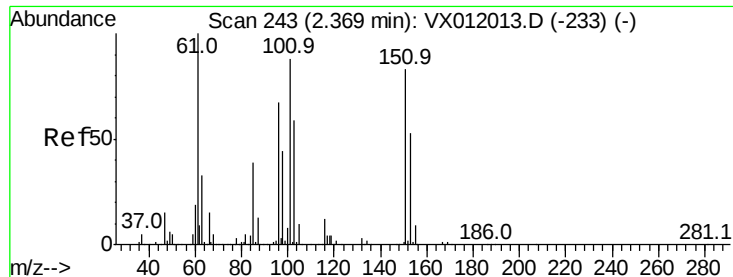


#8

Diethyl Ether
 Concen: 55.668 ug/l
 RT: 2.17 min Scan# 211
 Delta R.T. -0.00 min
 Lab File: VX012016.D
 Acq: 02 Sep 2019 15:10

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.8	45.9	137.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.418 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.00 min

Lab File: VX012016.D

Acq: 02 Sep 2019 15:10

Instrument :

MSVOA_X

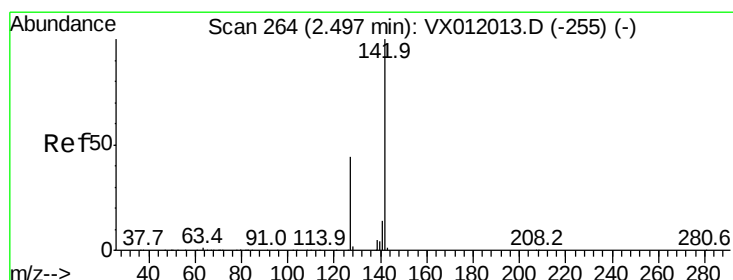
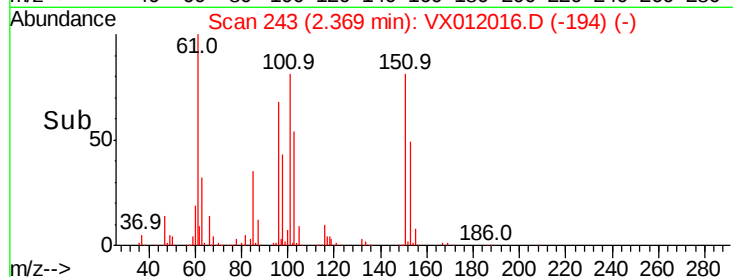
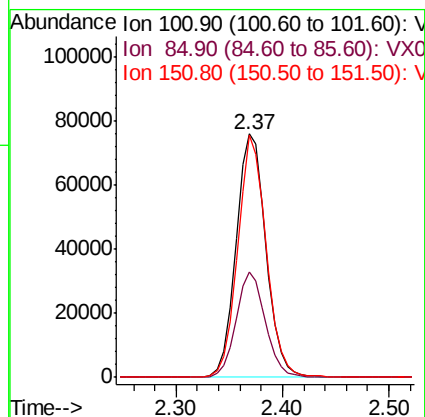
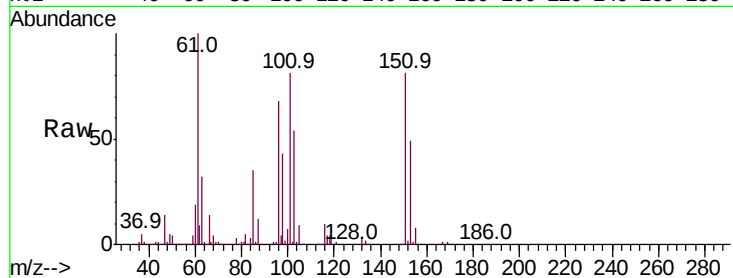
ClientSampleId :

ICVVX090219

Tot Ion:	101	Resp:	149387
Ion Ratio	Lower	Upper	
101	100		
85	42.5	34.5	51.7
151	94.7	75.0	112.4

Manual Integrations
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#10

Methyl Iodide

Concen: 46.076 ug/l

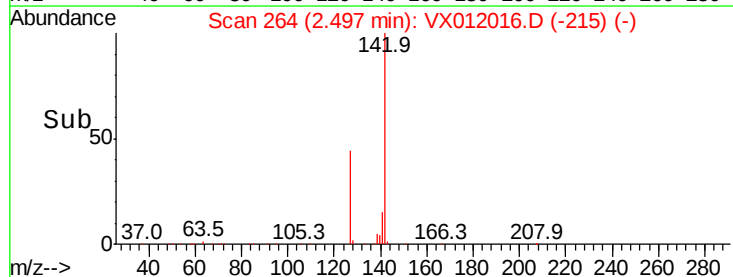
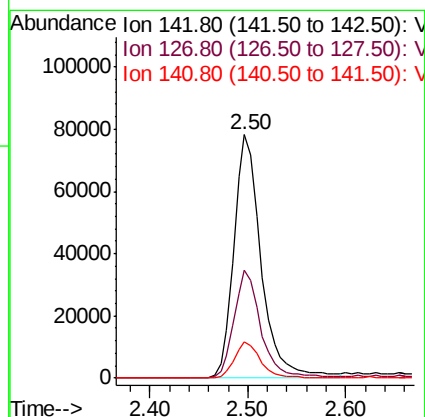
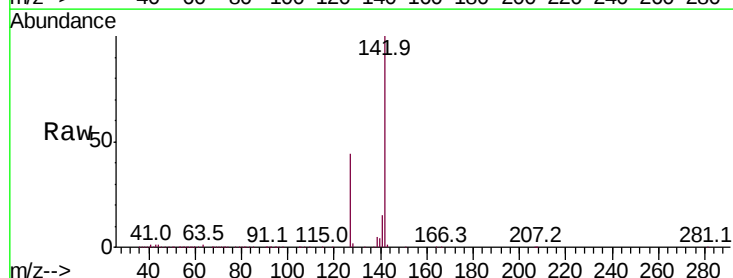
RT: 2.50 min Scan# 264

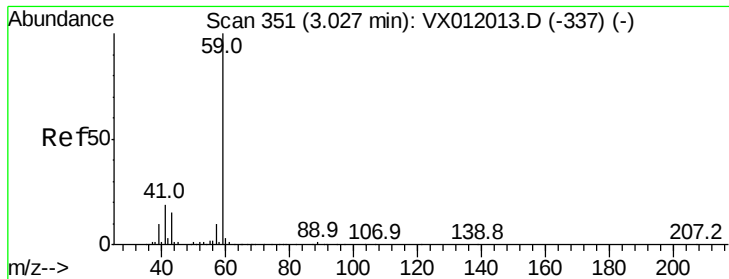
Delta R.T. 0.00 min

Lab File: VX012016.D

Acq: 02 Sep 2019 15:10

Tgt Ion:	142	Resp:	152065
Ion Ratio	Lower	Upper	
142	100		
127	43.4	35.4	53.2
141	14.1	11.4	17.2





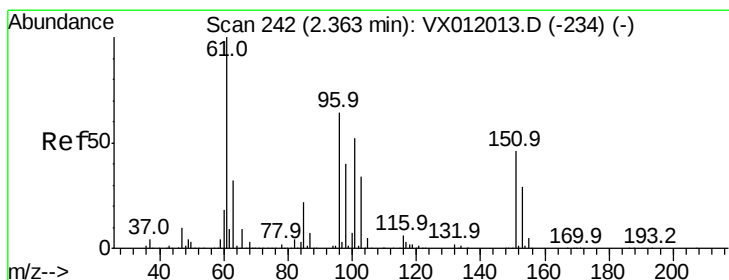
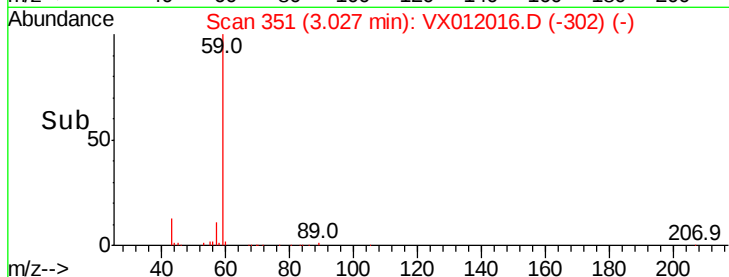
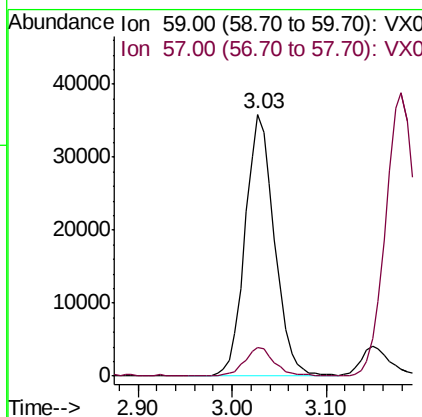
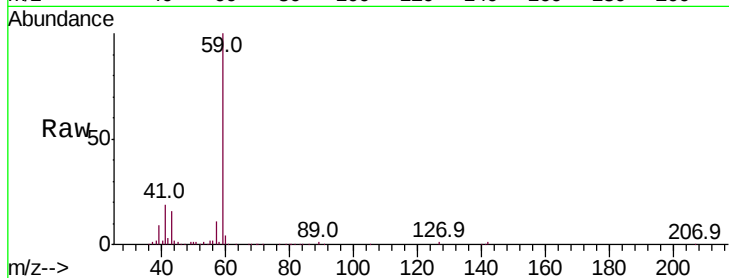
#11
Tert butyl alcohol
Concen: 270.745 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX012016.D
Acq: 02 Sep 2019 15:10

Instrument :
MSVOA_X
ClientSampleId :
ICVVX090219

Tot Ion	59	Resp	78466
Ion Ratio	100	Lower	Upper
57	10.7	7.9	11.9

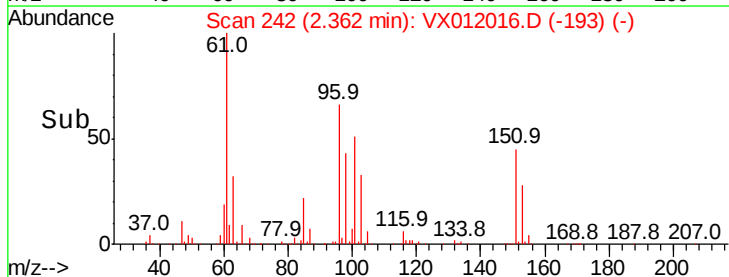
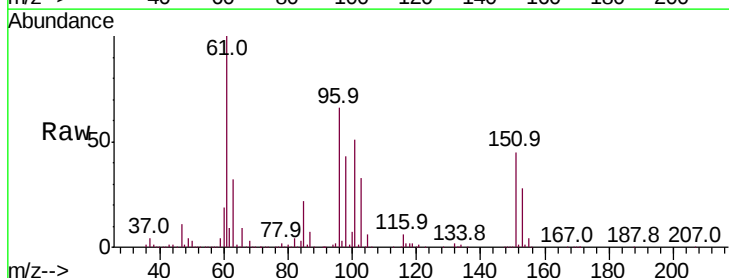
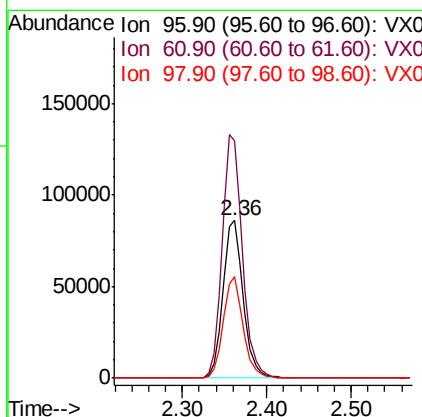
Manual Integrations
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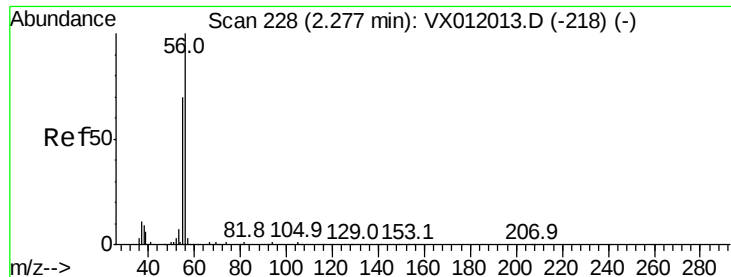
sam
9/3/2019 2:15:50 PM



#12
1,1-Dichloroethene
Concen: 55.509 ug/l
RT: 2.36 min Scan# 242
Delta R.T. -0.00 min
Lab File: VX012016.D
Acq: 02 Sep 2019 15:10

Tgt Ion	96	Resp	141638
Ion Ratio	100	Lower	Upper
61	151.1	124.1	186.1
98	64.7	50.2	75.2





#13

Acrolein

Concen: 248.211 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.01 min

Lab File: VX012016.D

Acq: 02 Sep 2019 15:10

Instrument :

MSVOA_X

ClientSampleId :

ICVVX090219

Tot Ion: 56 Resp: 26336

Ion Ratio Lower Upper

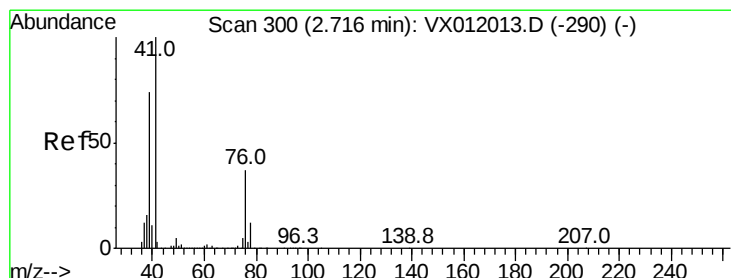
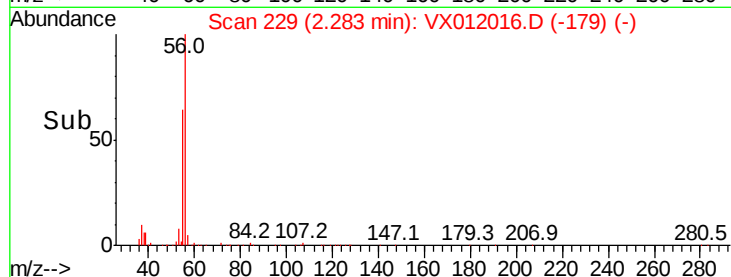
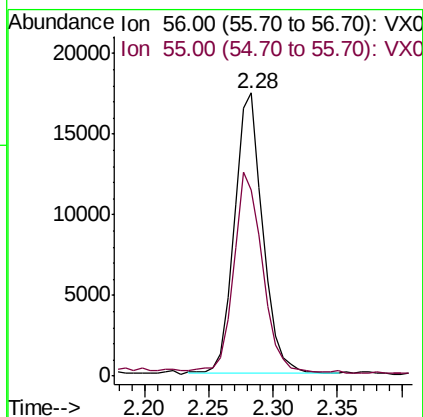
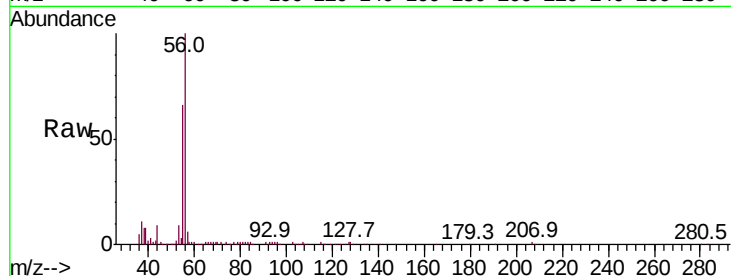
56 100

55 71.8 59.2 88.8

Manual Integrations
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sam

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#14

Allyl chloride

Concen: 54.385 ug/l

RT: 2.72 min Scan# 300

Delta R.T. -0.00 min

Lab File: VX012016.D

Acq: 02 Sep 2019 15:10

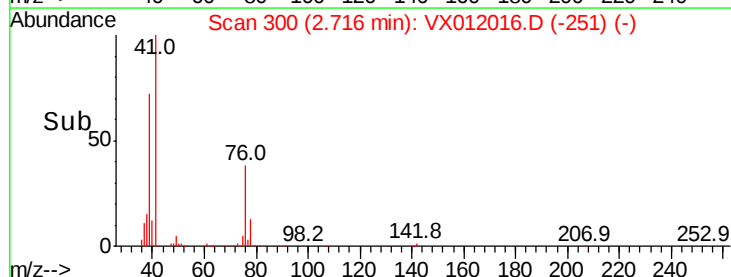
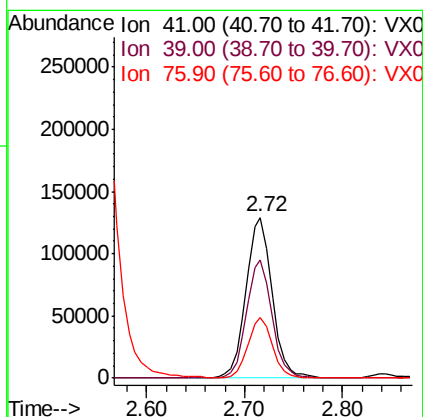
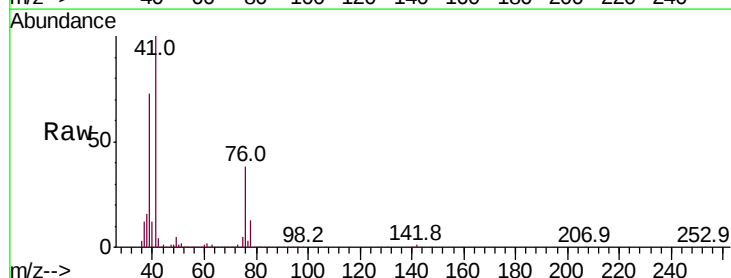
Tgt Ion: 41 Resp: 237829

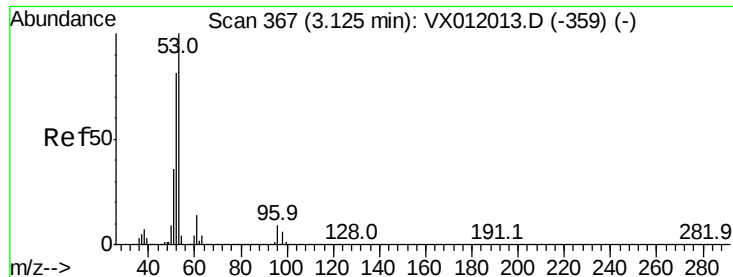
Ion Ratio Lower Upper

41 100

39 71.2 57.9 86.9

76 36.0 28.5 42.7





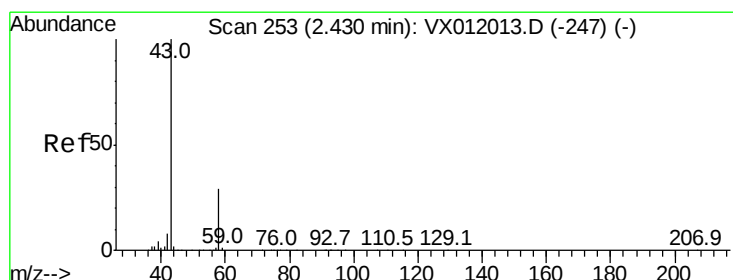
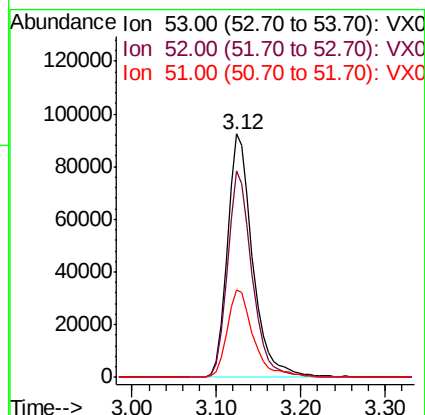
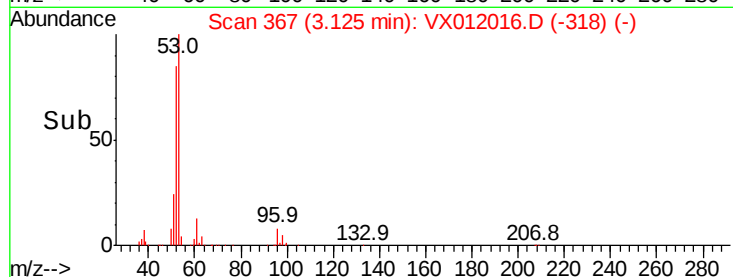
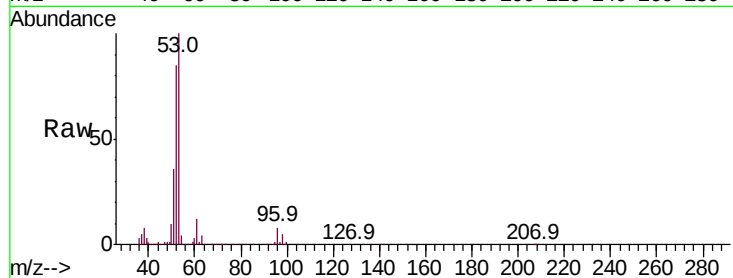
#15
 Acrylonitrile
 Concen: 276.811 ug/l
 RT: 3.12 min Scan# 367
 Delta R.T. -0.00 min
 Lab File: VX012016.D
 Acq: 02 Sep 2019 15:10

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX090219

Tot Ion:	53	Resp:	189105
Ion Ratio	Lower	Upper	
53	100		
52	82.6	65.6	98.4
51	37.4	29.8	44.6

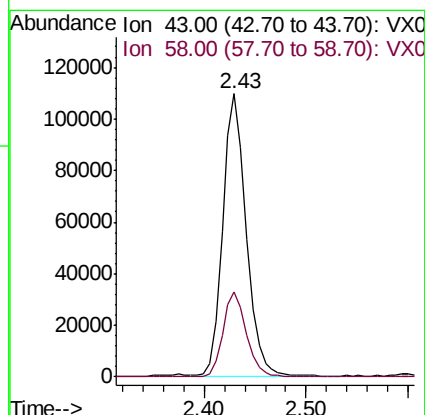
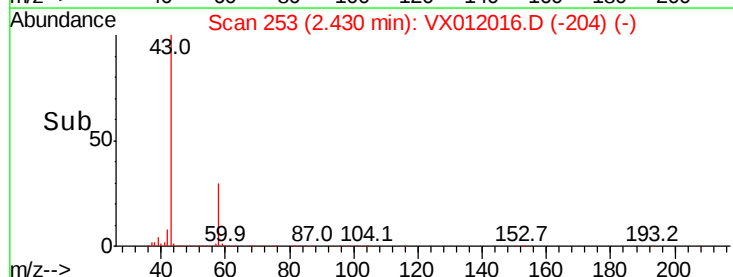
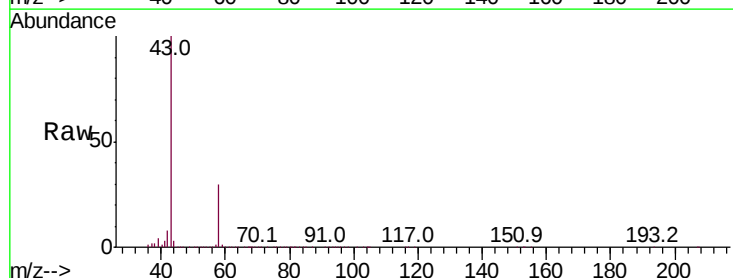
Manual Integrations
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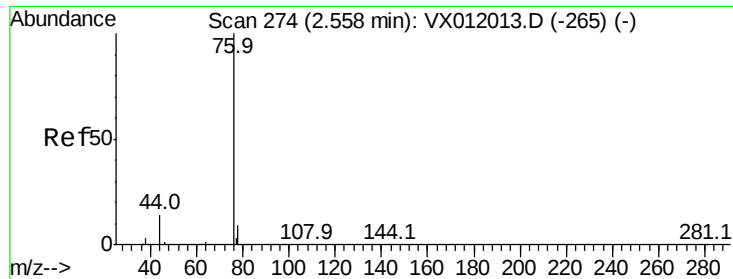
sam
 9/3/2019 2:15:50 PM



#16
 Acetone
 Concen: 253.214 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. -0.00 min
 Lab File: VX012016.D
 Acq: 02 Sep 2019 15:10

Tgt Ion:	43	Resp:	174341
Ion Ratio	Lower	Upper	
43	100		
58	30.1	22.8	34.2





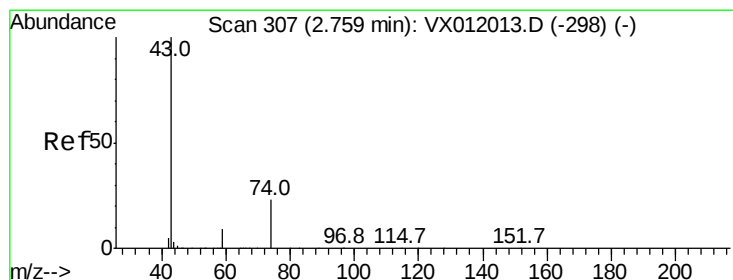
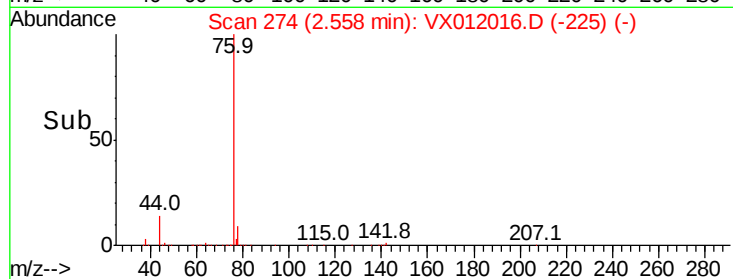
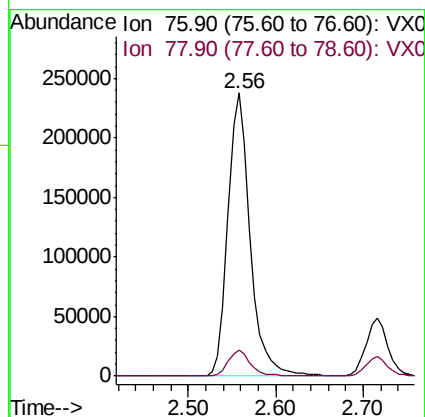
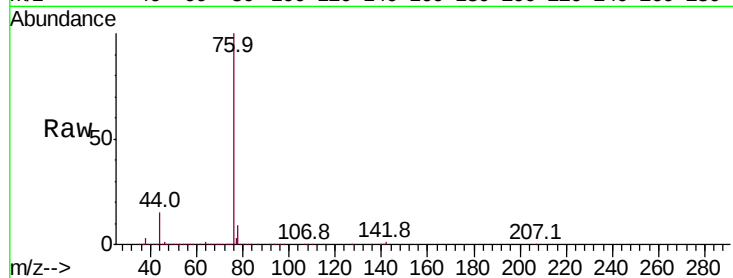
#17
Carbon Disulfide
Concen: 58.341 ug/l
RT: 2.56 min Scan# 274
Delta R.T. -0.00 min
Lab File: VX012016.D
Acq: 02 Sep 2019 15:10

Instrument :
MSVOA_X
ClientSampleId :
ICVVX090219

Tot Ion	Ratio	Resp	Lower	Upper
76	100	419982		
78	9.1		7.4	11.2

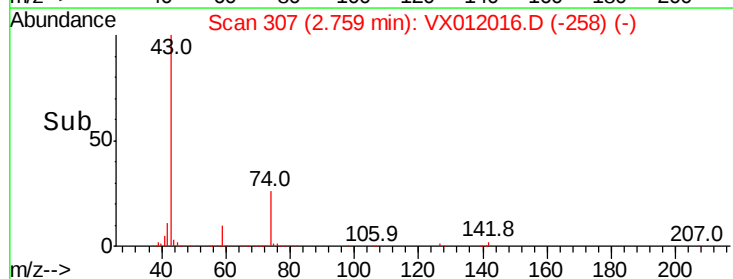
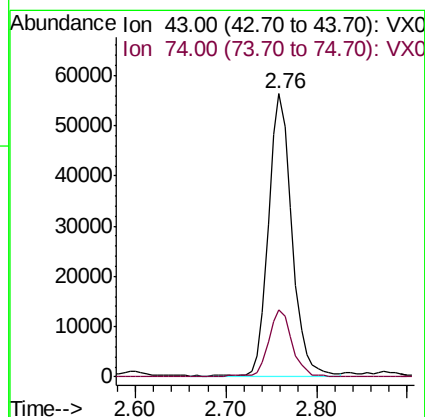
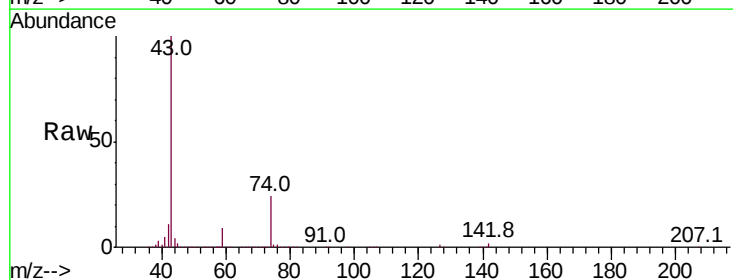
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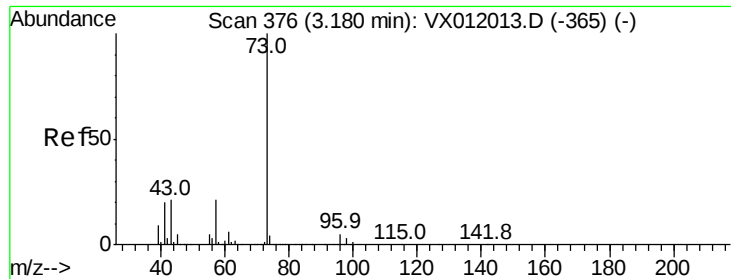
sam
9/3/2019 2:15:50 PM



#18
Methyl Acetate
Concen: 55.922 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.00 min
Lab File: VX012016.D
Acq: 02 Sep 2019 15:10

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	99775		
74	23.7		19.5	29.3





#19

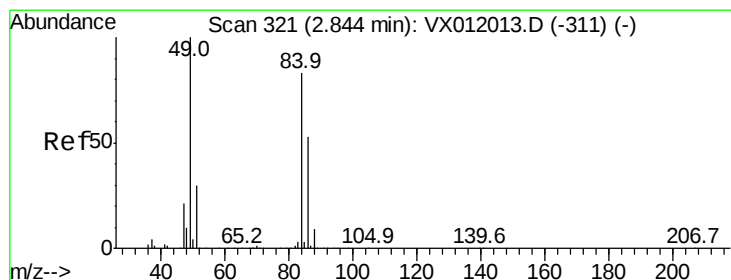
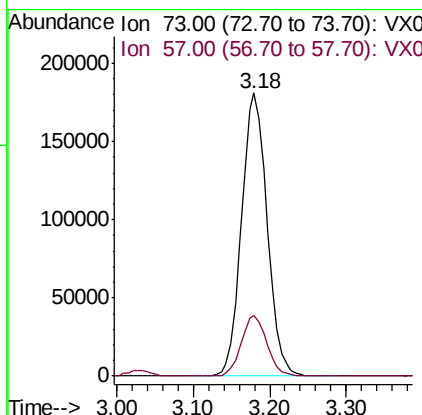
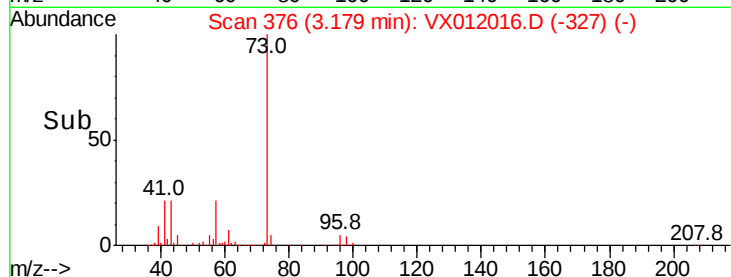
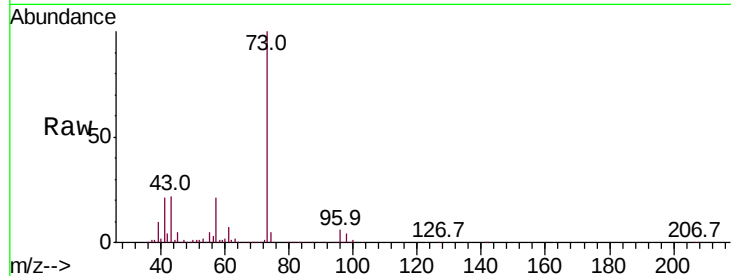
Methyl tert-butyl Ether
 Concen: 55.243 ug/l
 RT: 3.18 min Scan# 376
 Delta R.T. -0.00 min
 Lab File: VX012016.D
 Acq: 02 Sep 2019 15:10

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX090219

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.4	16.6	25.0

Manual Integrations
 APPROVED

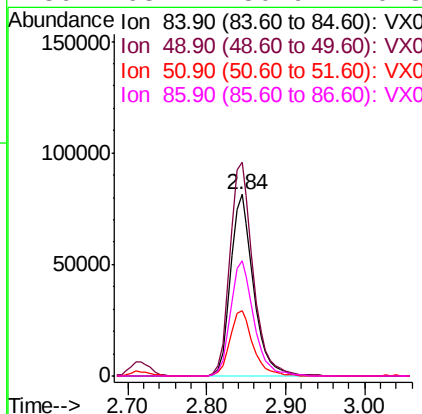
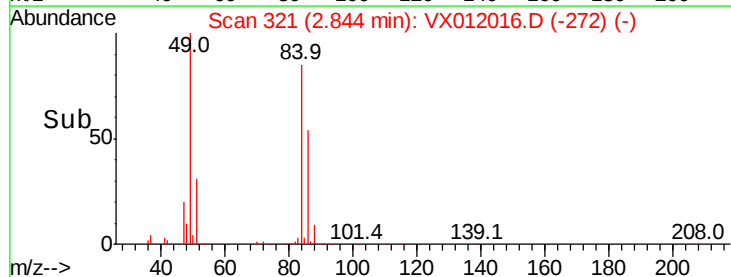
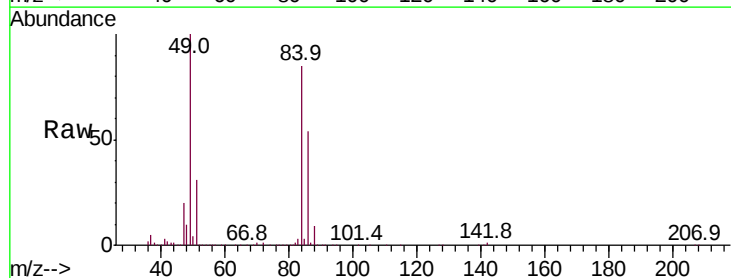
sam
 9/3/2019 2:15:50 PM

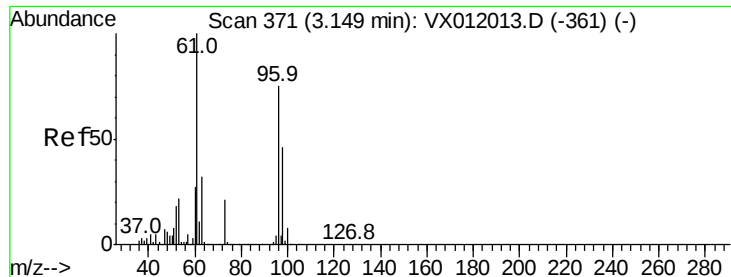


#20

Methylene Chloride
 Concen: 52.655 ug/l
 RT: 2.84 min Scan# 321
 Delta R.T. -0.00 min
 Lab File: VX012016.D
 Acq: 02 Sep 2019 15:10

Tgt Ion	Ratio	Lower	Upper
84	100		
49	117.3	95.8	143.8
51	35.8	28.6	43.0
86	63.7	50.9	76.3





#21

trans-1,2-Dichloroethene

Concen: 54.447 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.00 min

Lab File: VX012016.D

Acq: 02 Sep 2019 15:10

Instrument :

MSVOA_X

ClientSampleId :

ICVVX090219

Tot Ion: 96 Resp: 165145

Ion Ratio Lower Upper

96 100

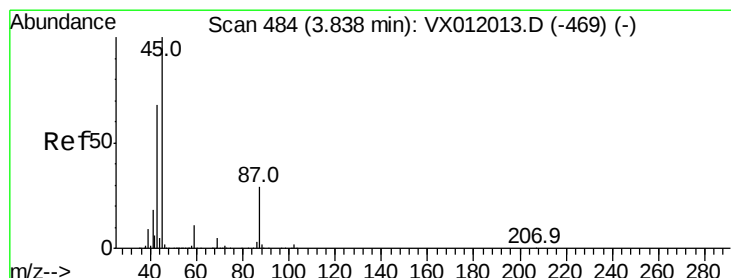
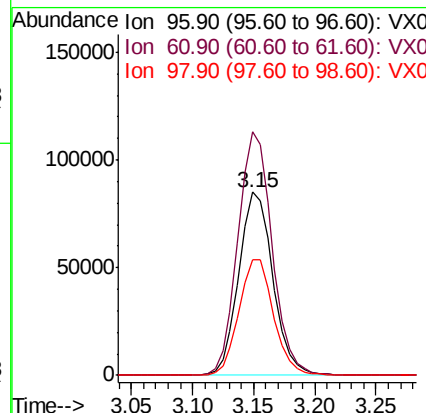
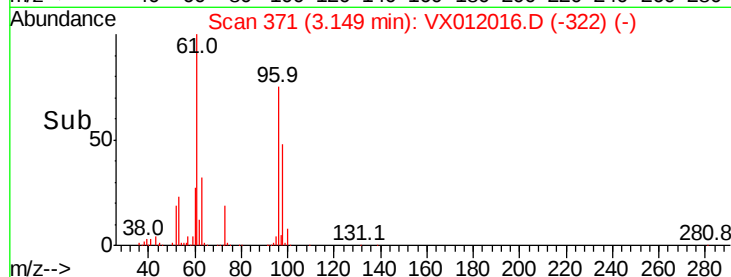
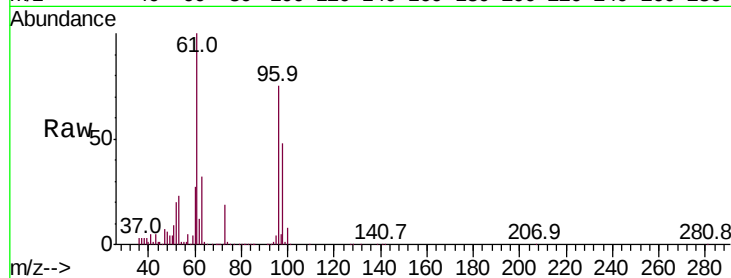
61 132.8 107.0 160.6

98 63.3 49.8 74.6

Manual Integrations
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sam

9/3/2019 2:15:50 PM



#22

Diisopropyl ether

Concen: 54.649 ug/l

RT: 3.84 min Scan# 484

Delta R.T. -0.00 min

Lab File: VX012016.D

Acq: 02 Sep 2019 15:10

Tgt Ion: 45 Resp: 480615

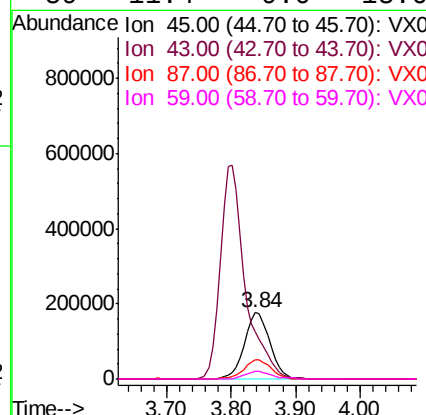
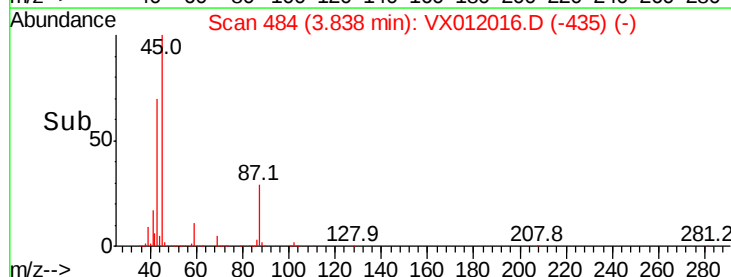
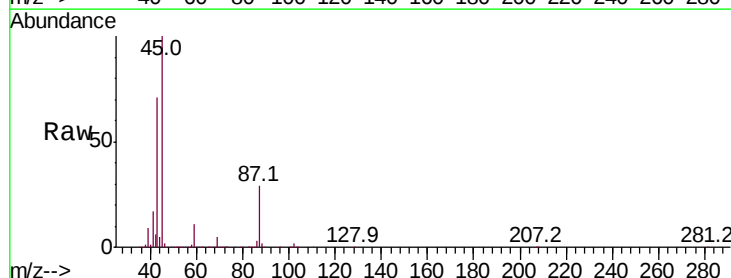
Ion Ratio Lower Upper

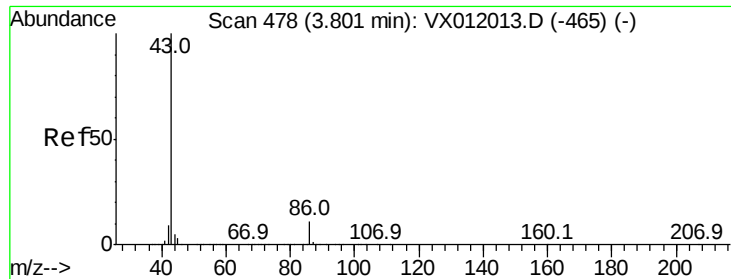
45 100

43 70.4 54.2 81.4

87 29.3 23.4 35.0

59 11.4 9.0 13.6





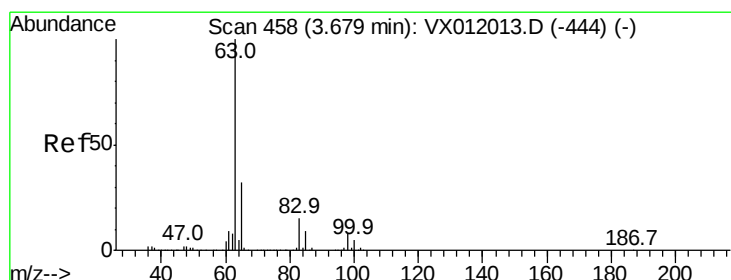
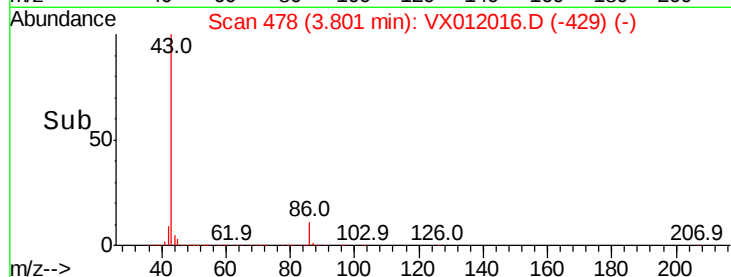
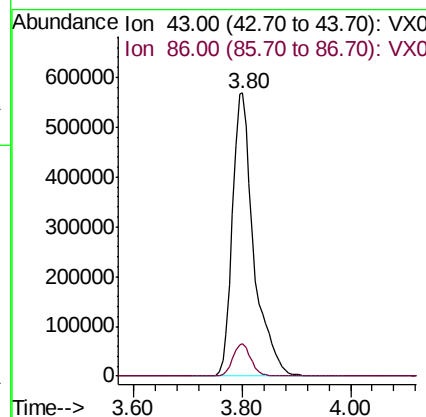
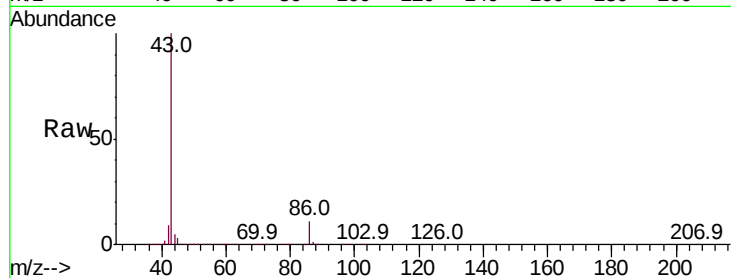
#23
 Vinyl Acetate
 Concen: 281.111 ug/l
 RT: 3.80 min Scan# 478
 Delta R.T. -0.00 min
 Lab File: VX012016.D
 Acq: 02 Sep 2019 15:10

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX090219

Tot Ion: 43 Resp: 1554463
 Ion Ratio Lower Upper
 43 100
 86 11.5 9.0 13.6

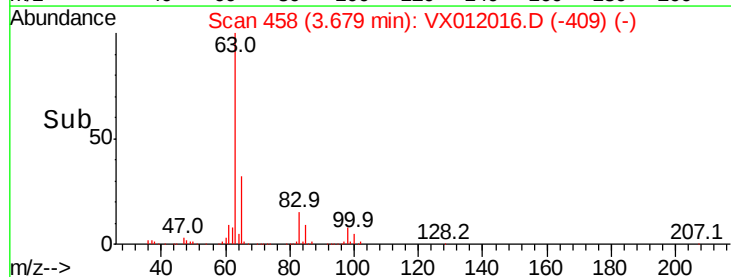
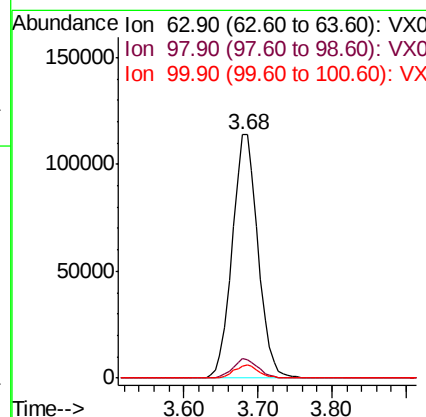
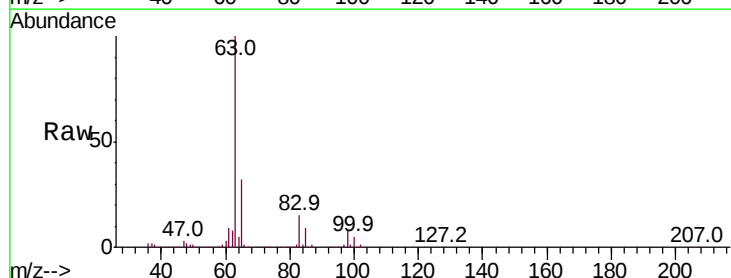
Manual Integrations
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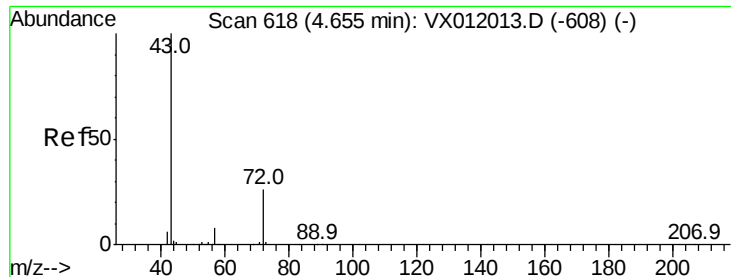
sam
 9/3/2019 2:15:50 PM



#24
 1,1-Dichloroethane
 Concen: 53.745 ug/l
 RT: 3.68 min Scan# 458
 Delta R.T. -0.00 min
 Lab File: VX012016.D
 Acq: 02 Sep 2019 15:10

Tgt Ion: 63 Resp: 275648
 Ion Ratio Lower Upper
 63 100
 98 8.1 3.9 11.7
 100 4.7 2.5 7.4





#25

2-Butanone

Concen: 276.966 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.00 min

Lab File: VX012016.D

Acq: 02 Sep 2019 15:10

Instrument :

MSVOA_X

ClientSampled :

ICVVX090219

Tot Ion: 43 Resp: 259788

Ion Ratio Lower Upper

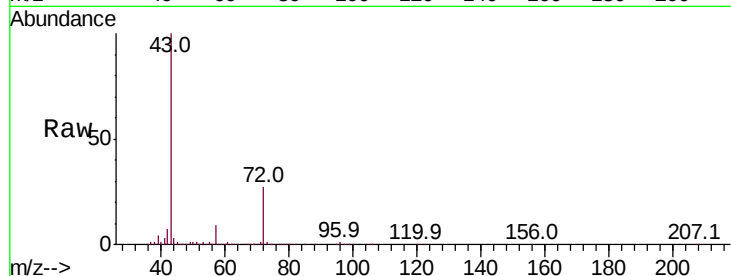
43 100

72 26.5 21.3 31.9

Manual Integrations
APPROVED

sam

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

100000

80000

60000

40000

20000

0

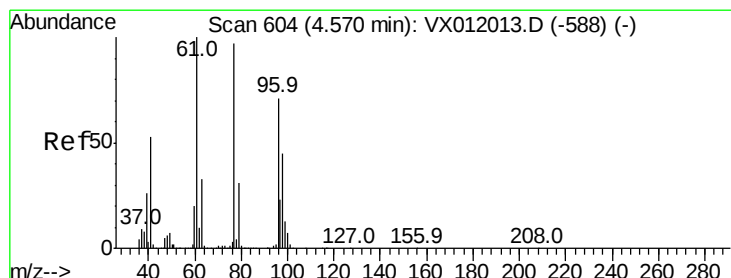
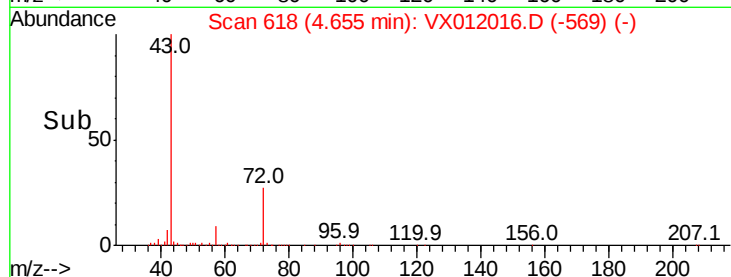
4.60

4.65

4.70

4.80

Time-->



#26

2,2-Dichloropropane

Concen: 50.694 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX012016.D

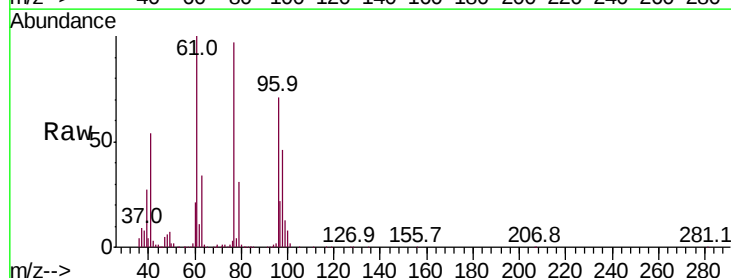
Acq: 02 Sep 2019 15:10

Tgt Ion: 77 Resp: 241173

Ion Ratio Lower Upper

77 100

97 23.3 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

80000

60000

40000

20000

0

4.40

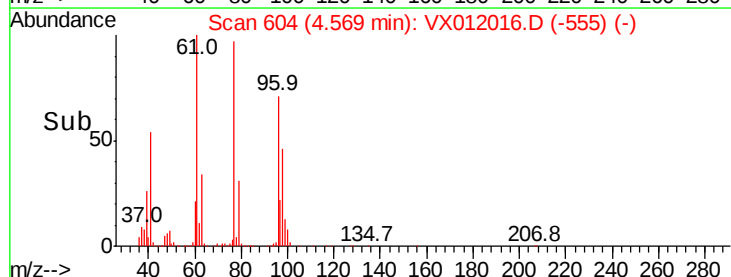
4.50

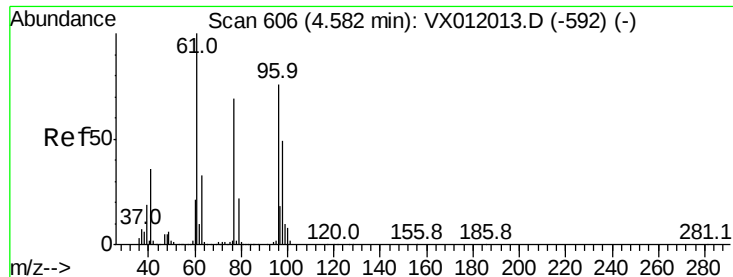
4.57

4.60

4.70

Time-->





#27

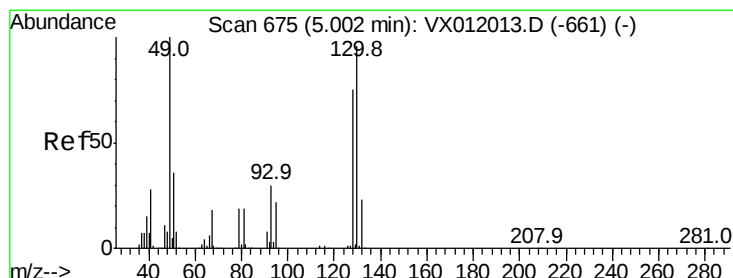
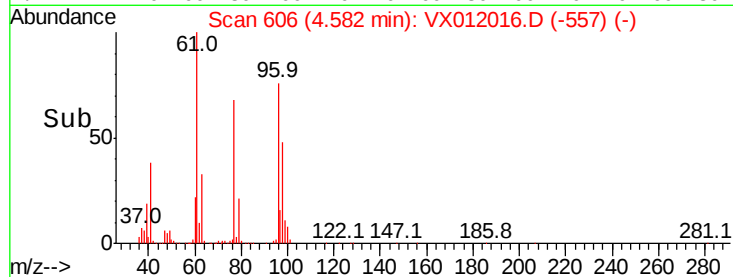
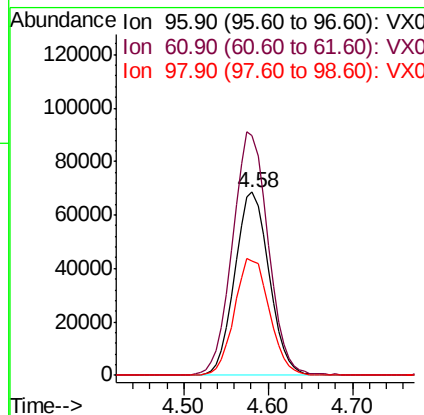
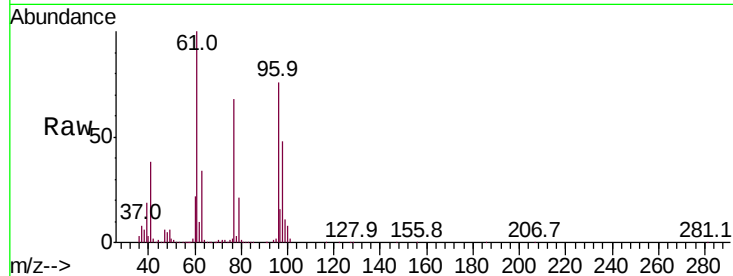
cis-1,2-Dichloroethene
 Concen: 54.341 ug/l
 RT: 4.58 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VX012016.D
 Acq: 02 Sep 2019 15:10

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX090219

Tot Ion	Ratio	Resp	Lower	Upper
96	100	189369		
61	138.5	0.0	277.0	
98	65.3	0.0	128.4	

Manual Integrations
 APPROVED

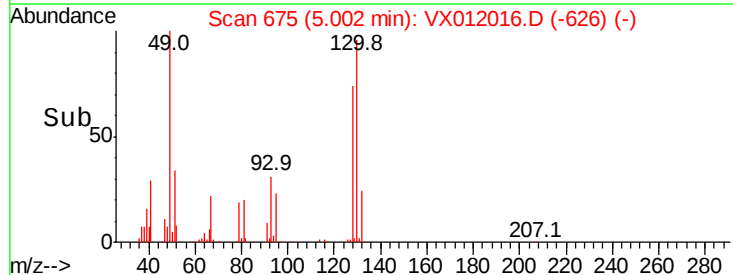
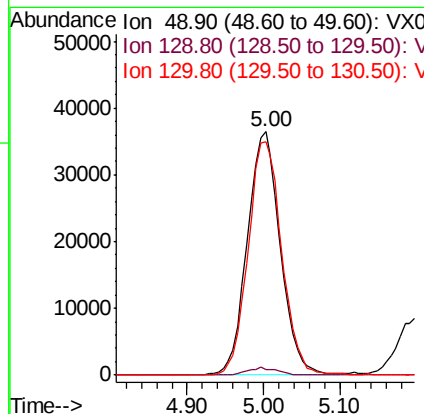
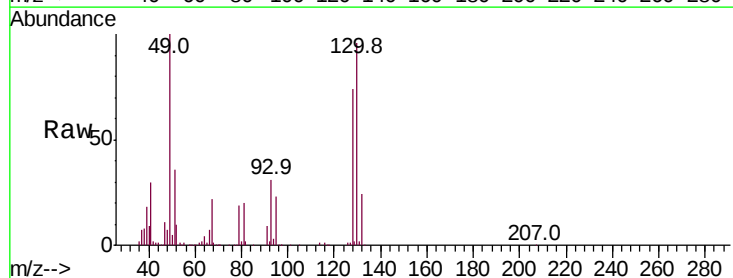
sam
 9/3/2019 2:15:50 PM

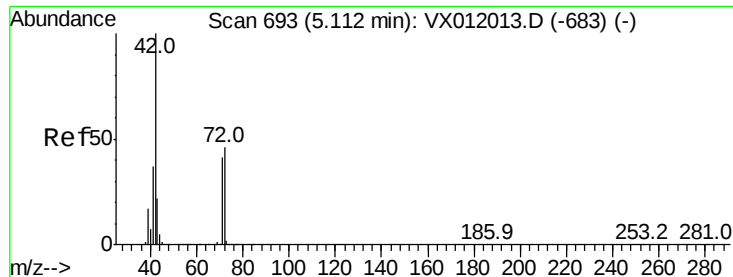


#28

Bromochloromethane
 Concen: 52.084 ug/l
 RT: 5.00 min Scan# 675
 Delta R.T. -0.00 min
 Lab File: VX012016.D
 Acq: 02 Sep 2019 15:10

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	109787		
129	2.7	0.0	5.6	
130	97.5	76.7	115.1	





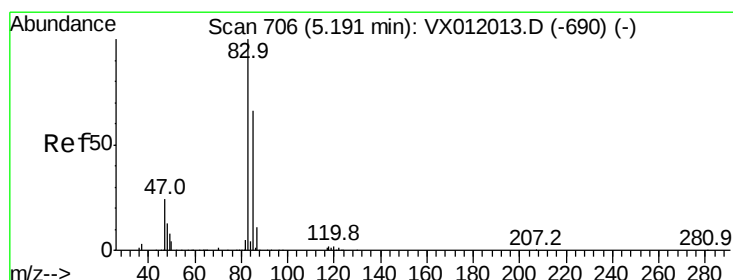
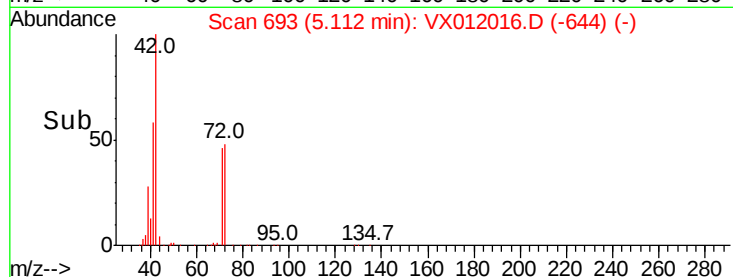
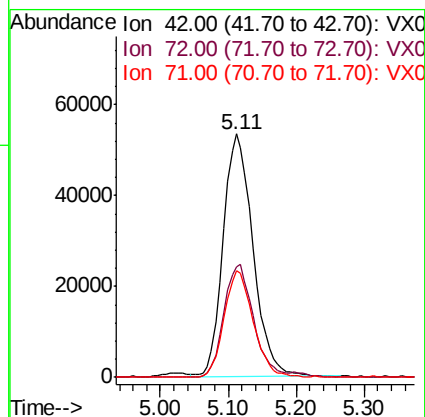
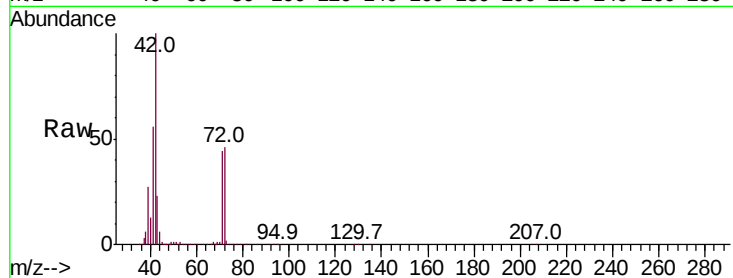
#29
Tetrahydrofuran
Concen: 282.450 ug/l
RT: 5.11 min Scan# 693
Delta R.T. -0.00 min
Lab File: VX012016.D
Acq: 02 Sep 2019 15:10

Instrument :
MSVOA_X
ClientSampleId :
ICVVX090219

Tot Ion	Ratio	Resp	Lower	Upper
42	100	162934		
72	47.1		37.0	55.4
71	43.0		33.8	50.8

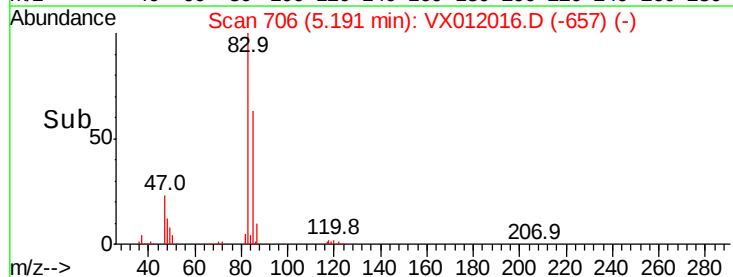
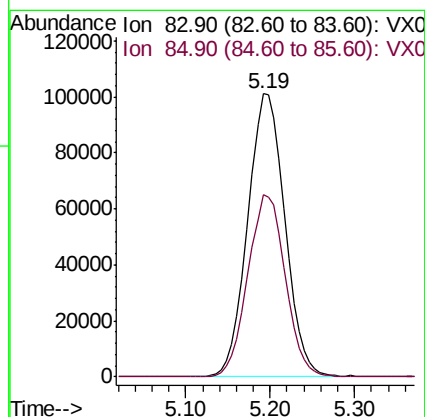
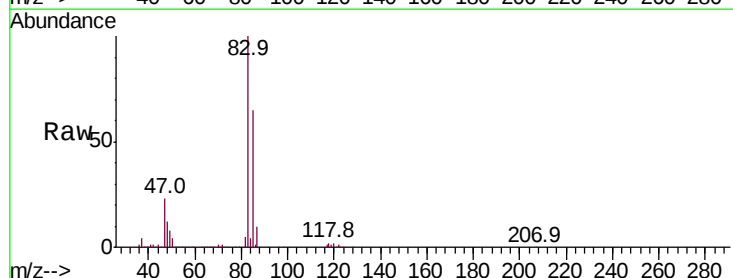
Manual Integrations
APPROVED

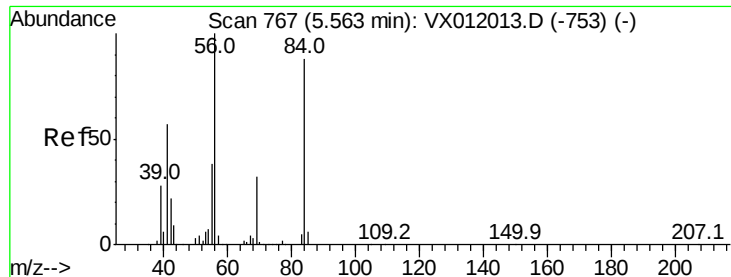
sam
9/3/2019 2:15:50 PM



#30
Chloroform
Concen: 54.059 ug/l
RT: 5.19 min Scan# 706
Delta R.T. -0.00 min
Lab File: VX012016.D
Acq: 02 Sep 2019 15:10

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	304325		
85	64.5		52.6	78.8





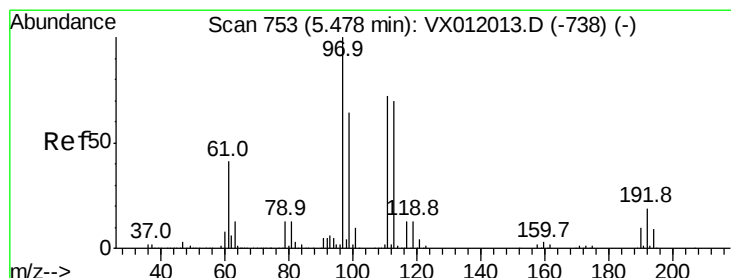
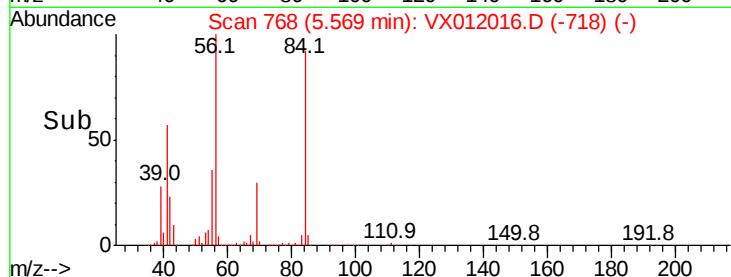
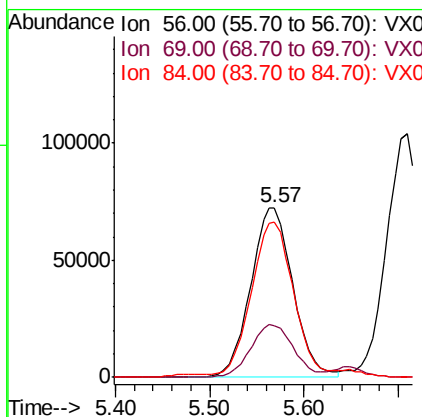
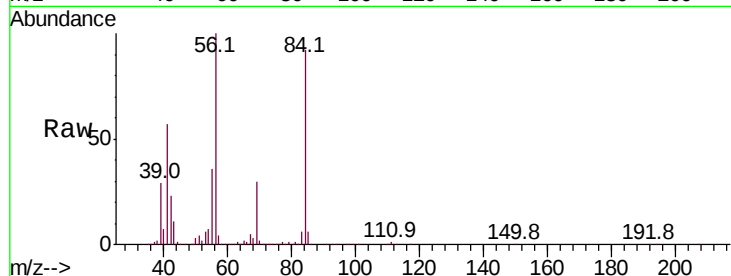
#31
Cyclohexane
Concen: 52.896 ug/l
RT: 5.57 min Scan# 768
Delta R.T. 0.01 min
Lab File: VX012016.D
Acq: 02 Sep 2019 15:10

Instrument :
MSVOA_X
ClientSampled :
ICVVX090219

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.4	25.7	38.5
84	89.7	70.3	105.5

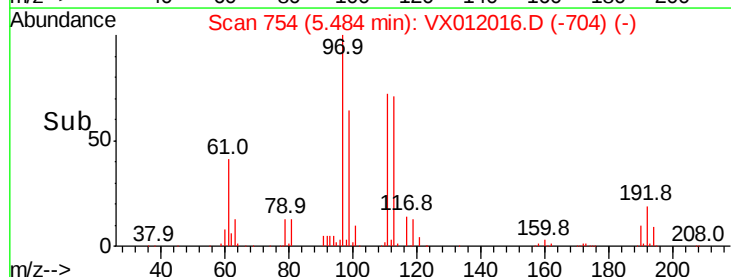
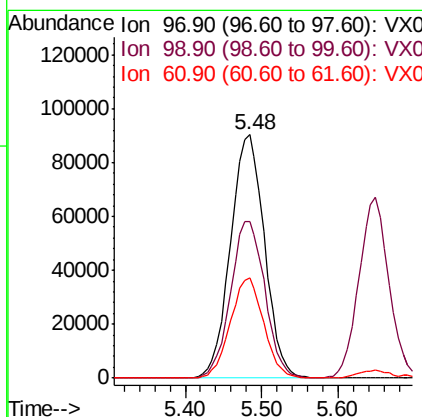
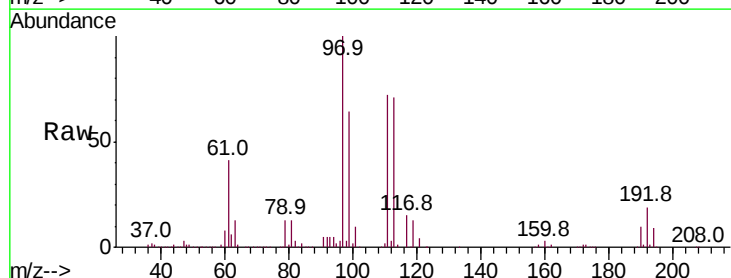
Manual Integrations
APPROVED

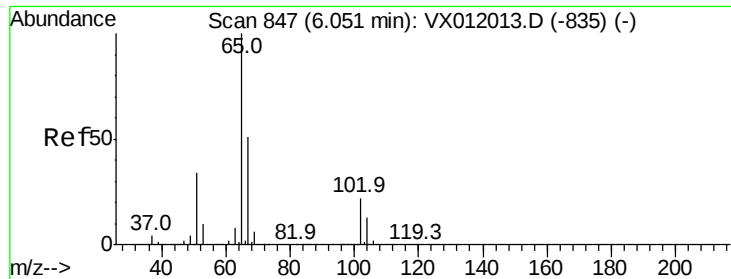
sam
9/3/2019 2:15:50 PM



#32
1,1,1-Trichloroethane
Concen: 53.128 ug/l
RT: 5.48 min Scan# 754
Delta R.T. 0.01 min
Lab File: VX012016.D
Acq: 02 Sep 2019 15:10

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	52.1	78.1
61	40.5	32.8	49.2





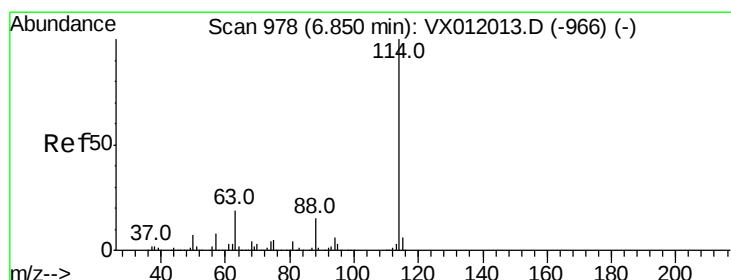
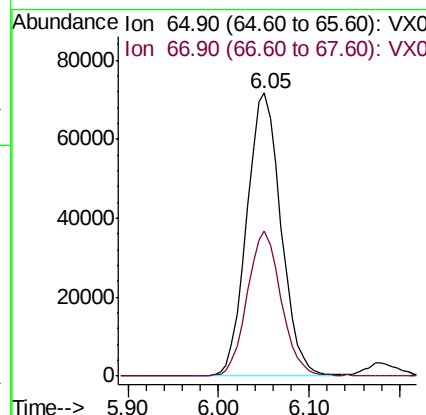
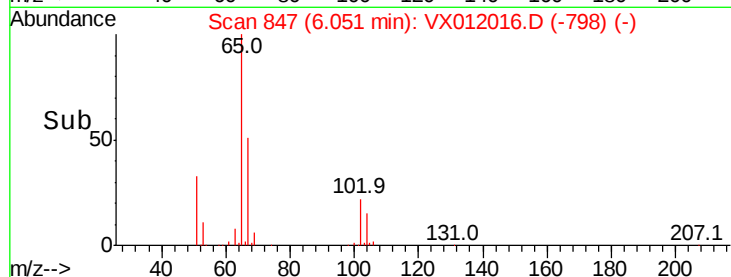
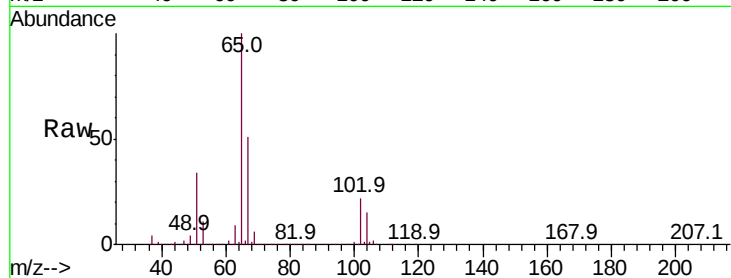
#33
 1,2-Dichloroethane-d4
 Concen: 53.595 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX012016.D
 Acq: 02 Sep 2019 15:10

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX090219

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	50.6	0.0	102.0	

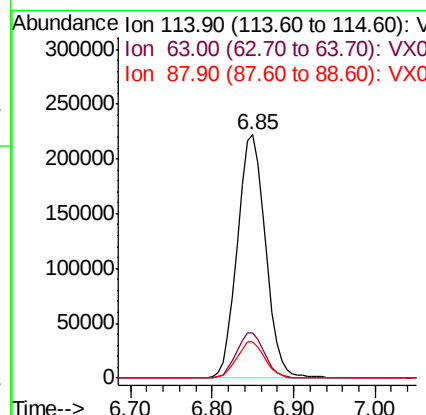
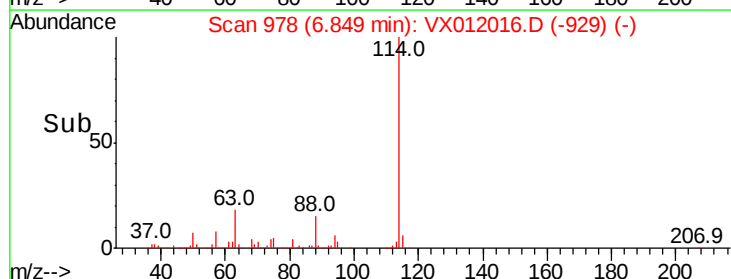
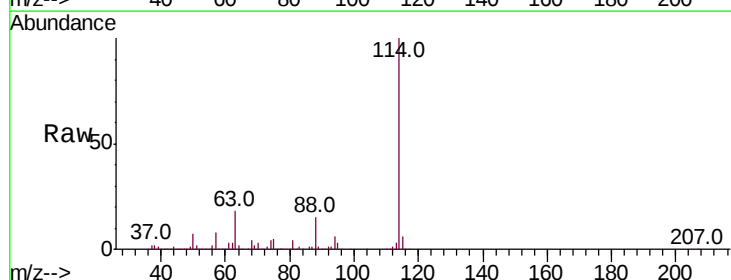
Manual Integrations
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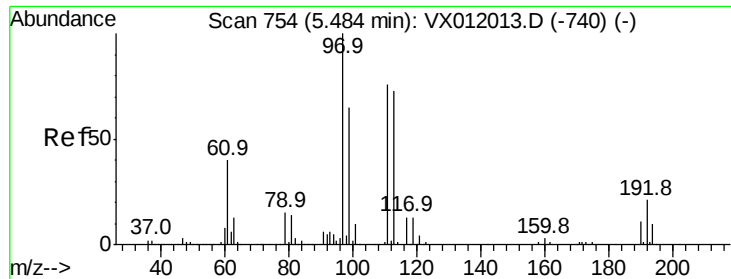
sam
 9/3/2019 2:15:50 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012016.D
 Acq: 02 Sep 2019 15:10

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.3	0.0	37.4	
88	14.9	0.0	29.6	





#35

Dibromofluoromethane

Concen: 52.675 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012016.D

Acq: 02 Sep 2019 15:10

Instrument :

MSVOA_X

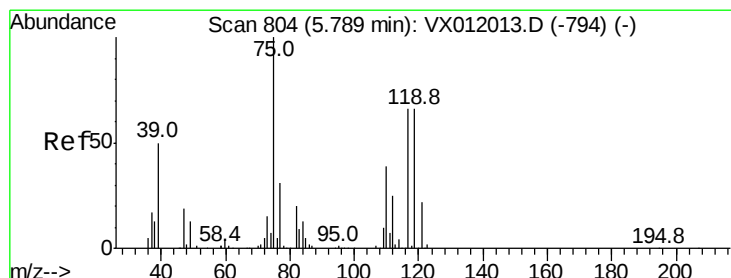
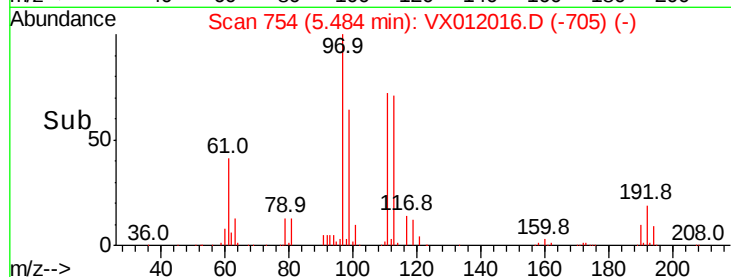
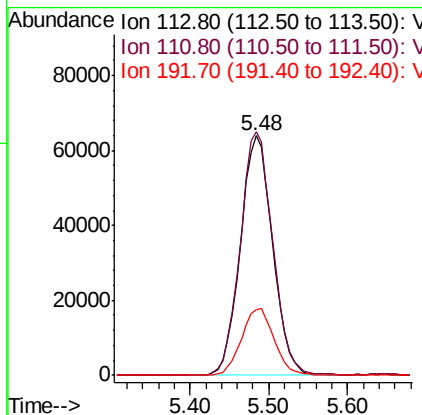
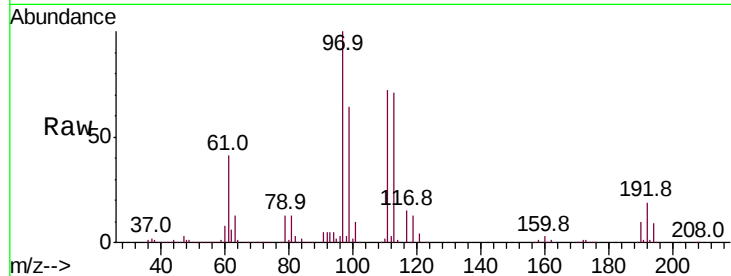
ClientSampleId :

ICVVX090219

Tot Ion:	113	Resp:	182137
Ion Ratio	Lower	Upper	
113	100		
111	101.8	81.7	122.5
192	28.2	22.5	33.7

Manual Integrations
APPROVED

sam
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#36

1,1-Dichloropropene

Concen: 53.764 ug/l

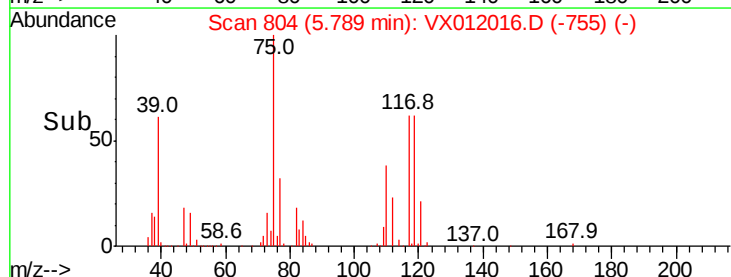
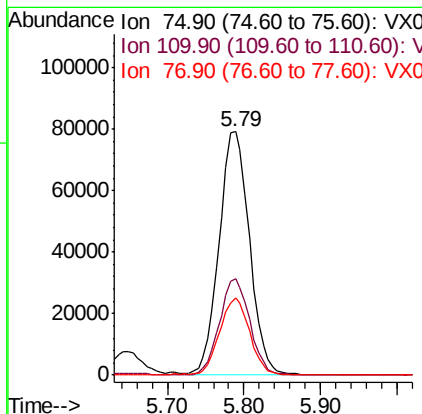
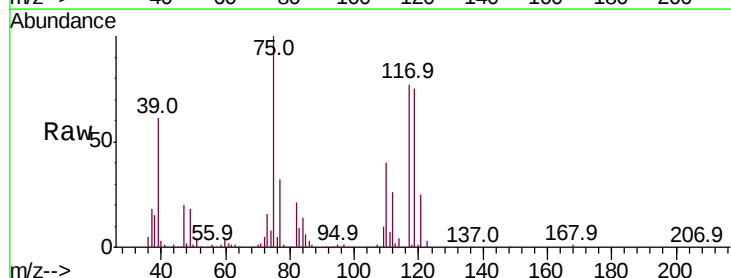
RT: 5.79 min Scan# 804

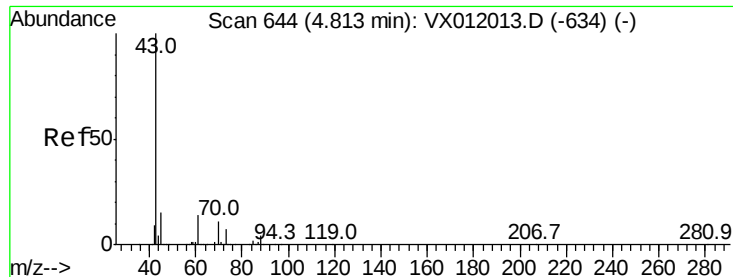
Delta R.T. -0.00 min

Lab File: VX012016.D

Acq: 02 Sep 2019 15:10

Tgt Ion:	75	Resp:	216943
Ion Ratio	Lower	Upper	
75	100		
110	39.5	19.5	58.5
77	31.3	24.6	37.0





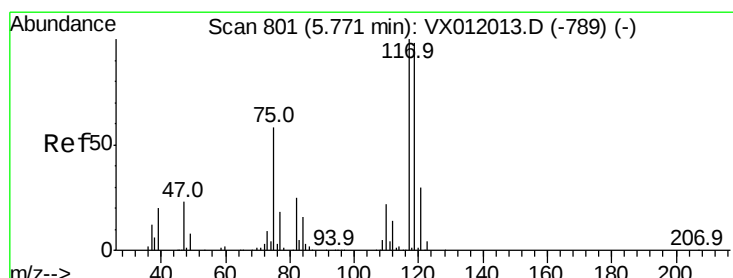
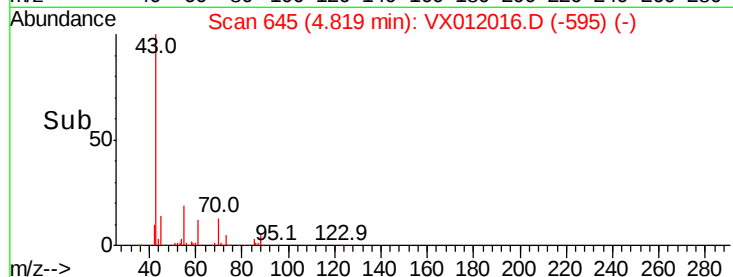
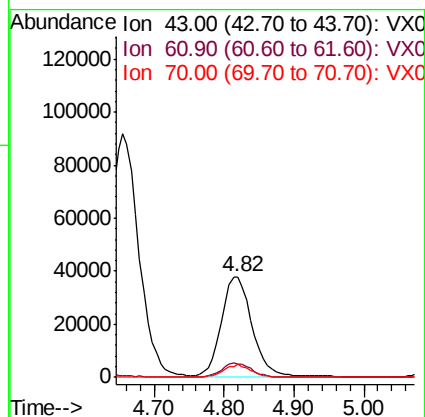
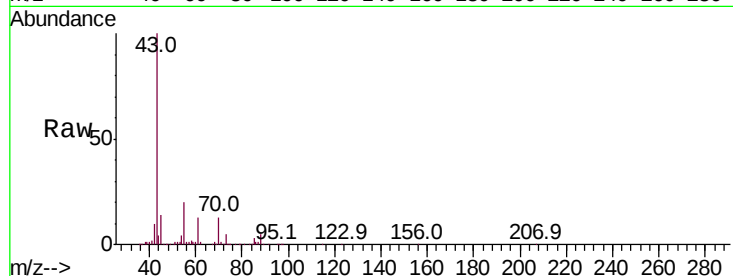
#37
Ethyl Acetate
Concen: 56.948 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.01 min
Lab File: VX012016.D
Acq: 02 Sep 2019 15:10

Instrument :
MSVOA_X
ClientSampleId :
ICVVX090219

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	10.9	16.3
70	11.6	9.4	14.0

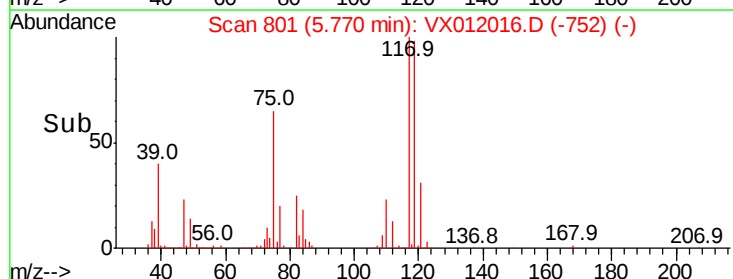
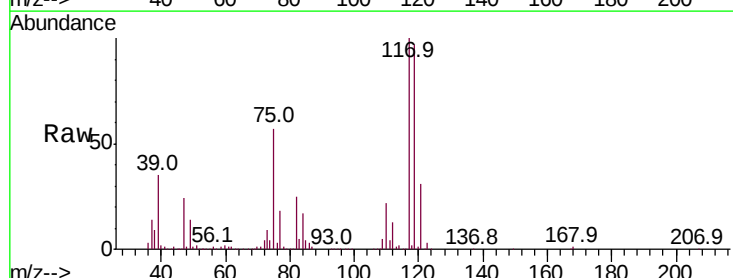
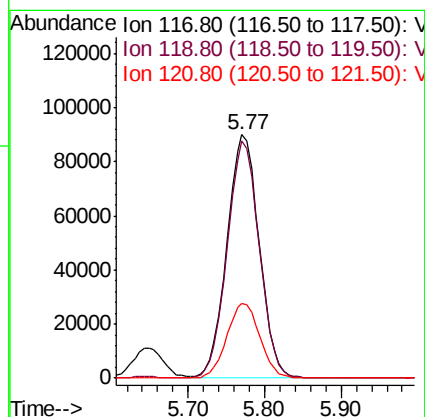
Manual Integrations
APPROVED

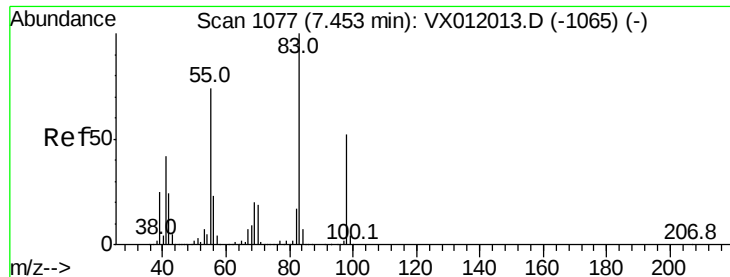
sam
9/3/2019 2:15:50 PM



#38
Carbon Tetrachloride
Concen: 53.452 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.00 min
Lab File: VX012016.D
Acq: 02 Sep 2019 15:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.4	78.3	117.5
121	30.9	24.2	36.2





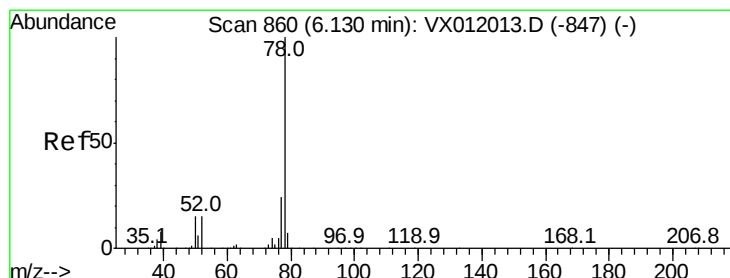
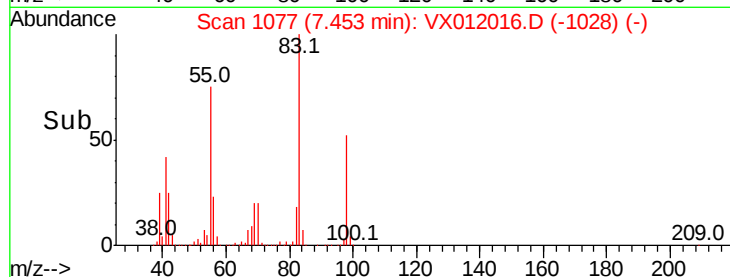
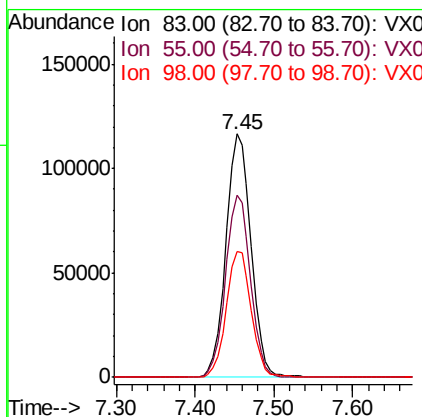
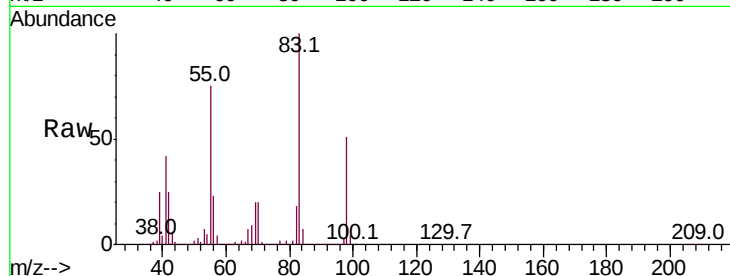
#39
Methvlcvclohexane
Concen: 52.654 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VX012016.D
Acq: 02 Sep 2019 15:10

Instrument :
MSVOA_X
ClientSampleId :
ICVVX090219

Tot Ion	Ratio	Resp	Lower	Upper
83	100	257982		
55	74.6		59.6	89.4
98	51.5		41.4	62.0

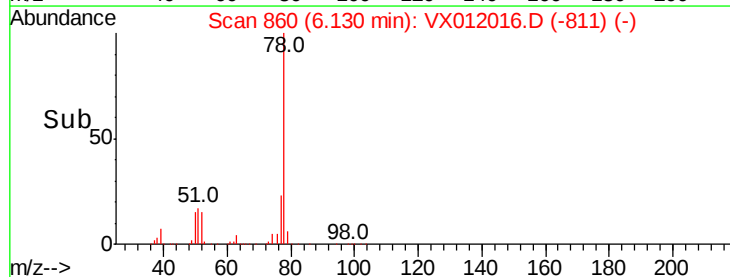
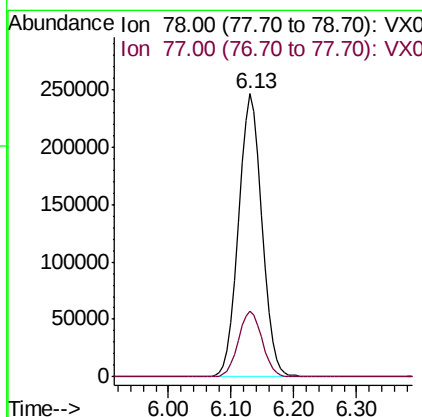
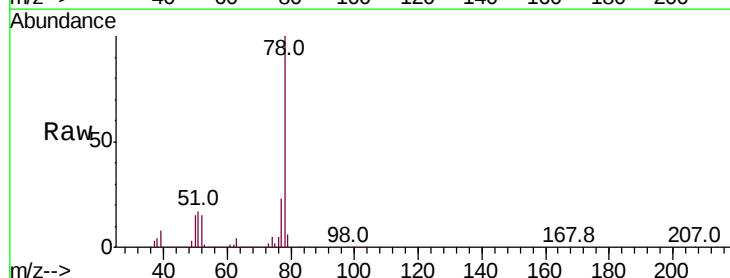
Manual Integrations
APPROVED

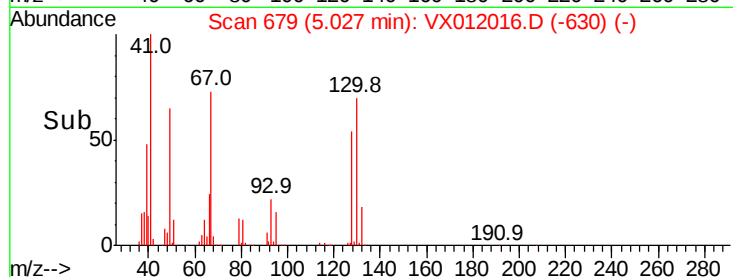
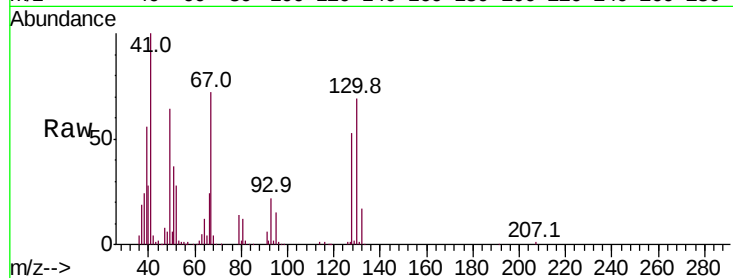
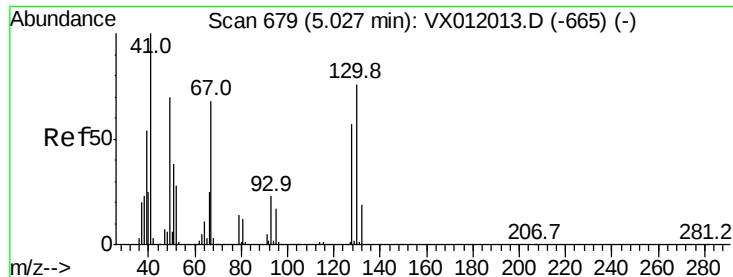
sam
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#40
Benzene
Concen: 54.675 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.00 min
Lab File: VX012016.D
Acq: 02 Sep 2019 15:10

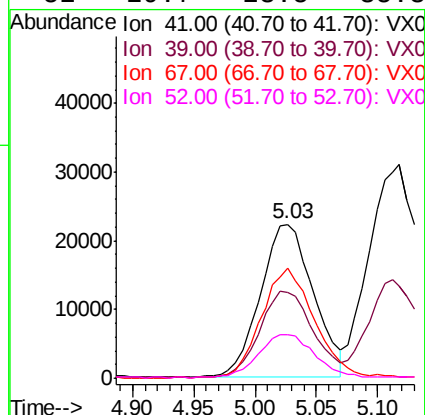
Tgt Ion	Ratio	Resp	Lower	Upper
78	100	637182		
77	23.3		19.3	28.9





#41
Methacrylonitrile
Concen: 55.357 ug/l
RT: 5.03 min Scan# 679
Delta R.T. -0.00 min
Lab File: VX012016.D
Acq: 02 Sep 2019 15:10

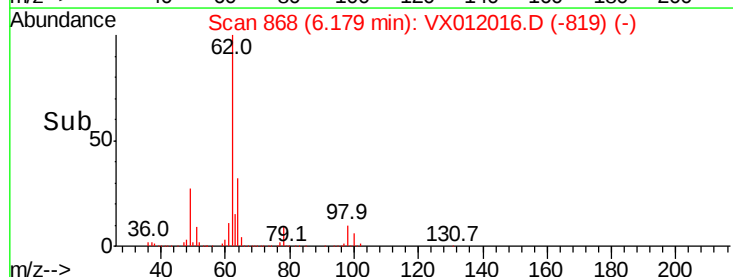
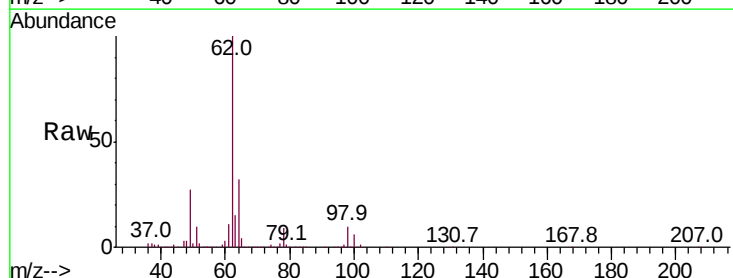
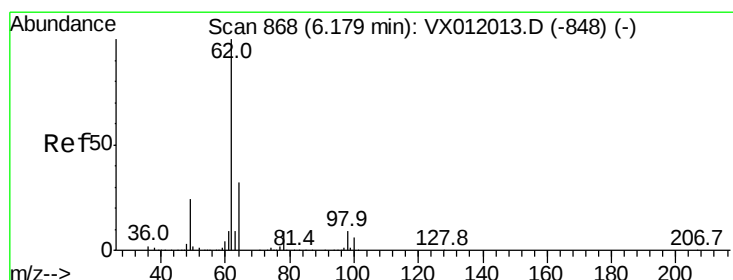
Tot Ion	Ratio	Lower	Upper
41	100		
39	56.3	46.7	70.1
67	73.6	57.0	85.6
52	29.7	23.5	35.3



Instrument :
MSVOA_X
ClientSampleId :
ICVVX090219

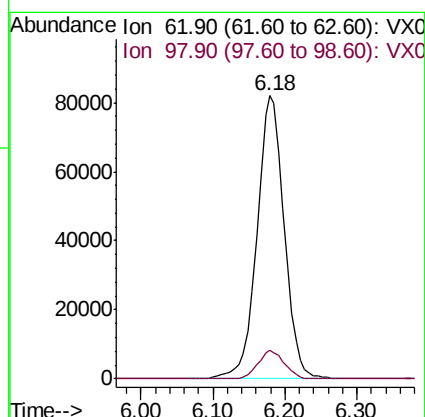
Manual Integrations
APPROVED

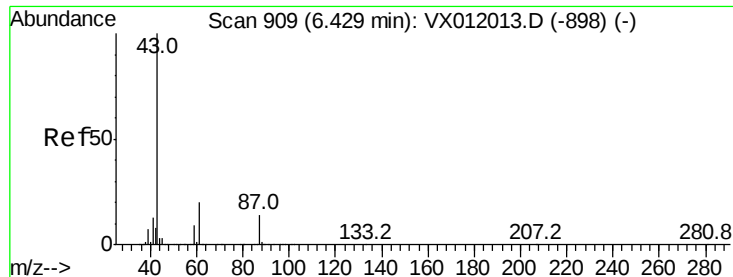
sam
9/3/2019 2:15:50 PM



#42
1,2-Dichloroethane
Concen: 54.224 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.00 min
Lab File: VX012016.D
Acq: 02 Sep 2019 15:10

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	19.2





#43

Isopropyl Acetate

Concen: 55.659 ug/l

RT: 6.43 min Scan# 910

Delta R.T. 0.01 min

Lab File: VX012016.D

Acq: 02 Sep 2019 15:10

Instrument :

MSVOA_X

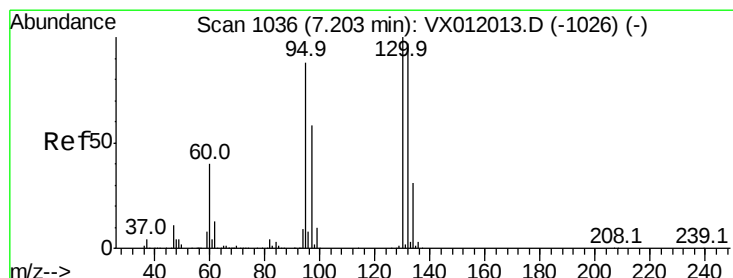
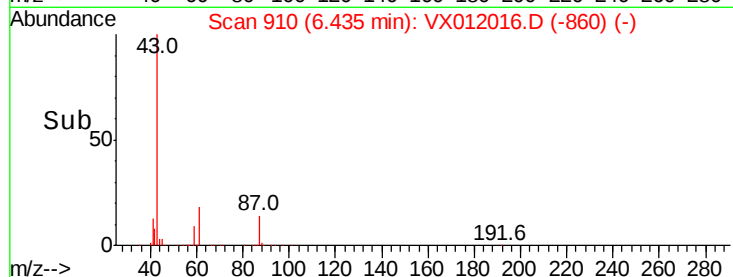
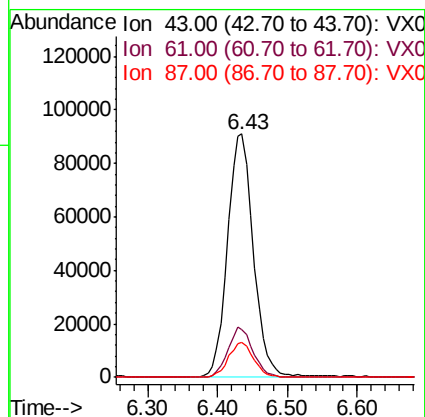
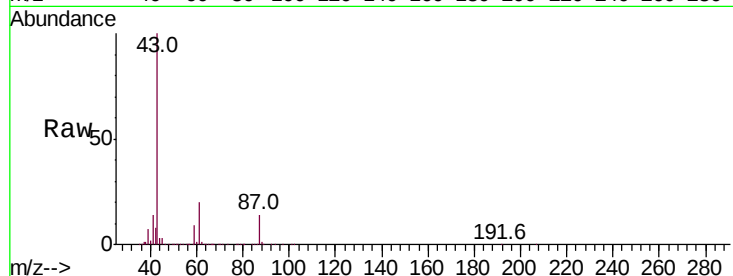
ClientSampleId :

ICVVX090219

Tot Ion	43	Resp	232392
Ion	Ratio	Lower	Upper
43	100		
61	20.2	16.1	24.1
87	14.0	11.3	16.9

Manual Integrations
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Sam
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#44

Trichloroethene

Concen: 53.507 ug/l

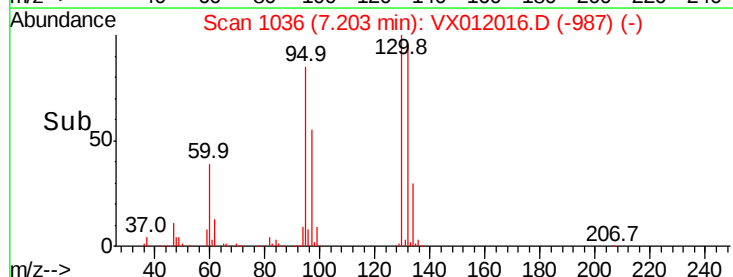
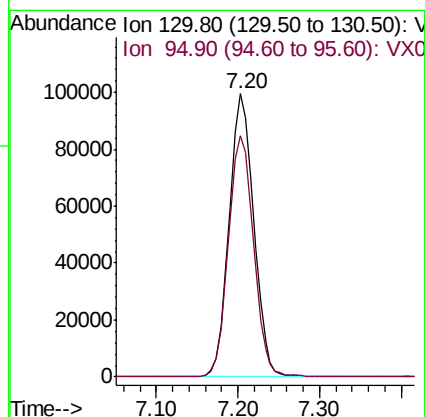
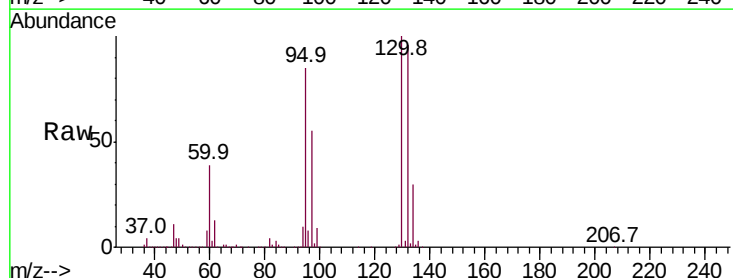
RT: 7.20 min Scan# 1036

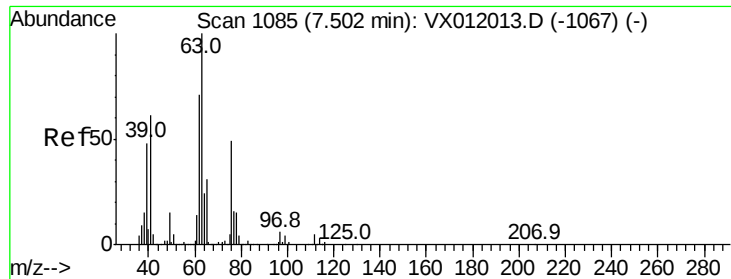
Delta R.T. -0.00 min

Lab File: VX012016.D

Acq: 02 Sep 2019 15:10

Tgt Ion	130	Resp	207108
Ion	Ratio	Lower	Upper
130	100		
95	85.4	0.0	176.4





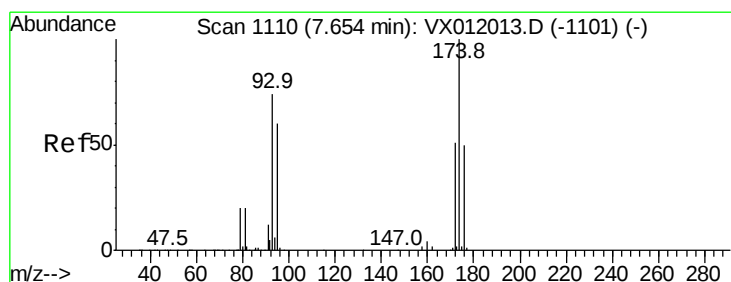
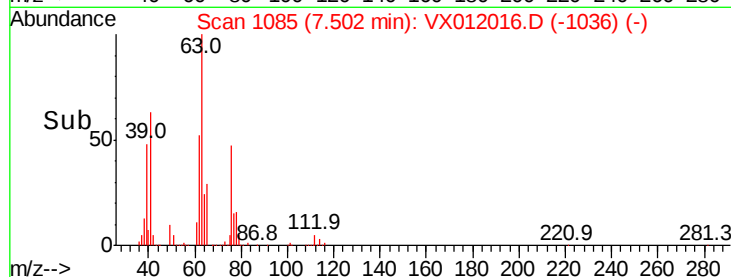
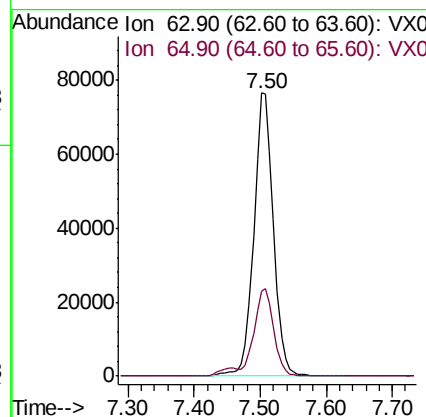
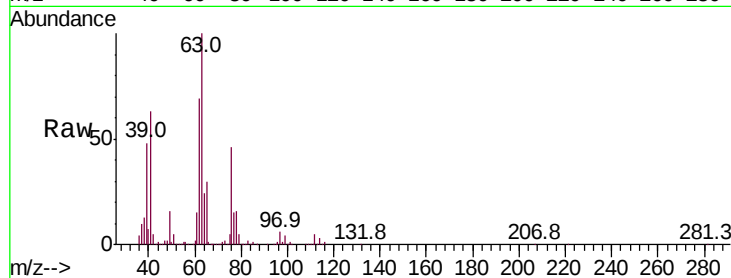
#45
 1,2-Dichloropropane
 Concen: 54.069 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.00 min
 Lab File: VX012016.D
 Acq: 02 Sep 2019 15:10

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX090219

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.2	25.0	37.6

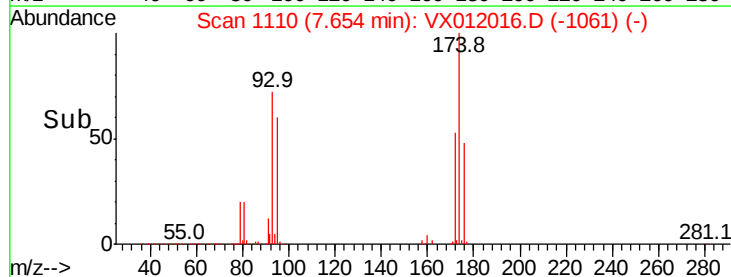
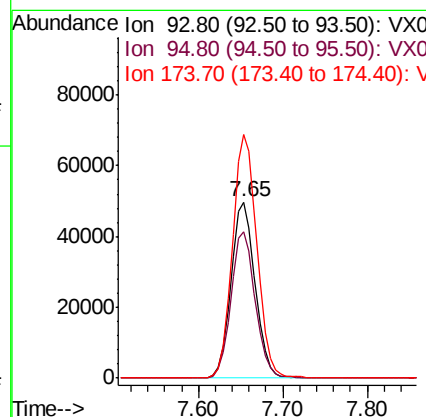
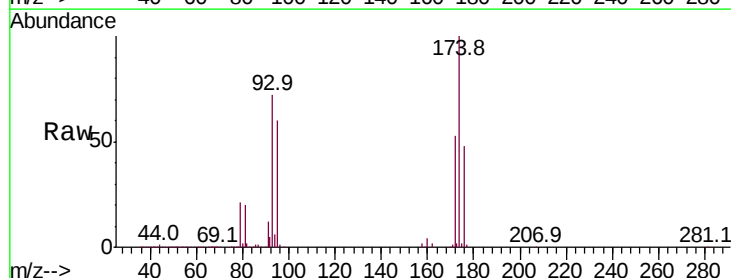
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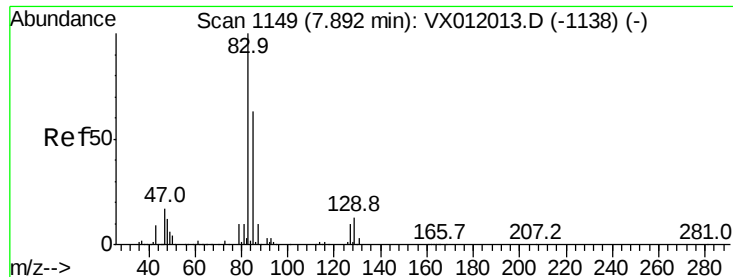
sam
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#46
 Dibromomethane
 Concen: 55.128 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX012016.D
 Acq: 02 Sep 2019 15:10

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.6	66.2	99.2
174	139.3	110.2	165.4





#47

Bromodichloromethane

Concen: 54.044 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX012016.D

Acq: 02 Sep 2019 15:10

Instrument :

MSVOA_X

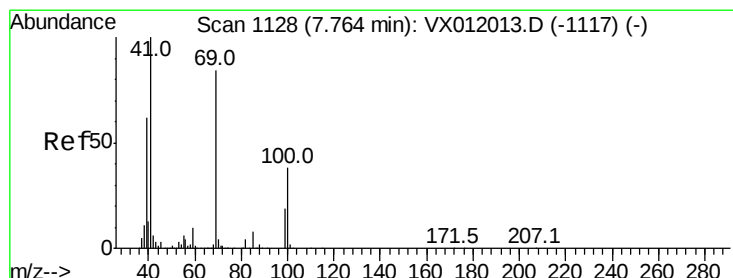
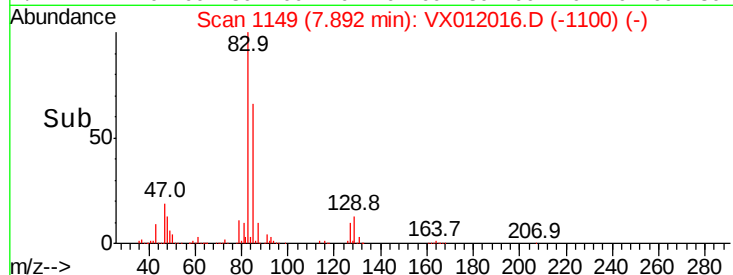
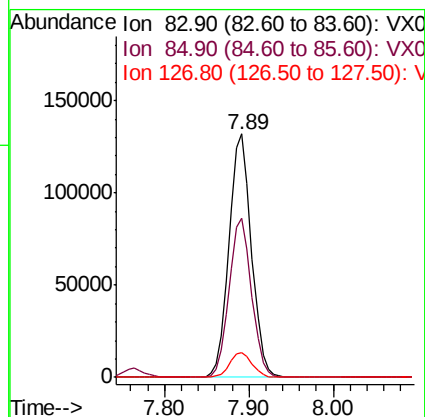
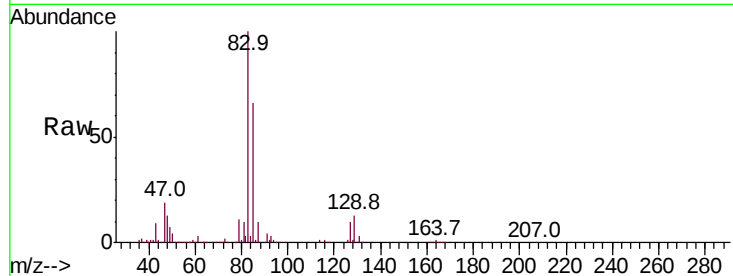
ClientSampleId :

ICVVX090219

Tot Ion:	83	Resp:	239817
Ion Ratio	Lower	Upper	
83	100		
85	65.6	50.3	75.5
127	10.1	8.1	12.1

Manual Integrations
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sam
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#48

Methyl methacrylate

Concen: 55.923 ug/l

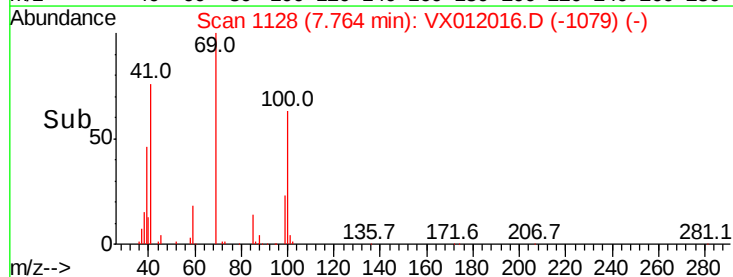
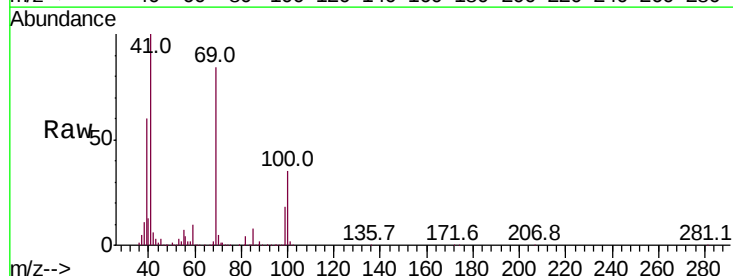
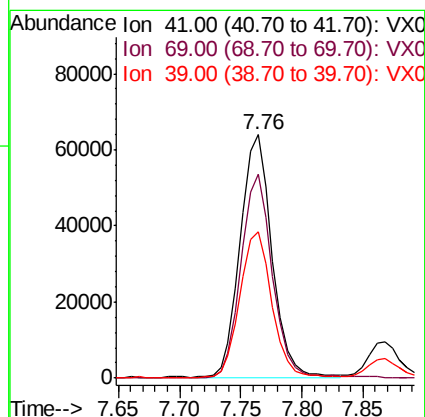
RT: 7.76 min Scan# 1128

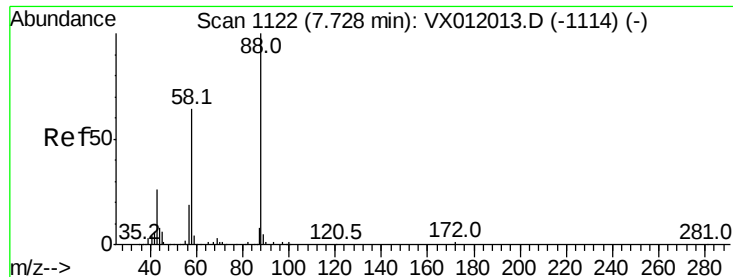
Delta R.T. -0.00 min

Lab File: VX012016.D

Acq: 02 Sep 2019 15:10

Tgt Ion:	41	Resp:	115137
Ion Ratio	Lower	Upper	
41	100		
69	82.9	66.3	99.5
39	61.0	48.1	72.1





#49

1,4-Dioxane

Concen: 1098.424 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VX012016.D

Acq: 02 Sep 2019 15:10

Instrument :

MSVOA_X

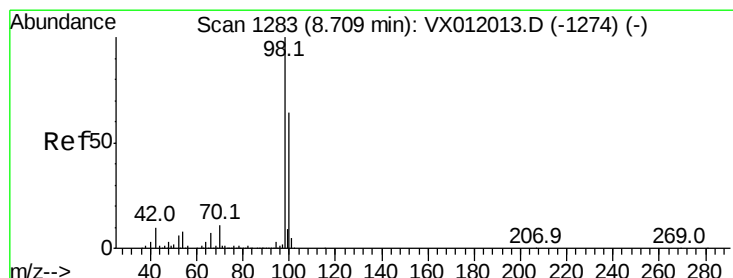
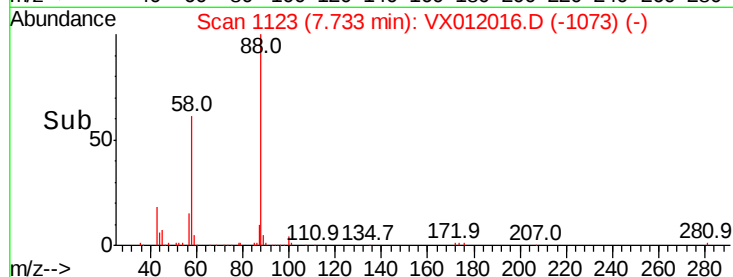
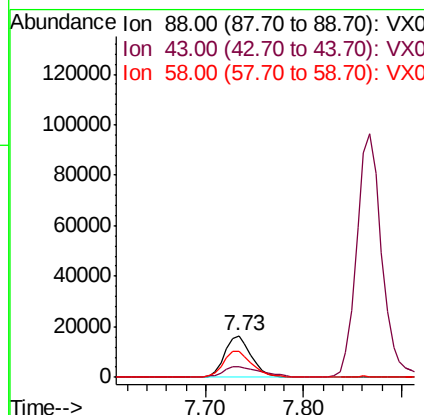
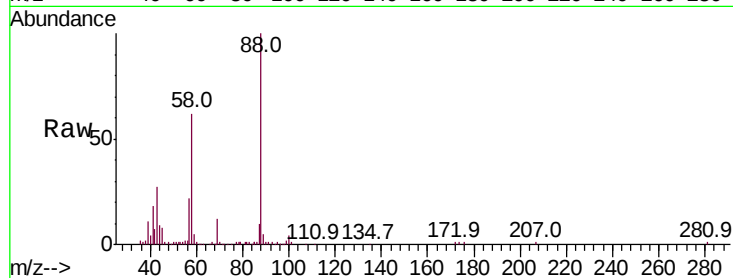
ClientSampleId :

ICVVX090219

Tot Ion:	88	Resp:	31727
Ion	Ratio	Lower	Upper
88	100		
43	35.3	29.8	44.6
58	66.8	55.4	83.2

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#50

Toluene-d8

Concen: 53.798 ug/l

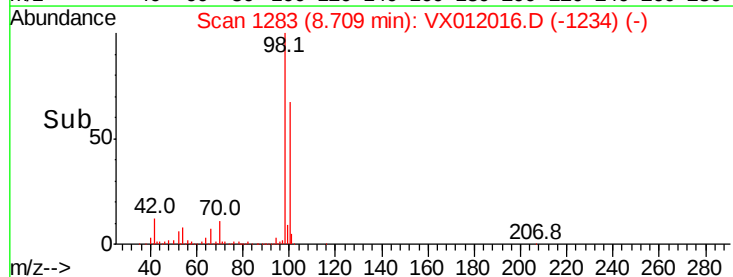
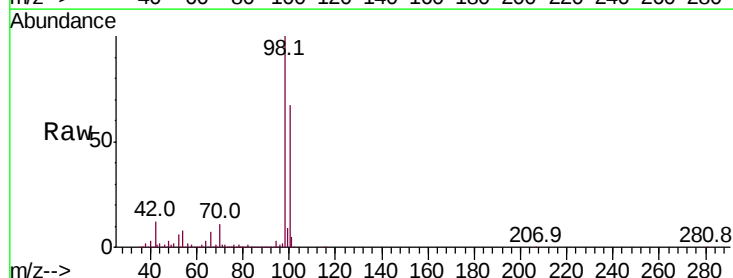
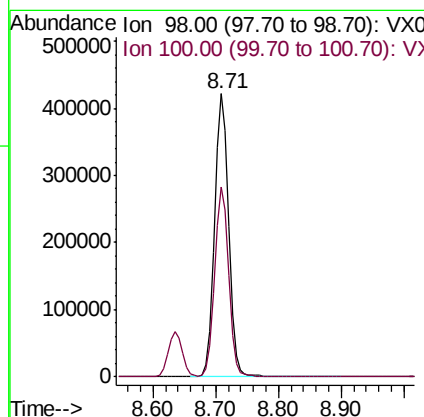
RT: 8.71 min Scan# 1283

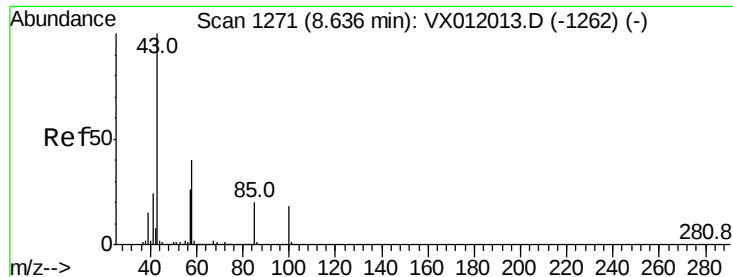
Delta R.T. -0.00 min

Lab File: VX012016.D

Acq: 02 Sep 2019 15:10

Tgt Ion:	98	Resp:	655226
Ion	Ratio	Lower	Upper
98	100		
100	67.0	53.3	79.9





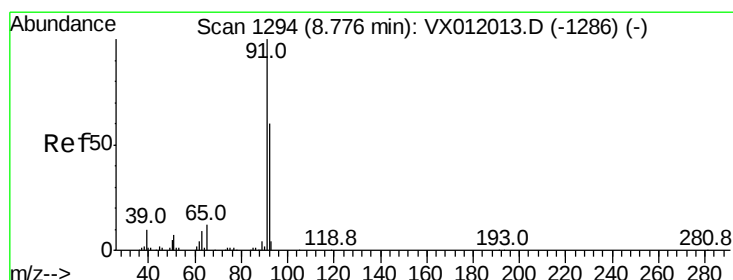
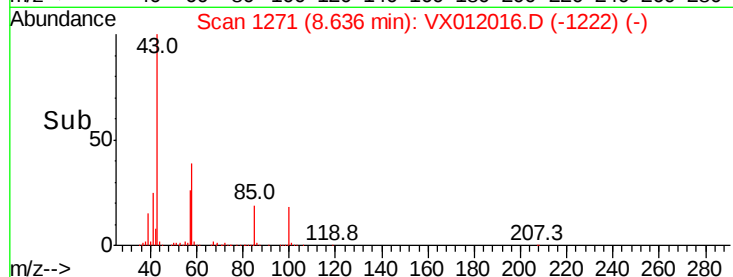
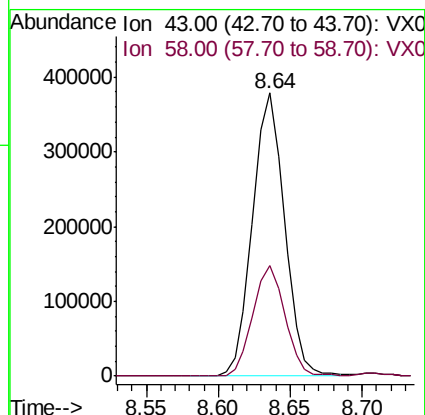
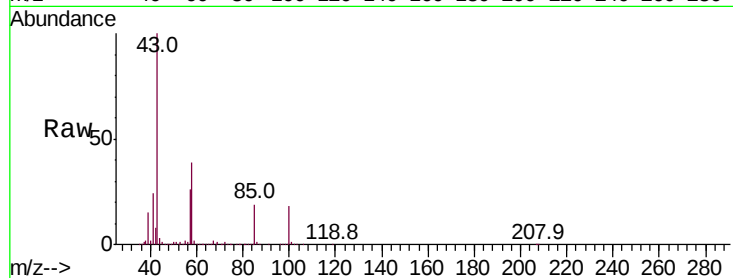
#51
4-Methyl-2-Pentanone
Concen: 276.272 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VX012016.D
Acq: 02 Sep 2019 15:10

Instrument :
MSVOA_X
ClientSampleId :
ICVVX090219

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.2	31.5	47.3

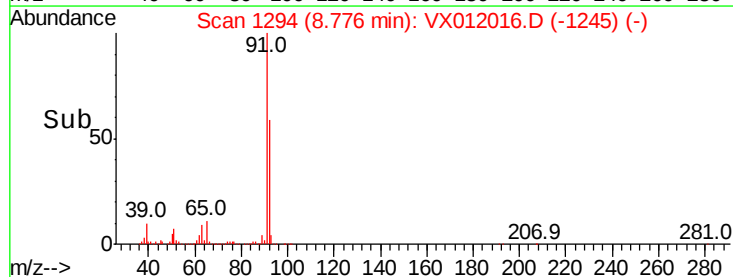
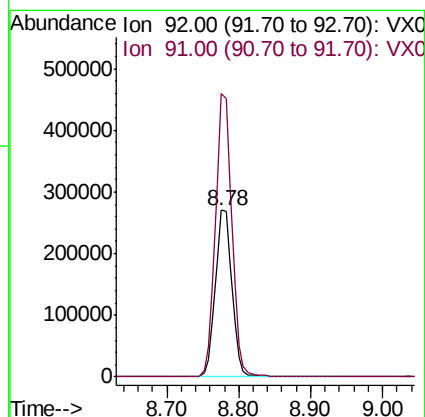
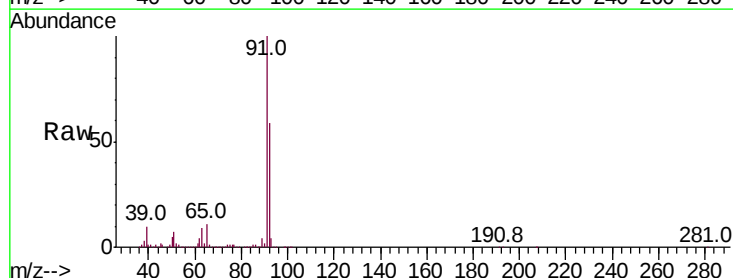
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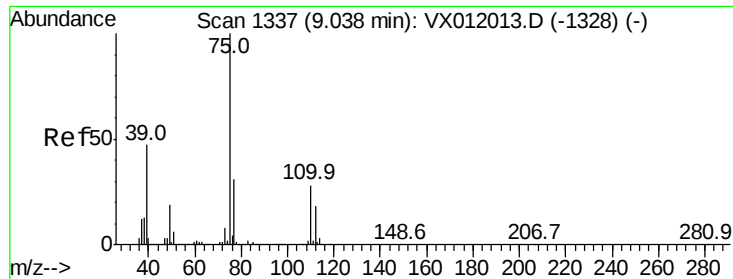
sam
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#52
Toluene
Concen: 54.562 ug/l
RT: 8.78 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX012016.D
Acq: 02 Sep 2019 15:10

Tgt Ion	Ratio	Lower	Upper
92	100		
91	168.2	136.0	204.0





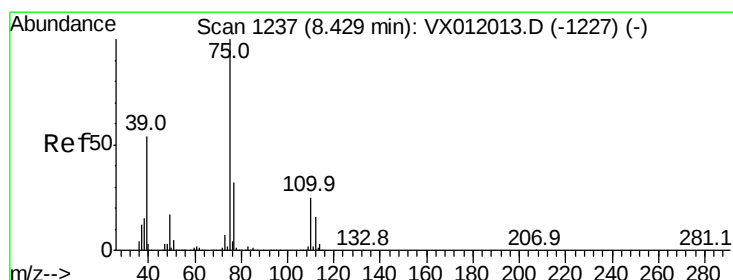
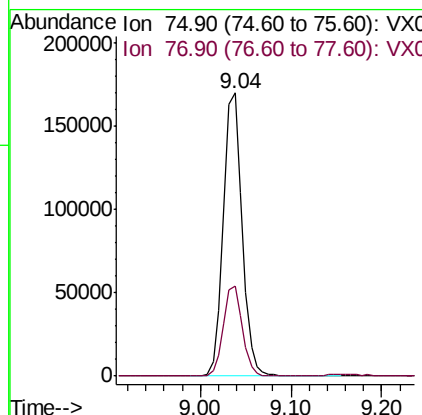
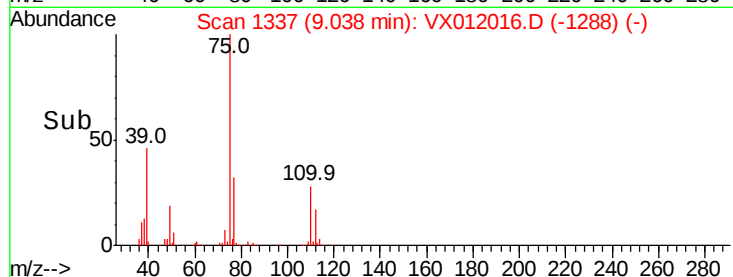
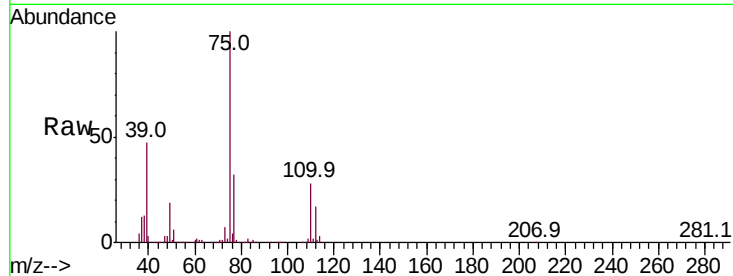
#53
t-1,3-Dichloropropene
Concen: 54.985 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VX012016.D
Acq: 02 Sep 2019 15:10

Instrument :
MSVOA_X
ClientSampleId :
ICVVX090219

Tot Ion	Ratio	Resp	Lower	Upper
75	100	246988		
77	31.7	25.1	37.7	

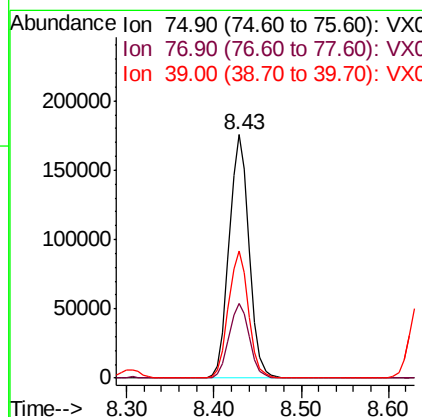
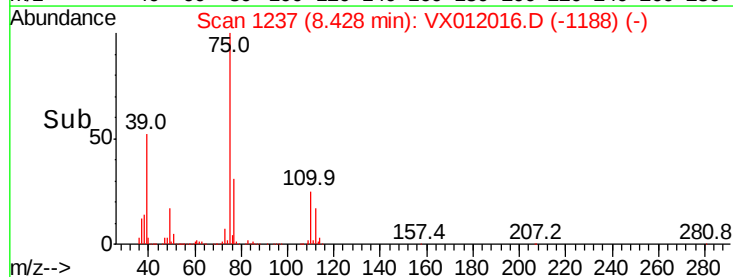
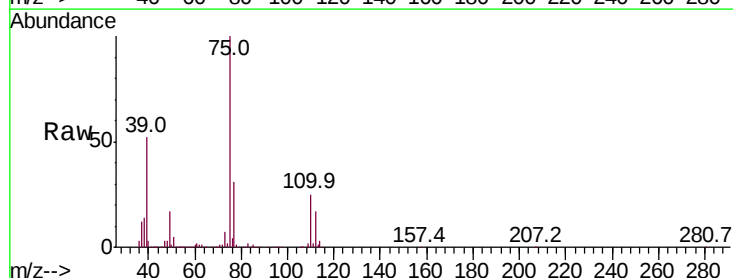
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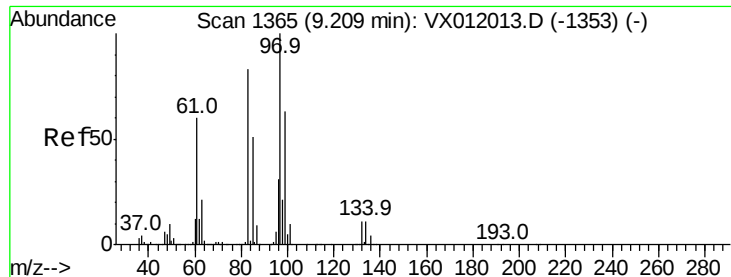
sam
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#54
cis-1,3-Dichloropropene
Concen: 55.112 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VX012016.D
Acq: 02 Sep 2019 15:10

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	278646		
77	30.6	25.5	38.3	
39	52.0	43.0	64.4	





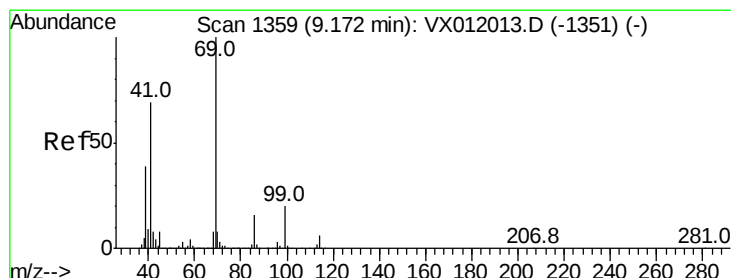
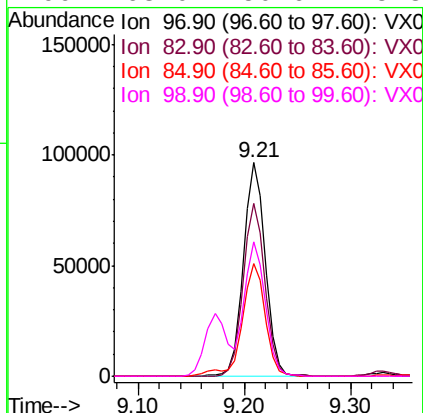
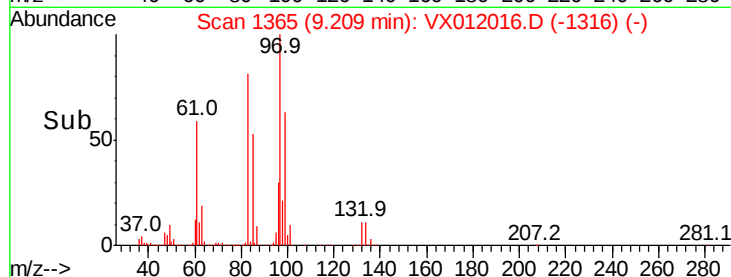
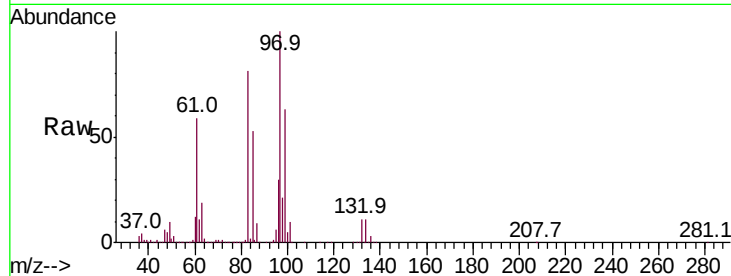
#55
 1,1,2-Trichloroethane
 Concen: 54.654 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX012016.D
 Acq: 02 Sep 2019 15:10

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX090219

Tot Ion	Ratio	Resp	Lower	Upper
97	100	140251		
83	80.8	66.0	99.0	
85	52.6	41.0	61.6	
99	63.0	50.6	75.8	

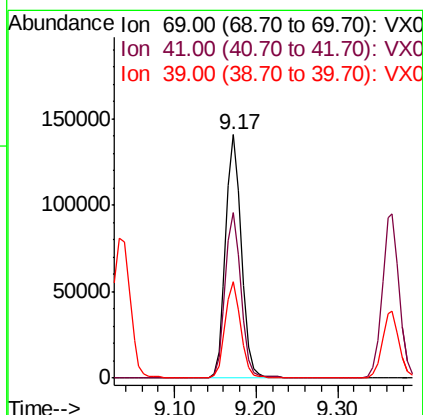
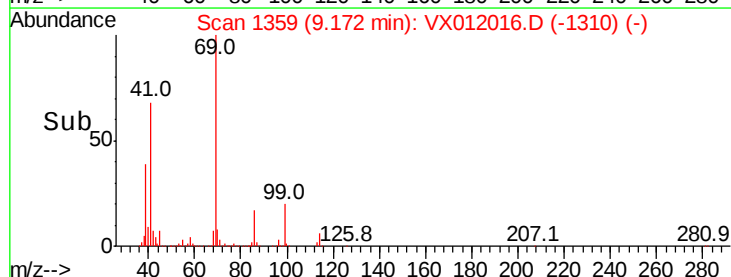
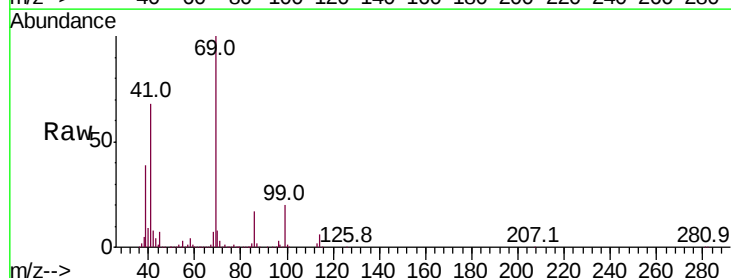
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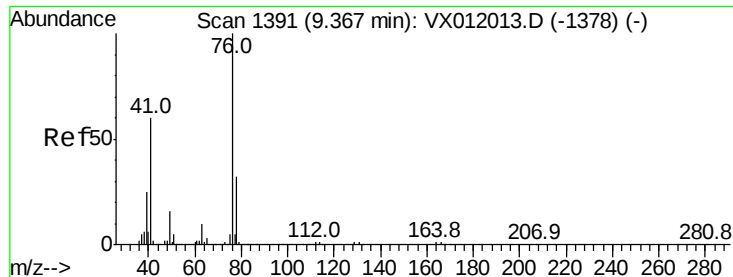
sam
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#56
 Ethyl methacrylate
 Concen: 55.557 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX012016.D
 Acq: 02 Sep 2019 15:10

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	189333		
41	68.0	53.9	80.9	
39	39.0	31.1	46.7	





#57

1,3-Dichloropropane

Concen: 54.746 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX012016.D

Acq: 02 Sep 2019 15:10

Instrument :

MSVOA_X

ClientSampleId :

ICVVX090219

Tot Ion: 76 Resp: 230724

Ion Ratio Lower Upper

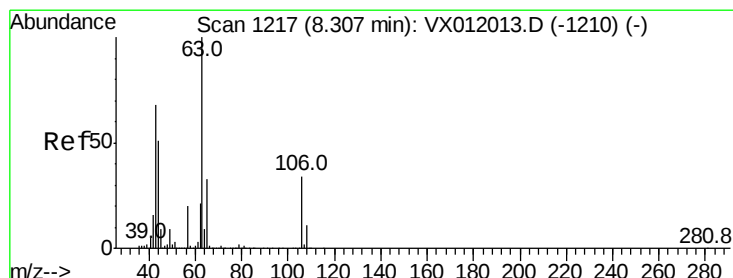
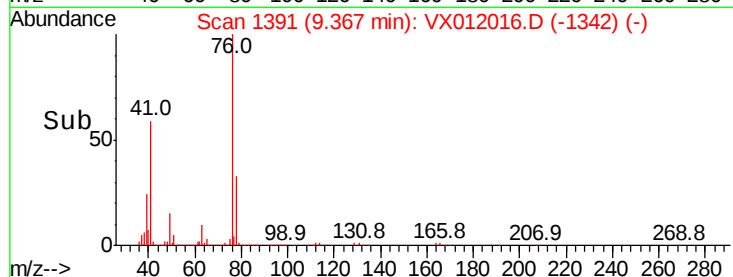
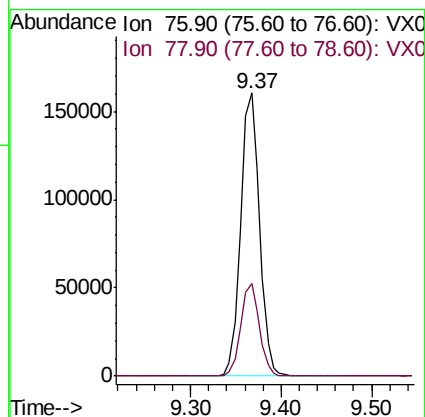
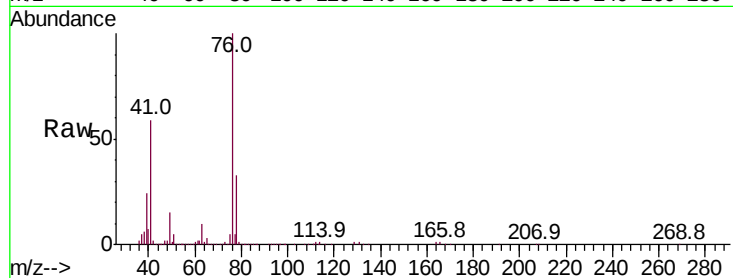
76 100

78 32.5 25.5 38.3

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 275.835 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VX012016.D

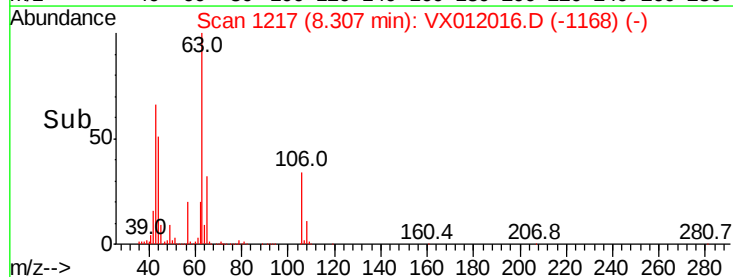
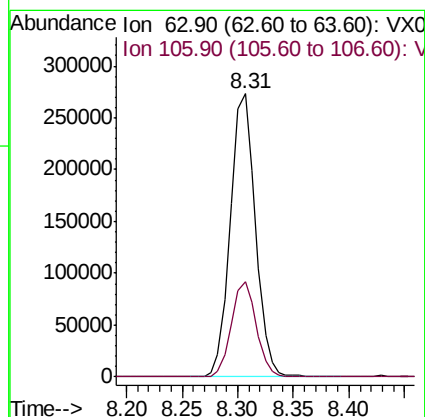
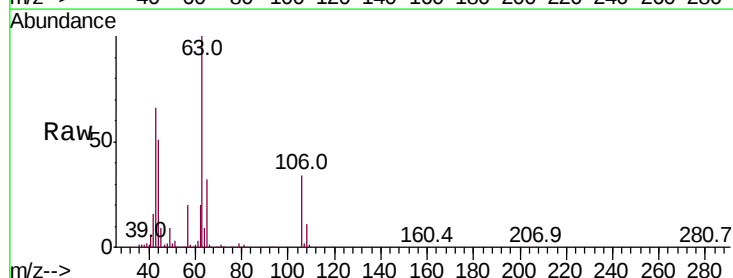
Acq: 02 Sep 2019 15:10

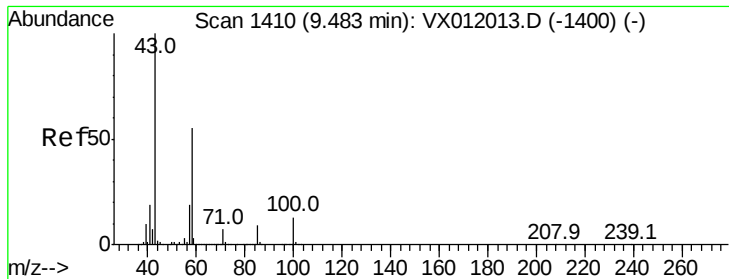
Tgt Ion: 63 Resp: 427173

Ion Ratio Lower Upper

63 100

106 33.5 26.5 39.7





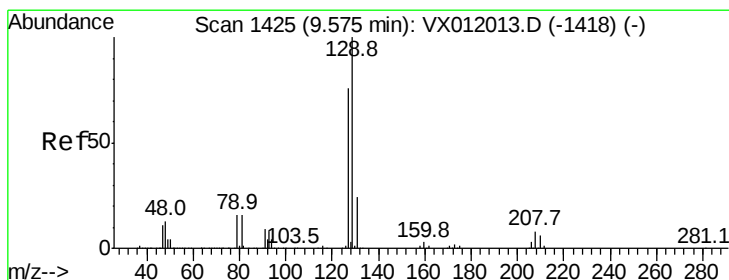
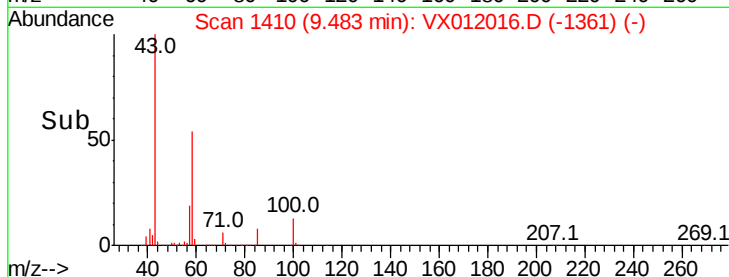
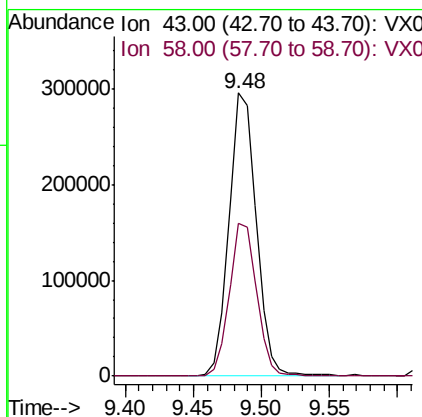
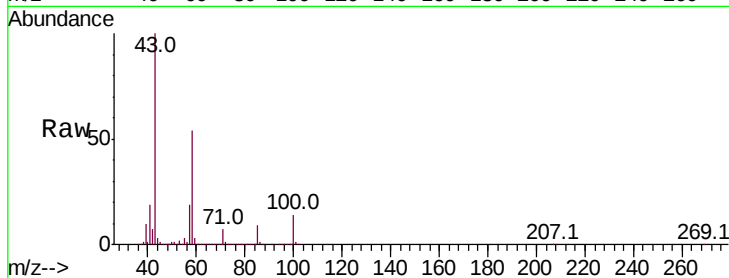
#59
2-Hexanone
Concen: 276.184 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX012016.D
Acq: 02 Sep 2019 15:10

Instrument :
MSVOA_X
ClientSampleId :
ICVVX090219

Tot Ion: 43 Resp: 412566
Ion Ratio Lower Upper
43 100
58 54.7 27.2 81.6

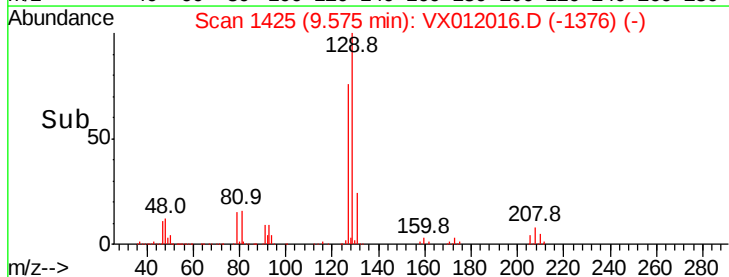
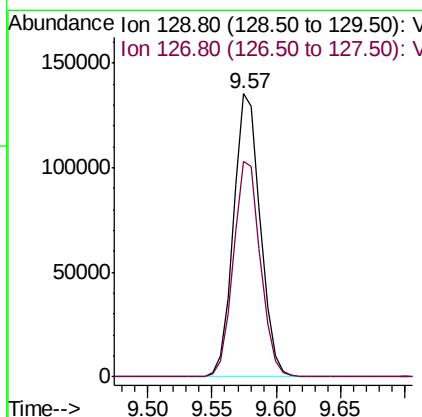
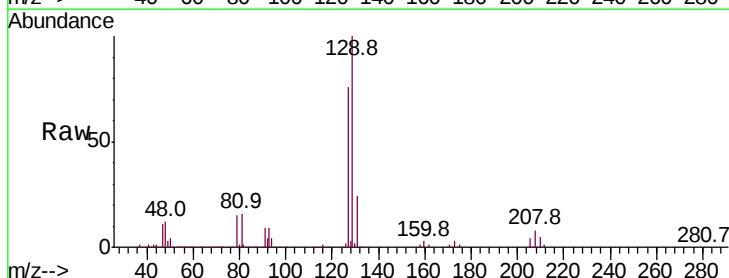
Manual Integrations
APPROVED

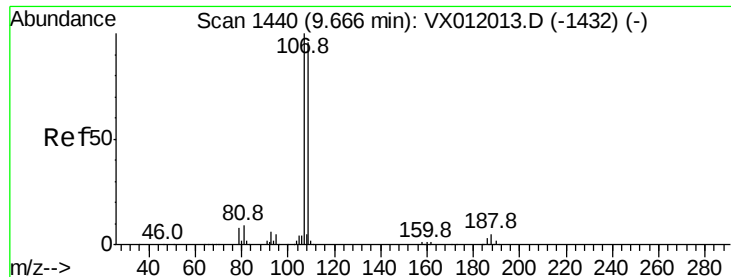
sam
9/3/2019 2:15:50 PM



#60
Dibromochloromethane
Concen: 54.932 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX012016.D
Acq: 02 Sep 2019 15:10

Tgt Ion: 129 Resp: 195959
Ion Ratio Lower Upper
129 100
127 76.9 38.1 114.5





#61

1,2-Dibromoethane

Concen: 55.675 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX012016.D

Acq: 02 Sep 2019 15:10

Instrument :

MSVOA_X

ClientSampleId :

ICVVX090219

Tot Ion: 107 Resp: 142305

Ion Ratio Lower Upper

107 100

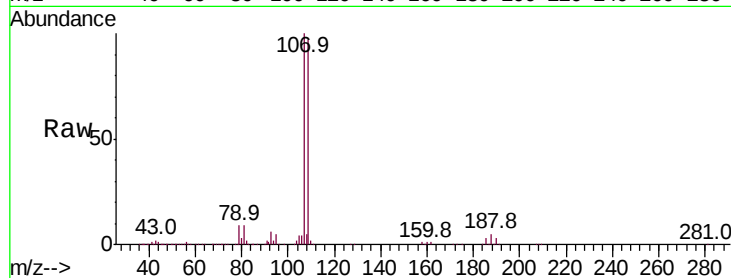
109 94.9 76.9 115.3

Manual Integrations

APPROVED

sam

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

100000

80000

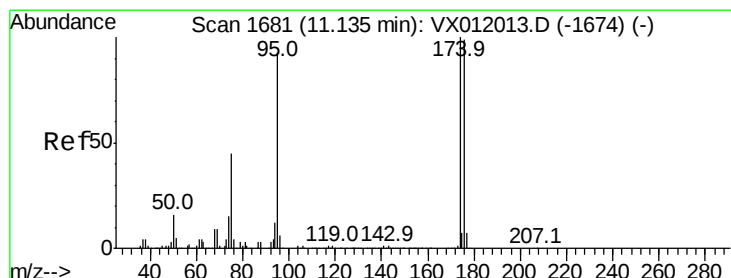
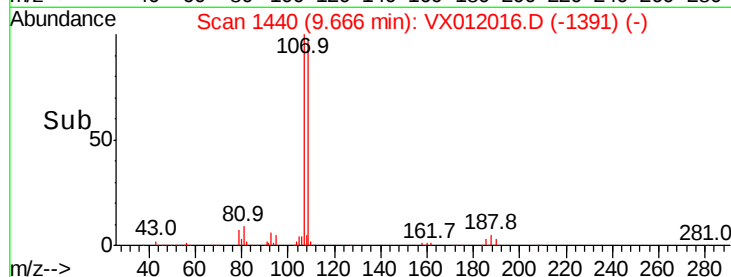
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 50.990 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012016.D

Acq: 02 Sep 2019 15:10

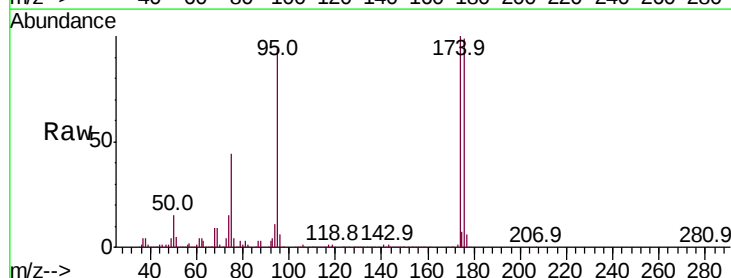
Tgt Ion: 95 Resp: 268558

Ion Ratio Lower Upper

95 100

174 102.6 0.0 205.4

176 100.9 0.0 201.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

300000

250000

200000

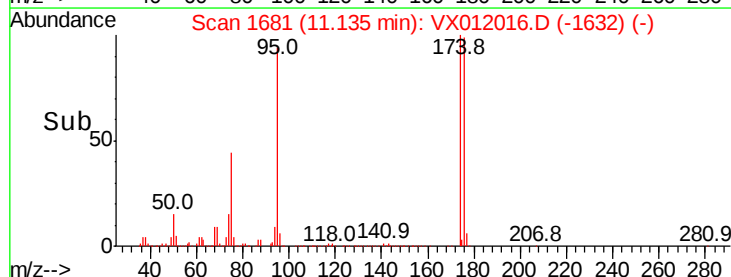
150000

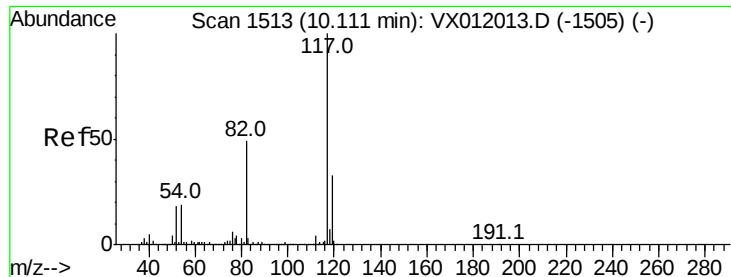
100000

50000

0

Time-->





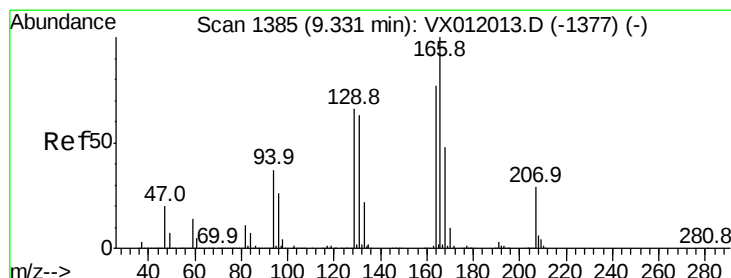
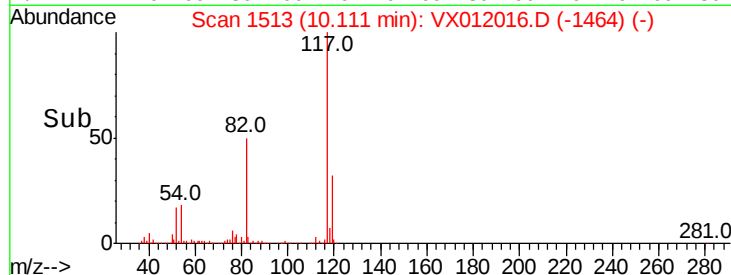
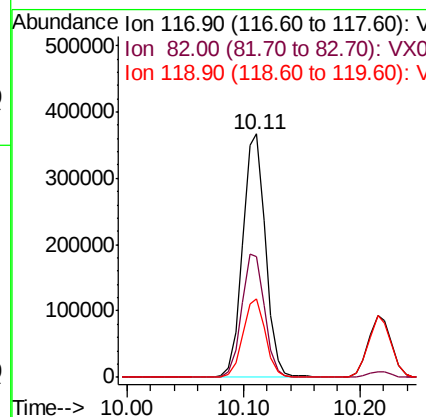
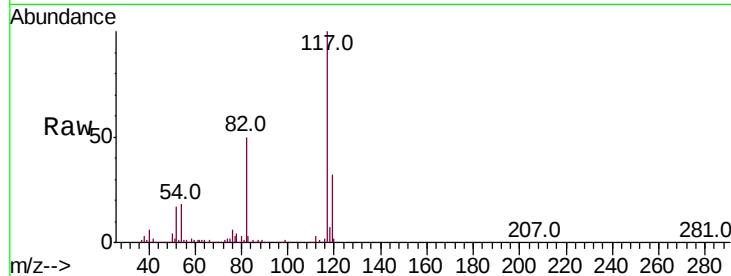
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012016.D
Acq: 02 Sep 2019 15:10

Instrument :
MSVOA_X
ClientSampleId :
ICVVX090219

Tot Ion	Ratio	Resp	Lower	Upper
117	100	501284		
82	49.5		39.4	59.0
119	32.4		26.1	39.1

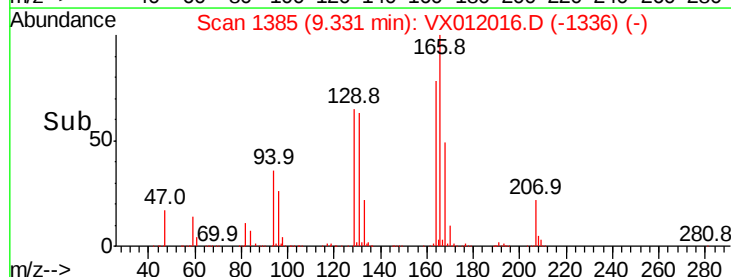
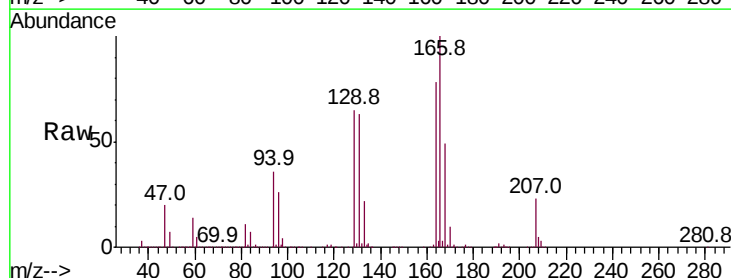
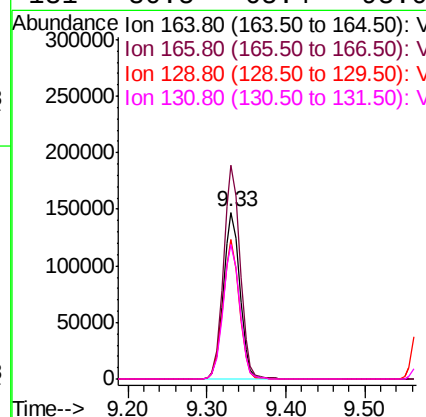
Manual Integrations
APPROVED

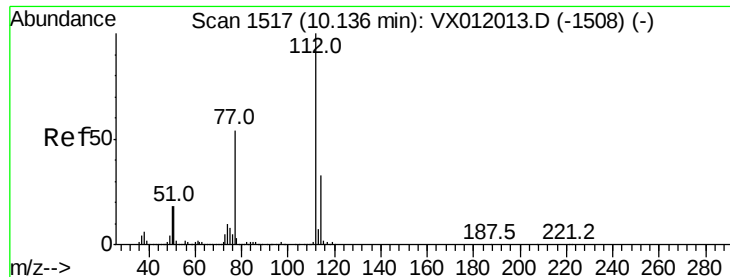
sam
9/3/2019 2:15:50 PM



#64
Tetrachloroethene
Concen: 52.486 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX012016.D
Acq: 02 Sep 2019 15:10

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	216534		
166	128.2		104.3	156.5
129	83.7		68.3	102.5
131	80.5		65.4	98.0





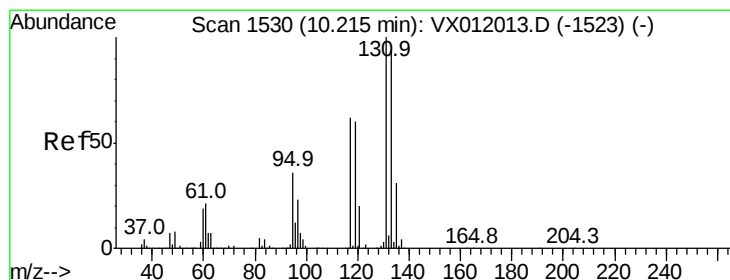
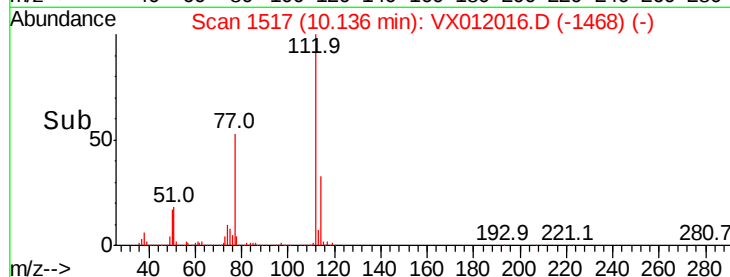
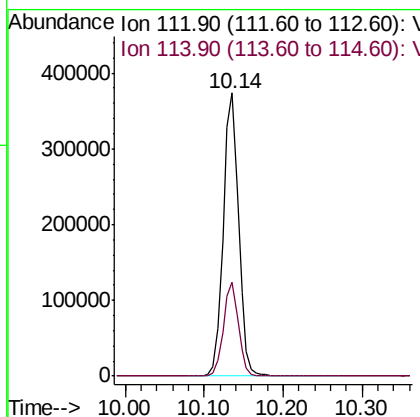
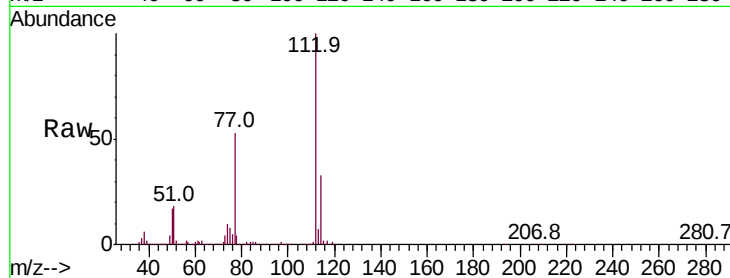
#65
Chlorobenzene
Concen: 53.280 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX012016.D
Acq: 02 Sep 2019 15:10

Instrument :
MSVOA_X
ClientSampleId :
ICVVX090219

Tot Ion:112 Resp: 504176
Ion Ratio Lower Upper
112 100
114 33.0 26.2 39.2

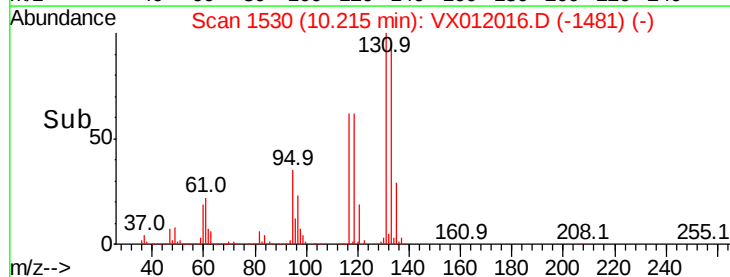
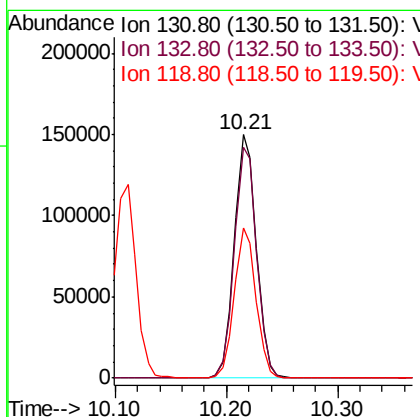
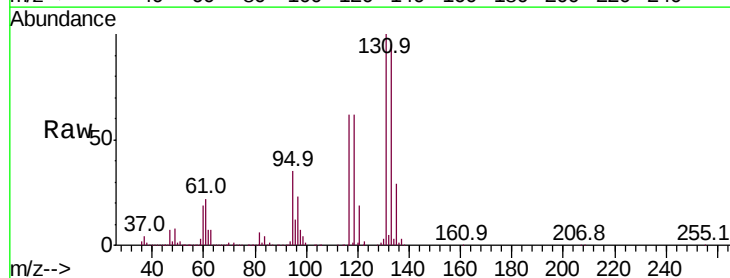
Manual Integrations
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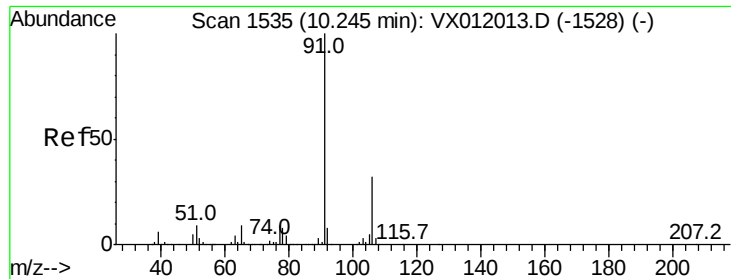
sam
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.893 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VX012016.D
Acq: 02 Sep 2019 15:10

Tgt Ion:131 Resp: 204653
Ion Ratio Lower Upper
131 100
133 96.2 48.4 145.0
119 61.1 30.5 91.5





#67

Ethyl Benzene

Concen: 52.802 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VX012016.D

Acq: 02 Sep 2019 15:10

Instrument :

MSVOA_X

ClientSampled :

ICVX090219

Tot Ion: 91 Resp: 844134

Ion Ratio Lower Upper

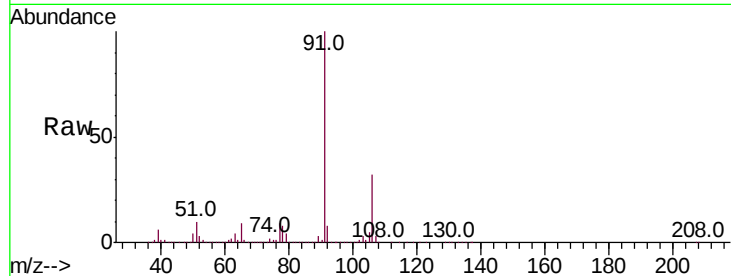
91 100

106 31.6 25.8 38.8

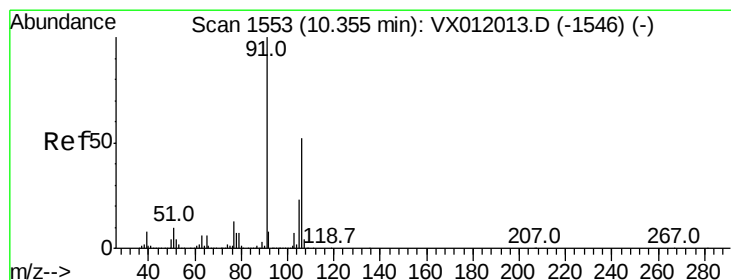
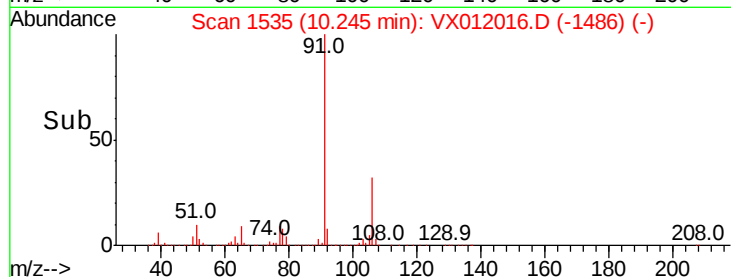
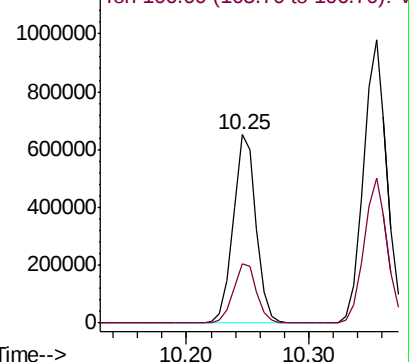
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VX012013.D (-1528) (-)



#68

m/p-Xylenes

Concen: 105.586 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VX012016.D

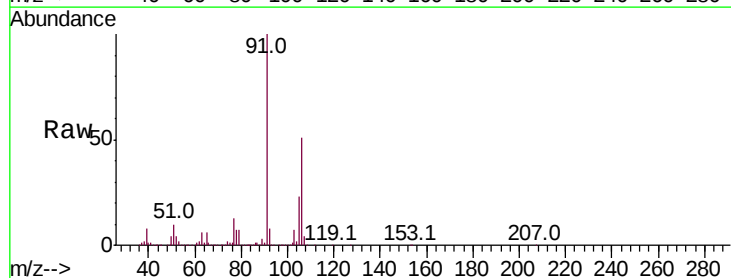
Acq: 02 Sep 2019 15:10

Tgt Ion: 106 Resp: 662821

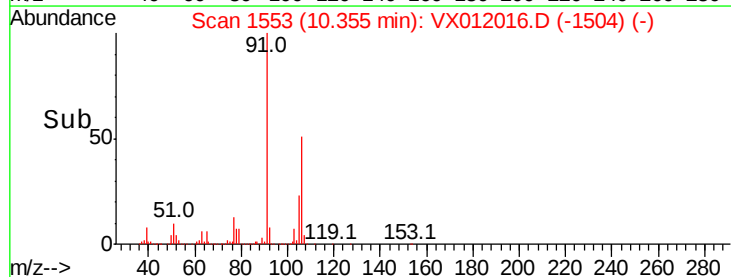
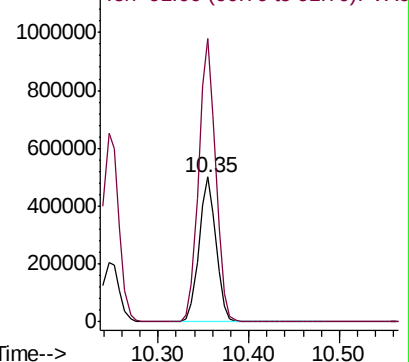
Ion Ratio Lower Upper

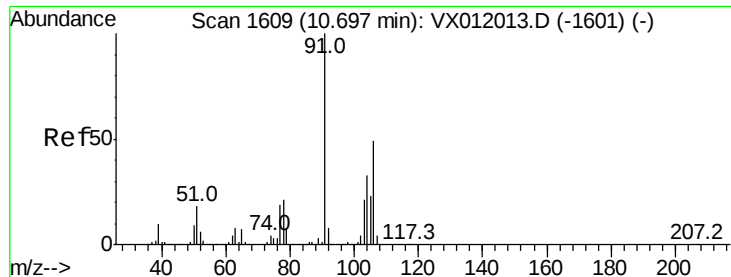
106 100

91 195.9 157.5 236.3



Abundance Ion 106.00 (105.70 to 106.70): VX012013.D (-1546) (-)





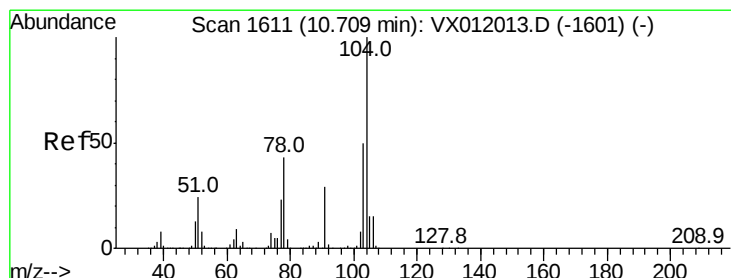
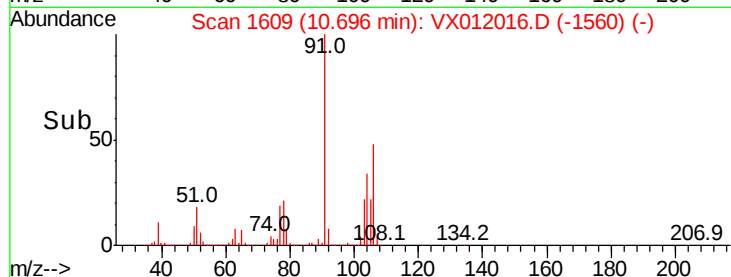
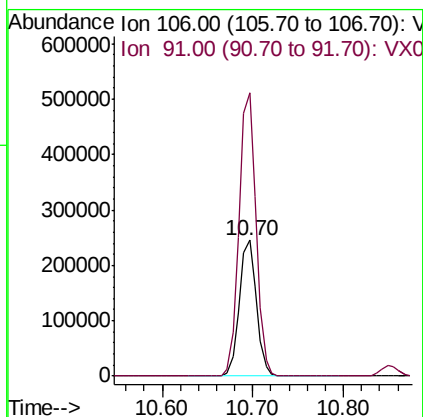
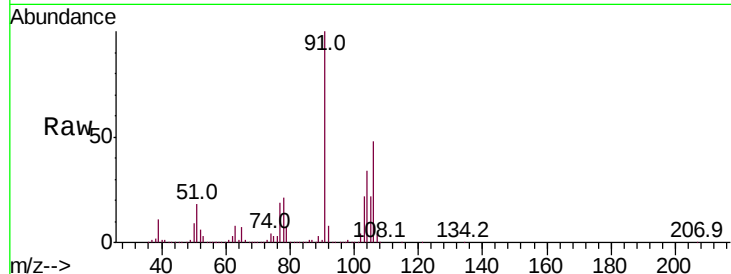
#69
o-Xylene
Concen: 52.657 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX012016.D
Acq: 02 Sep 2019 15:10

Instrument :
MSVOA_X
ClientSampleId :
ICVX090219

Tot Ion	Ratio	Resp	Lower	Upper
106	100			
91	207.2	103.5	310.3	

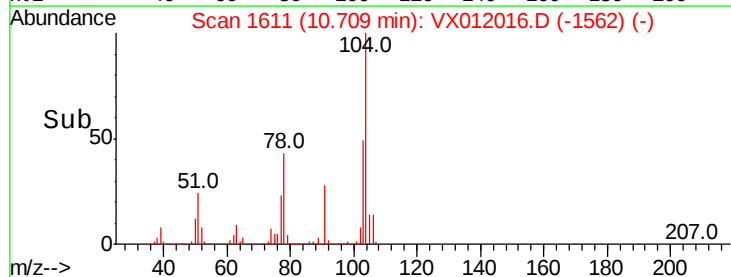
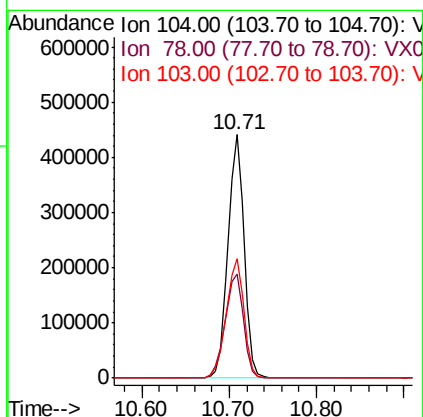
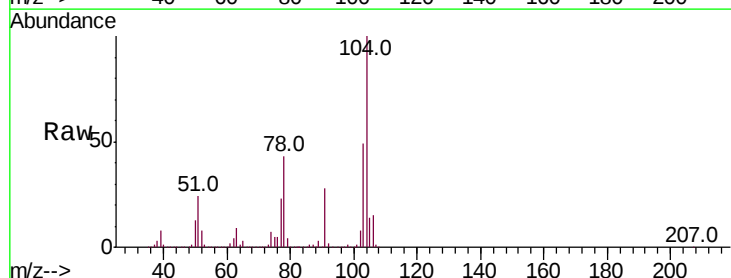
Manual Integrations
APPROVED

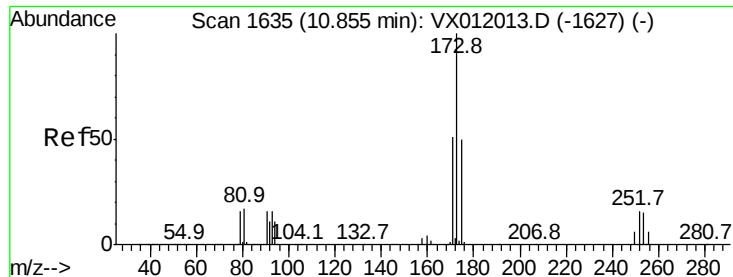
sam
9/3/2019 2:15:50 PM



#70
Styrene
Concen: 54.057 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX012016.D
Acq: 02 Sep 2019 15:10

Tgt Ion	Ratio	Resp	Lower	Upper
104	100			
78	48.4	39.1	58.7	
103	53.6	43.4	65.2	





#71

Bromoform

Concen: 54.901 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VX012016.D

Acq: 02 Sep 2019 15:10

Instrument :

MSVOA_X

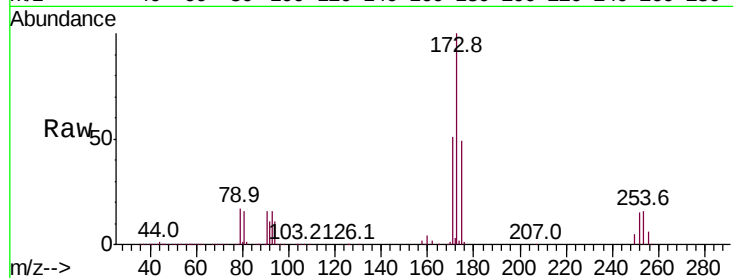
ClientSampled :

ICVVX090219

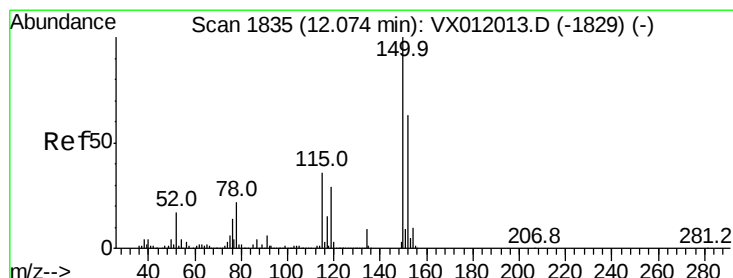
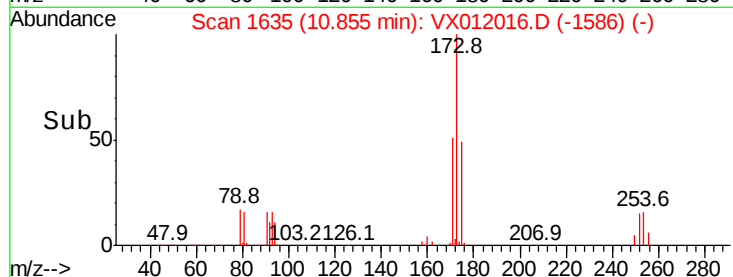
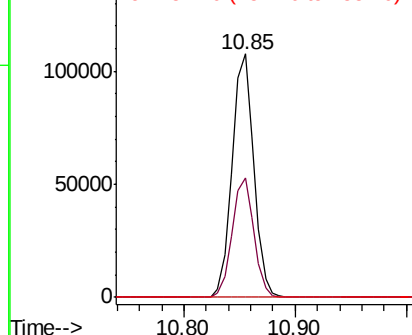
Tot Ion:	173	Resp:	144654
Ion Ratio	Lower	Upper	
173	100		
175	49.2	24.9	74.7
254	0.0	0.1	0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

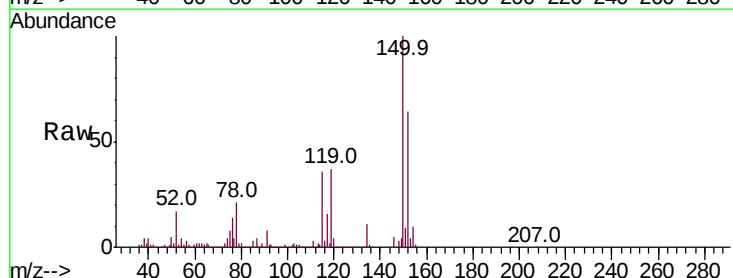
RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

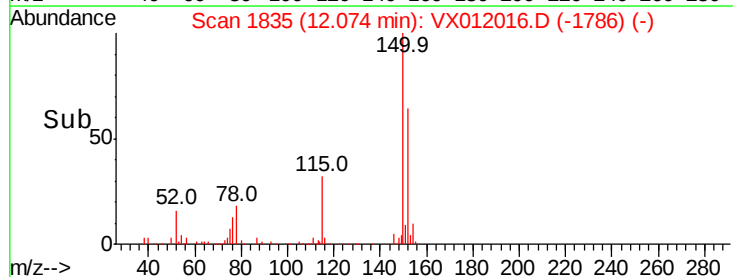
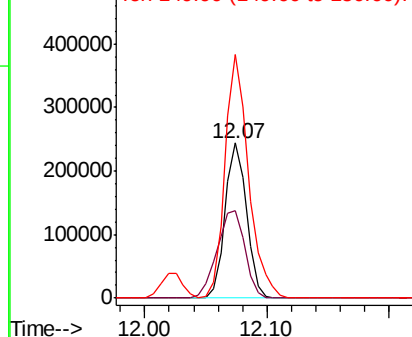
Lab File: VX012016.D

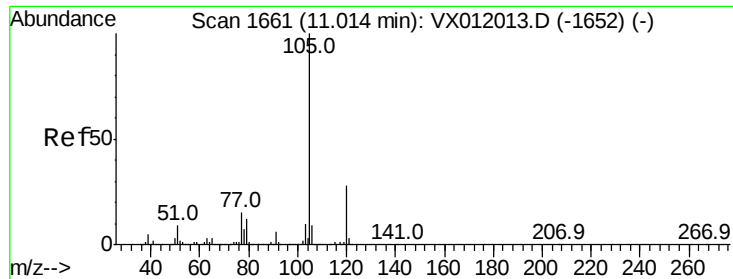
Acq: 02 Sep 2019 15:10

Tgt Ion:	152	Resp:	296247
Ion Ratio	Lower	Upper	
152	100		
115	74.1	36.4	109.3
150	172.6	0.0	341.2



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





#73

Isopropylbenzene

Concen: 52.688 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX012016.D

Acq: 02 Sep 2019 15:10

Instrument :

MSVOA_X

ClientSampleId :

ICVVX090219

Tot Ion:105 Resp: 871020

Ion Ratio Lower Upper

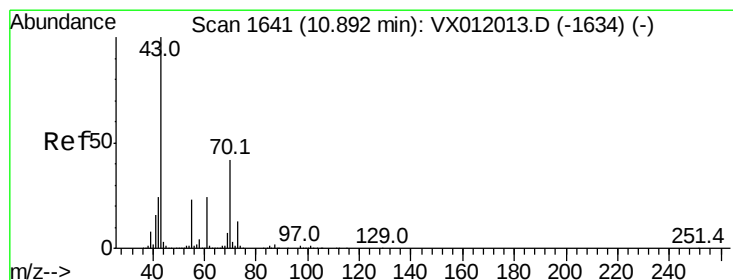
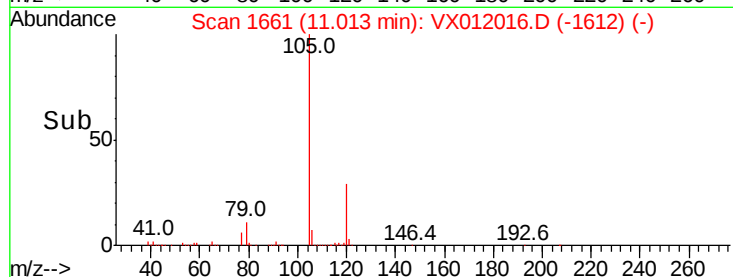
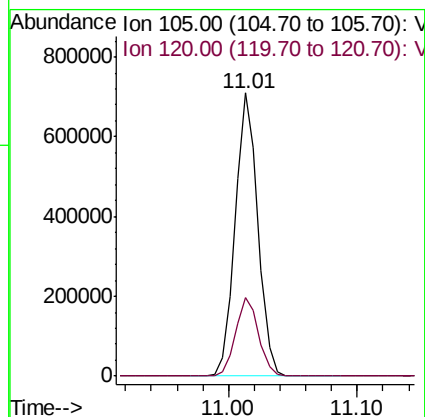
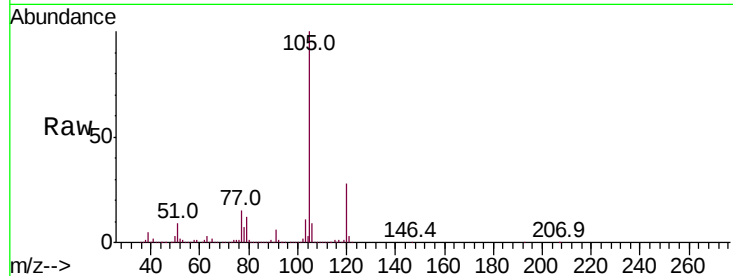
105 100

120 27.9 13.9 41.6

Manual Integrations
APPROVED

sam

9/3/2019 2:15:50 PM



#74

N-ethyl acetate

Concen: 54.592 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX012016.D

Acq: 02 Sep 2019 15:10

Tgt Ion: 43 Resp: 225043

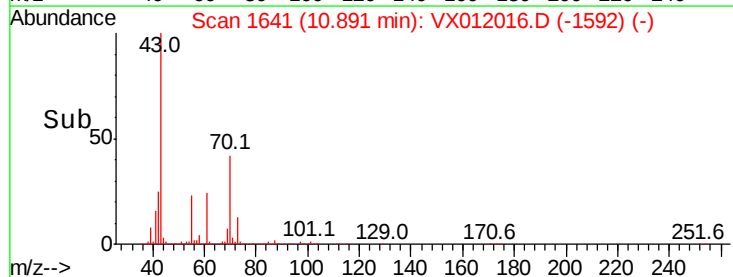
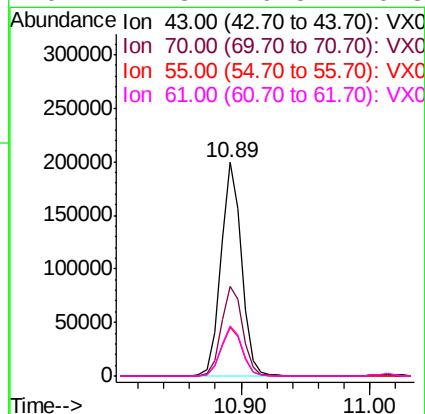
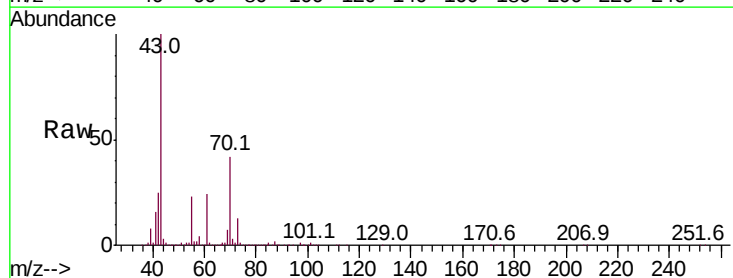
Ion Ratio Lower Upper

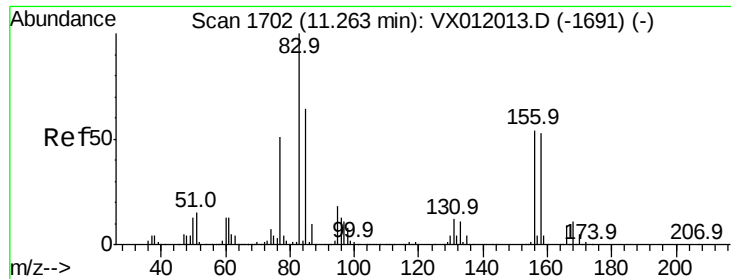
43 100

70 43.4 34.4 51.6

55 23.2 18.5 27.7

61 24.3 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 53.608 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX012016.D

Acq: 02 Sep 2019 15:10

Instrument :

MSVOA_X

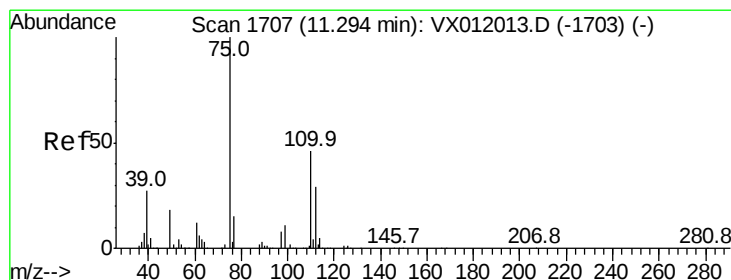
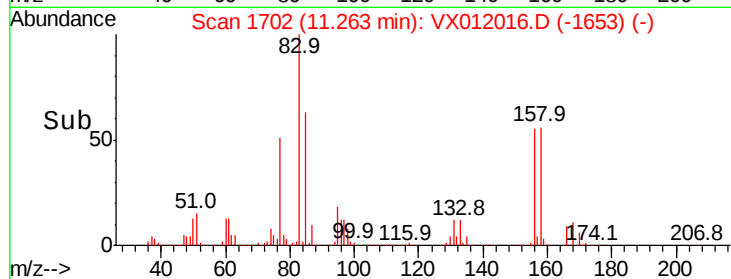
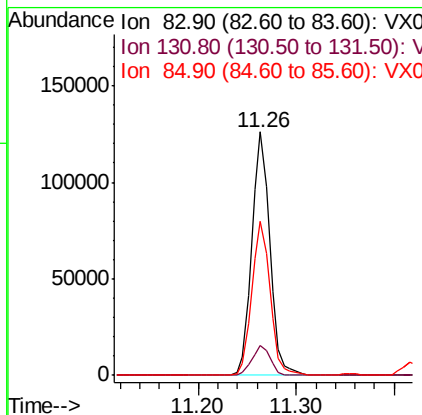
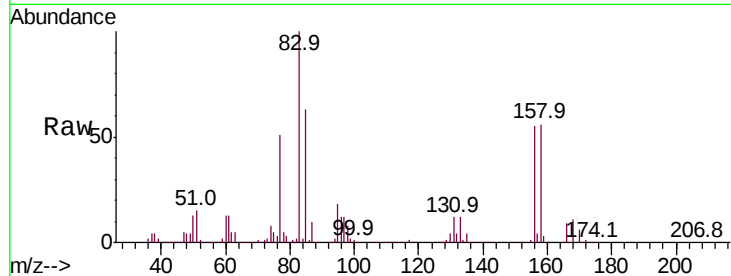
ClientSampled :

ICVVX090219

Tot Ion:	83	Resp:	162247
Ion Ratio	Lower	Upper	
83	100		
131	12.6	6.3	19.1
85	64.4	32.5	97.4

Manual Integrations
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sam
9/3/2019 2:15:50 PM



#76

1,2,3-Trichloropropane

Concen: 50.851 ug/l m

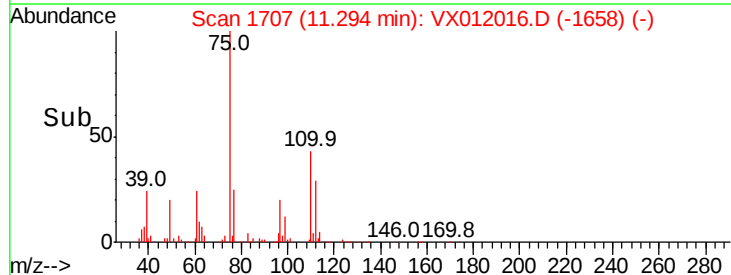
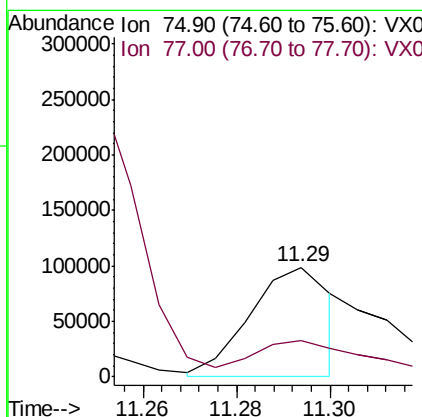
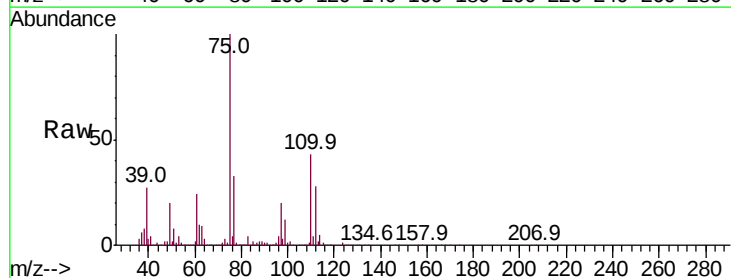
RT: 11.29 min Scan# 1707

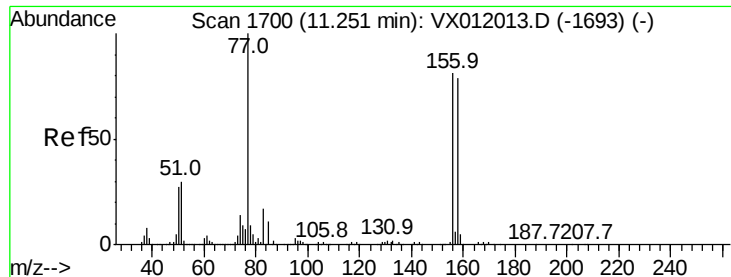
Delta R.T. -0.00 min

Lab File: VX012016.D

Acq: 02 Sep 2019 15:10

Tgt Ion:	75	Resp:	119248
Ion Ratio	Lower	Upper	
75	100		
77	46.9	23.5	70.5





#77

Bromobenzene

Concen: 53.970 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX012016.D

Acq: 02 Sep 2019 15:10

Instrument :

MSVOA_X

ClientSampleId :

ICVVX090219

Tot Ion:156 Resp: 260872

Ion Ratio Lower Upper

156 100

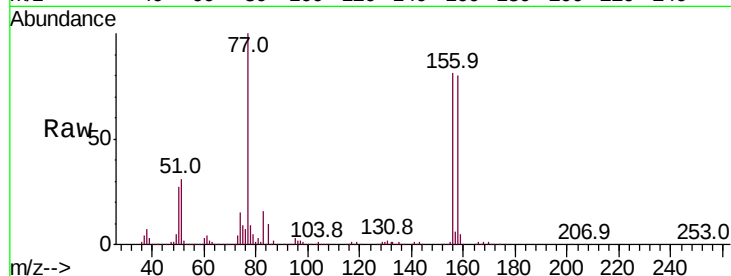
77 125.1 63.4 190.2

158 97.8 48.9 146.6

Manual Integrations
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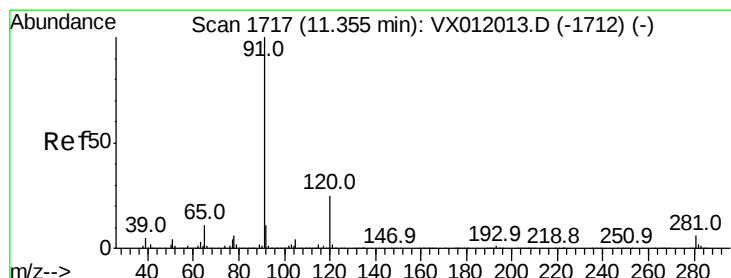
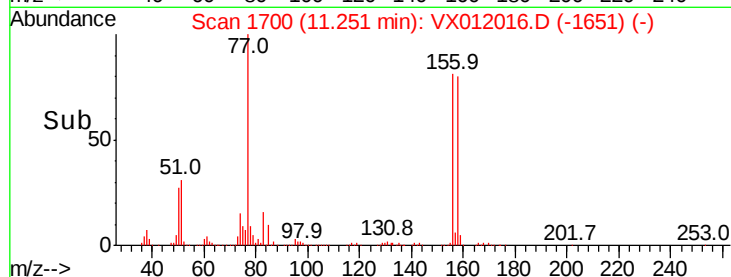
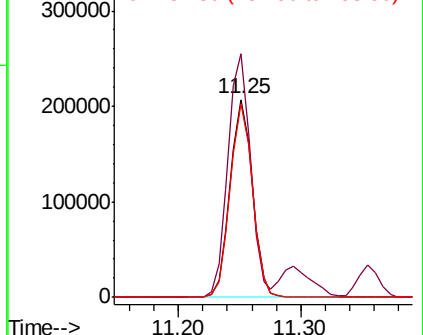
9/3/2019 2:15:50 PM



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: 52.756 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX012016.D

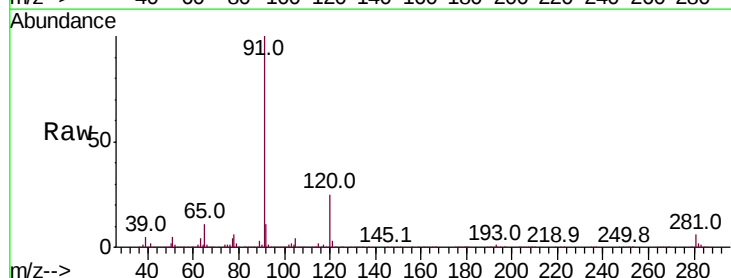
Acq: 02 Sep 2019 15:10

Tgt Ion: 91 Resp: 981443

Ion Ratio Lower Upper

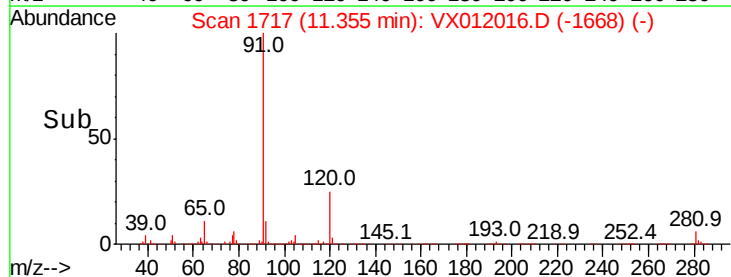
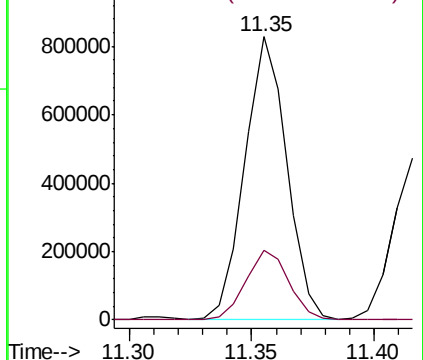
91 100

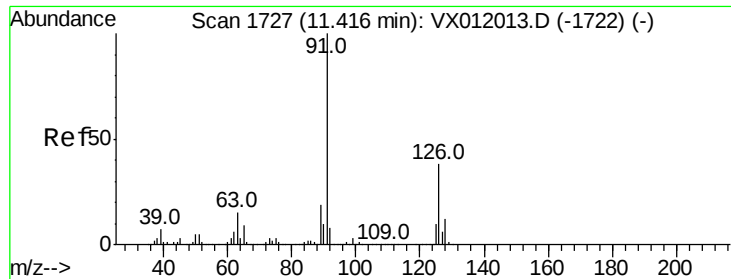
120 25.3 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.873 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX012016.D

Acq: 02 Sep 2019 15:10

Instrument :

MSVOA_X

ClientSampleId :

ICVVX090219

Tot Ion: 91 Resp: 582323

Ion Ratio Lower Upper

91 100

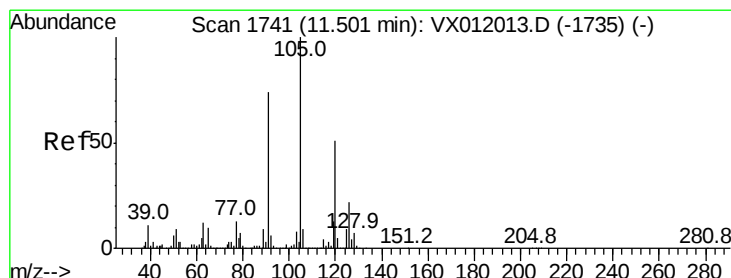
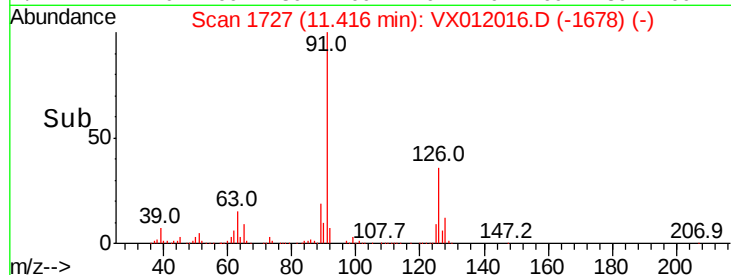
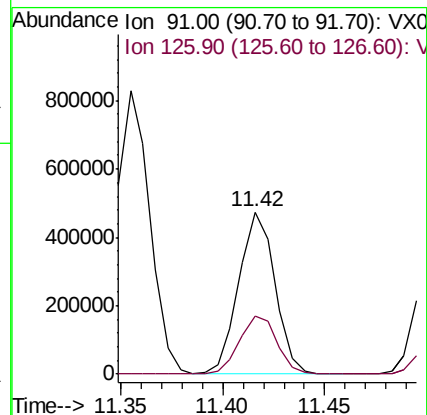
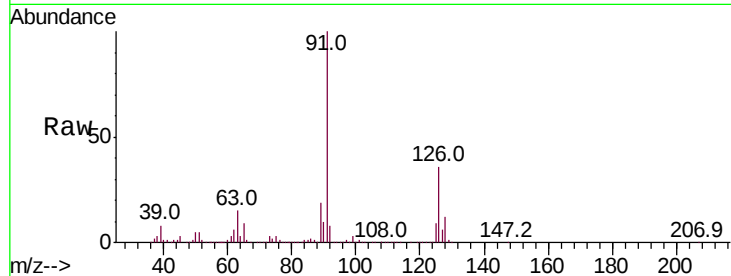
126 37.2 18.6 55.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 53.094 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX012016.D

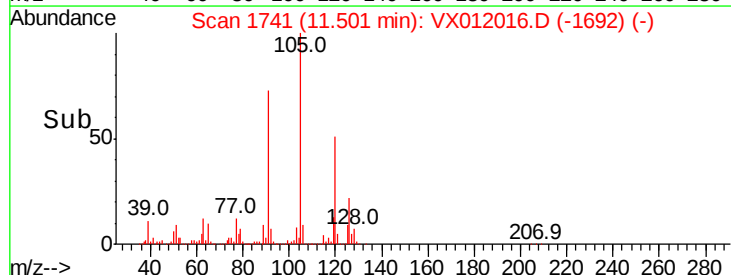
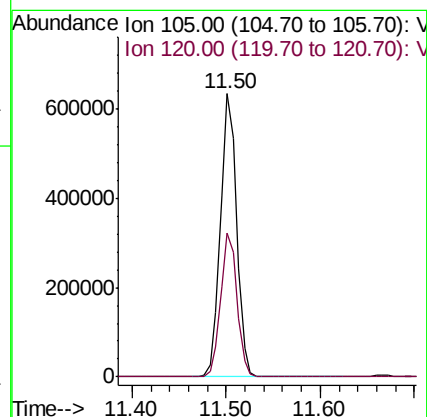
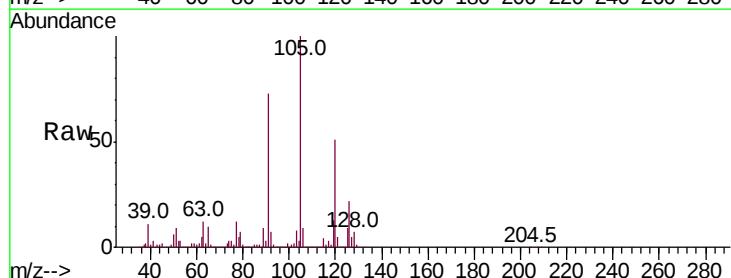
Acq: 02 Sep 2019 15:10

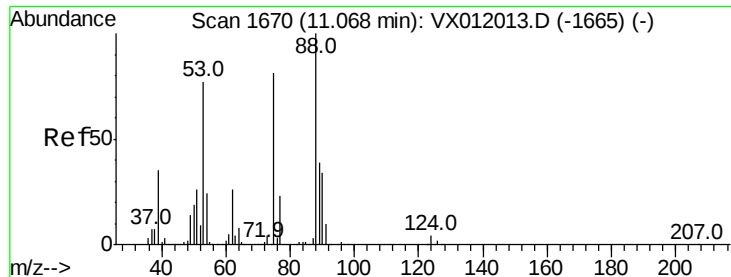
Tgt Ion: 105 Resp: 757162

Ion Ratio Lower Upper

105 100

120 51.0 25.8 77.3





#81

trans-1,4-Dichloro-2-butene

Concen: 51.911 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VX012016.D

Acq: 02 Sep 2019 15:10

Instrument :

MSVOA_X

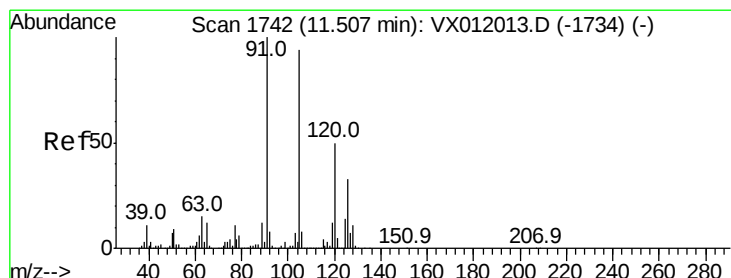
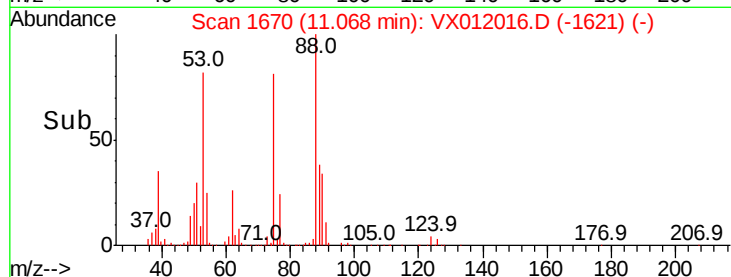
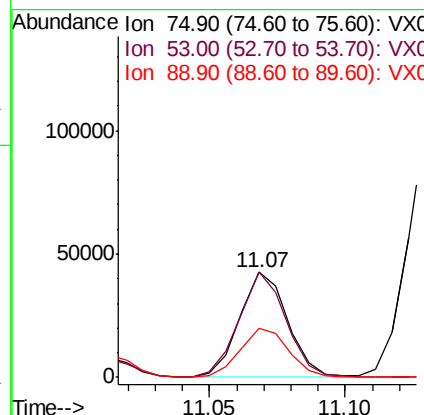
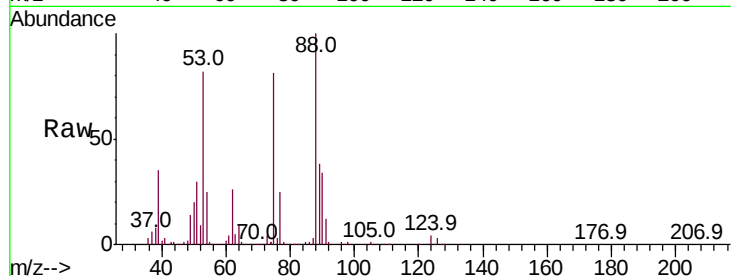
ClientSampled :

ICVVX090219

Tot Ion:	75	Resp:	51603
Ion	Ratio	Lower	Upper
75	100		
53	98.8	78.6	117.8
89	48.0	38.8	58.2

Manual Integrations
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9/3/2019 2:15:50 PM



#82

4-Chlorotoluene

Concen: 53.159 ug/l

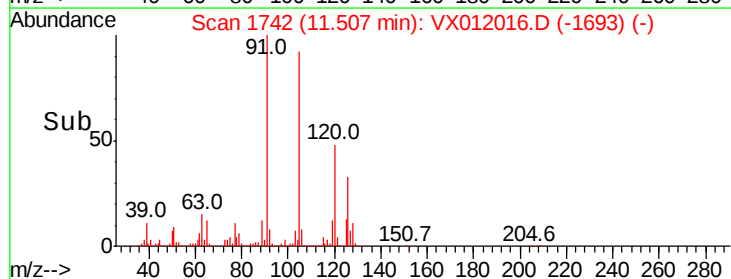
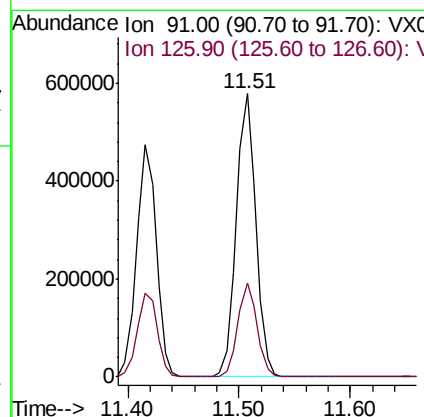
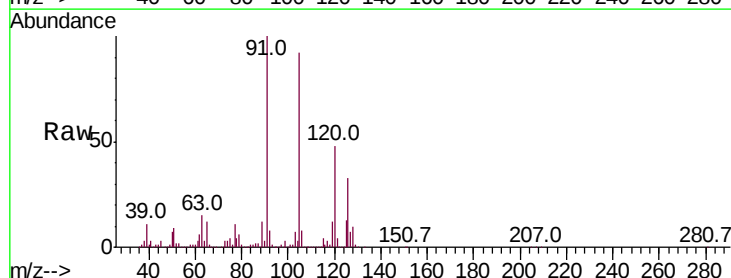
RT: 11.51 min Scan# 1742

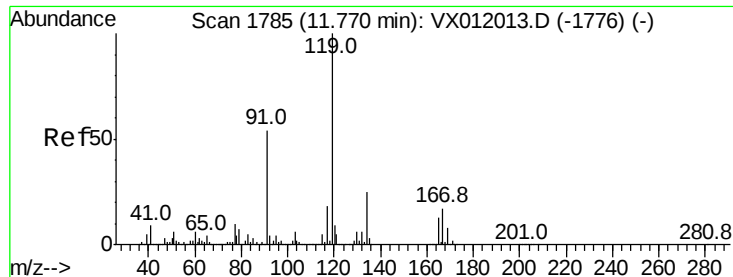
Delta R.T. -0.00 min

Lab File: VX012016.D

Acq: 02 Sep 2019 15:10

Tgt Ion:	91	Resp:	702522
Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.2	48.6





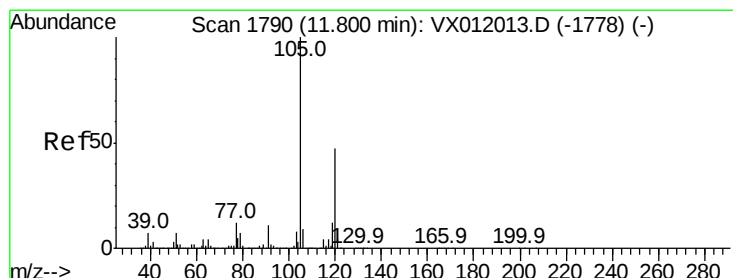
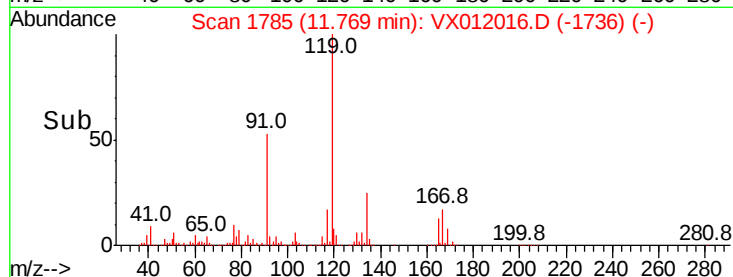
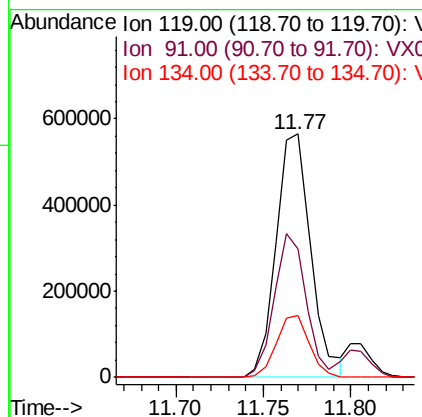
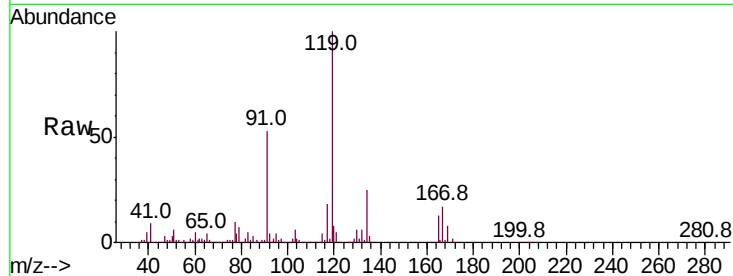
#83
tert-Butylbenzene
Concen: 53.261 ug/l
RT: 11.77 min Scan# 1785
Delta R.T. -0.00 min
Lab File: VX012016.D
Acq: 02 Sep 2019 15:10

Instrument :
MSVOA_X
ClientSampleId :
ICVVX090219

Tot Ion	Ratio	Resp	Lower	Upper
119	100	785095		
91	53.7		27.1	81.2
134	24.1		12.1	36.3

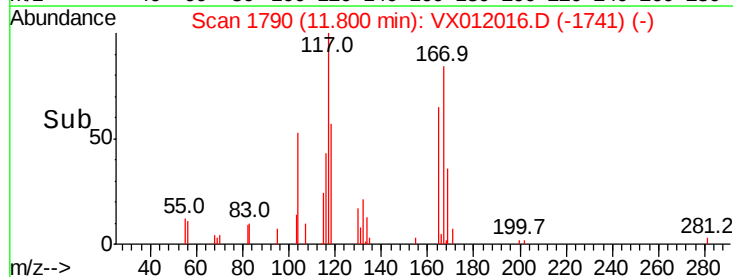
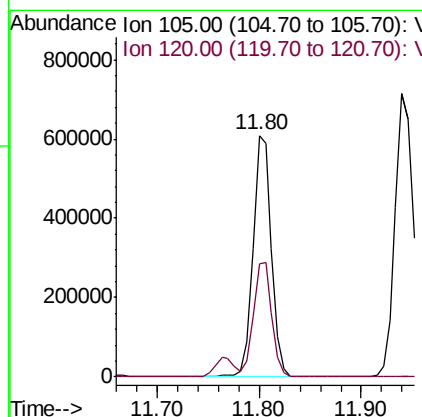
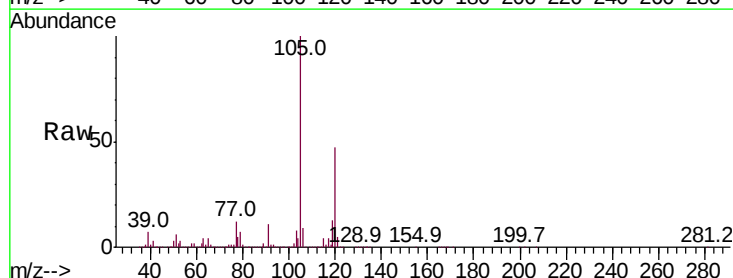
Manual Integrations
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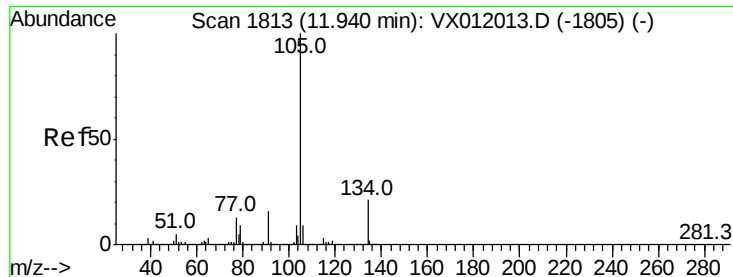
sam
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#84
1,2,4-Trimethylbenzene
Concen: 52.930 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. -0.00 min
Lab File: VX012016.D
Acq: 02 Sep 2019 15:10

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	764966		
120	47.5		23.6	70.8





#85

sec-Butylbenzene

Concen: 52.595 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX012016.D

Acq: 02 Sep 2019 15:10

Instrument :

MSVOA_X

ClientSampleId :

ICVVX090219

Tot Ion:105 Resp: 890536

Ion Ratio Lower Upper

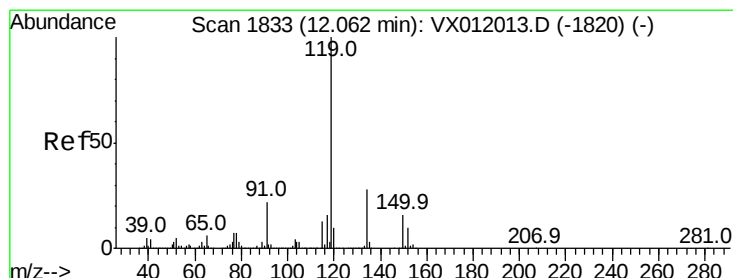
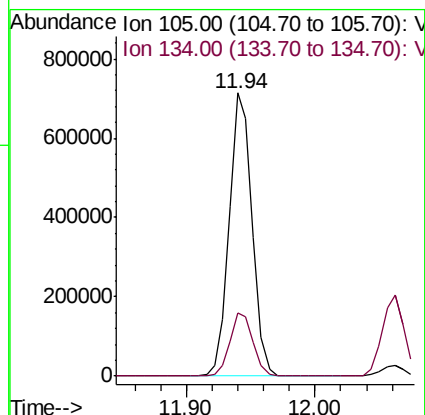
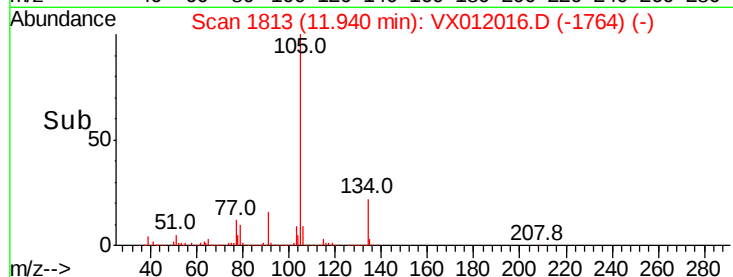
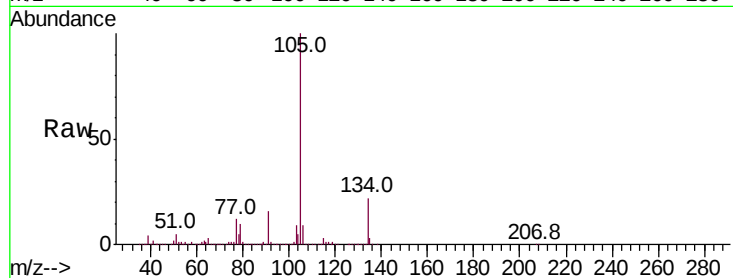
105 100

134 22.5 11.2 33.6

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 52.690 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX012016.D

Acq: 02 Sep 2019 15:10

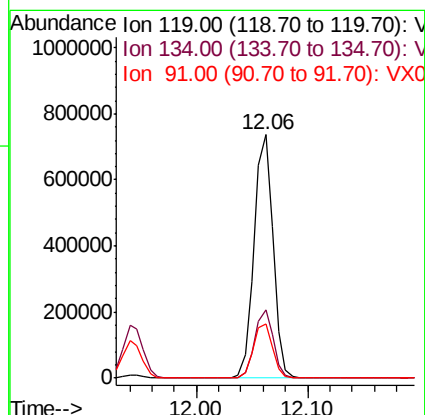
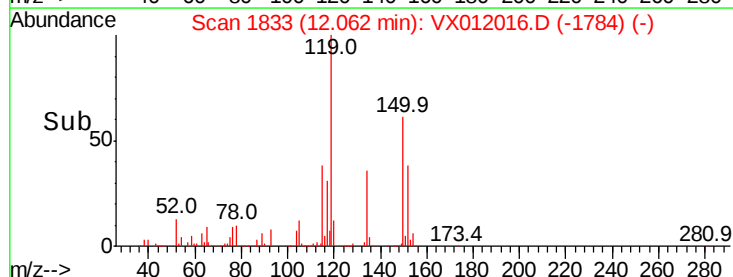
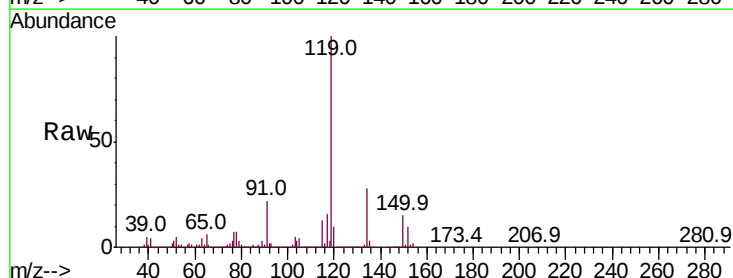
Tgt Ion:119 Resp: 873480

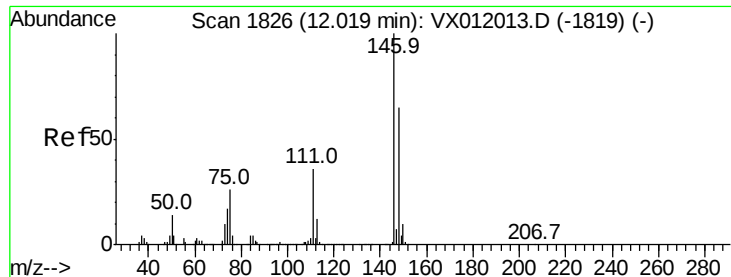
Ion Ratio Lower Upper

119 100

134 27.6 13.7 41.1

91 22.7 11.4 34.1





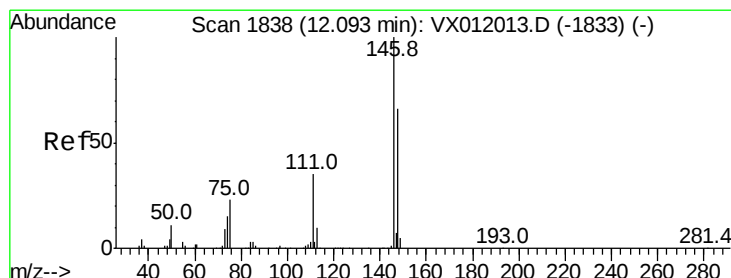
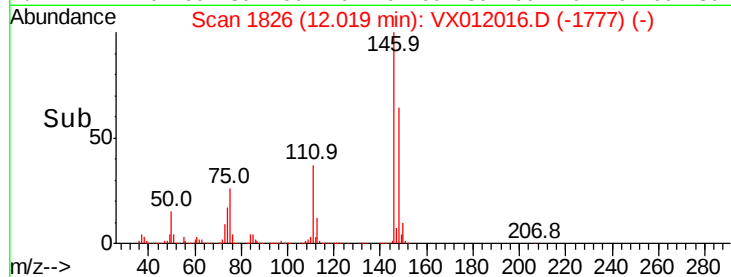
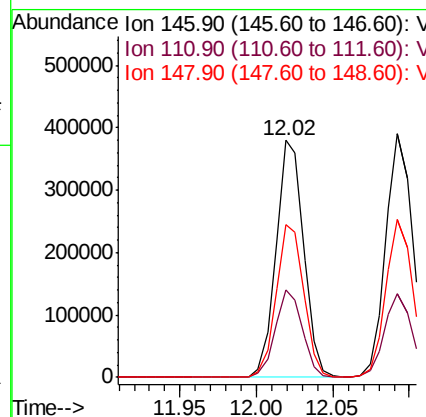
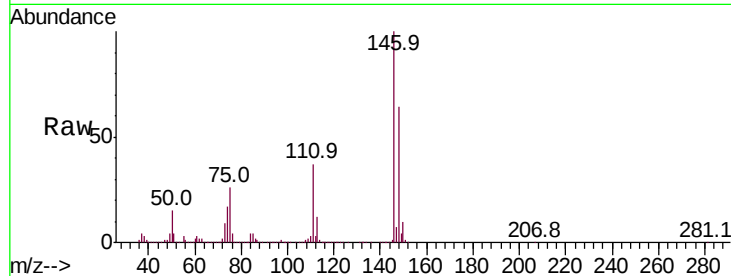
#87
 1,3-Dichlorobenzene
 Concen: 52.670 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX012016.D
 Acq: 02 Sep 2019 15:10

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX090219

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.1	54.1
148	64.7	32.6	97.8

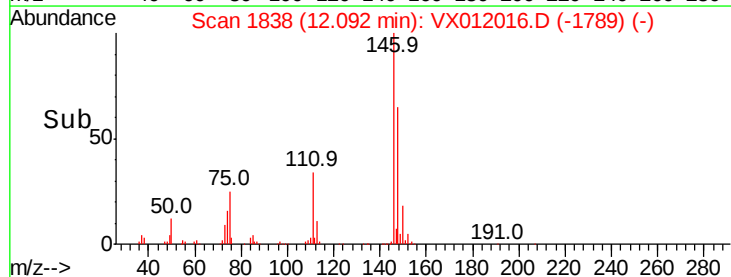
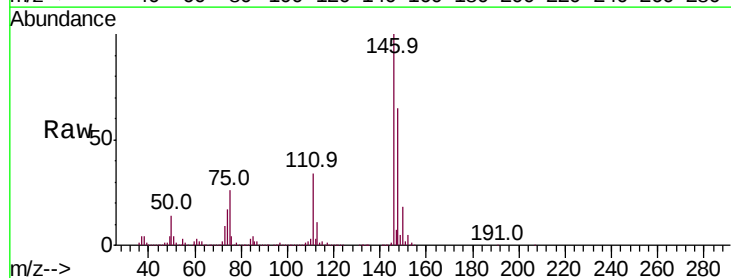
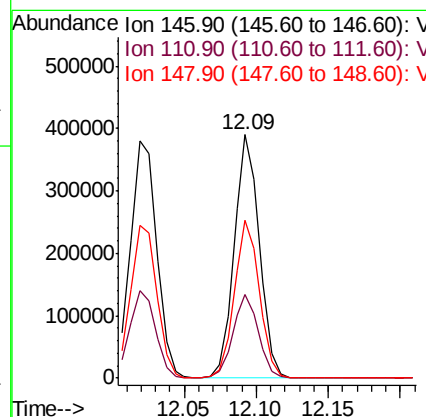
Manual Integrations
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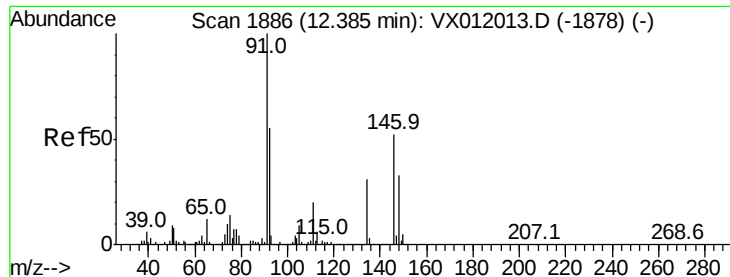
sam
 9/3/2019 2:15:50 PM



#88
 1,4-Dichlorobenzene
 Concen: 52.957 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX012016.D
 Acq: 02 Sep 2019 15:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.8	17.7	53.1
148	64.8	32.4	97.0





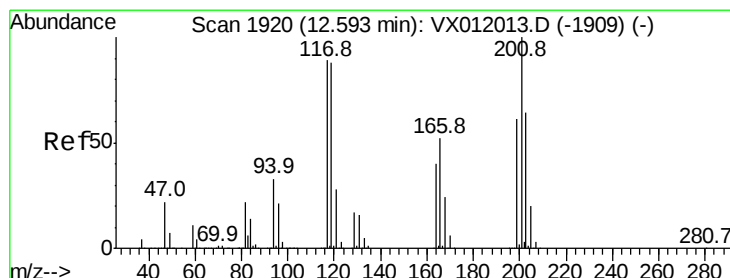
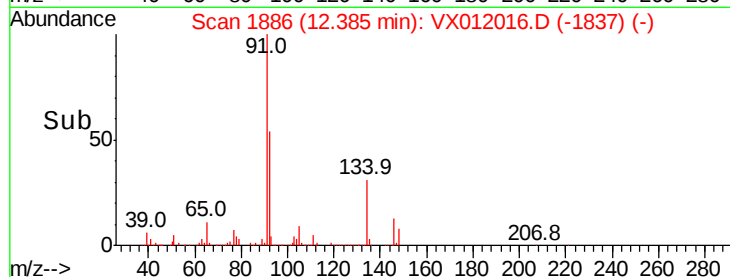
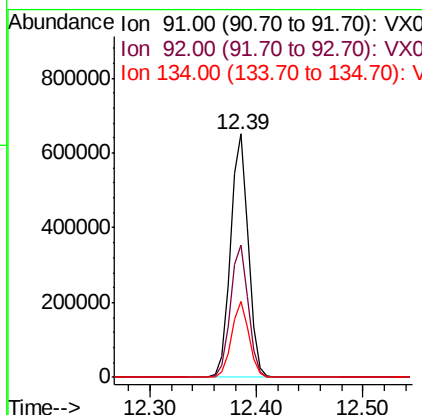
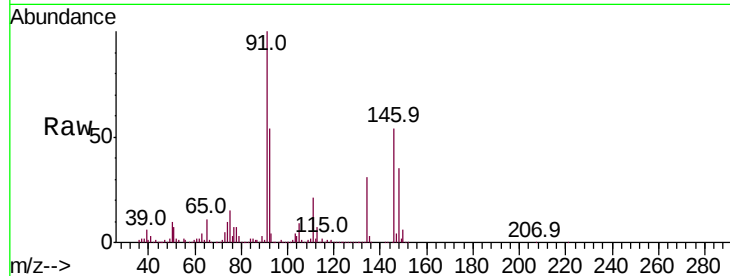
#89
n-Butylbenzene
Concen: 52.756 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX012016.D
Acq: 02 Sep 2019 15:10

Instrument :
MSVOA_X
ClientSampled :
ICVVX090219

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.7	27.6	82.8	
134	30.6	15.4	46.1	

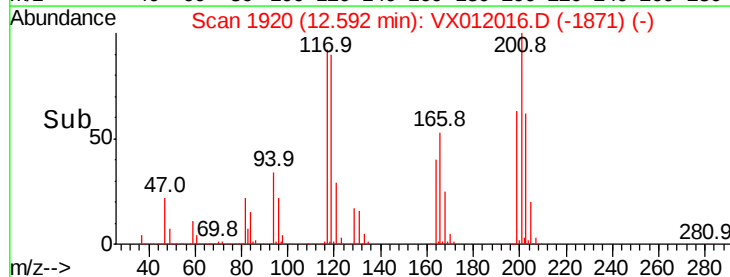
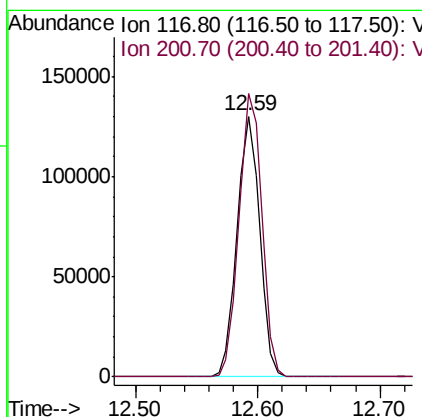
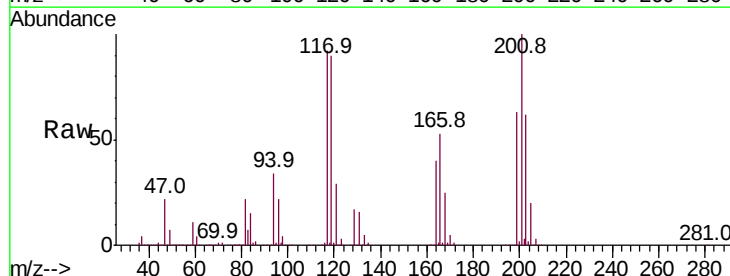
Manual Integrations
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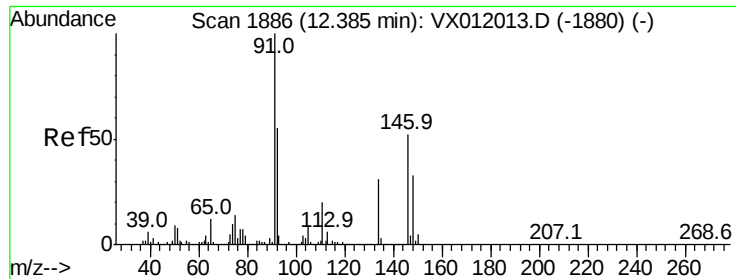
Sam
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#90
Hexachloroethane
Concen: 53.306 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX012016.D
Acq: 02 Sep 2019 15:10

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	110.3	55.0	165.2	





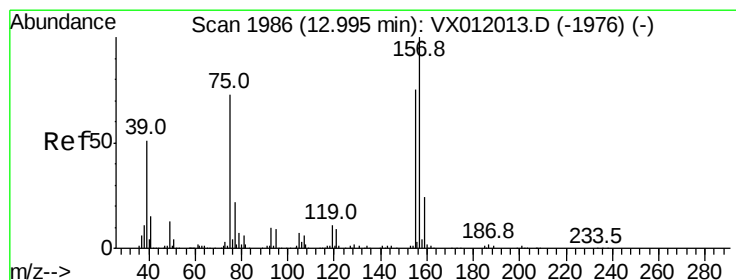
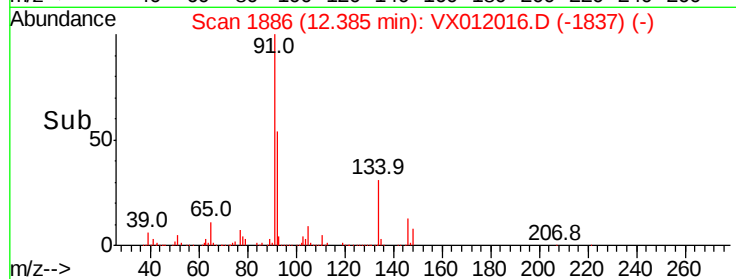
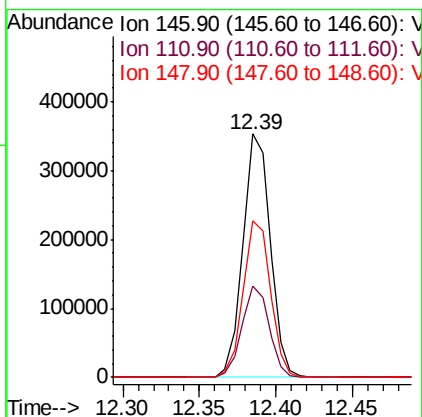
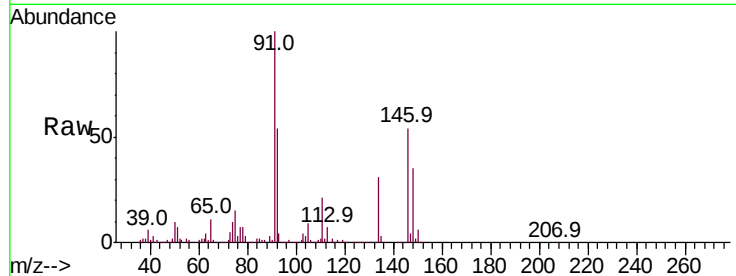
#91
 1,2-Dichlorobenzene
 Concen: 53.682 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX012016.D
 Acq: 02 Sep 2019 15:10

Instrument :
 MSVOA_X
 ClientSampled :
 ICVVX090219

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	37.4	18.6	56.0	
148	64.4	32.4	97.2	

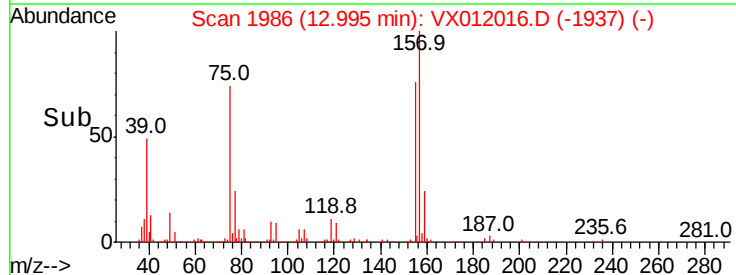
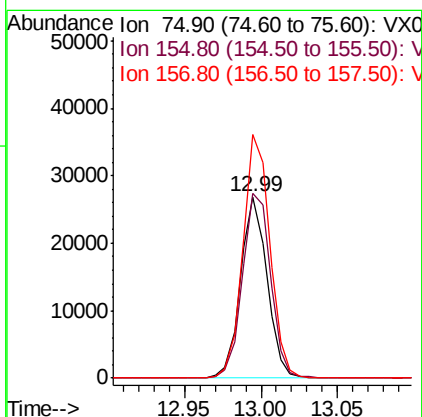
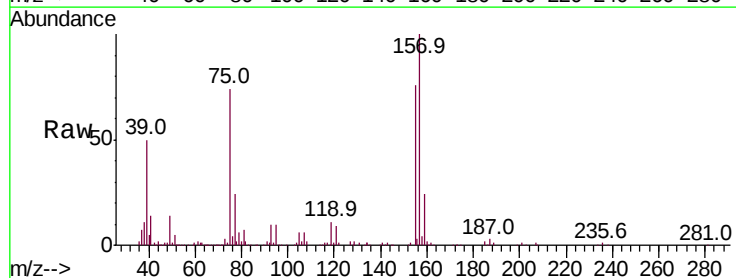
Manual Integrations
 APPROVED

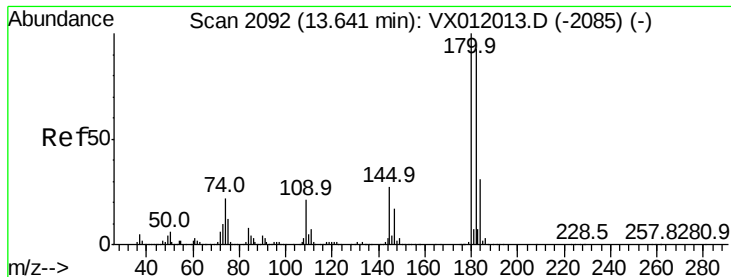
sam
 9/3/2019 2:15:50 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.381 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX012016.D
 Acq: 02 Sep 2019 15:10

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
155	108.2	51.7	155.2	
157	136.6	66.9	200.7	





#93

1,2,4-Trichlorobenzene

Concen: 53.627 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. -0.00 min

Lab File: VX012016.D

Acq: 02 Sep 2019 15:10

Instrument :

MSVOA_X

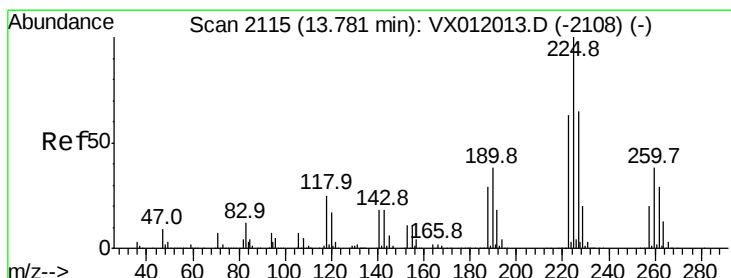
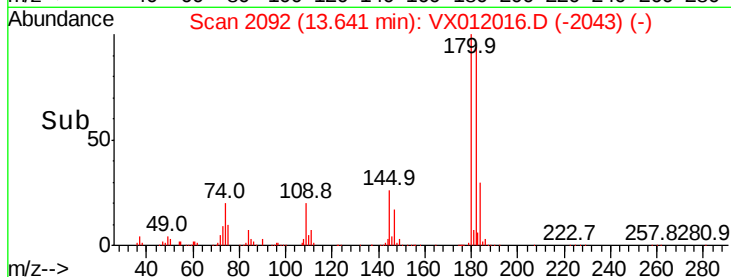
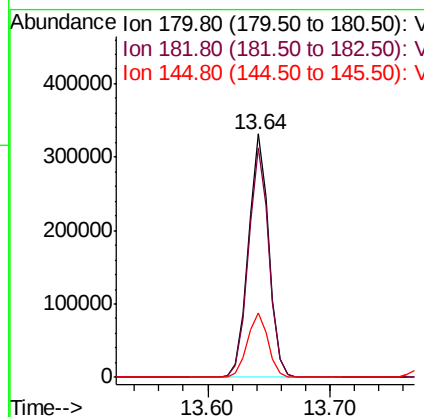
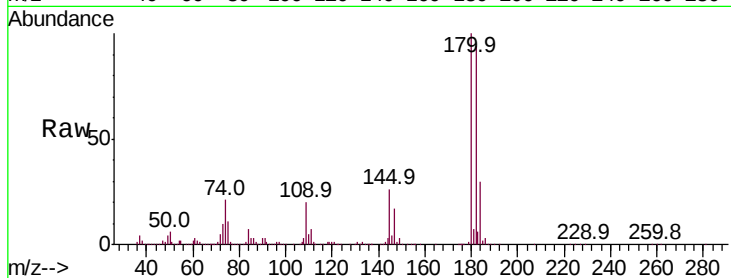
ClientSampleId :

ICVVX090219

Tot Ion:	180	Resp:	381868
Ion Ratio	Lower	Upper	
180	100		
182	95.0	47.3	142.0
145	26.8	13.7	41.0

Manual Integrations
APPROVED

Sam
9/3/2019 2:15:50 PM



#94

Hexachlorobutadiene

Concen: 52.314 ug/l

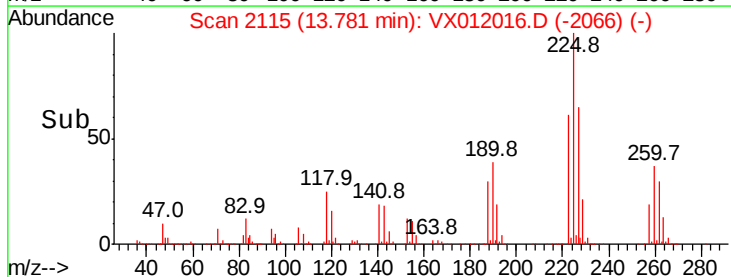
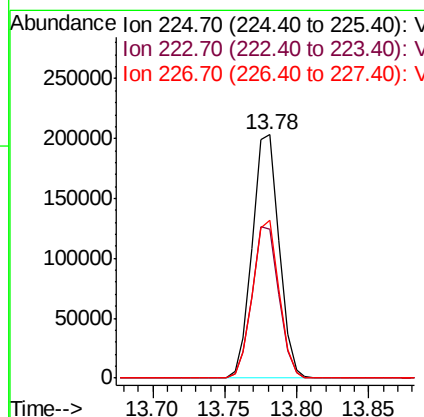
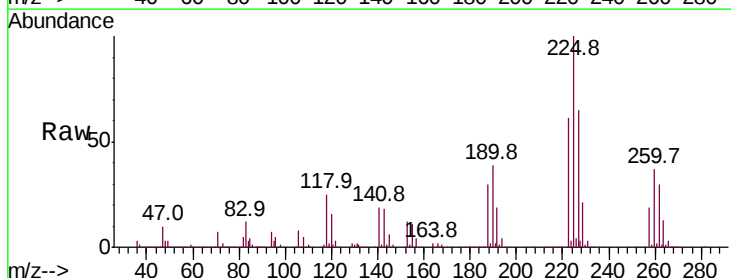
RT: 13.78 min Scan# 2115

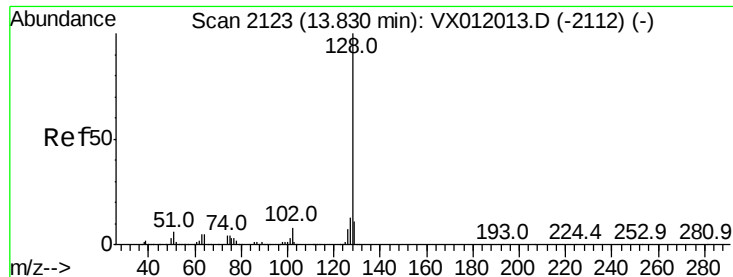
Delta R.T. -0.00 min

Lab File: VX012016.D

Acq: 02 Sep 2019 15:10

Tgt Ion:	225	Resp:	260269
Ion Ratio	Lower	Upper	
225	100		
223	62.1	31.6	95.0
227	63.8	32.5	97.5





#95

Naphthalene

Concen: 55.420 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX012016.D

Acq: 02 Sep 2019 15:10

Instrument :

MSVOA_X

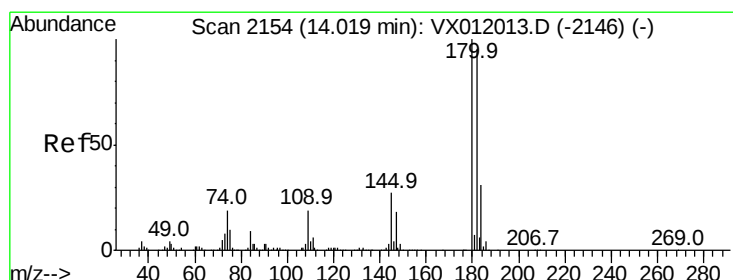
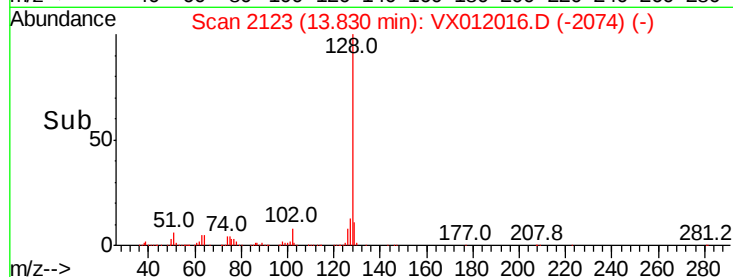
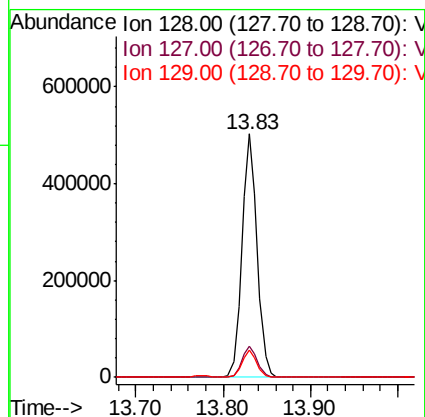
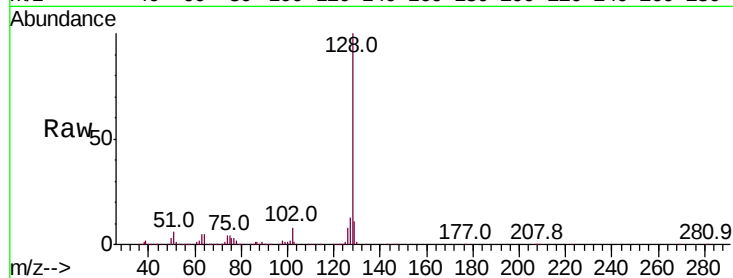
ClientSampleId :

ICVVX090219

Tot Ion:	128	Resp:	606798
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.5	15.7
129	11.1	8.8	13.2

Manual Integrations
APPROVED

sam
9/3/2019 2:15:50 PM



#96

1,2,3-Trichlorobenzene

Concen: 54.416 ug/l

RT: 14.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VX012016.D

Acq: 02 Sep 2019 15:10

Tgt Ion:	180	Resp:	340709
Ion Ratio	Lower	Upper	
180	100		
182	95.3	47.9	143.6
145	28.4	14.1	42.4

