

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102119\
 Data File : VX013156.D
 Acq On : 21 Oct 2019 16:54
 Operator : JC/SP
 Sample : VX1021WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX1021WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/22/2019 12:31:58 PM

Quant Time: Oct 22 02:14:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X102119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 22 01:53:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.00	128	34976	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	199594	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	180423	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	80796	29.34	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.80%
60) 4-Bromofluorobenzene	11.14	95	92994	29.60	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.67%
63) Toluene-d8	8.71	98	243549	30.35	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.17%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	48285	19.228	ug/l 100
3) Chloromethane	1.32	50	43503	19.871	ug/l 96
4) Vinyl Chloride	1.40	62	43908	19.399	ug/l 96
5) Bromomethane	1.63	94	25033	20.495	ug/l 99
6) Chloroethane	1.72	64	27474	19.021	ug/l 94
7) Trichlorofluoromethane	1.92	101	69315	19.056	ug/l 97
8) Diethyl Ether	2.18	74	24478	19.716	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	2.37	101	42648	19.196	ug/l 98
10) 1,1-Dichloroethene	2.36	96	41004	19.110	ug/l 96
11) Methyl Iodide	2.50	142	45020	16.291	ug/l 99
12) Methyl Acetate	2.76	43	54409	19.637	ug/l 97
13) Acrolein	2.28	56	37001	89.710	ug/l 99
14) Acrylonitrile	3.13	53	112881	97.416	ug/l 98
15) Acetone	2.43	58	38938	101.995	ug/l 93
16) Carbon Disulfide	2.56	76	106323	18.556	ug/l 97
17) Allyl chloride	2.72	41	65756	19.266	ug/l 98
18) Methylene Chloride	2.84	84	47228	19.010	ug/l 97
19) trans-1,2-Dichloroethene	3.16	96	43795	19.235	ug/l 98
20) Diisopropyl ether	3.84	45	129911	19.680	ug/l 95
21) 1,1-Dichloroethane	3.69	63	77258	19.276	ug/l 99
22) cis-1,2-Dichloroethene	4.58	96	50058	19.280	ug/l 99
23) tert-Butyl Alcohol	3.03	59	57581	94.319	ug/l # 100
24) Methyl tert-Butyl Ether	3.18	73	144194	19.486	ug/l 97
25) Chloroform	5.20	83	80021	18.999	ug/l 99
26) Cyclohexane	5.56	56	67684	19.246	ug/l # 98
29) 1,1-Dichloropropene	5.79	75	58988	19.024	ug/l # 84
30) 2-Butanone	4.65	43	162797	100.093	ug/l 99
31) 2,2-Dichloropropane	4.57	77	70367	19.629	ug/l 97
32) 1,1,1-Trichloroethane	5.48	97	70328	18.744	ug/l 100
33) Carbon Tetrachloride	5.78	117	61776	19.156	ug/l 98
34) Benzene	6.13	78	176139	19.732	ug/l 98
35) Methacrylonitrile	5.03	41	32826	19.680	ug/l 95
36) 1,2-Dichloroethane	6.18	62	65456	19.398	ug/l 100
37) Trichloroethene	7.20	130	49160	19.855	ug/l 99
38) Methylcyclohexane	7.45	83	74920	19.812	ug/l 99
39) 1,2-Dichloropropane	7.51	63	44026	20.094	ug/l 98
40) Dibromomethane	7.65	93	30639	19.578	ug/l 100

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 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Manual Integrations
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Quant Time: Oct 22 02:14:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X102119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 22 01:53:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	60992	19.328	ug/l	97
42) Vinyl Acetate	3.80	43	563155	99.848	ug/l	100
43) Ethyl Acetate	4.82	43	60482	20.388	ug/l	98
44) Isopropyl Acetate	6.43	43	98648	19.786	ug/l	100
45) 1,4-Dioxane	7.73	88	25378	402.492	ug/l	99
46) Methyl methacrylate	7.76	41	48004	19.567	ug/l	90
47) n-amyl Acetate	10.89	43	82491	19.628	ug/l	97
48) t-1,3-Dichloropropene	9.04	75	67092	19.382	ug/l	95
49) cis-1,3-Dichloropropene	8.43	75	74017	19.652	ug/l	96
50) 1,1,2-Trichloroethane	9.21	97	45956	19.884	ug/l	98
51) Ethyl methacrylate	9.17	69	72056	19.884	ug/l	96
52) 1,3-Dichloropropane	9.37	76	76341	19.615	ug/l	100
53) Dibromochloromethane	9.57	129	47151	18.913	ug/l	99
54) 1,2-Dibromoethane	9.67	107	48353	19.567	ug/l	100
55) 2-Chloroethyl vinyl ether	8.31	63	160323	108.910	ug/l	99
56) Bromoform	10.85	173	33487	18.933	ug/l	99
58) 4-Methyl-2-Pentanone	8.64	43	300458	98.829	ug/l	100
59) 2-Hexanone	9.48	43	234172	98.283	ug/l	99
61) Tetrachloroethene	9.33	164	48190	20.147	ug/l	98
62) Toluene	8.78	91	191079	19.618	ug/l	100
64) Chlorobenzene	10.14	112	123261	19.738	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.21	131	45083	19.271	ug/l	99
66) Ethyl Benzene	10.25	91	217935	19.441	ug/l	98
67) m/p-Xylenes	10.35	106	164494	38.610	ug/l	98
68) o-Xylene	10.70	106	79316	19.502	ug/l	94
69) Styrene	10.71	104	137671	19.670	ug/l	99
70) Isopropylbenzene	11.01	105	216012	19.356	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.26	83	66672	19.496	ug/l	99
72) 1,2,3-Trichloropropane	11.29	75	63095m	21.243	ug/l	
73) Bromobenzene	11.25	156	51816	19.347	ug/l	97
74) n-propylbenzene	11.35	91	238677	19.485	ug/l	100
75) 2-Chlorotoluene	11.42	91	145642	19.002	ug/l	98
76) 1,3,5-Trimethylbenzene	11.50	105	180543	19.272	ug/l	96
77) t-1,4-Dichloro-2-butene	11.07	75	20538	17.809	ug/l	98
78) 4-Chlorotoluene	11.51	91	162341	18.536	ug/l	100
79) tert-butylbenzene	11.76	119	172983	19.176	ug/l	96
80) 1,2,4-Trimethylbenzene	11.80	105	183878	19.648	ug/l	100
81) sec-Butylbenzene	11.94	105	201518	18.752	ug/l	98
82) p-Isopropyltoluene	12.06	119	187220	19.054	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	90895	18.584	ug/l	98
84) 1,4-Dichlorobenzene	12.09	146	91894	18.997	ug/l	98
85) n-Butylbenzene	12.39	91	159312	19.088	ug/l	99
86) Hexachloroethane	12.59	117	32044	18.685	ug/l	94
87) 1,2-Dichlorobenzene	12.39	146	91821	19.353	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.99	75	16003	18.991	ug/l	99
89) 1,2,4-Trichlorobenzene	13.64	180	55610	18.846	ug/l	97
90) Hexachlorobutadiene	13.78	225	27971	18.670	ug/l	96
91) Naphthalene	13.83	128	175982	18.335	ug/l	99
92) 1,2,3-Trichlorobenzene	14.01	180	58834	19.461	ug/l	94

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ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBS01

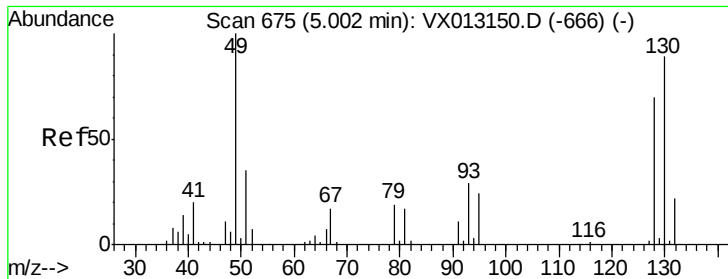
Manual Integrations
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Quant Time: Oct 22 02:14:05 2019
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QLast Update : Tue Oct 22 01:53:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



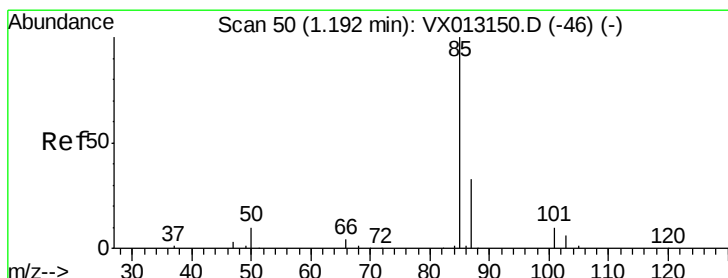
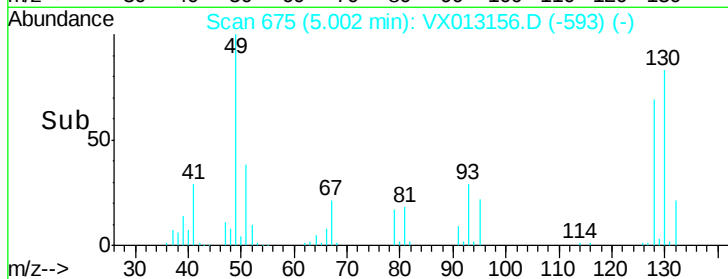
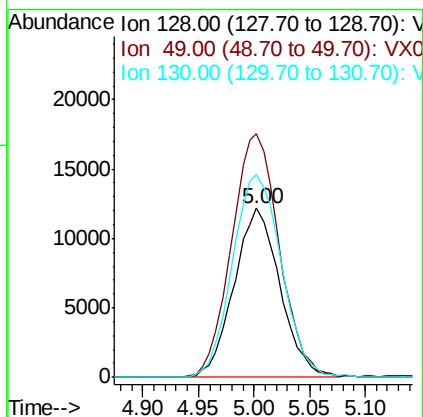
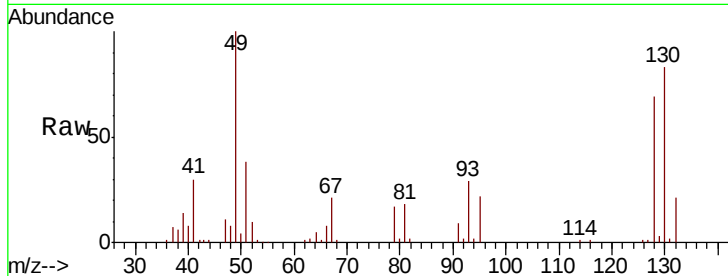
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 5.00 min Scan# 675
Delta R.T. -0.00 min
Lab File: VX013156.D
Acq: 21 Oct 2019 16:54

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
49	149.5	0.0	367.3
130	127.9	0.0	325.0

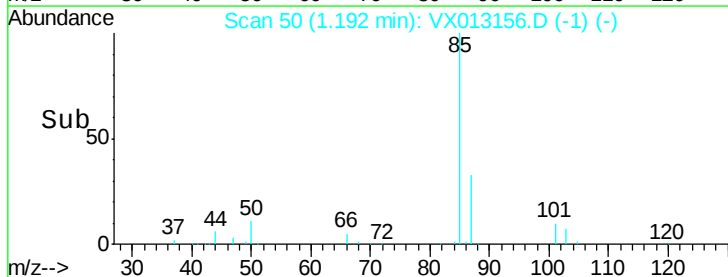
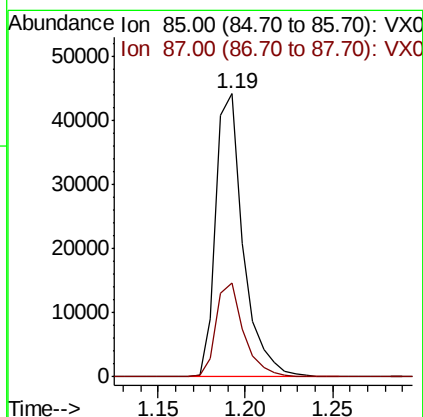
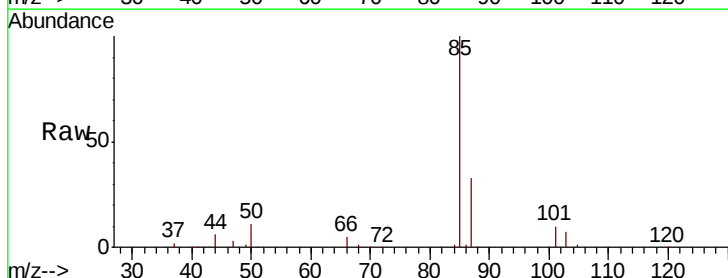
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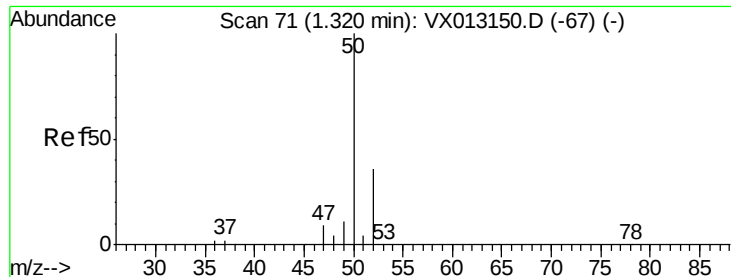
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#2
Dichlorodifluoromethane
Concen: 19.228 ug/l
RT: 1.19 min Scan# 50
Delta R.T. -0.00 min
Lab File: VX013156.D
Acq: 21 Oct 2019 16:54

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.3	16.6	49.7





#3

Chloromethane

Concen: 19.871 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX013156.D

Acq: 21 Oct 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

VX1021WBS01

Tot Ion: 50 Resp: 43503

Ion Ratio Lower Upper

50 100

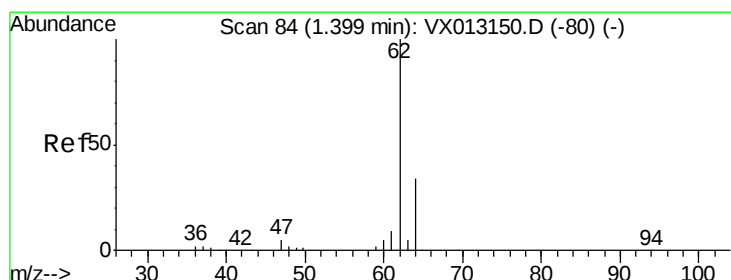
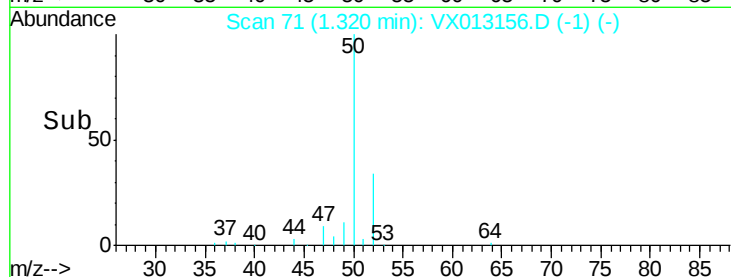
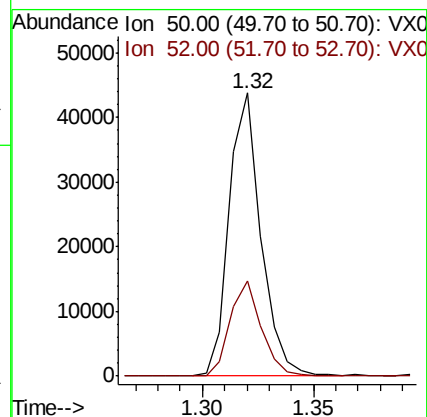
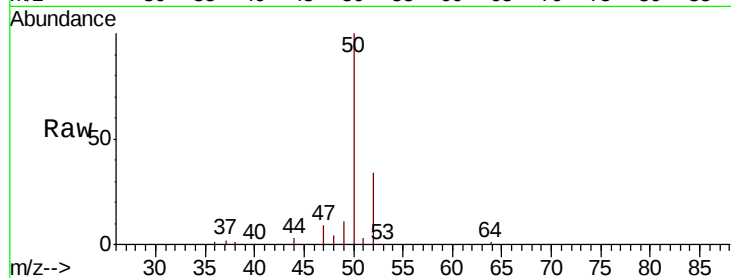
52 33.6 28.6 42.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.399 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013156.D

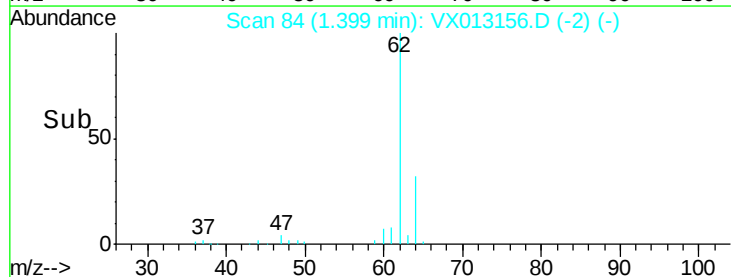
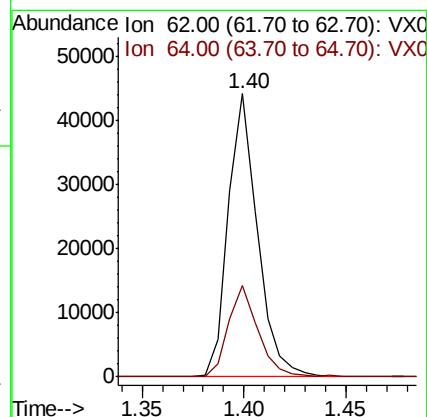
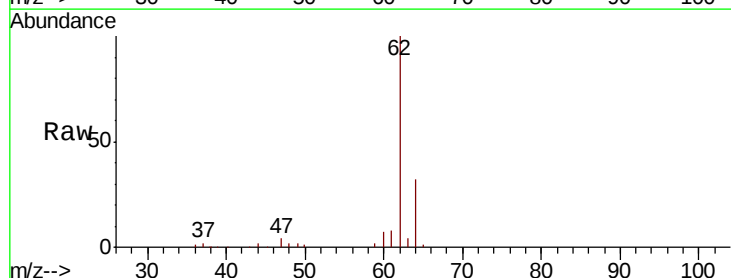
Acq: 21 Oct 2019 16:54

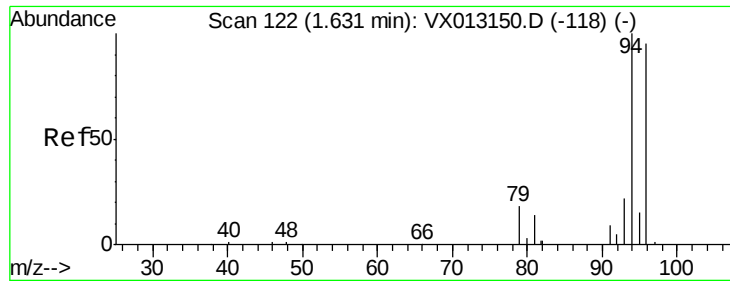
Tgt Ion: 62 Resp: 43908

Ion Ratio Lower Upper

62 100

64 32.1 27.3 40.9





#5

Bromomethane

Concen: 20.495 ug/l

RT: 1.63 min Scan# 122

Delta R.T. -0.00 min

Lab File: VX013156.D

Acq: 21 Oct 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

VX1021WBS01

Tot Ion: 94 Resp: 25033

Ion Ratio Lower Upper

94 100

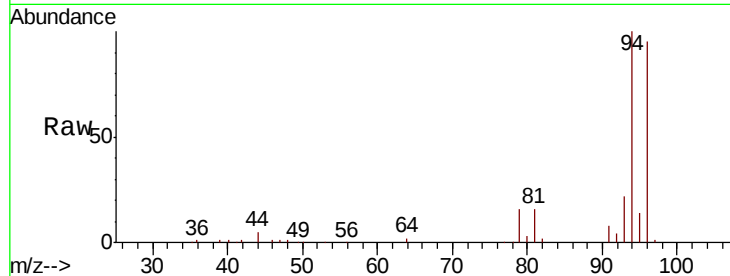
96 95.8 75.9 113.9

Manual Integrations

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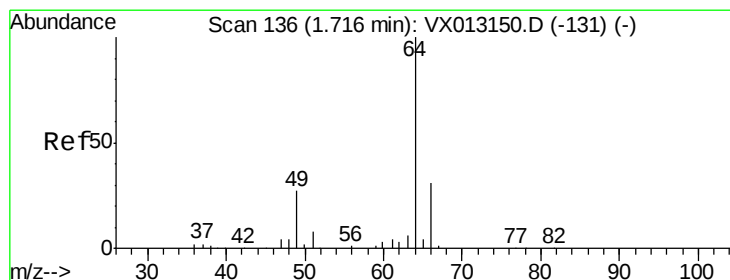
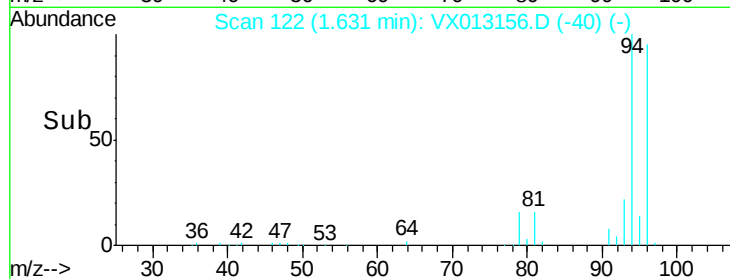
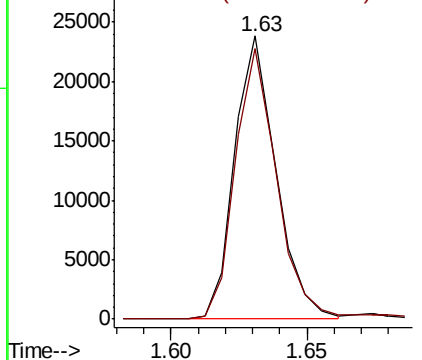
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Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 19.021 ug/l

RT: 1.72 min Scan# 136

Delta R.T. -0.00 min

Lab File: VX013156.D

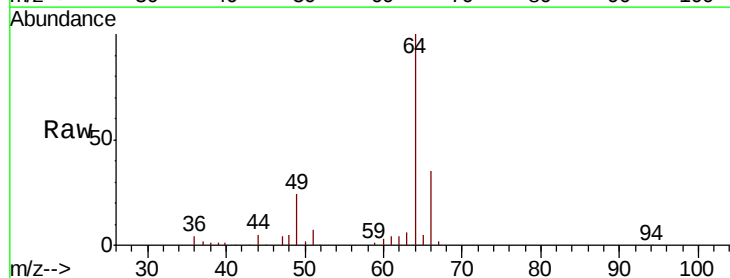
Acq: 21 Oct 2019 16:54

Tgt Ion: 64 Resp: 27474

Ion Ratio Lower Upper

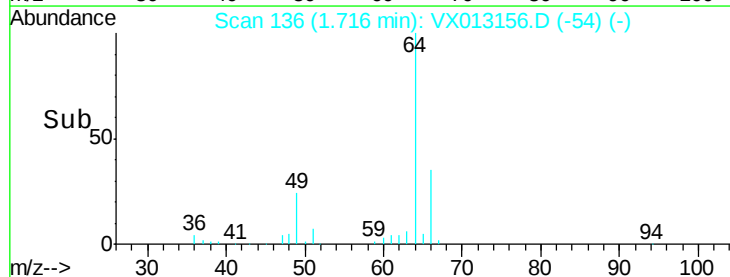
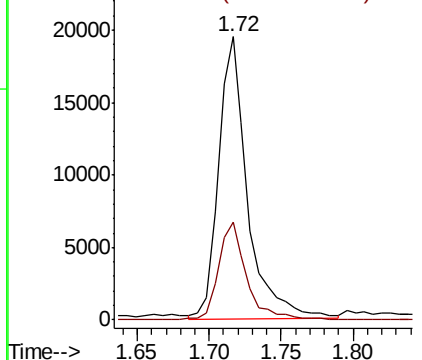
64 100

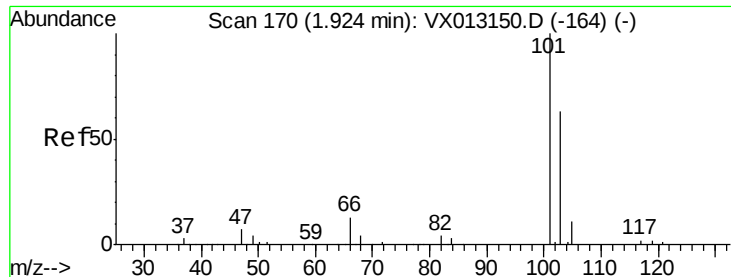
66 35.3 25.4 38.2



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0





#7

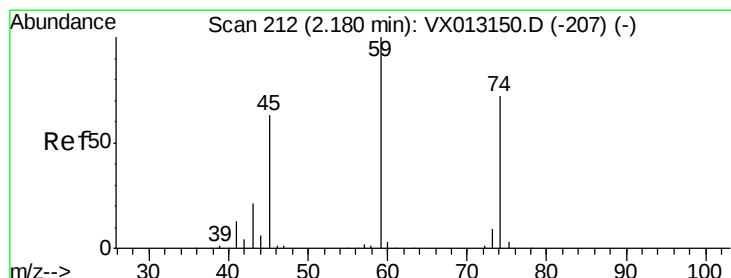
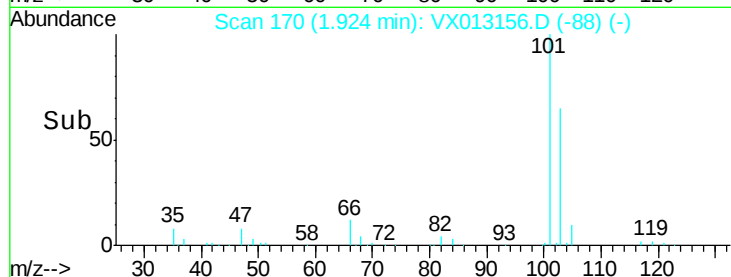
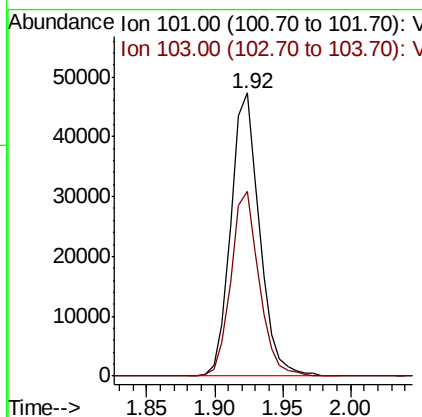
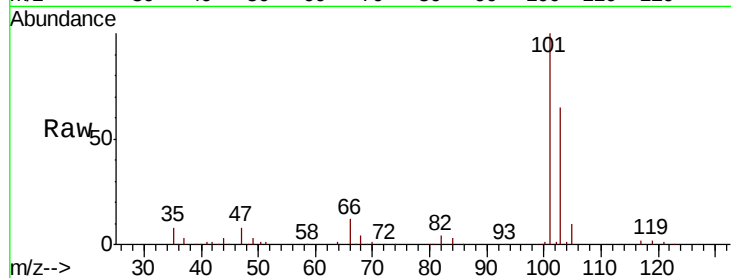
Trichlorofluoromethane
 Concen: 19.056 ug/l
 RT: 1.92 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX013156.D
 Acq: 21 Oct 2019 16:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1021WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	50.2	75.4

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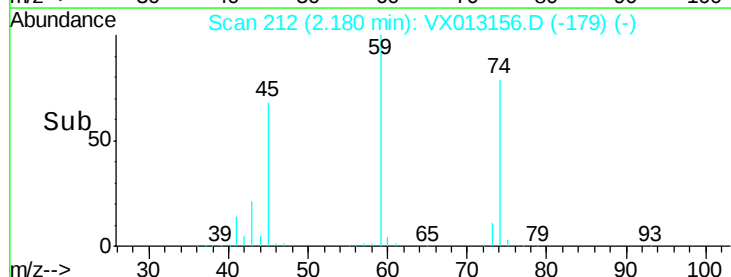
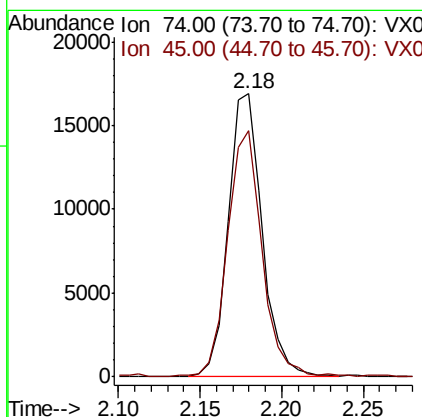
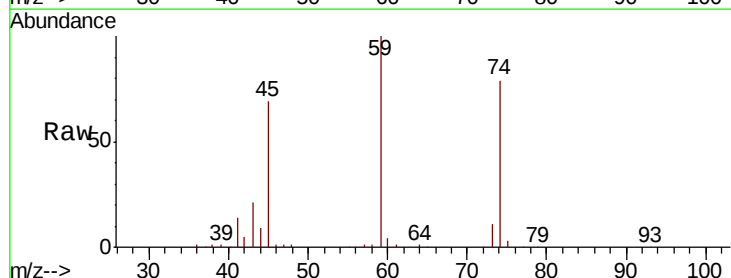
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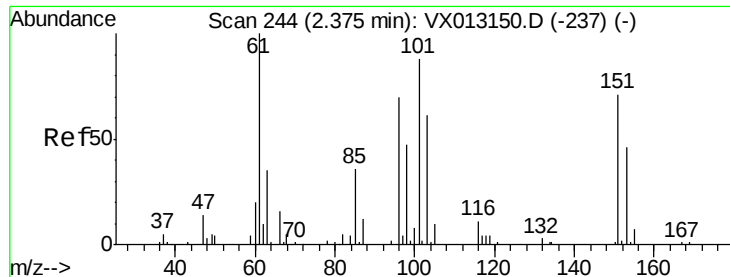


#8

Diethyl Ether
 Concen: 19.716 ug/l
 RT: 2.18 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX013156.D
 Acq: 21 Oct 2019 16:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	87.9	18.4	165.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.196 ug/l

RT: 2.37 min Scan# 244

Delta R.T. -0.00 min

Lab File: VX013156.D

Acq: 21 Oct 2019 16:54

Instrument :

MSVOA_X

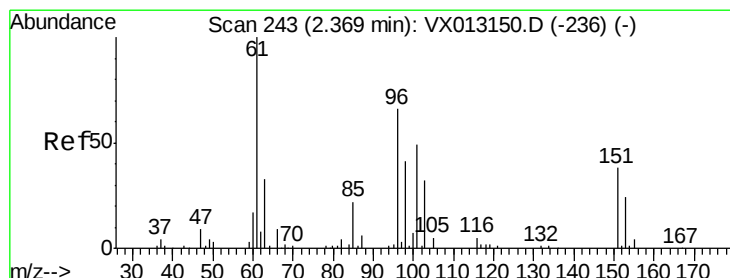
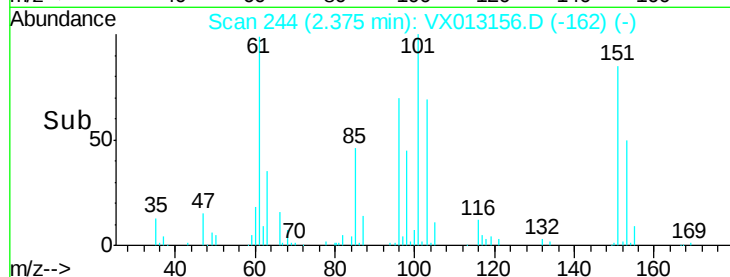
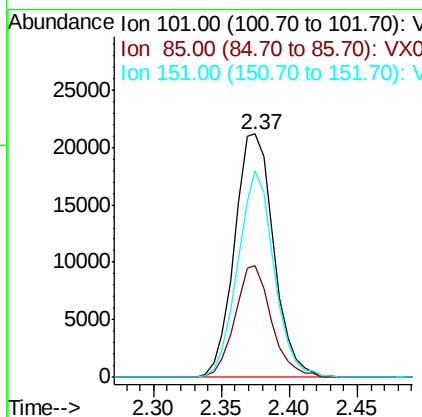
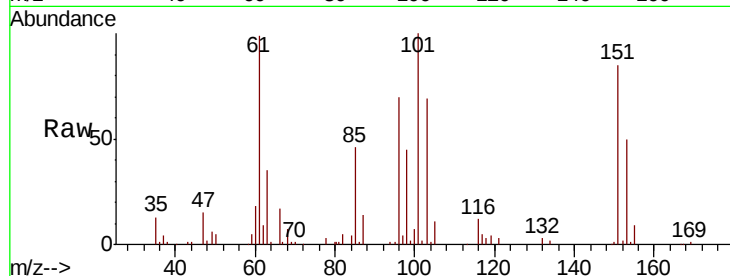
ClientSampleId :

VX1021WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
85	42.8	0.0	87.2
151	78.7	0.0	163.0

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 19.110 ug/l

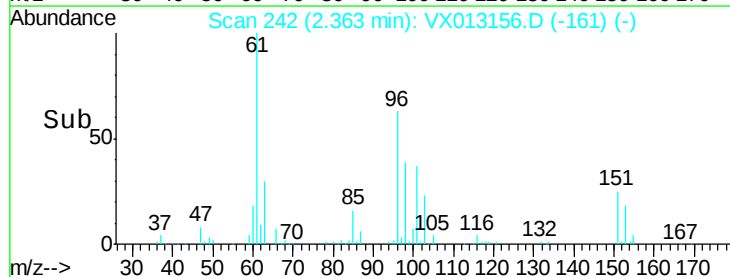
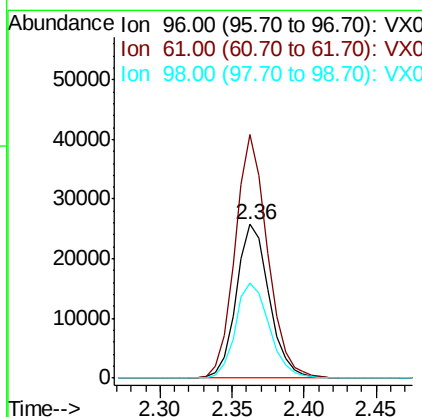
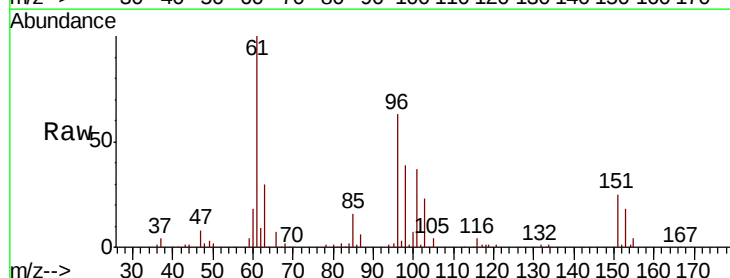
RT: 2.36 min Scan# 242

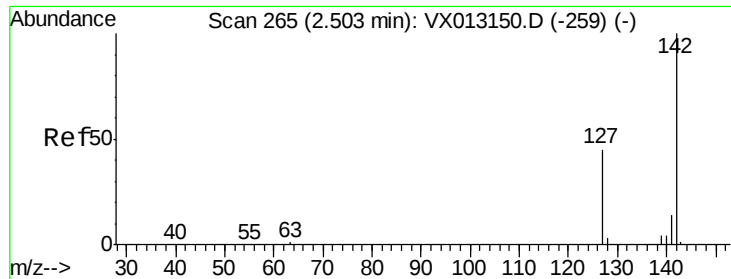
Delta R.T. -0.01 min

Lab File: VX013156.D

Acq: 21 Oct 2019 16:54

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.4	121.3	181.9
98	61.9	49.5	74.3





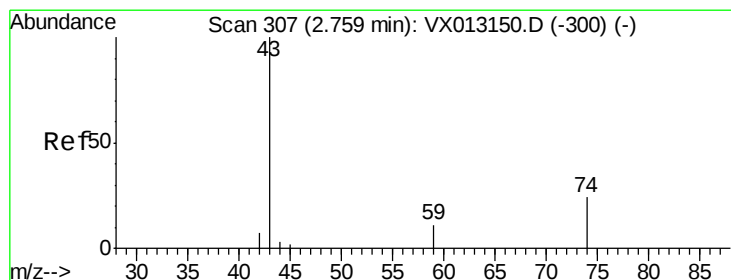
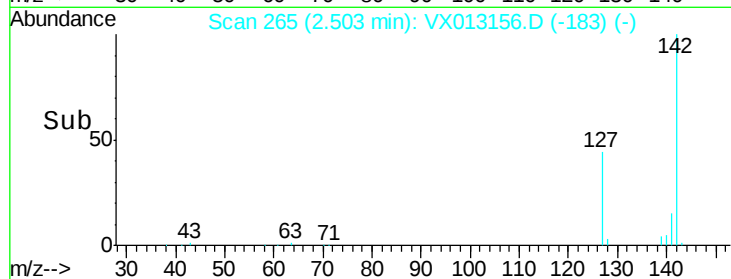
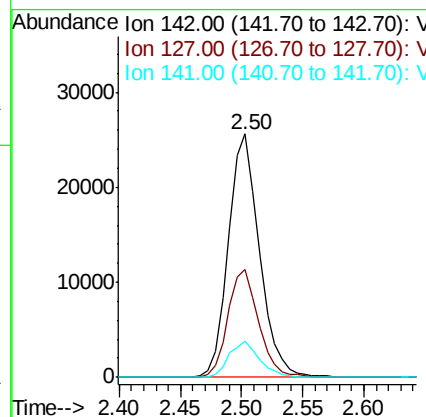
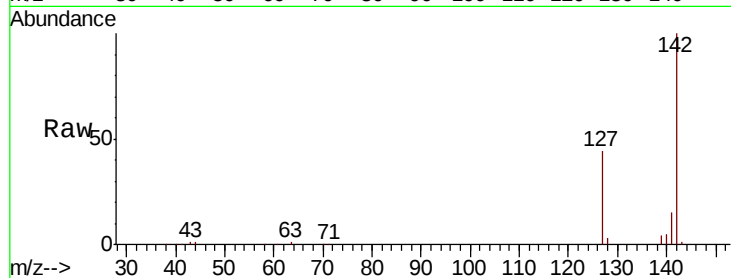
#11
Methyl Iodide
Concen: 16.291 ug/l
RT: 2.50 min Scan# 265
Delta R.T. -0.00 min
Lab File: VX013156.D
Acq: 21 Oct 2019 16:54

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBS01

Tot Ion	Ratio	Lower	Upper
142	100		
127	44.3	22.3	66.9
141	14.7	7.1	21.3

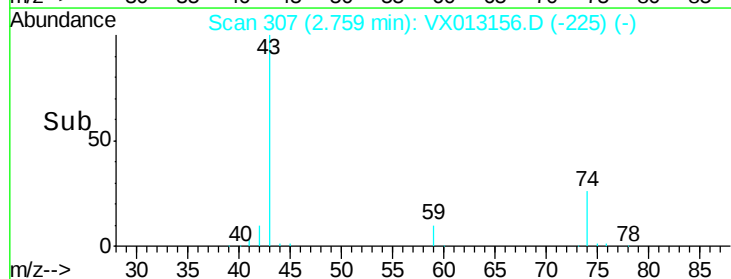
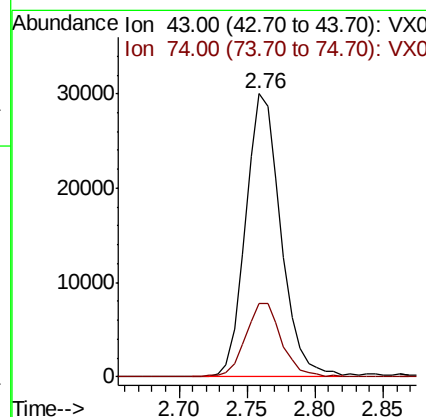
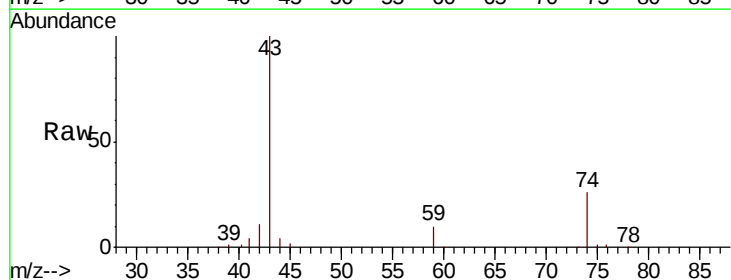
Manual Integrations
APPROVED

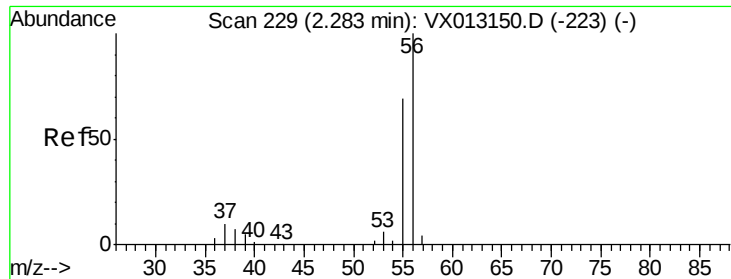
MMDadoda
10/22/2019 12:31:58 PM



#12
Methyl Acetate
Concen: 19.637 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.00 min
Lab File: VX013156.D
Acq: 21 Oct 2019 16:54

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.0	19.7	29.5





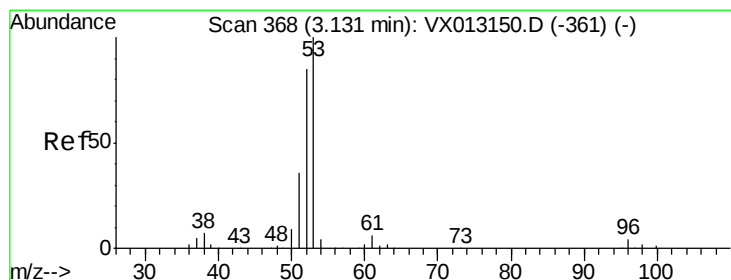
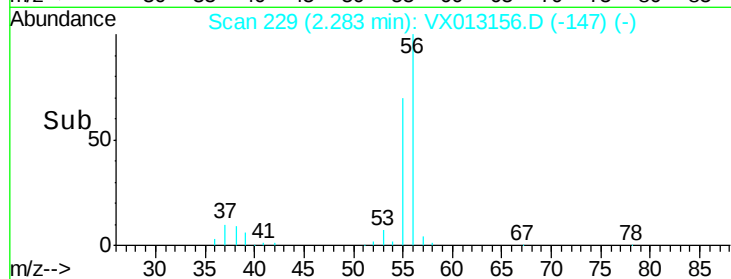
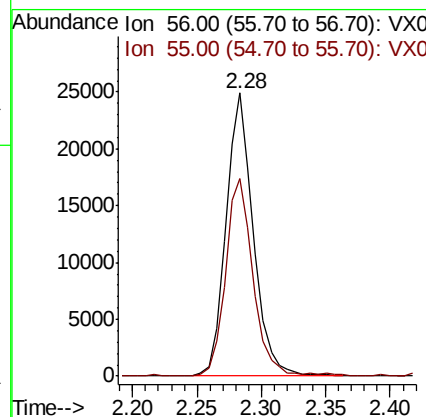
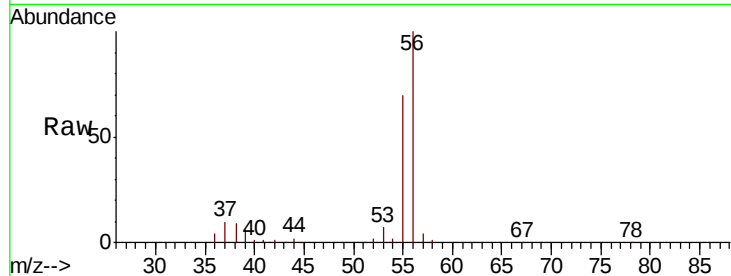
#13
Acrolein
Concen: 89.710 ug/l
RT: 2.28 min Scan# 229
Delta R.T. -0.00 min
Lab File: VX013156.D
Acq: 21 Oct 2019 16:54

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.3	55.8	83.8

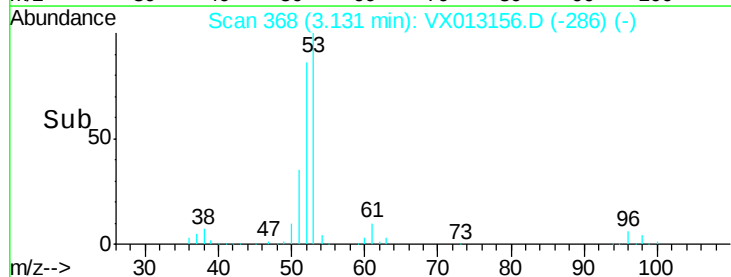
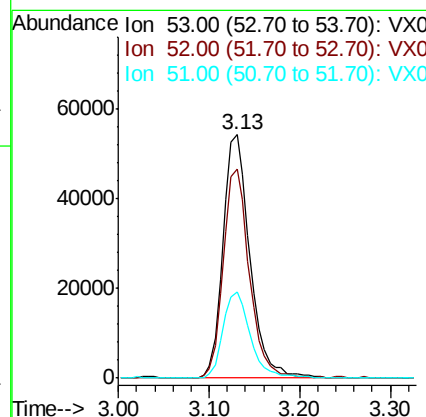
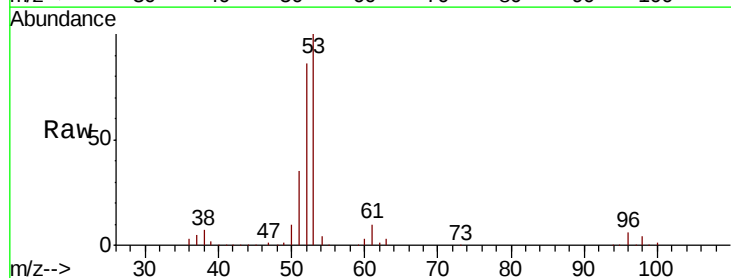
Manual Integrations
APPROVED

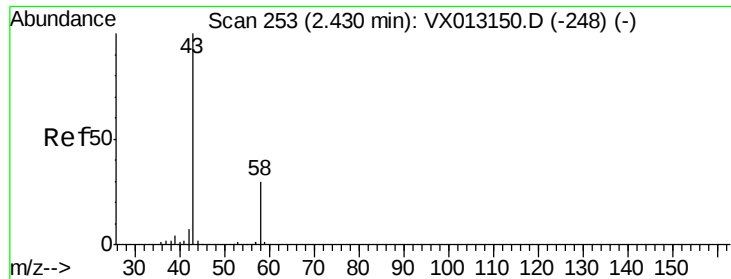
MMDadoda
10/22/2019 12:31:58 PM



#14
Acrylonitrile
Concen: 97.416 ug/l
RT: 3.13 min Scan# 368
Delta R.T. -0.00 min
Lab File: VX013156.D
Acq: 21 Oct 2019 16:54

Tgt Ion	Ratio	Lower	Upper
53	100		
52	83.2	42.0	126.0
51	35.5	18.6	56.0





#15

Acetone

Concen: 101.995 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX013156.D

Acq: 21 Oct 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

VX1021WBS01

Tot Ion: 58 Resp: 38938

Ion Ratio Lower Upper

58 100

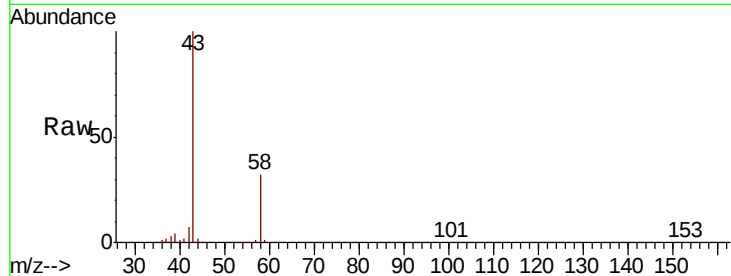
43 314.0 262.8 394.2

Manual Integrations

APPROVED

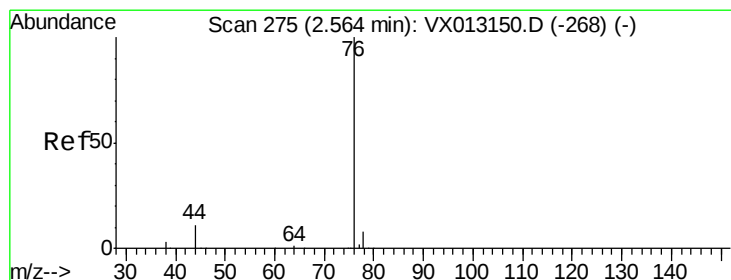
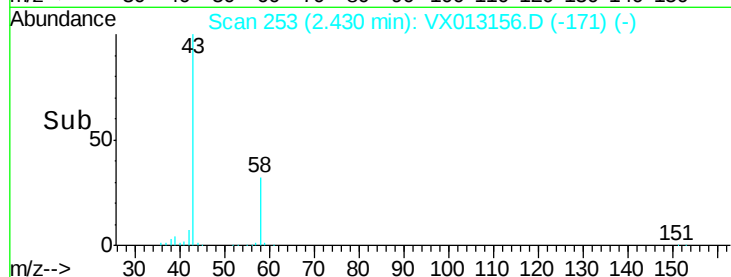
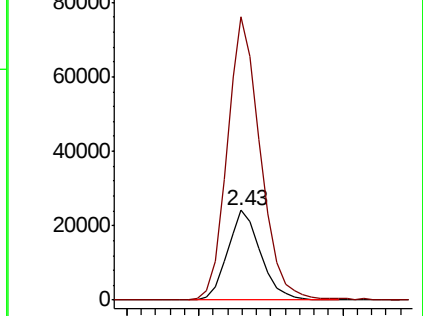
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Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 18.556 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.01 min

Lab File: VX013156.D

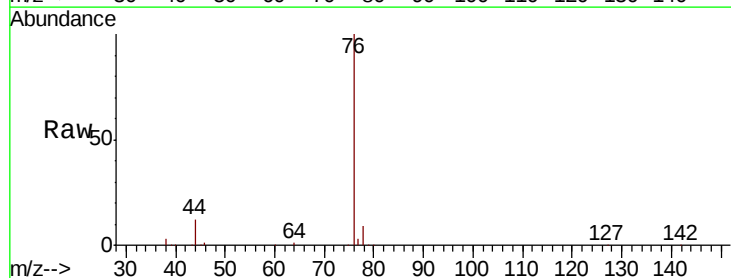
Acq: 21 Oct 2019 16:54

Tgt Ion: 76 Resp: 106323

Ion Ratio Lower Upper

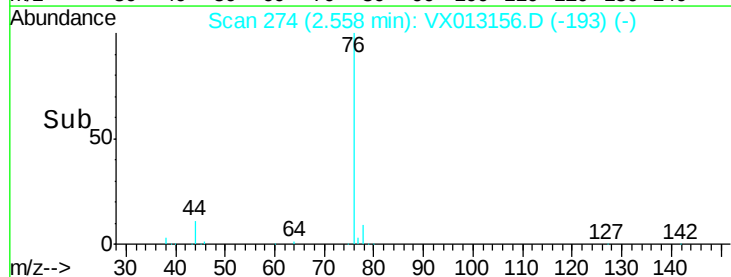
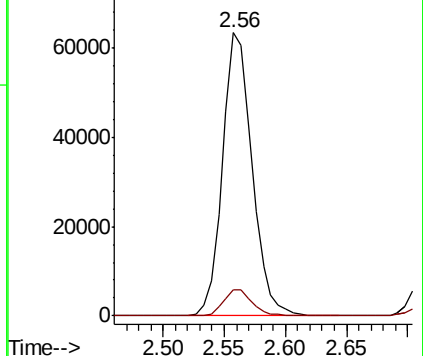
76 100

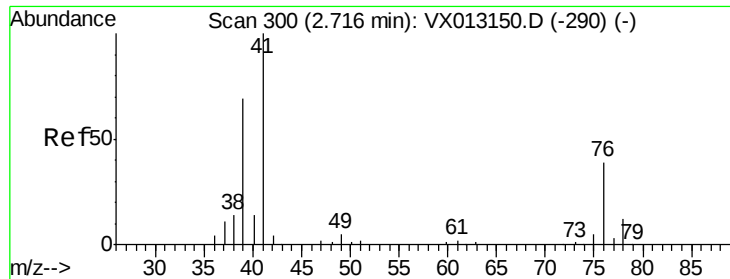
78 9.3 6.6 10.0



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





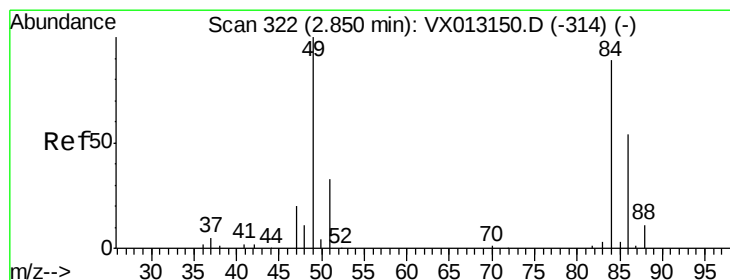
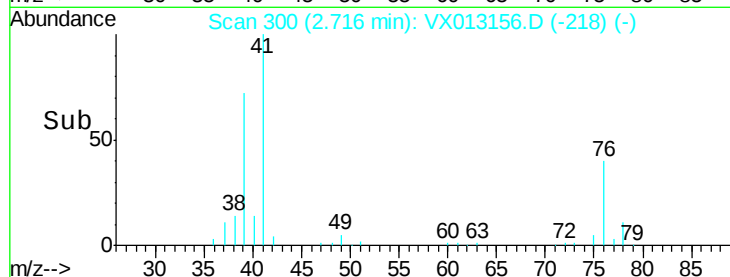
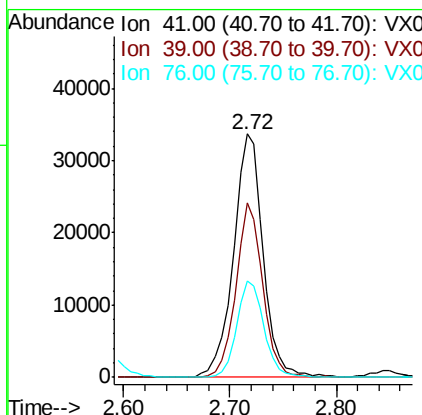
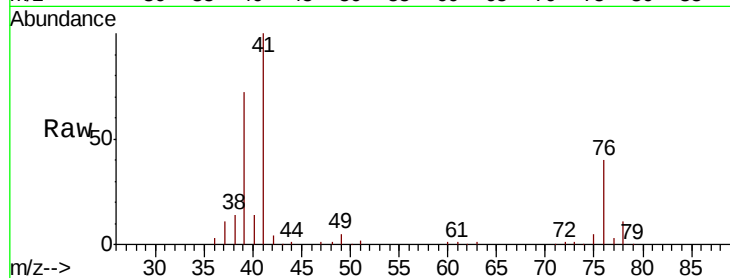
#17
Allvl chloride
Concen: 19.266 ug/l
RT: 2.72 min Scan# 300
Delta R.T. -0.00 min
Lab File: VX013156.D
Acq: 21 Oct 2019 16:54

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	71.7	34.7	104.1
76	39.7	19.7	59.0

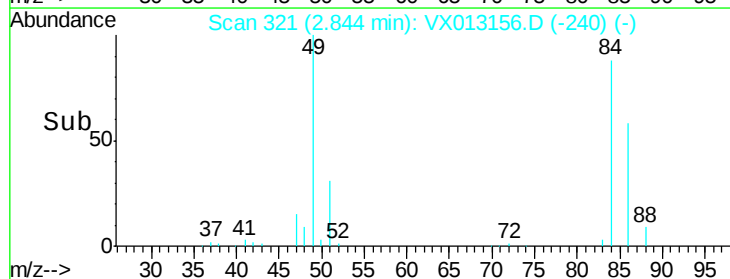
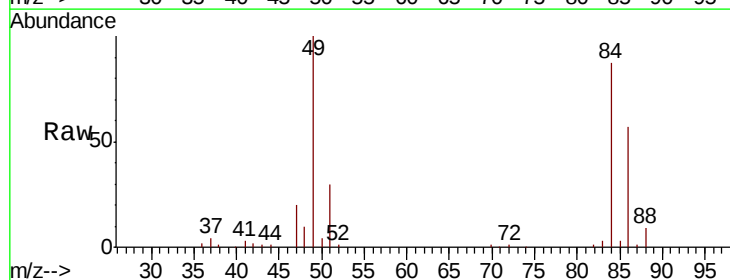
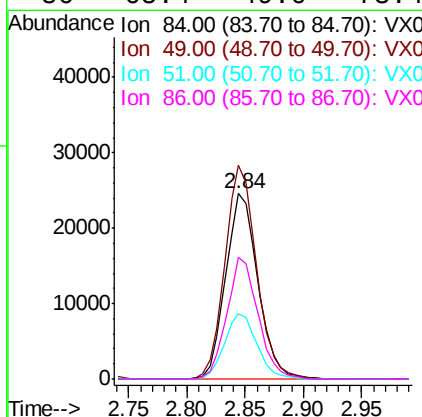
Manual Integrations
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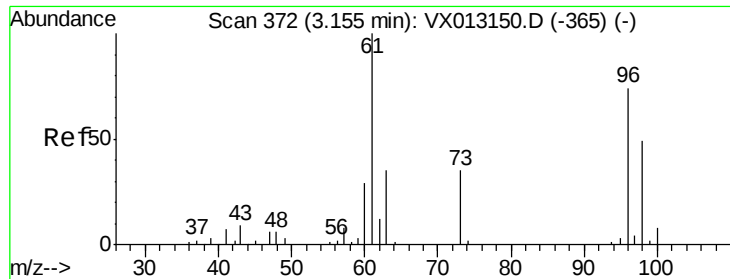
MMDadoda
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#18
Methylene Chloride
Concen: 19.010 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX013156.D
Acq: 21 Oct 2019 16:54

Tgt Ion	Ratio	Lower	Upper
84	100		
49	115.3	90.3	135.5
51	35.1	29.9	44.9
86	65.4	49.0	73.4





#19

trans-1,2-Dichloroethene

Concen: 19.235 ug/l

RT: 3.16 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX013156.D

Acq: 21 Oct 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

VX1021WBS01

Tot Ion: 96 Resp: 43795

Ion Ratio Lower Upper

96 100

61 131.5 108.6 162.8

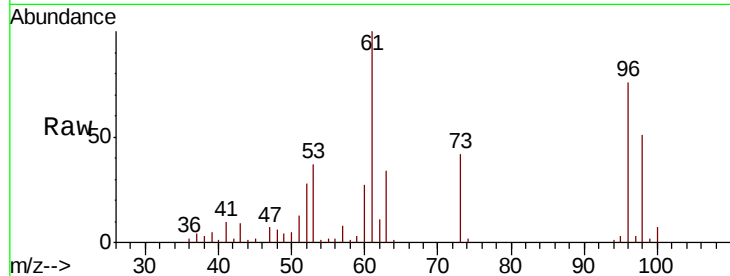
98 66.5 53.4 80.0

Manual Integrations

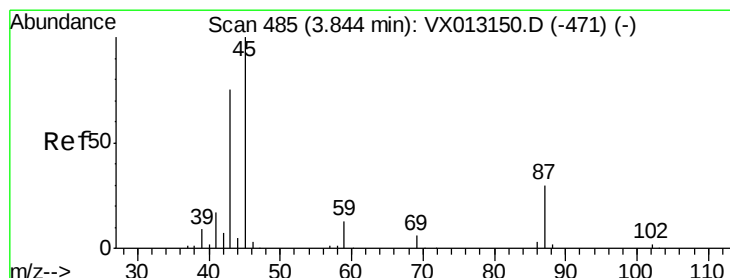
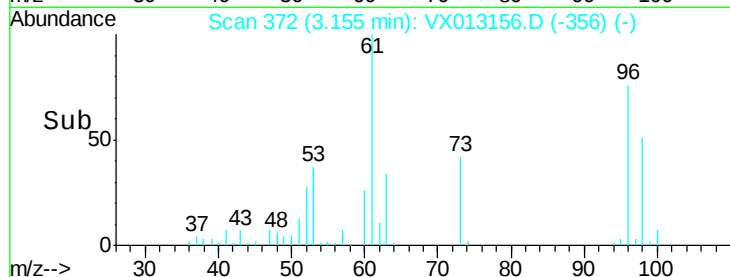
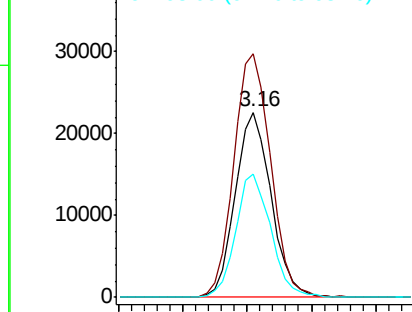
APPROVED

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Abundance Ion 96.00 (95.70 to 96.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 98.00 (97.70 to 98.70): VX0



#20

Diisopropyl ether

Concen: 19.680 ug/l

RT: 3.84 min Scan# 485

Delta R.T. -0.00 min

Lab File: VX013156.D

Acq: 21 Oct 2019 16:54

Tgt Ion: 45 Resp: 129911

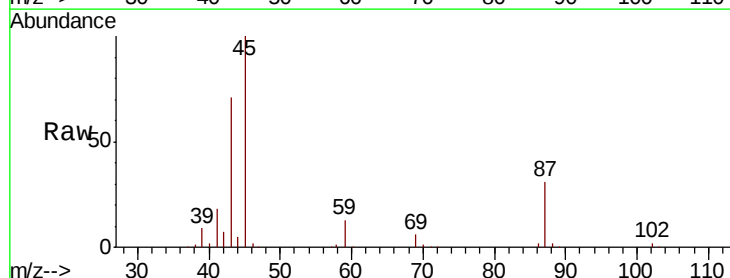
Ion Ratio Lower Upper

45 100

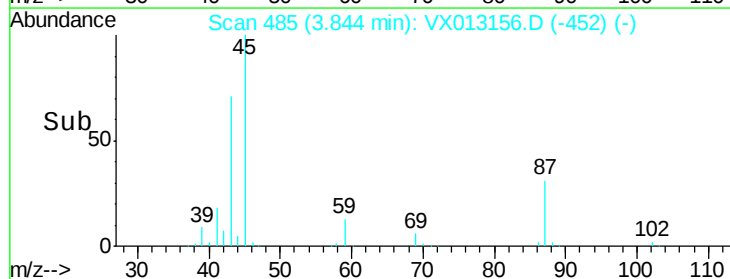
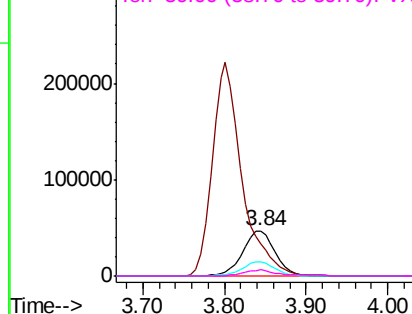
43 70.0 60.6 91.0

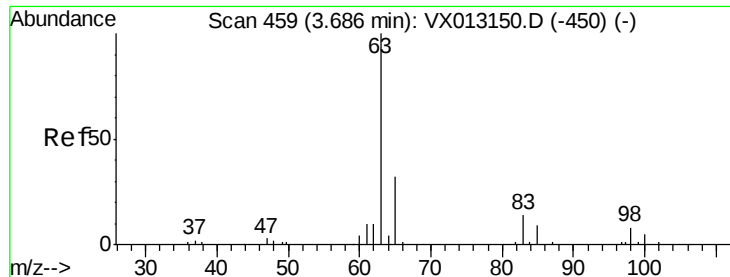
87 30.7 24.2 36.2

59 12.9 10.5 15.7



Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#21

1,1-Dichloroethane

Concen: 19.276 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX013156.D

Acq: 21 Oct 2019 16:54

Instrument :

MSVOA_X

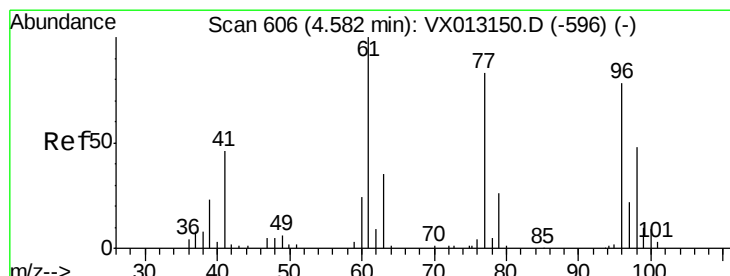
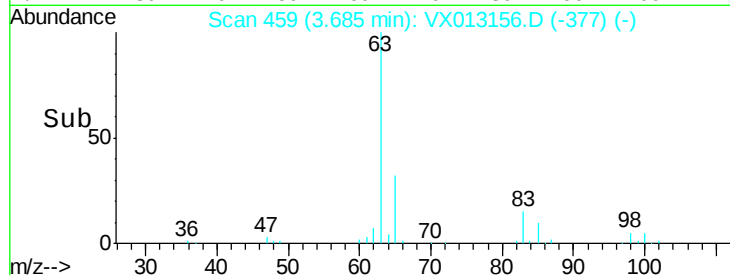
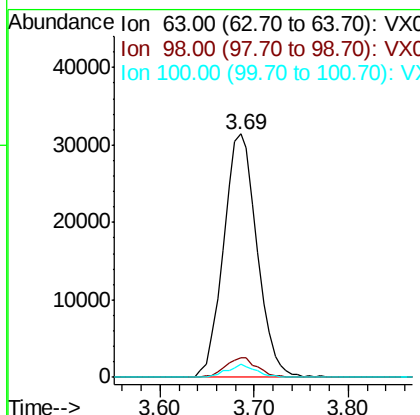
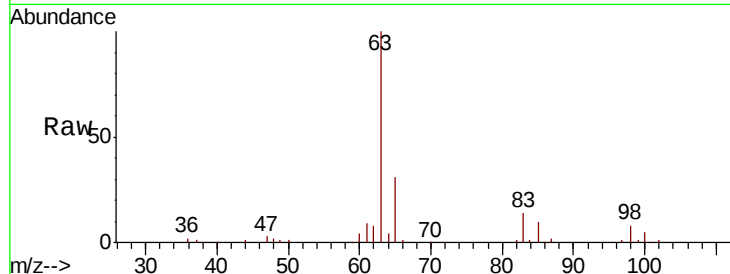
ClientSampleId :

VX1021WBS01

Tot Ion:	63	Resp:	77258
Ion Ratio	Lower	Upper	
63	100		
98	8.1	4.2	12.4
100	5.3	2.4	7.2

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 19.280 ug/l

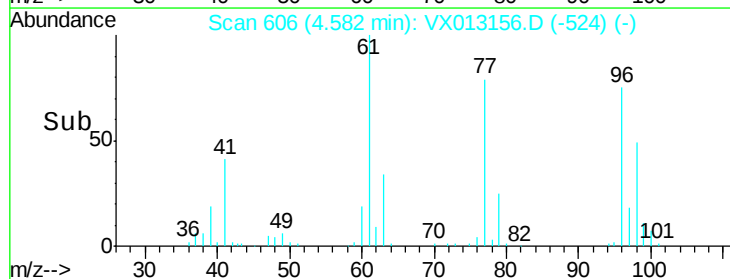
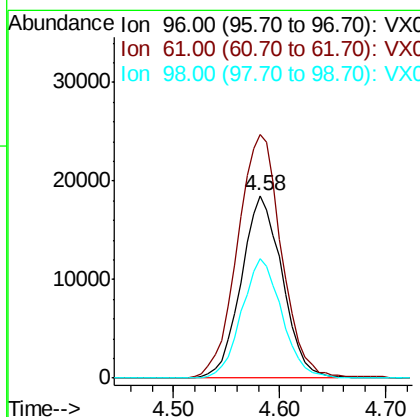
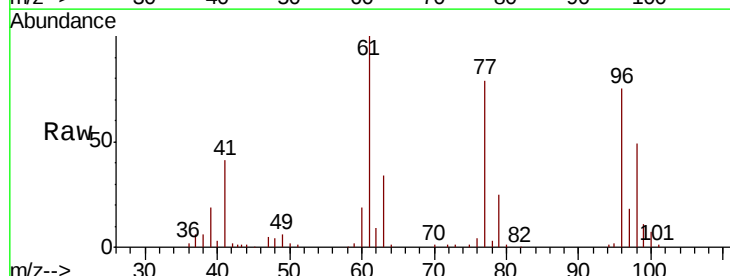
RT: 4.58 min Scan# 606

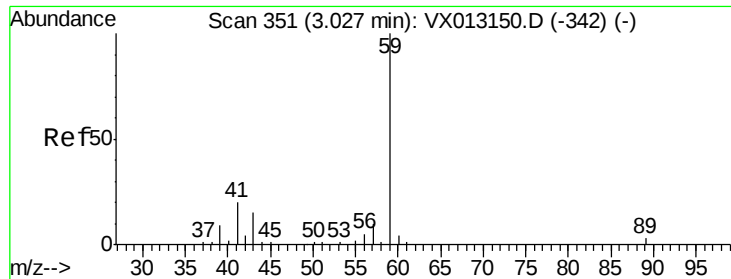
Delta R.T. -0.00 min

Lab File: VX013156.D

Acq: 21 Oct 2019 16:54

Tgt Ion:	96	Resp:	50058
Ion Ratio	Lower	Upper	
96	100		
61	142.7	112.5	168.7
98	64.0	51.2	76.8





#23

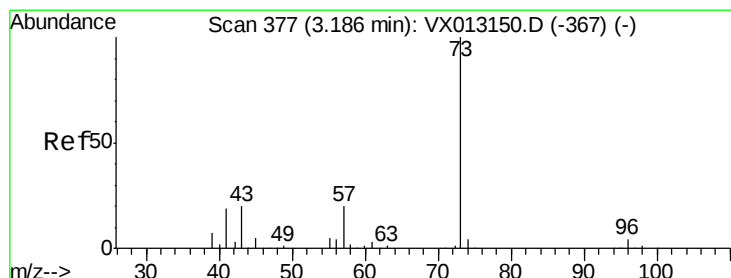
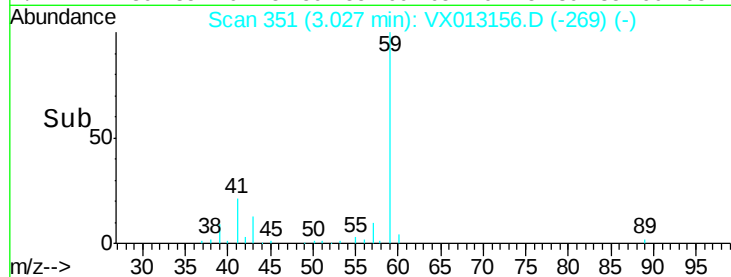
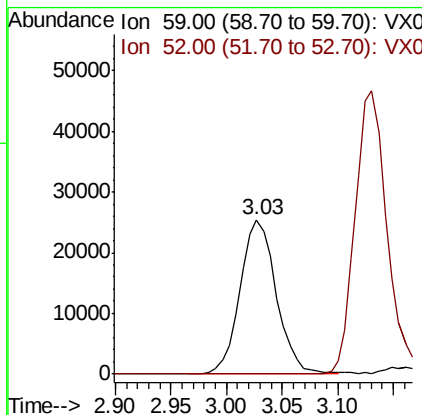
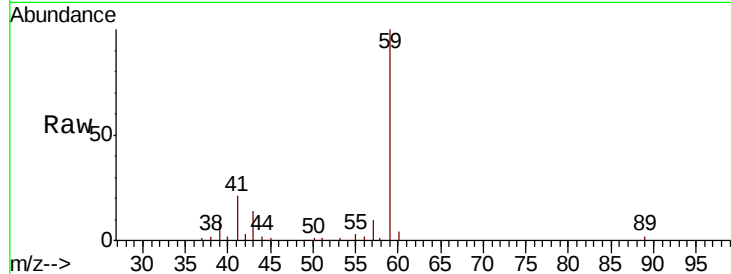
tert-Butyl Alcohol
 Concen: 94.319 ug/l
 RT: 3.03 min Scan# 351
 Delta R.T. -0.00 min
 Lab File: VX013156.D
 Acq: 21 Oct 2019 16:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1021WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.1	0.0	0.0#

Manual Integrations
 APPROVED

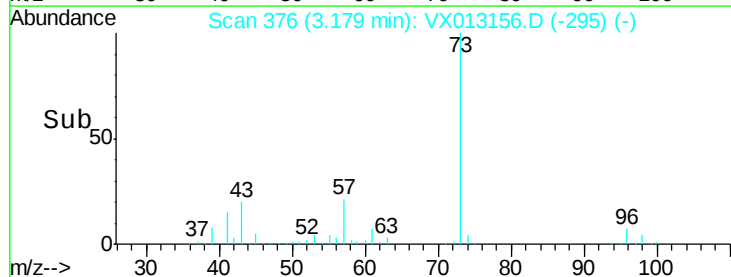
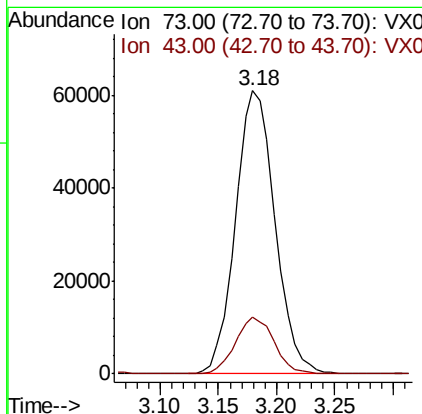
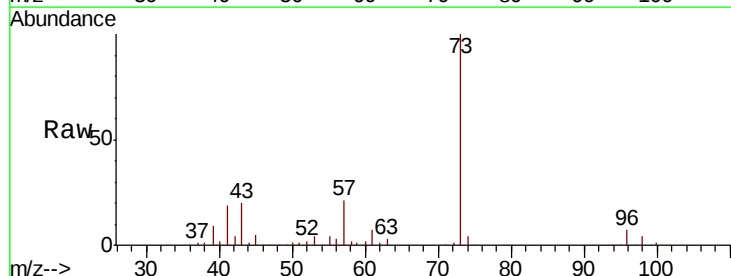
MMDadoda
 10/22/2019 12:31:58 PM

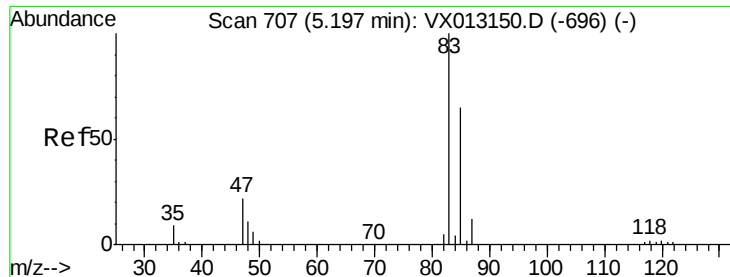


#24

Methyl tert-Butyl Ether
 Concen: 19.486 ug/l
 RT: 3.18 min Scan# 376
 Delta R.T. -0.01 min
 Lab File: VX013156.D
 Acq: 21 Oct 2019 16:54

Tgt Ion	Ratio	Lower	Upper
73	100		
43	19.9	17.1	25.7





#25

Chloroform

Concen: 18.999 ug/l

RT: 5.20 min Scan# 707

Delta R.T. -0.00 min

Lab File: VX013156.D

Acq: 21 Oct 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

VX1021WBS01

Tot Ion: 83 Resp: 80021

Ion Ratio Lower Upper

83 100

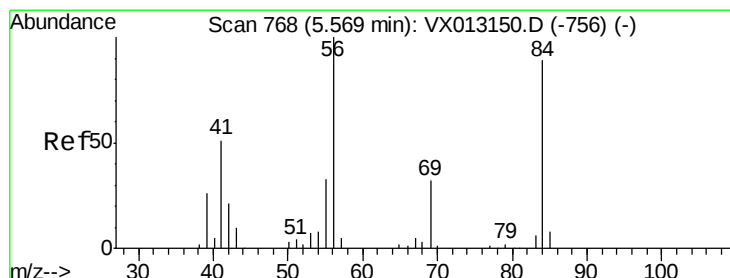
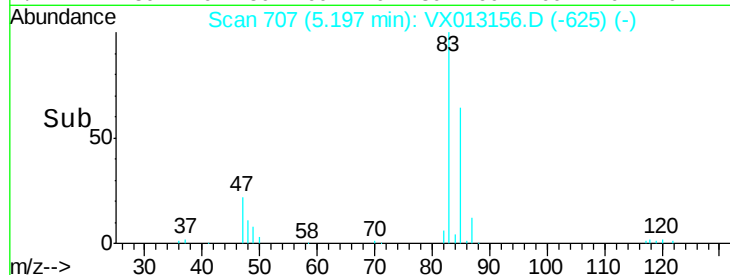
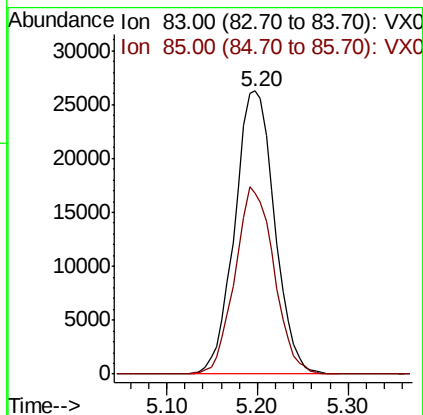
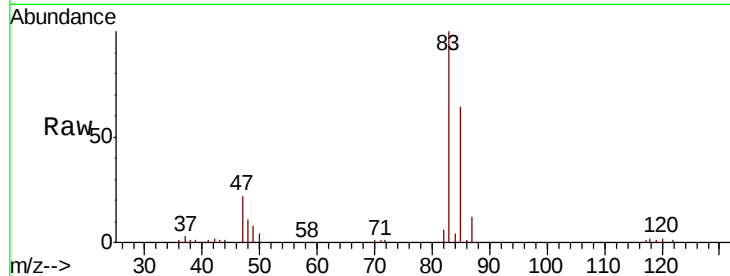
85 63.9 52.0 78.0

Manual Integrations

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#26

Cyclohexane

Concen: 19.246 ug/l

RT: 5.56 min Scan# 767

Delta R.T. -0.01 min

Lab File: VX013156.D

Acq: 21 Oct 2019 16:54

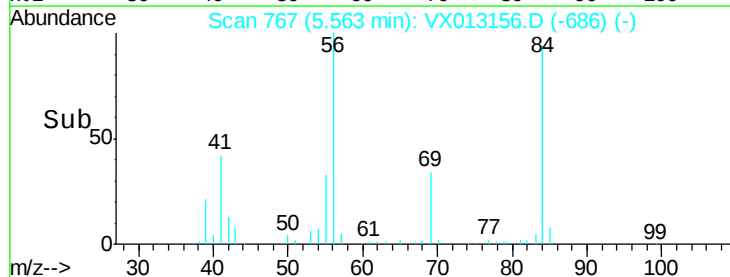
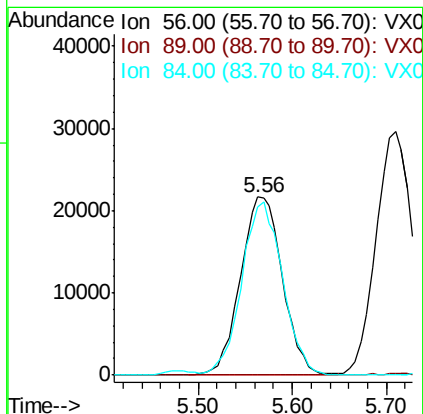
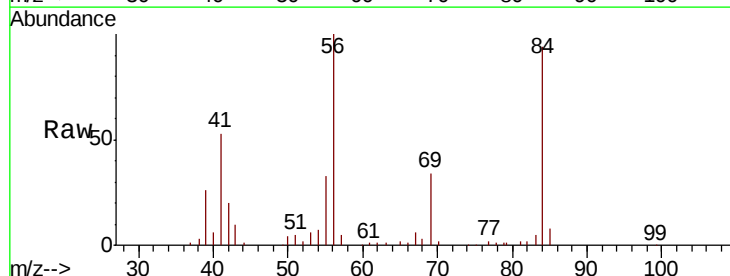
Tgt Ion: 56 Resp: 67684

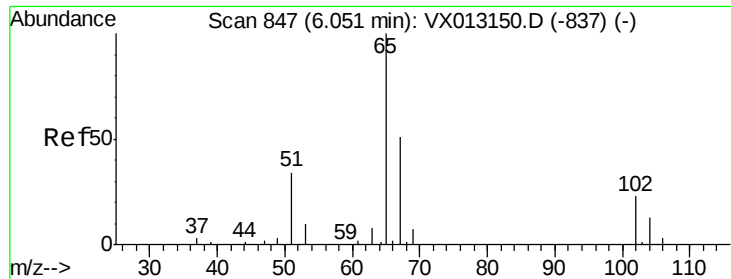
Ion Ratio Lower Upper

56 100

89 0.0 0.2 0.2#

84 94.5 74.0 111.0





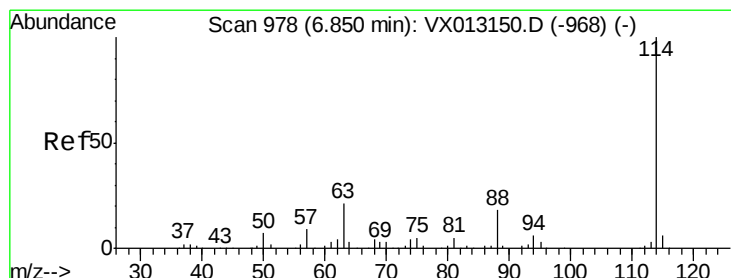
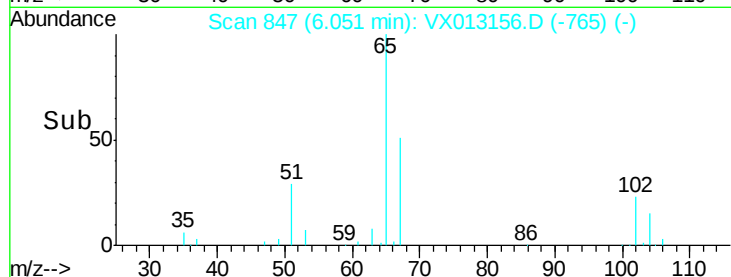
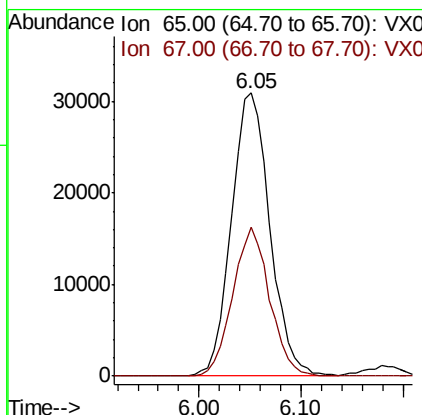
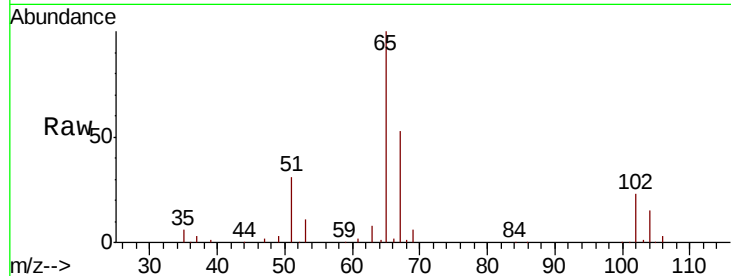
#27
 1,2-Dichloroethane-d4
 Concen: 29.345 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX013156.D
 Acq: 21 Oct 2019 16:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1021WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.3	42.2	63.4

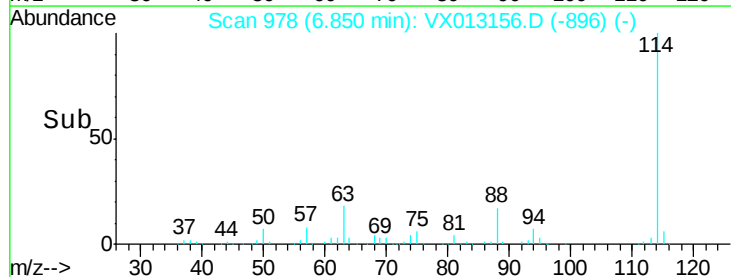
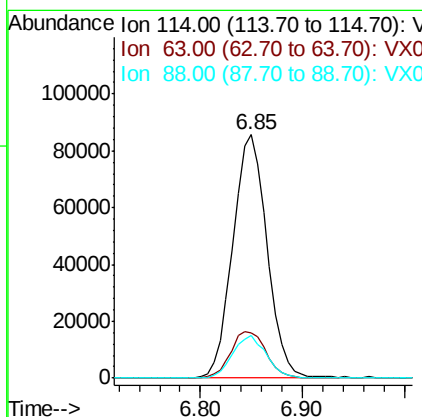
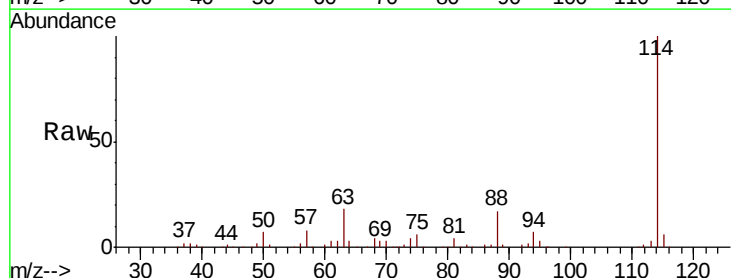
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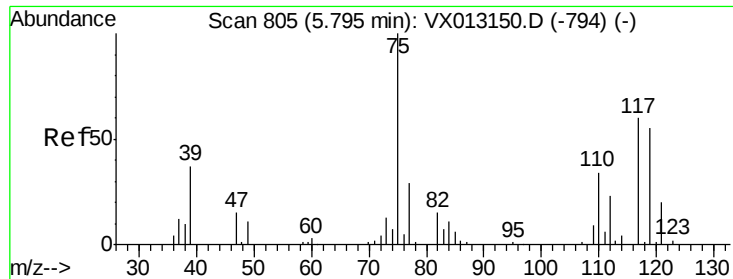
MMDadoda
 10/22/2019 12:31:58 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013156.D
 Acq: 21 Oct 2019 16:54

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.0	16.1	24.1
88	17.2	13.7	20.5





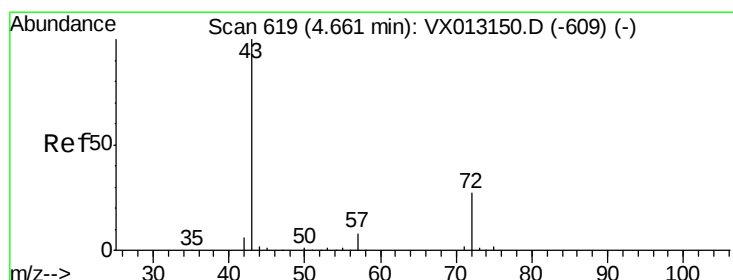
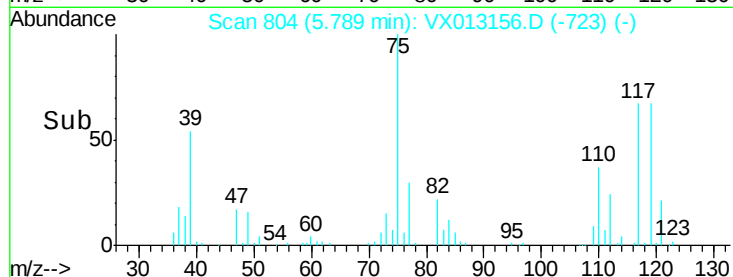
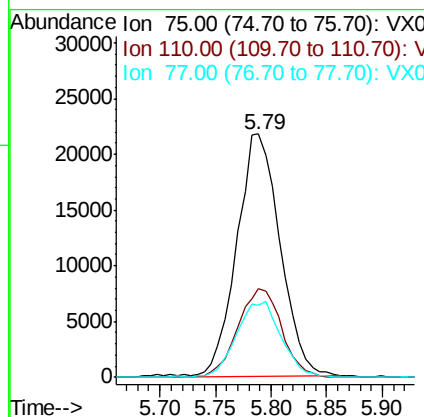
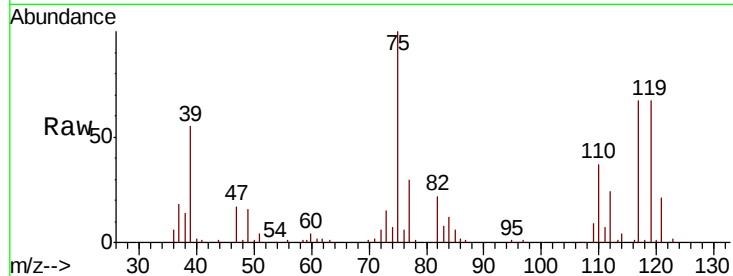
#29
 1,1-Dichloropropene
 Concen: 19.024 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: VX013156.D
 Acq: 21 Oct 2019 16:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1021WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
110	37.0	0.0	68.4
77	32.2	0.0	30.8

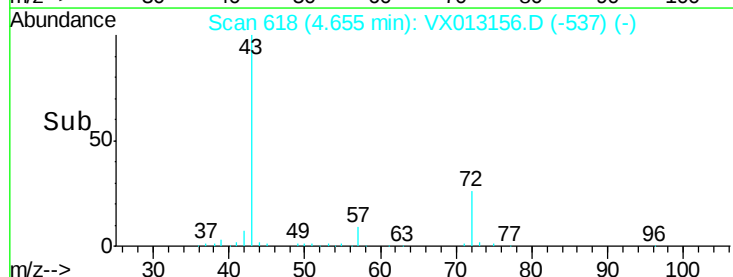
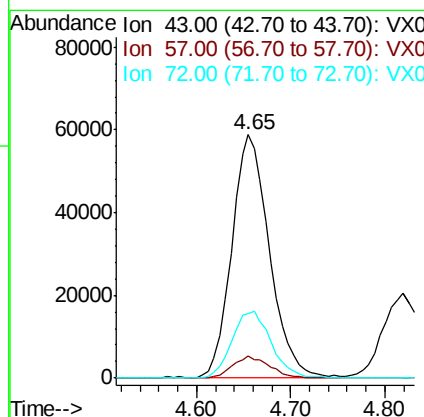
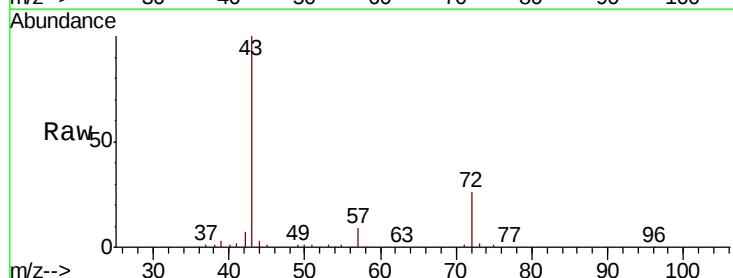
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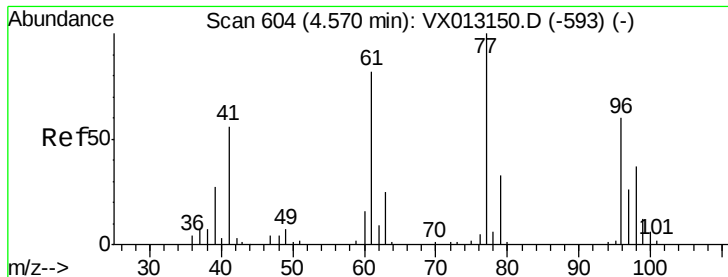
MMDadoda
 10/22/2019 12:31:58 PM



#30
 2-Butanone
 Concen: 100.093 ug/l
 RT: 4.65 min Scan# 618
 Delta R.T. -0.01 min
 Lab File: VX013156.D
 Acq: 21 Oct 2019 16:54

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.9	7.0	10.6
72	28.9	23.4	35.2





#31

2,2-Dichloropropane

Concen: 19.629 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX013156.D

Acq: 21 Oct 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

VX1021WBS01

Tot Ion: 77 Resp: 70367

Ion Ratio Lower Upper

77 100

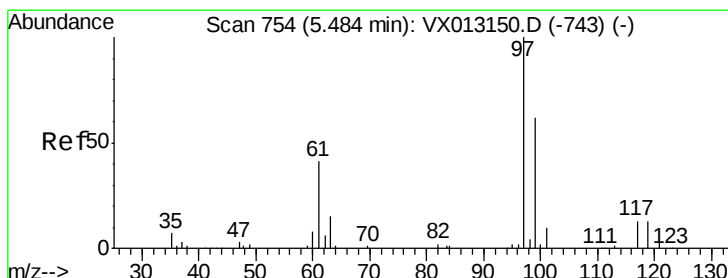
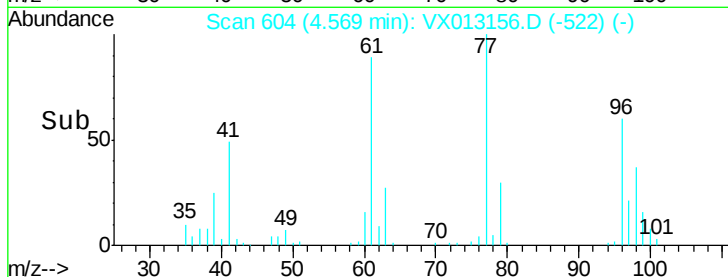
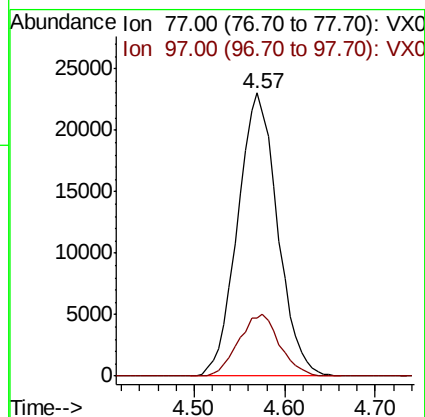
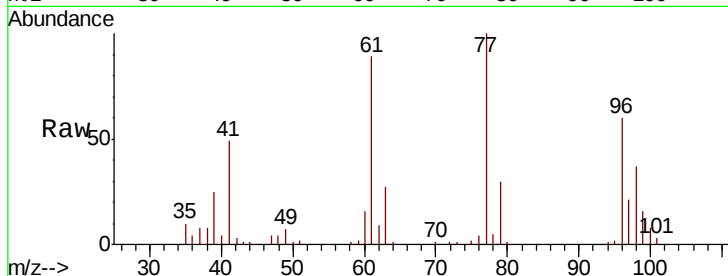
97 22.3 19.1 28.7

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 18.744 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX013156.D

Acq: 21 Oct 2019 16:54

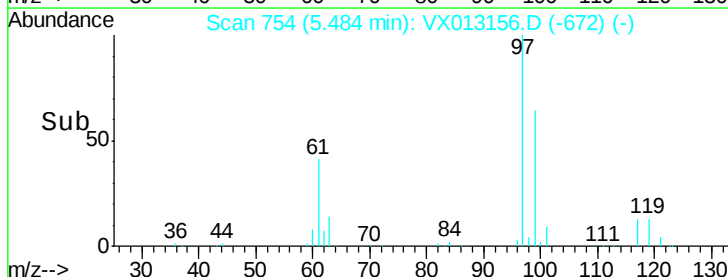
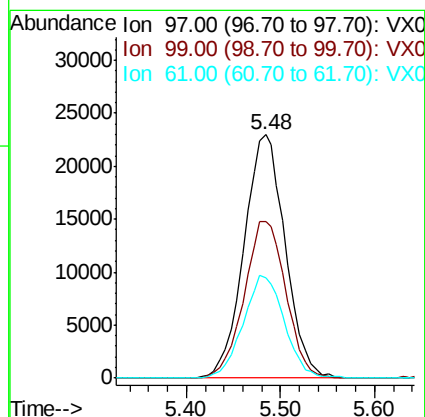
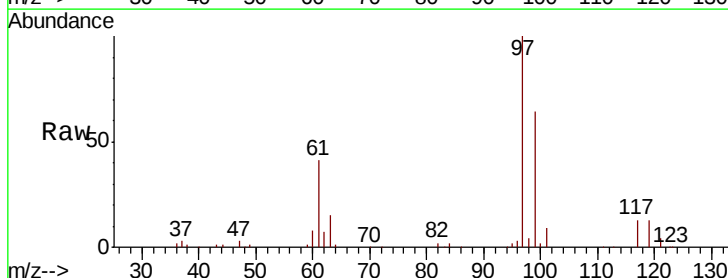
Tgt Ion: 97 Resp: 70328

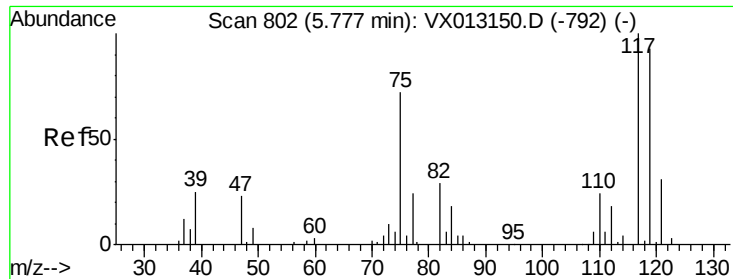
Ion Ratio Lower Upper

97 100

99 65.2 51.8 77.8

61 42.1 33.5 50.3





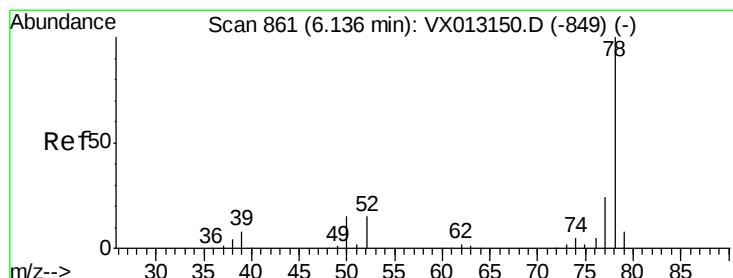
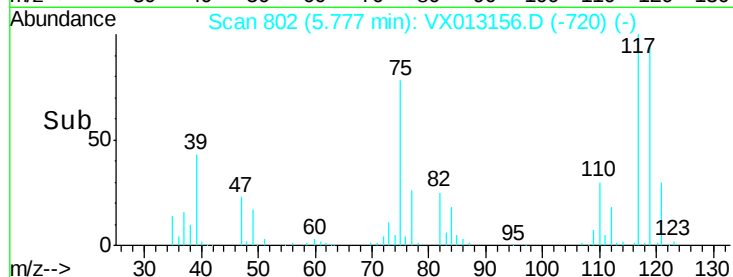
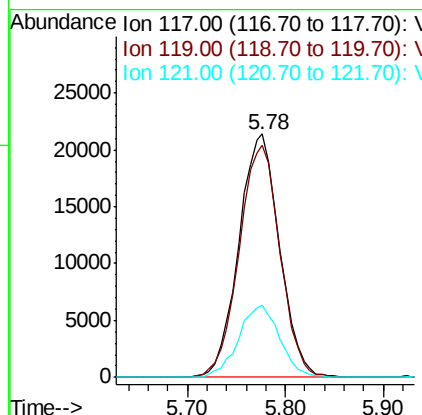
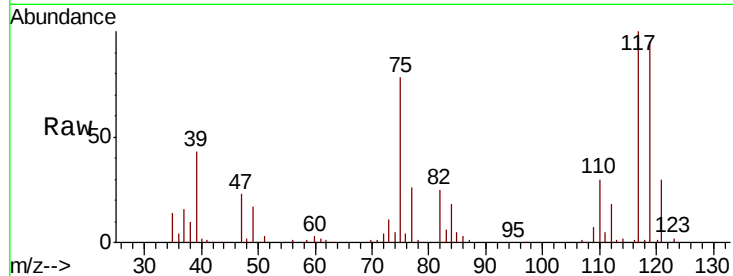
#33
Carbon Tetrachloride
Concen: 19.156 ug/l
RT: 5.78 min Scan# 802
Delta R.T. -0.00 min
Lab File: VX013156.D
Acq: 21 Oct 2019 16:54

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBS01

Tot Ion:117 Resp: 61776
Ion Ratio Lower Upper
117 100
119 95.1 74.9 112.3
121 29.6 25.0 37.4

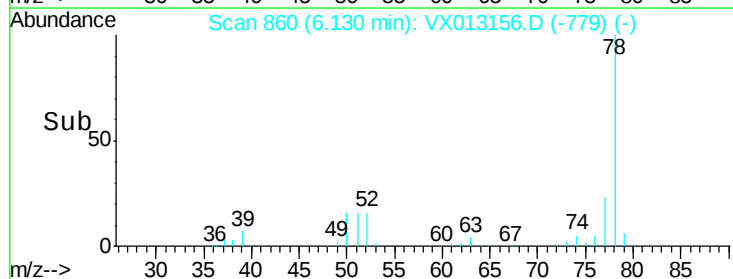
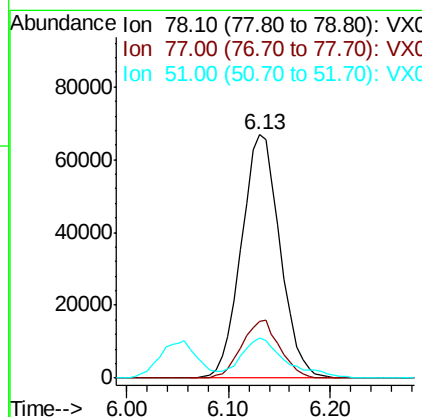
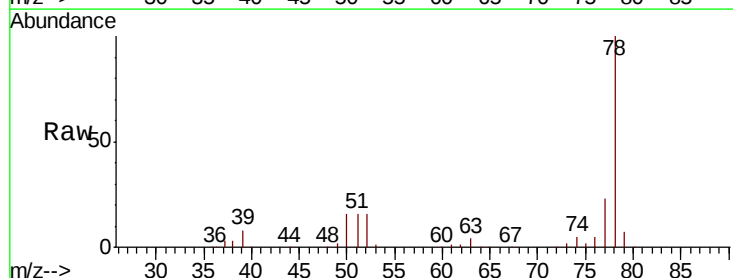
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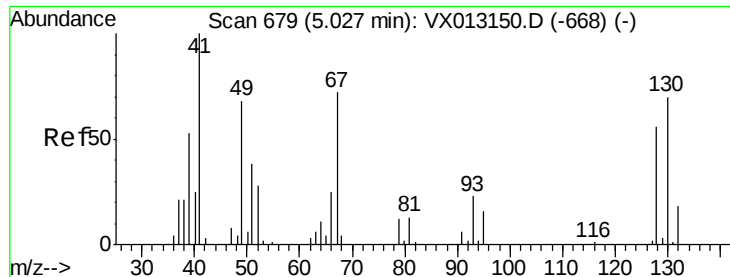
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#34
Benzene
Concen: 19.732 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.01 min
Lab File: VX013156.D
Acq: 21 Oct 2019 16:54

Tgt Ion: 78 Resp: 176139
Ion Ratio Lower Upper
78 100
77 23.2 19.3 28.9
51 15.5 11.4 17.2





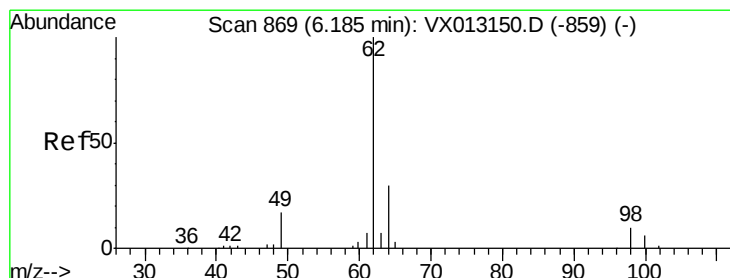
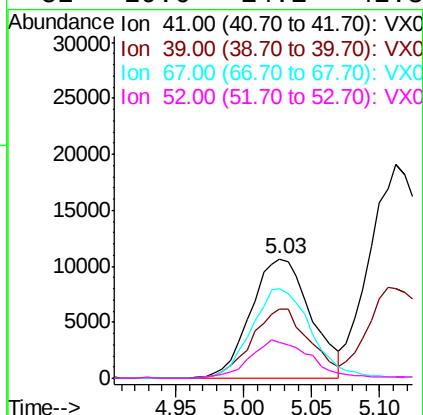
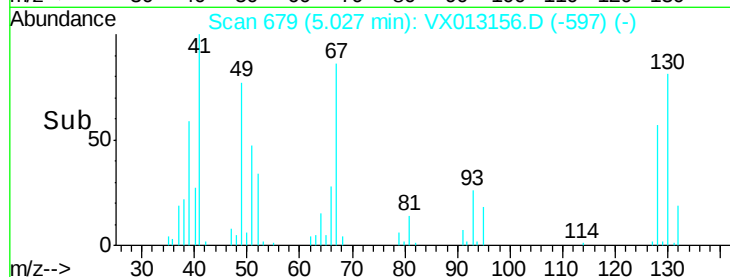
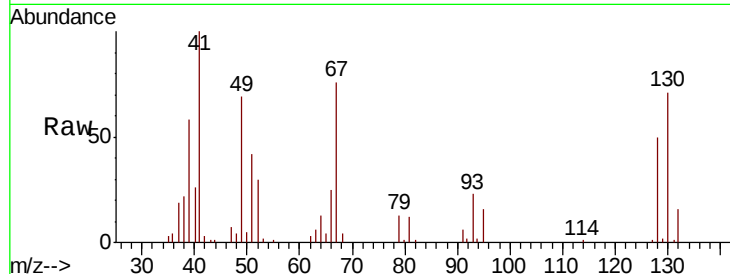
#35
Methacrylonitrile
Concen: 19.680 ug/l
RT: 5.03 min Scan# 679
Delta R.T. -0.00 min
Lab File: VX013156.D
Acq: 21 Oct 2019 16:54

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	57.9	26.3	78.9	
67	75.7	35.8	107.4	
52	29.6	14.1	42.3	

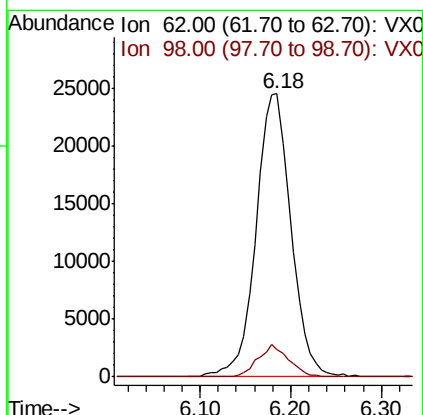
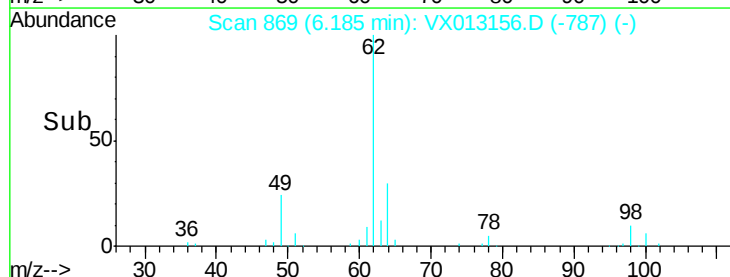
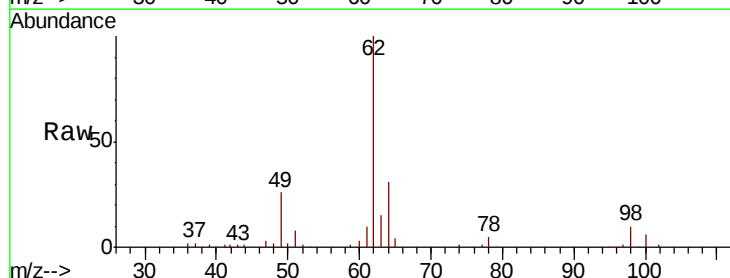
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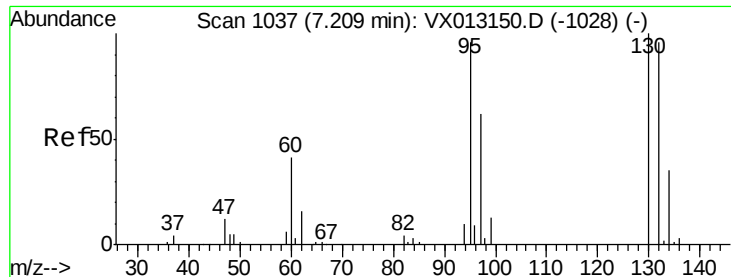
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#36
1,2-Dichloroethane
Concen: 19.398 ug/l
RT: 6.18 min Scan# 869
Delta R.T. -0.00 min
Lab File: VX013156.D
Acq: 21 Oct 2019 16:54

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.1	8.0	12.0	





#37

Trichloroethene

Concen: 19.855 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.01 min

Lab File: VX013156.D

Acq: 21 Oct 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

VX1021WBS01

Tot Ion:130 Resp: 49160

Ion Ratio Lower Upper

130 100

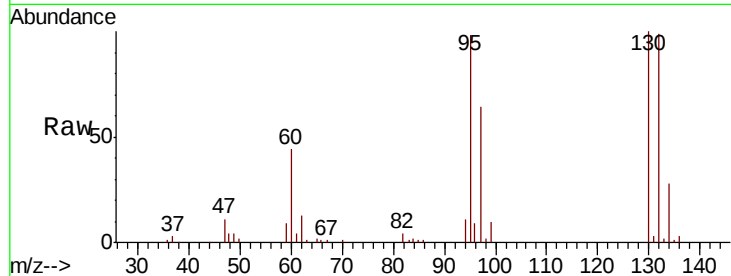
95 97.6 77.0 115.6

Manual Integrations

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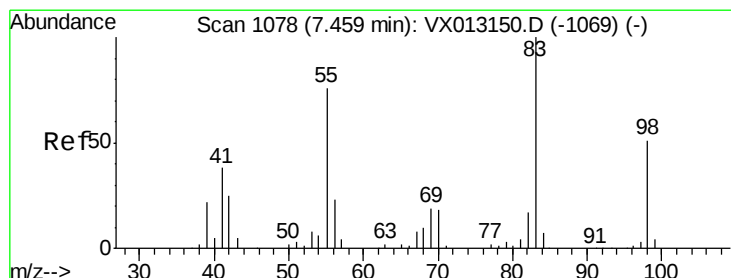
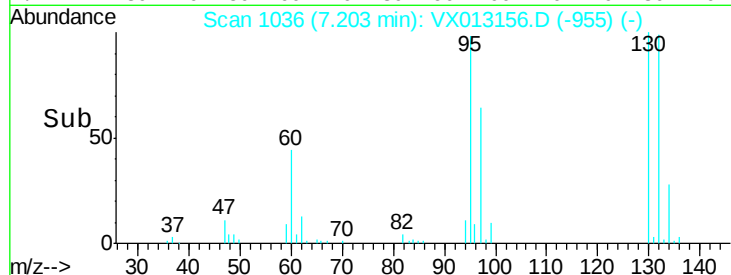
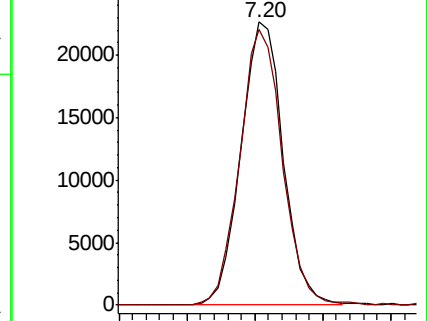
MMDadoda

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0



#38

Methylcyclohexane

Concen: 19.812 ug/l

RT: 7.45 min Scan# 1077

Delta R.T. -0.01 min

Lab File: VX013156.D

Acq: 21 Oct 2019 16:54

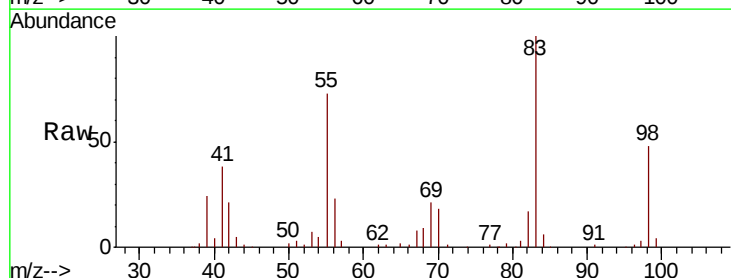
Tgt Ion: 83 Resp: 74920

Ion Ratio Lower Upper

83 100

55 74.1 37.5 112.5

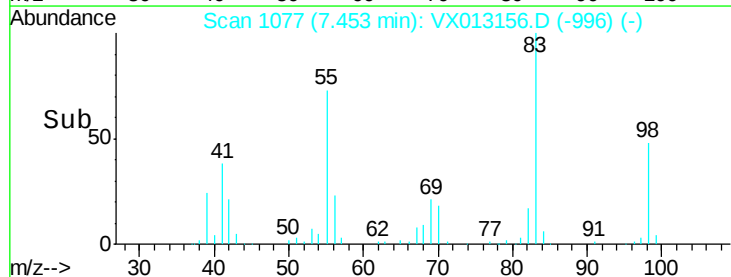
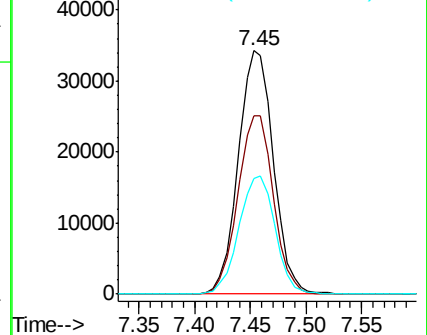
98 50.1 25.4 76.0

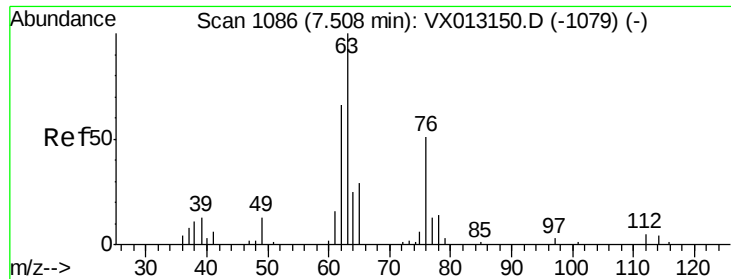


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





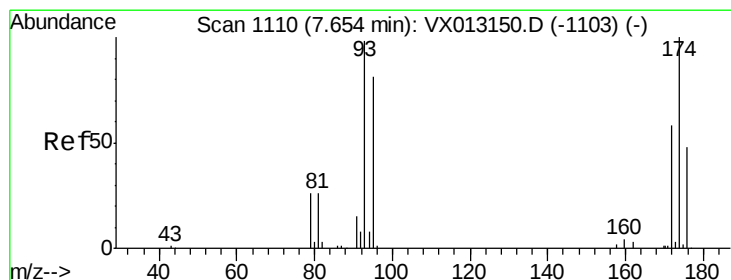
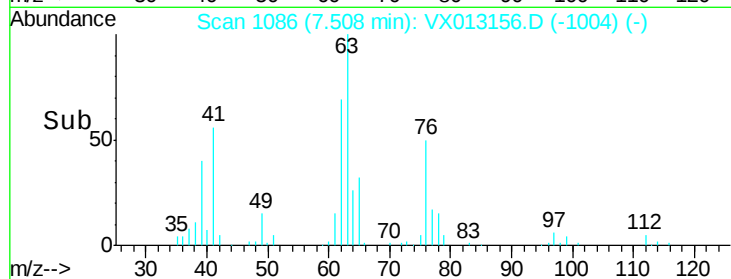
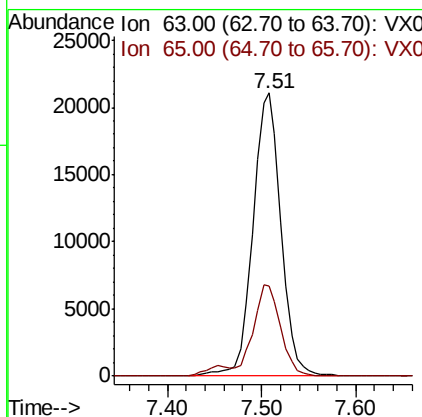
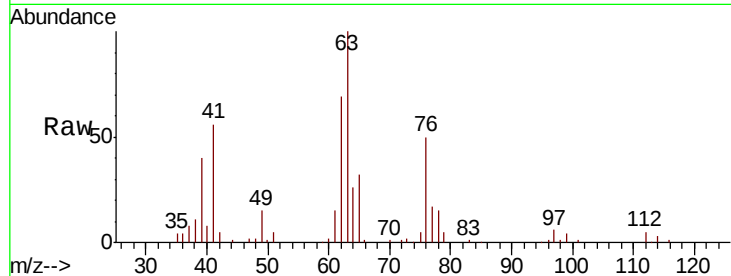
#39
 1,2-Dichloropropane
 Concen: 20.094 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: VX013156.D
 Acq: 21 Oct 2019 16:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1021WBS01

Tot Ion: 63 Resp: 44026
 Ion Ratio Lower Upper
 63 100
 65 31.9 24.8 37.2

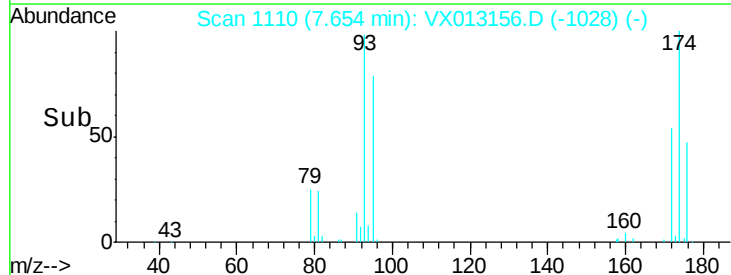
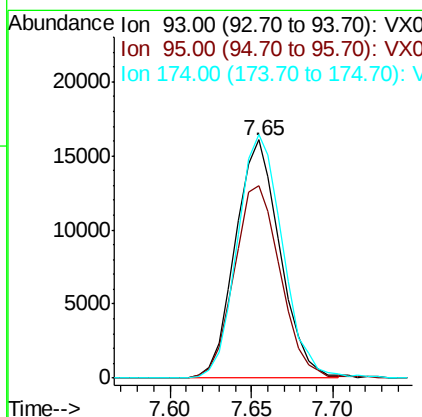
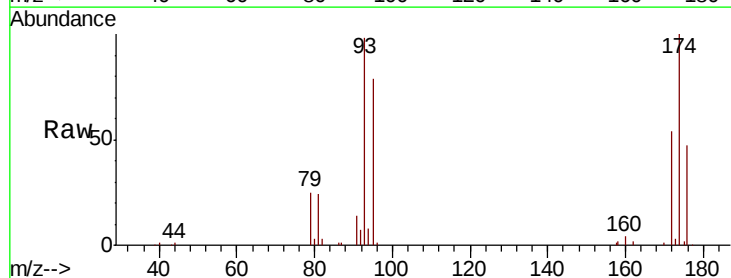
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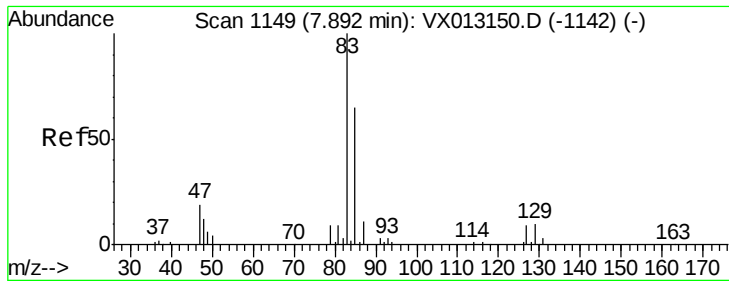
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#40
 Dibromomethane
 Concen: 19.578 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX013156.D
 Acq: 21 Oct 2019 16:54

Tgt Ion: 93 Resp: 30639
 Ion Ratio Lower Upper
 93 100
 95 83.1 0.0 166.0
 174 103.8 0.0 208.8





#41

Bromodichloromethane

Concen: 19.328 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VX013156.D

Acq: 21 Oct 2019 16:54

Instrument :

MSVOA_X

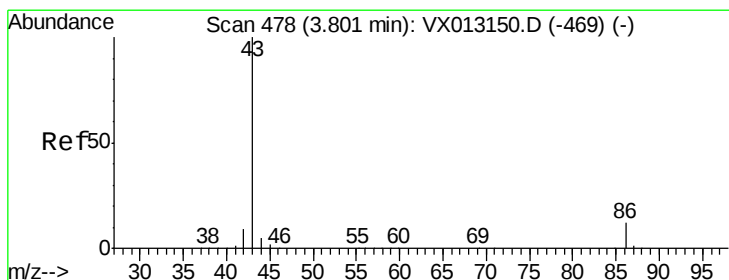
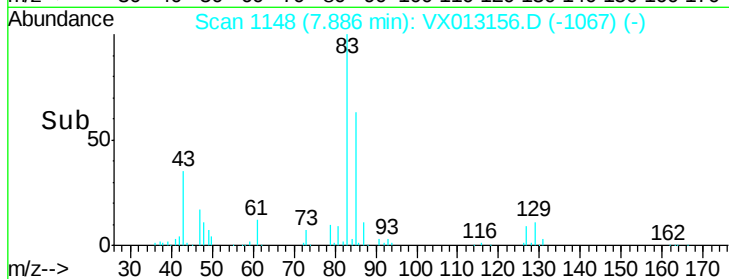
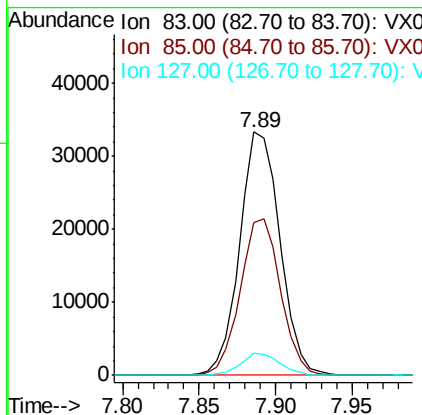
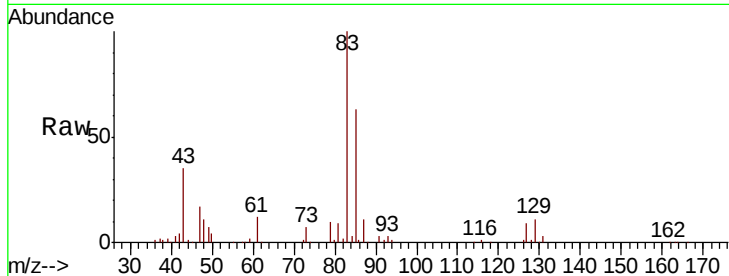
ClientSampleId :

VX1021WBS01

Tot Ion:	83	Resp:	60992
Ion Ratio	Lower	Upper	
83	100		
85	62.9	52.1	78.1
127	9.2	7.5	11.3

Manual Integrations
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#42

Vinyl Acetate

Concen: 99.848 ug/l

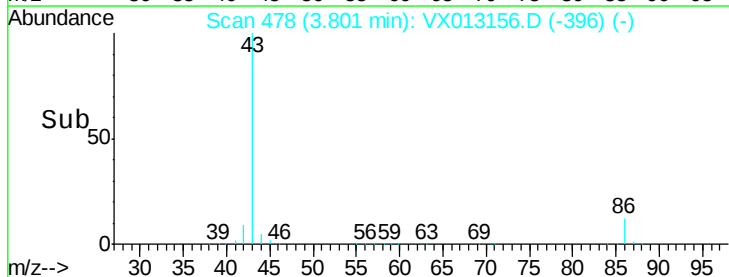
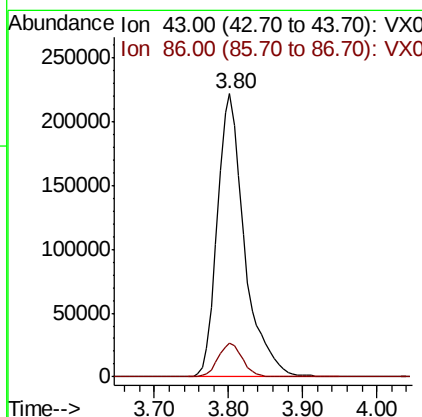
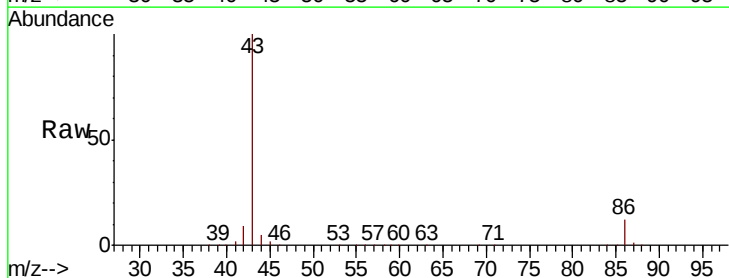
RT: 3.80 min Scan# 478

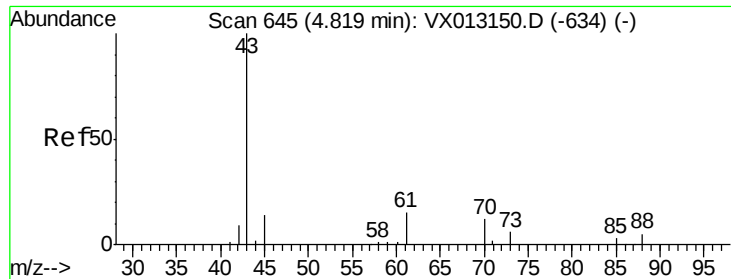
Delta R.T. -0.00 min

Lab File: VX013156.D

Acq: 21 Oct 2019 16:54

Tgt Ion:	43	Resp:	563155
Ion Ratio	Lower	Upper	
43	100		
86	10.7	8.6	12.8





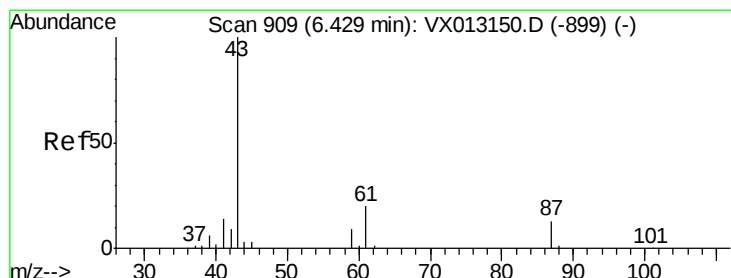
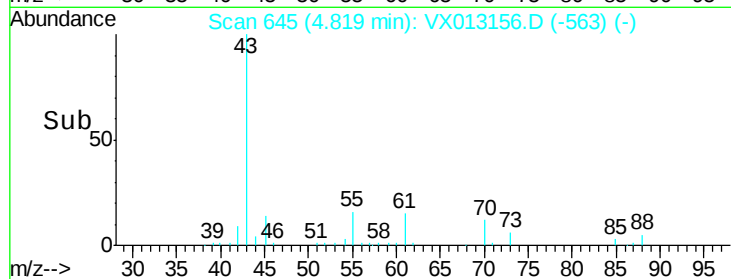
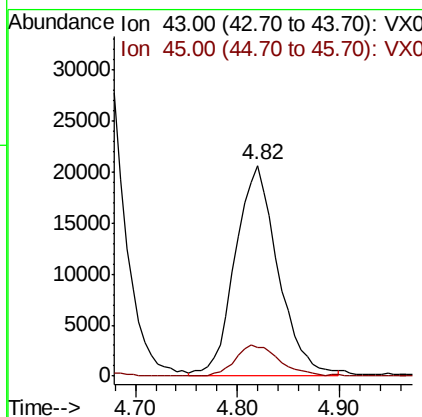
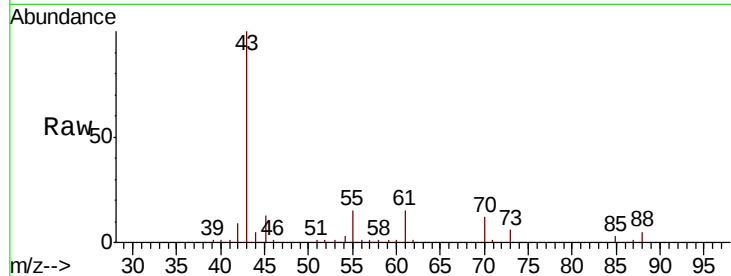
#43
Ethyl Acetate
Concen: 20.388 ug/l
RT: 4.82 min Scan# 645
Delta R.T. -0.00 min
Lab File: VX013156.D
Acq: 21 Oct 2019 16:54

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBS01

Tot Ion: 43 Resp: 60482
Ion Ratio Lower Upper
43 100
45 15.0 12.6 18.8

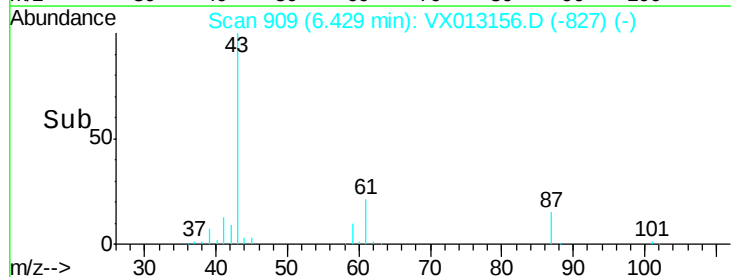
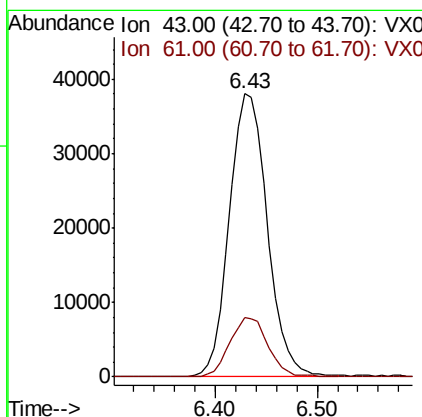
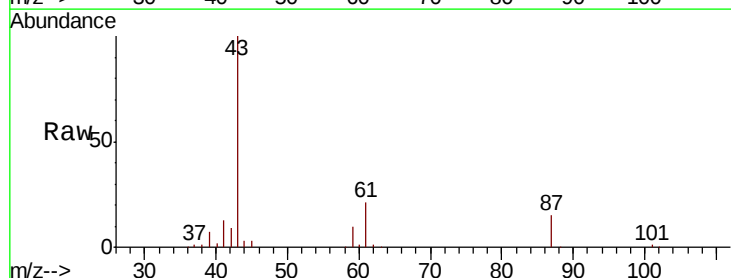
Manual Integrations
APPROVED

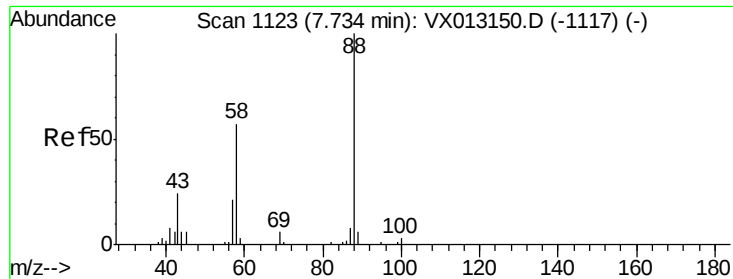
MMDadoda
10/22/2019 12:31:58 PM



#44
Isopropyl Acetate
Concen: 19.786 ug/l
RT: 6.43 min Scan# 909
Delta R.T. -0.00 min
Lab File: VX013156.D
Acq: 21 Oct 2019 16:54

Tgt Ion: 43 Resp: 98648
Ion Ratio Lower Upper
43 100
61 21.0 16.8 25.2





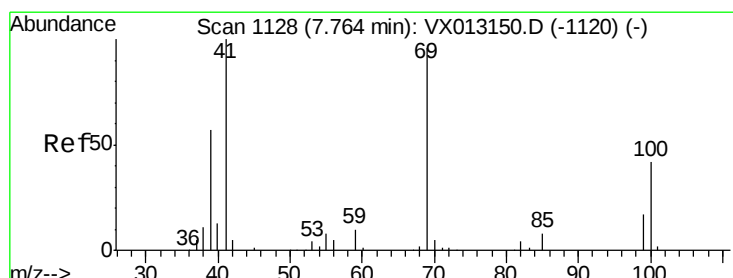
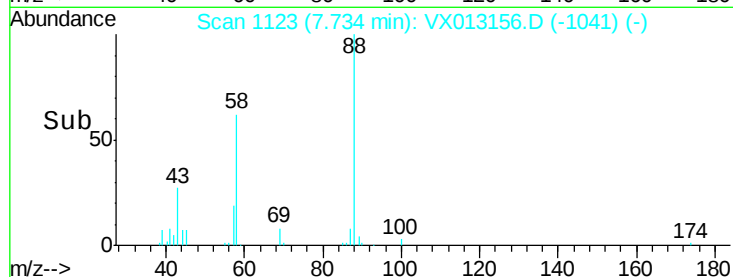
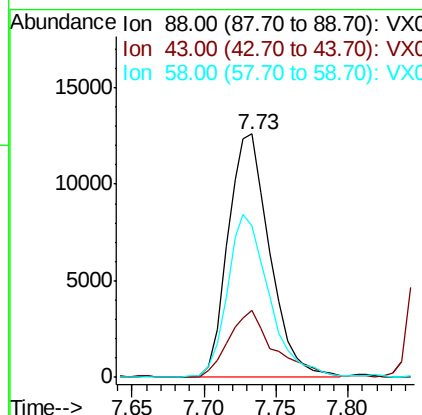
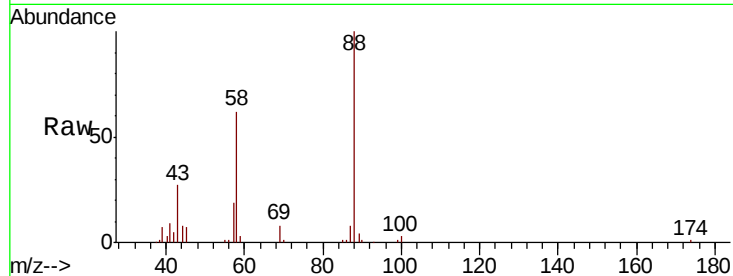
#45
 1,4-Dioxane
 Concen: 402.492 ug/l
 RT: 7.73 min Scan# 1123
 Delta R.T. -0.00 min
 Lab File: VX013156.D
 Acq: 21 Oct 2019 16:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1021WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.4	24.0	36.0
58	66.8	52.8	79.2

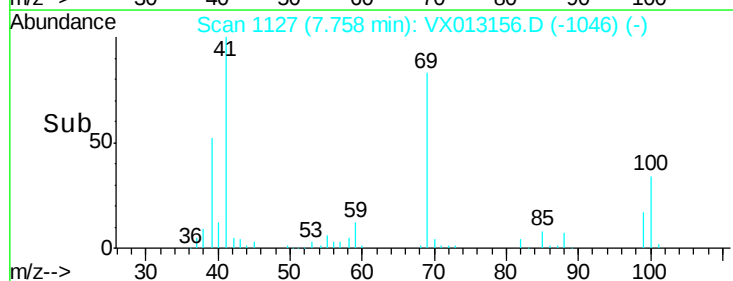
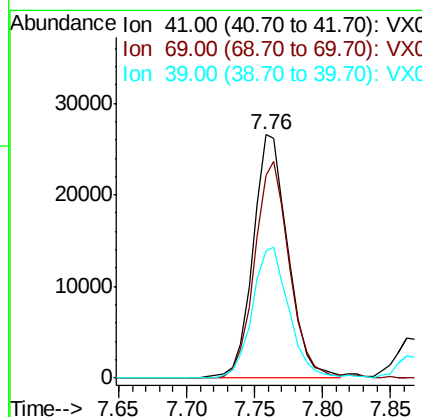
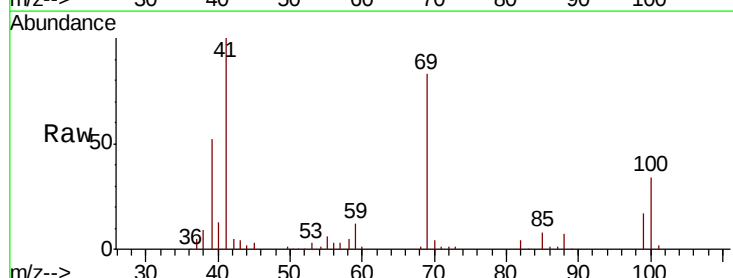
Manual Integrations
 APPROVED

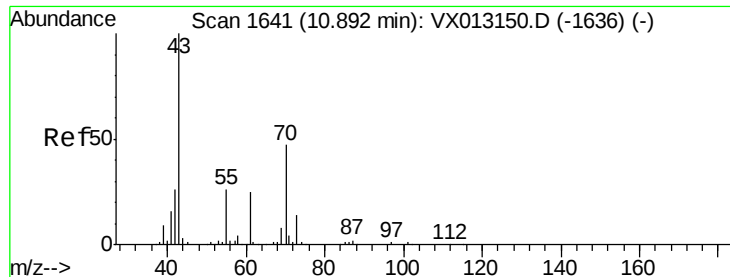
MMDadoda
 10/22/2019 12:31:58 PM



#46
 Methyl methacrylate
 Concen: 19.567 ug/l
 RT: 7.76 min Scan# 1127
 Delta R.T. -0.01 min
 Lab File: VX013156.D
 Acq: 21 Oct 2019 16:54

Tgt Ion	Ratio	Lower	Upper
41	100		
69	83.2	47.8	143.3
39	52.3	28.5	85.5





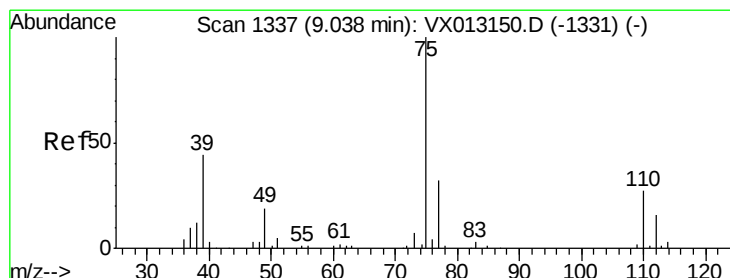
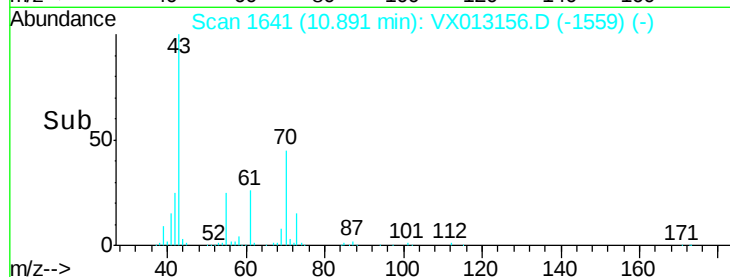
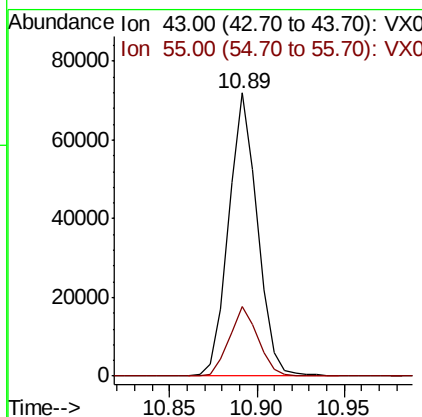
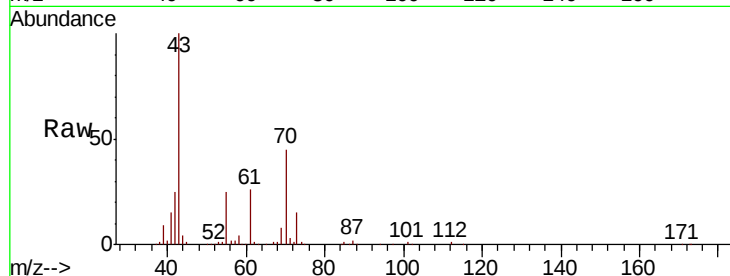
#47
n-amvl Acetate
Concen: 19.628 ug/l
RT: 10.89 min Scan# 1641
Delta R.T. -0.00 min
Lab File: VX013156.D
Acq: 21 Oct 2019 16:54

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBS01

Tot Ion: 43 Resp: 82491
Ion Ratio Lower Upper
43 100
55 24.8 20.9 31.3

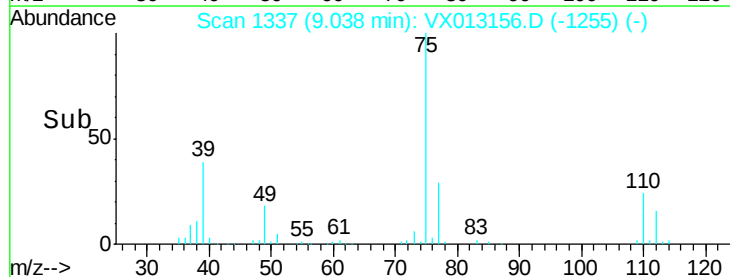
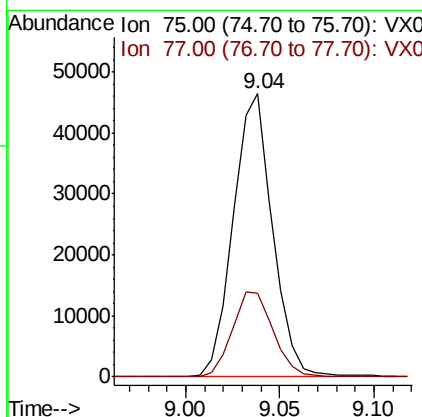
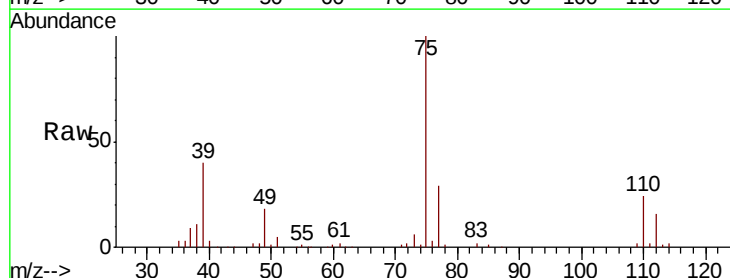
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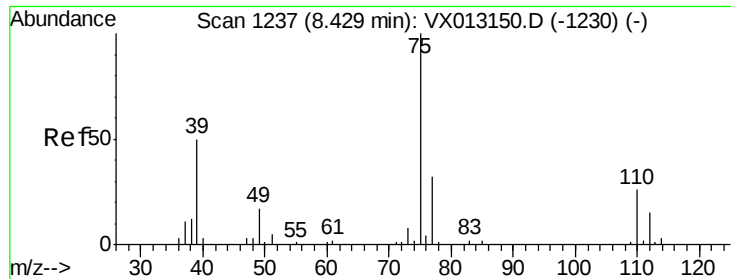
MMDadoda
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#48
t-1,3-Dichloropropene
Concen: 19.382 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VX013156.D
Acq: 21 Oct 2019 16:54

Tgt Ion: 75 Resp: 67092
Ion Ratio Lower Upper
75 100
77 29.5 25.6 38.4





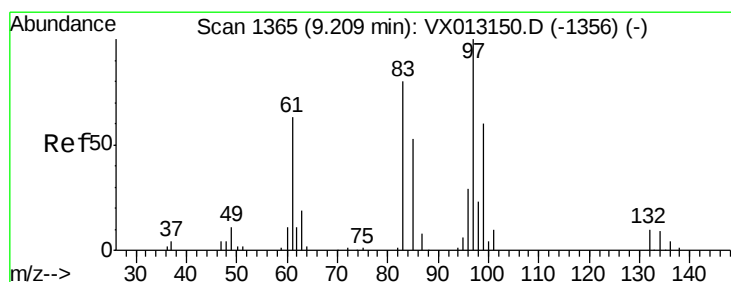
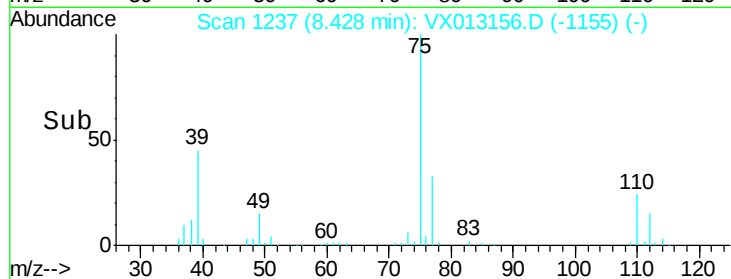
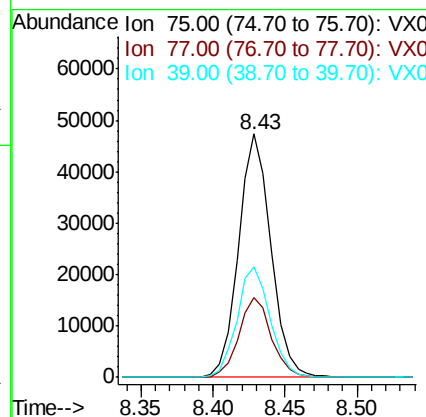
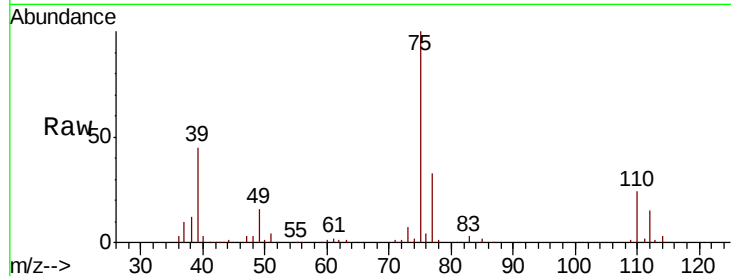
#49
 cis-1,3-Dichloropropene
 Concen: 19.652 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. -0.00 min
 Lab File: VX013156.D
 Acq: 21 Oct 2019 16:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1021WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.0	25.8	38.8
39	45.1	39.7	59.5

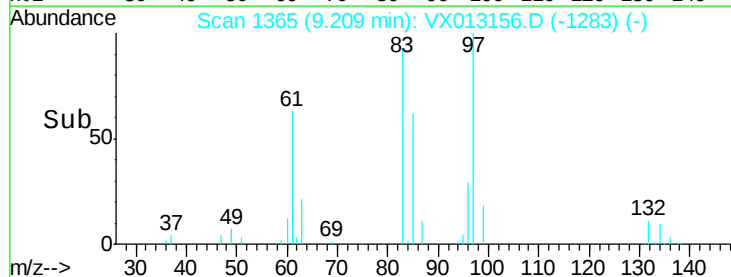
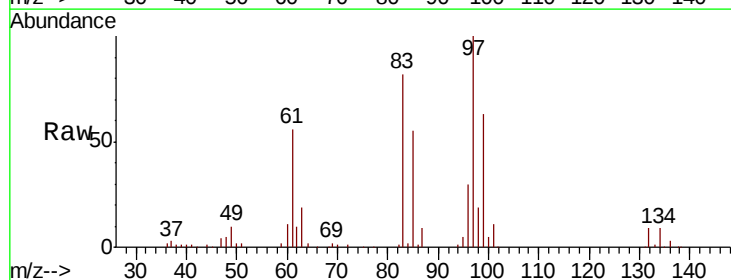
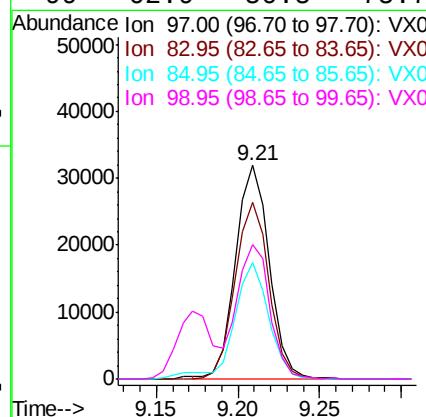
Manual Integrations
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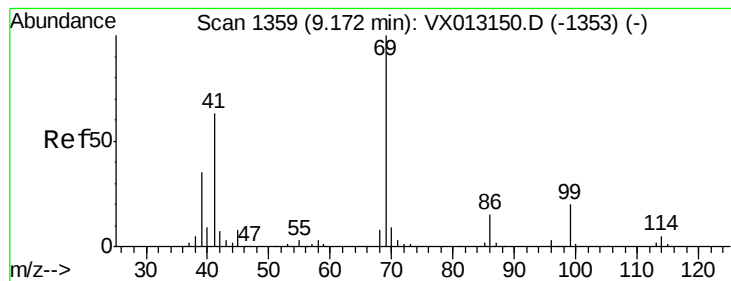
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#50
 1,1,2-Trichloroethane
 Concen: 19.884 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX013156.D
 Acq: 21 Oct 2019 16:54

Tgt Ion	Ratio	Lower	Upper
97	100		
83	82.4	64.2	96.4
85	54.5	42.7	64.1
99	62.9	50.5	75.7





#51

Ethyl methacrylate

Concen: 19.884 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. -0.00 min

Lab File: VX013156.D

Acq: 21 Oct 2019 16:54

Instrument :

MSVOA_X

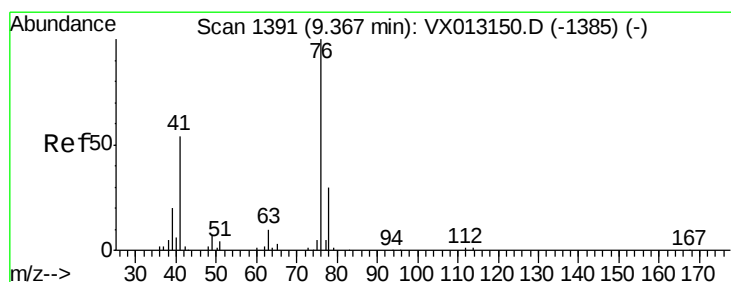
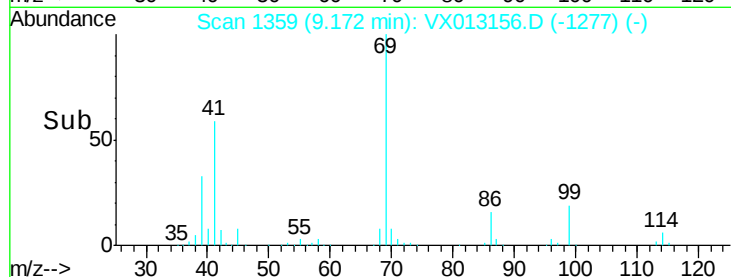
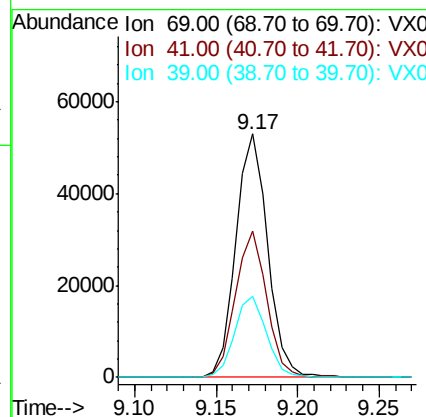
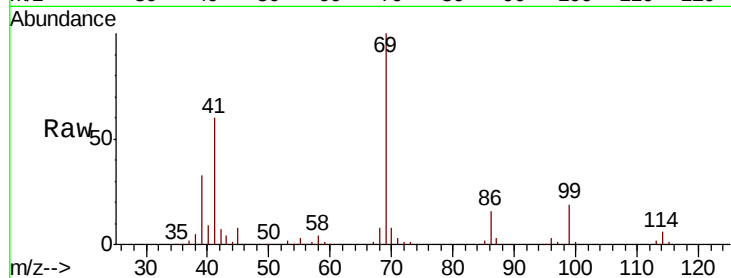
ClientSampleId :

VX1021WBS01

Tot Ion:	69	Resp:	72056
Ion Ratio	Lower	Upper	
69	100		
41	60.0	31.6	95.0
39	33.3	17.7	53.1

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 19.615 ug/l

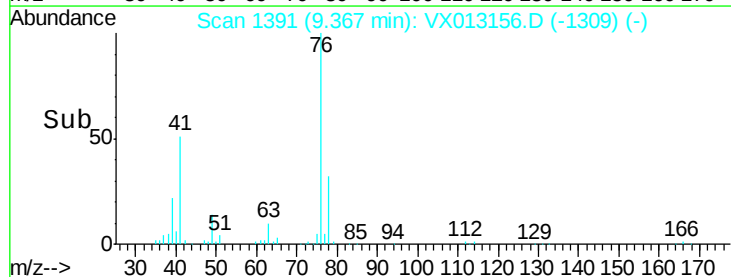
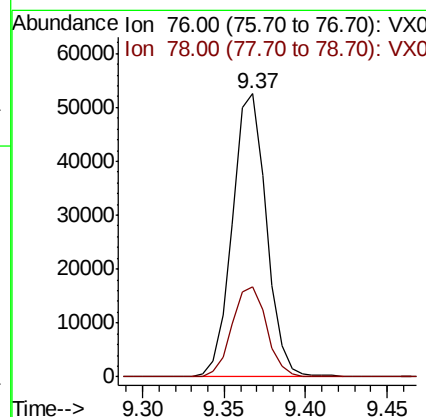
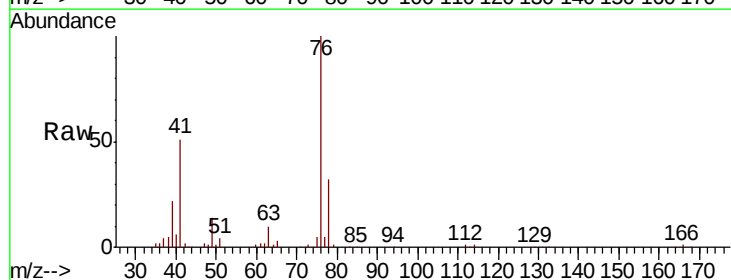
RT: 9.37 min Scan# 1391

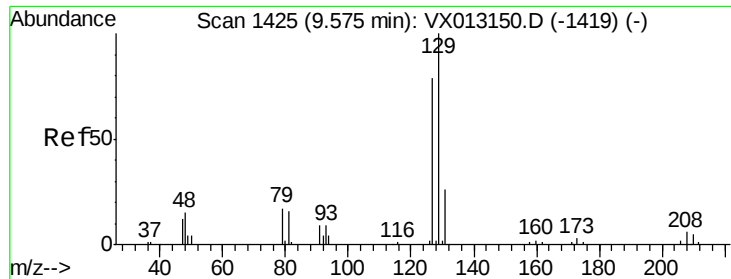
Delta R.T. -0.00 min

Lab File: VX013156.D

Acq: 21 Oct 2019 16:54

Tgt Ion:	76	Resp:	76341
Ion Ratio	Lower	Upper	
76	100		
78	32.6	0.0	64.6





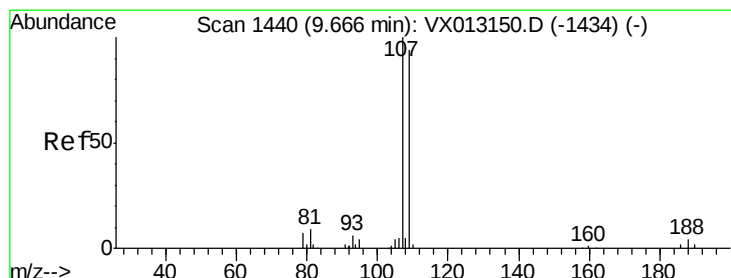
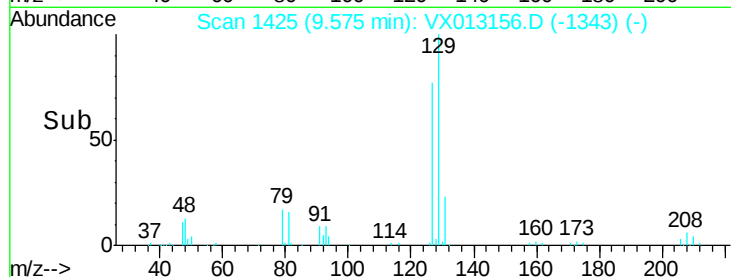
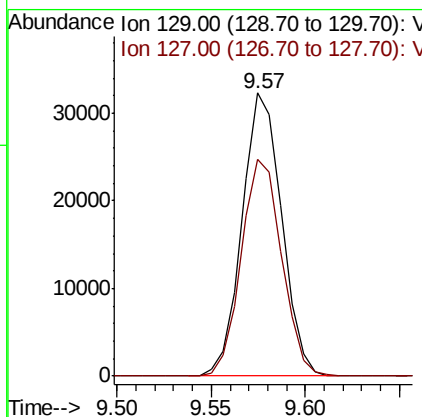
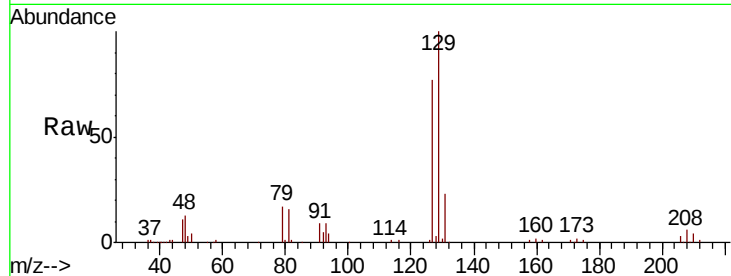
#53
Dibromochloromethane
Concen: 18.913 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX013156.D
Acq: 21 Oct 2019 16:54

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
129	100		47151		
127	78.0	39.4	118.2		

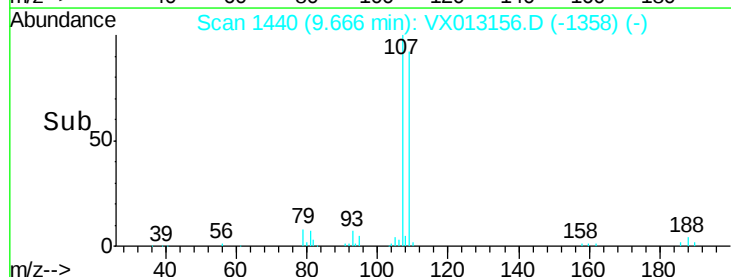
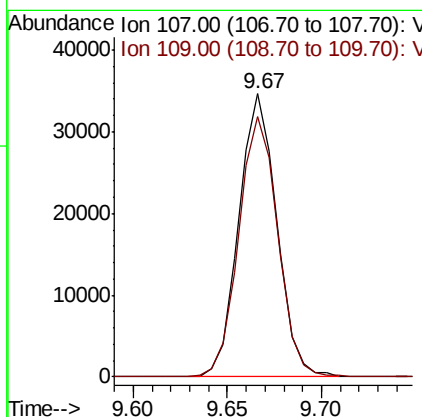
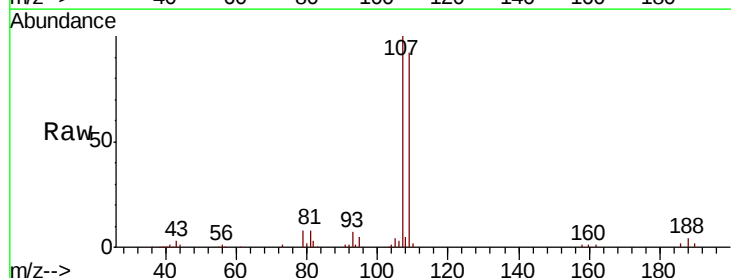
Manual Integrations
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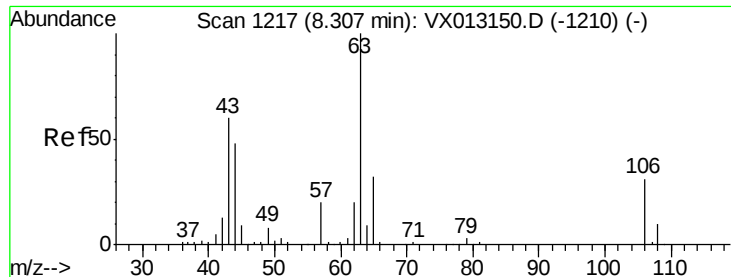
MMDadoda
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#54
1,2-Dibromoethane
Concen: 19.567 ug/l
RT: 9.67 min Scan# 1440
Delta R.T. -0.00 min
Lab File: VX013156.D
Acq: 21 Oct 2019 16:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		48353		
109	94.6	75.4	113.0		





#55

2-Chloroethyl vinyl ether

Concen: 108.910 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VX013156.D

Acq: 21 Oct 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

VX1021WBS01

Tot Ion: 63 Resp: 160323
Ion Ratio Lower Upper

63 100

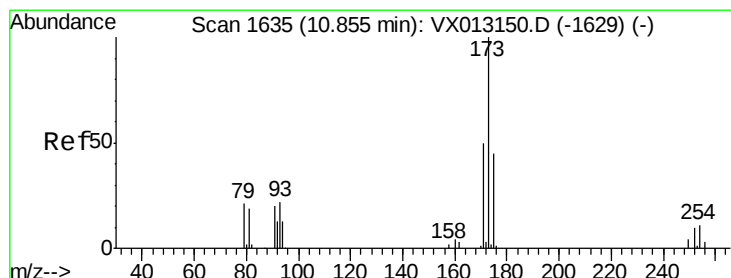
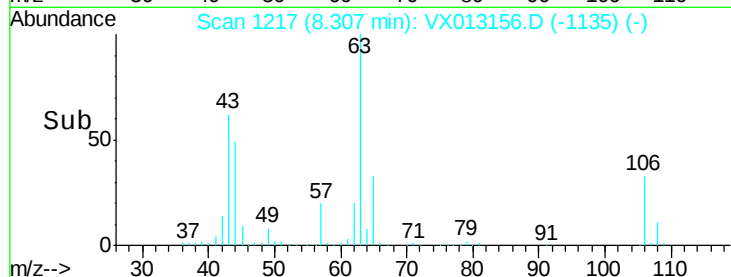
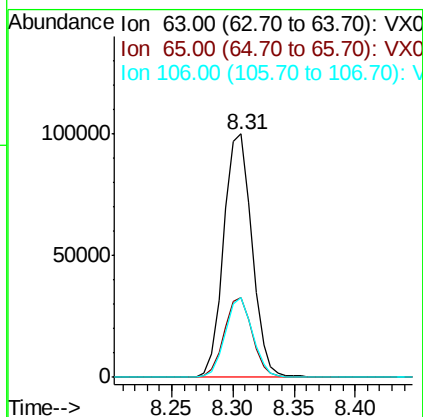
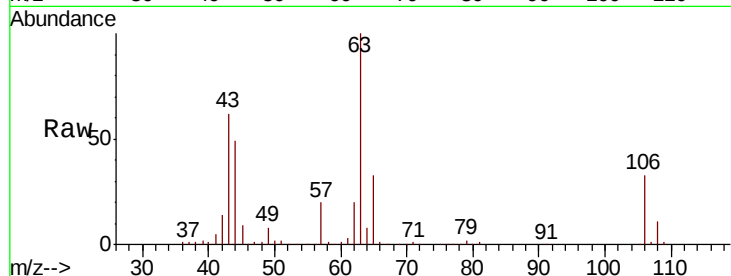
65 32.4 25.5 38.3

106 31.5 24.8 37.2

Manual Integrations
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#56

Bromoform

Concen: 18.933 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VX013156.D

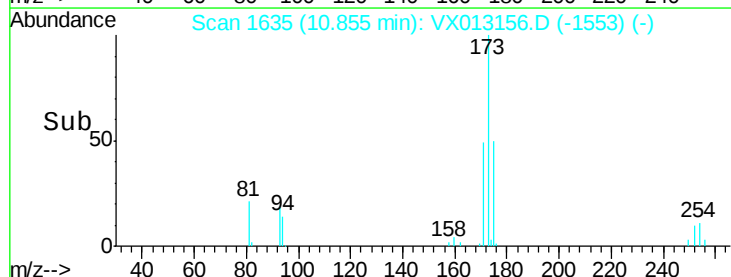
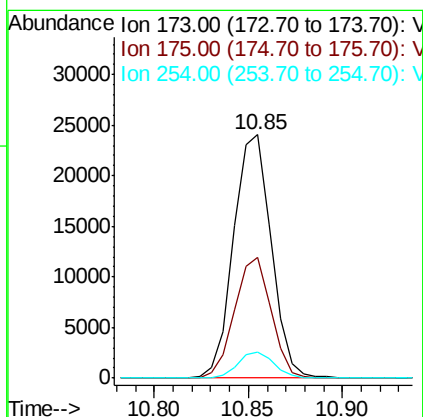
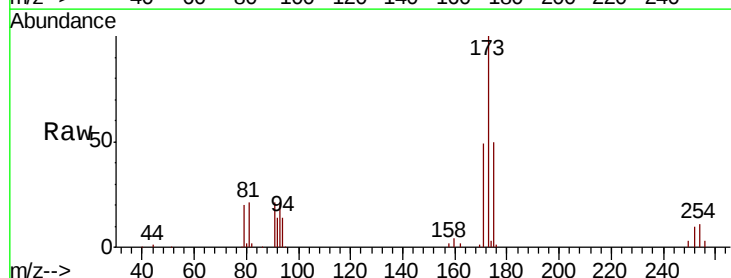
Acq: 21 Oct 2019 16:54

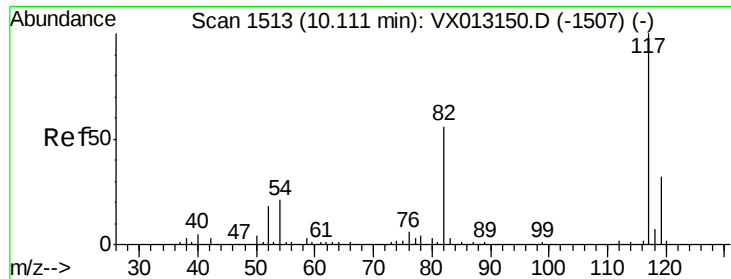
Tgt Ion: 173 Resp: 33487
Ion Ratio Lower Upper

173 100

175 47.9 39.0 58.4

254 10.2 8.1 12.1





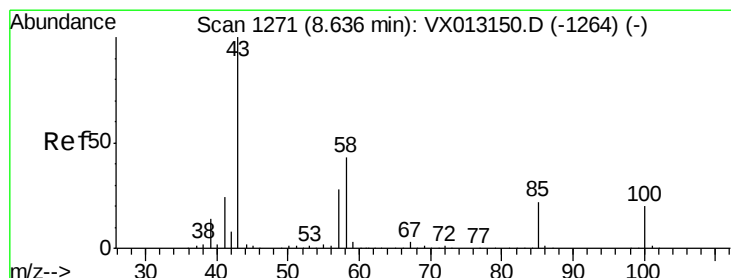
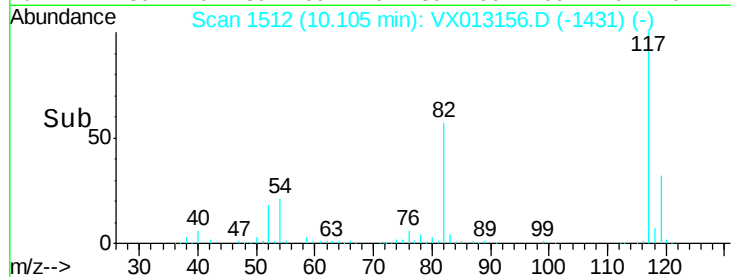
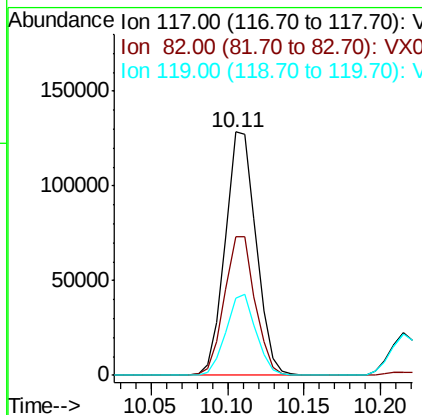
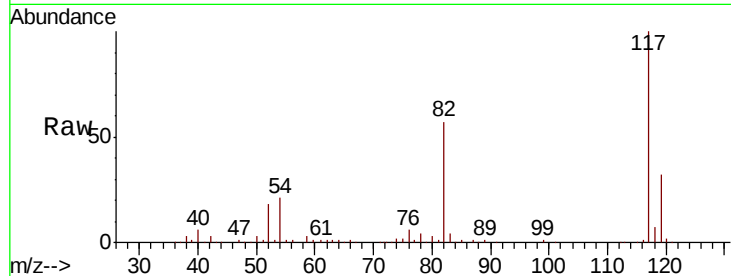
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX013156.D
Acq: 21 Oct 2019 16:54

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.7	46.0	69.0
119	32.0	25.4	38.0

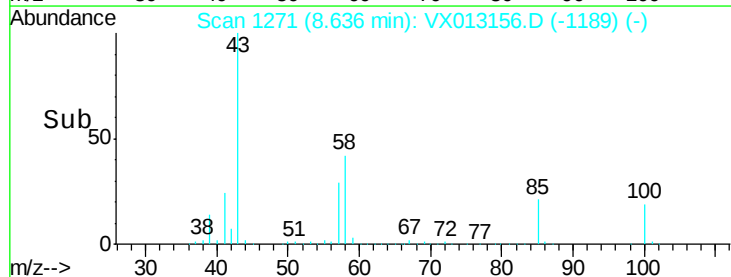
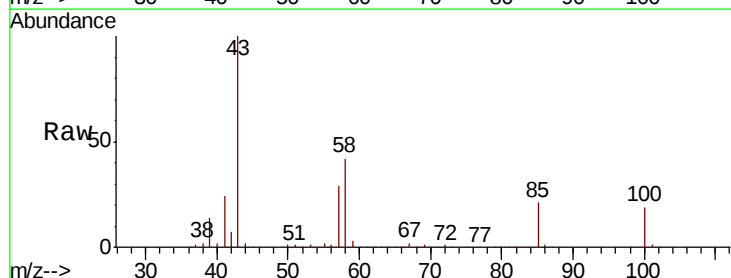
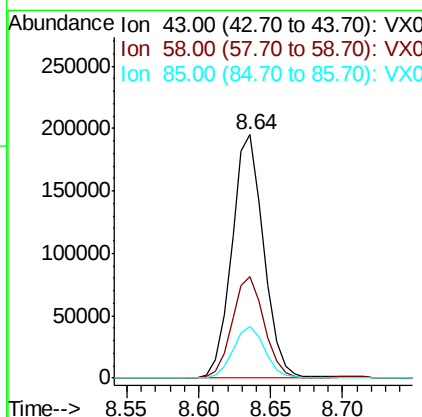
Manual Integrations
APPROVED

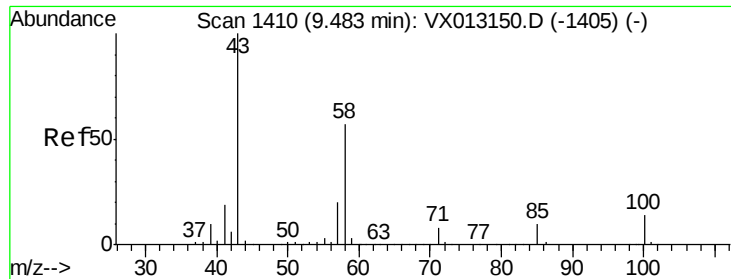
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 98.829 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VX013156.D
Acq: 21 Oct 2019 16:54

Tgt Ion	Ratio	Lower	Upper
43	100		
58	42.0	33.8	50.8
85	21.2	16.8	25.2





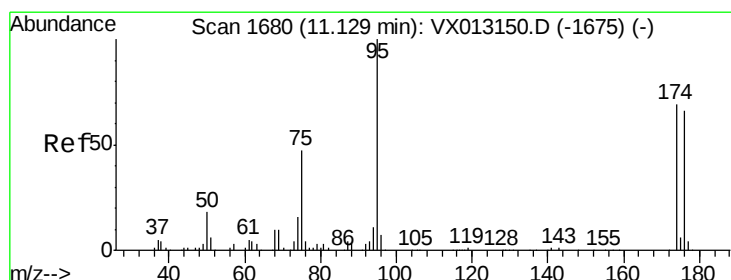
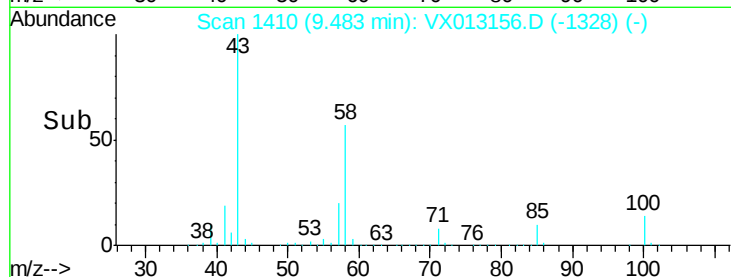
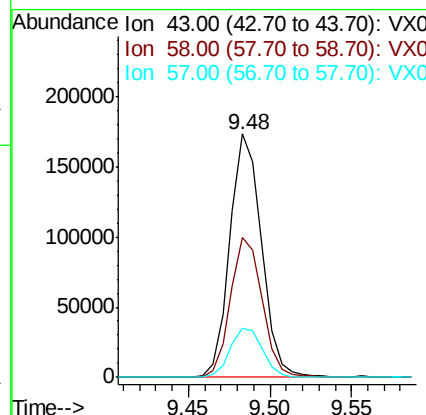
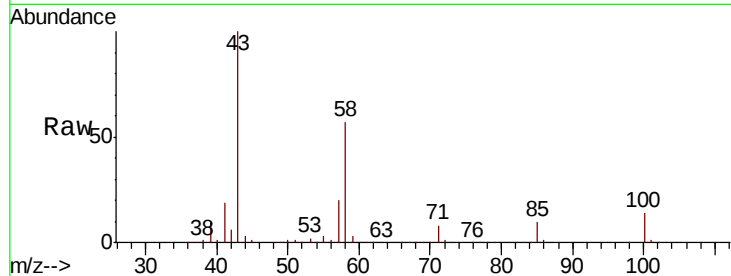
#59
2-Hexanone
Concen: 98.283 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX013156.D
Acq: 21 Oct 2019 16:54

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.8	46.6	69.8
57	20.7	16.9	25.3

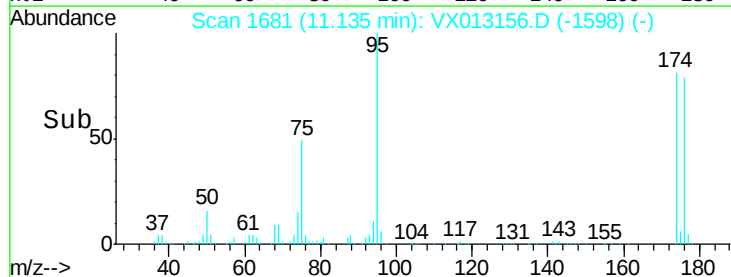
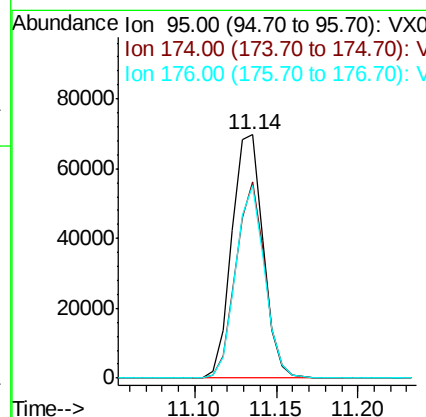
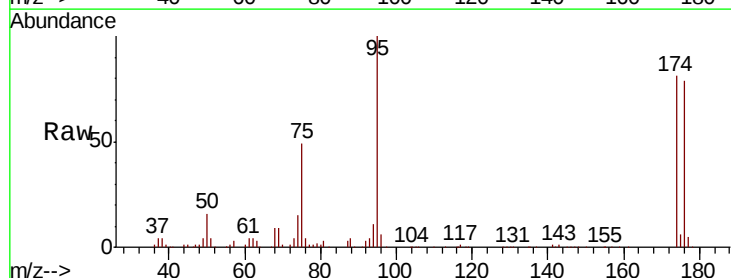
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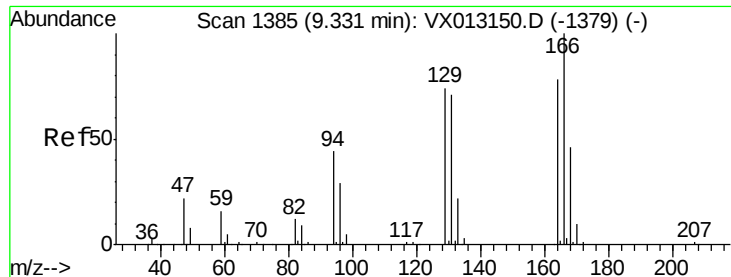
MMDadoda
10/22/2019 12:31:58 PM



#60
4-Bromofluorobenzene
Concen: 29.600 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX013156.D
Acq: 21 Oct 2019 16:54

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.9	60.0	90.0
176	73.6	58.5	87.7





#61

Tetrachloroethene

Concen: 20.147 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VX013156.D

Acq: 21 Oct 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

VX1021WBS01

Tot Ion:164 Resp: 48190

Ion Ratio Lower Upper

164 100

166 123.2 102.6 153.8

129 94.6 75.7 113.5

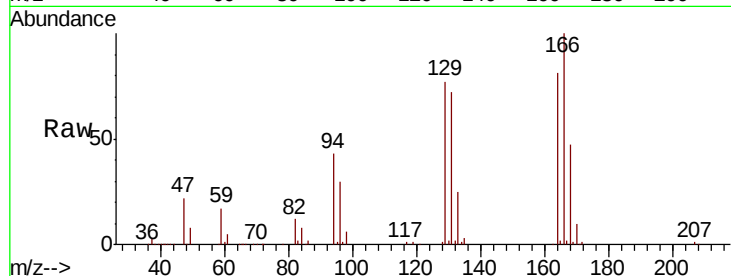
131 88.4 72.4 108.6

Manual Integrations

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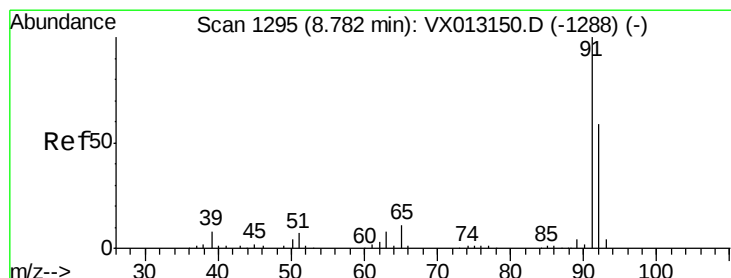
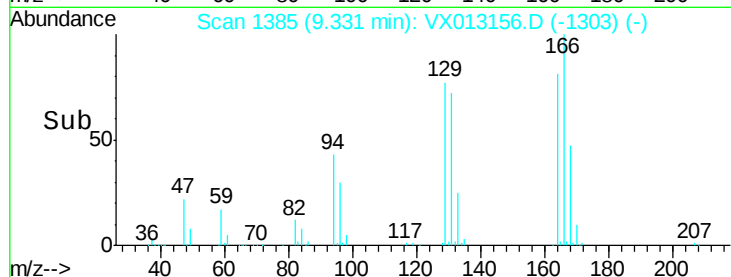
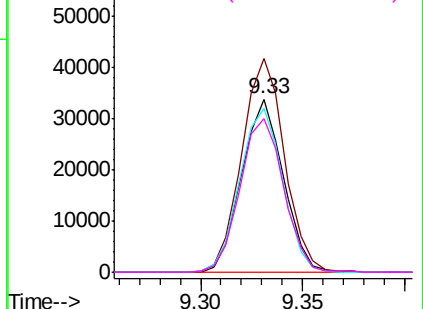


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.618 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX013156.D

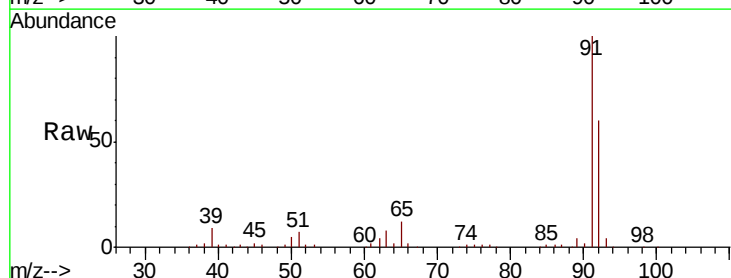
Acq: 21 Oct 2019 16:54

Tgt Ion: 91 Resp: 191079

Ion Ratio Lower Upper

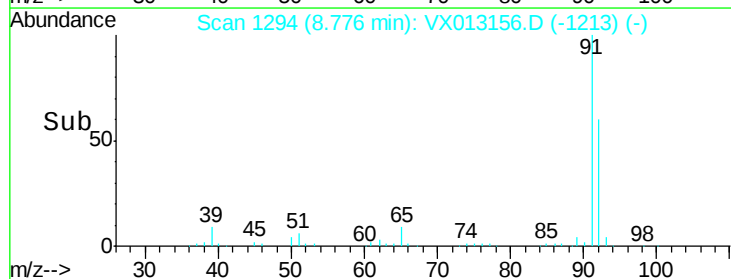
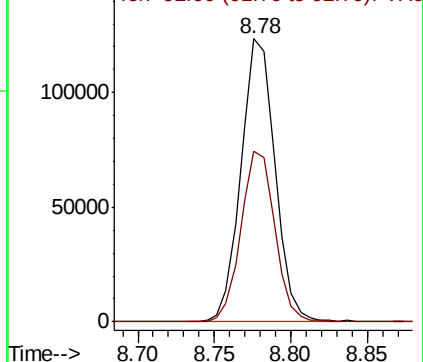
91 100

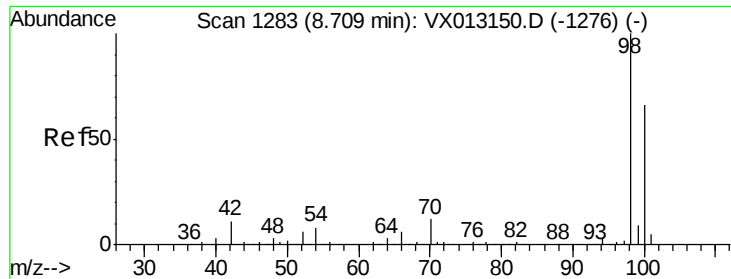
92 59.9 47.7 71.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





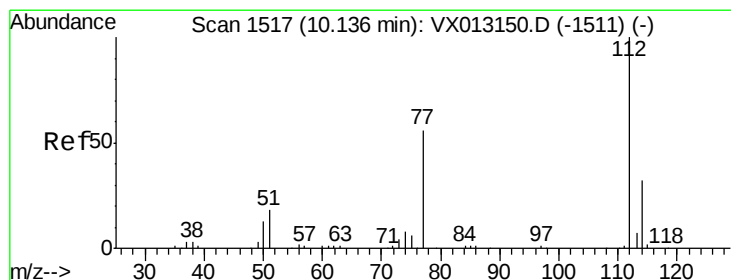
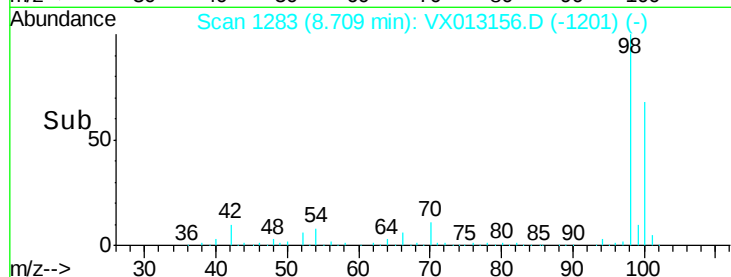
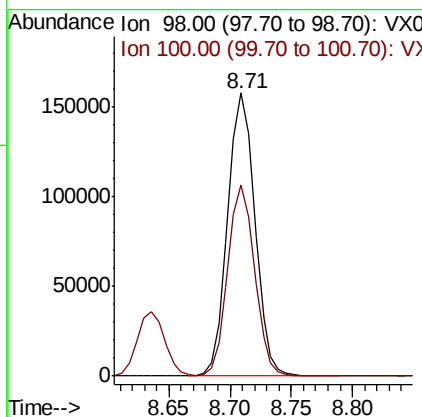
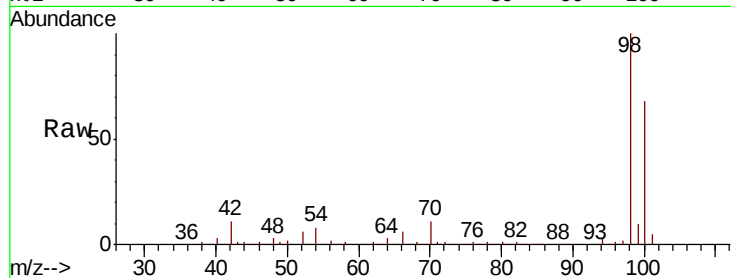
#63
Toluene-d8
Concen: 30.350 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013156.D
Acq: 21 Oct 2019 16:54

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBS01

Tot Ion: 98 Resp: 243549
Ion Ratio Lower Upper
98 100
100 66.1 53.1 79.7

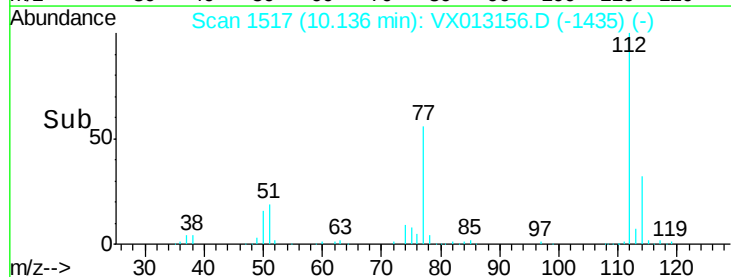
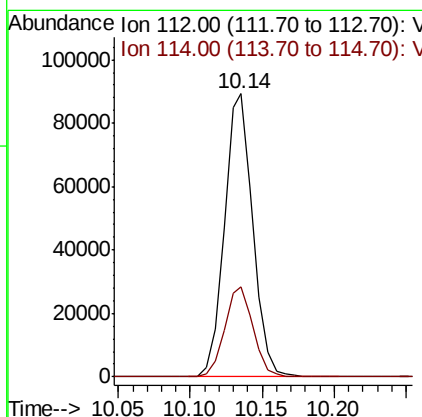
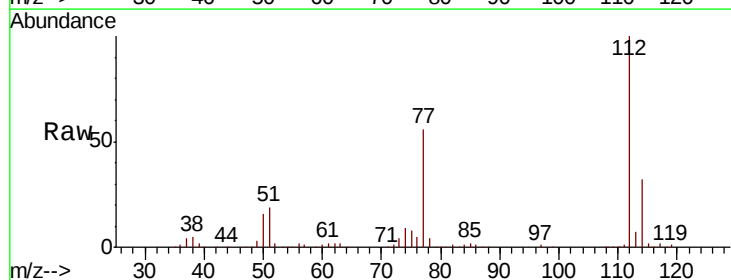
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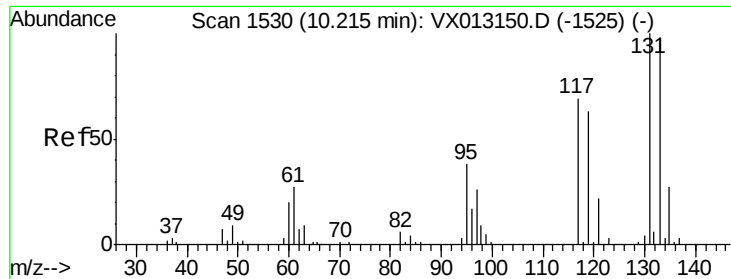
MMDadoda
10/22/2019 12:31:58 PM



#64
Chlorobenzene
Concen: 19.738 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX013156.D
Acq: 21 Oct 2019 16:54

Tgt Ion: 112 Resp: 123261
Ion Ratio Lower Upper
112 100
114 31.7 25.5 38.3





#65

1,1,1,2-Tetrachloroethane

Concen: 19.271 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VX013156.D

Acq: 21 Oct 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

VX1021WBS01

Tot Ion:131 Resp: 45083

Ion Ratio Lower Upper

131 100

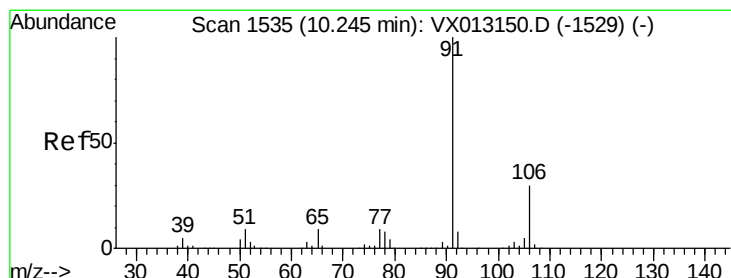
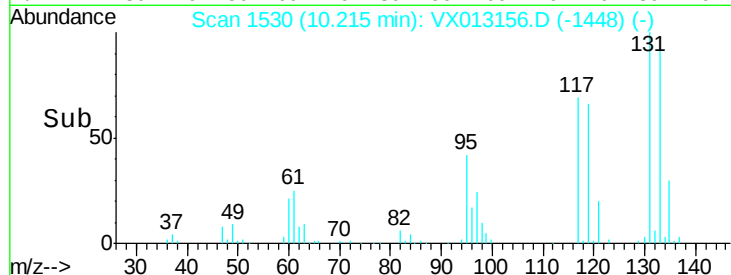
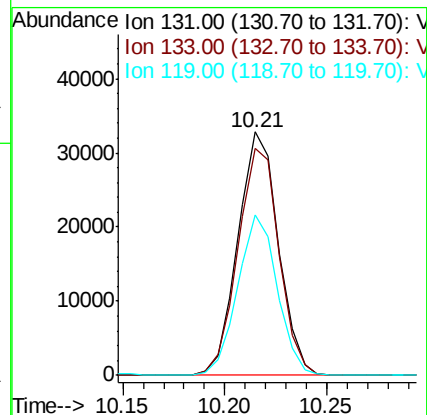
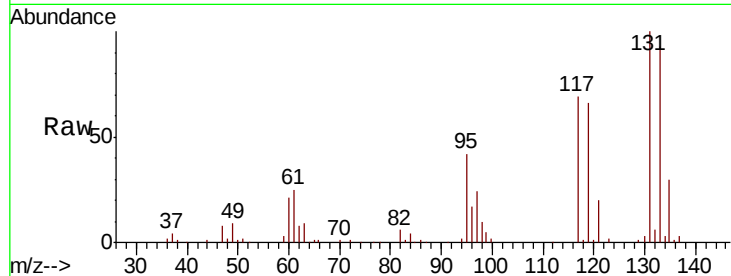
133 94.9 0.0 191.0

119 64.3 0.0 125.6

Manual Integrations
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#66

Ethyl Benzene

Concen: 19.441 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VX013156.D

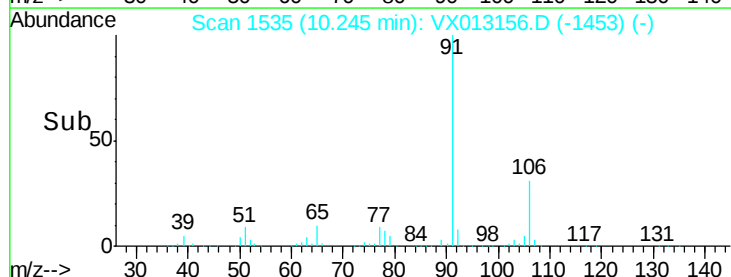
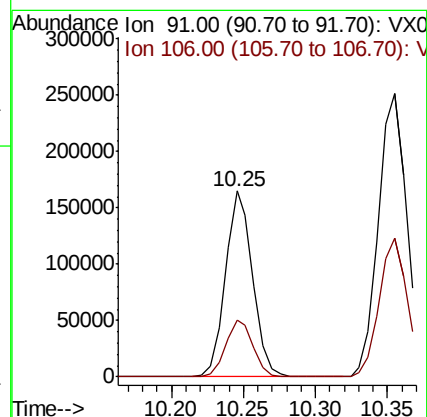
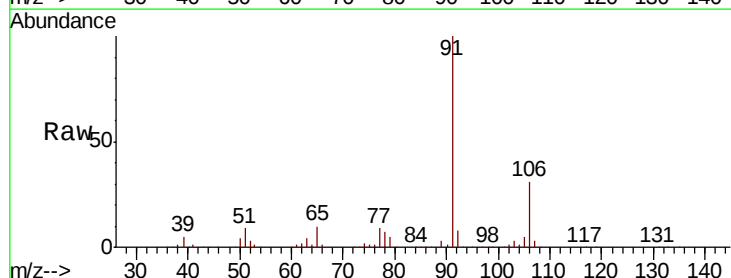
Acq: 21 Oct 2019 16:54

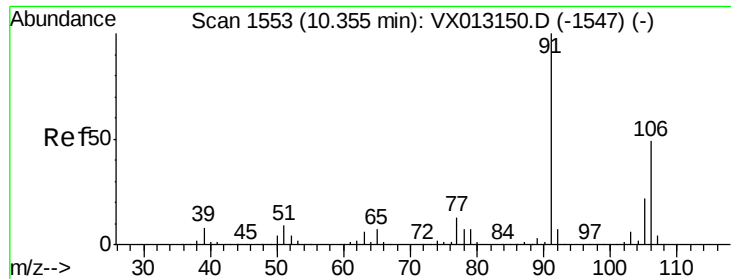
Tgt Ion: 91 Resp: 217935

Ion Ratio Lower Upper

91 100

106 30.9 23.8 35.6





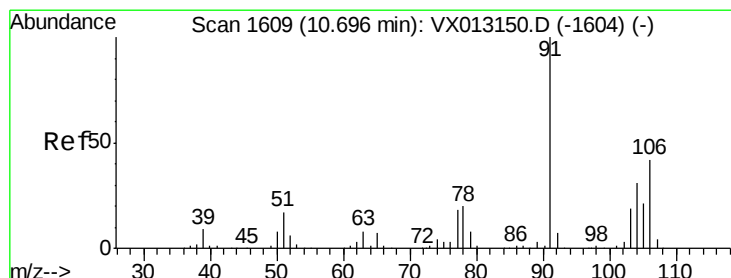
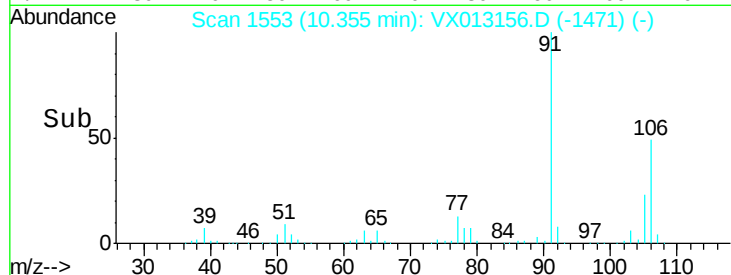
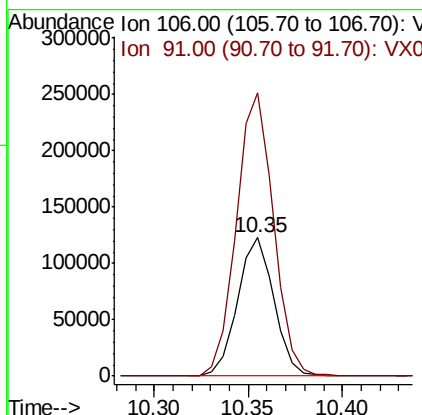
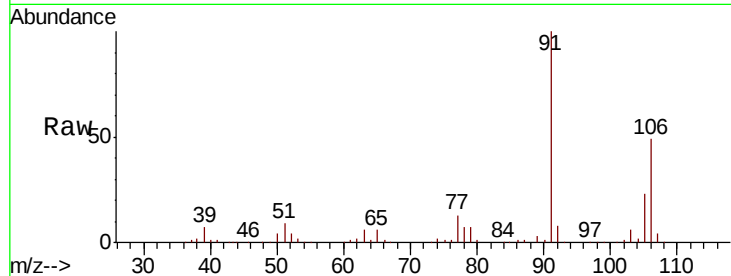
#67
m/p-Xylenes
Concen: 38.610 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX013156.D
Acq: 21 Oct 2019 16:54

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBS01

Tot Ion:106 Resp: 164494
Ion Ratio Lower Upper
106 100
91 207.6 163.7 245.5

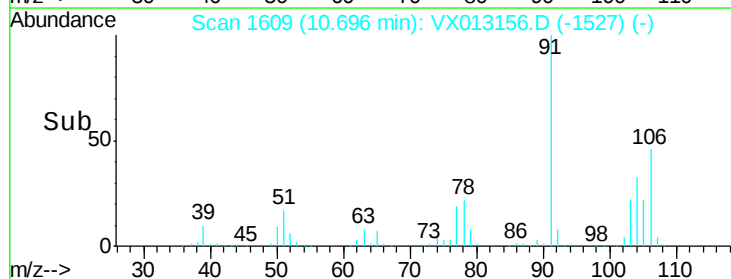
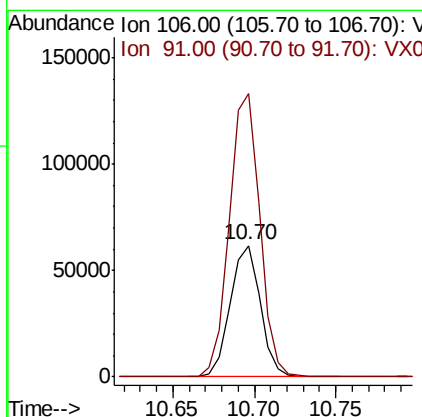
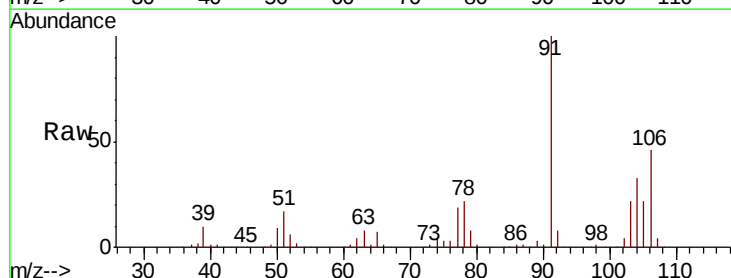
Manual Integrations
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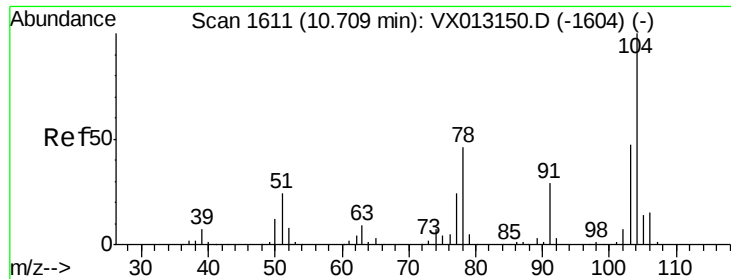
MMDadoda
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#68
o-Xylene
Concen: 19.502 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX013156.D
Acq: 21 Oct 2019 16:54

Tgt Ion:106 Resp: 79316
Ion Ratio Lower Upper
106 100
91 218.0 113.6 340.8





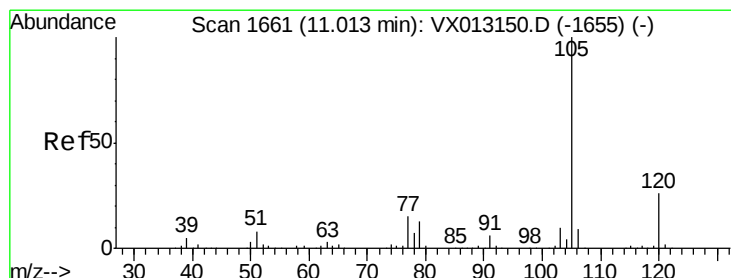
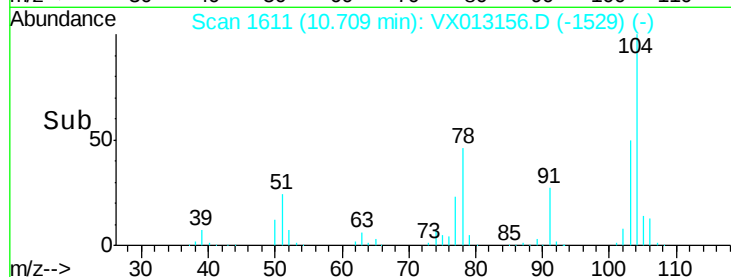
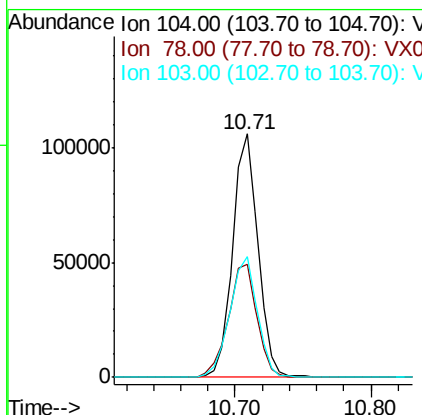
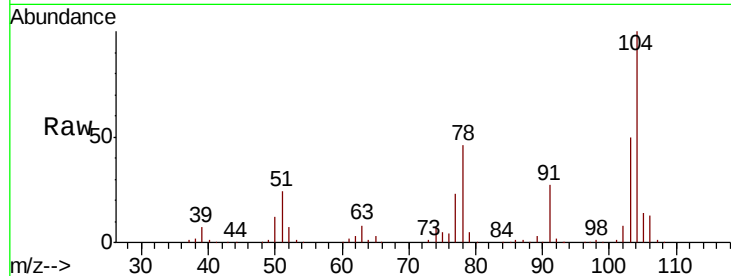
#69
Stvrene
Concen: 19.670 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX013156.D
Acq: 21 Oct 2019 16:54

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	52.6	42.3	63.5
103	53.7	42.2	63.2

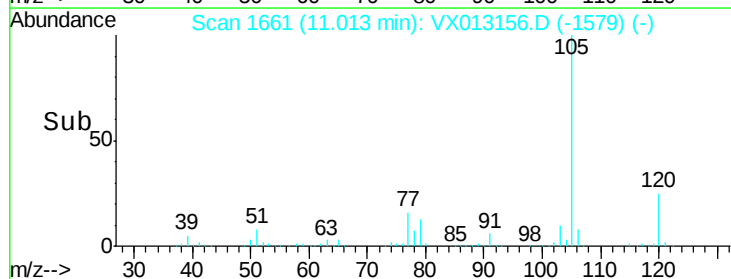
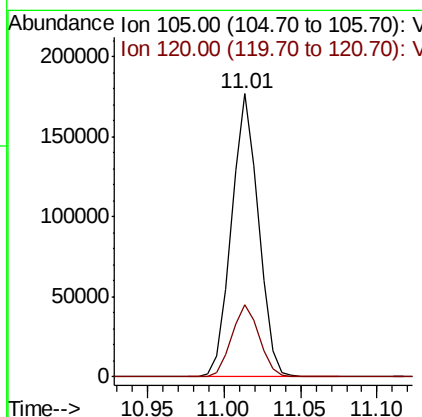
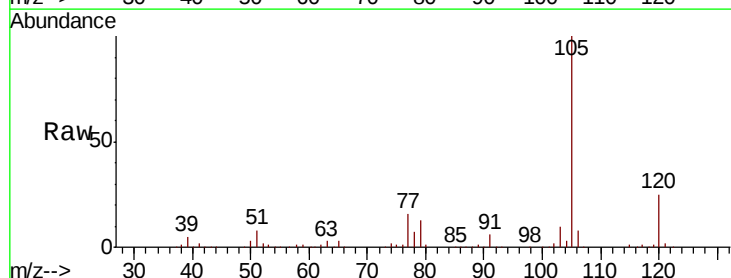
Manual Integrations
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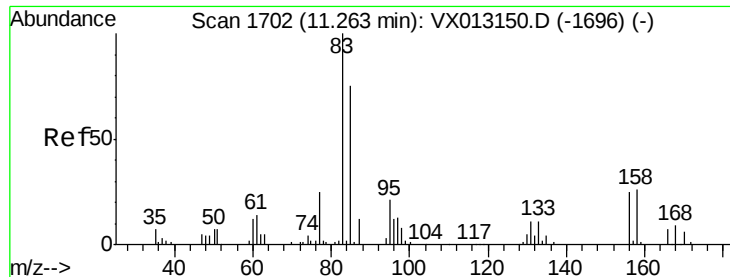
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#70
Isopropylbenzene
Concen: 19.356 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX013156.D
Acq: 21 Oct 2019 16:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.0	18.1	33.7





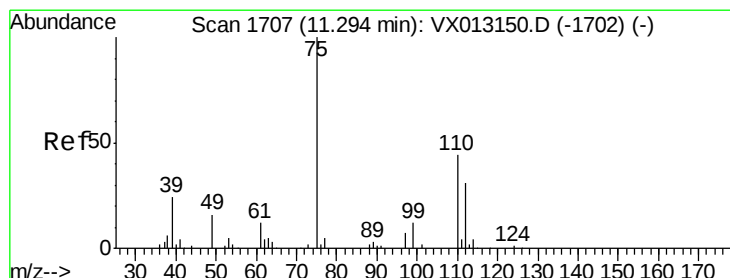
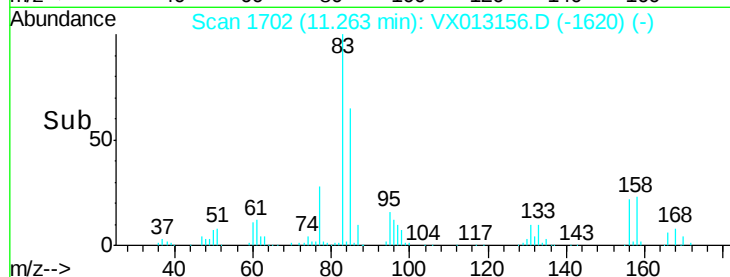
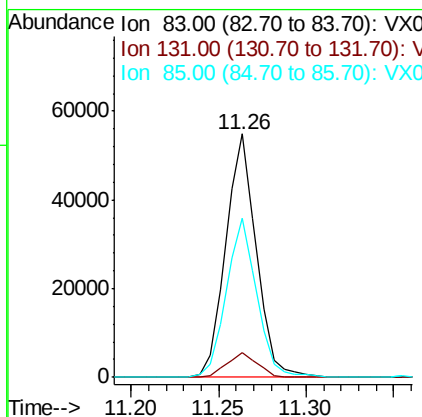
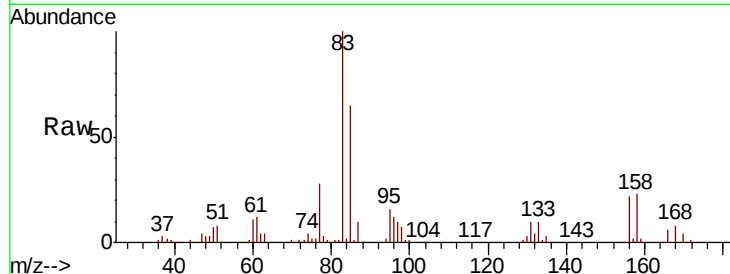
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.496 ug/l
 RT: 11.26 min Scan# 1702
 Delta R.T. -0.00 min
 Lab File: VX013156.D
 Acq: 21 Oct 2019 16:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1021WBS01

Tot Ion	83	Resp	66672
Ion Ratio	100	Lower	Upper
83	100		
131	10.2	5.5	16.4
85	65.4	32.9	98.6

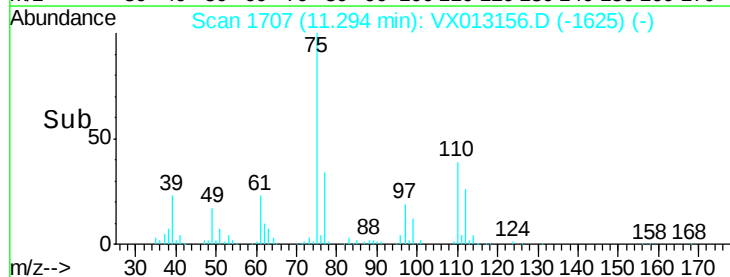
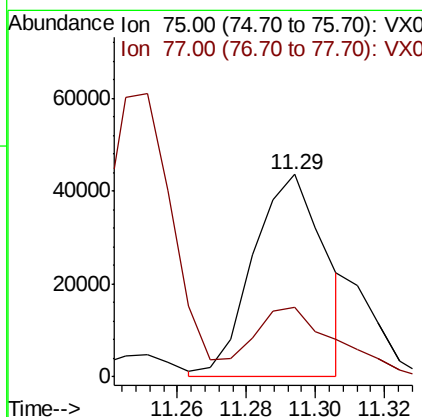
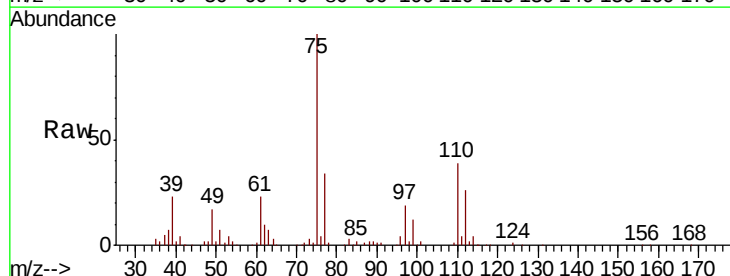
Manual Integrations
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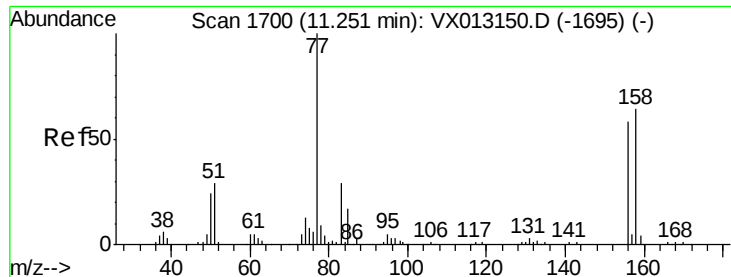
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#72
 1,2,3-Trichloropropane
 Concen: 21.243 ug/l m
 RT: 11.29 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: VX013156.D
 Acq: 21 Oct 2019 16:54

Tgt Ion	75	Resp	63095
Ion Ratio	100	Lower	Upper
75	100		
77	40.7	0.0	74.0





#73

Bromobenzene

Concen: 19.347 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX013156.D

Acq: 21 Oct 2019 16:54

Instrument :

MSVOA_X

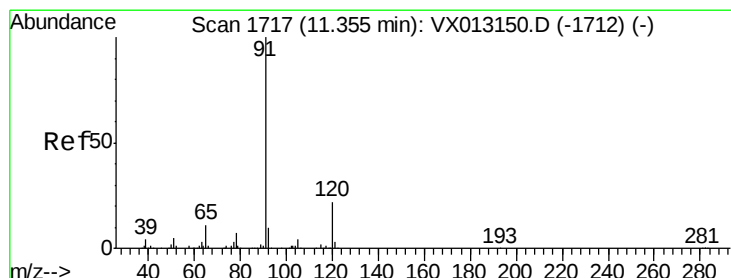
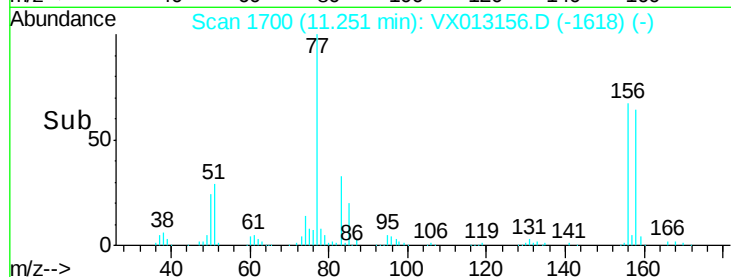
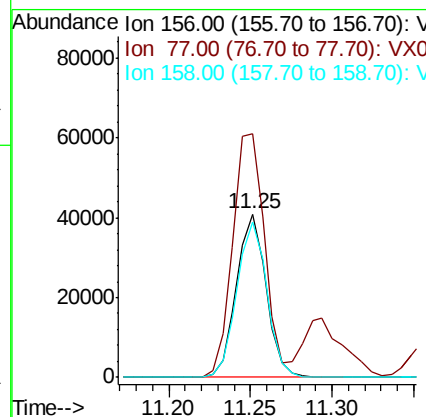
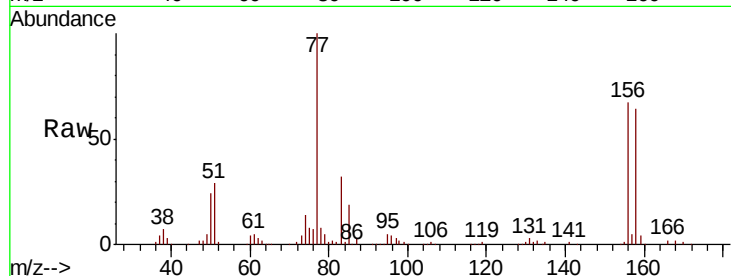
ClientSampleId :

VX1021WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	159.3	0.0	328.0
158	96.2	0.0	196.2

Manual Integrations
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#74

n-propylbenzene

Concen: 19.485 ug/l

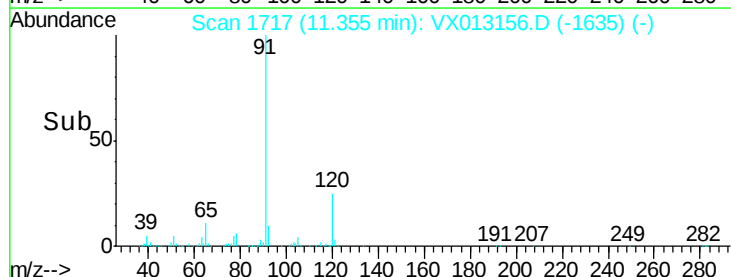
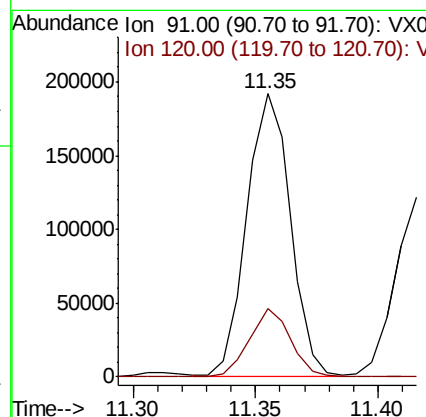
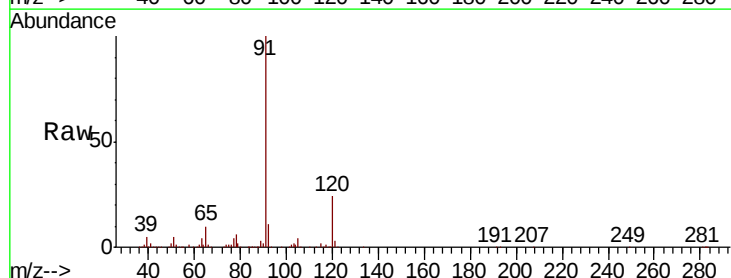
RT: 11.35 min Scan# 1717

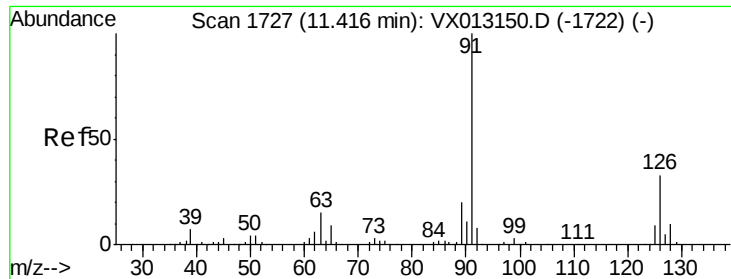
Delta R.T. -0.00 min

Lab File: VX013156.D

Acq: 21 Oct 2019 16:54

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.6	0.0	45.2





#75

2-Chlorotoluene

Concen: 19.002 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX013156.D

Acq: 21 Oct 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

VX1021WBS01

Tot Ion: 91 Resp: 145642

Ion Ratio Lower Upper

91 100

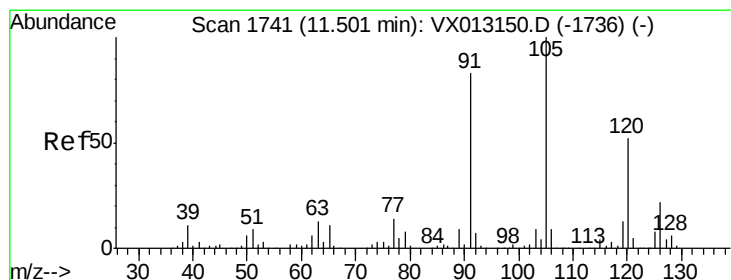
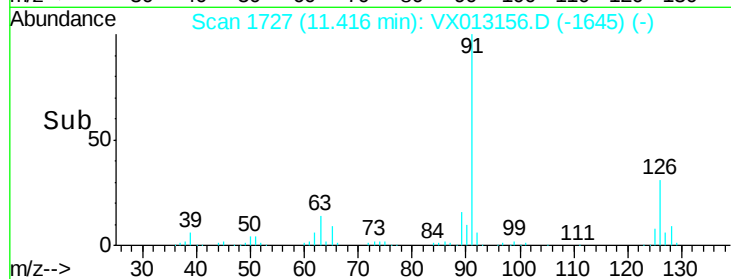
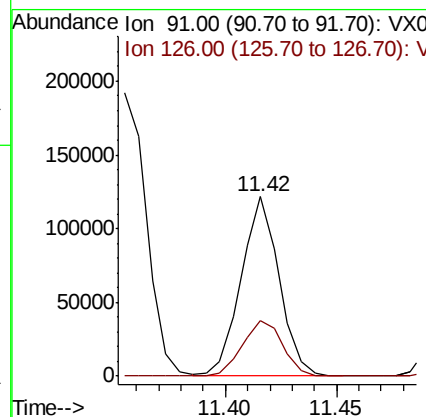
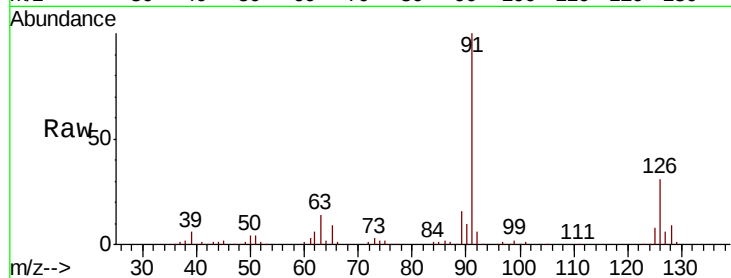
126 32.9 0.0 63.8

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 19.272 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX013156.D

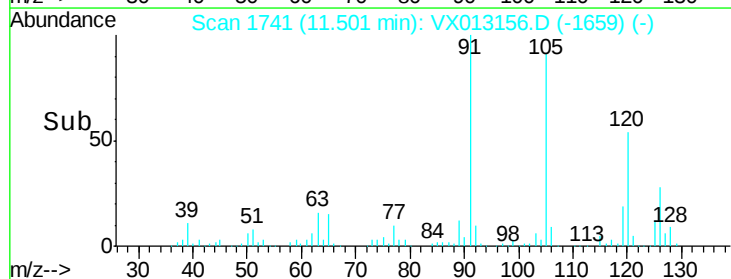
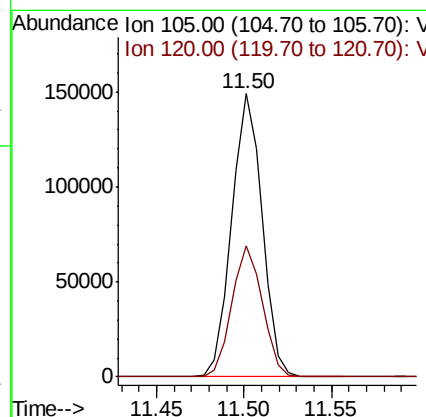
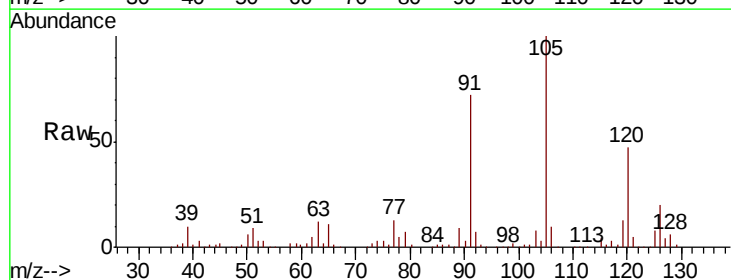
Acq: 21 Oct 2019 16:54

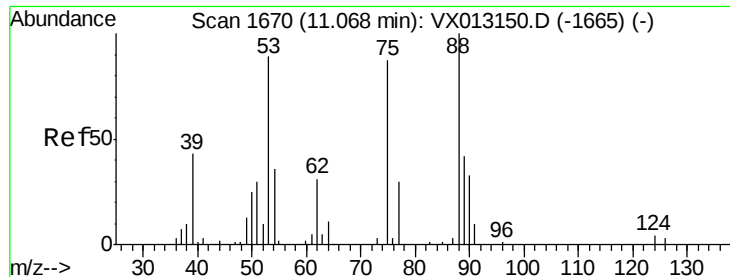
Tgt Ion: 105 Resp: 180543

Ion Ratio Lower Upper

105 100

120 46.5 0.0 98.0





#77

t-1,4-Dichloro-2-butene

Concen: 17.809 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VX013156.D

Acq: 21 Oct 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

VX1021WBS01

Tot Ion: 75 Resp: 20538

Ion Ratio Lower Upper

75 100

53 100.4 51.1 153.4

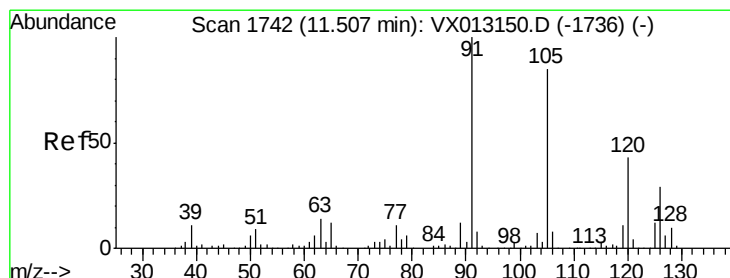
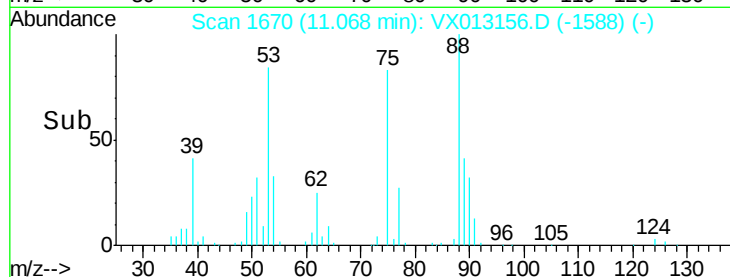
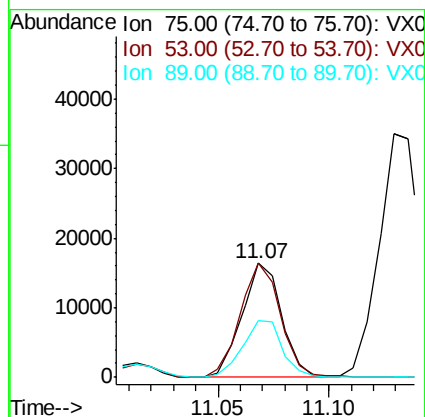
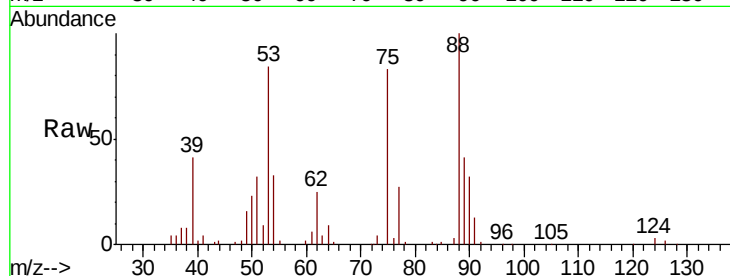
89 49.8 24.1 72.4

Manual Integrations

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#78

4-Chlorotoluene

Concen: 18.536 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX013156.D

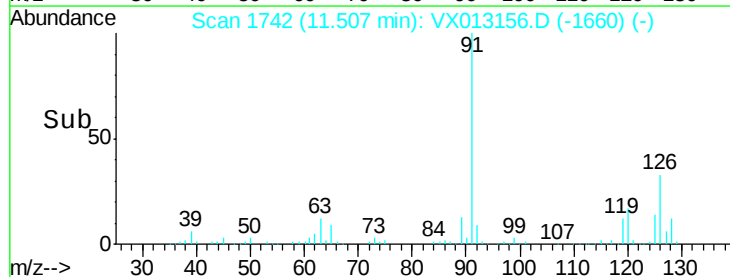
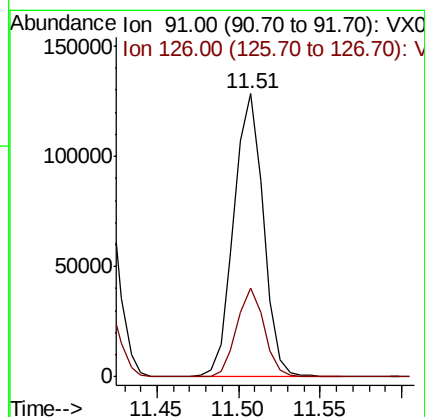
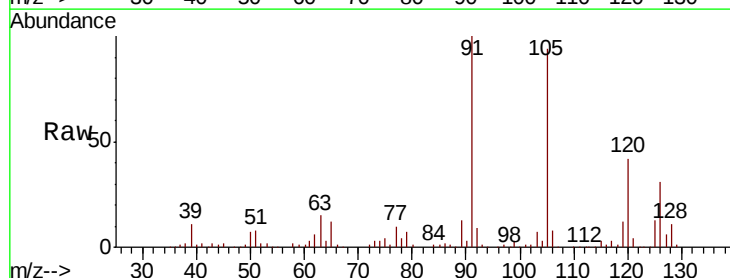
Acq: 21 Oct 2019 16:54

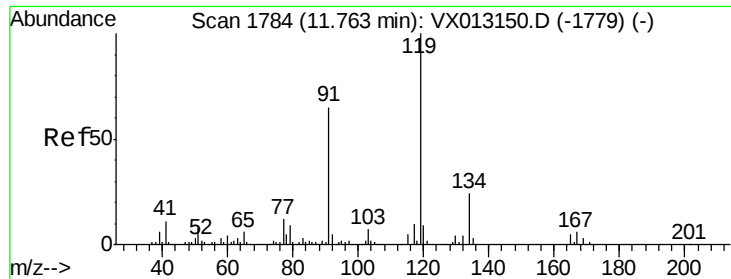
Tgt Ion: 91 Resp: 162341

Ion Ratio Lower Upper

91 100

126 29.2 0.0 58.4





#79

tert-butylbenzene

Concen: 19.176 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. -0.00 min

Lab File: VX013156.D

Acq: 21 Oct 2019 16:54

Instrument :

MSVOA_X

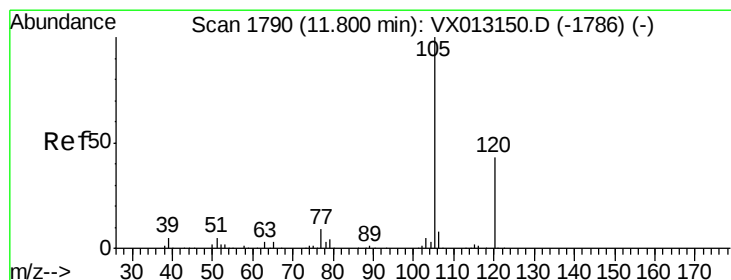
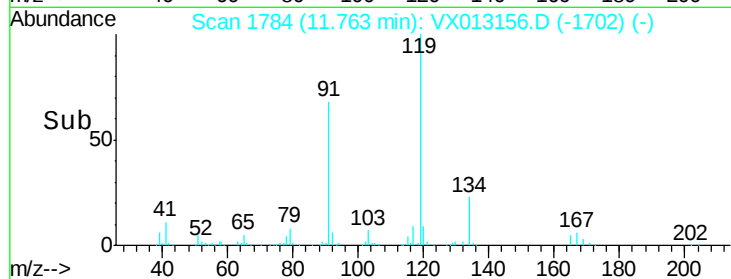
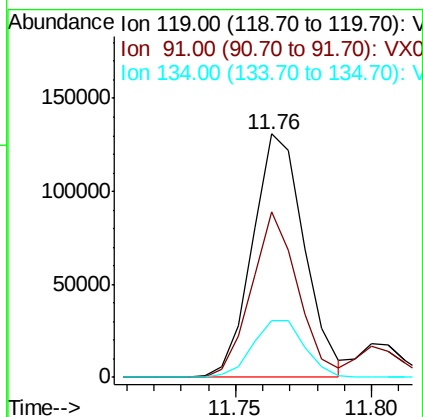
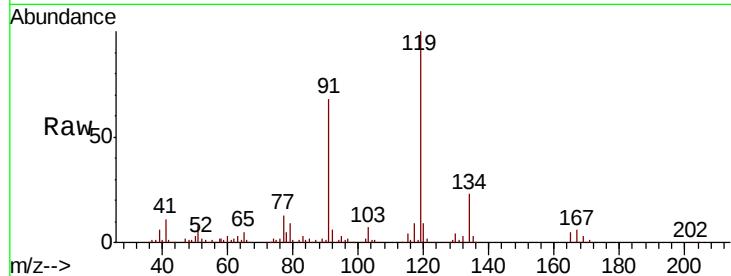
ClientSampleId :

VX1021WBS01

Tot Ion:	119	Resp:	172983
Ion Ratio	Lower	Upper	
119	100		
91	61.0	0.0	128.4
134	23.4	0.0	49.0

Manual Integrations
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#80

1,2,4-Trimethylbenzene

Concen: 19.648 ug/l

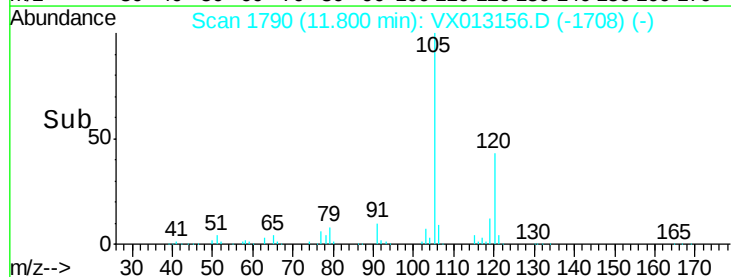
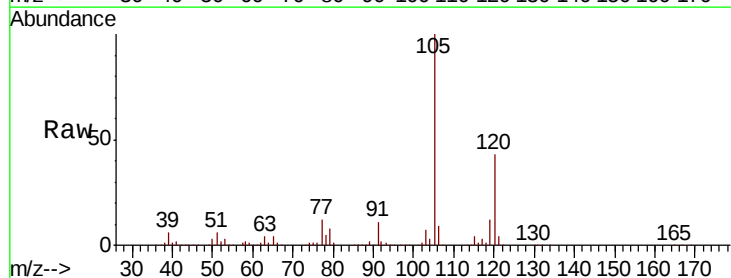
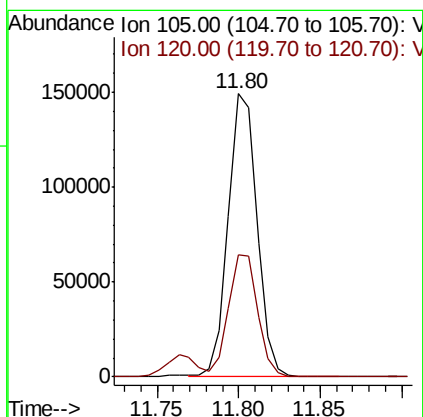
RT: 11.80 min Scan# 1790

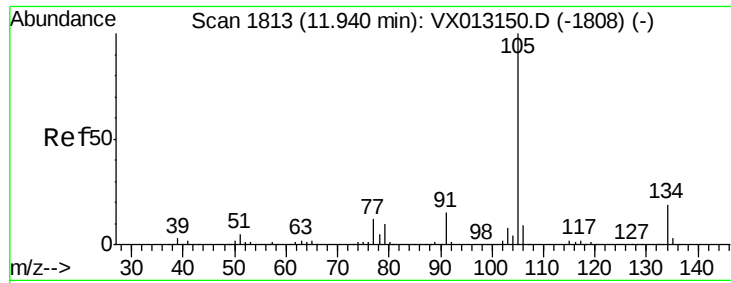
Delta R.T. -0.00 min

Lab File: VX013156.D

Acq: 21 Oct 2019 16:54

Tgt Ion:	105	Resp:	183878
Ion Ratio	Lower	Upper	
105	100		
120	43.4	0.0	87.4





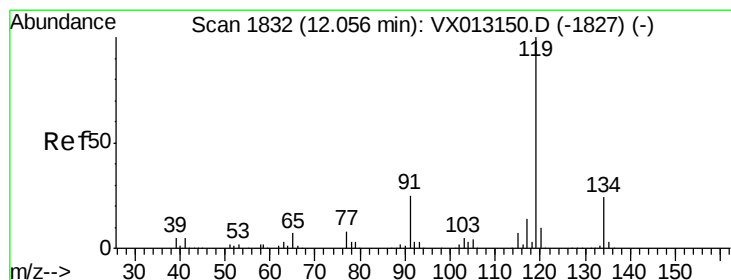
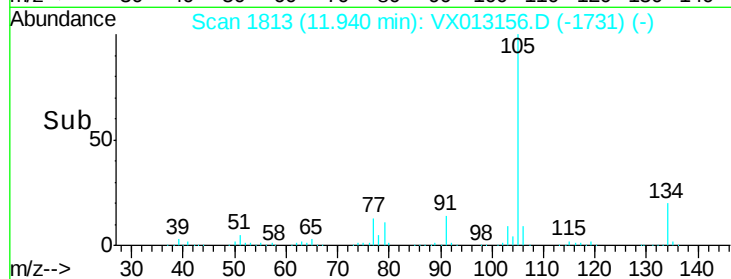
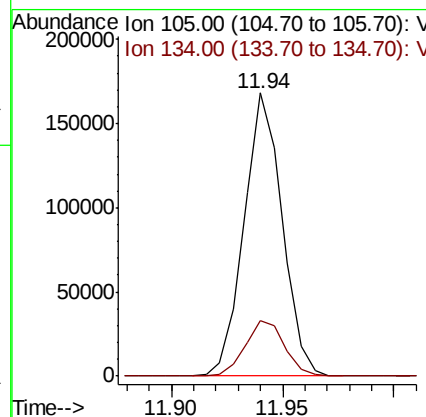
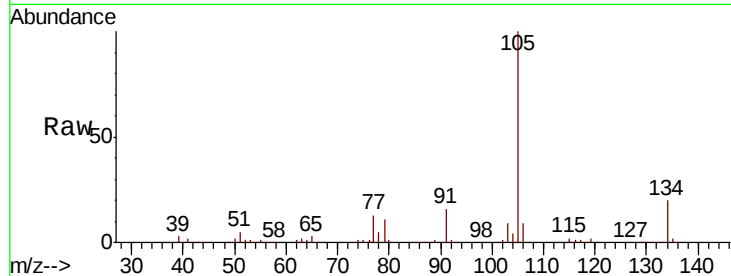
#81
 sec-Butylbenzene
 Concen: 18.752 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VX013156.D
 Acq: 21 Oct 2019 16:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1021WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	201518		
134	20.3	0.0	39.2	

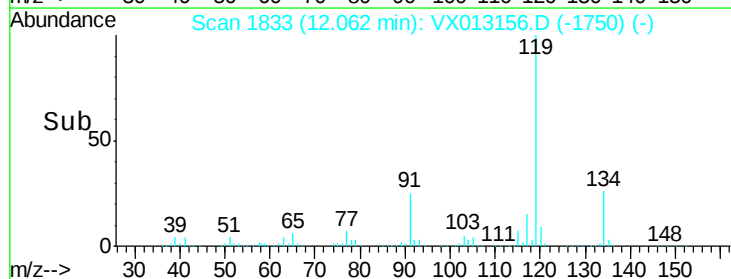
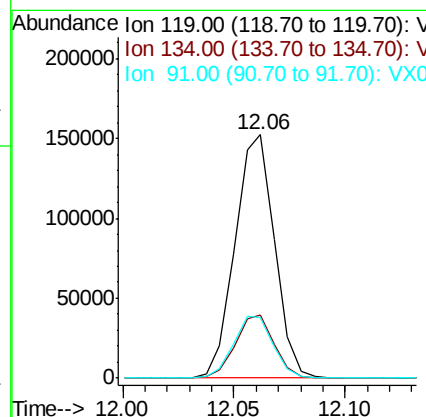
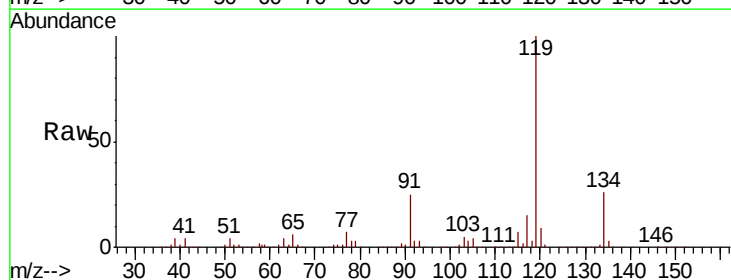
Manual Integrations
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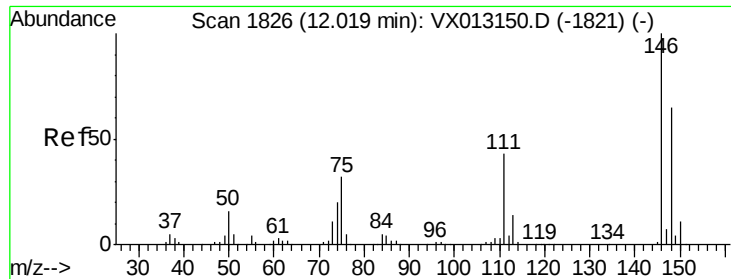
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#82
 p-Isopropyltoluene
 Concen: 19.054 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.01 min
 Lab File: VX013156.D
 Acq: 21 Oct 2019 16:54

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	187220		
134	25.6	0.0	51.6	
91	25.7	0.0	50.0	





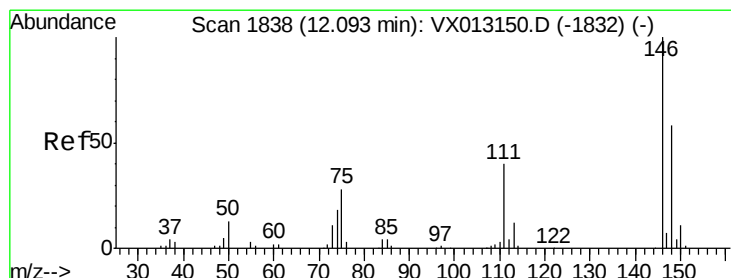
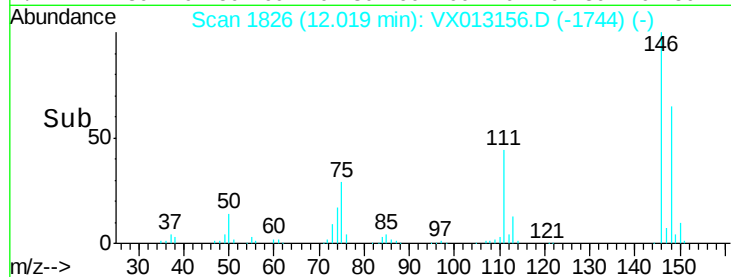
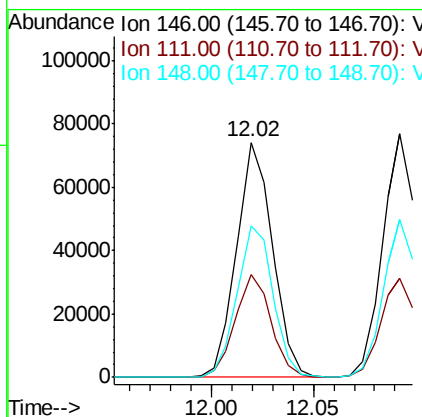
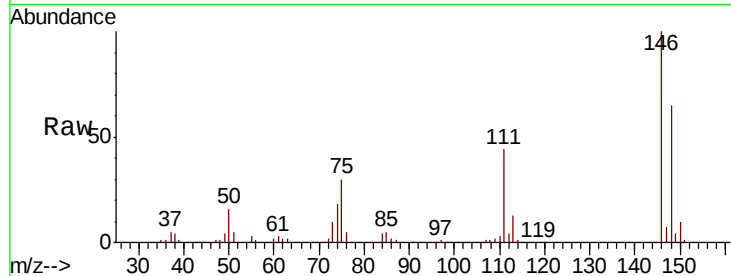
#83
 1,3-Dichlorobenzene
 Concen: 18.584 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX013156.D
 Acq: 21 Oct 2019 16:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1021WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.8	65.4
148	64.9	31.2	93.6

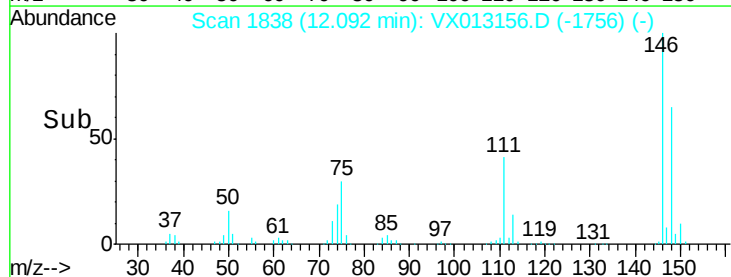
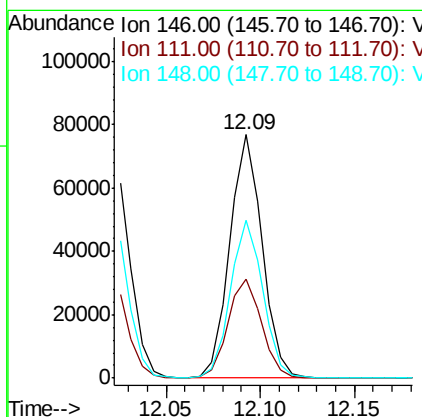
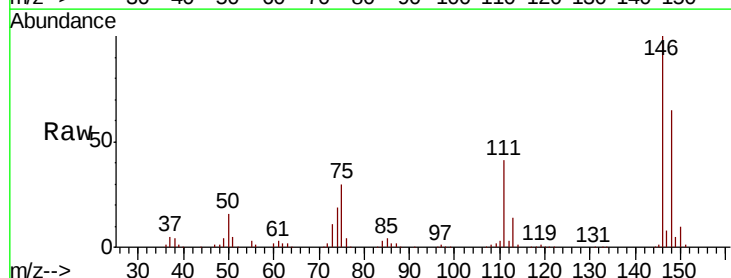
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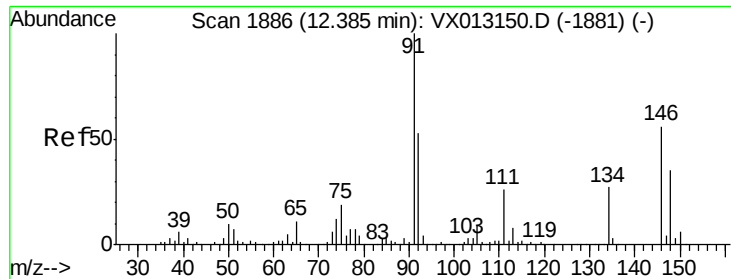
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#84
 1,4-Dichlorobenzene
 Concen: 18.997 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX013156.D
 Acq: 21 Oct 2019 16:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.3	60.9
148	64.7	31.4	94.2





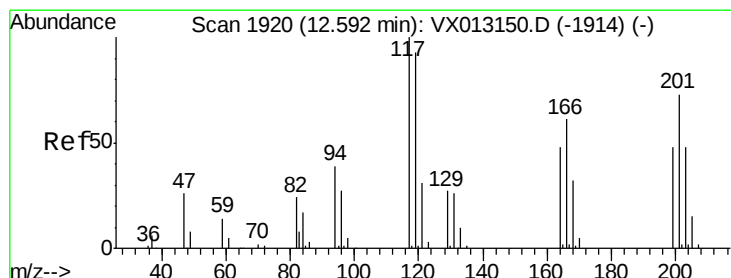
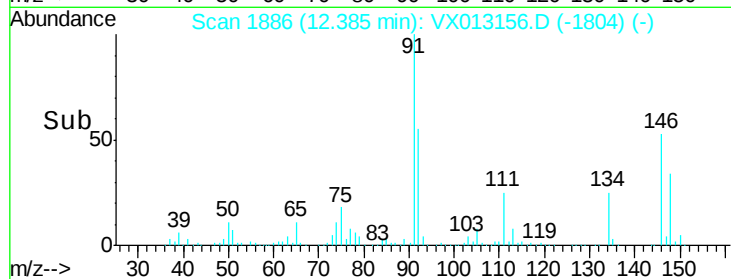
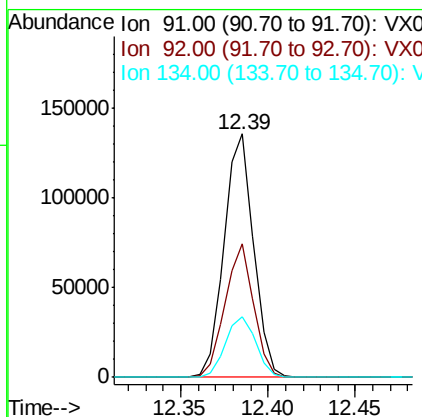
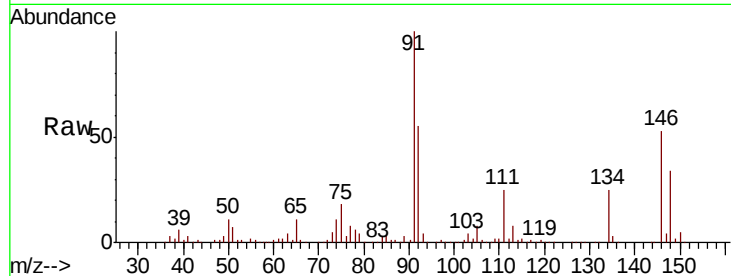
#85
n-Butylbenzene
Concen: 19.088 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX013156.D
Acq: 21 Oct 2019 16:54

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	159312		
92	52.9	0.0	106.8	
134	25.7	0.0	52.4	

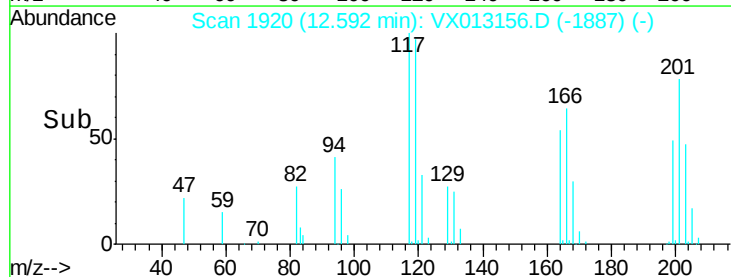
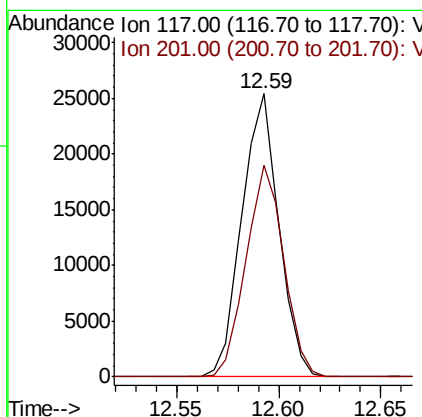
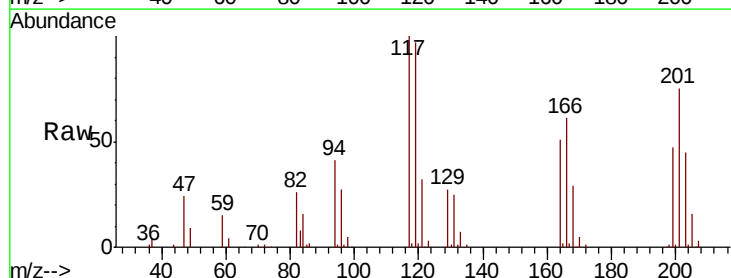
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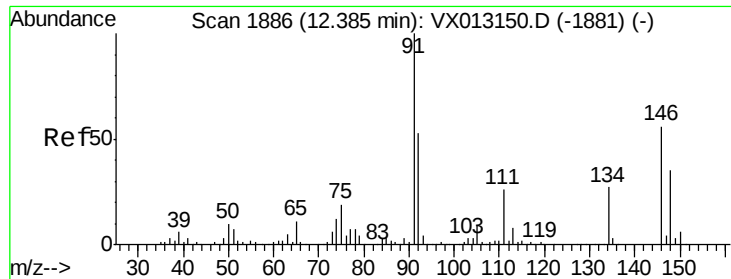
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#86
Hexachloroethane
Concen: 18.685 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX013156.D
Acq: 21 Oct 2019 16:54

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	32044		
201	76.3	35.9	107.5	





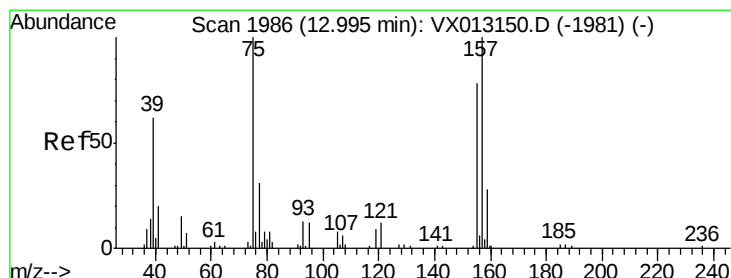
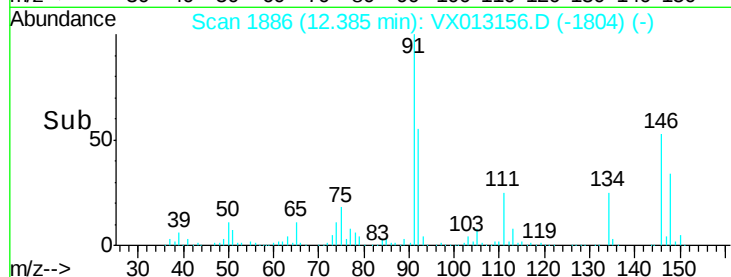
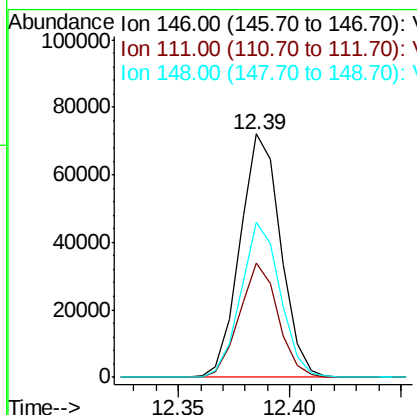
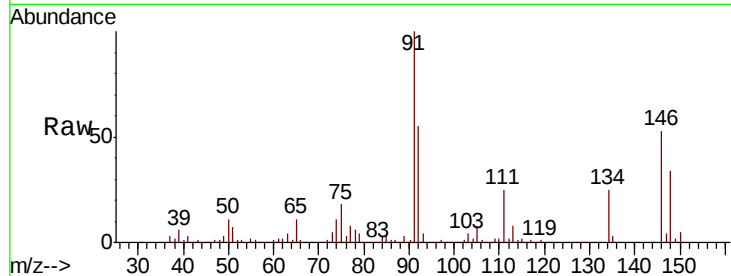
#87
 1,2-Dichlorobenzene
 Concen: 19.353 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX013156.D
 Acq: 21 Oct 2019 16:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1021WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.7	22.5	67.5
148	62.1	31.4	94.2

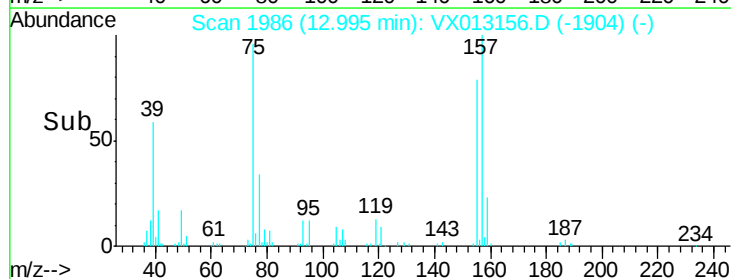
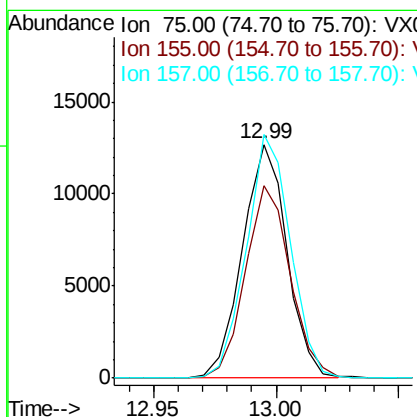
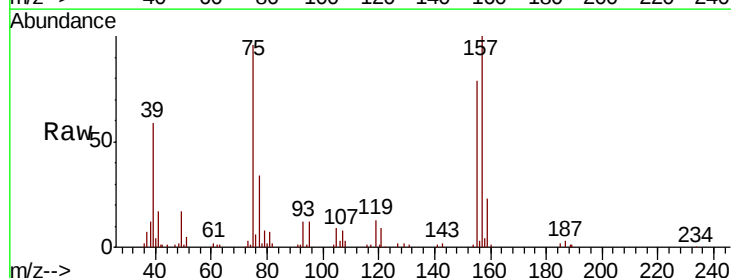
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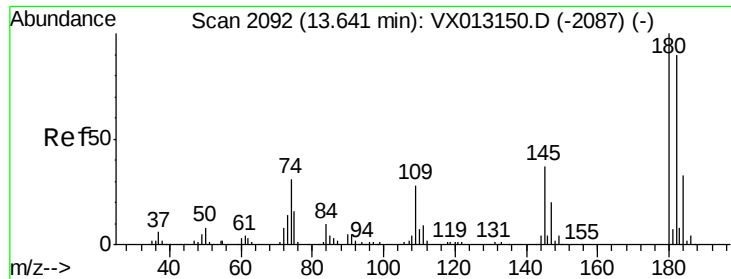
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.991 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX013156.D
 Acq: 21 Oct 2019 16:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.9	65.4	98.0
157	103.7	84.1	126.1





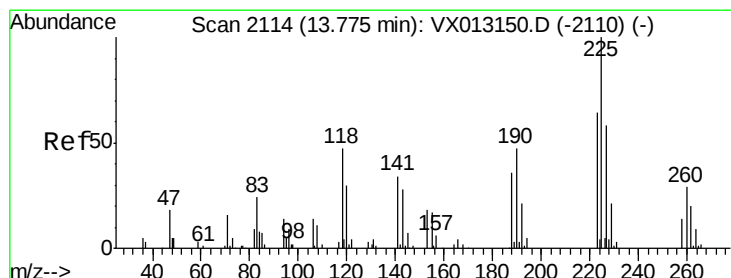
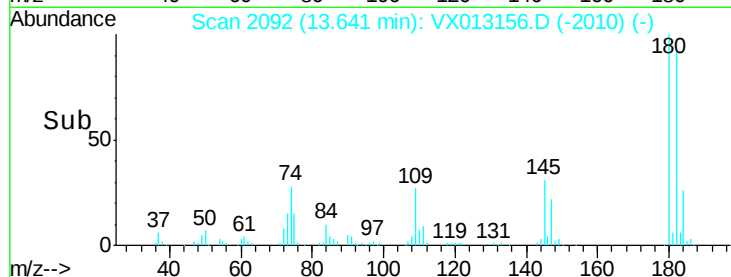
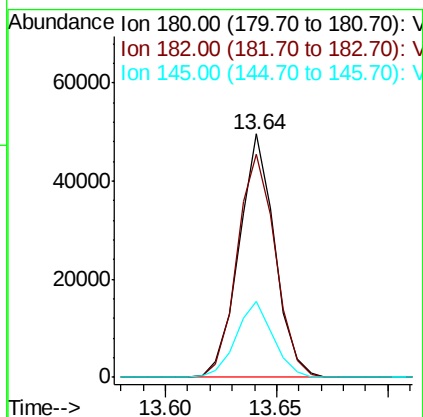
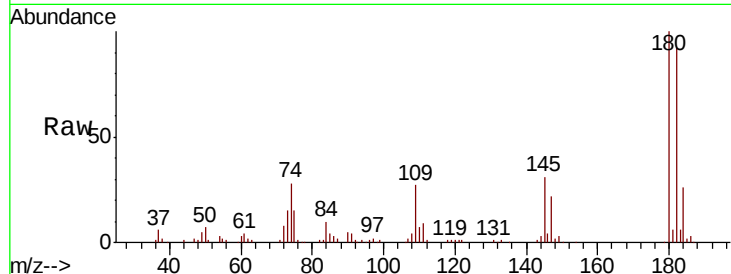
#89
1,2,4-Trichlorobenzene
Concen: 18.846 ug/l
RT: 13.64 min Scan# 2092
Delta R.T. -0.00 min
Lab File: VX013156.D
Acq: 21 Oct 2019 16:54

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	55610		
182	97.8		76.1	114.1
145	32.4		27.4	41.2

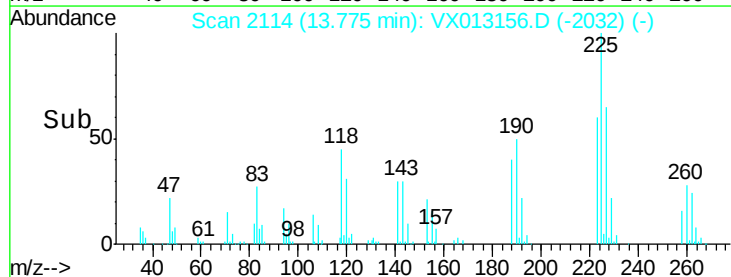
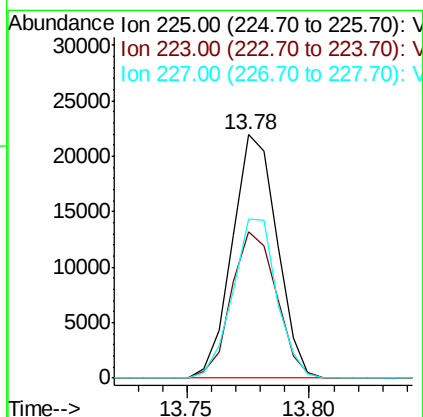
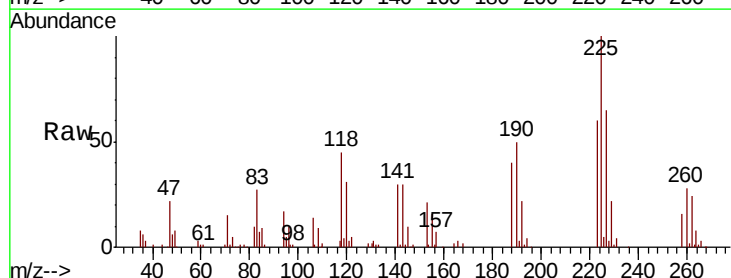
Manual Integrations
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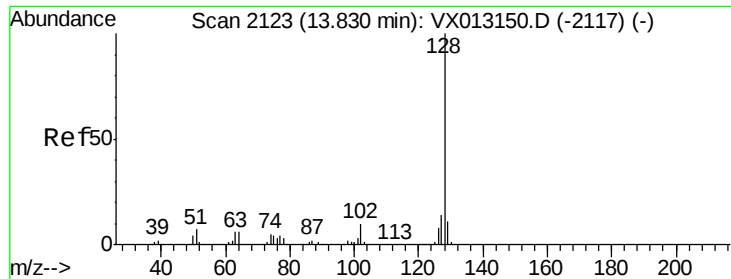
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#90
Hexachlorobutadiene
Concen: 18.670 ug/l
RT: 13.78 min Scan# 2114
Delta R.T. -0.00 min
Lab File: VX013156.D
Acq: 21 Oct 2019 16:54

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	27971		
223	60.5		0.0	131.2
227	64.2		0.0	127.0





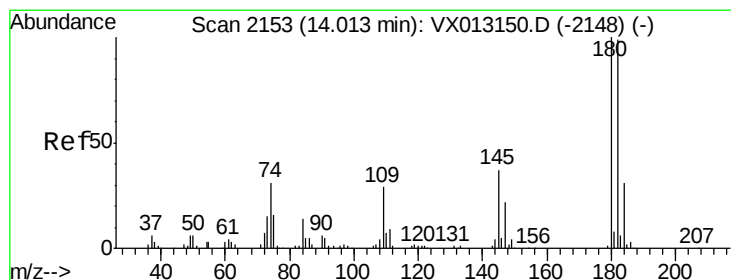
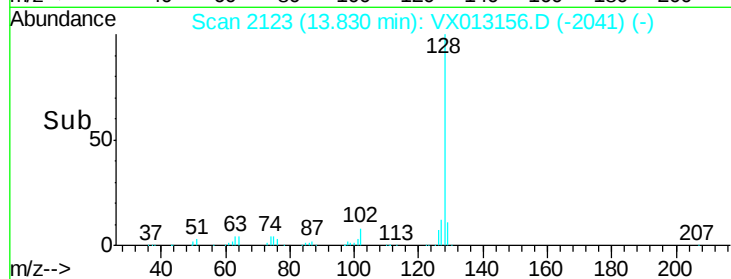
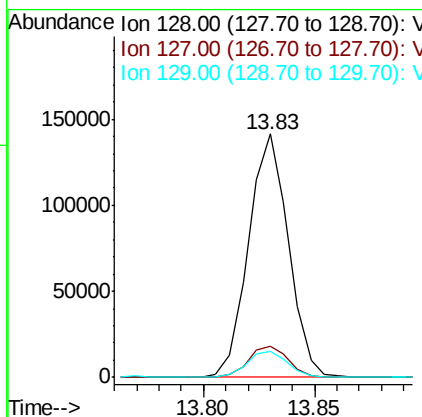
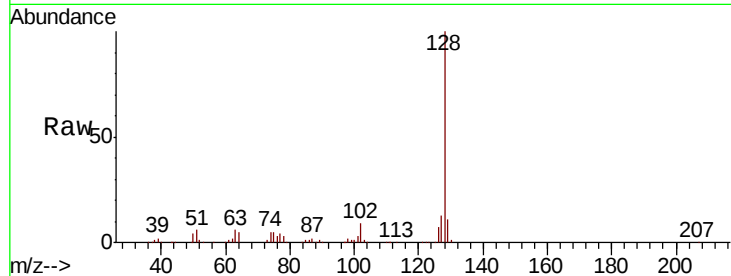
#91
Naphthalene
Concen: 18.335 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX013156.D
Acq: 21 Oct 2019 16:54

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/22/2019 12:31:58 PM



#92
1,2,3-Trichlorobenzene
Concen: 19.461 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.00 min
Lab File: VX013156.D
Acq: 21 Oct 2019 16:54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	90.9	0.0	194.4
145	33.7	0.0	71.2

