

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX101119\
 Data File : VX013035.D
 Acq On : 11 Oct 2019 22:33
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/14/2019 10:39:50 AM

Quant Time: Oct 12 02:19:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 11 09:48:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	157119	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	265692	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	244226	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	115835	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	108015	55.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.00%	
35) Dibromofluoromethane	5.49	113	85009	55.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.50%	
50) Toluene-d8	8.71	98	326026	54.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.64%	
62) 4-Bromofluorobenzene	11.14	95	128525	55.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	85604	53.451	ug/l	100
3) Chloromethane	1.32	50	92496	53.068	ug/l	98
4) Vinyl Chloride	1.40	62	95344	52.998	ug/l	99
5) Bromomethane	1.63	94	37812	50.562	ug/l	99
6) Chloroethane	1.71	64	58728	53.417	ug/l	100
7) Trichlorofluoromethane	1.92	101	136393	56.171	ug/l	98
8) Diethyl Ether	2.18	74	53706	54.796	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	86267	54.895	ug/l	99
10) Methyl Iodide	2.50	142	97264	54.162	ug/l	100
11) Tert butyl alcohol	3.04	59	121347	233.099	ug/l	100
12) 1,1-Dichloroethene	2.36	96	87584	55.162	ug/l	95
13) Acrolein	2.28	56	87863	237.496	ug/l	98
14) Allyl chloride	2.72	41	152990	54.106	ug/l	98
15) Acrylonitrile	3.13	53	276561	280.334	ug/l	100
16) Acetone	2.44	43	228686	220.929	ug/l	98
17) Carbon Disulfide	2.56	76	221425	48.908	ug/l	99
18) Methyl Acetate	2.76	43	158454	64.583	ug/l	98
19) Methyl tert-butyl Ether	3.19	73	320630	58.476	ug/l	98
20) Methylene Chloride	2.84	84	102757	54.016	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	93470	54.924	ug/l	94
22) Diisopropyl ether	3.84	45	308962	57.023	ug/l	92
23) Vinyl Acetate	3.80	43	1265491	270.556	ug/l	99
24) 1,1-Dichloroethane	3.69	63	173735	56.997	ug/l	98
25) 2-Butanone	4.66	43	374177	260.555	ug/l	99
26) 2,2-Dichloropropane	4.58	77	124377	48.524	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	108421	55.271	ug/l	98
28) Bromochloromethane	5.00	49	52767	57.997	ug/l	100
29) Tetrahydrofuran	5.12	42	242320	274.207	ug/l	99
30) Chloroform	5.20	83	175304	56.050	ug/l	97
31) Cyclohexane	5.57	56	154846	54.327	ug/l	96
32) 1,1,1-Trichloroethane	5.48	97	152703	57.622	ug/l	99
36) 1,1-Dichloropropene	5.79	75	130983	56.072	ug/l	99
37) Ethyl Acetate	4.82	43	143632	54.988	ug/l	99
38) Carbon Tetrachloride	5.78	117	128183	56.376	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	157895	55.736	ug/l	100
40) Benzene	6.14	78	394734	57.213	ug/l	99
41) Methacrylonitrile	5.03	41	78926	54.989	ug/l	99
42) 1,2-Dichloroethane	6.19	62	141982	57.351	ug/l	100
43) Isopropyl Acetate	6.43	43	234608	55.960	ug/l	99
44) Trichloroethene	7.21	130	105692	55.244	ug/l	97
45) 1,2-Dichloropropane	7.51	63	101775	57.879	ug/l	98
46) Dibromomethane	7.65	93	68042	58.078	ug/l	98
47) Bromodichloromethane	7.89	83	132778	58.075	ug/l	97
48) Methyl methacrylate	7.76	41	113677	55.641	ug/l	99
49) 1,4-Dioxane	7.73	88	50423	922.510	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	743661	284.502	ug/l	99
52) Toluene	8.78	92	249386	56.500	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	145343	50.899	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	161106	57.293	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	100813	57.714	ug/l	95
56) Ethyl methacrylate	9.17	69	166618	53.148	ug/l	99
57) 1,3-Dichloropropane	9.37	76	171215	56.664	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	376785	293.625	ug/l	98
59) 2-Hexanone	9.49	43	566072	278.201	ug/l	99
60) Dibromochloromethane	9.58	129	103789	53.267	ug/l	98
61) 1,2-Dibromoethane	9.67	107	105812	57.584	ug/l	100
64) Tetrachloroethene	9.33	164	103666	61.198	ug/l	97
65) Chlorobenzene	10.14	112	264093	54.453	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	96239	57.231	ug/l	99
67) Ethyl Benzene	10.25	91	483406	56.113	ug/l	99
68) m/p-Xylenes	10.36	106	362272	112.564	ug/l	100
69) o-Xylene	10.70	106	177373	56.516	ug/l	99
70) Styrene	10.71	104	308316	57.786	ug/l	99
71) Bromoform	10.85	173	70349	49.164	ug/l #	100
73) Isopropylbenzene	11.01	105	474197	55.680	ug/l	98
74) N-amyl acetate	10.89	43	201637	54.975	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	145757	51.458	ug/l	97
76) 1,2,3-Trichloropropane	11.29	75	142026m	55.280	ug/l	
77) Bromobenzene	11.25	156	111410	55.514	ug/l	98
78) n-propylbenzene	11.35	91	523961	55.912	ug/l	97
79) 2-Chlorotoluene	11.42	91	322201	54.708	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	404897	56.938	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	46283	46.624	ug/l	100
82) 4-Chlorotoluene	11.51	91	377392	55.906	ug/l	100
83) tert-Butylbenzene	11.76	119	372894	53.755	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	405711	56.333	ug/l	100
85) sec-Butylbenzene	11.94	105	441792	54.972	ug/l	100
86) p-Isopropyltoluene	12.06	119	412306	55.316	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	202491	54.334	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	200013	52.993	ug/l	99
89) n-Butylbenzene	12.39	91	355670	56.776	ug/l	100
90) Hexachloroethane	12.59	117	70571	51.072	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	204195	55.889	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	38475	57.952	ug/l	94

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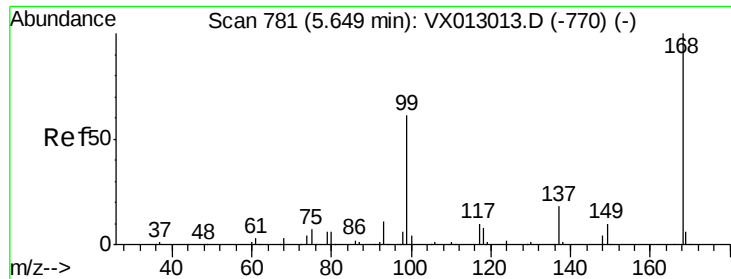
Manual Integrations
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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	124821	54.538	ug/l	97
94) Hexachlorobutadiene	13.78	225	55811	52.840	ug/l	99
95) Naphthalene	13.83	128	471542	59.435	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	129432	54.726	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.00 min

Lab File: VX013035.D

Acq: 11 Oct 2019 22:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 157119

Ion Ratio Lower Upper

168 100

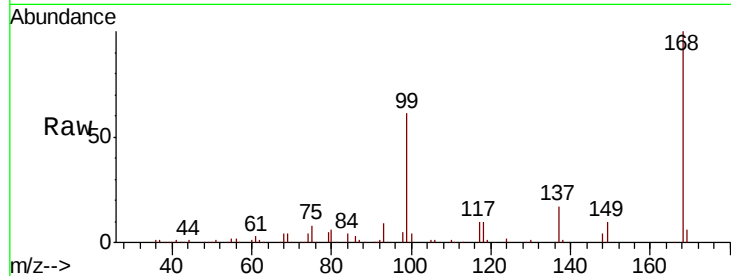
99 61.2 49.4 74.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

50000

40000

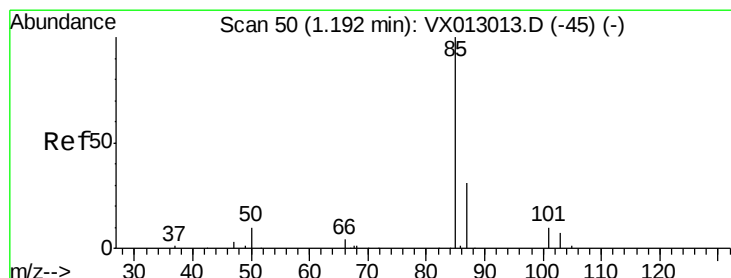
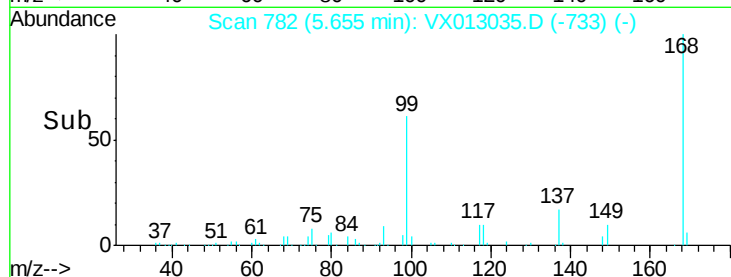
30000

20000

10000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 53.451 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.01 min

Lab File: VX013035.D

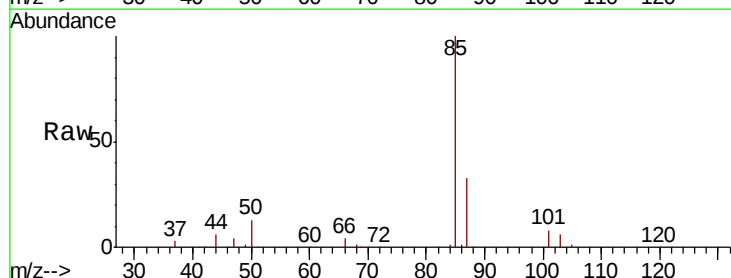
Acq: 11 Oct 2019 22:33

Tgt Ion: 85 Resp: 85604

Ion Ratio Lower Upper

85 100

87 32.8 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

80000

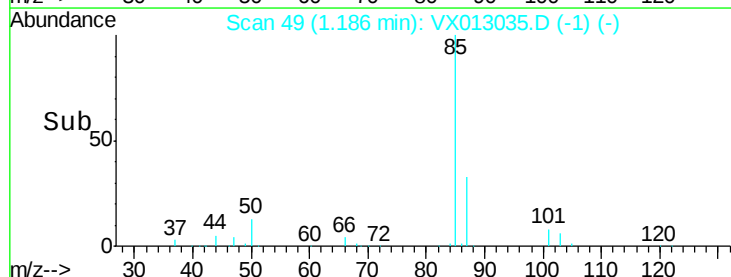
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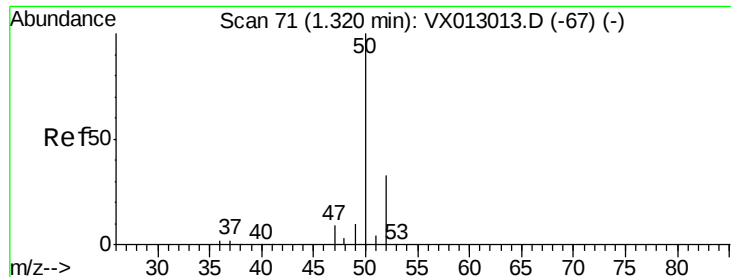
40000

20000

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Time-->





#3

Chloromethane

Concen: 53.068 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX013035.D

Acq: 11 Oct 2019 22:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 92496

Ion Ratio Lower Upper

50 100

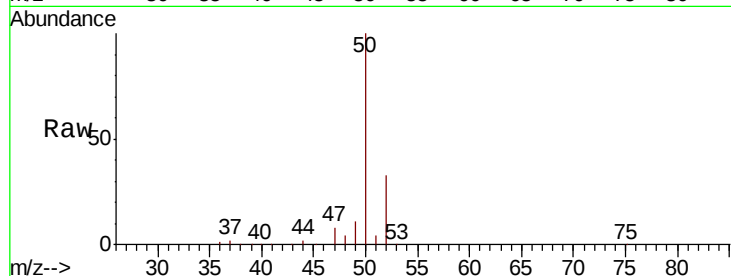
52 32.8 25.2 37.8

Manual Integrations

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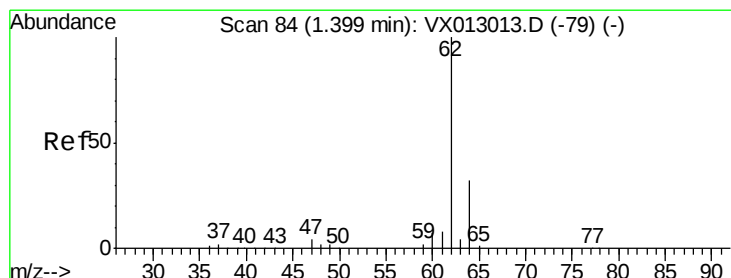
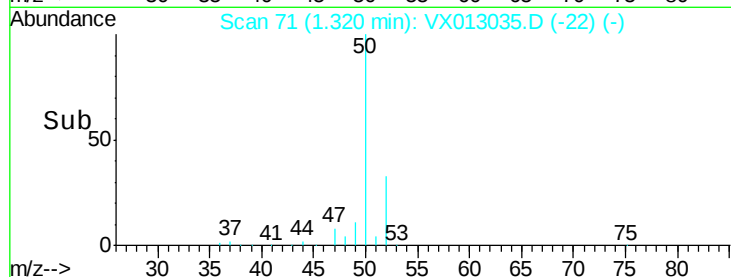
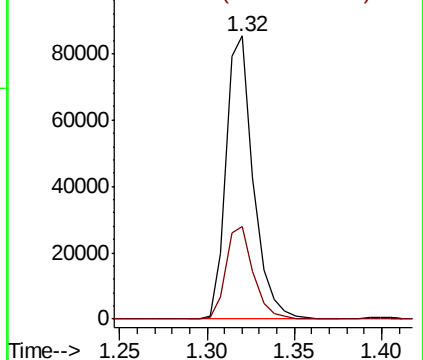
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 52.998 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX013035.D

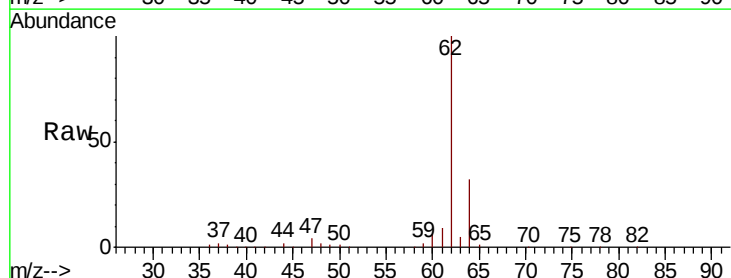
Acq: 11 Oct 2019 22:33

Tgt Ion: 62 Resp: 95344

Ion Ratio Lower Upper

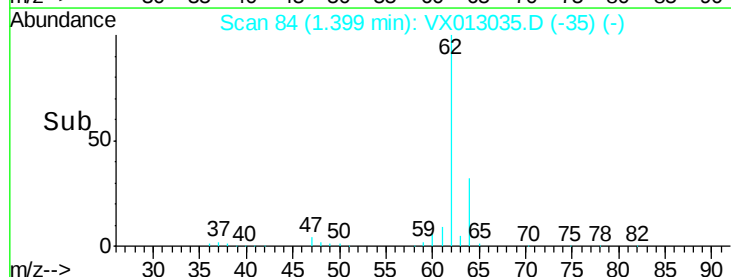
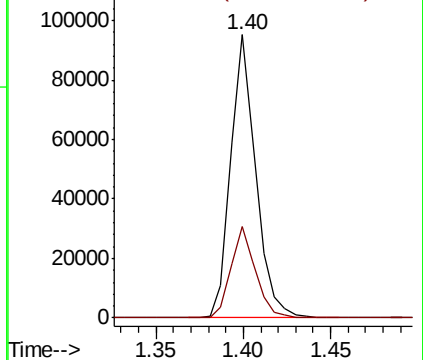
62 100

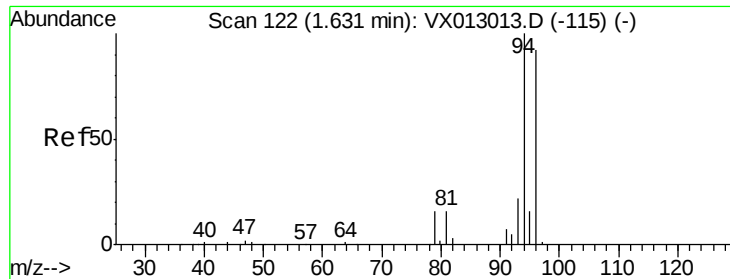
64 32.2 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 50.562 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.00 min

Lab File: VX013035.D

Acq: 11 Oct 2019 22:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 37812

Ion Ratio Lower Upper

94 100

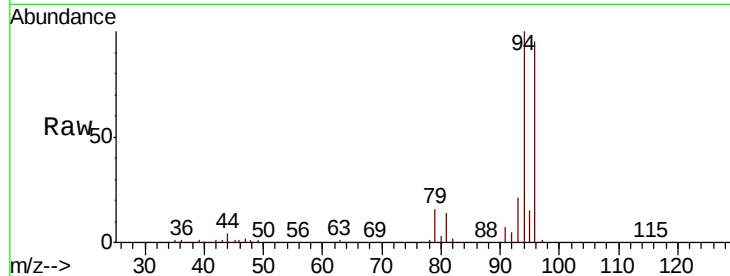
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Manual Integrations

APPROVED

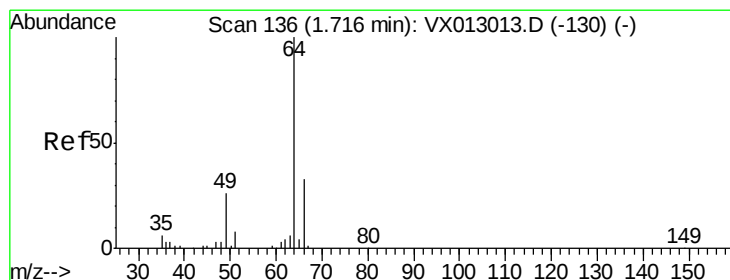
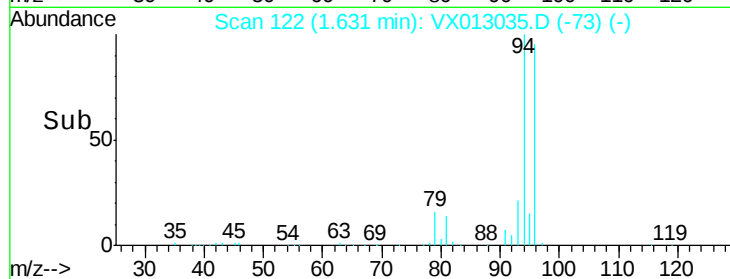
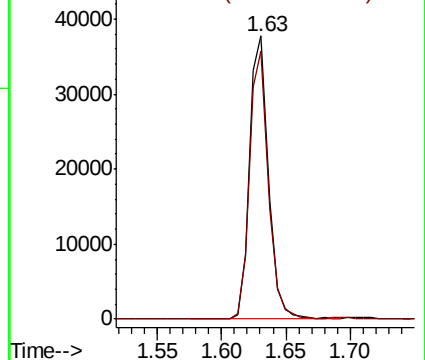
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 53.417 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX013035.D

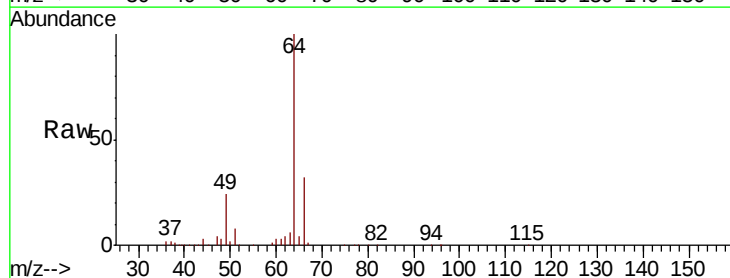
Acq: 11 Oct 2019 22:33

Tgt Ion: 64 Resp: 58728

Ion Ratio Lower Upper

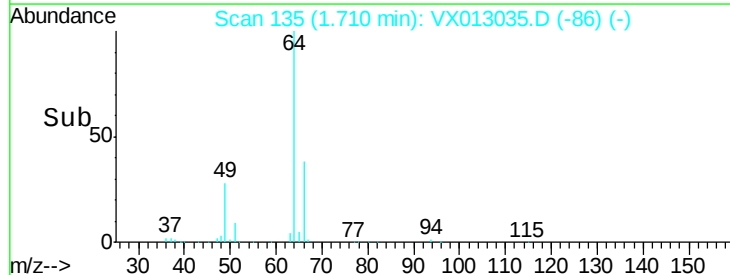
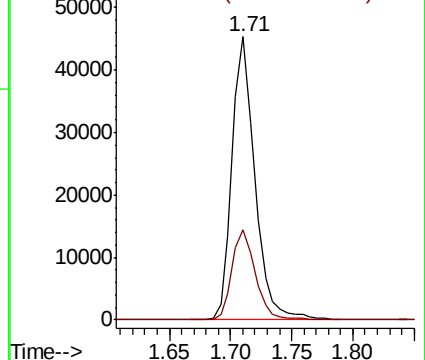
64 100

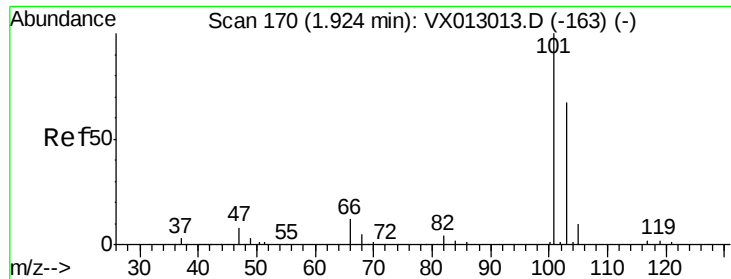
66 32.0 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

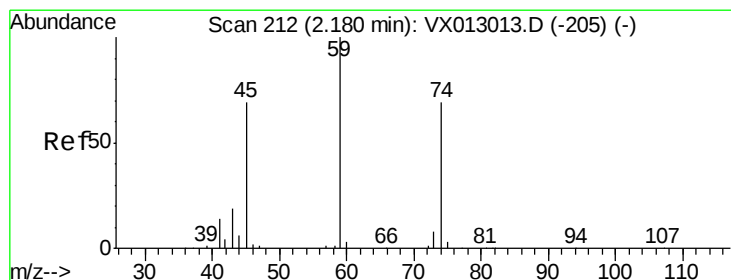
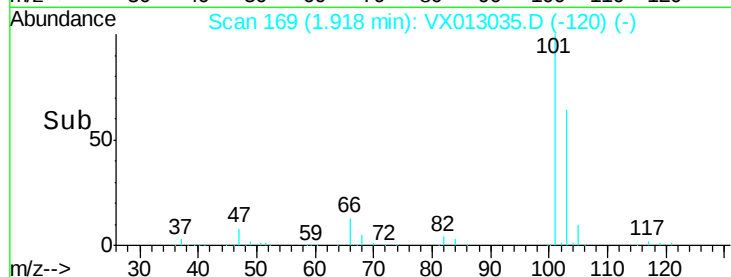
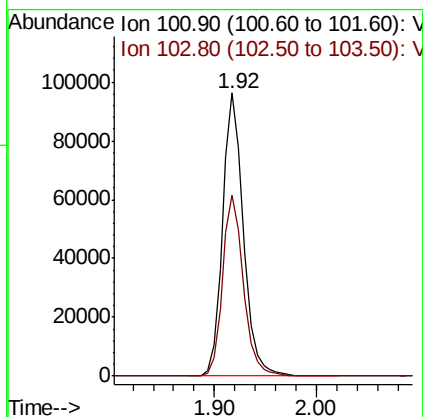
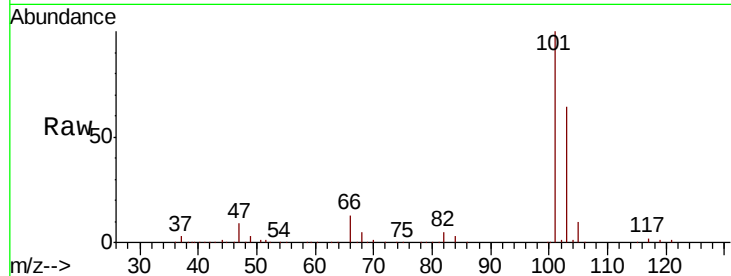
Trichlorofluoromethane
Concen: 56.171 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX013035.D
Acq: 11 Oct 2019 22:33

Instrument :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		136393		
103	64.1	52.5	78.7		

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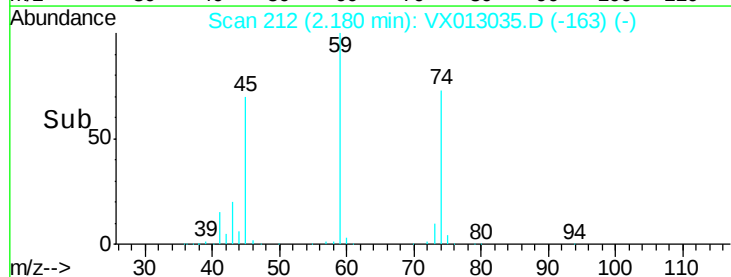
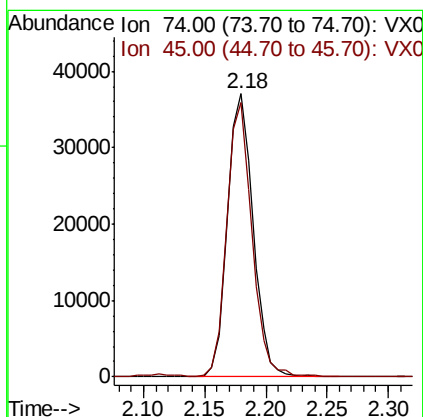
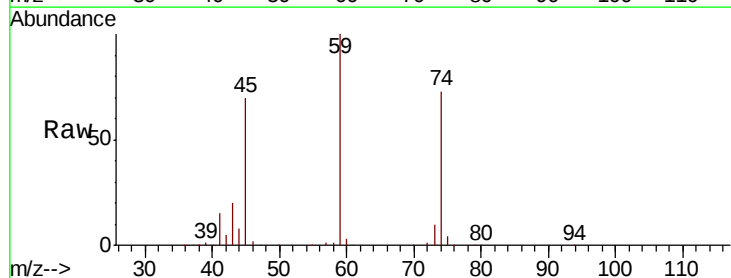
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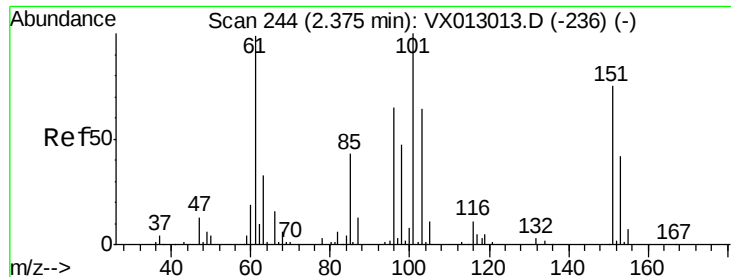


#8

Diethyl Ether
Concen: 54.796 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX013035.D
Acq: 11 Oct 2019 22:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		53706		
45	95.2	47.8	143.4		





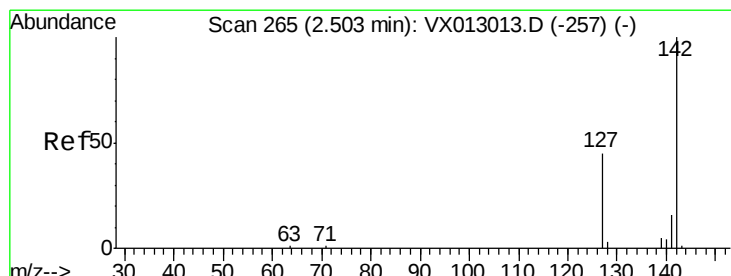
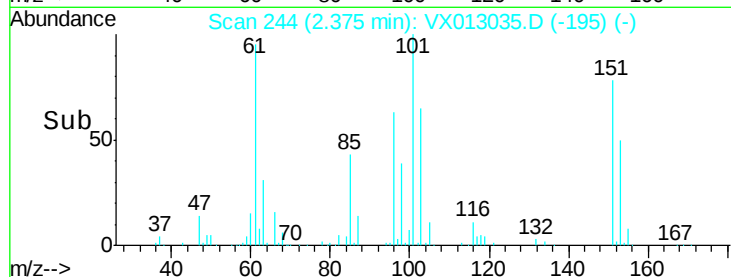
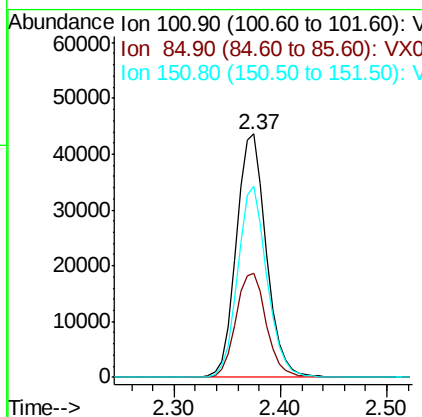
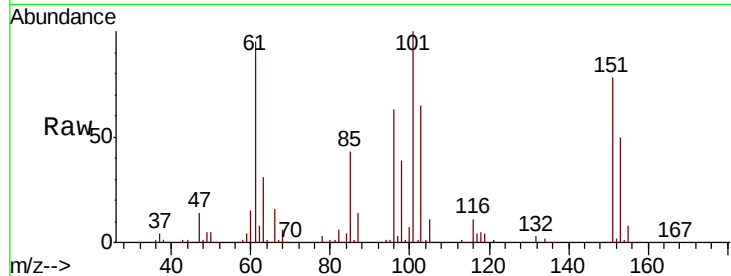
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 54.895 ug/l
 RT: 2.37 min Scan# 244
 Delta R.T. 0.00 min
 Lab File: VX013035.D
 Acq: 11 Oct 2019 22:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
85	43.5	35.2	52.8
151	76.9	60.3	90.5

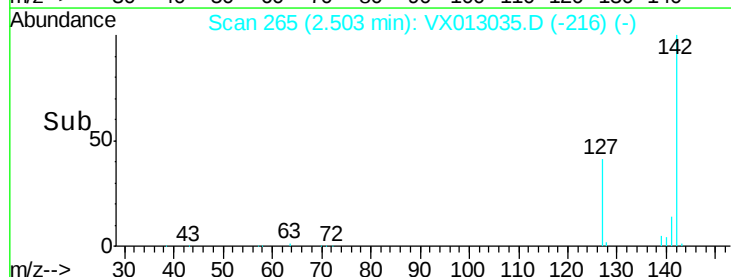
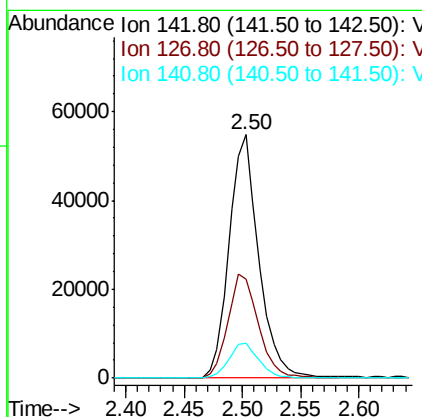
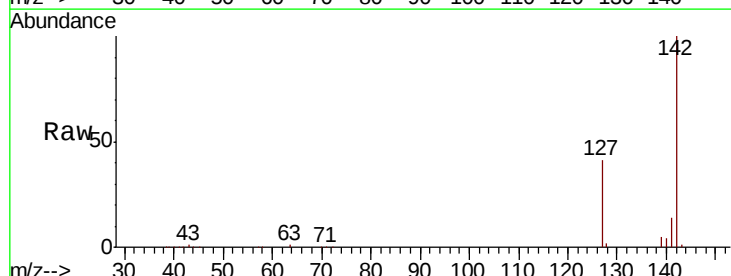
Manual Integrations
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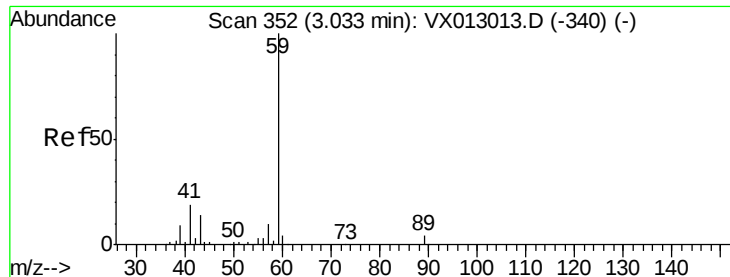
MMDadoda
 10/14/2019 10:39:50 AM



#10
 Methyl Iodide
 Concen: 54.162 ug/l
 RT: 2.50 min Scan# 265
 Delta R.T. 0.00 min
 Lab File: VX013035.D
 Acq: 11 Oct 2019 22:33

Tgt Ion	Ratio	Lower	Upper
142	100		
127	43.9	34.9	52.3
141	14.7	11.6	17.4





#11

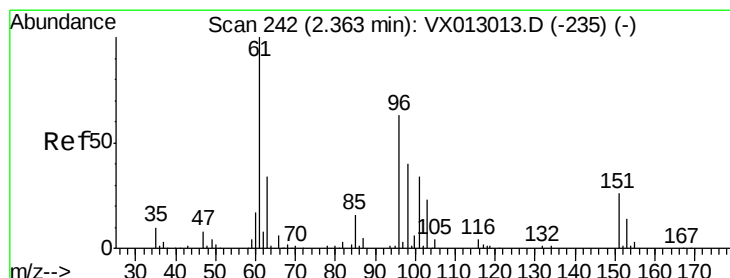
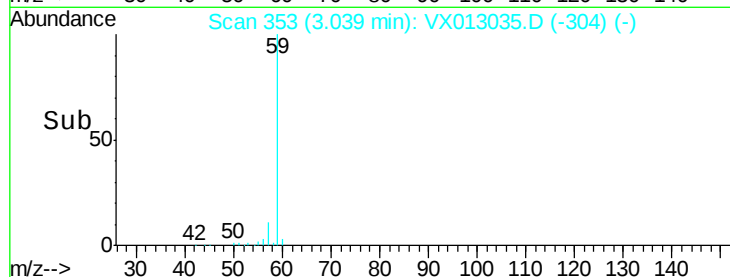
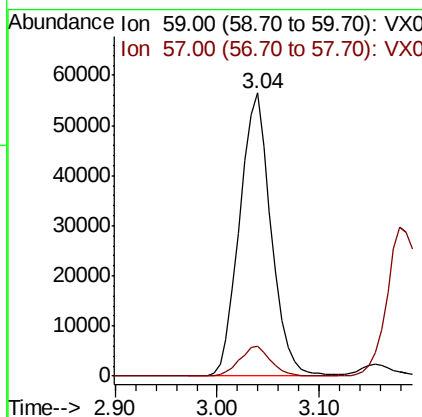
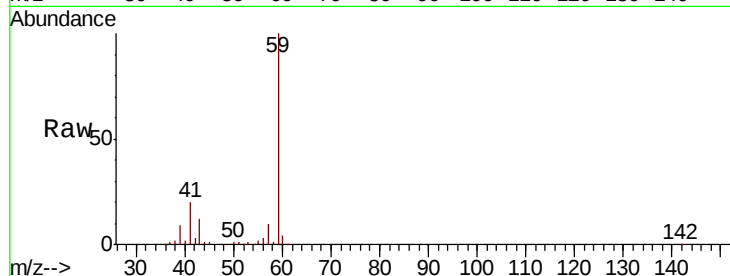
Tert butyl alcohol
Concen: 233.099 ug/l
RT: 3.04 min Scan# 353
Delta R.T. 0.00 min
Lab File: VX013035.D
Acq: 11 Oct 2019 22:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	121347
Ion Ratio	100	Lower	Upper
57	10.4	8.3	12.5

Manual Integrations
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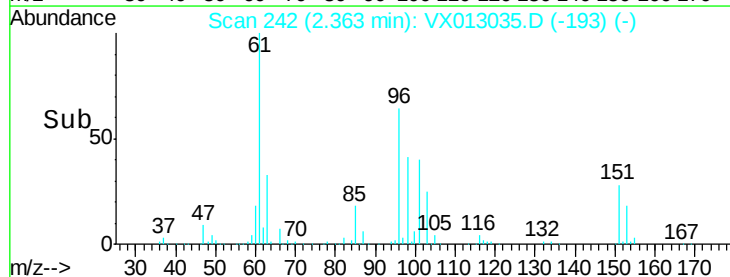
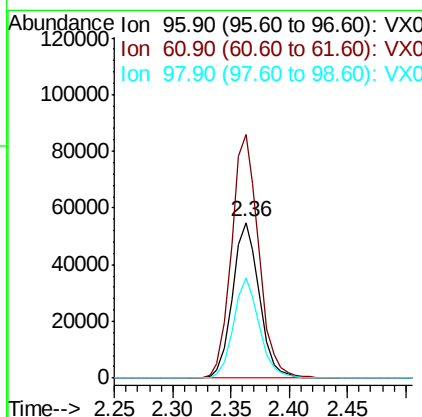
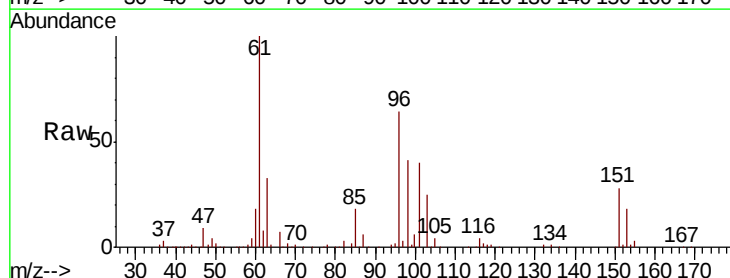
MMDadoda
10/14/2019 10:39:50 AM

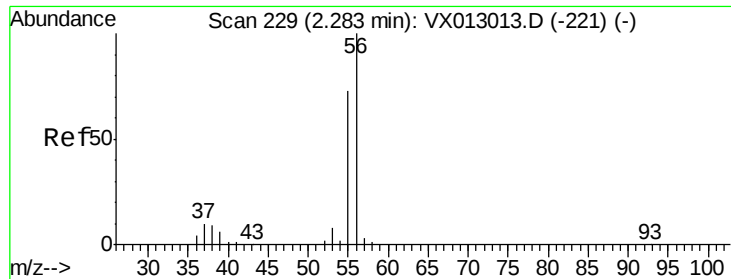


#12

1,1-Dichloroethene
Concen: 55.162 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX013035.D
Acq: 11 Oct 2019 22:33

Tgt Ion	96	Resp	87584
Ion Ratio	100	Lower	Upper
61	156.6	132.2	198.4
98	64.3	50.5	75.7





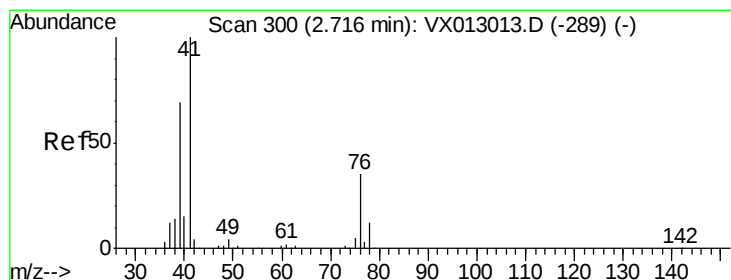
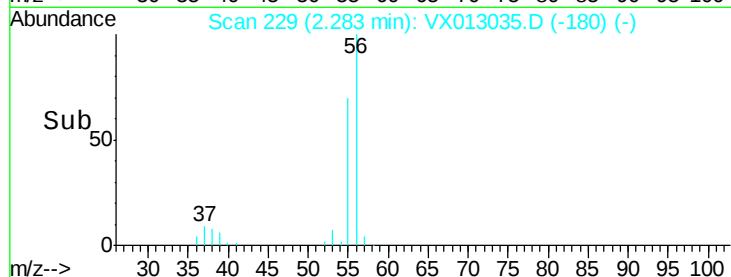
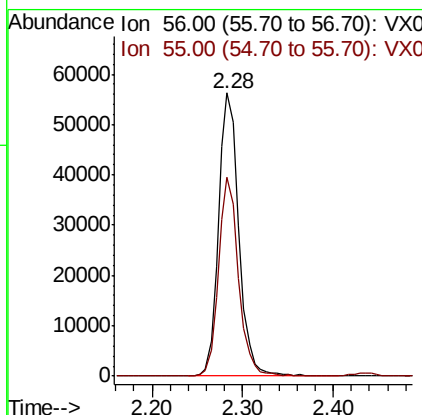
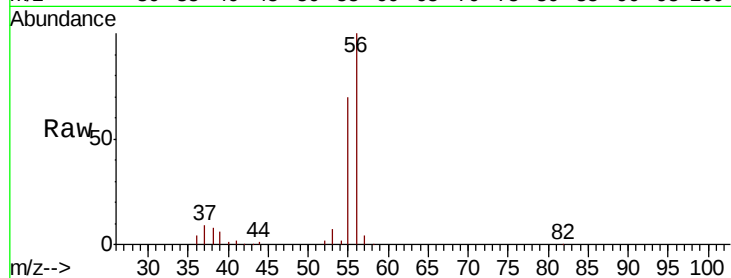
#13
Acrolein
Concen: 237.496 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX013035.D
Acq: 11 Oct 2019 22:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	87863
Ion	Ratio	Lower	Upper
56	100		
55	68.8	56.6	85.0

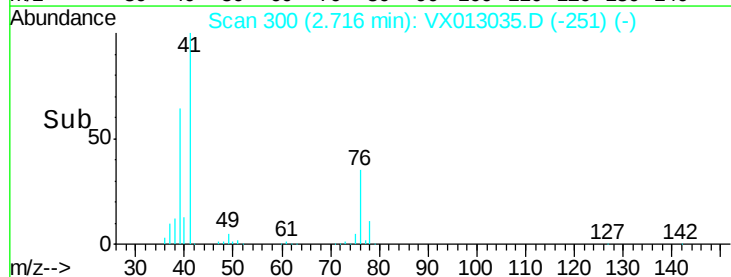
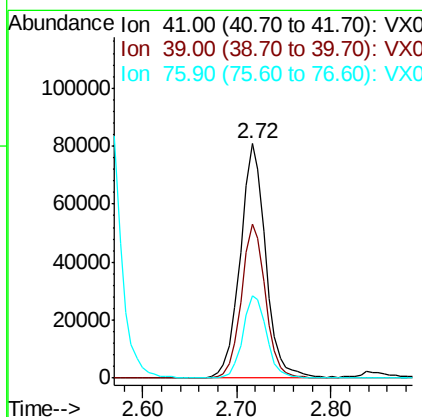
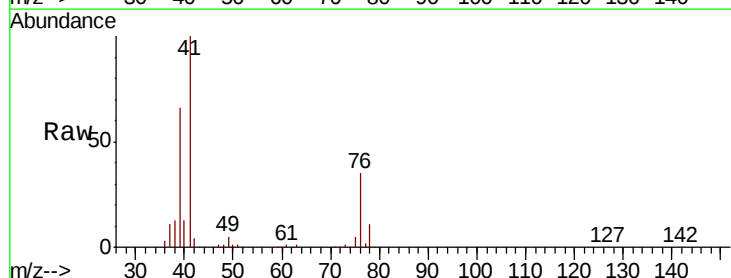
Manual Integrations
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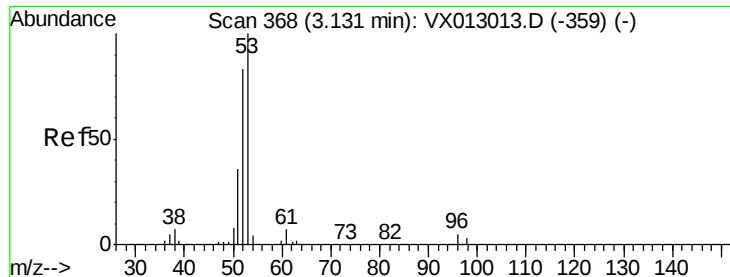
MMDadoda
10/14/2019 10:39:50 AM



#14
Allyl chloride
Concen: 54.106 ug/l
RT: 2.72 min Scan# 300
Delta R.T. 0.00 min
Lab File: VX013035.D
Acq: 11 Oct 2019 22:33

Tgt Ion	41	Resp	152990
Ion	Ratio	Lower	Upper
41	100		
39	62.1	51.0	76.6
76	33.0	26.2	39.4





#15

Acrylonitrile

Concen: 280.334 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.01 min

Lab File: VX013035.D

Acq: 11 Oct 2019 22:33

Instrument :

MSVOA_X

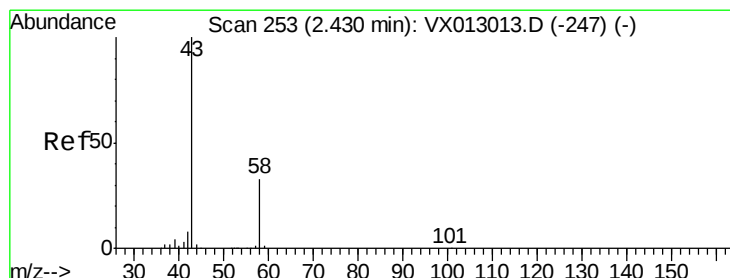
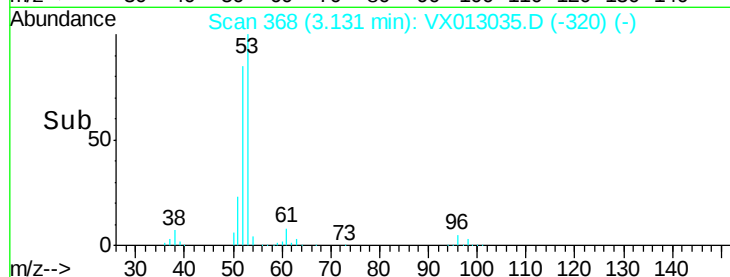
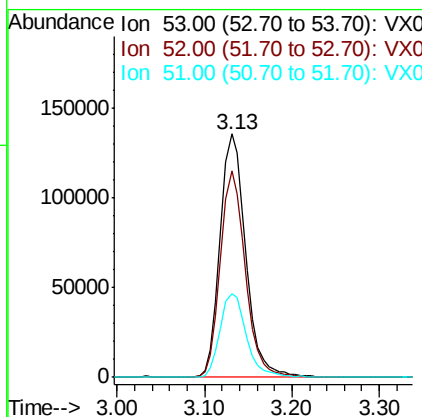
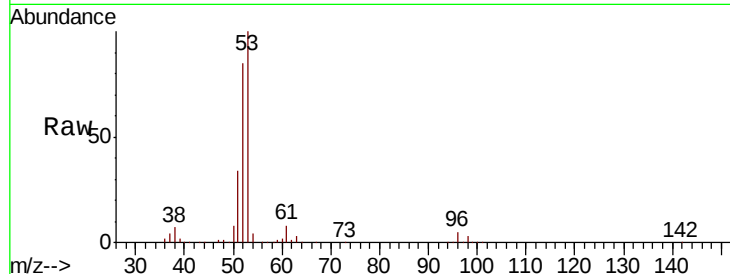
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	276561
Ion Ratio	Lower	Upper	
53	100		
52	82.8	66.2	99.2
51	35.7	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 220.929 ug/l

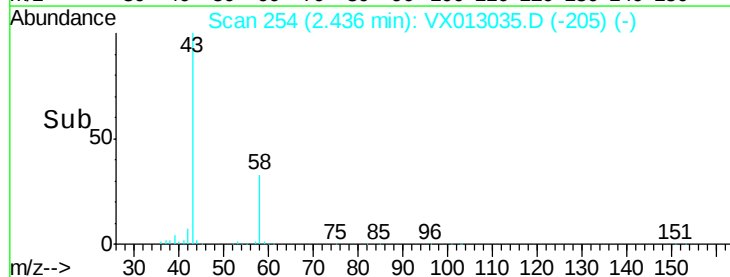
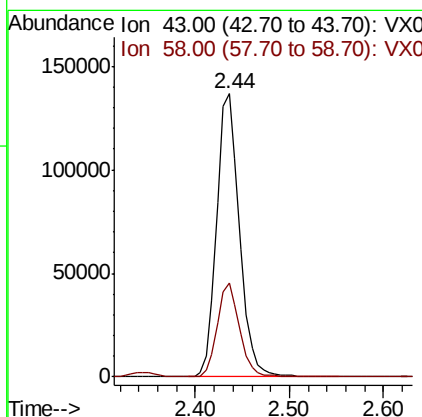
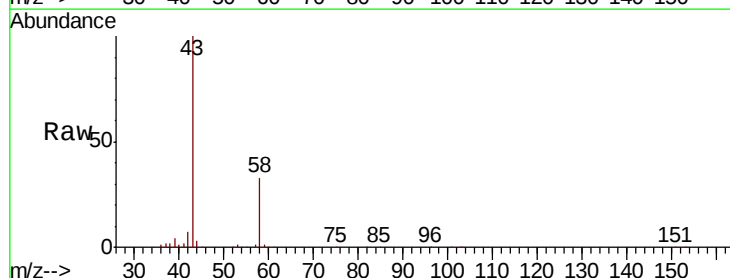
RT: 2.44 min Scan# 254

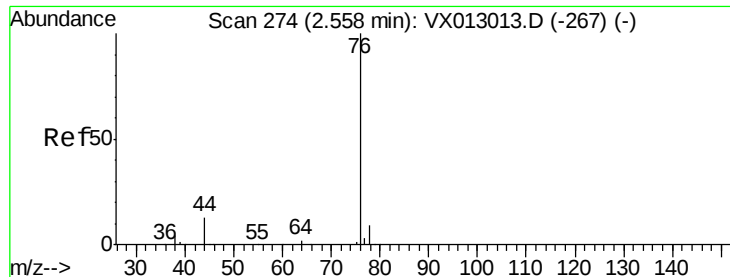
Delta R.T. 0.00 min

Lab File: VX013035.D

Acq: 11 Oct 2019 22:33

Tgt Ion:	43	Resp:	228686
Ion Ratio	Lower	Upper	
43	100		
58	33.1	25.4	38.2





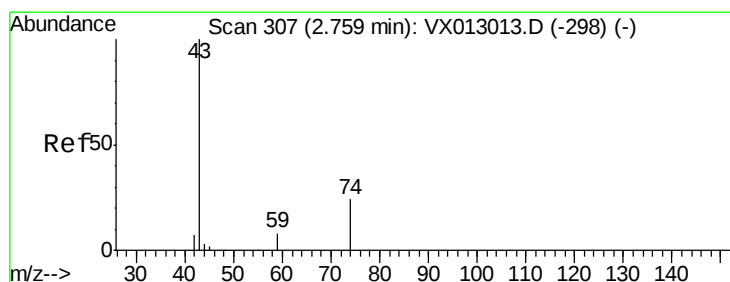
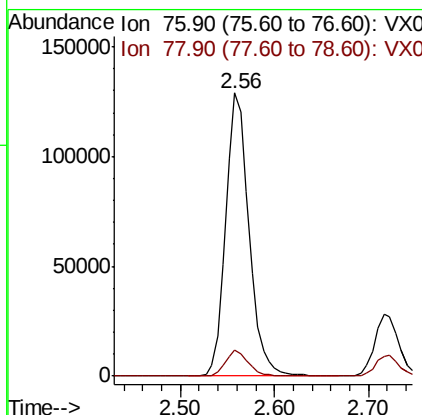
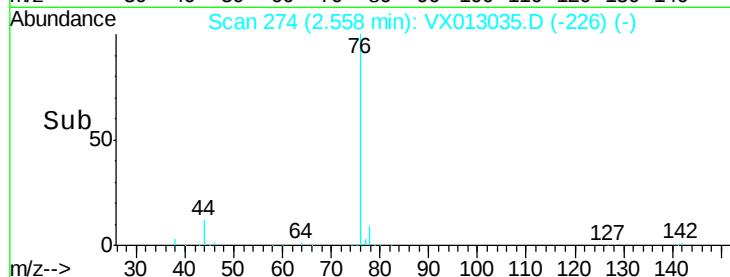
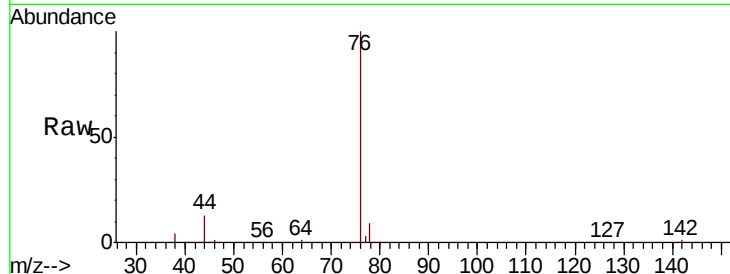
#17
Carbon Disulfide
Concen: 48.908 ug/l
RT: 2.56 min Scan# 274
Delta R.T. -0.01 min
Lab File: VX013035.D
Acq: 11 Oct 2019 22:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.1	10.7

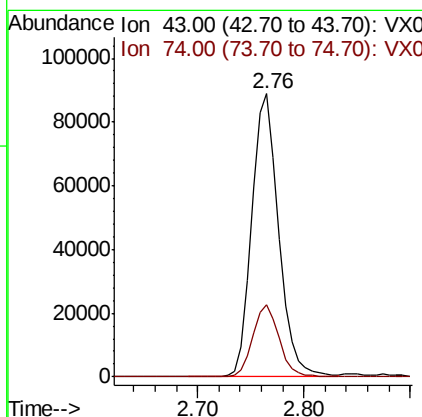
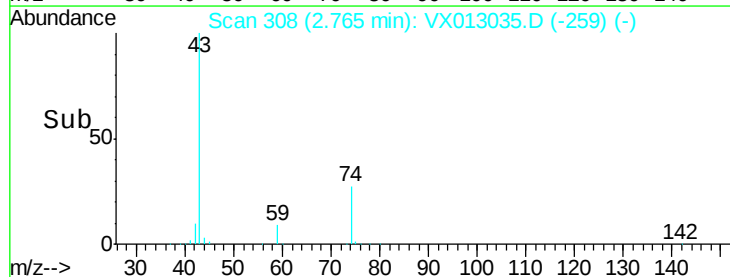
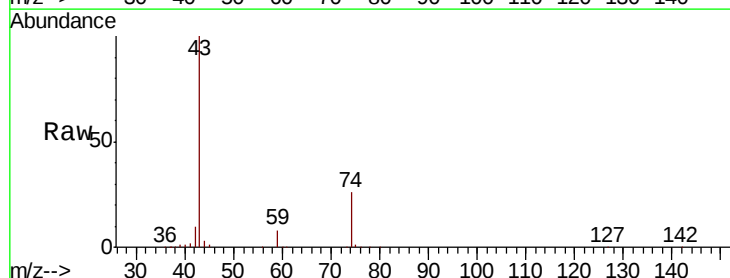
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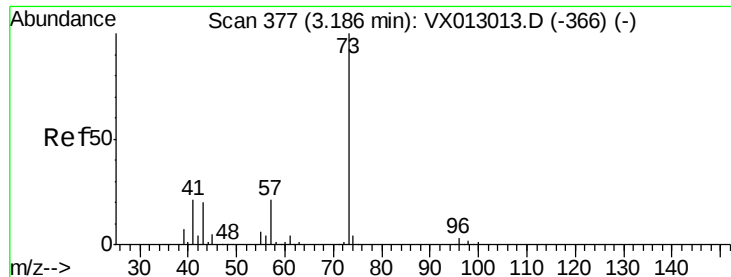
MMDadoda
10/14/2019 10:39:50 AM



#18
Methyl Acetate
Concen: 64.583 ug/l
RT: 2.76 min Scan# 308
Delta R.T. 0.00 min
Lab File: VX013035.D
Acq: 11 Oct 2019 22:33

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.9	19.2	28.8





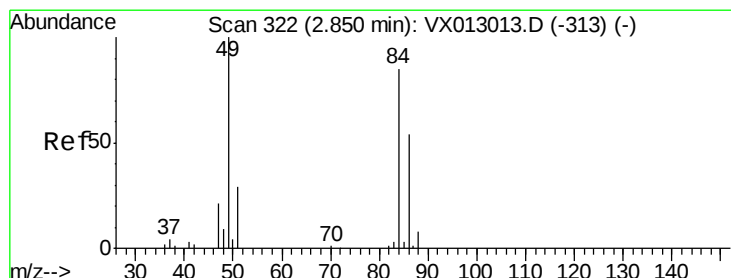
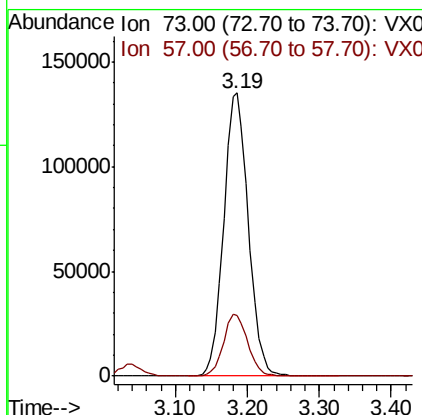
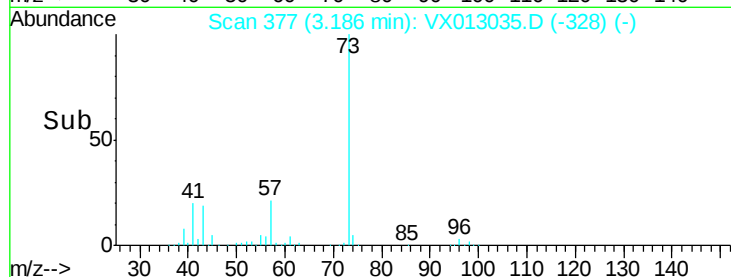
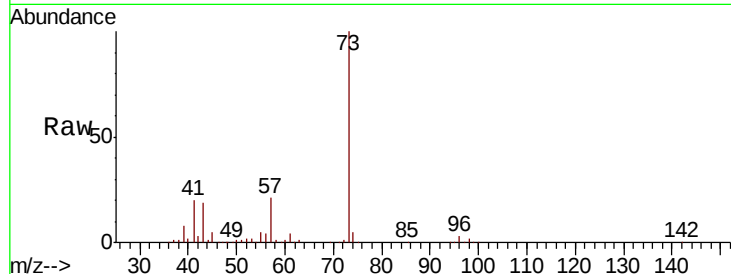
#19
Methyl tert-butyl Ether
Concen: 58.476 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.00 min
Lab File: VX013035.D
Acq: 11 Oct 2019 22:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.3	17.8	26.6

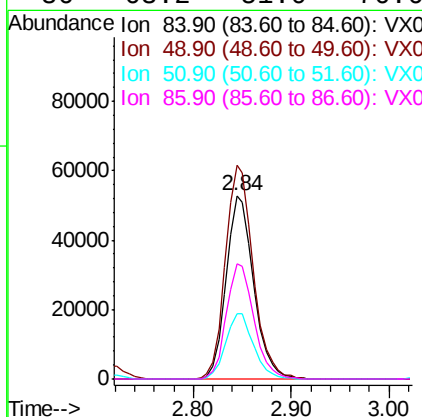
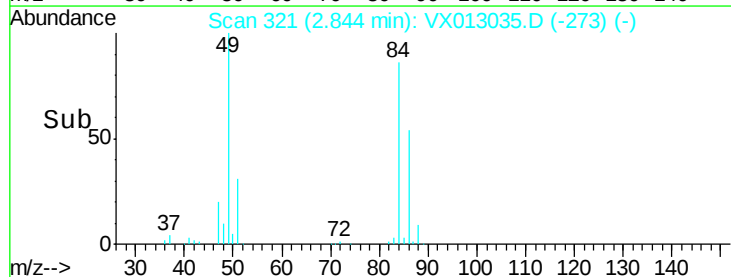
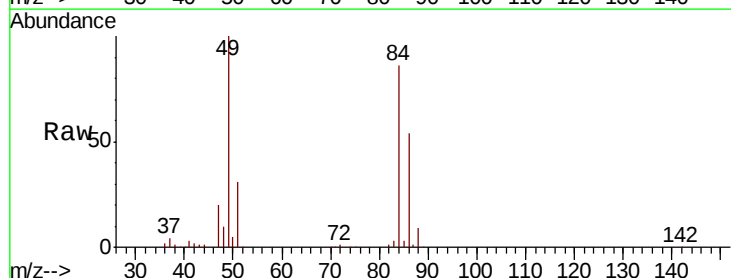
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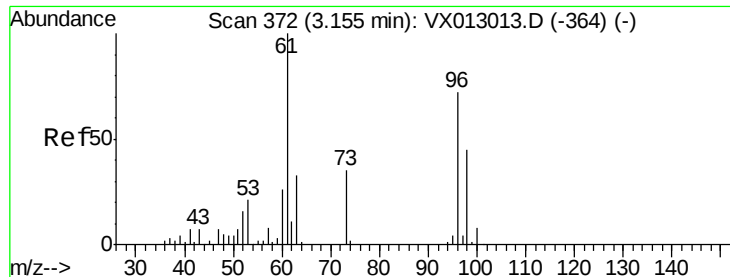
MMDadoda
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#20
Methylene Chloride
Concen: 54.016 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX013035.D
Acq: 11 Oct 2019 22:33

Tgt Ion	Ratio	Lower	Upper
84	100		
49	116.6	96.6	144.8
51	35.6	30.7	46.1
86	63.2	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 54.924 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX013035.D

Acq: 11 Oct 2019 22:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 93470

Ion Ratio Lower Upper

96 100

61 146.4 110.4 165.6

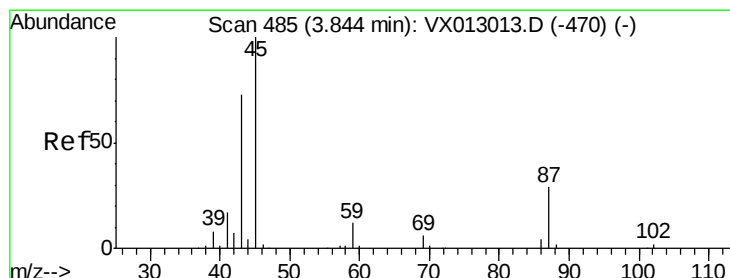
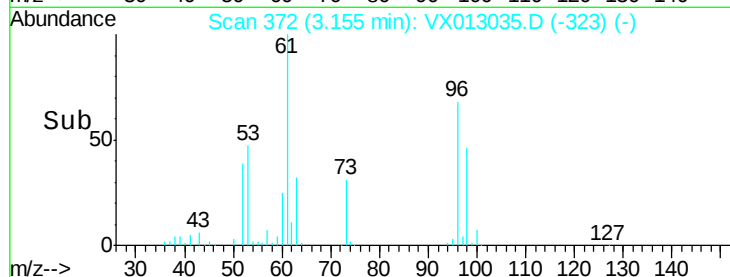
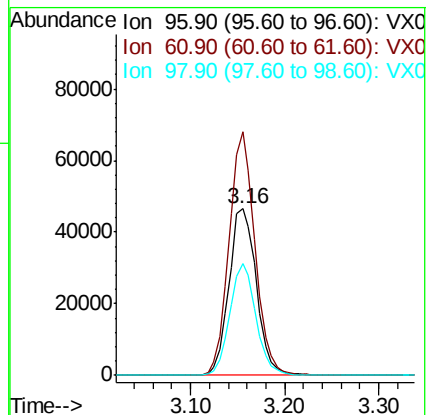
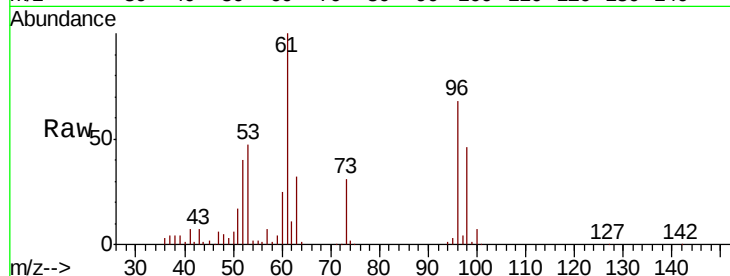
98 67.0 51.5 77.3

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#22

Diisopropyl ether

Concen: 57.023 ug/l

RT: 3.84 min Scan# 485

Delta R.T. -0.01 min

Lab File: VX013035.D

Acq: 11 Oct 2019 22:33

Tgt Ion: 45 Resp: 308962

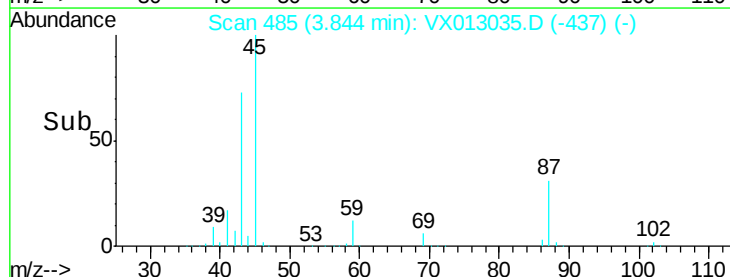
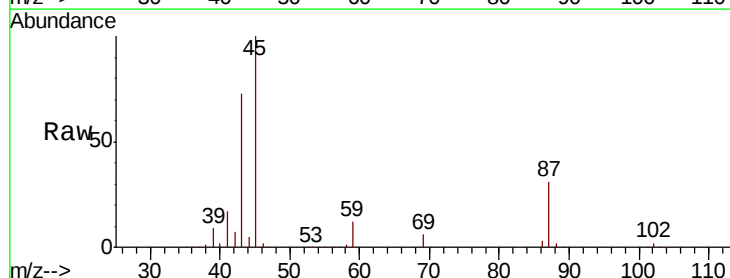
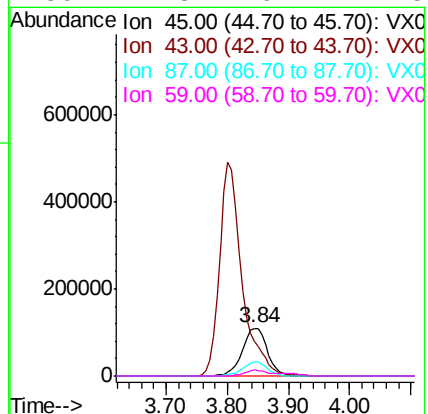
Ion Ratio Lower Upper

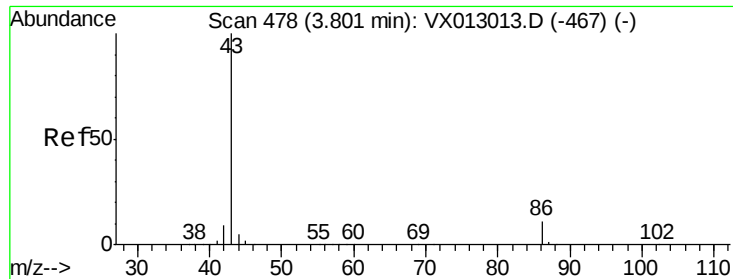
45 100

43 72.7 51.4 77.0

87 30.8 22.5 33.7

59 12.3 9.7 14.5





#23

Vinyl Acetate

Concen: 270.556 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.01 min

Lab File: VX013035.D

Acq: 11 Oct 2019 22:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1265491

Ion Ratio Lower Upper

43 100

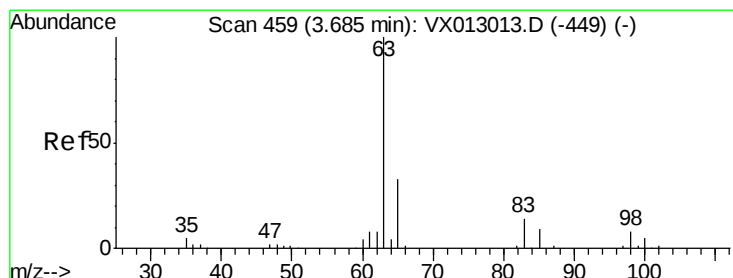
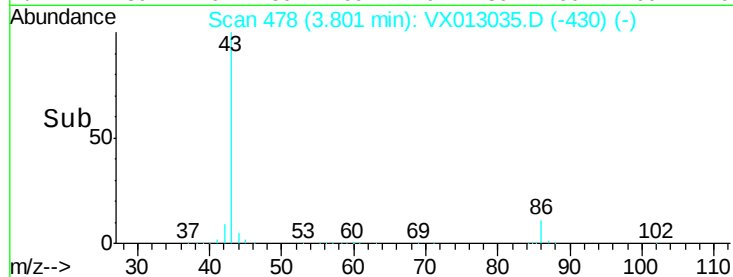
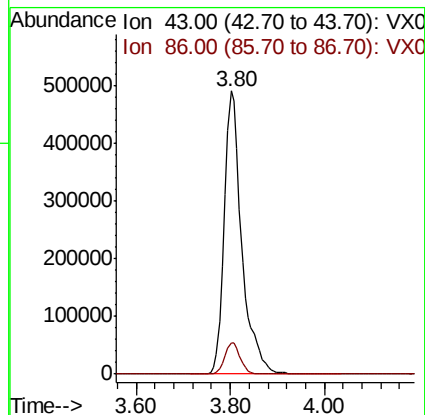
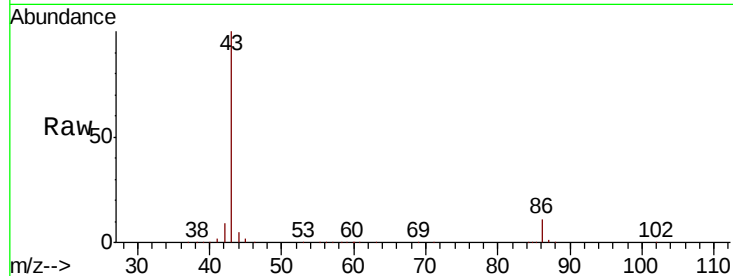
86 11.0 9.0 13.6

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#24

1,1-Dichloroethane

Concen: 56.997 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX013035.D

Acq: 11 Oct 2019 22:33

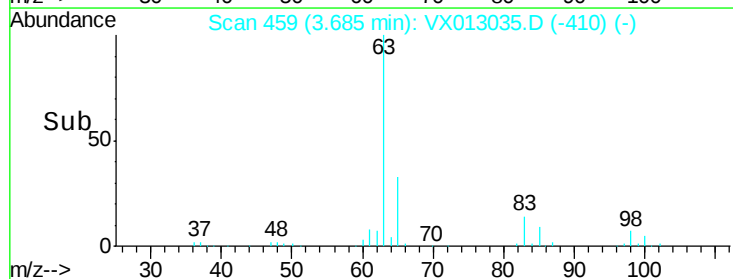
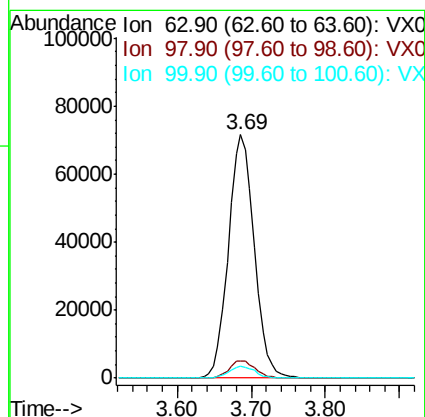
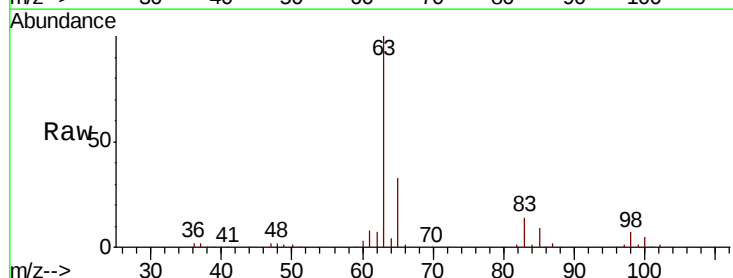
Tgt Ion: 63 Resp: 173735

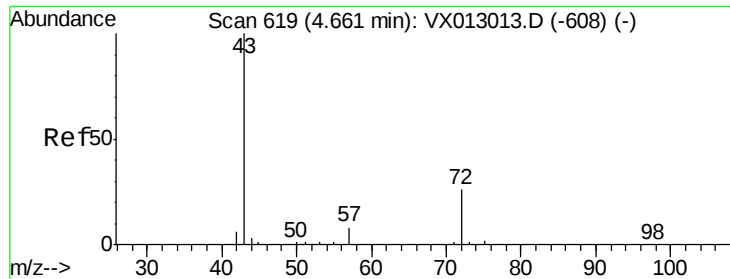
Ion Ratio Lower Upper

63 100

98 7.2 3.9 11.5

100 5.1 2.3 6.9





#25

2-Butanone

Concen: 260.555 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.00 min

Lab File: VX013035.D

Acq: 11 Oct 2019 22:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 374177

Ion Ratio Lower Upper

43 100

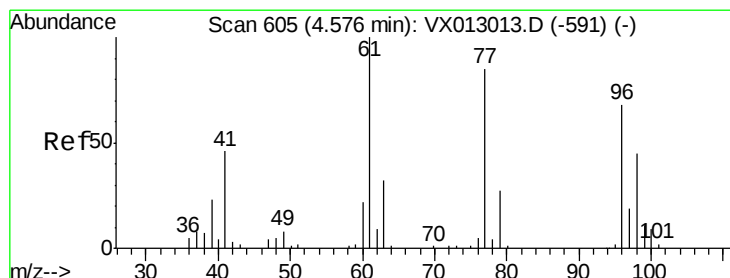
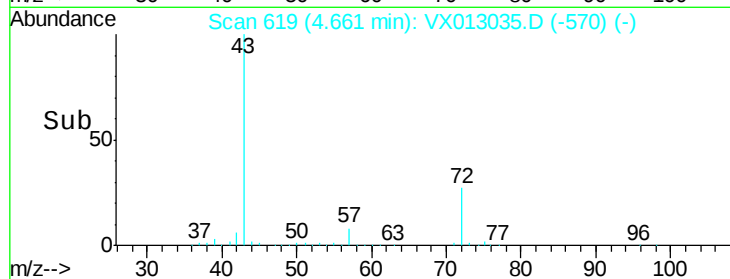
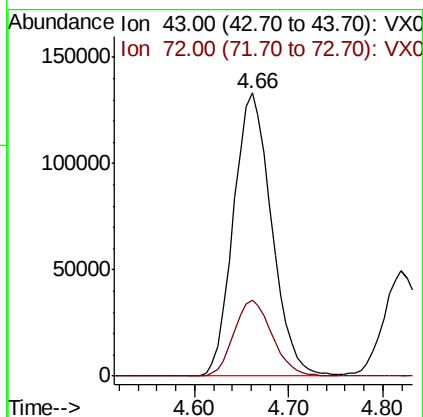
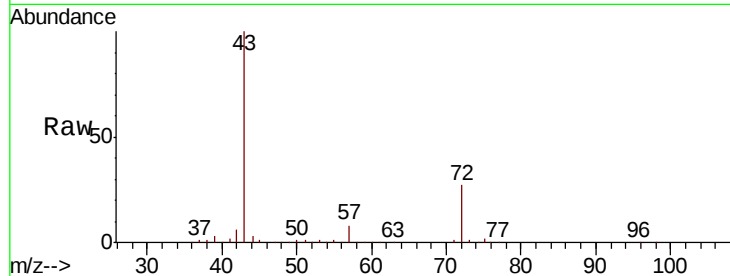
72 26.9 21.0 31.6

Manual Integrations

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MMDadoda

10/14/2019 10:39:50 AM



#26

2,2-Dichloropropane

Concen: 48.524 ug/l

RT: 4.58 min Scan# 605

Delta R.T. 0.00 min

Lab File: VX013035.D

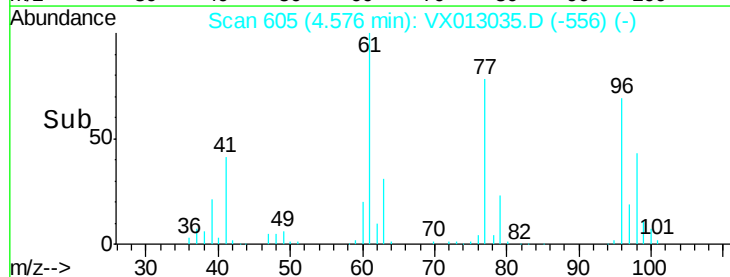
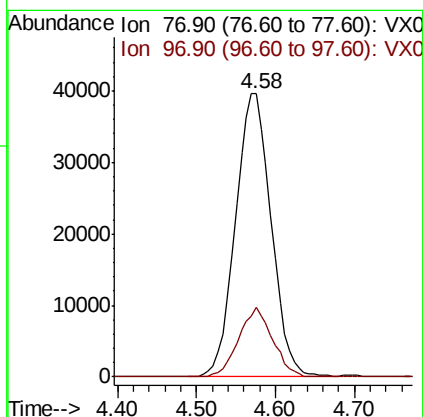
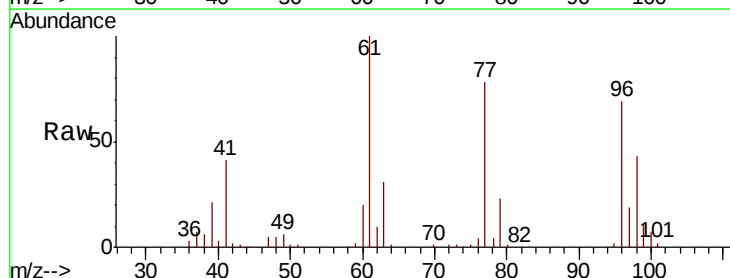
Acq: 11 Oct 2019 22:33

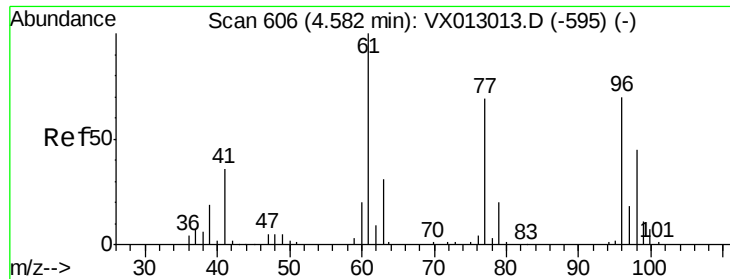
Tgt Ion: 77 Resp: 124377

Ion Ratio Lower Upper

77 100

97 23.4 11.3 33.9





#27

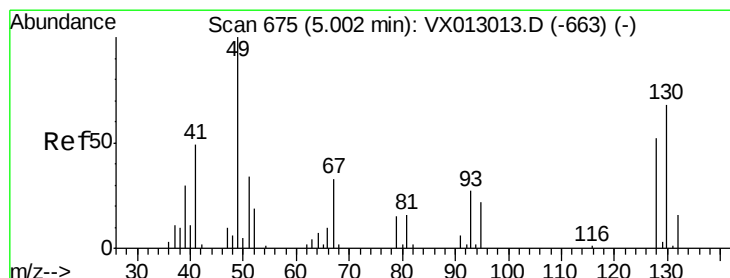
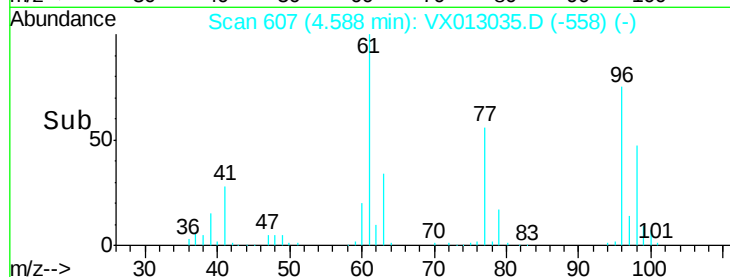
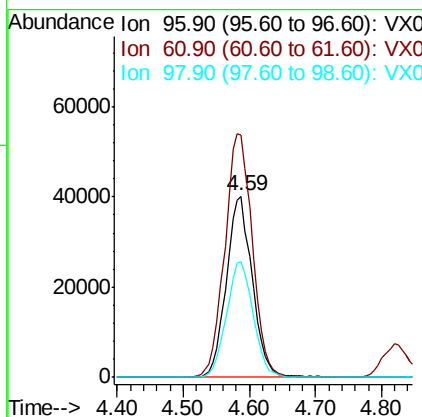
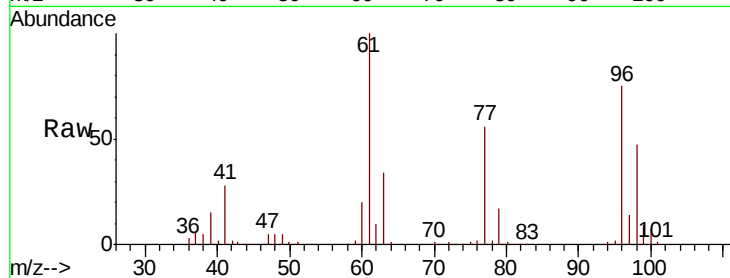
cis-1,2-Dichloroethene
Concen: 55.271 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX013035.D
Acq: 11 Oct 2019 22:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	108421		
61	143.5		0.0	290.6
98	65.9		0.0	128.8

Manual Integrations
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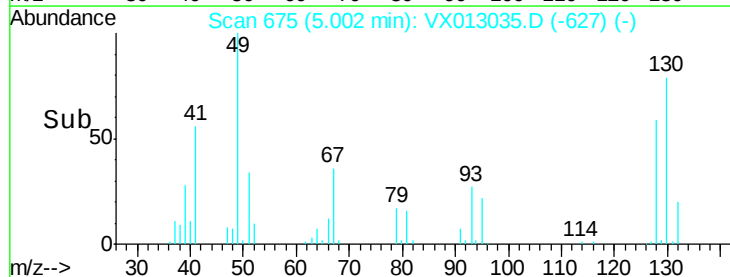
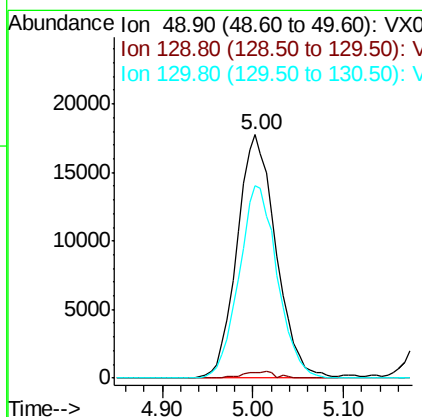
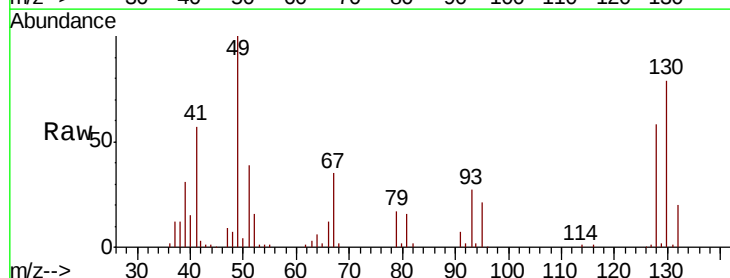
MMDadoda
10/14/2019 10:39:50 AM

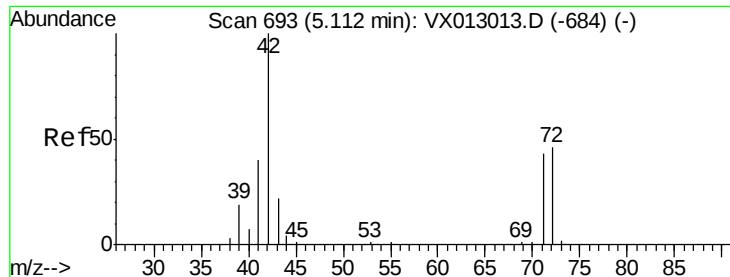


#28

Bromochloromethane
Concen: 57.997 ug/l
RT: 5.00 min Scan# 675
Delta R.T. -0.01 min
Lab File: VX013035.D
Acq: 11 Oct 2019 22:33

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	52767		
129	2.2		0.0	4.2
130	77.7		62.1	93.1





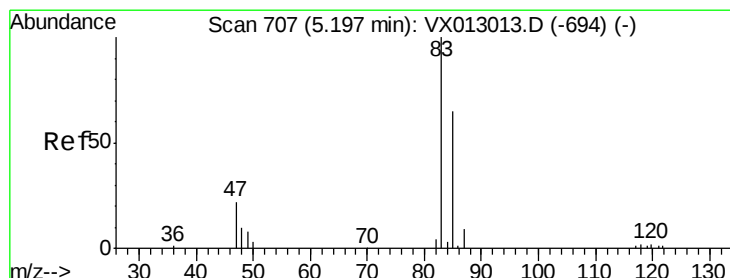
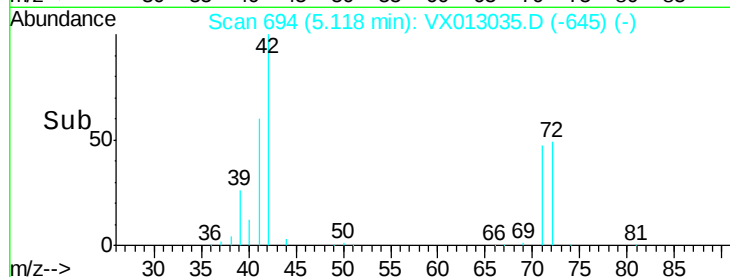
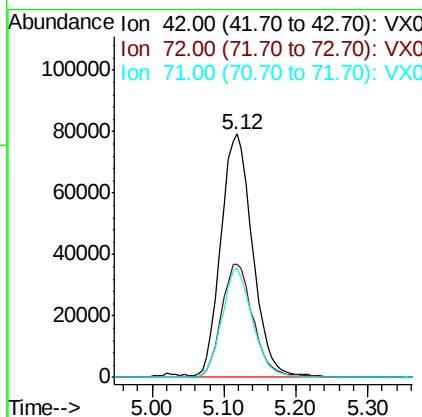
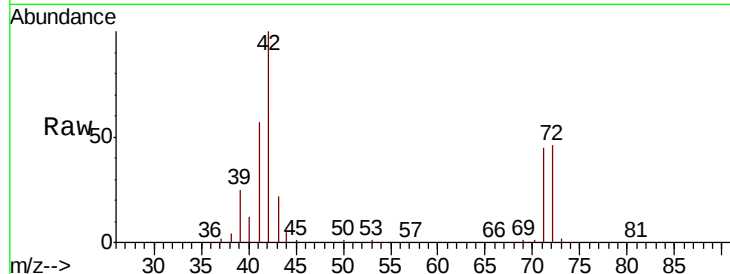
#29
Tetrahydrofuran
Concen: 274.207 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.00 min
Lab File: VX013035.D
Acq: 11 Oct 2019 22:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.7	36.9	55.3
71	43.1	33.5	50.3

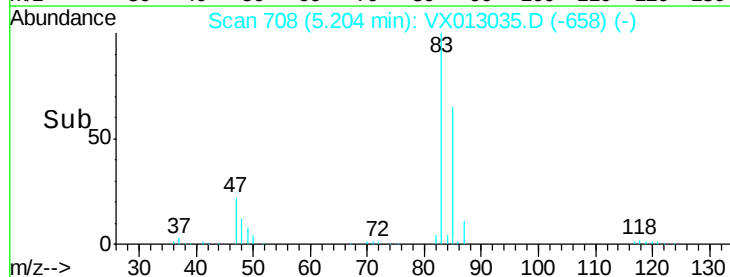
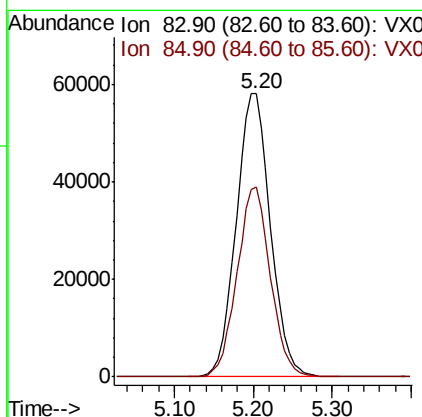
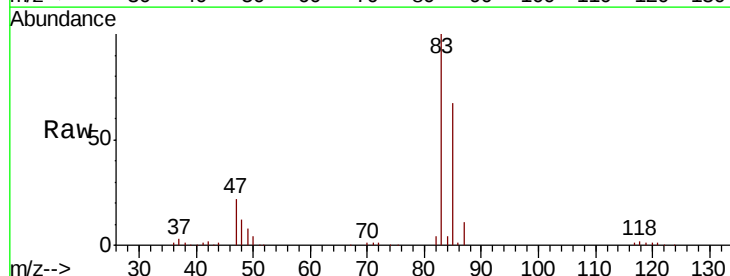
Manual Integrations
APPROVED

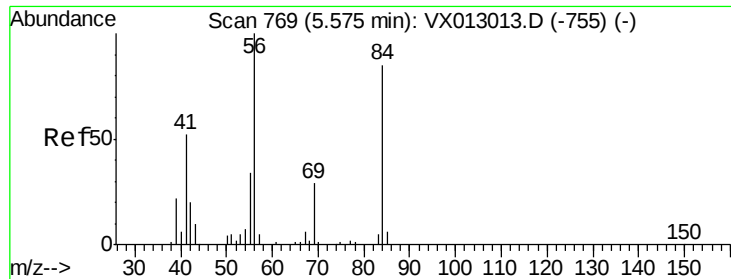
MMDadoda
10/14/2019 10:39:50 AM



#30
Chloroform
Concen: 56.050 ug/l
RT: 5.20 min Scan# 708
Delta R.T. 0.01 min
Lab File: VX013035.D
Acq: 11 Oct 2019 22:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.0	51.5	77.3





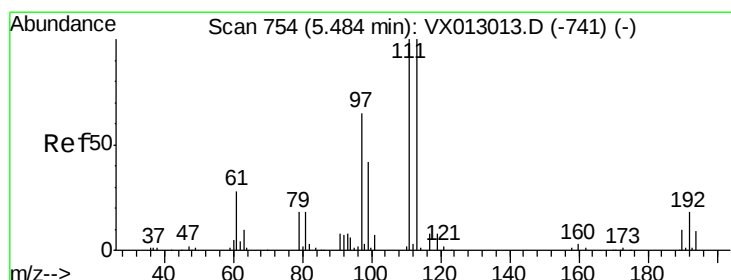
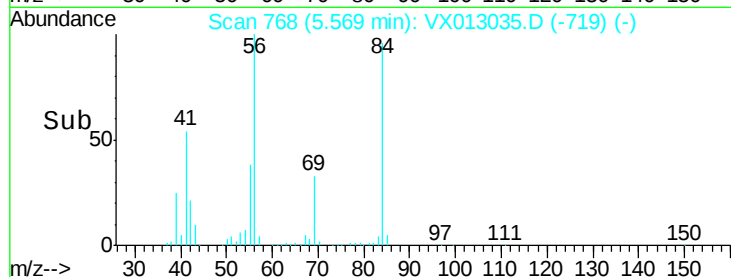
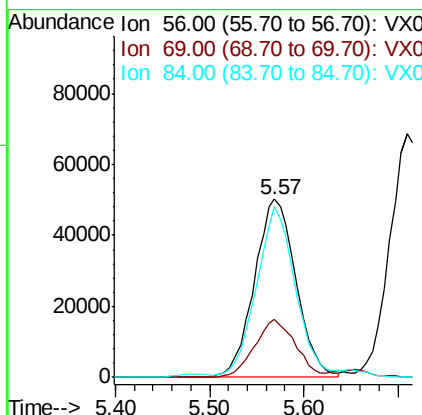
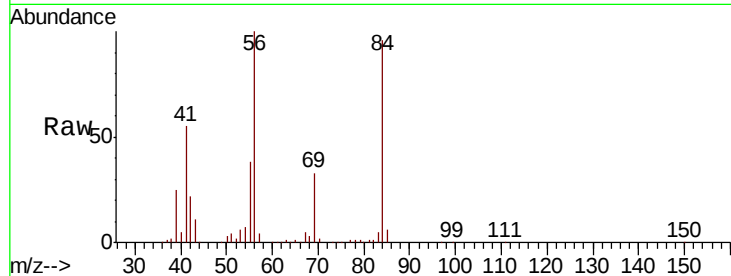
#31
Cyclohexane
Concen: 54.327 ug/l
RT: 5.57 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX013035.D
Acq: 11 Oct 2019 22:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.6	25.2	37.8
84	94.0	71.3	106.9

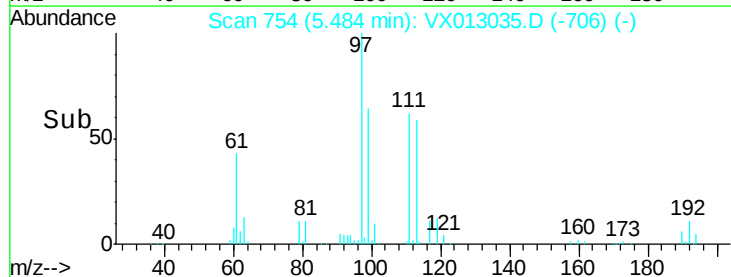
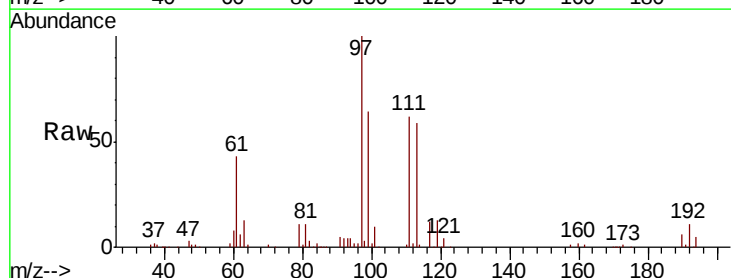
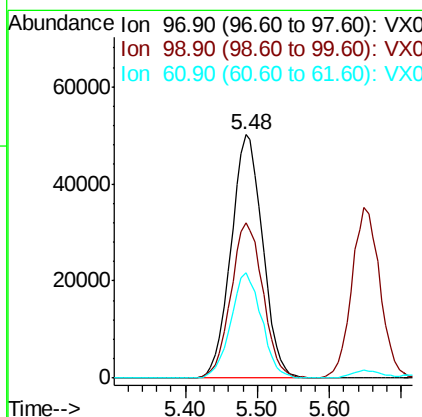
Manual Integrations
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#32
1,1,1-Trichloroethane
Concen: 57.622 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.01 min
Lab File: VX013035.D
Acq: 11 Oct 2019 22:33

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	52.3	78.5
61	42.6	35.0	52.4





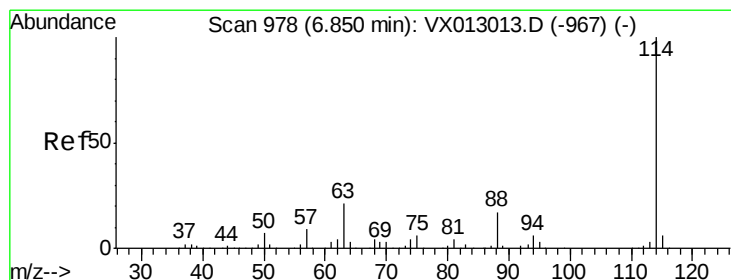
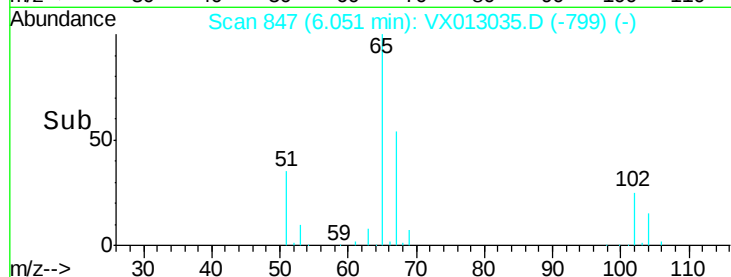
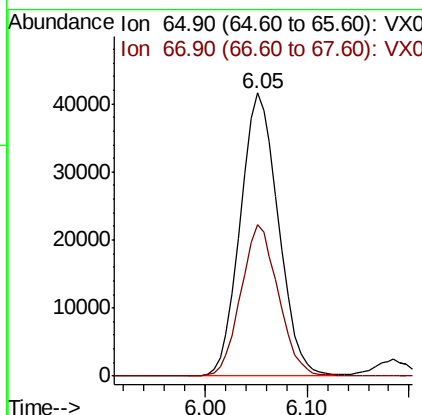
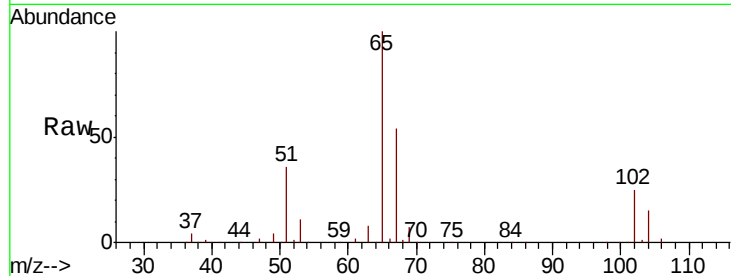
#33
 1,2-Dichloroethane-d4
 Concen: 55.003 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.01 min
 Lab File: VX013035.D
 Acq: 11 Oct 2019 22:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	108015		
67	52.3	0.0	104.4	

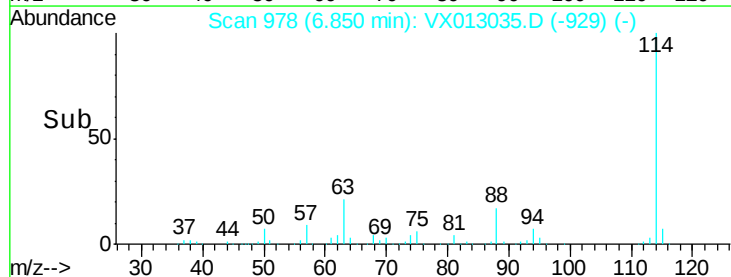
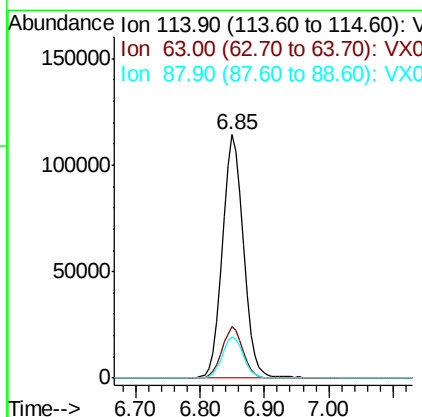
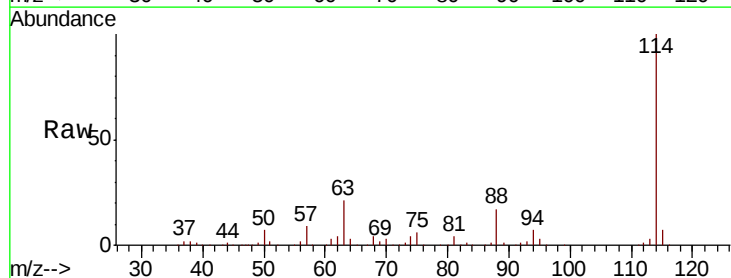
Manual Integrations
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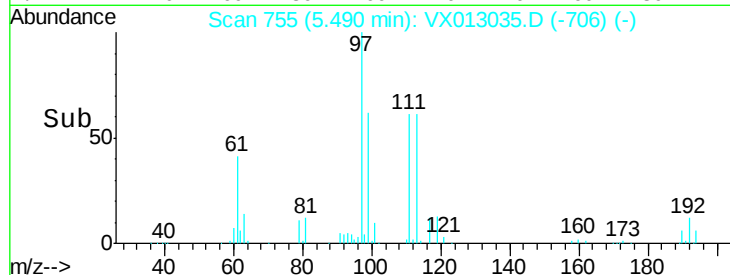
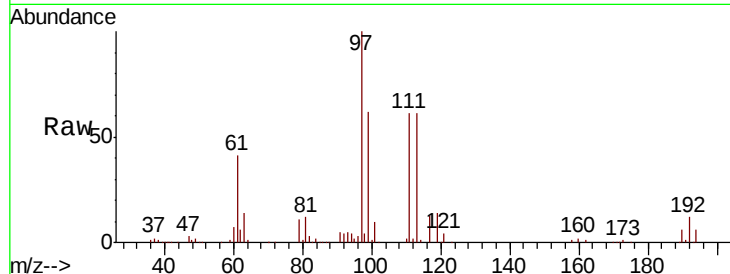
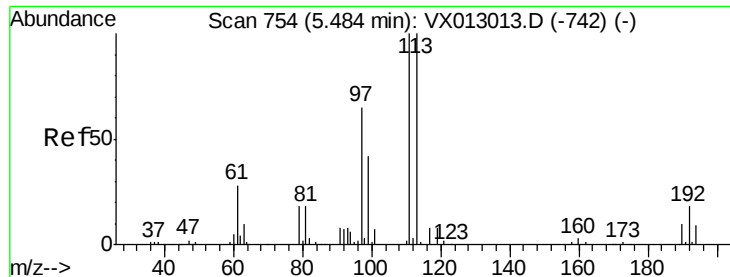
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX013035.D
 Acq: 11 Oct 2019 22:33

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	265692		
63	21.3	0.0	40.8	
88	17.0	0.0	33.8	





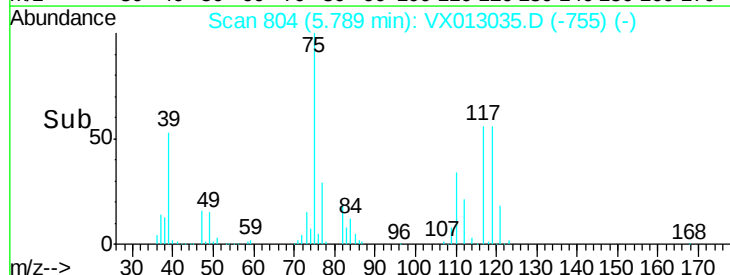
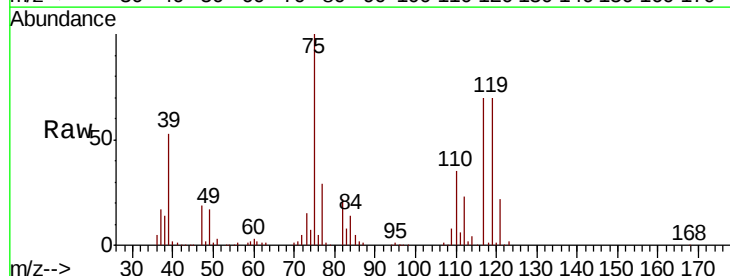
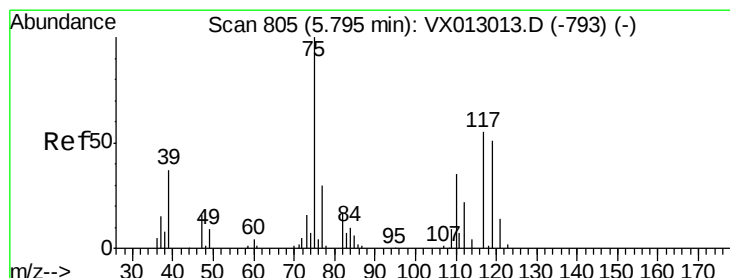
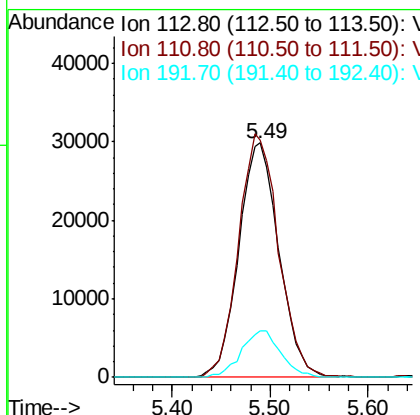
#35
Dibromofluoromethane
Concen: 55.746 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.00 min
Lab File: VX013035.D
Acq: 11 Oct 2019 22:33

Tot Ion	Ratio	Resp	Lower	Upper
113	100	85009		
111	103.7		83.2	124.8
192	19.8		15.4	23.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

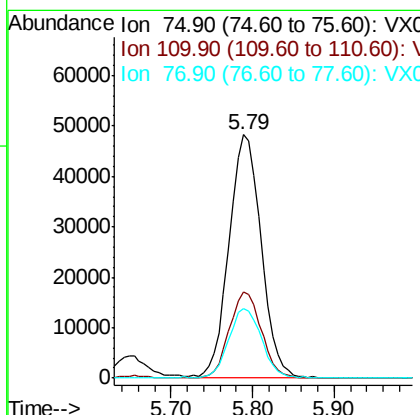
Manual Integrations
APPROVED

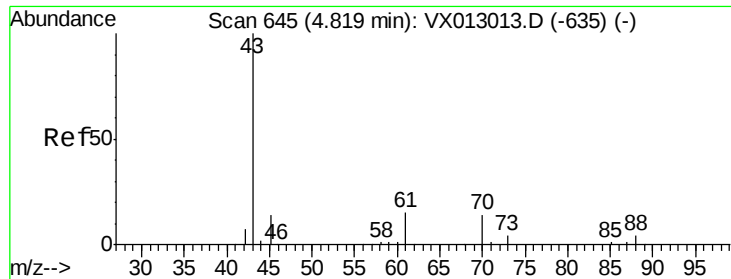
MMDadoda
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#36
1,1-Dichloropropene
Concen: 56.072 ug/l
RT: 5.79 min Scan# 804
Delta R.T. 0.00 min
Lab File: VX013035.D
Acq: 11 Oct 2019 22:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	130983		
110	35.3		17.6	52.9
77	28.9		24.4	36.6





#37

Ethyl Acetate

Concen: 54.988 ug/l

RT: 4.82 min Scan# 645

Delta R.T. 0.00 min

Lab File: VX013035.D

Acq: 11 Oct 2019 22:33

Instrument :

MSVOA_X

ClientSampleId :

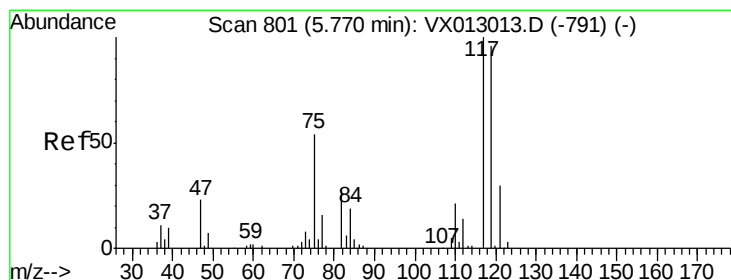
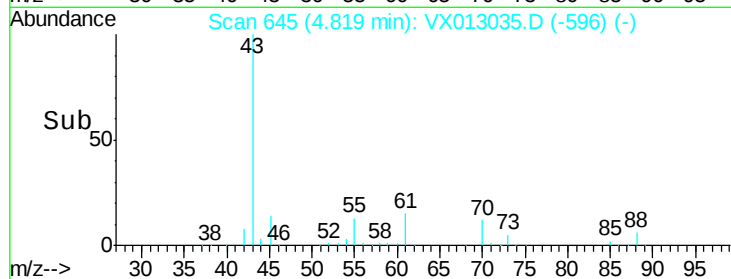
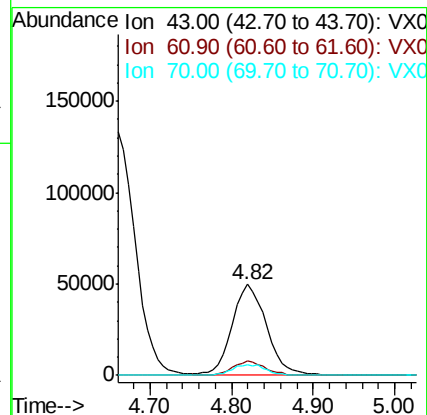
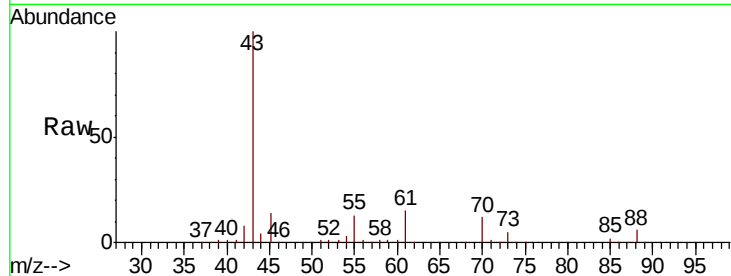
VSTDCCC050EC

Tot Ion: 43 Resp: 143632

Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.4	17.0
70	11.9	9.8	14.6

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 56.376 ug/l

RT: 5.78 min Scan# 802

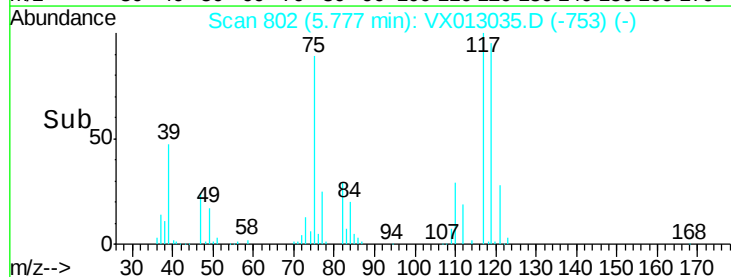
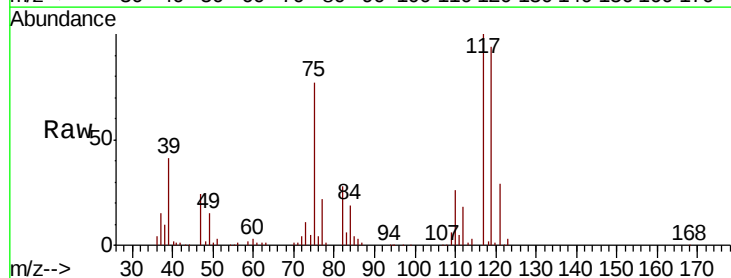
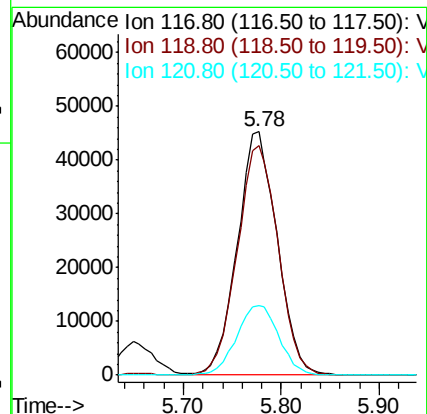
Delta R.T. 0.00 min

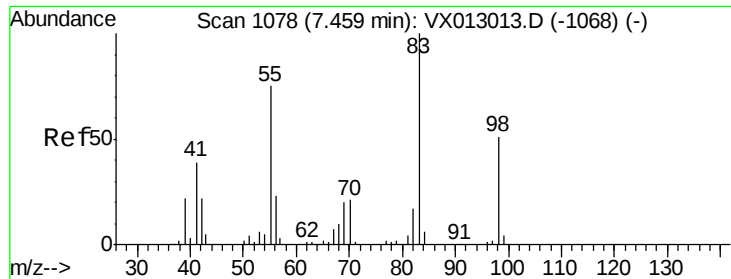
Lab File: VX013035.D

Acq: 11 Oct 2019 22:33

Tgt Ion: 117 Resp: 128183

Ion	Ratio	Lower	Upper
117	100		
119	94.3	74.5	111.7
121	28.5	24.2	36.4





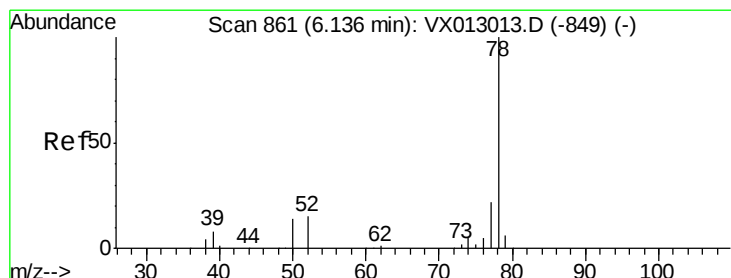
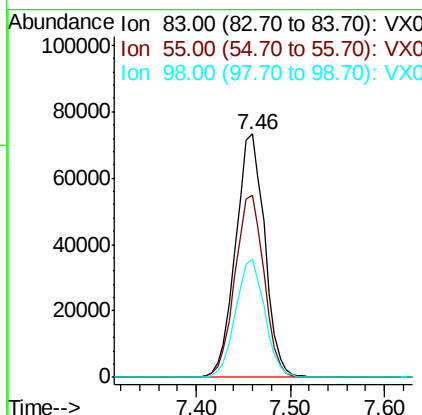
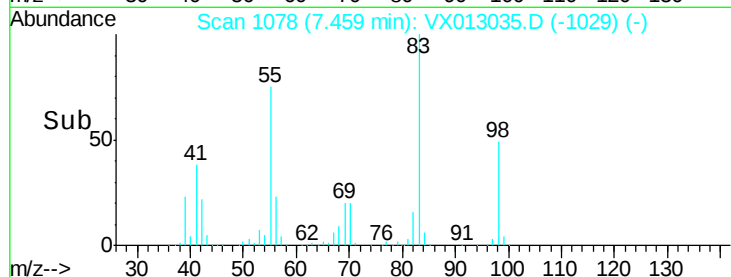
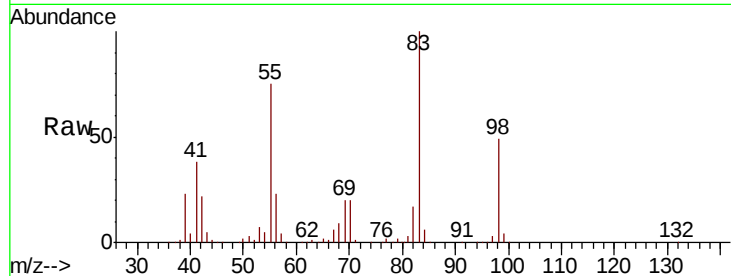
#39
Methvlcvclohexane
Concen: 55.736 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VX013035.D
Acq: 11 Oct 2019 22:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.1	60.2	90.4
98	48.5	38.5	57.7

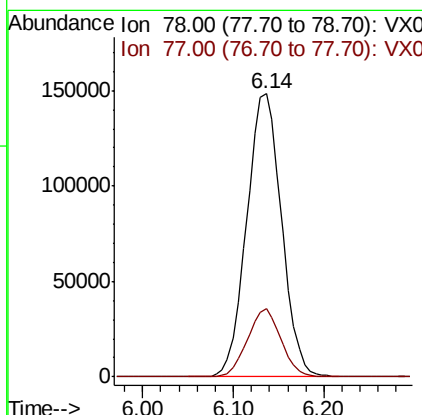
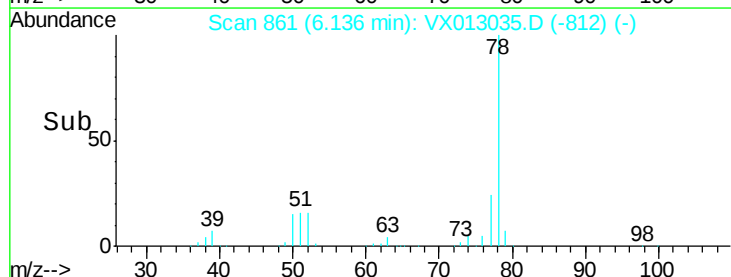
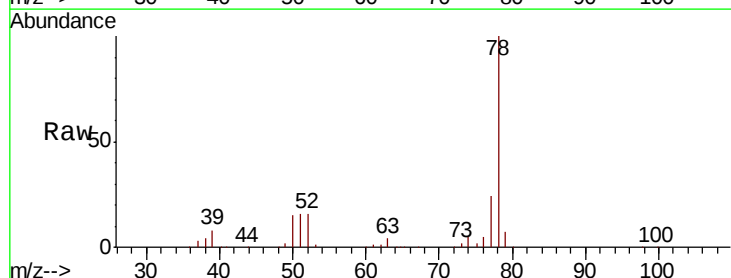
Manual Integrations
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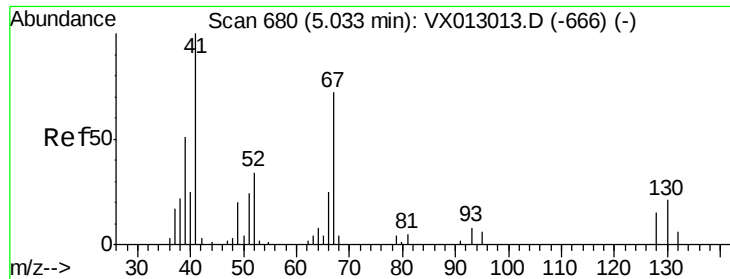
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#40
Benzene
Concen: 57.213 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.00 min
Lab File: VX013035.D
Acq: 11 Oct 2019 22:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.0	28.4





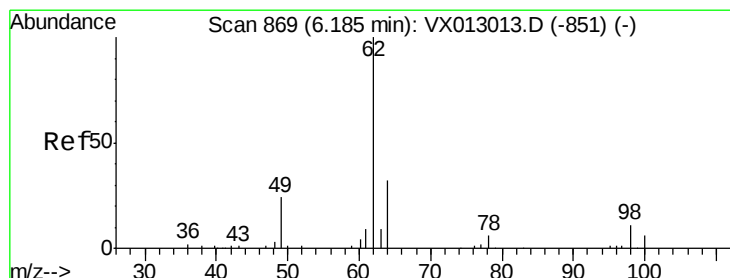
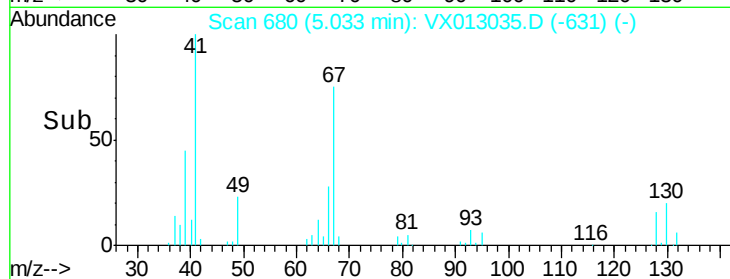
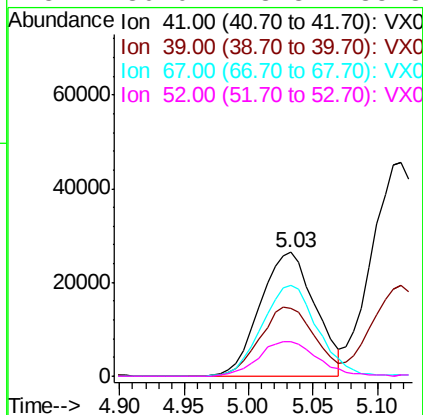
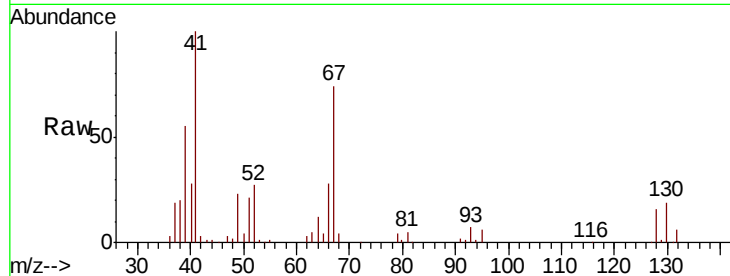
#41
Methacrylonitrile
Concen: 54.989 ug/l
RT: 5.03 min Scan# 680
Delta R.T. 0.00 min
Lab File: VX013035.D
Acq: 11 Oct 2019 22:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.4	44.0	66.0	
67	73.8	58.5	87.7	
52	30.0	23.8	35.8	

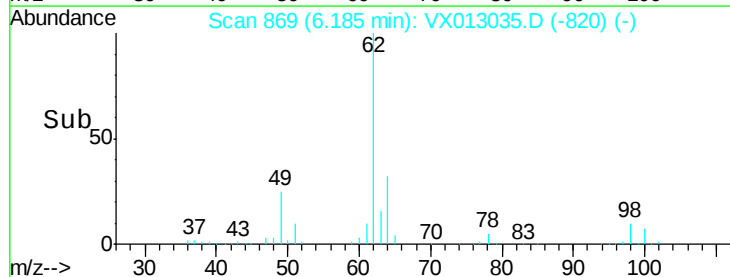
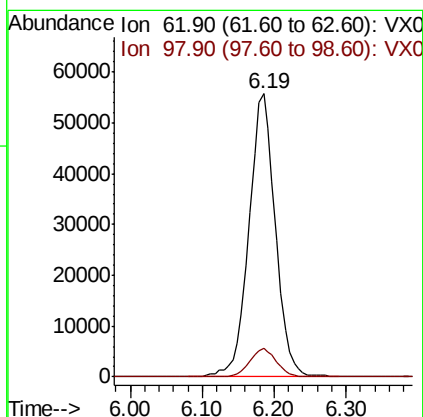
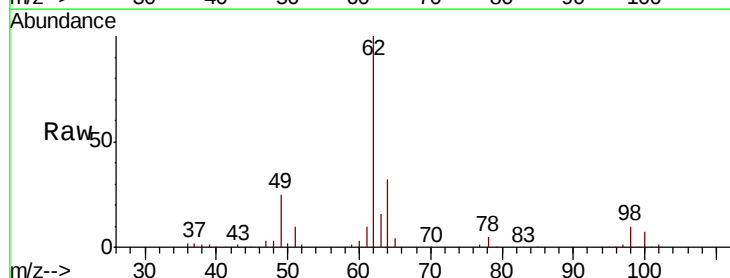
Manual Integrations
APPROVED

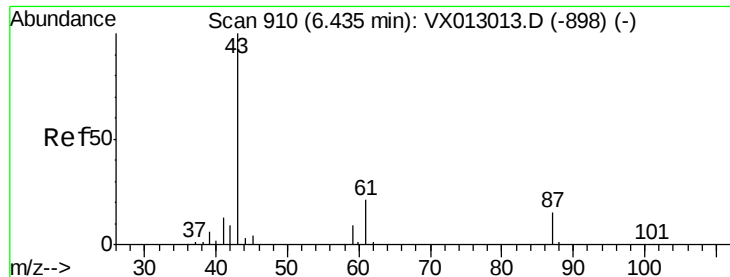
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#42
1,2-Dichloroethane
Concen: 57.351 ug/l
RT: 6.19 min Scan# 869
Delta R.T. 0.00 min
Lab File: VX013035.D
Acq: 11 Oct 2019 22:33

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.1	0.0	20.4	





#43

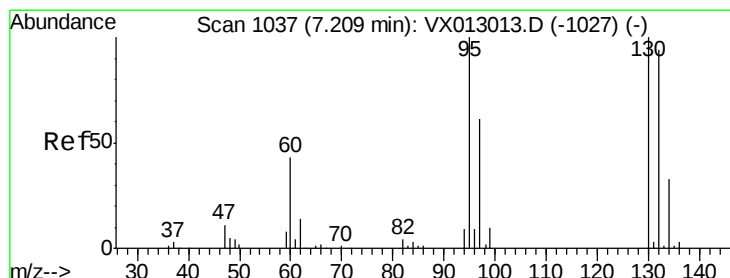
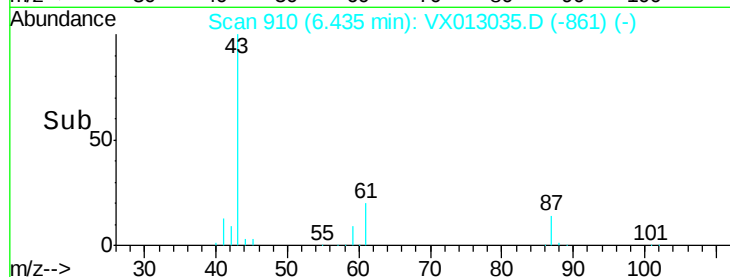
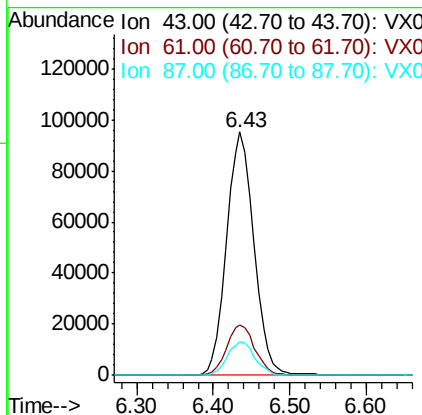
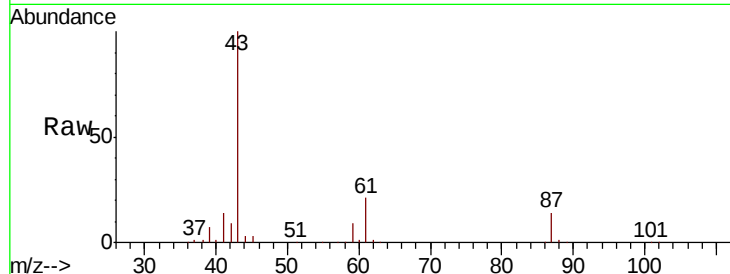
Isopropyl Acetate
 Concen: 55.960 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: VX013035.D
 Acq: 11 Oct 2019 22:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	43	61	87
Resp	234608		
Ratio	100	21.6	14.0
Lower		16.6	11.0
Upper		24.8	16.6

Manual Integrations
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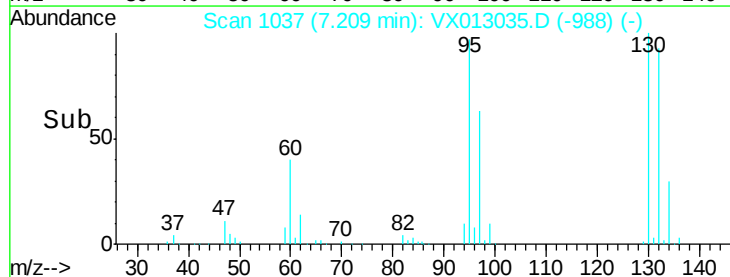
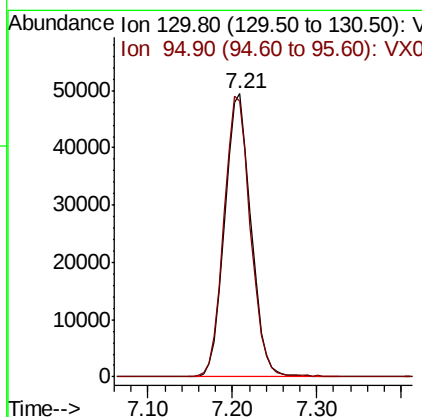
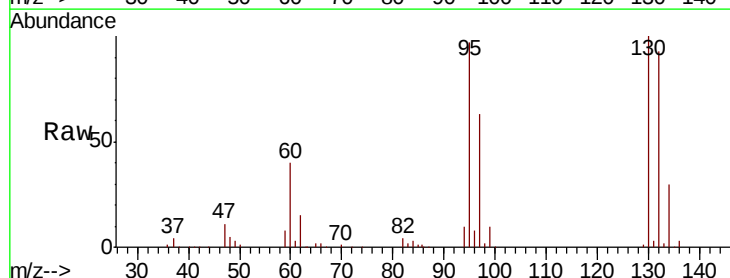
MMDadoda
 10/14/2019 10:39:50 AM

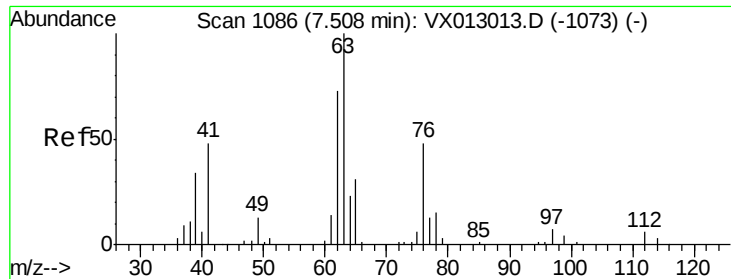


#44

Trichloroethene
 Concen: 55.244 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: VX013035.D
 Acq: 11 Oct 2019 22:33

Tgt Ion	130	95
Resp	105692	
Ratio	100	97.5
Lower		0.0
Upper		189.2





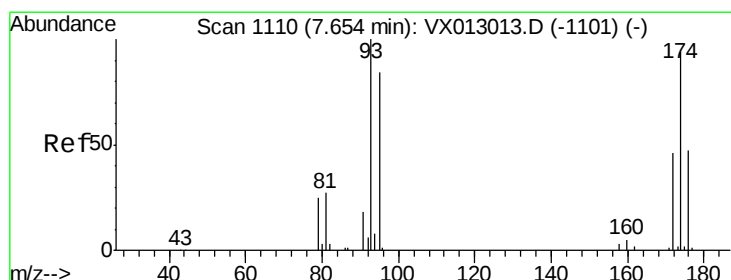
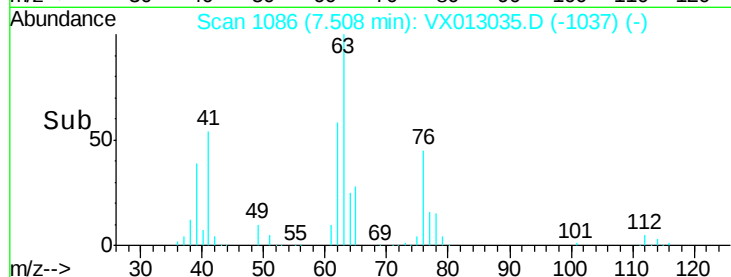
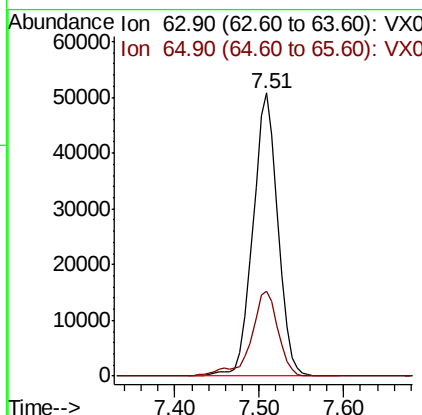
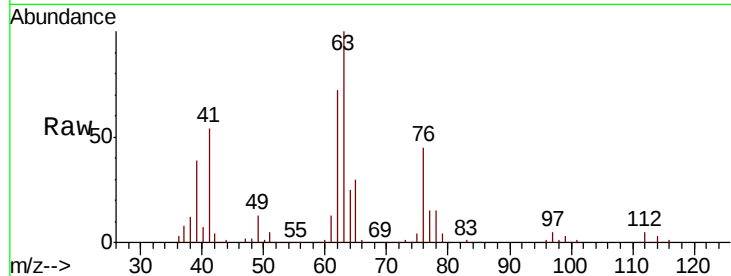
#45
 1,2-Dichloropropane
 Concen: 57.879 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX013035.D
 Acq: 11 Oct 2019 22:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 101775
 Ion Ratio Lower Upper
 63 100
 65 29.8 24.6 37.0

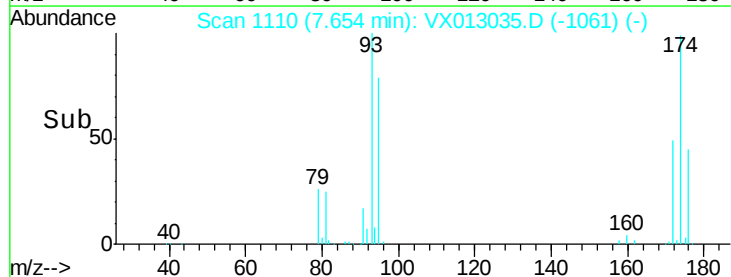
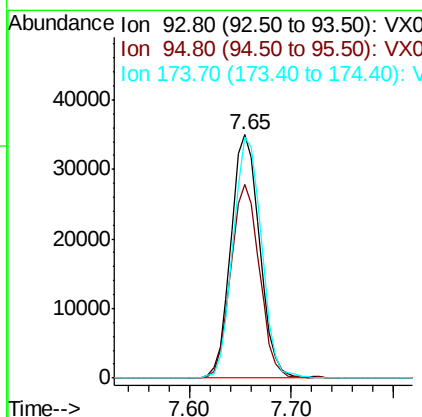
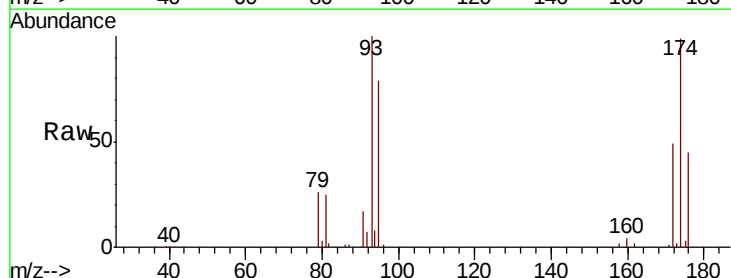
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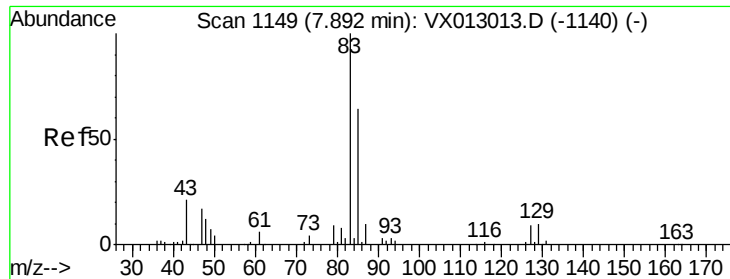
MMDadoda
 10/14/2019 10:39:50 AM



#46
 Dibromomethane
 Concen: 58.078 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX013035.D
 Acq: 11 Oct 2019 22:33

Tgt Ion: 93 Resp: 68042
 Ion Ratio Lower Upper
 93 100
 95 79.2 66.3 99.5
 174 97.8 77.8 116.6





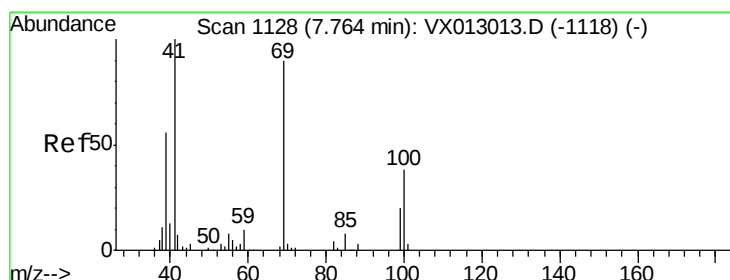
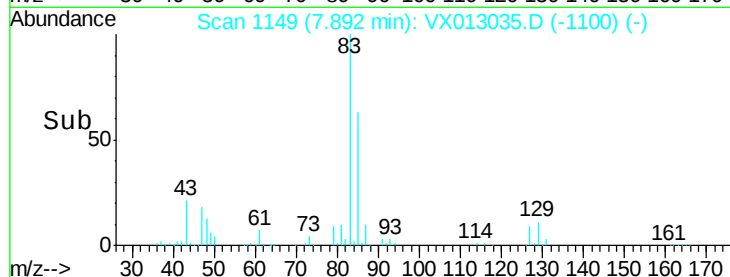
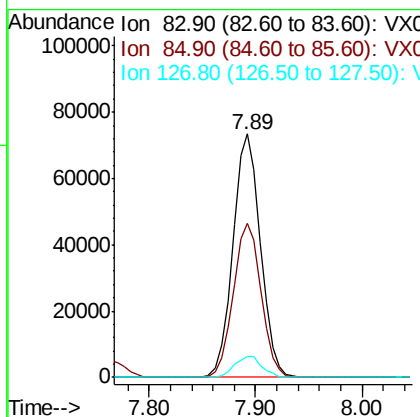
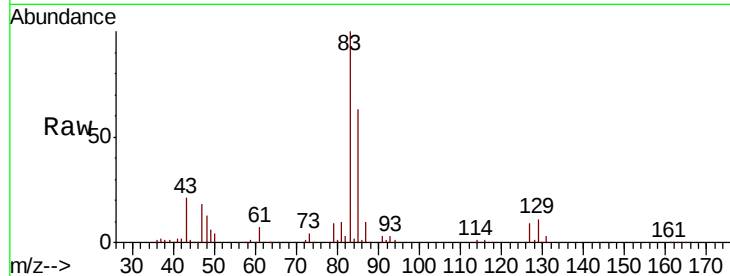
#47
Bromodichloromethane
Concen: 58.075 ug/l
RT: 7.89 min Scan# 1149
Delta R.T. 0.00 min
Lab File: VX013035.D
Acq: 11 Oct 2019 22:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.1	52.4	78.6
127	8.6	6.6	10.0

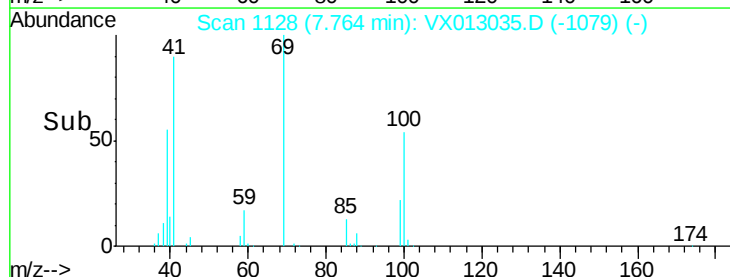
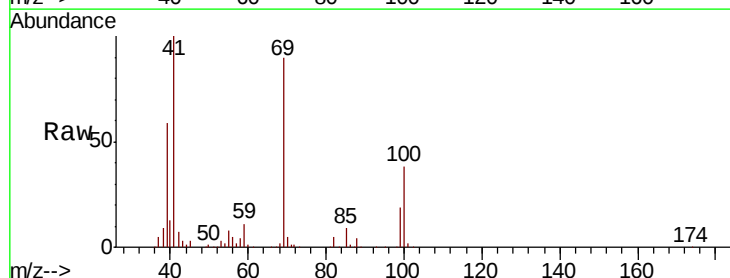
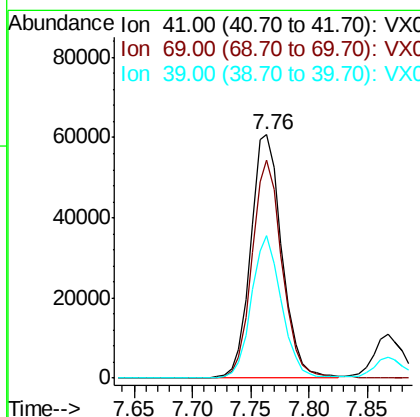
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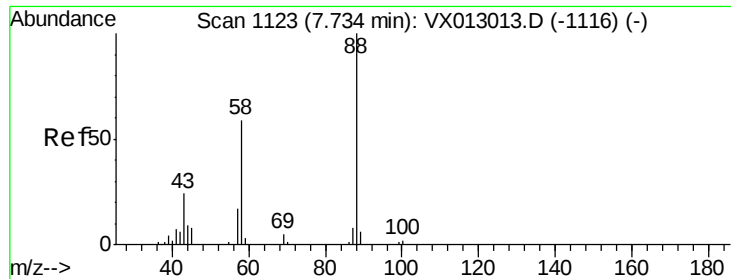
MMDadoda
10/14/2019 10:39:50 AM



#48
Methyl methacrylate
Concen: 55.641 ug/l
RT: 7.76 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX013035.D
Acq: 11 Oct 2019 22:33

Tgt Ion	Ratio	Lower	Upper
41	100		
69	86.6	68.7	103.1
39	56.2	44.3	66.5





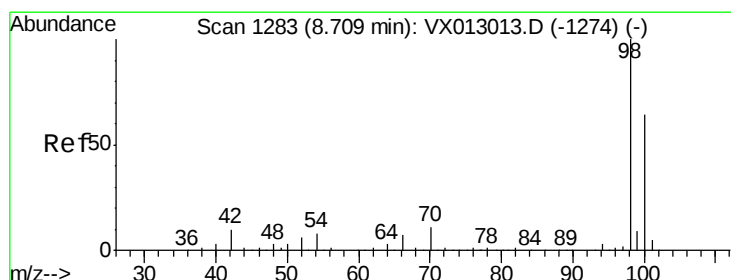
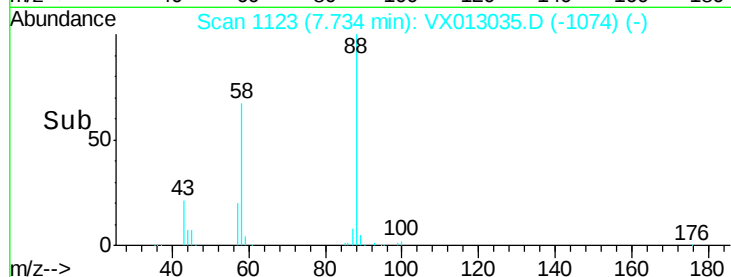
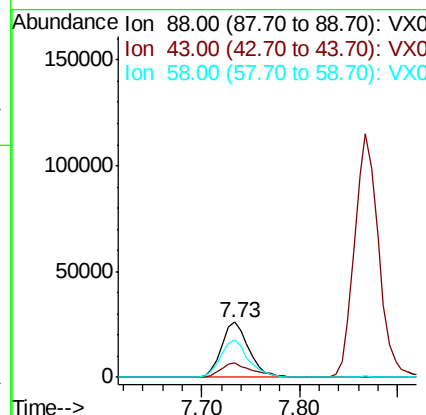
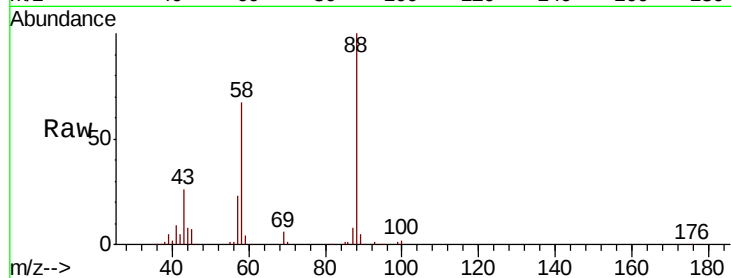
#49
1,4-Dioxane
Concen: 922.510 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX013035.D
Acq: 11 Oct 2019 22:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.9	25.0	37.6
58	69.6	55.4	83.2

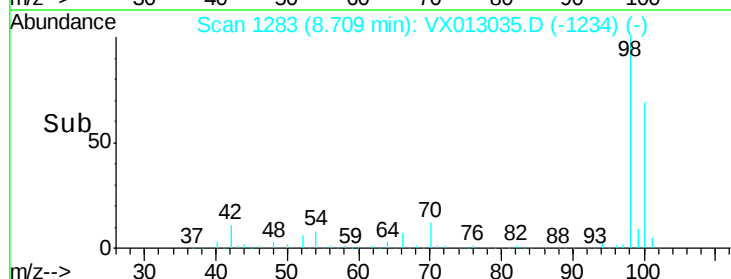
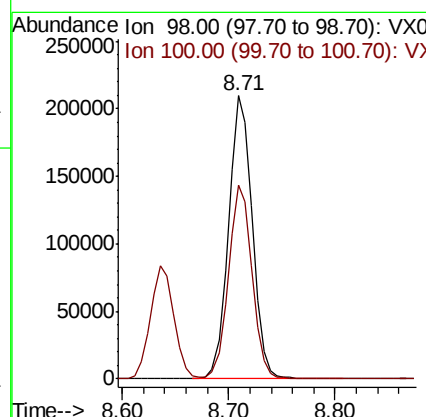
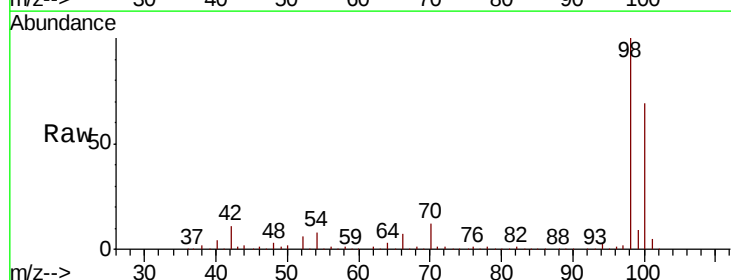
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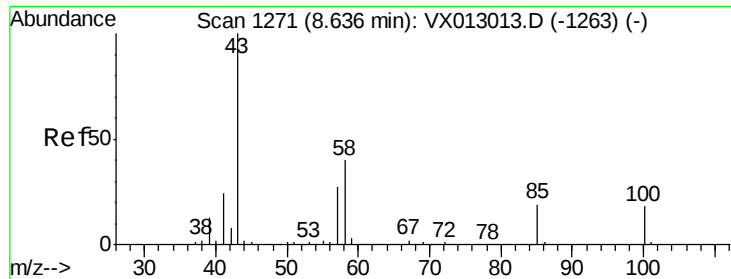
MMDadoda
10/14/2019 10:39:50 AM



#50
Toluene-d8
Concen: 54.816 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013035.D
Acq: 11 Oct 2019 22:33

Tgt Ion	Ratio	Lower	Upper
98	100		
100	68.1	53.4	80.2





#51

4-Methyl-2-Pentanone

Concen: 284.502 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX013035.D

Acq: 11 Oct 2019 22:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 743661

Ion Ratio Lower Upper

43 100

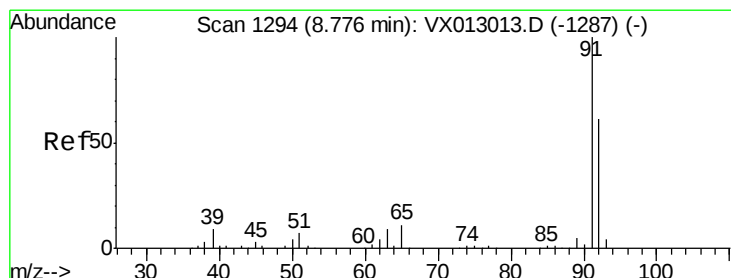
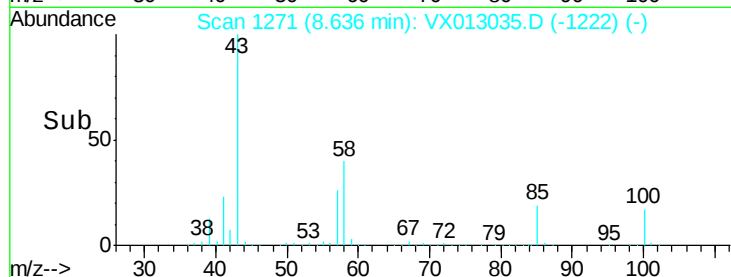
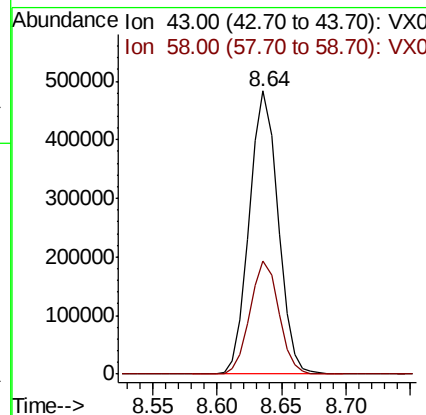
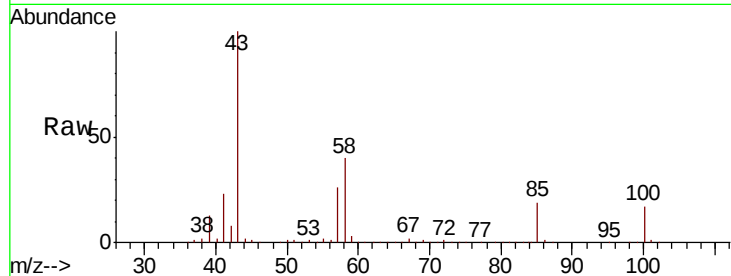
58 39.9 32.4 48.6

Manual Integrations

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MMDadoda

10/14/2019 10:39:50 AM



#52

Toluene

Concen: 56.500 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX013035.D

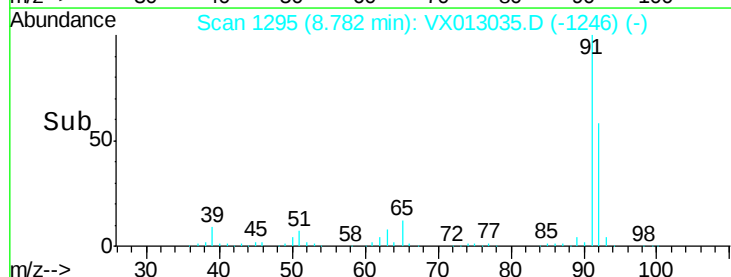
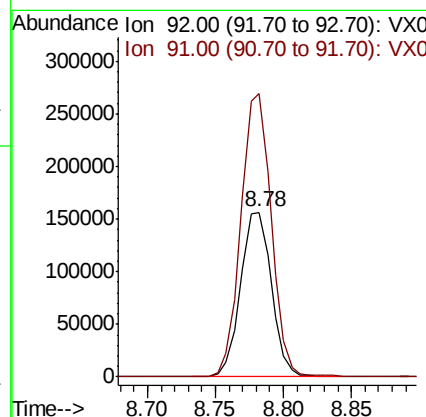
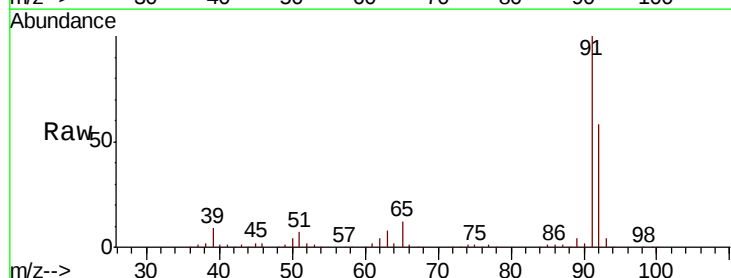
Acq: 11 Oct 2019 22:33

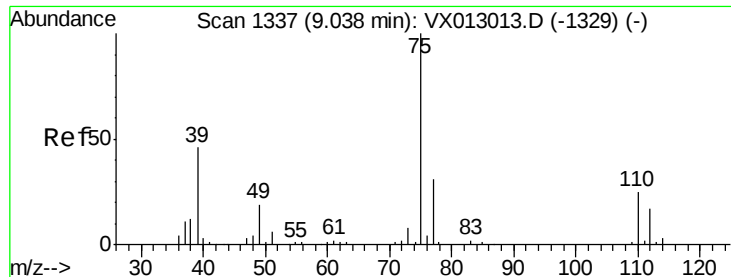
Tgt Ion: 92 Resp: 249386

Ion Ratio Lower Upper

92 100

91 168.8 135.9 203.9





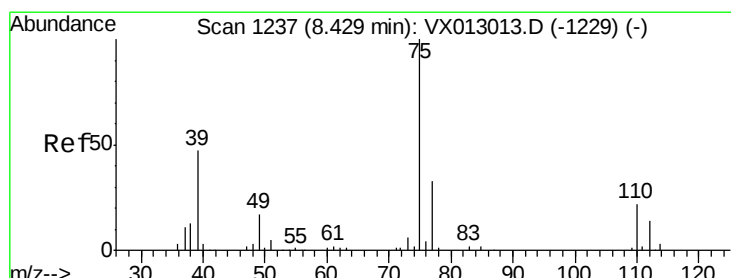
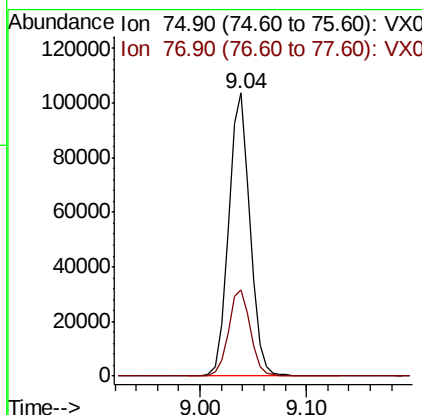
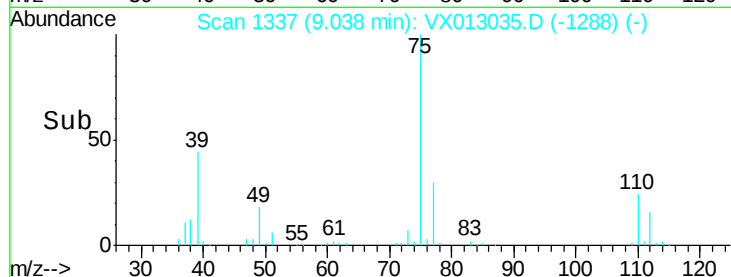
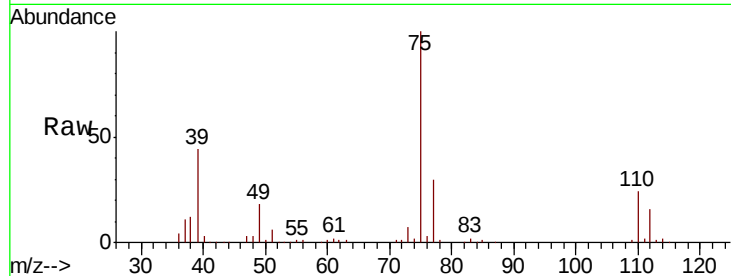
#53
t-1,3-Dichloropropene
Concen: 50.899 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VX013035.D
Acq: 11 Oct 2019 22:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 145343
Ion Ratio Lower Upper
75 100
77 30.5 25.8 38.6

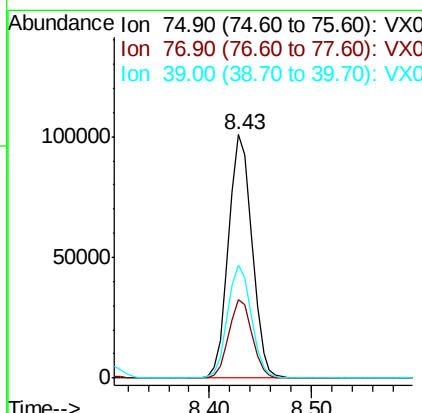
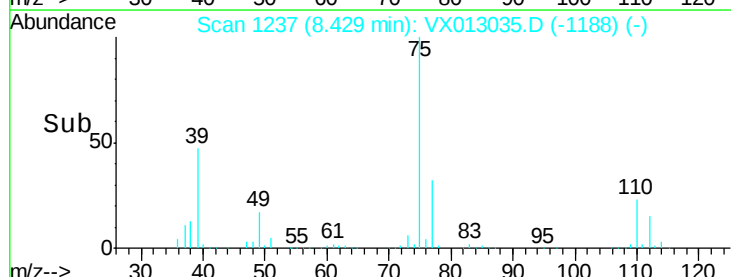
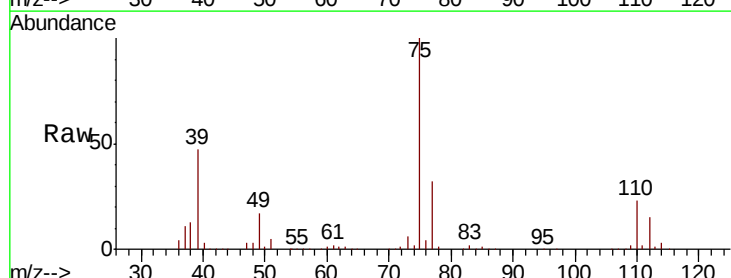
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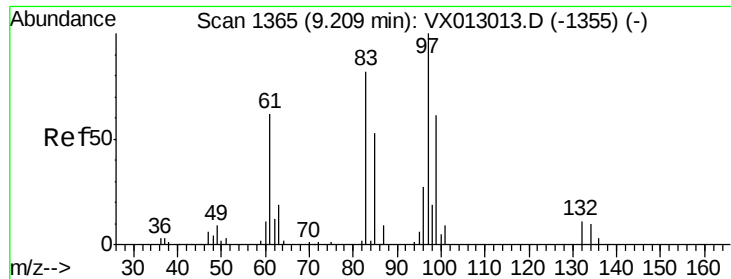
MMDadoda
10/14/2019 10:39:50 AM



#54
cis-1,3-Dichloropropene
Concen: 57.293 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX013035.D
Acq: 11 Oct 2019 22:33

Tgt Ion: 75 Resp: 161106
Ion Ratio Lower Upper
75 100
77 32.1 25.8 38.8
39 46.6 38.2 57.2





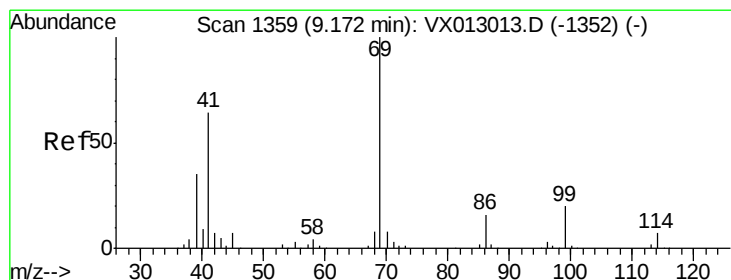
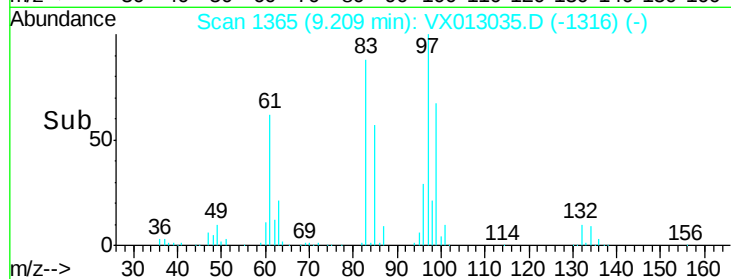
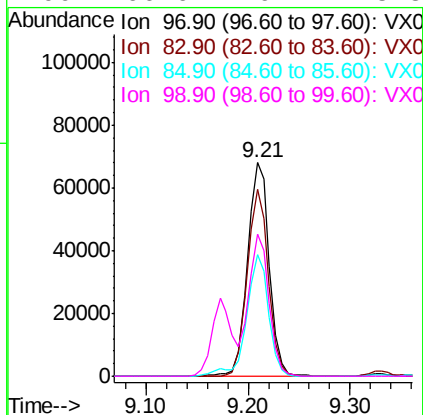
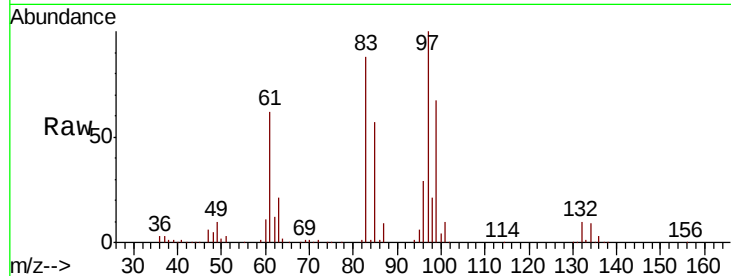
#55
 1,1,2-Trichloroethane
 Concen: 57.714 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX013035.D
 Acq: 11 Oct 2019 22:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	100813
Ion	Ratio	Lower	Upper
97	100		
83	87.7	66.5	99.7
85	56.7	43.1	64.7
99	66.6	49.2	73.8

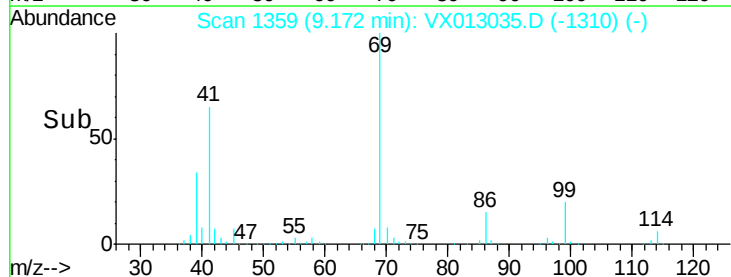
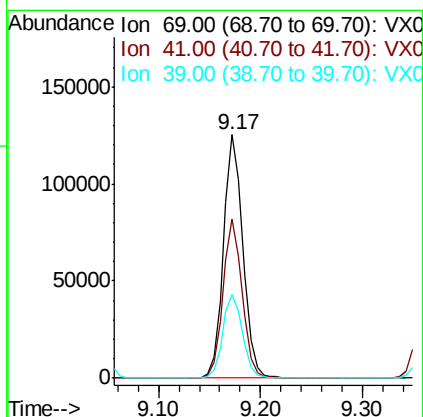
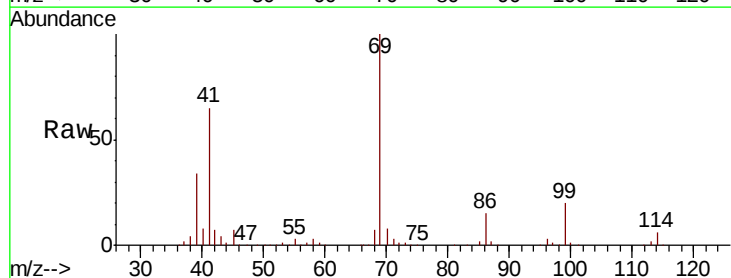
Manual Integrations
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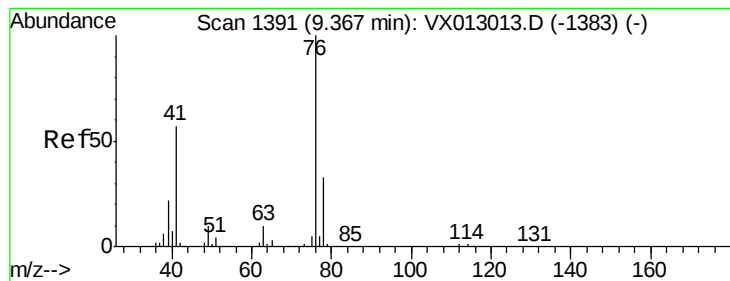
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#56
 Ethyl methacrylate
 Concen: 53.148 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX013035.D
 Acq: 11 Oct 2019 22:33

Tgt Ion:	69	Resp:	166618
Ion	Ratio	Lower	Upper
69	100		
41	63.9	52.1	78.1
39	34.6	27.8	41.8





#57

1,3-Dichloropropane

Concen: 56.664 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX013035.D

Acq: 11 Oct 2019 22:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 171215

Ion Ratio Lower Upper

76 100

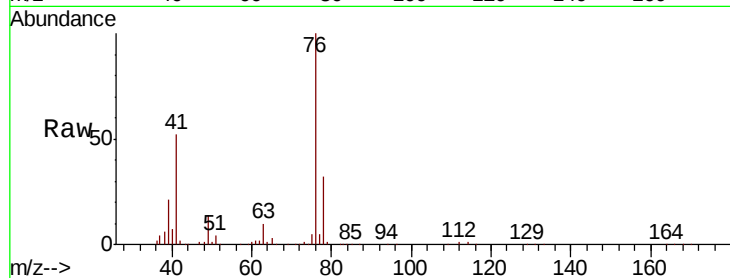
78 32.3 26.1 39.1

Manual Integrations

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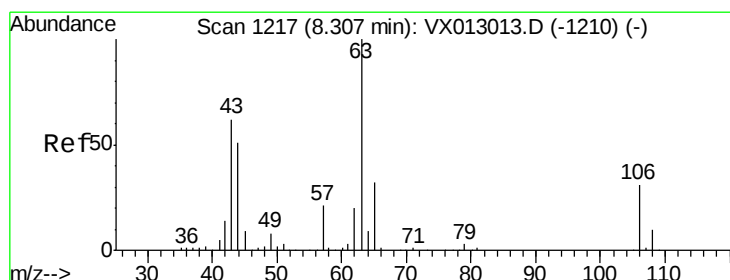
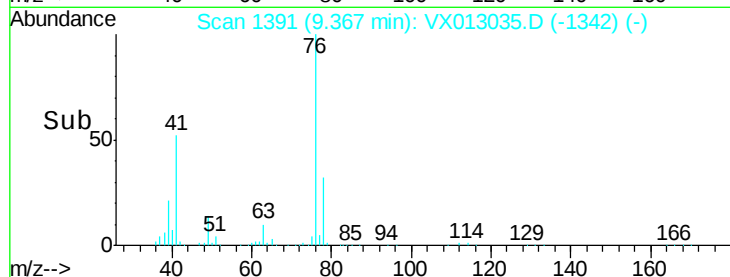
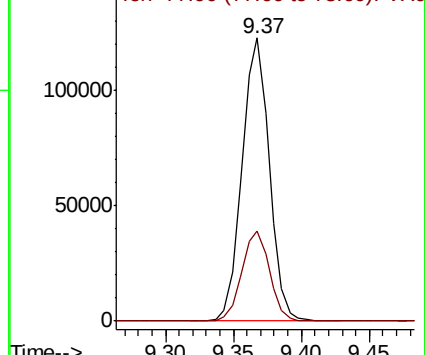
MMDadoda

10/14/2019 10:39:50 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 293.625 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX013035.D

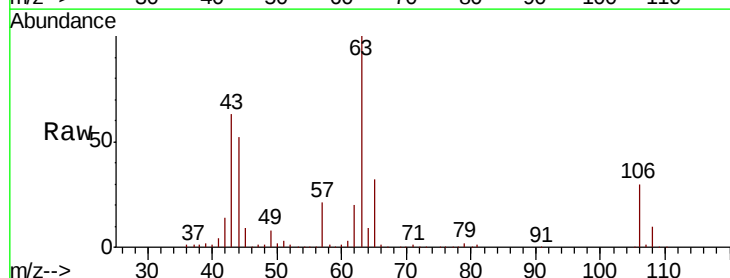
Acq: 11 Oct 2019 22:33

Tgt Ion: 63 Resp: 376785

Ion Ratio Lower Upper

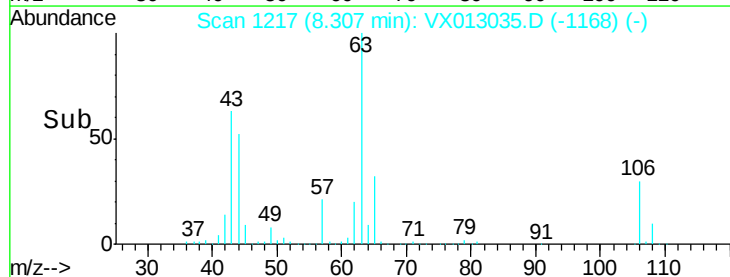
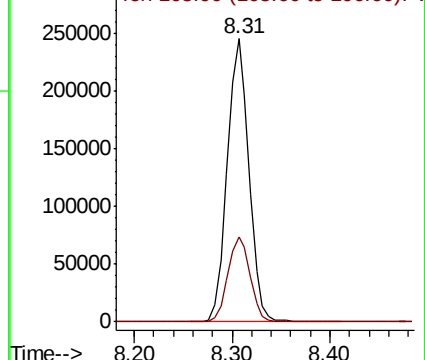
63 100

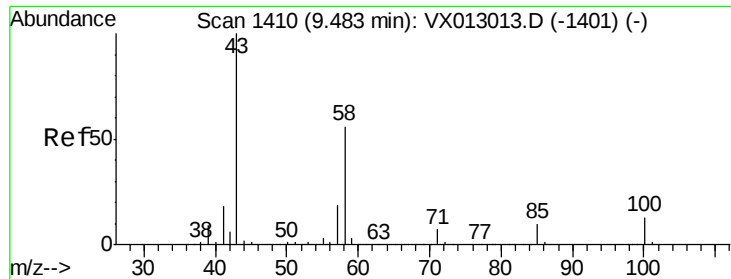
106 30.6 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





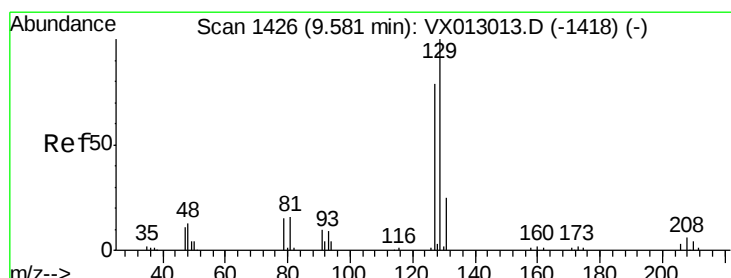
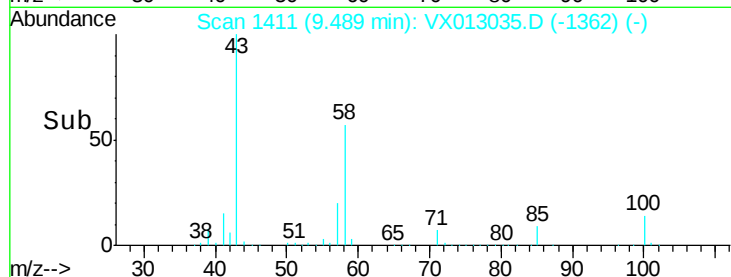
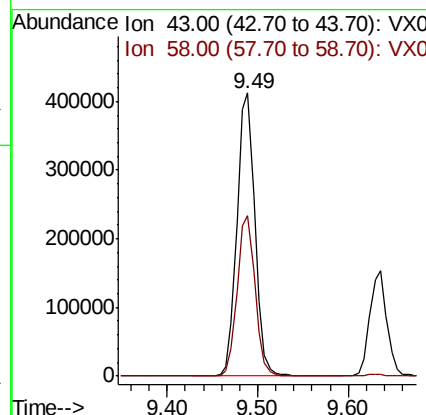
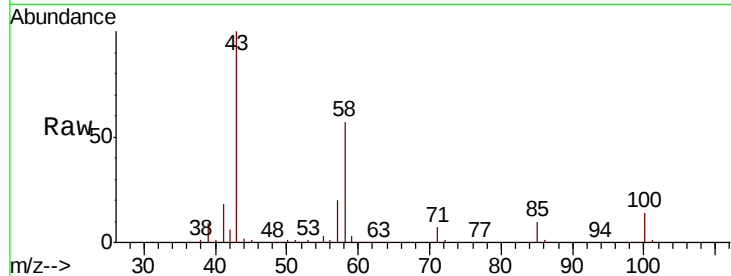
#59
2-Hexanone
Concen: 278.201 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.00 min
Lab File: VX013035.D
Acq: 11 Oct 2019 22:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 566072
Ion Ratio Lower Upper
43 100
58 56.8 28.1 84.3

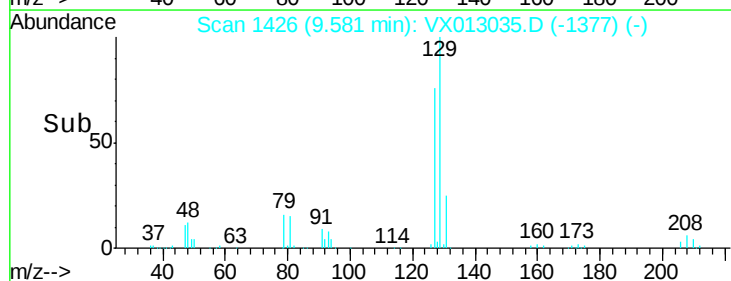
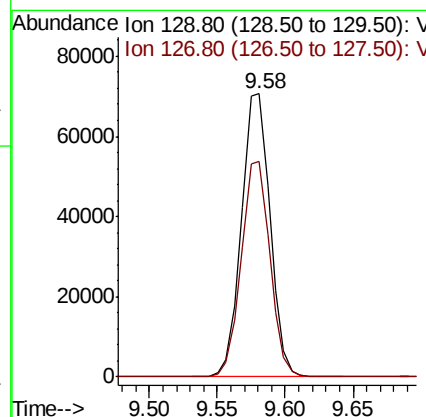
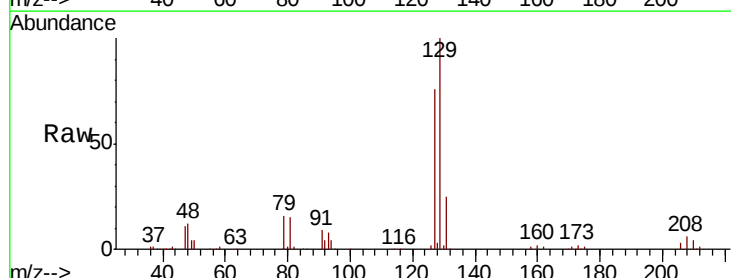
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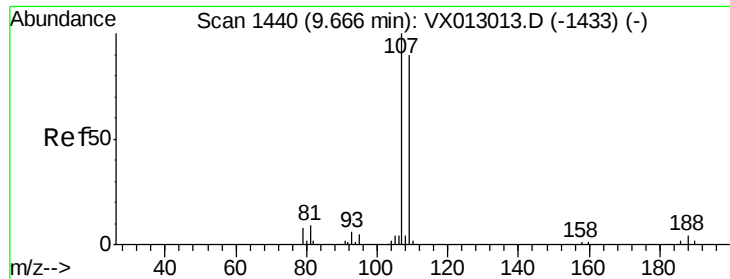
MMDadoda
10/14/2019 10:39:50 AM



#60
Dibromochloromethane
Concen: 53.267 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. 0.00 min
Lab File: VX013035.D
Acq: 11 Oct 2019 22:33

Tgt Ion: 129 Resp: 103789
Ion Ratio Lower Upper
129 100
127 76.3 38.9 116.7





#61

1,2-Dibromoethane

Concen: 57.584 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX013035.D

Acq: 11 Oct 2019 22:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 105812

Ion Ratio Lower Upper

107 100

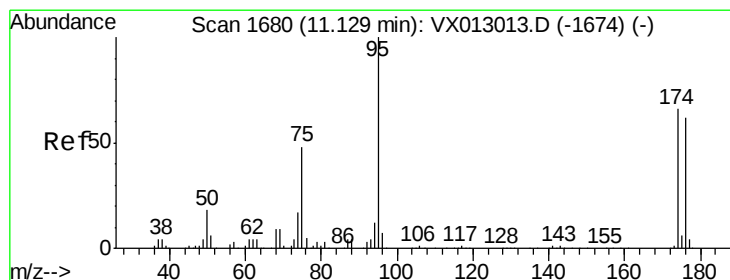
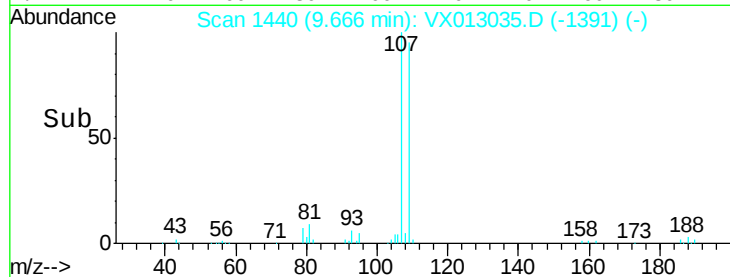
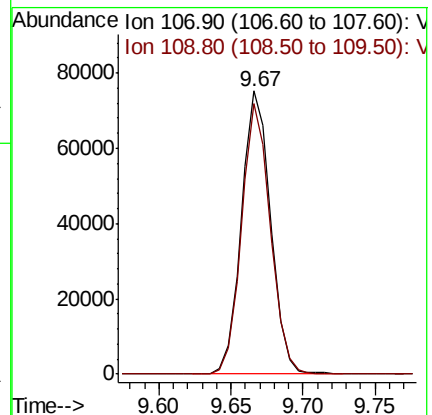
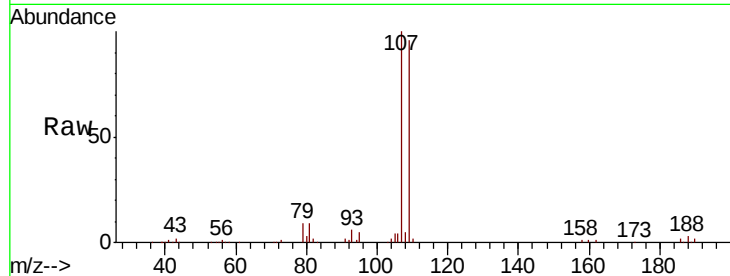
109 94.6 75.8 113.6

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#62

4-Bromofluorobenzene

Concen: 55.615 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX013035.D

Acq: 11 Oct 2019 22:33

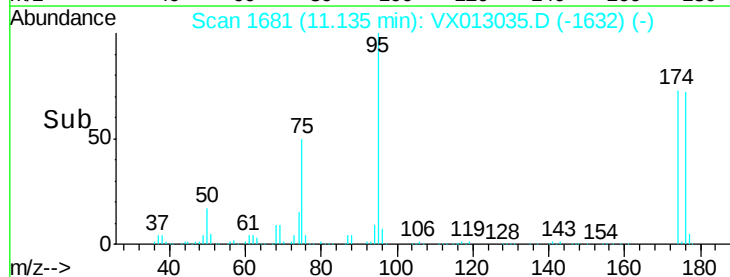
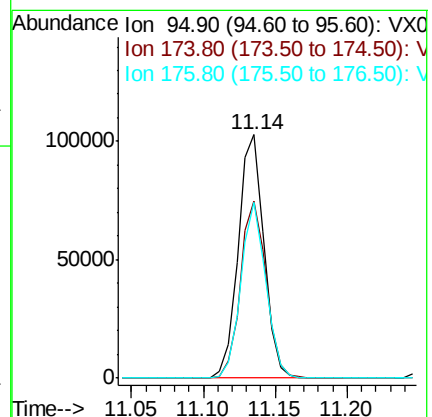
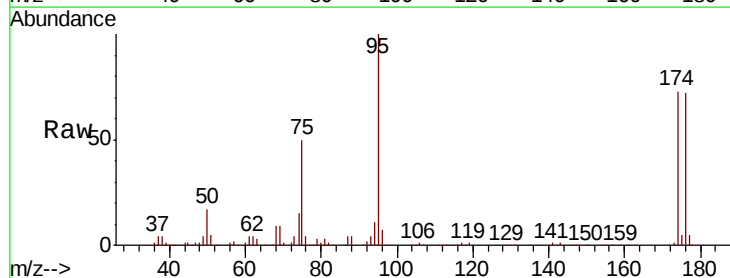
Tgt Ion: 95 Resp: 128525

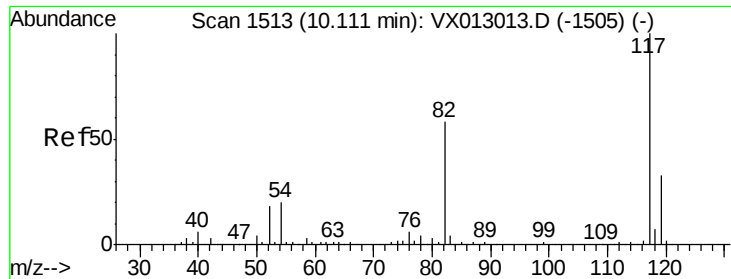
Ion Ratio Lower Upper

95 100

174 72.6 0.0 143.4

176 69.9 0.0 136.0





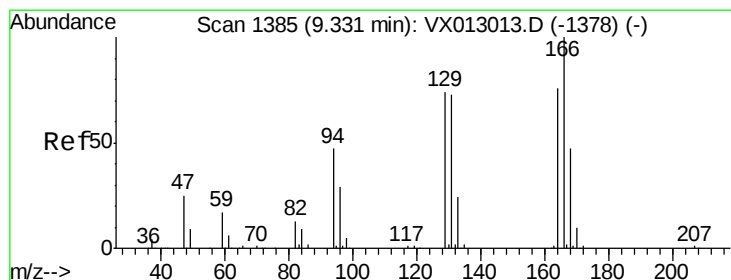
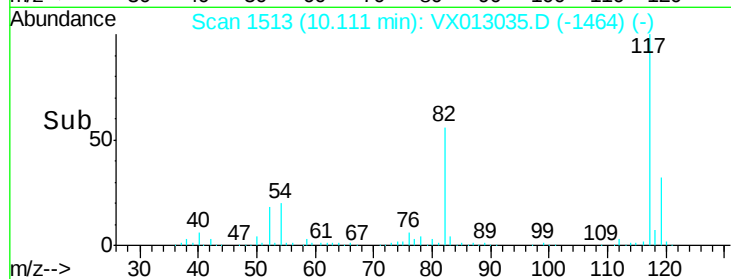
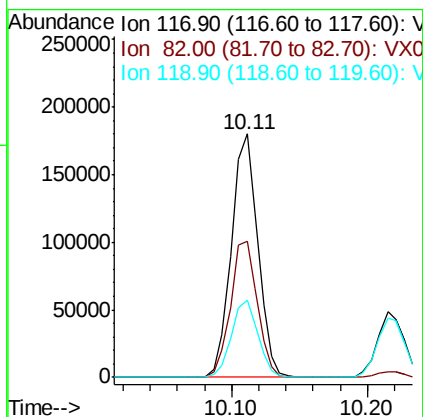
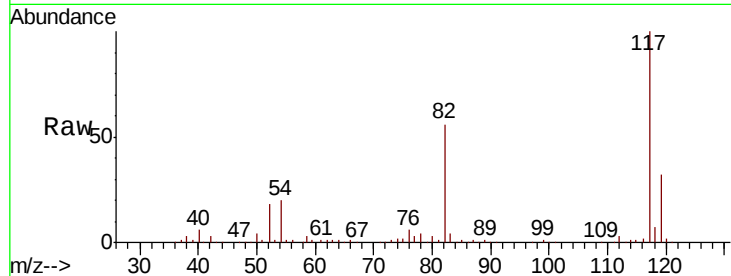
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013035.D
Acq: 11 Oct 2019 22:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.0	44.1	66.1
119	31.9	25.8	38.8

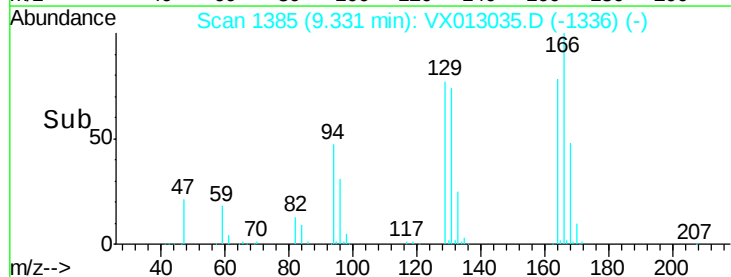
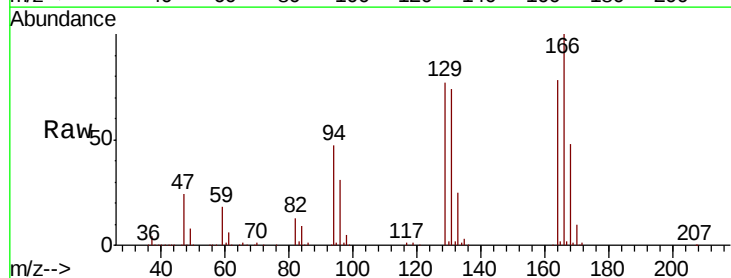
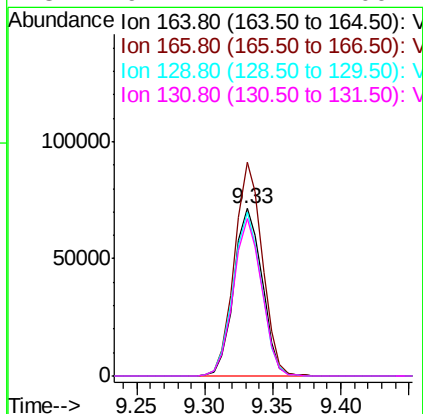
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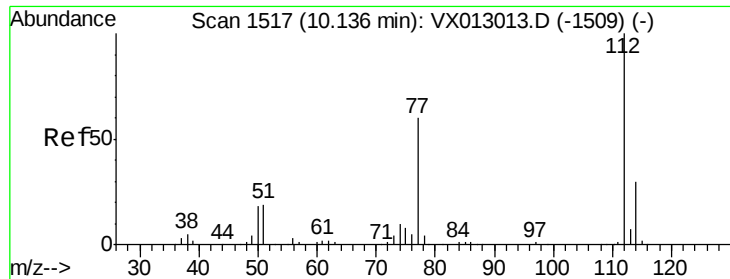
MMDadoda
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#64
Tetrachloroethene
Concen: 61.198 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX013035.D
Acq: 11 Oct 2019 22:33

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.7	96.9	145.3
129	97.8	77.9	116.9
131	94.2	72.7	109.1





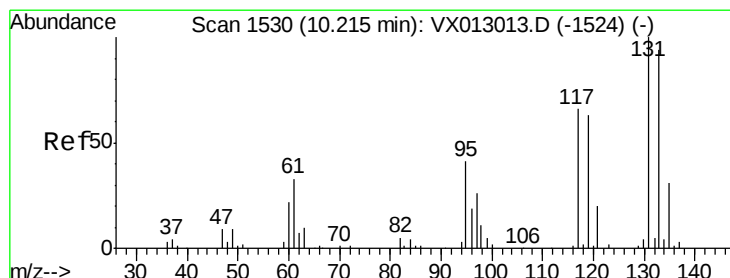
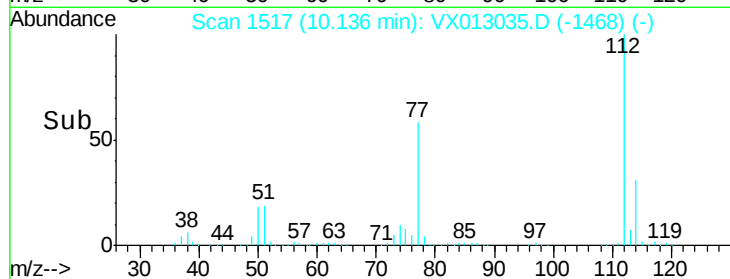
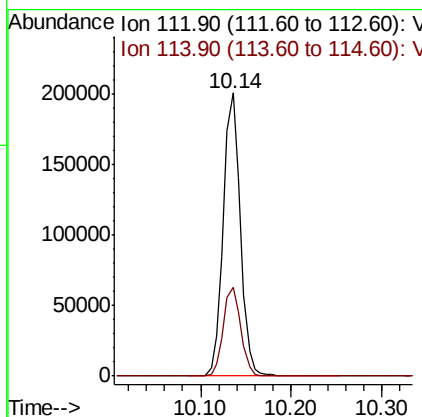
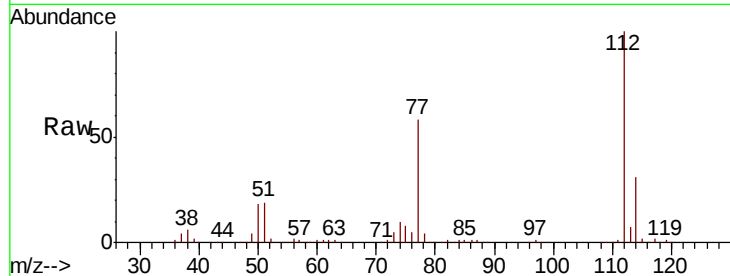
#65
Chlorobenzene
Concen: 54.453 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX013035.D
Acq: 11 Oct 2019 22:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 264093
Ion Ratio Lower Upper
112 100
114 31.5 25.7 38.5

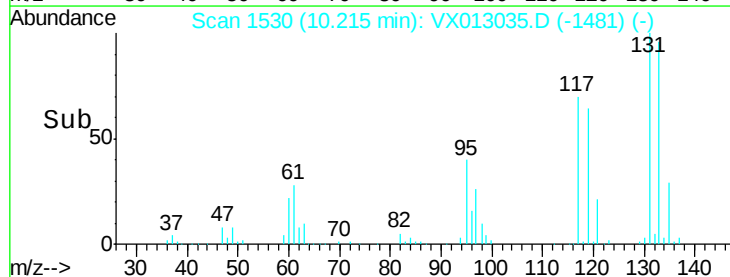
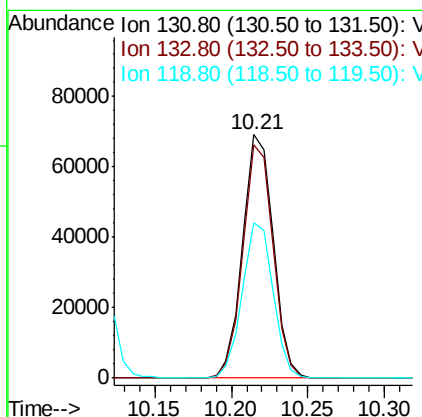
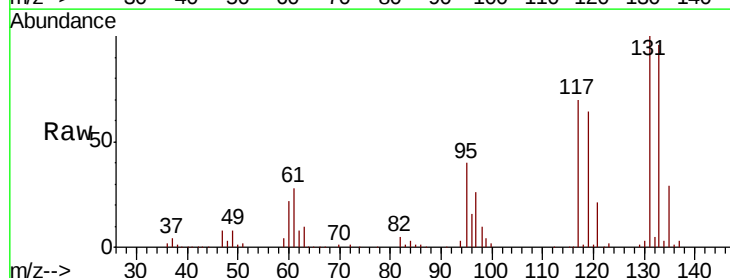
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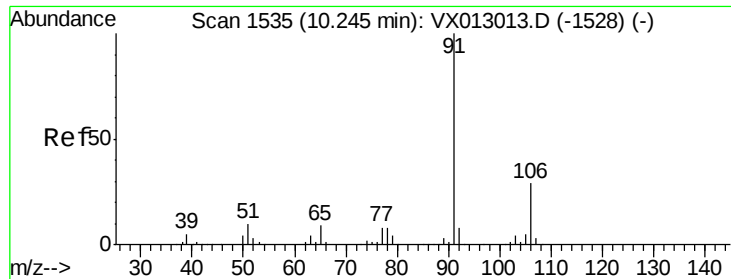
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 57.231 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VX013035.D
Acq: 11 Oct 2019 22:33

Tgt Ion:131 Resp: 96239
Ion Ratio Lower Upper
131 100
133 94.8 47.2 141.6
119 64.3 32.6 98.0





#67

Ethyl Benzene

Concen: 56.113 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX013035.D

Acq: 11 Oct 2019 22:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 483406

Ion Ratio Lower Upper

91 100

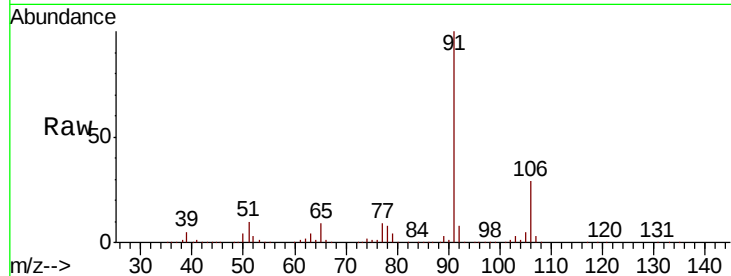
106 29.3 23.9 35.9

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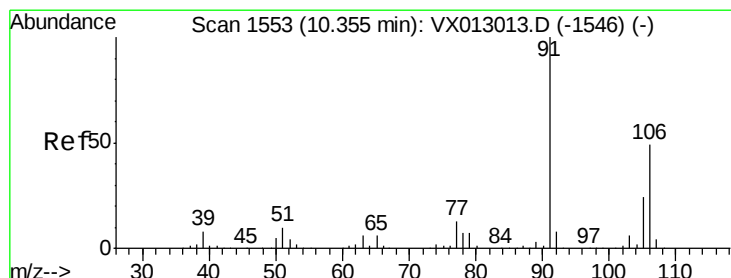
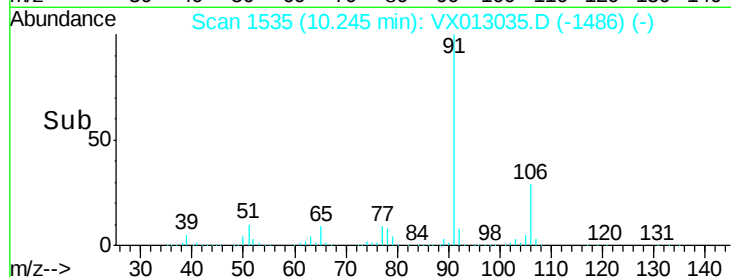
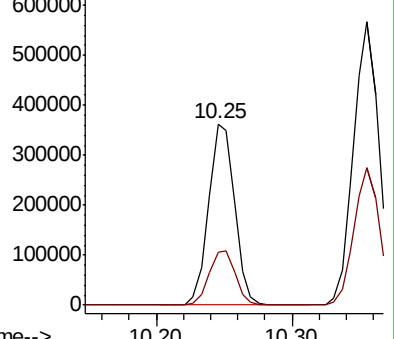
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 112.564 ug/l

RT: 10.36 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX013035.D

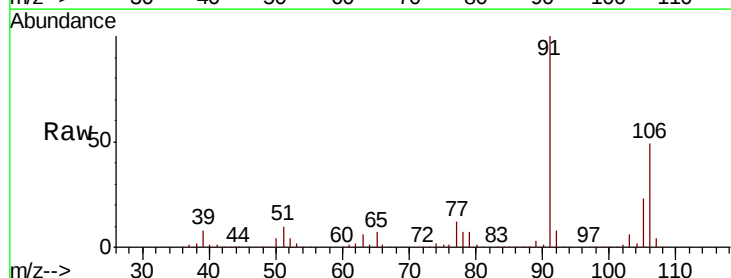
Acq: 11 Oct 2019 22:33

Tgt Ion: 106 Resp: 362272

Ion Ratio Lower Upper

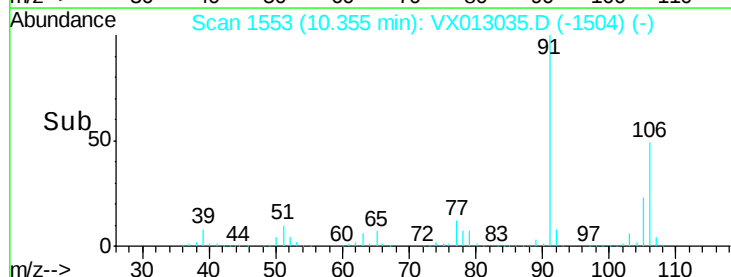
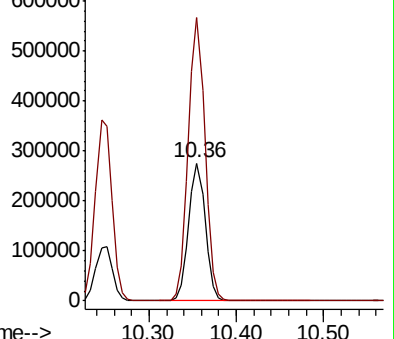
106 100

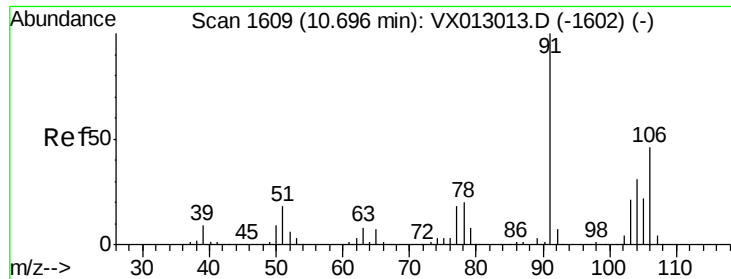
91 206.1 165.3 247.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





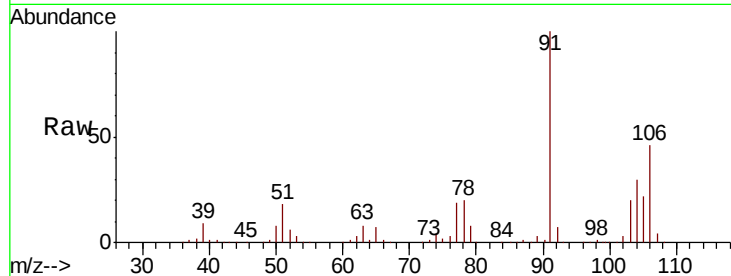
#69
o-Xylene
Concen: 56.516 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX013035.D
Acq: 11 Oct 2019 22:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

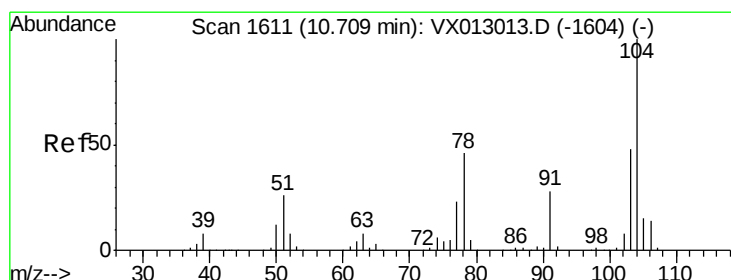
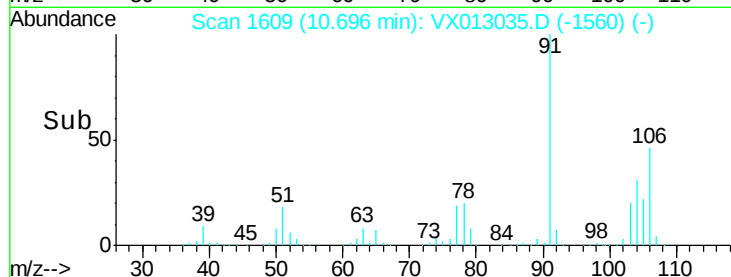
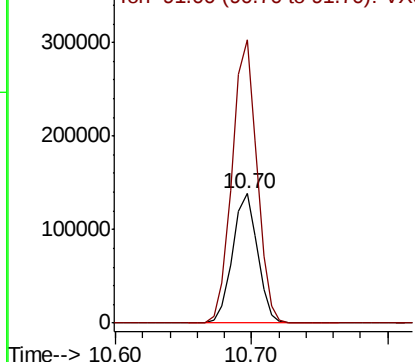
Tot Ion:106 Resp: 177373
Ion Ratio Lower Upper
106 100
91 216.9 109.1 327.3

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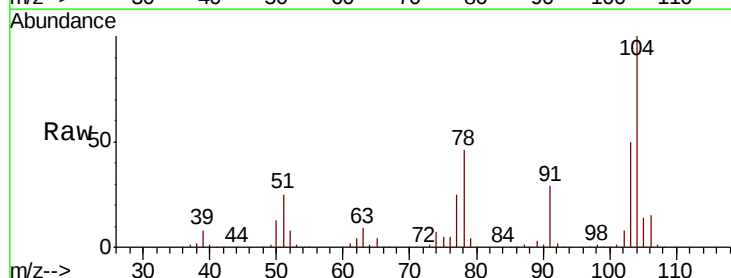


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

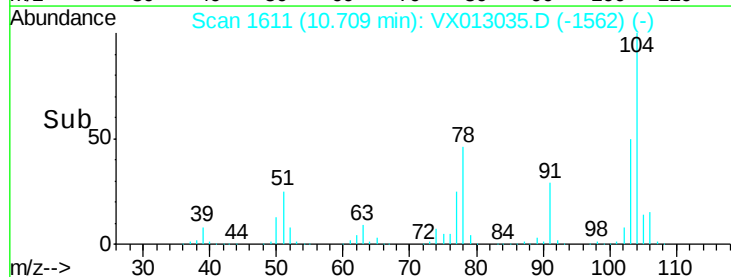
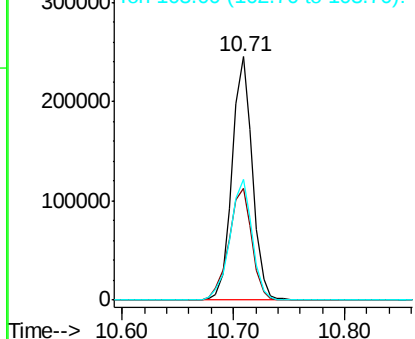


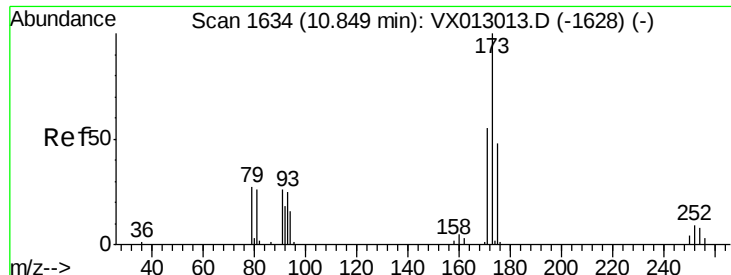
#70
Styrene
Concen: 57.786 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX013035.D
Acq: 11 Oct 2019 22:33

Tgt Ion:104 Resp: 308316
Ion Ratio Lower Upper
104 100
78 52.0 41.2 61.8
103 54.0 43.0 64.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 49.164 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX013035.D

Acq: 11 Oct 2019 22:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 70349

Ion Ratio Lower Upper

173 100

175 48.5 24.1 72.3

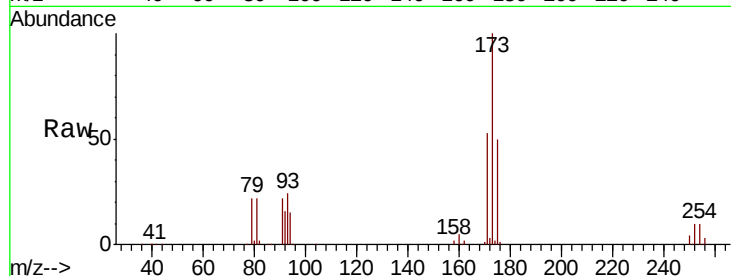
254 0.1 0.1 0.1#

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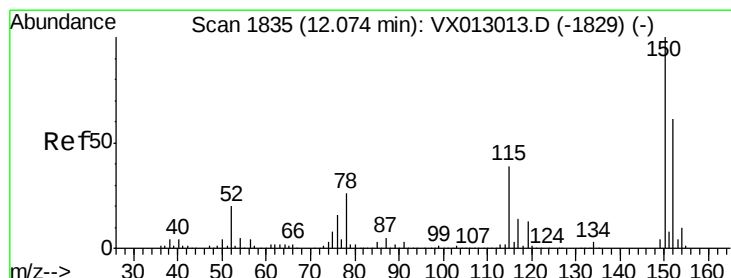
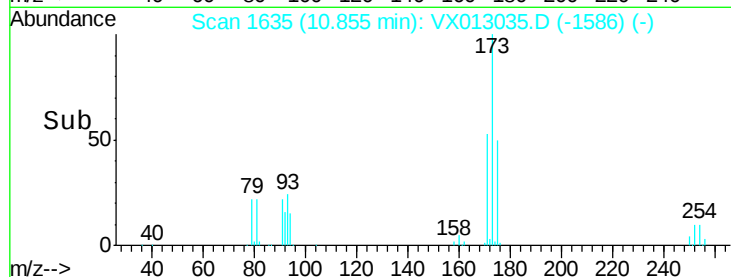
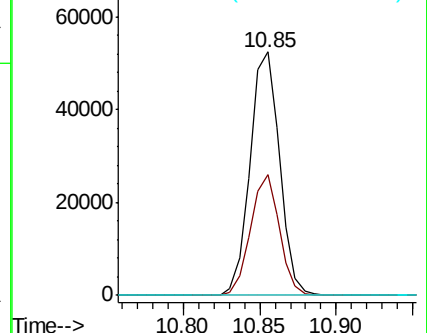
10/14/2019 10:39:50 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX013035.D

Acq: 11 Oct 2019 22:33

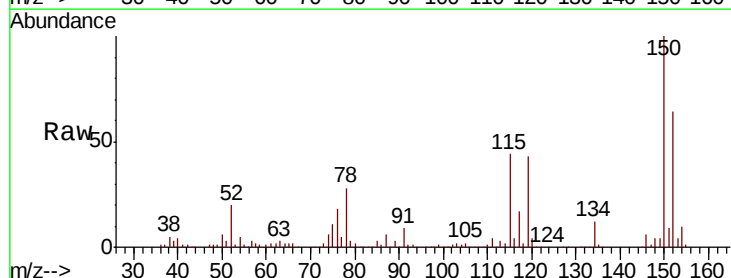
Tgt Ion:152 Resp: 115835

Ion Ratio Lower Upper

152 100

115 89.9 44.5 133.5

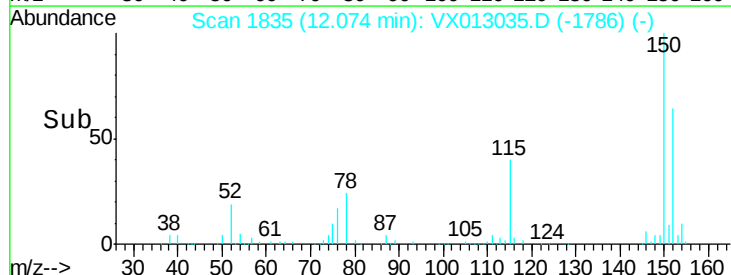
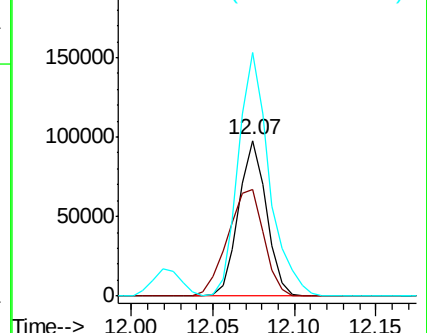
150 175.1 0.0 353.4

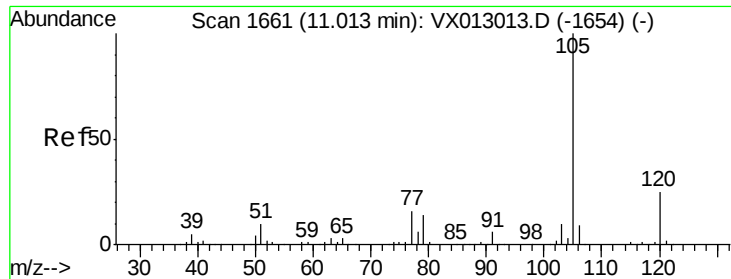


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 55.680 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX013035.D

Acq: 11 Oct 2019 22:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 474197

Ion Ratio Lower Upper

105 100

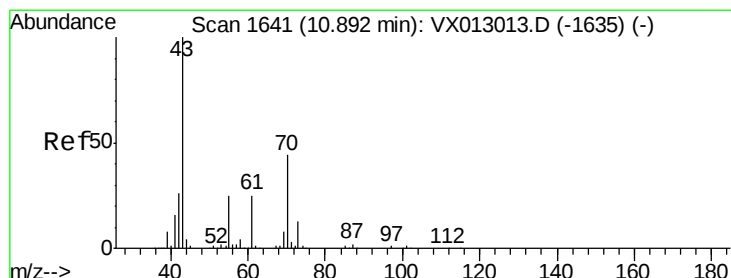
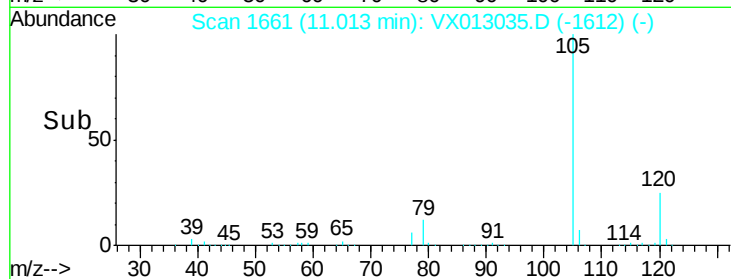
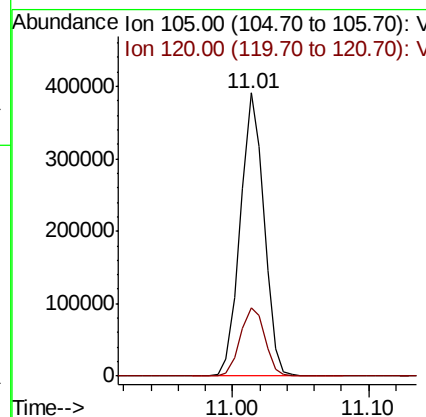
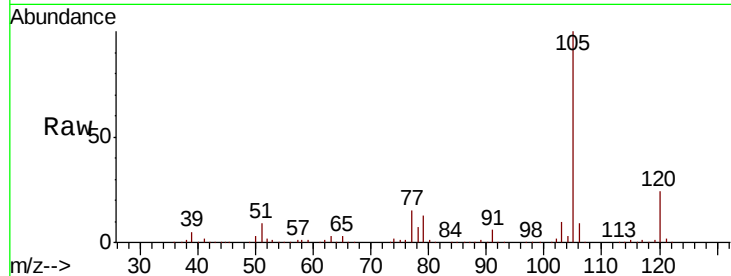
120 25.2 13.0 39.0

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#74

N-ethyl acetate

Concen: 54.975 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX013035.D

Acq: 11 Oct 2019 22:33

Tgt Ion: 43 Resp: 201637

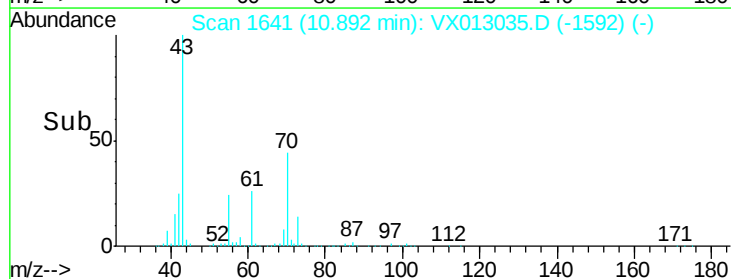
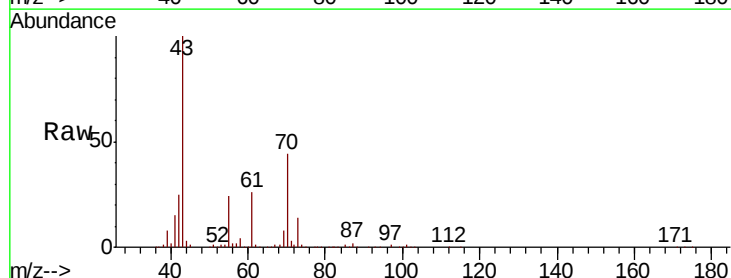
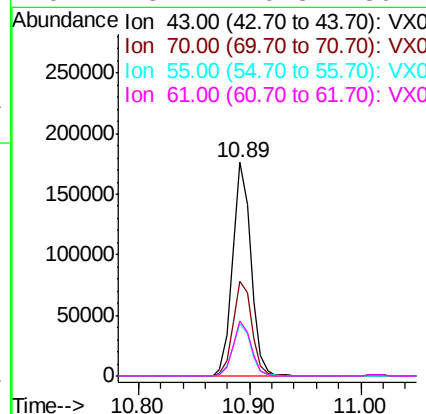
Ion Ratio Lower Upper

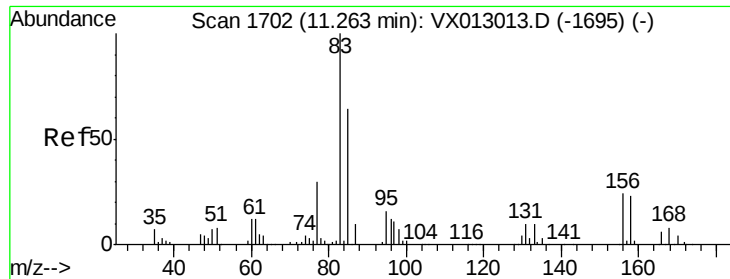
43 100

70 45.0 36.4 54.6

55 24.7 20.2 30.2

61 25.4 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 51.458 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX013035.D

Acq: 11 Oct 2019 22:33

Instrument :

MSVOA_X

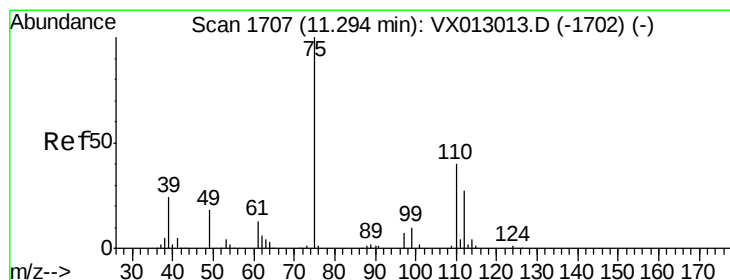
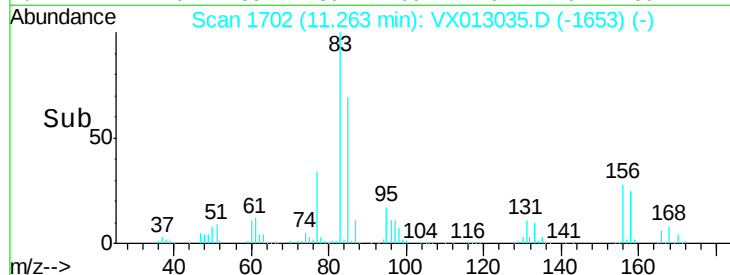
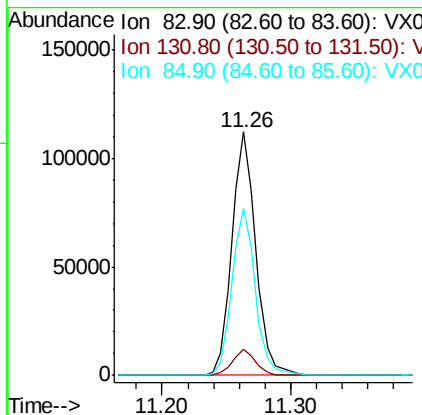
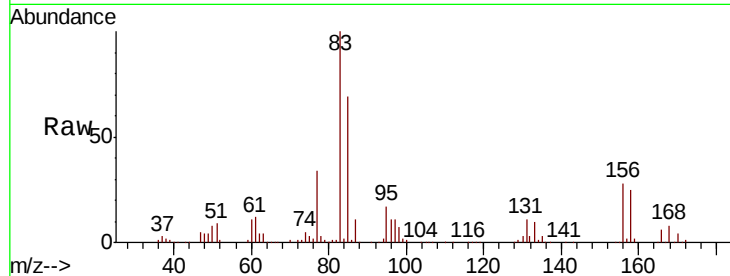
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	145757
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.1	15.3
85	67.4	32.1	96.5

Manual Integrations
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10/14/2019 10:39:50 AM



#76

1,2,3-Trichloropropane

Concen: 55.280 ug/l m

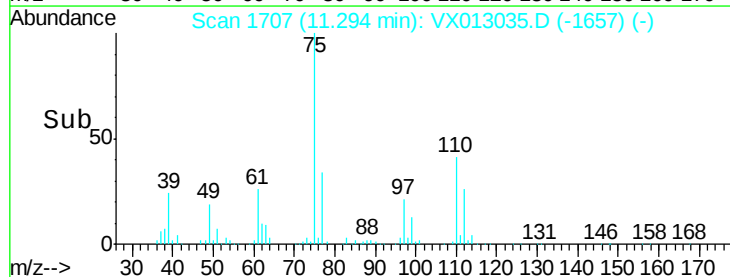
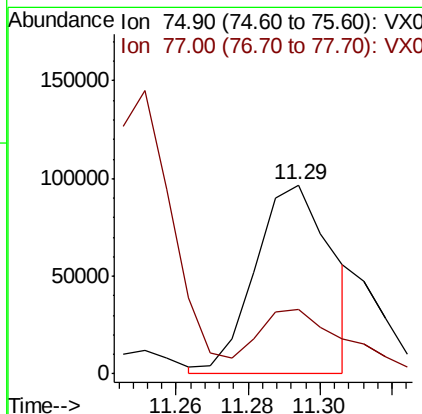
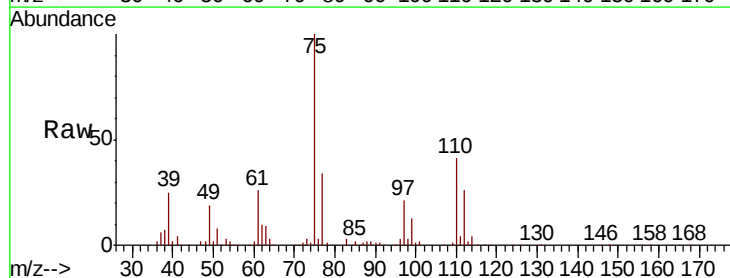
RT: 11.29 min Scan# 1707

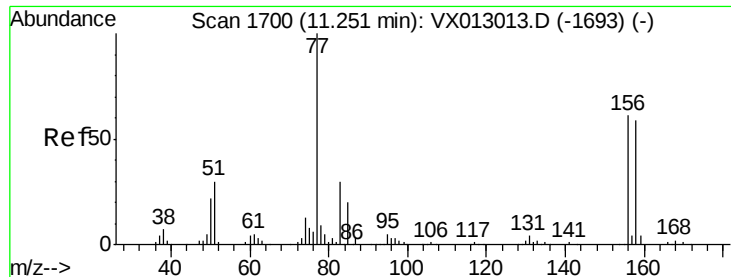
Delta R.T. 0.01 min

Lab File: VX013035.D

Acq: 11 Oct 2019 22:33

Tgt Ion:	75	Resp:	142026
Ion Ratio	Lower	Upper	
75	100		
77	39.7	22.9	68.8





#77

Bromobenzene

Concen: 55.514 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX013035.D

Acq: 11 Oct 2019 22:33

Instrument :

MSVOA_X

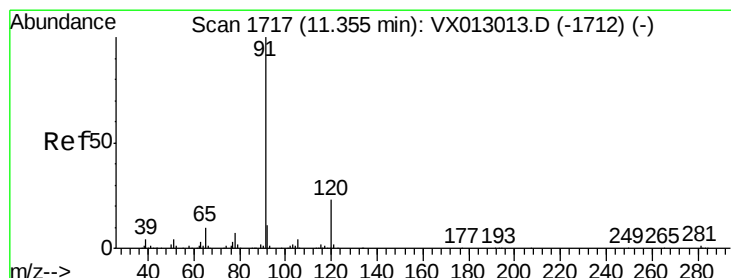
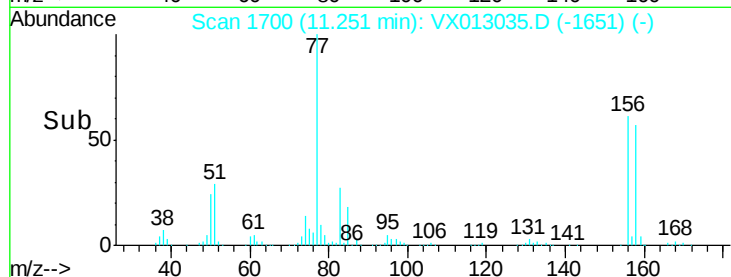
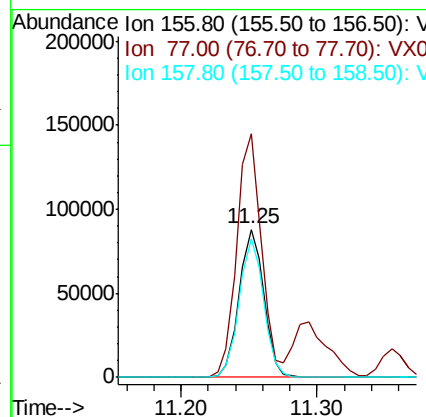
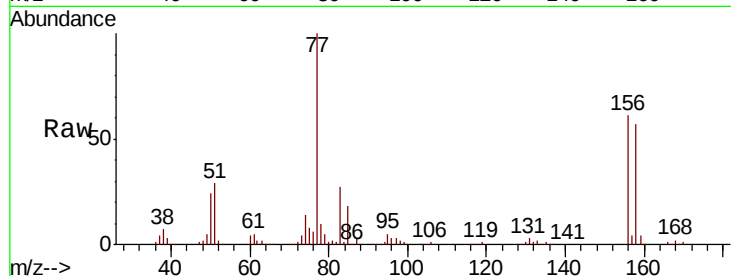
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	166.1	83.7	251.0
158	93.1	48.6	145.9

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#78

n-propylbenzene

Concen: 55.912 ug/l

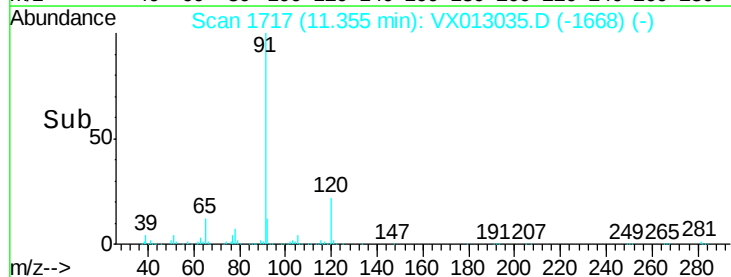
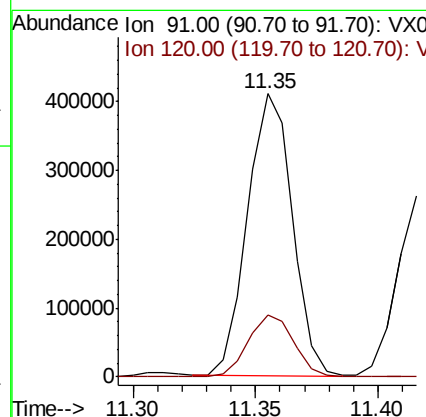
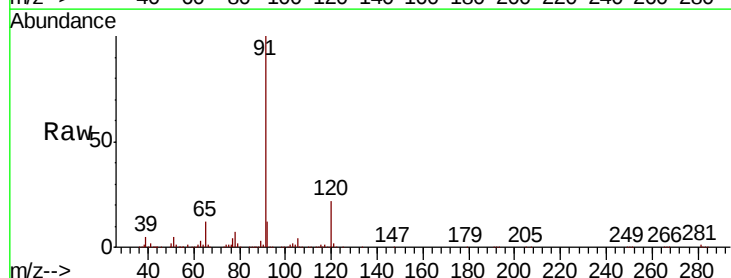
RT: 11.35 min Scan# 1717

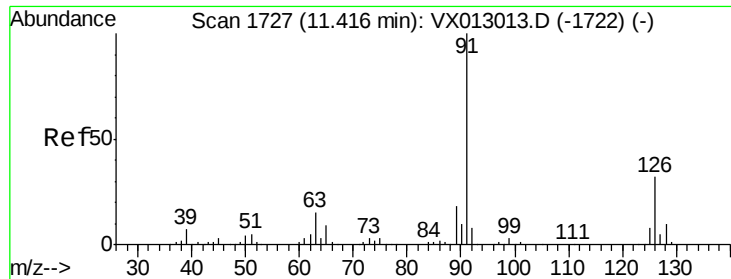
Delta R.T. 0.00 min

Lab File: VX013035.D

Acq: 11 Oct 2019 22:33

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.7	35.1





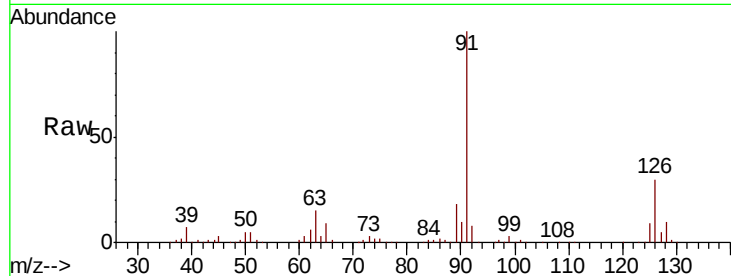
#79
 2-Chlorotoluene
 Concen: 54.708 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX013035.D
 Acq: 11 Oct 2019 22:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

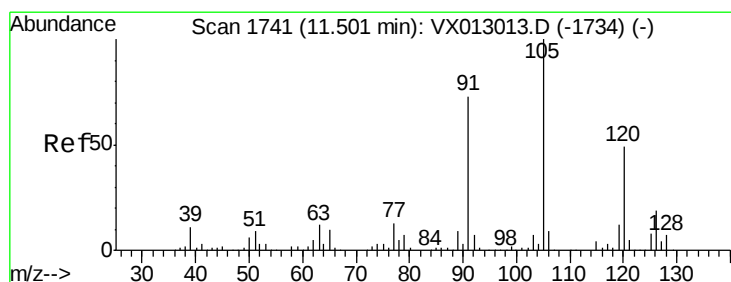
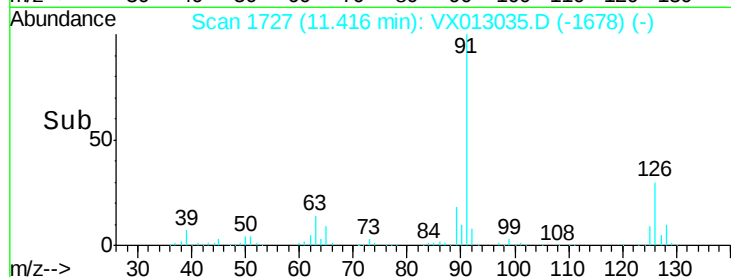
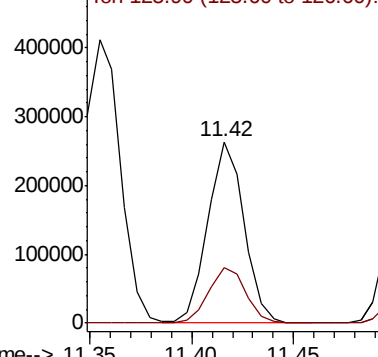
Tot Ion: 91 Resp: 322201
 Ion Ratio Lower Upper
 91 100
 126 31.4 16.3 48.8

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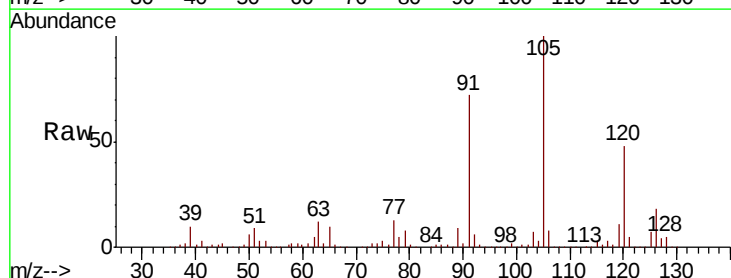


Abundance Ion 91.00 (90.70 to 91.70): VX0
 Ion 125.90 (125.60 to 126.60): V

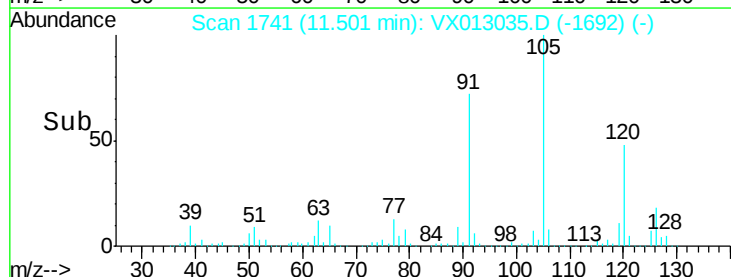
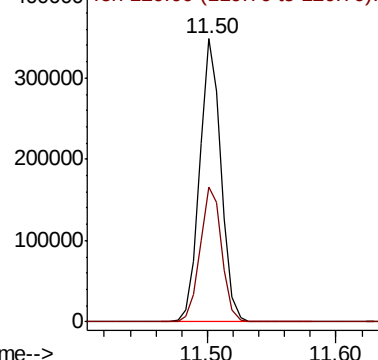


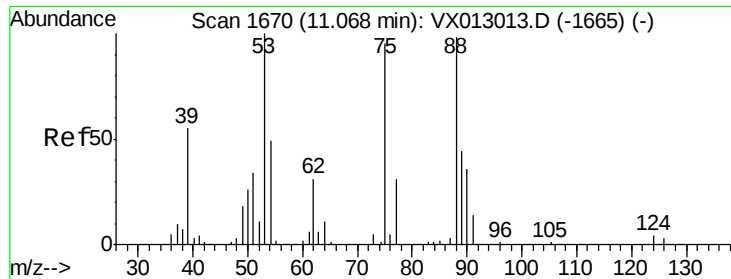
#80
 1,3,5-Trimethylbenzene
 Concen: 56.938 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX013035.D
 Acq: 11 Oct 2019 22:33

Tgt Ion: 105 Resp: 404897
 Ion Ratio Lower Upper
 105 100
 120 48.3 24.8 74.3



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





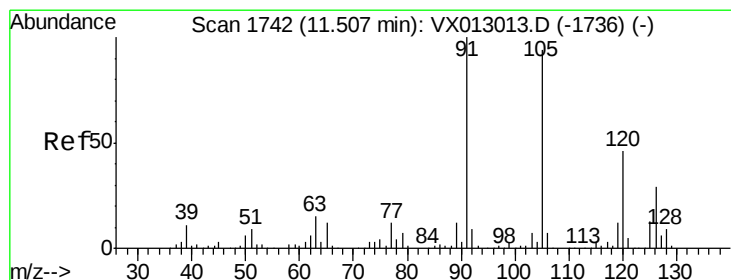
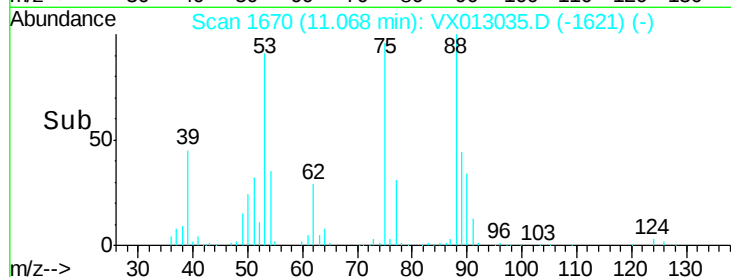
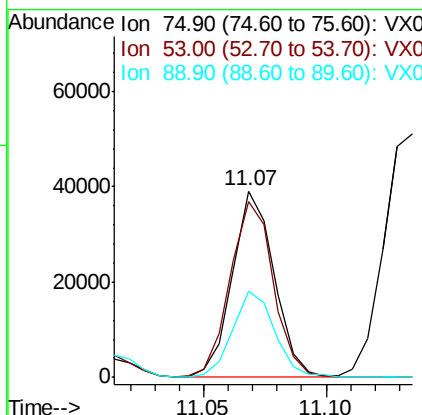
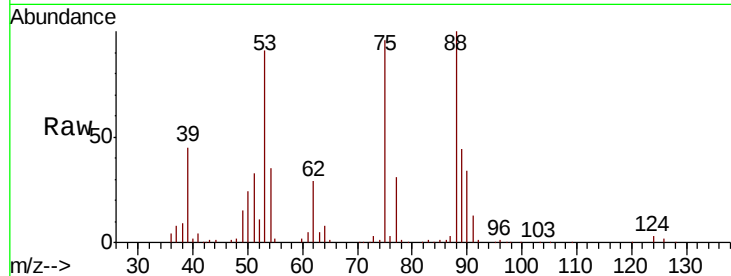
#81
trans-1,4-Dichloro-2-butene
Concen: 46.624 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VX013035.D
Acq: 11 Oct 2019 22:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.1	78.5	117.7
89	46.9	37.4	56.2

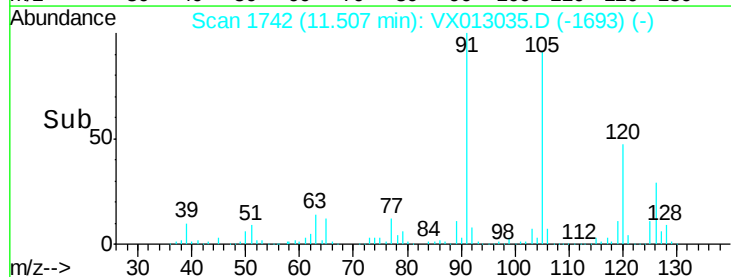
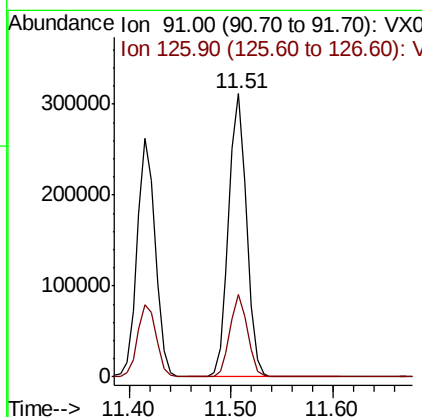
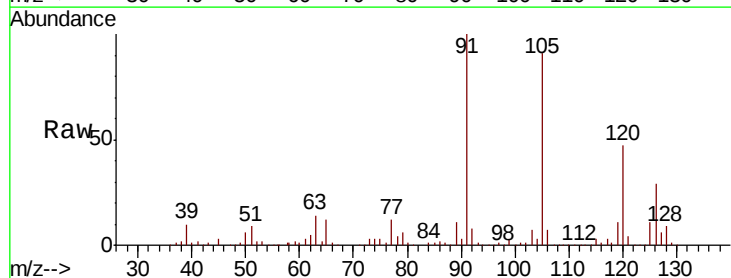
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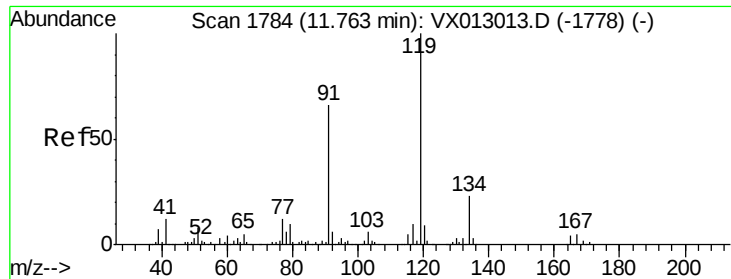
MMDadoda
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#82
4-Chlorotoluene
Concen: 55.906 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX013035.D
Acq: 11 Oct 2019 22:33

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.4	14.2	42.6





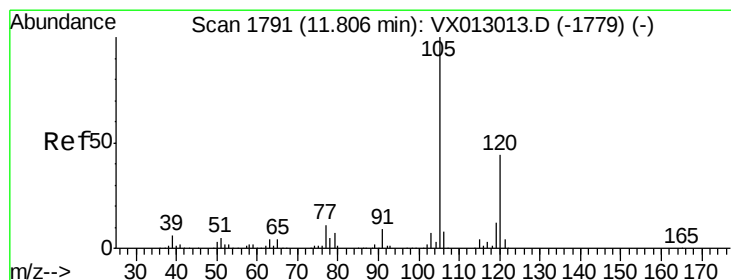
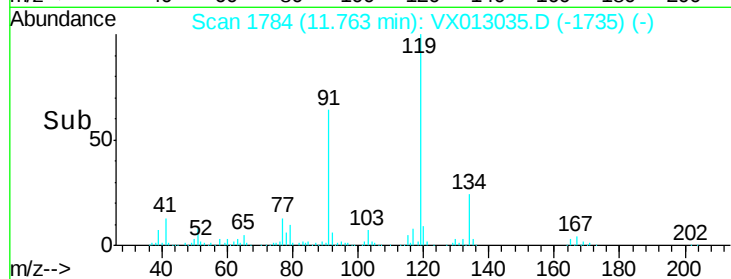
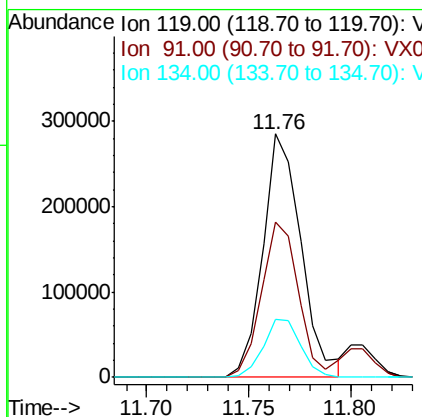
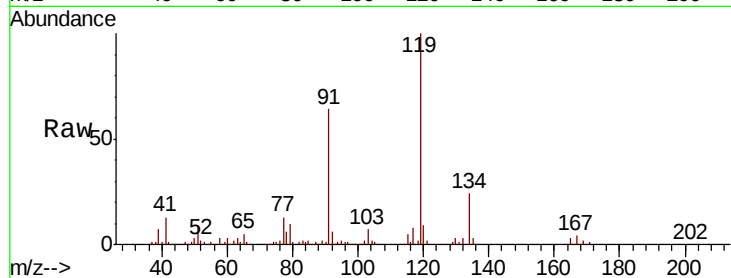
#83
tert-Butylbenzene
Concen: 53.755 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. 0.00 min
Lab File: VX013035.D
Acq: 11 Oct 2019 22:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.7	29.3	87.9
134	23.2	11.5	34.4

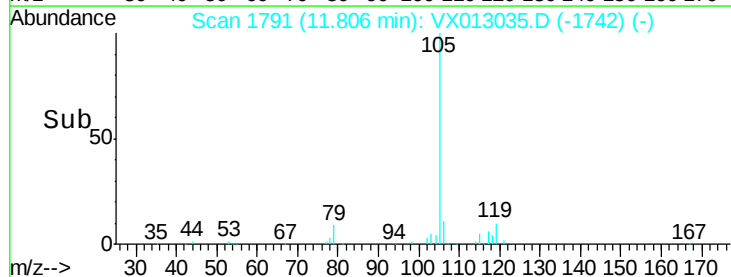
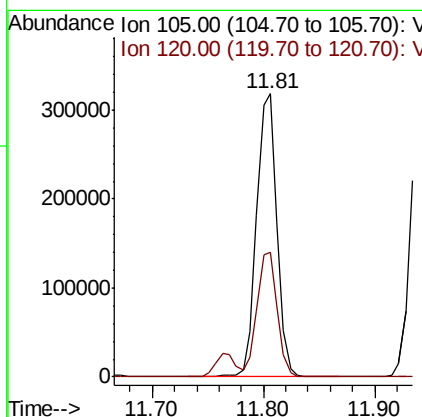
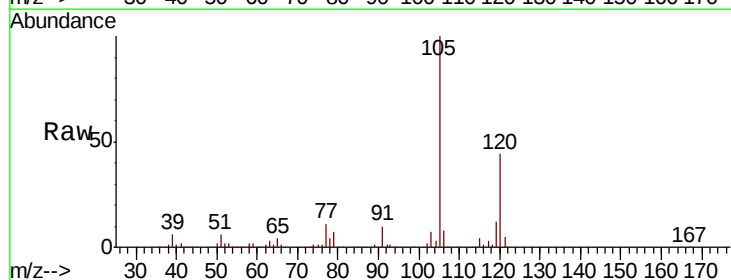
Manual Integrations
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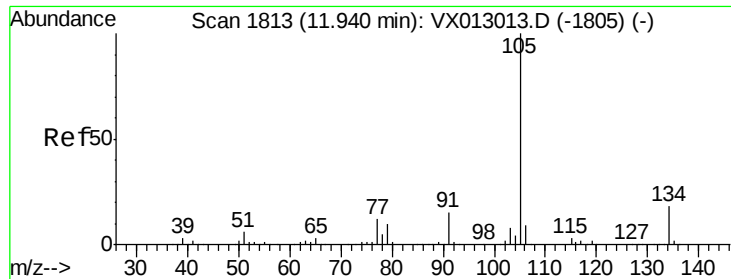
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 56.333 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. 0.00 min
Lab File: VX013035.D
Acq: 11 Oct 2019 22:33

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.6	21.8	65.3





#85

sec-Butylbenzene

Concen: 54.972 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX013035.D

Acq: 11 Oct 2019 22:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 441792

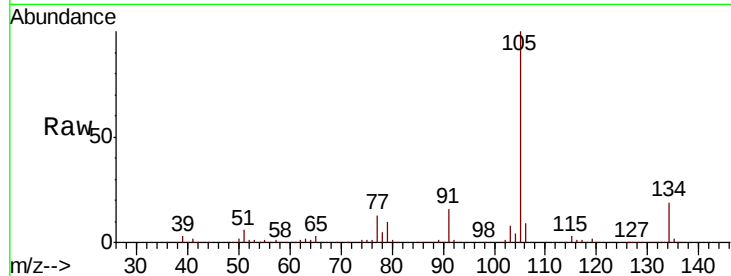
Ion Ratio Lower Upper

105 100

134 20.0 10.0 30.0

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

400000

300000

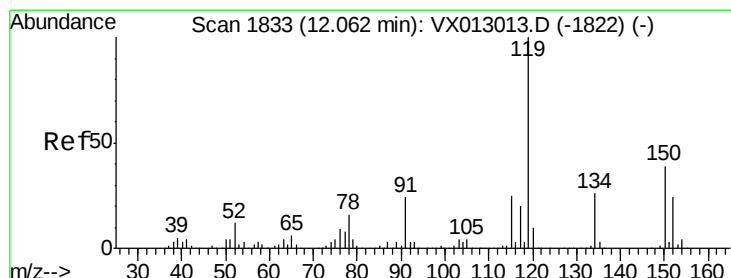
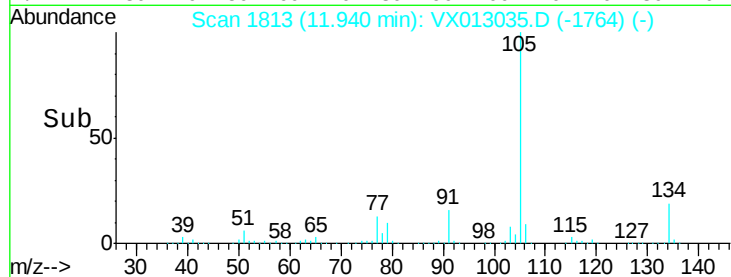
200000

100000

0

11.90 11.95 12.00

Time-->



#86

p-Isopropyltoluene

Concen: 55.316 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX013035.D

Acq: 11 Oct 2019 22:33

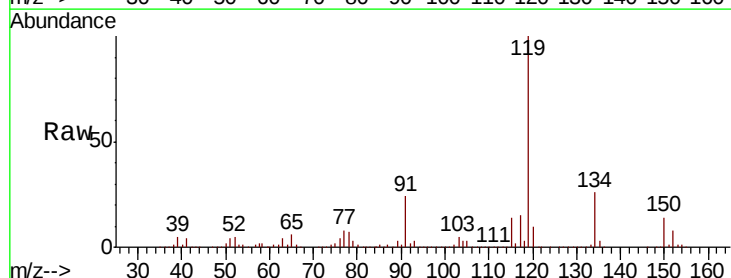
Tgt Ion:119 Resp: 412306

Ion Ratio Lower Upper

119 100

134 25.5 12.6 37.8

91 25.1 12.4 37.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.06

400000

300000

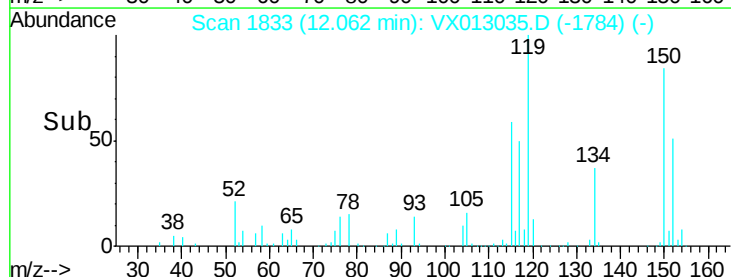
200000

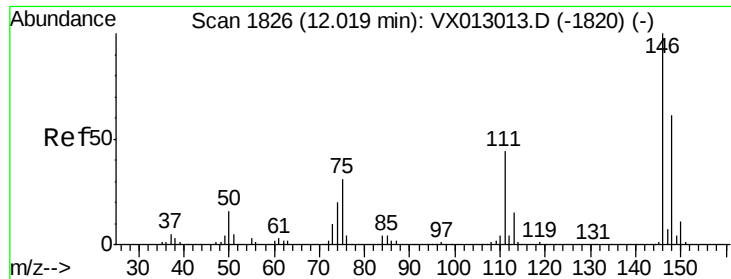
100000

0

12.00 12.10 12.20

Time-->





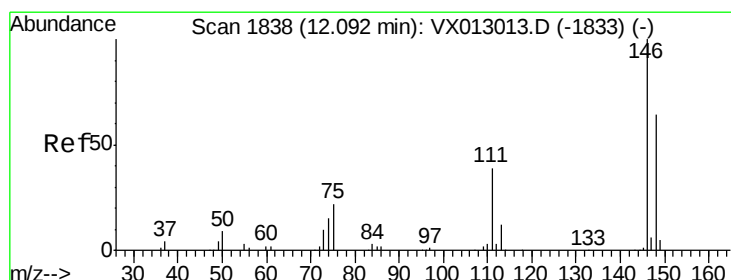
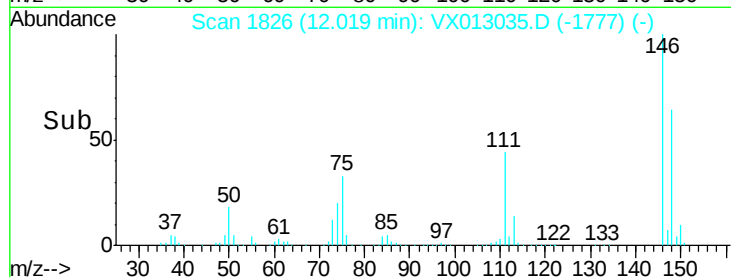
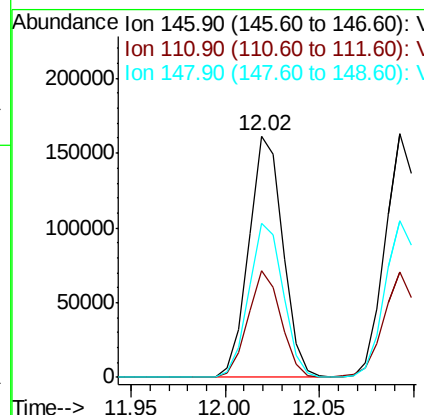
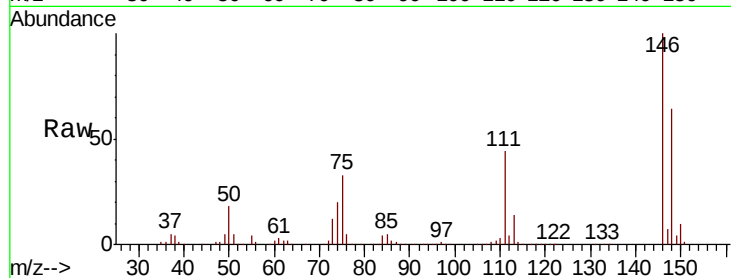
#87
 1,3-Dichlorobenzene
 Concen: 54.334 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX013035.D
 Acq: 11 Oct 2019 22:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.1	63.4
148	64.0	31.6	95.0

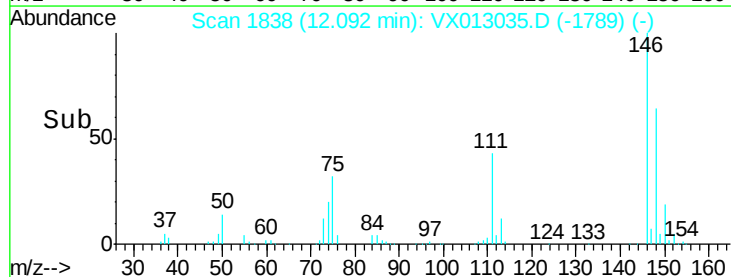
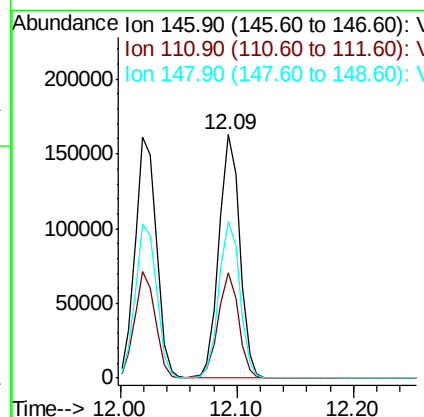
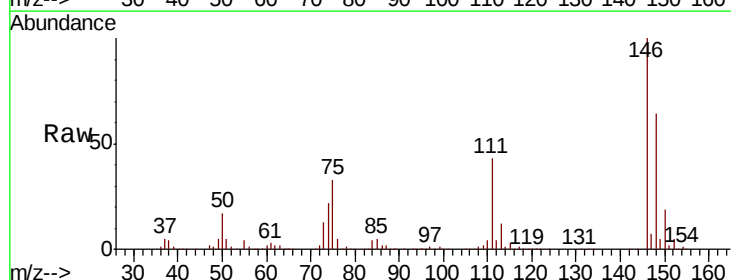
Manual Integrations
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#88
 1,4-Dichlorobenzene
 Concen: 52.993 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX013035.D
 Acq: 11 Oct 2019 22:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.4	64.3
148	65.0	32.1	96.5





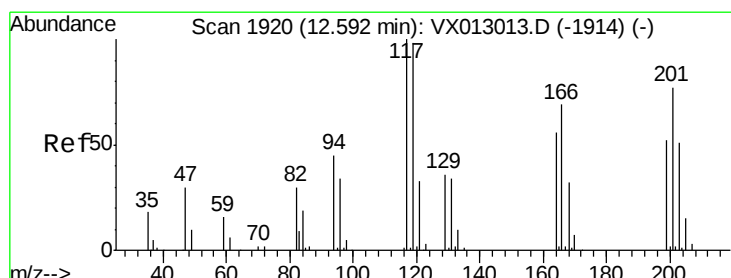
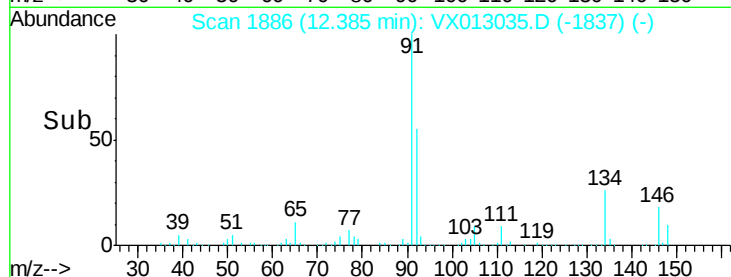
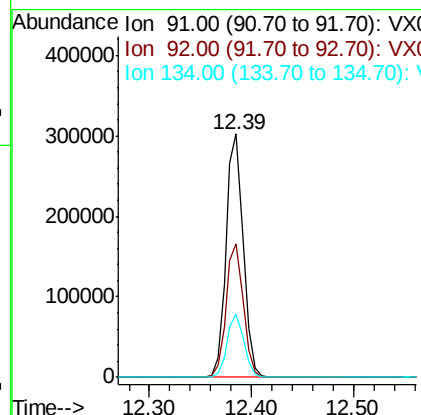
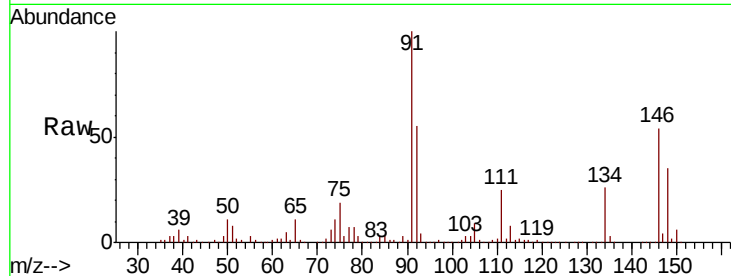
#89
n-Butylbenzene
Concen: 56.776 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX013035.D
Acq: 11 Oct 2019 22:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		355670		
92	55.0	27.5	82.5		
134	25.7	12.9	38.7		

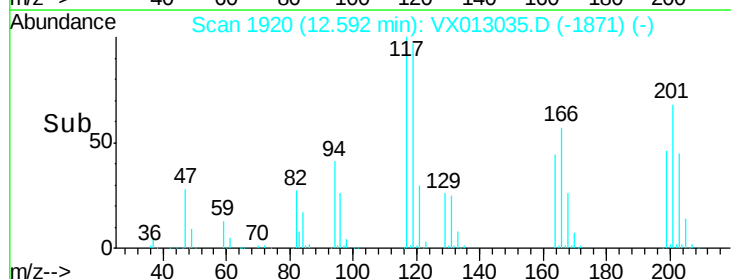
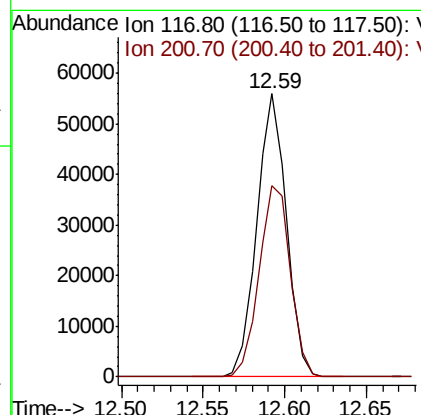
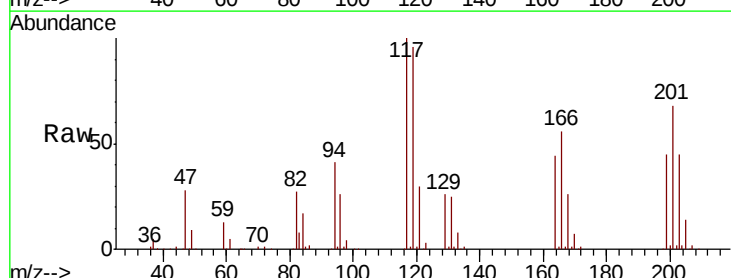
Manual Integrations
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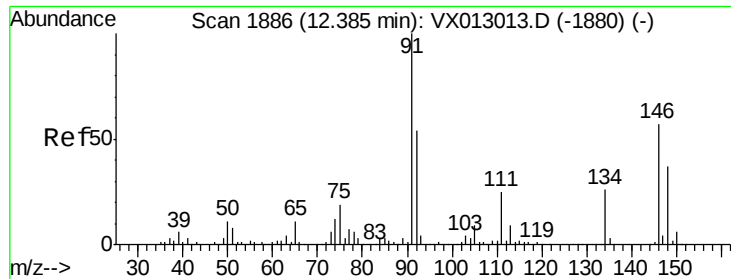
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#90
Hexachloroethane
Concen: 51.072 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX013035.D
Acq: 11 Oct 2019 22:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		70571		
201	71.5	36.9	110.7		





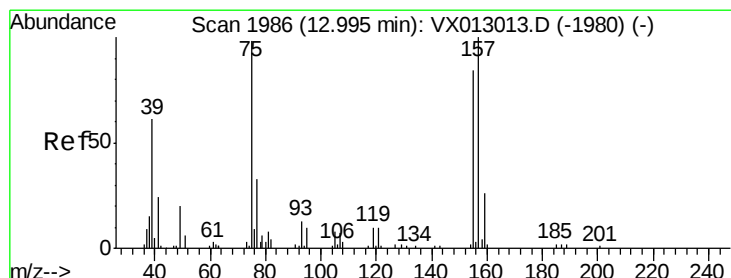
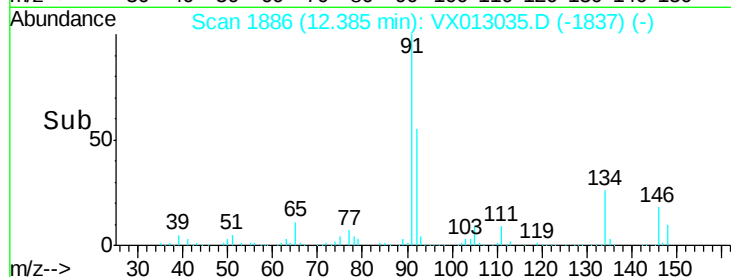
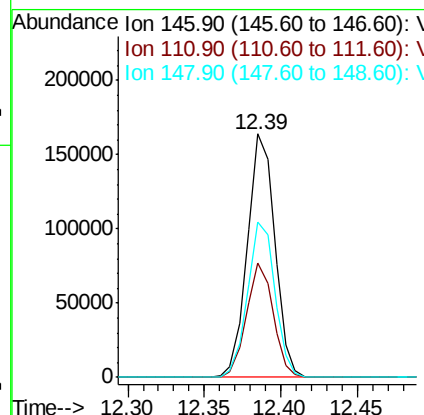
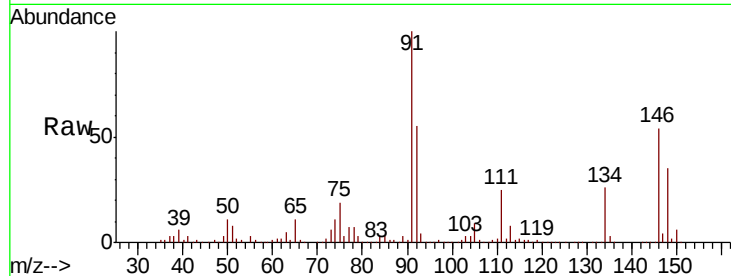
#91
 1,2-Dichlorobenzene
 Concen: 55.889 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX013035.D
 Acq: 11 Oct 2019 22:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.6	22.7	68.0
148	63.8	31.6	94.7

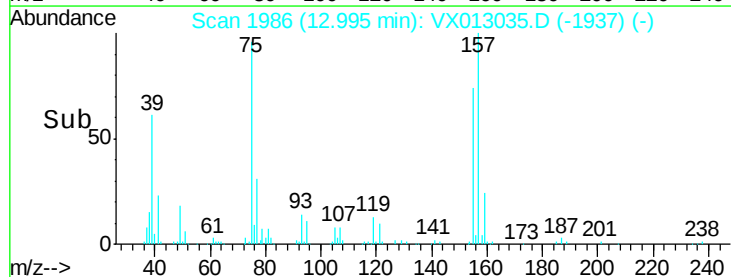
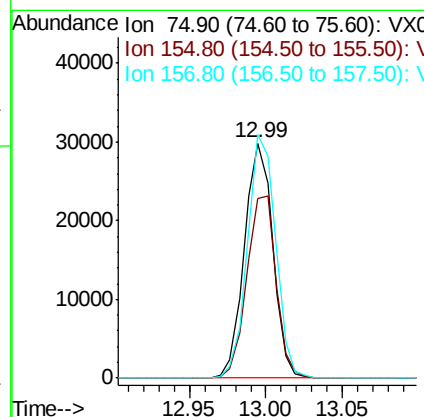
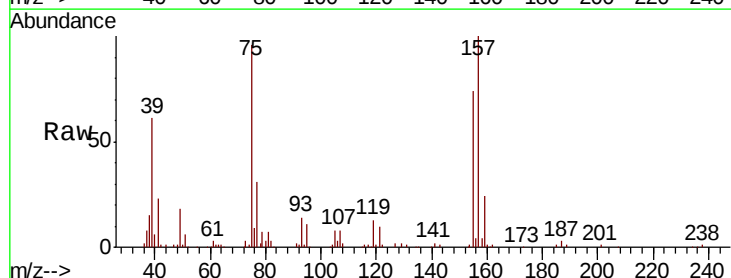
Manual Integrations
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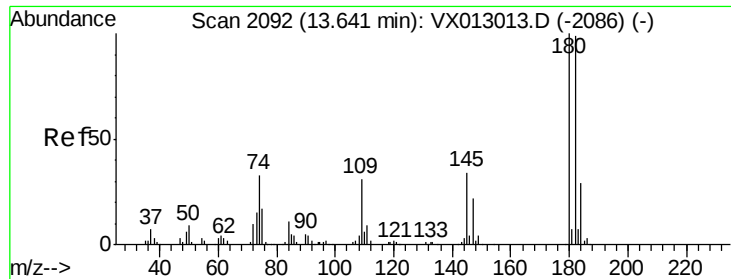
MMDadoda
 10/14/2019 10:39:50 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.952 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX013035.D
 Acq: 11 Oct 2019 22:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.6	43.0	128.8
157	102.6	54.1	162.3





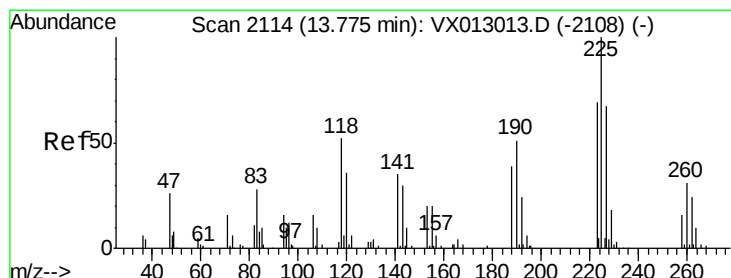
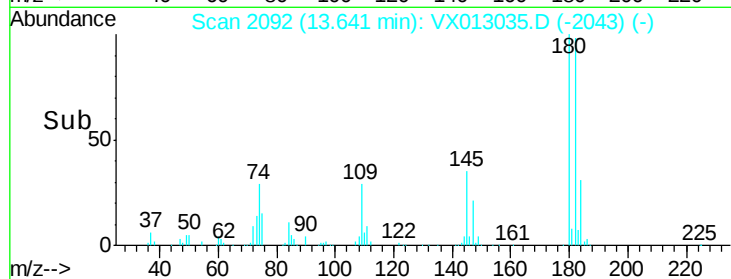
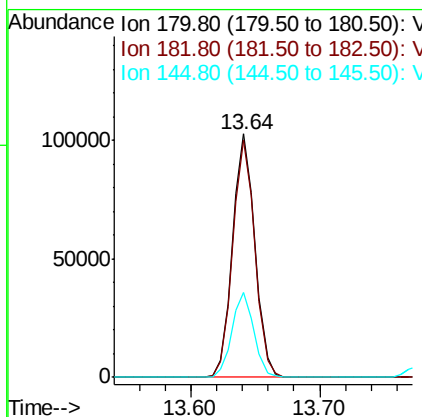
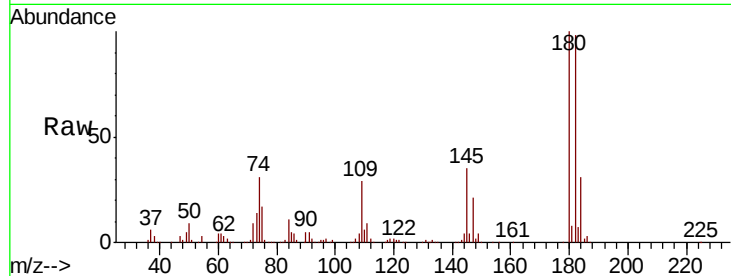
#93
 1,2,4-Trichlorobenzene
 Concen: 54.538 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX013035.D
 Acq: 11 Oct 2019 22:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	124821		
182	96.9	46.8	140.4	
145	34.3	16.2	48.6	

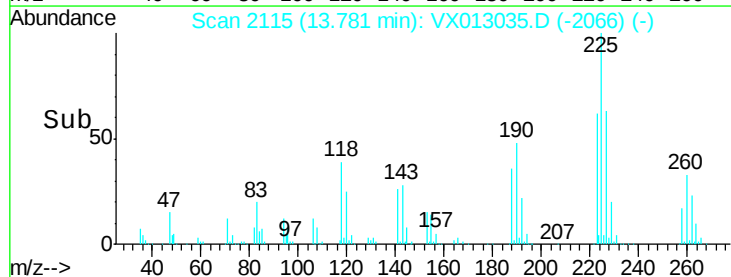
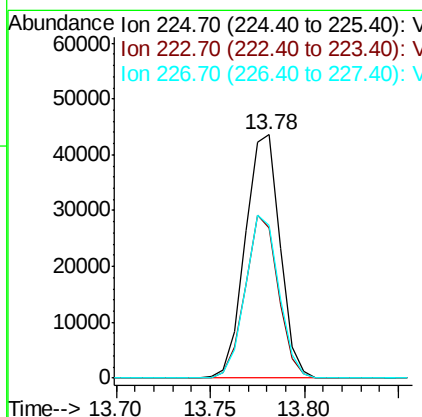
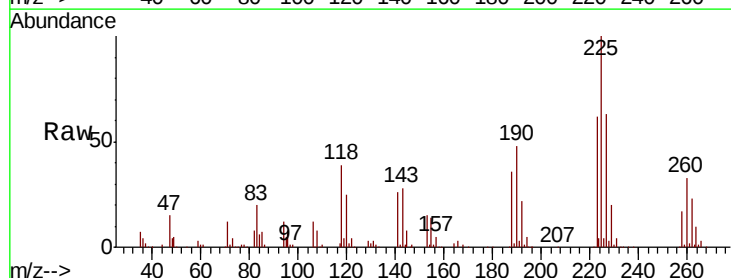
Manual Integrations
 APPROVED

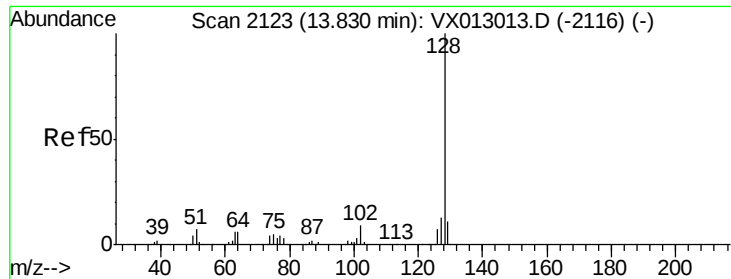
MMDadoda
 10/14/2019 10:39:50 AM



#94
 Hexachlorobutadiene
 Concen: 52.840 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VX013035.D
 Acq: 11 Oct 2019 22:33

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	55811		
223	63.6	31.1	93.2	
227	64.5	32.3	96.9	





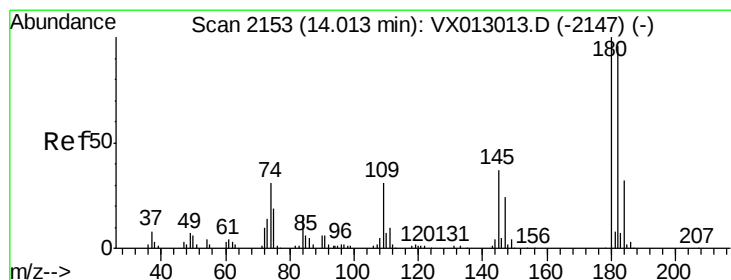
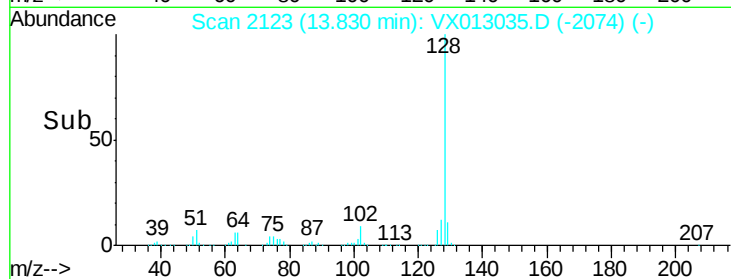
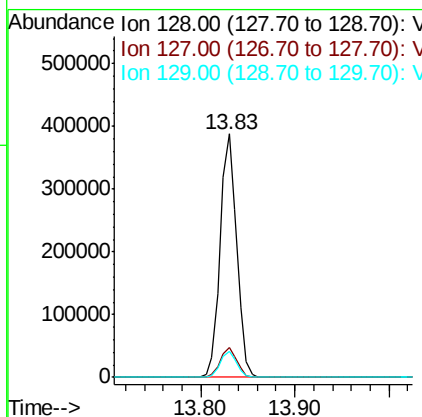
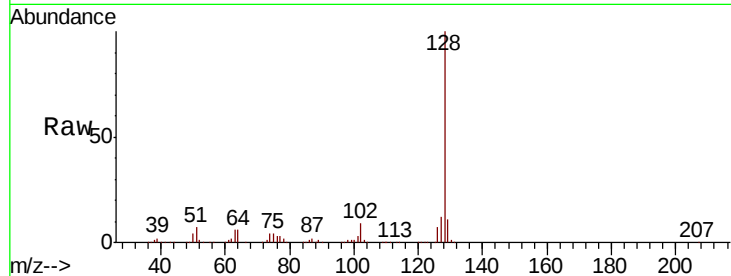
#95
Naphthalene
Concen: 59.435 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX013035.D
Acq: 11 Oct 2019 22:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.2	15.4
129	10.7	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
10/14/2019 10:39:50 AM



#96
1,2,3-Trichlorobenzene
Concen: 54.726 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX013035.D
Acq: 11 Oct 2019 22:33

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.5	142.5
145	35.7	17.4	52.3

