

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101619\
 Data File : VX013089.D
 Acq On : 16 Oct 2019 11:43
 Operator : JC/SP
 Sample : VSTDIC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 10/18/2019 4:52:02 PM

Quant Time: Oct 17 02:33:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X101619W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Oct 17 02:18:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.00	128	27911	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	166280	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	146876	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	65879	33.85	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	112.83%
60) 4-Bromofluorobenzene	11.14	95	80663	32.76	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	109.20%
63) Toluene-d8	8.71	98	201126	30.87	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.90%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	203203	111.288	ug/l 100
3) Chloromethane	1.32	50	191314	117.013	ug/l 99
4) Vinyl Chloride	1.40	62	200853	119.094	ug/l 97
5) Bromomethane	1.62	94	82720	90.313	ug/l 100
6) Chloroethane	1.70	64	117506	114.500	ug/l 99
7) Trichlorofluoromethane	1.91	101	288675	104.705	ug/l 98
8) Diethyl Ether	2.18	74	106900	114.797	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	181242	116.252	ug/l 98
10) 1,1-Dichloroethene	2.36	96	181744	116.304	ug/l 100
11) Methyl Iodide	2.50	142	247929	119.851	ug/l 99
12) Methyl Acetate	2.76	43	253007	115.833	ug/l 98
13) Acrolein	2.28	56	191829	706.373	ug/l 97
14) Acrylonitrile	3.13	53	532914	613.454	ug/l 100
15) Acetone	2.44	58	182563	685.943	ug/l 94
16) Carbon Disulfide	2.56	76	495668	121.717	ug/l 98
17) Allyl chloride	2.72	41	310641	131.831	ug/l 95
18) Methylene Chloride	2.84	84	201230	114.654	ug/l 95
19) trans-1,2-Dichloroethene	3.15	96	193240	116.472	ug/l 95
20) Diisopropyl ether	3.84	45	584600	119.369	ug/l 99
21) 1,1-Dichloroethane	3.69	63	339910	120.953	ug/l 99
22) cis-1,2-Dichloroethene	4.58	96	218999	114.806	ug/l 99
23) tert-Butyl Alcohol	3.05	59	264636	584.739	ug/l 100
24) Methyl tert-Butyl Ether	3.19	73	615612	120.249	ug/l 99
25) Chloroform	5.20	83	346697	113.731	ug/l 99
26) Cyclohexane	5.57	56	306636	119.906	ug/l # 98
29) 1,1-Dichloropropene	5.79	75	264498	111.837	ug/l 100
30) 2-Butanone	4.66	43	777809	590.968	ug/l 99
31) 2,2-Dichloropropane	4.57	77	297912	133.892	ug/l 98
32) 1,1,1-Trichloroethane	5.48	97	313680	109.834	ug/l 98
33) Carbon Tetrachloride	5.78	117	271161	108.946	ug/l 99
34) Benzene	6.14	78	781741	109.722	ug/l 99
35) Methacrylonitrile	5.03	41	152546	112.996	ug/l 97
36) 1,2-Dichloroethane	6.18	62	279190	108.833	ug/l 99
37) Trichloroethene	7.20	130	209887	102.567	ug/l 99
38) Methylcyclohexane	7.46	83	330939	111.704	ug/l 98
39) 1,2-Dichloropropane	7.51	63	192936	107.911	ug/l 98
40) Dibromomethane	7.65	93	135857	105.670	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	274998	114.316	ug/l	99
42) Vinyl Acetate	3.80	43	2588500	598.883	ug/l	99
43) Ethyl Acetate	4.82	43	281464	114.273	ug/l	98
44) Isopropyl Acetate	6.43	43	462025	114.091	ug/l	99
45) 1,4-Dioxane	7.73	88	117590	2303.832	ug/l	97
46) Methyl methacrylate	7.76	41	227131	116.245	ug/l	93
47) n-amyl Acetate	10.89	43	418019	117.685	ug/l	98
48) t-1,3-Dichloropropene	9.04	75	314550	123.317	ug/l	95
49) cis-1,3-Dichloropropene	8.43	75	337253	120.885	ug/l	99
50) 1,1,2-Trichloroethane	9.21	97	200177	105.657	ug/l	99
51) Ethyl methacrylate	9.17	69	332868	113.049	ug/l	99
52) 1,3-Dichloropropane	9.37	76	336907	109.310	ug/l	100
53) Dibromochloromethane	9.58	129	217137	106.353	ug/l	98
54) 1,2-Dibromoethane	9.67	107	211994	102.786	ug/l	97
55) 2-Chloroethyl vinyl ether	8.31	63	725668	575.604	ug/l	100
56) Bromoform	10.85	173	159331	105.756	ug/l	98
58) 4-Methyl-2-Pentanone	8.64	43	1427597	566.544	ug/l	100
59) 2-Hexanone	9.49	43	1134884	585.184	ug/l	99
61) Tetrachloroethene	9.33	164	189494	97.805	ug/l	94
62) Toluene	8.78	91	838417	107.022	ug/l	100
64) Chlorobenzene	10.14	112	530486	105.799	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.21	131	198610	108.310	ug/l	97
66) Ethyl Benzene	10.25	91	972919	110.359	ug/l	100
67) m/p-Xylenes	10.35	106	730468	217.552	ug/l	98
68) o-Xylene	10.70	106	353993	107.447	ug/l	100
69) Styrene	10.71	104	627276	112.840	ug/l	99
70) Isopropylbenzene	11.01	105	941934	107.319	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.26	83	309890	109.097	ug/l	98
72) 1,2,3-Trichloropropane	11.29	75	246054m	104.412	ug/l	
73) Bromobenzene	11.25	156	229422	99.468	ug/l	94
74) n-propylbenzene	11.35	91	1085258	109.782	ug/l	100
75) 2-Chlorotoluene	11.42	91	658980	111.831	ug/l	100
76) 1,3,5-Trimethylbenzene	11.50	105	819018	110.442	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	113390	139.782	ug/l	92
78) 4-Chlorotoluene	11.51	91	763054	112.375	ug/l	99
79) tert-butylbenzene	11.77	119	791754	110.381	ug/l	98
80) 1,2,4-Trimethylbenzene	11.81	105	825950	110.458	ug/l	97
81) sec-Butylbenzene	11.94	105	945525	111.841	ug/l	100
82) p-Isopropyltoluene	12.06	119	877328	112.558	ug/l	100
83) 1,3-Dichlorobenzene	12.02	146	422736	102.790	ug/l	97
84) 1,4-Dichlorobenzene	12.09	146	426109	104.767	ug/l	97
85) n-Butylbenzene	12.39	91	739422	111.091	ug/l	98
86) Hexachloroethane	12.59	117	156348	122.977	ug/l	92
87) 1,2-Dichlorobenzene	12.39	146	405225	101.626	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	12.99	75	75626	120.478	ug/l	97
89) 1,2,4-Trichlorobenzene	13.64	180	262721	96.586	ug/l	99
90) Hexachlorobutadiene	13.78	225	127881	98.379	ug/l	97
91) Naphthalene	13.83	128	900477	107.028	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	258809	95.348	ug/l	98

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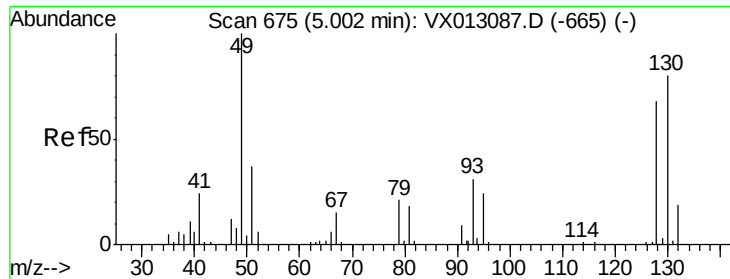
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.00 min Scan# 675

Delta R.T. -0.00 min

Lab File: VX013089.D

Acq: 16 Oct 2019 11:43

Instrument :

MSVOA_X

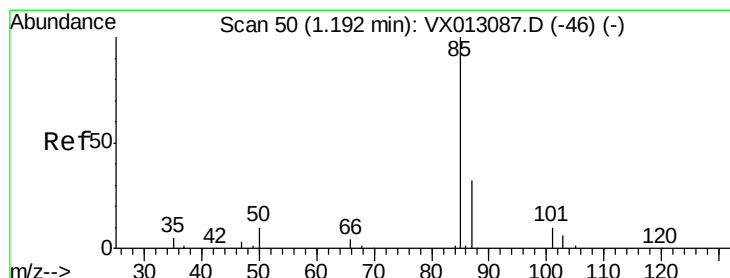
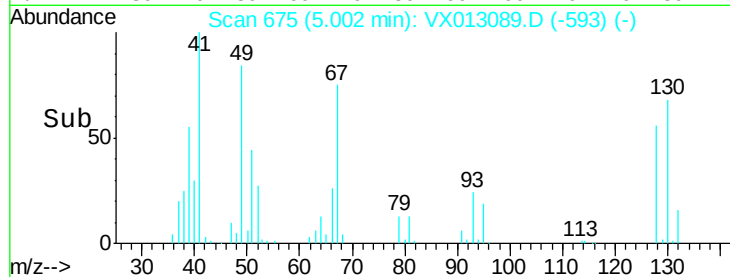
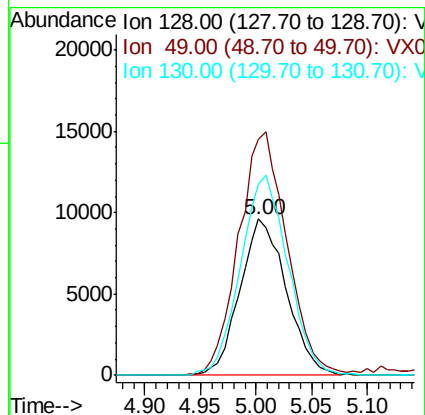
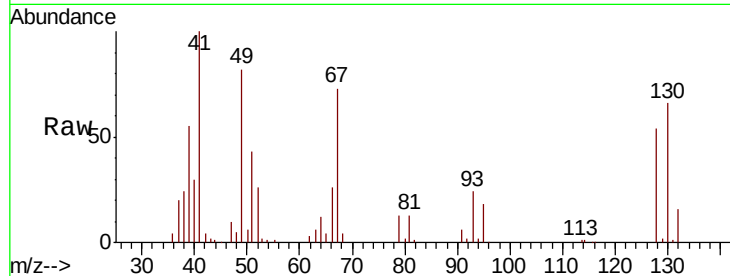
ClientSampleId :

VSTDIC100

Tot Ion:	128	Resp:	27911
Ion	Ratio	Lower	Upper
128	100		
49	161.6	0.0	382.3
130	130.8	0.0	321.8

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#2

Dichlorodifluoromethane

Concen: 111.288 ug/l

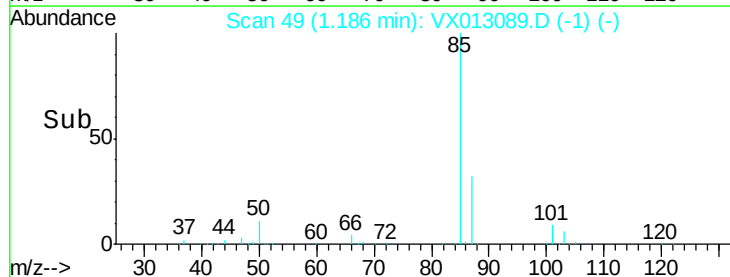
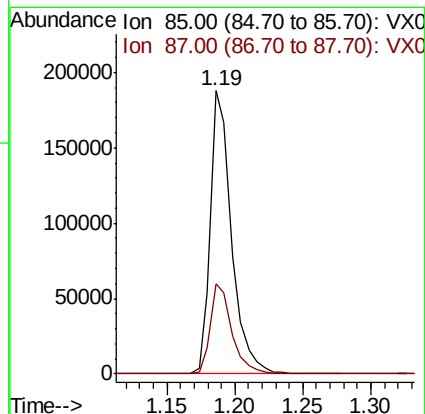
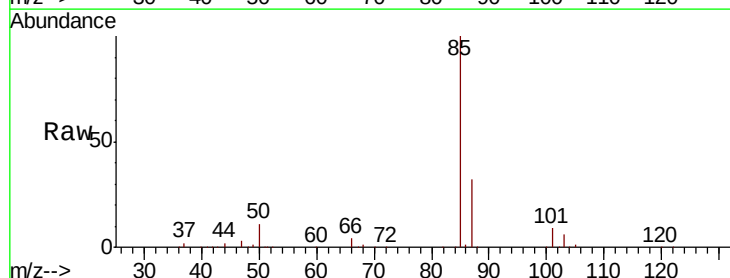
RT: 1.19 min Scan# 49

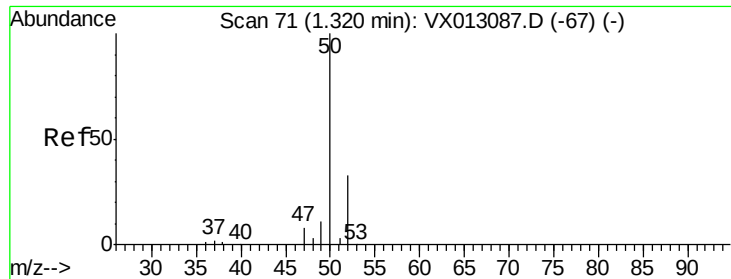
Delta R.T. -0.01 min

Lab File: VX013089.D

Acq: 16 Oct 2019 11:43

Tgt Ion:	85	Resp:	203203
Ion	Ratio	Lower	Upper
85	100		
87	32.0	16.2	48.5





#3

Chloromethane

Concen: 117.013 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX013089.D

Acq: 16 Oct 2019 11:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 191314

Ion Ratio Lower Upper

50 100

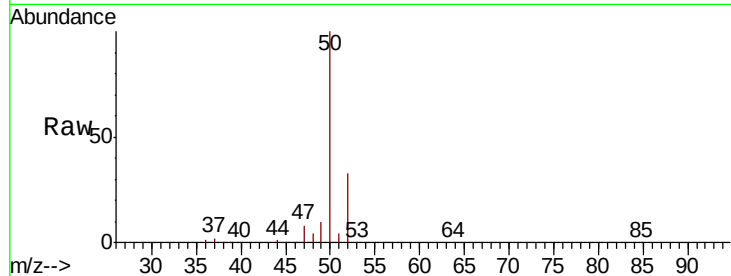
52 33.2 26.0 39.0

Manual Integrations

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Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

200000

150000

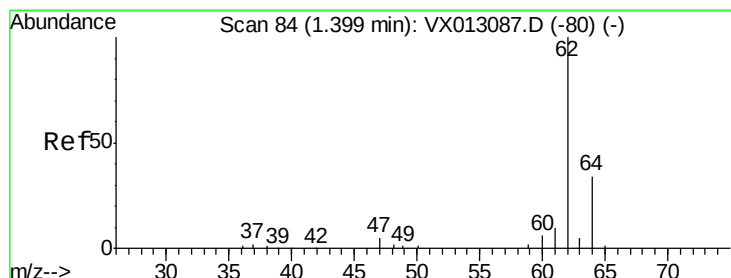
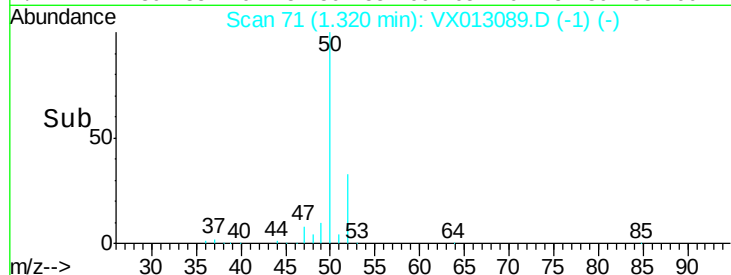
100000

50000

0

1.30 1.32 1.34 1.36 1.38 1.40

Time-->



#4

Vinyl Chloride

Concen: 119.094 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013089.D

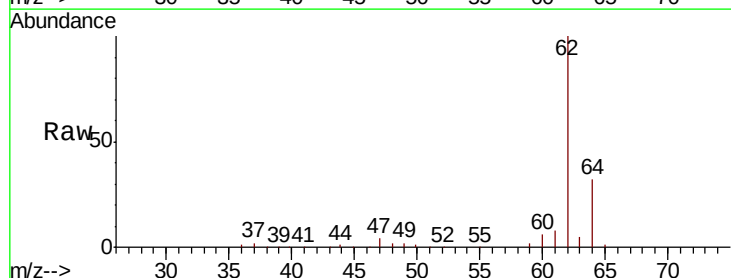
Acq: 16 Oct 2019 11:43

Tgt Ion: 62 Resp: 200853

Ion Ratio Lower Upper

62 100

64 32.3 27.4 41.0



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0

200000

150000

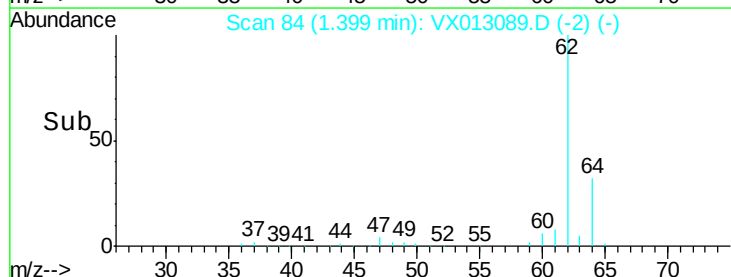
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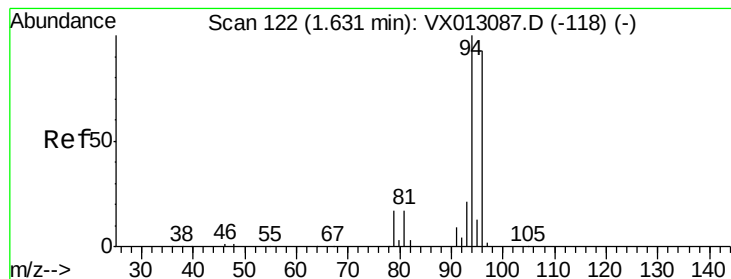
50000

0

1.35 1.40 1.45

Time-->





#5

Bromomethane

Concen: 90.313 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.01 min

Lab File: VX013089.D

Acq: 16 Oct 2019 11:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 82720

Ion Ratio Lower Upper

94 100

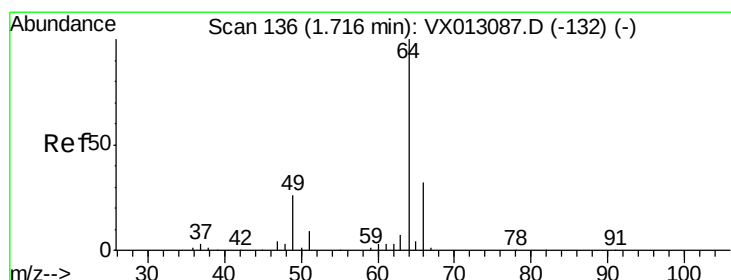
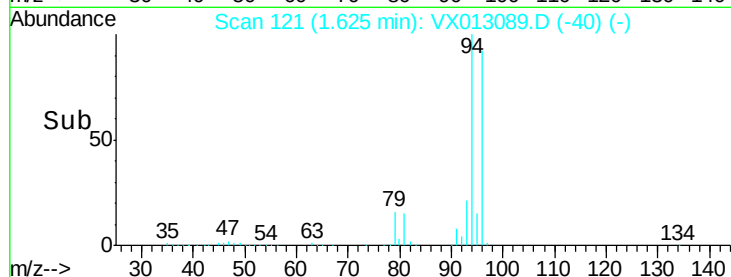
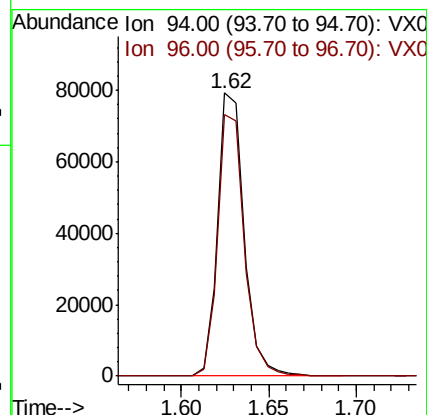
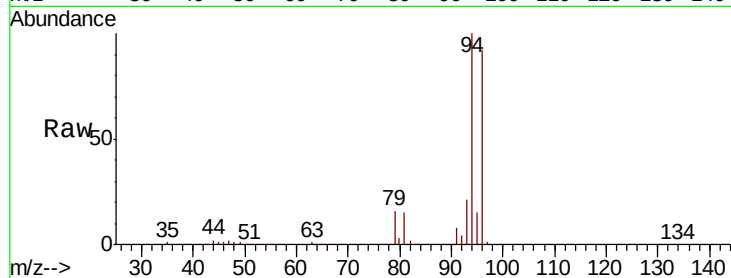
96 92.4 74.2 111.4

Manual Integrations

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#6

Chloroethane

Concen: 114.500 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX013089.D

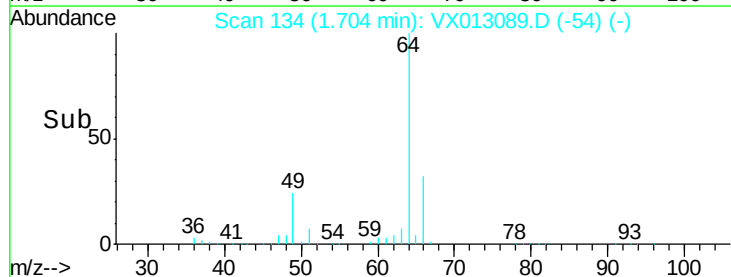
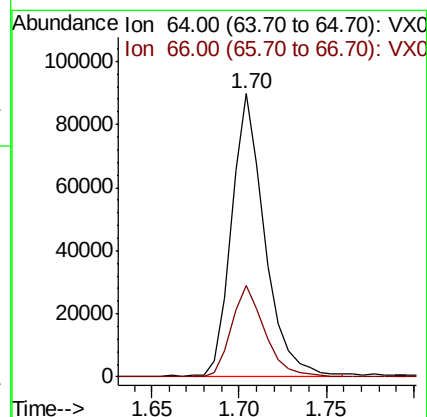
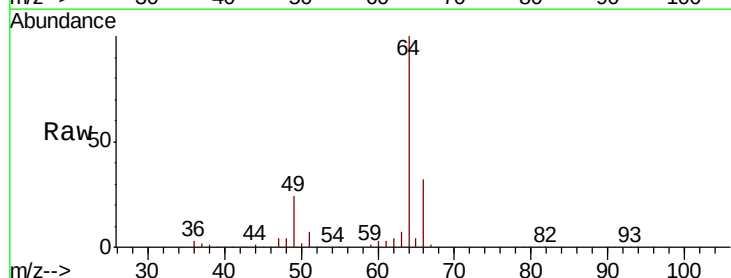
Acq: 16 Oct 2019 11:43

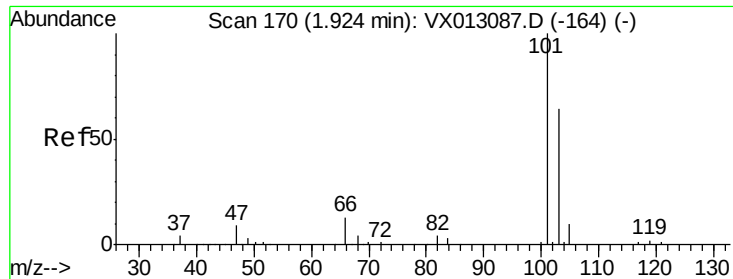
Tgt Ion: 64 Resp: 117506

Ion Ratio Lower Upper

64 100

66 32.4 25.6 38.4





#7

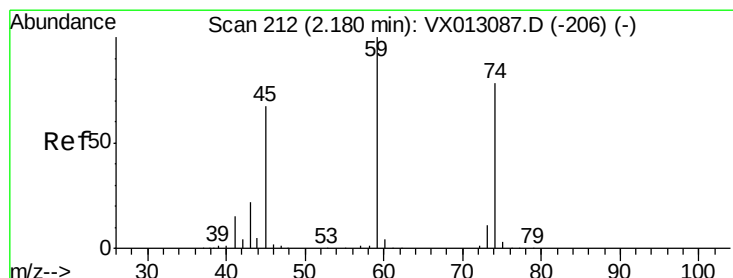
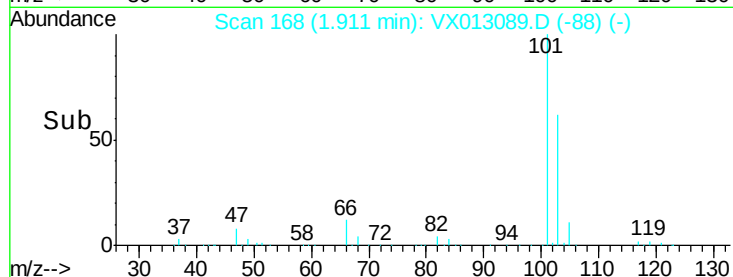
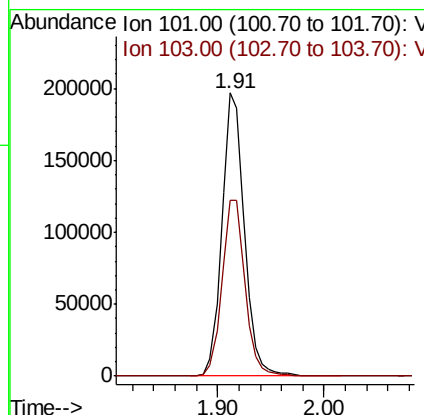
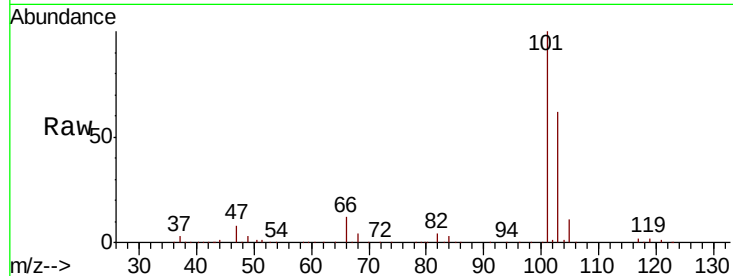
Trichlorofluoromethane
Concen: 104.705 ug/l
RT: 1.91 min Scan# 168
Delta R.T. -0.01 min
Lab File: VX013089.D
Acq: 16 Oct 2019 11:43

Instrument :
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ClientSampleId :
VSTDIC100

Tot Ion:101 Resp: 288675
Ion Ratio Lower Upper
101 100
103 62.2 50.9 76.3

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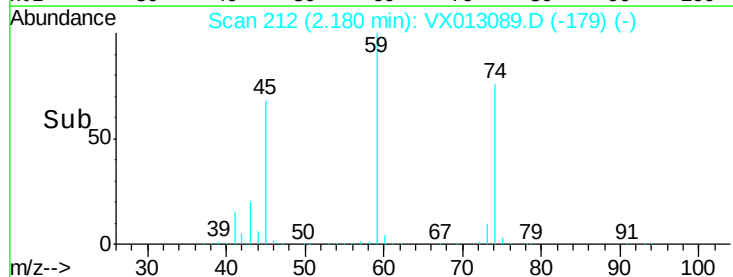
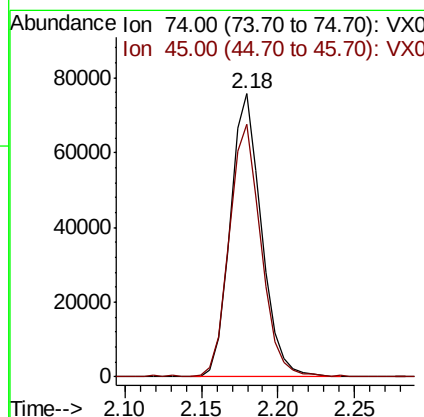
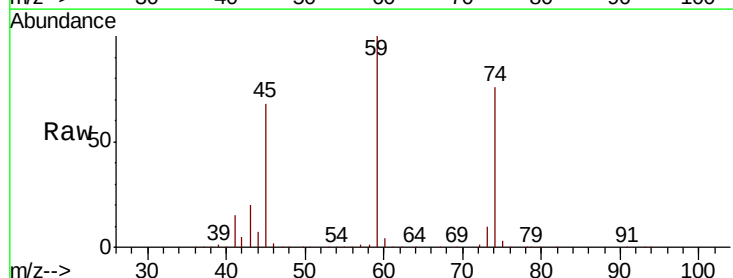
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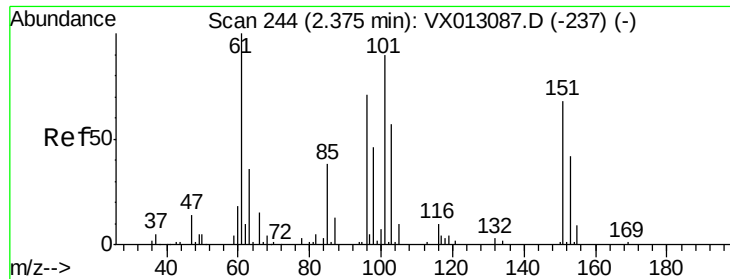


#8

Diethyl Ether
Concen: 114.797 ug/l
RT: 2.18 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX013089.D
Acq: 16 Oct 2019 11:43

Tgt Ion: 74 Resp: 106900
Ion Ratio Lower Upper
74 100
45 90.3 18.2 163.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 116.252 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.01 min

Lab File: VX013089.D

Acq: 16 Oct 2019 11:43

Instrument :

MSVOA_X

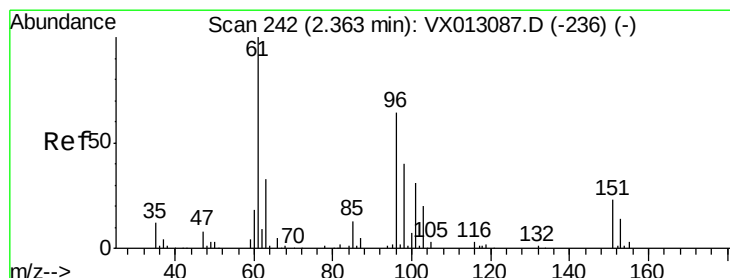
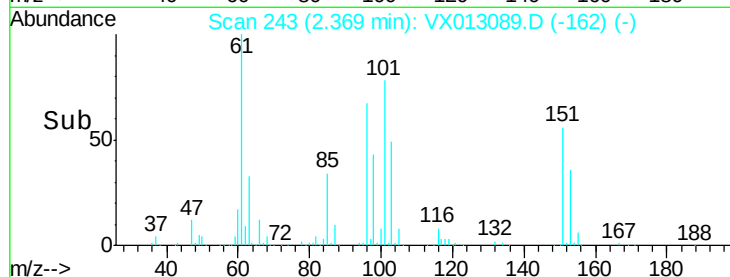
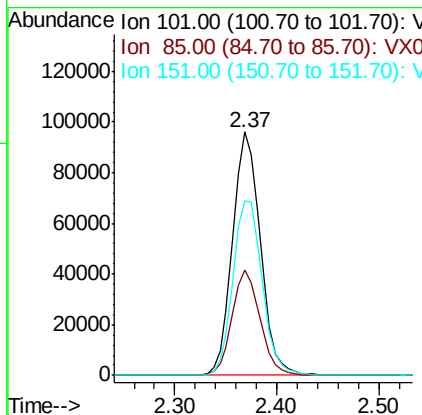
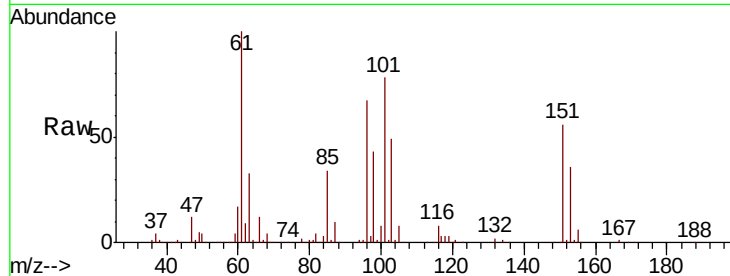
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	181242
Ion Ratio	Lower	Upper	
101	100		
85	43.3	0.0	85.2
151	75.7	0.0	157.0

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 116.304 ug/l

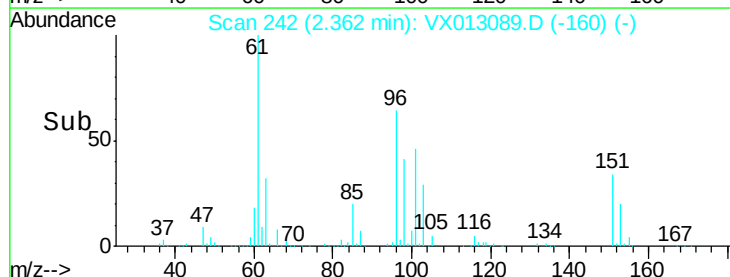
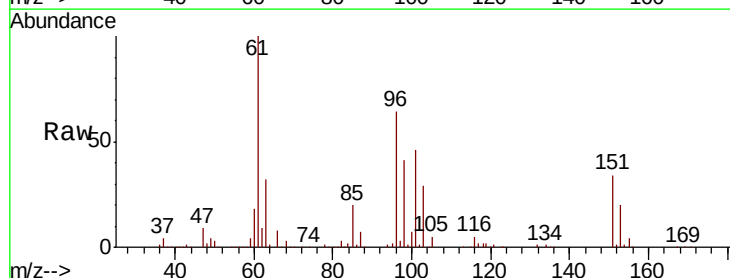
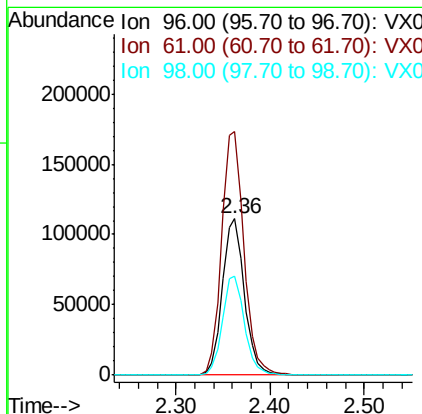
RT: 2.36 min Scan# 242

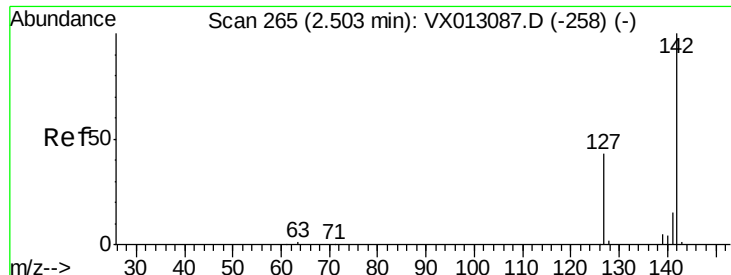
Delta R.T. -0.00 min

Lab File: VX013089.D

Acq: 16 Oct 2019 11:43

Tgt Ion:	96	Resp:	181744
Ion Ratio	Lower	Upper	
96	100		
61	155.5	124.2	186.2
98	63.4	50.2	75.2





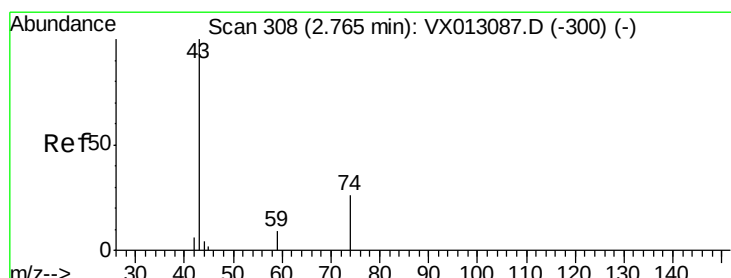
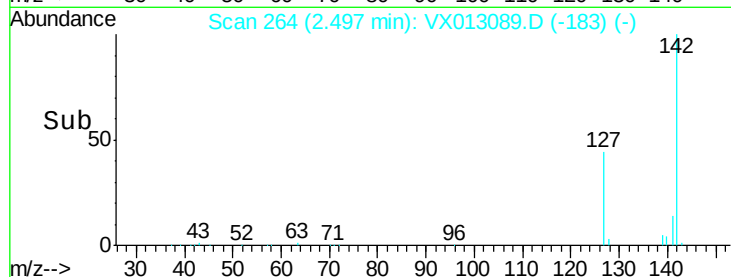
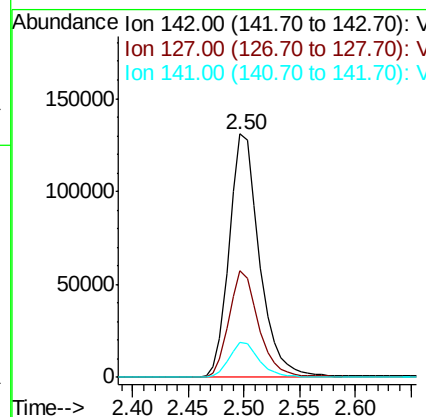
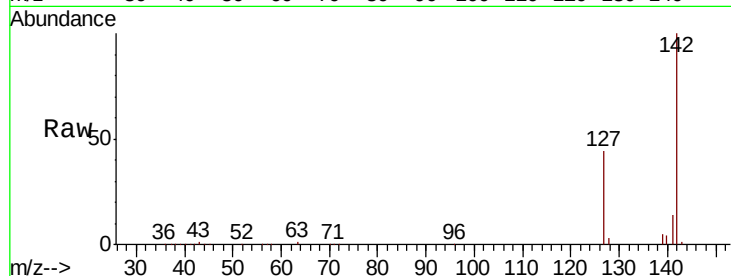
#11
Methvl Iodide
Concen: 119.851 ug/l
RT: 2.50 min Scan# 264
Delta R.T. -0.01 min
Lab File: VX013089.D
Acq: 16 Oct 2019 11:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
142	100		
127	43.6	21.4	64.2
141	14.2	7.3	21.9

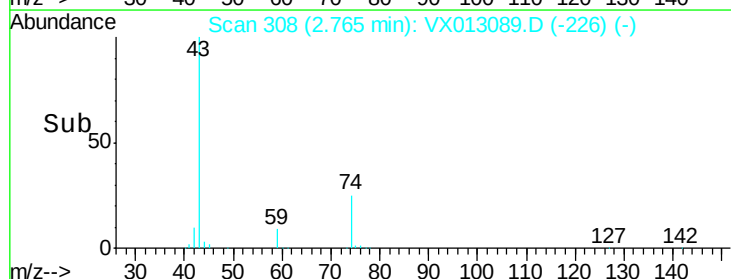
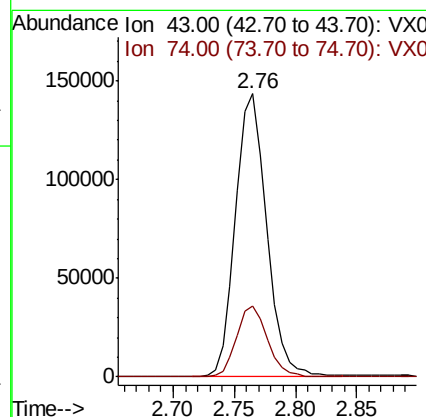
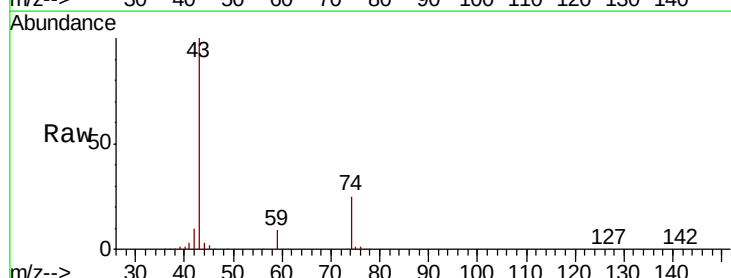
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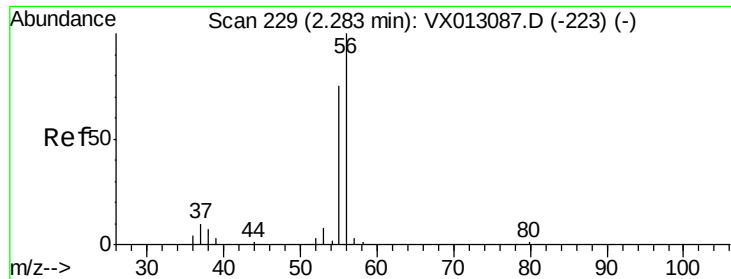
MMDadoda
10/18/2019 4:52:02 PM



#12
Methyl Acetate
Concen: 115.833 ug/l
RT: 2.76 min Scan# 308
Delta R.T. -0.00 min
Lab File: VX013089.D
Acq: 16 Oct 2019 11:43

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.1	20.9	31.3





#13

Acrolein

Concen: 706.373 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.00 min

Lab File: VX013089.D

Acq: 16 Oct 2019 11:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 56 Resp: 191829

Ion Ratio Lower Upper

56 100

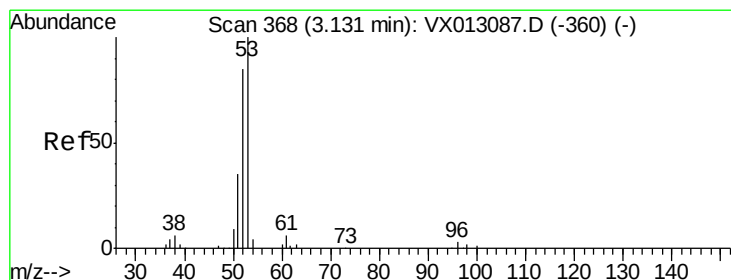
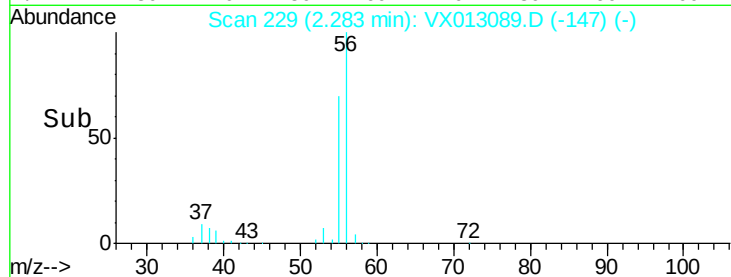
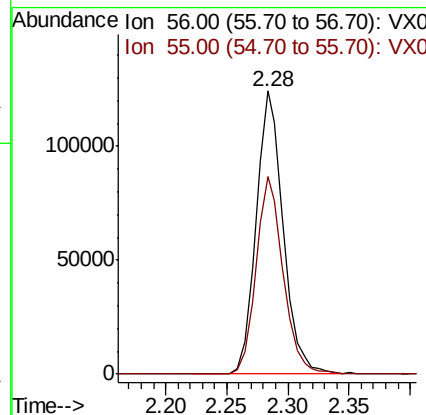
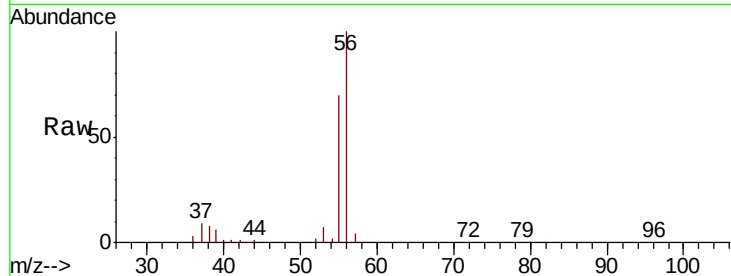
55 70.1 57.8 86.8

Manual Integrations

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#14

Acrylonitrile

Concen: 613.454 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX013089.D

Acq: 16 Oct 2019 11:43

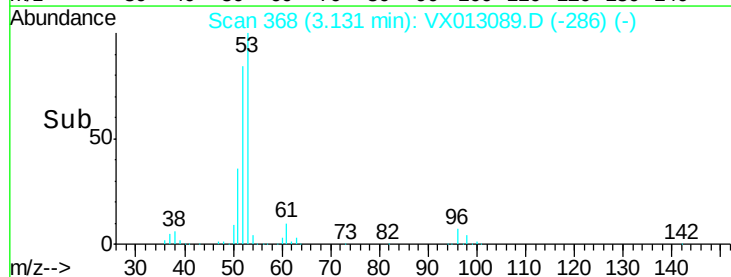
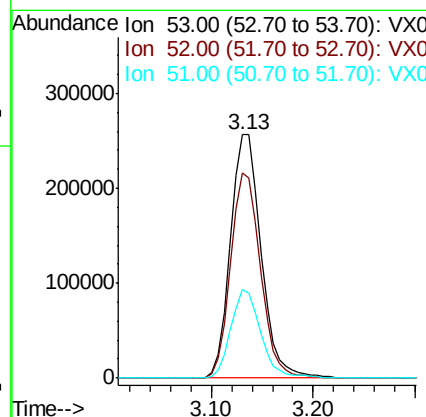
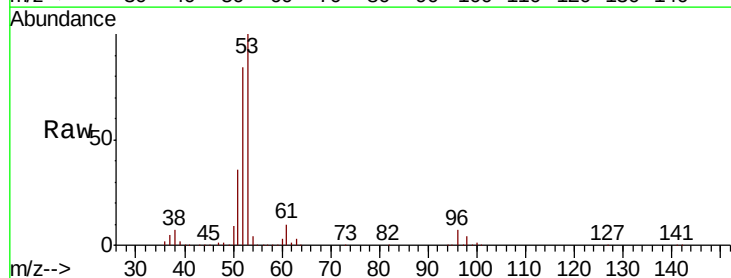
Tgt Ion: 53 Resp: 532914

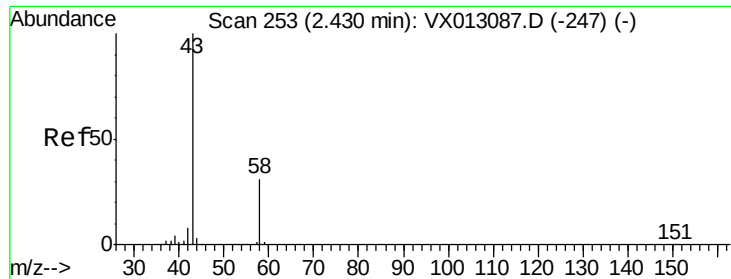
Ion Ratio Lower Upper

53 100

52 82.5 41.4 124.2

51 35.8 18.1 54.4





#15

Acetone

Concen: 685.943 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.01 min

Lab File: VX013089.D

Acq: 16 Oct 2019 11:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 58 Resp: 182563

Ion Ratio Lower Upper

58 100

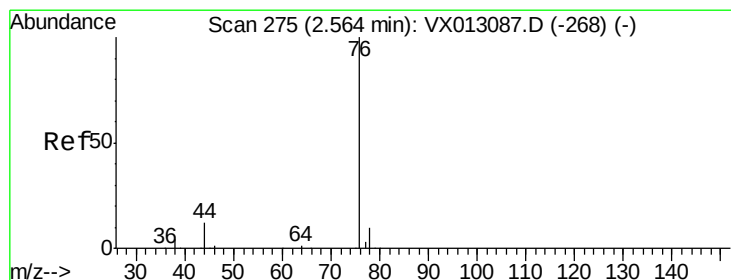
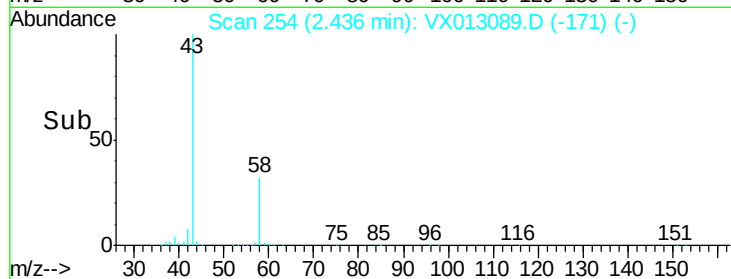
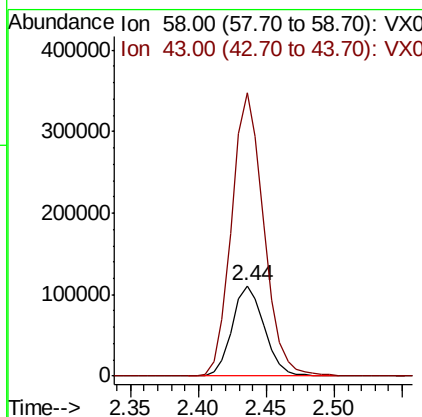
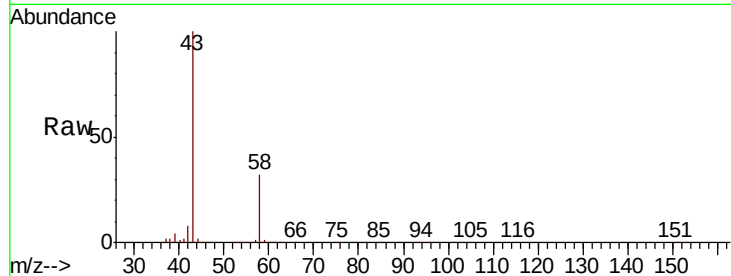
43 312.7 259.5 389.3

Manual Integrations

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#16

Carbon Disulfide

Concen: 121.717 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.01 min

Lab File: VX013089.D

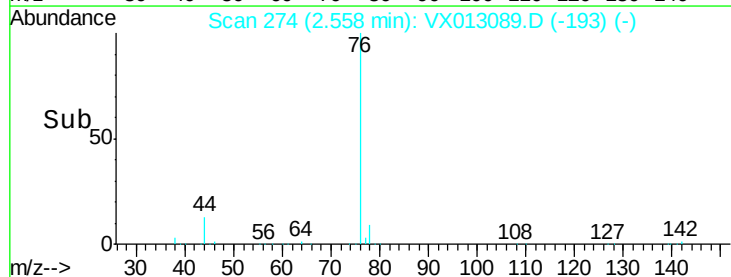
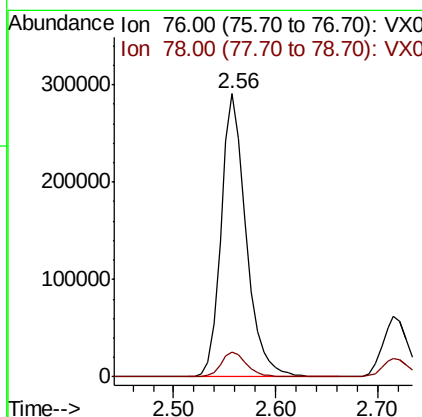
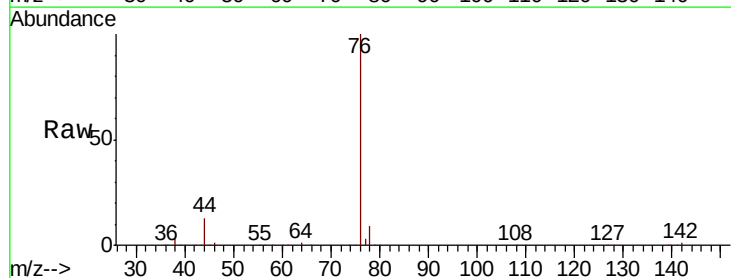
Acq: 16 Oct 2019 11:43

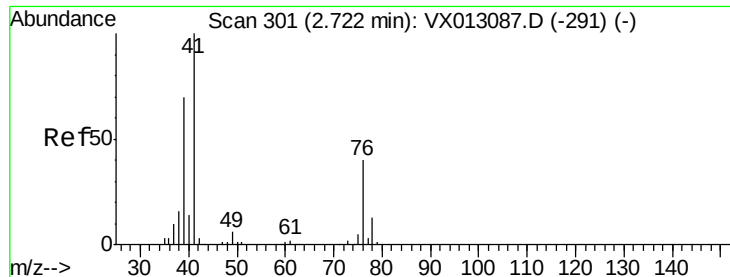
Tgt Ion: 76 Resp: 495668

Ion Ratio Lower Upper

76 100

78 8.9 7.8 11.6





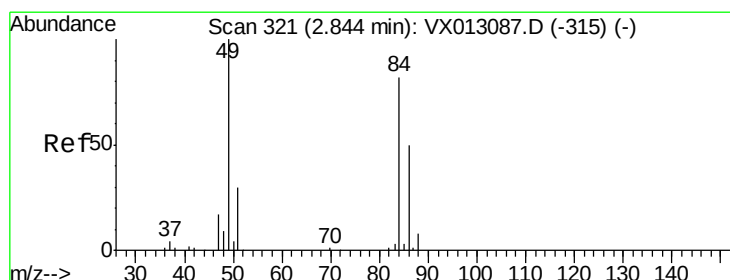
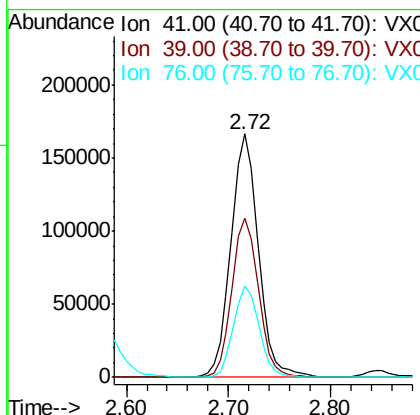
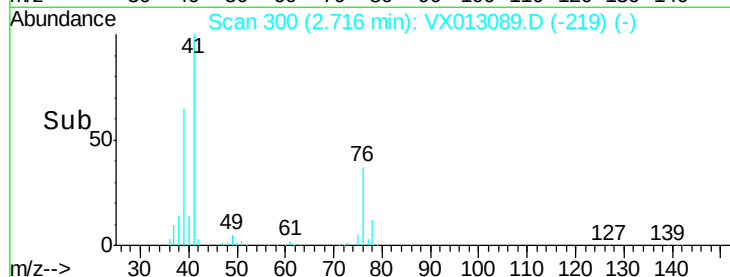
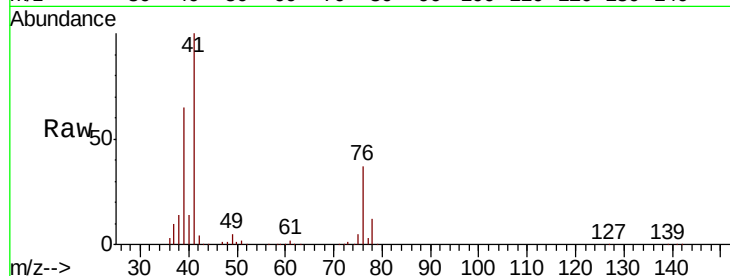
#17
Allvl chloride
Concen: 131.831 ug/l
RT: 2.72 min Scan# 300
Delta R.T. -0.01 min
Lab File: VX013089.D
Acq: 16 Oct 2019 11:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
41	100		
39	65.3	34.8	104.5
76	37.2	20.2	60.5

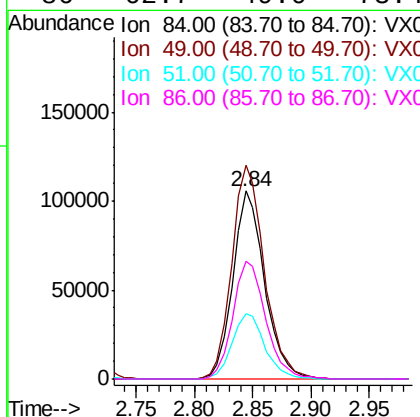
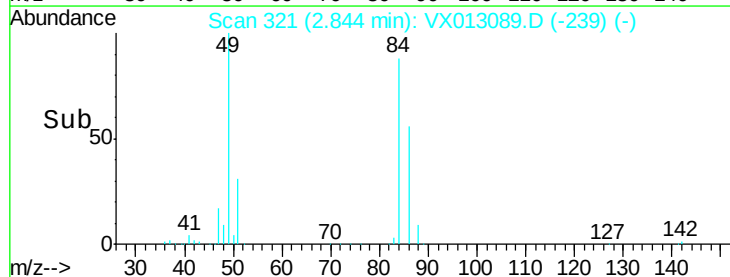
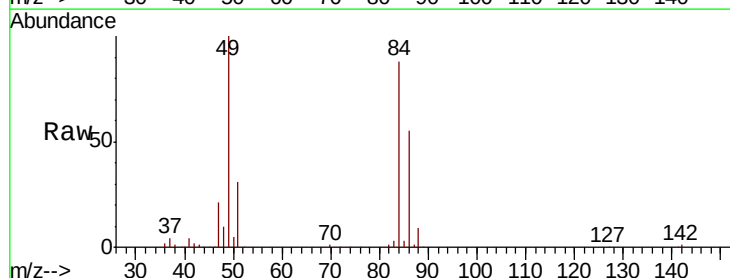
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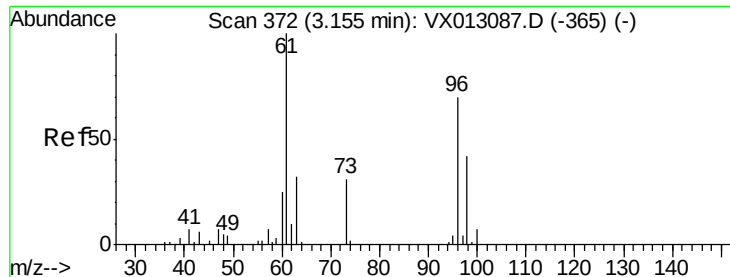
MMDadoda
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#18
Methylene Chloride
Concen: 114.654 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX013089.D
Acq: 16 Oct 2019 11:43

Tgt Ion	Ratio	Lower	Upper
84	100		
49	113.6	97.8	146.6
51	35.0	29.2	43.8
86	62.7	49.0	73.4





#19

trans-1,2-Dichloroethene

Concen: 116.472 ug/l

RT: 3.15 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX013089.D

Acq: 16 Oct 2019 11:43

Instrument :

MSVOA_X

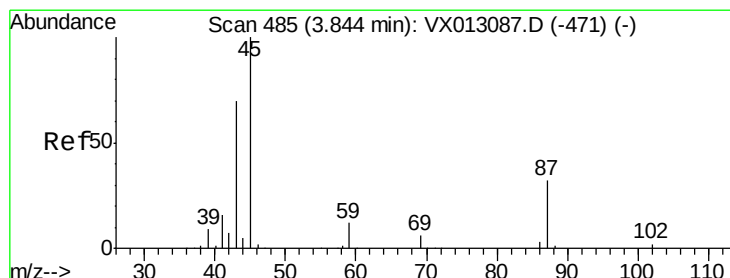
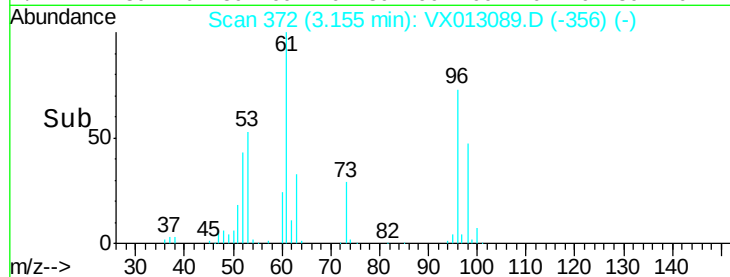
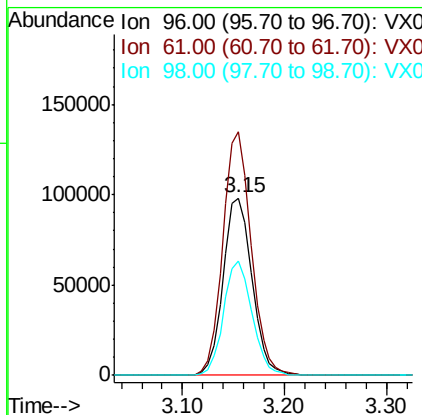
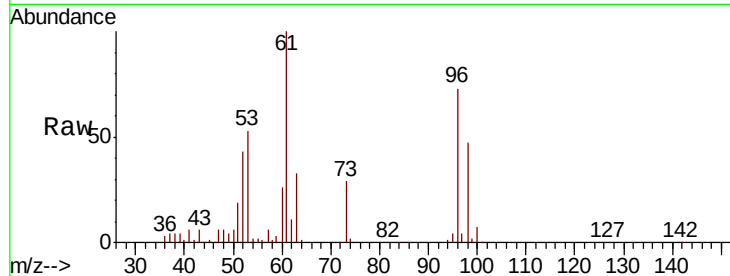
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	193240
Ion	Ratio	Lower	Upper
96	100		
61	137.1	113.9	170.9
98	64.2	48.1	72.1

Manual Integrations
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#20

Diisopropyl ether

Concen: 119.369 ug/l

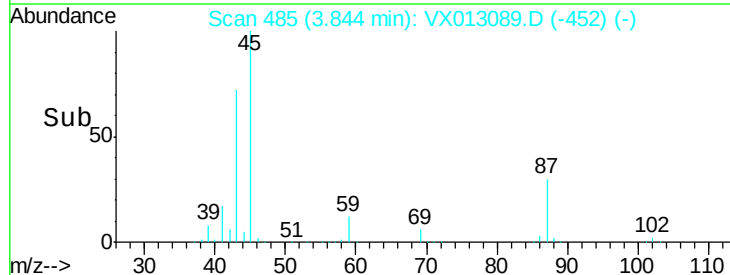
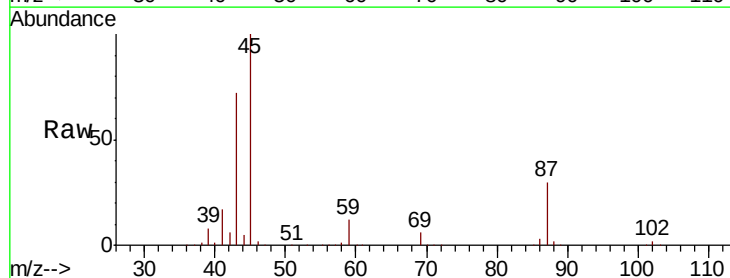
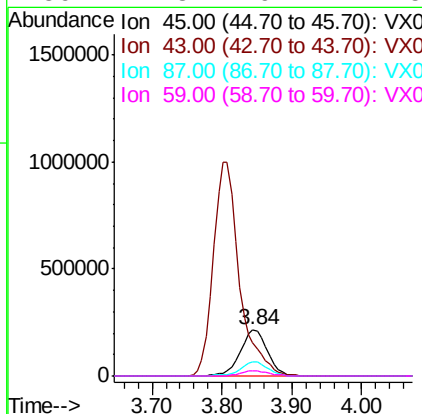
RT: 3.84 min Scan# 485

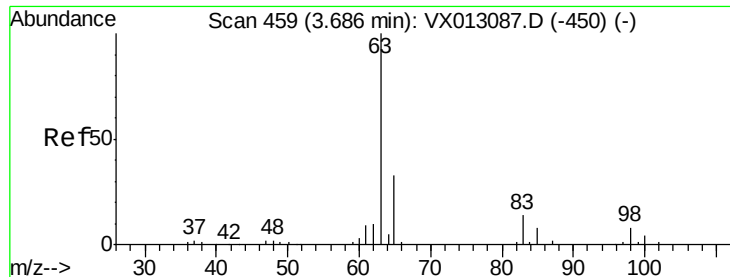
Delta R.T. -0.00 min

Lab File: VX013089.D

Acq: 16 Oct 2019 11:43

Tgt Ion:	45	Resp:	584600
Ion	Ratio	Lower	Upper
45	100		
43	71.5	57.5	86.3
87	29.8	25.3	37.9
59	11.8	9.7	14.5





#21

1,1-Dichloroethane

Concen: 120.953 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX013089.D

Acq: 16 Oct 2019 11:43

Instrument :

MSVOA_X

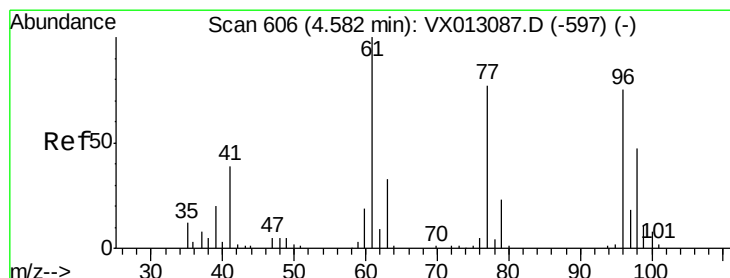
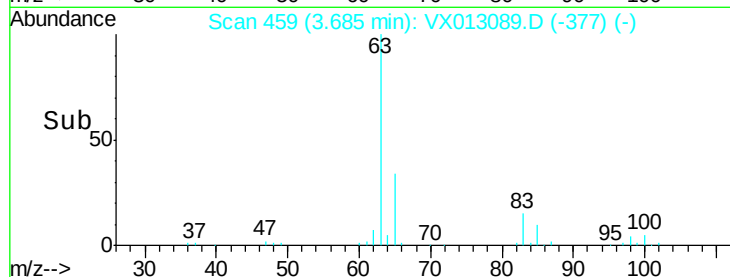
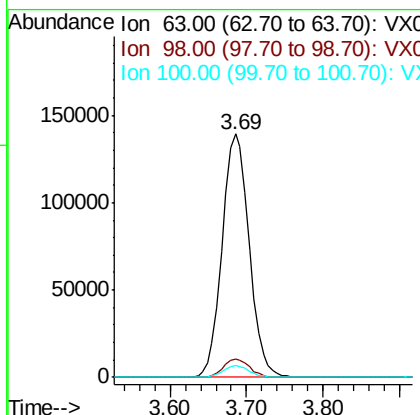
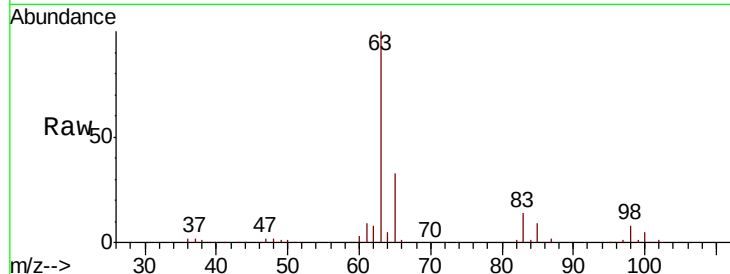
ClientSampleId :

VSTDIC100

Tot Ion:	63	Resp:	339910
Ion Ratio		Lower	Upper
63	100		
98	7.7	3.8	11.4
100	5.1	2.1	6.5

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 114.806 ug/l

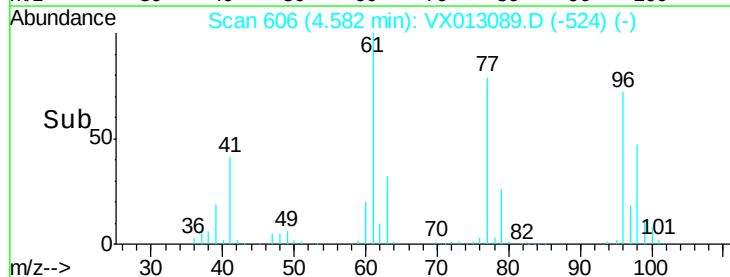
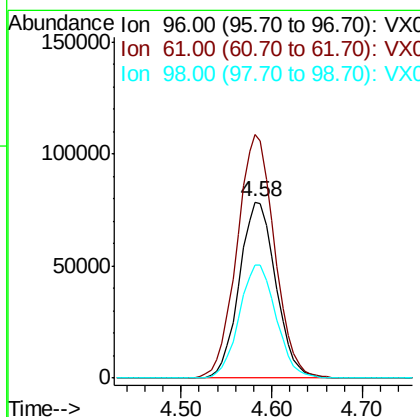
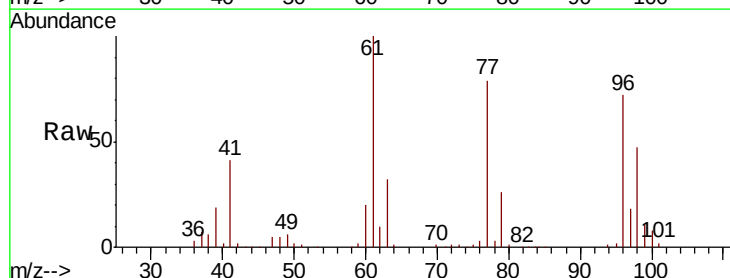
RT: 4.58 min Scan# 606

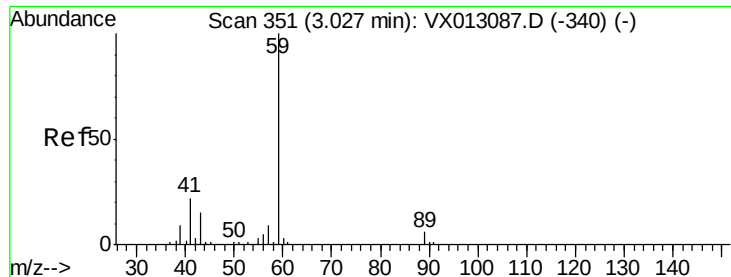
Delta R.T. -0.00 min

Lab File: VX013089.D

Acq: 16 Oct 2019 11:43

Tgt Ion:	96	Resp:	218999
Ion Ratio		Lower	Upper
96	100		
61	142.6	115.0	172.4
98	64.8	51.5	77.3





#23

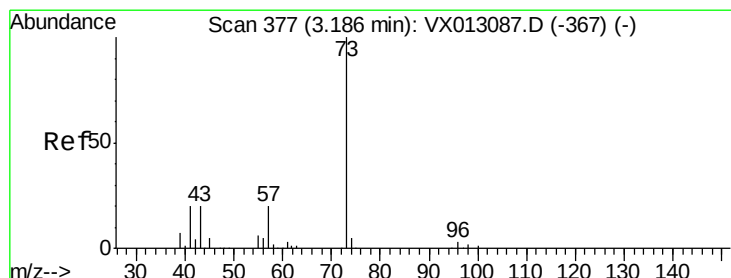
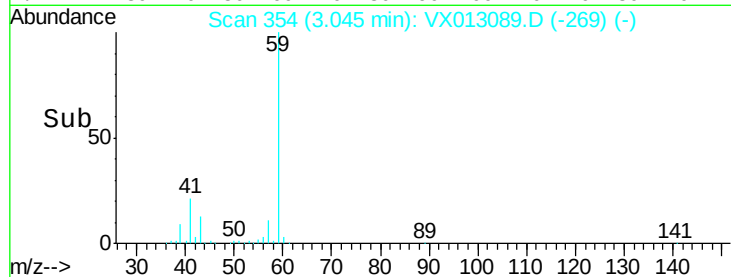
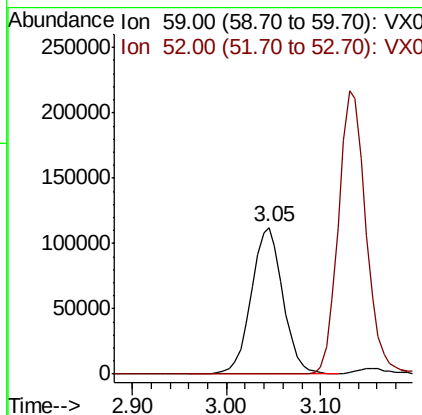
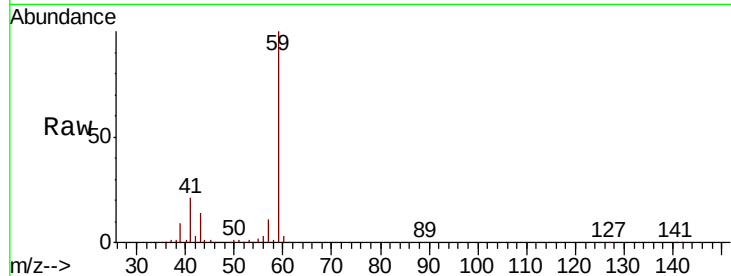
tert-Butyl Alcohol
 Concen: 584.739 ug/l
 RT: 3.05 min Scan# 354
 Delta R.T. 0.02 min
 Lab File: VX013089.D
 Acq: 16 Oct 2019 11:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.1	0.1	0.1

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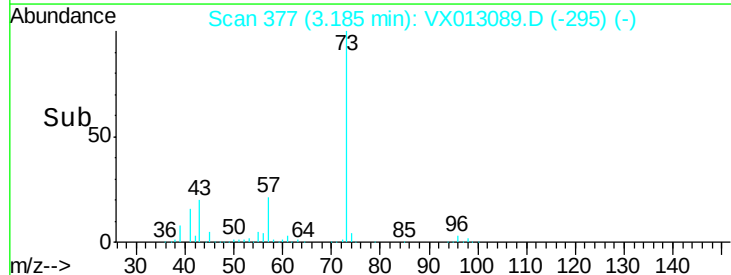
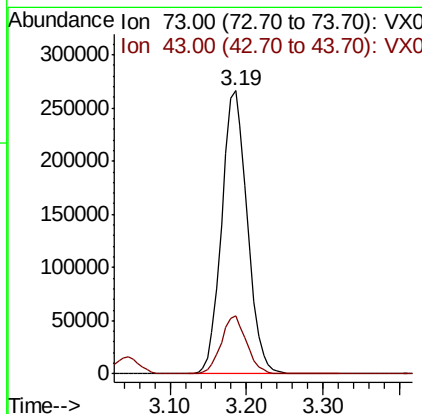
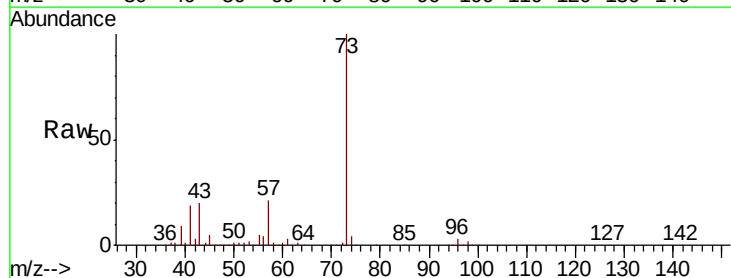
MMDadoda
 10/18/2019 4:52:02 PM

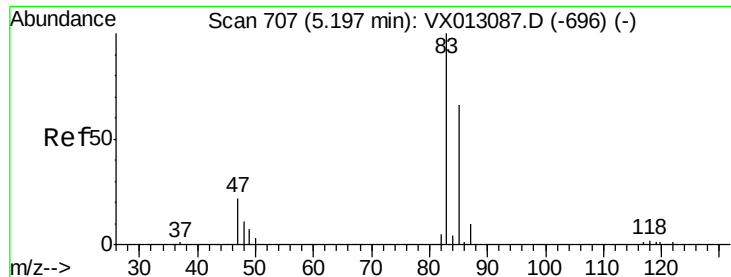


#24

Methyl tert-Butyl Ether
 Concen: 120.249 ug/l
 RT: 3.19 min Scan# 377
 Delta R.T. -0.00 min
 Lab File: VX013089.D
 Acq: 16 Oct 2019 11:43

Tgt Ion	Ratio	Lower	Upper
73	100		
43	20.3	15.8	23.8





#25

Chloroform

Concen: 113.731 ug/l

RT: 5.20 min Scan# 708

Delta R.T. 0.01 min

Lab File: VX013089.D

Acq: 16 Oct 2019 11:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 346697

Ion Ratio Lower Upper

83 100

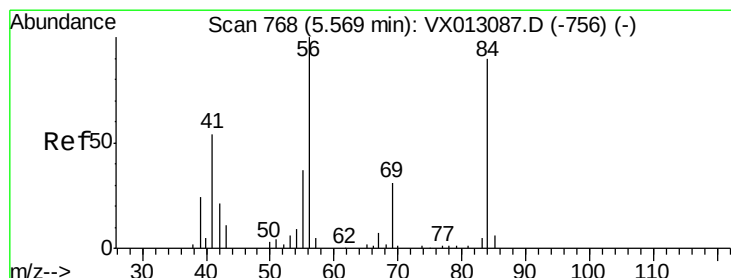
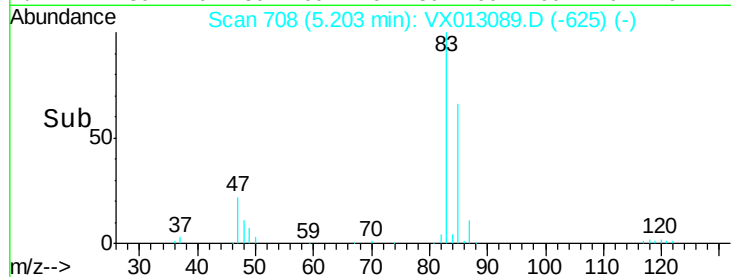
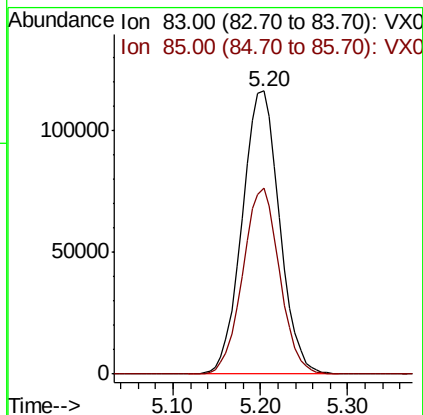
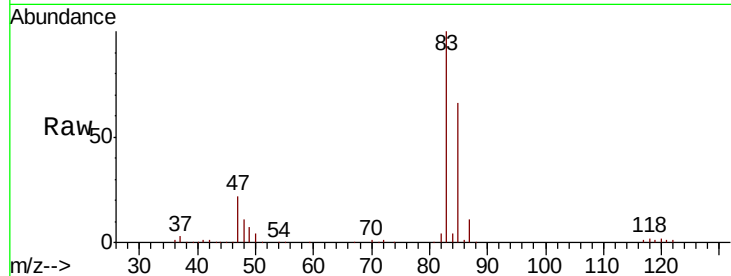
85 65.6 53.0 79.6

Manual Integrations

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#26

Cyclohexane

Concen: 119.906 ug/l

RT: 5.57 min Scan# 768

Delta R.T. -0.00 min

Lab File: VX013089.D

Acq: 16 Oct 2019 11:43

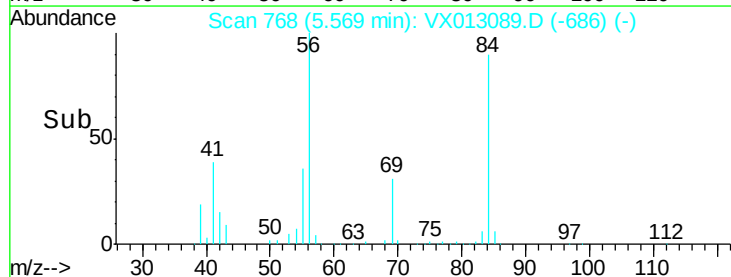
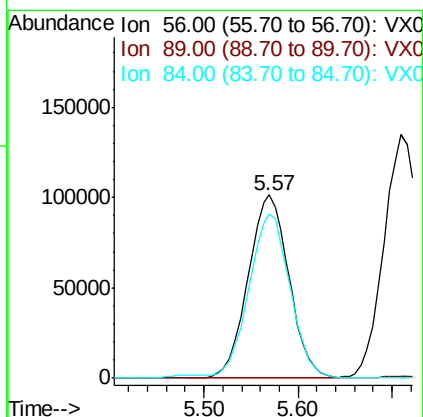
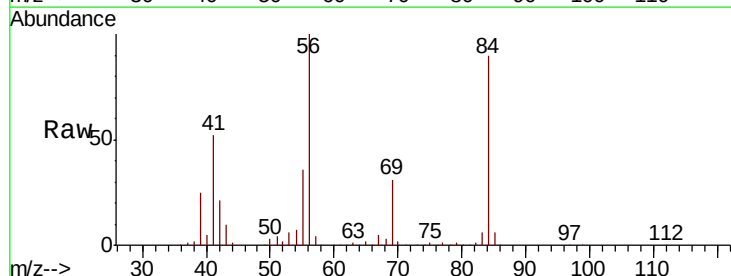
Tgt Ion: 56 Resp: 306636

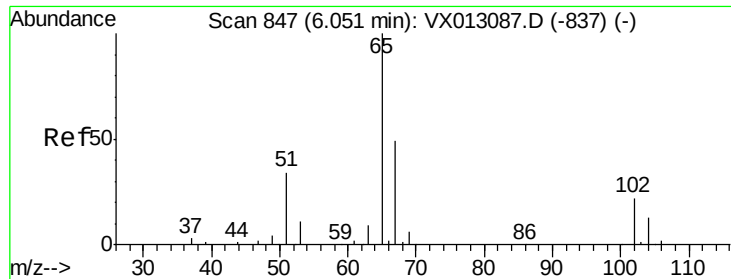
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 90.7 71.3 106.9





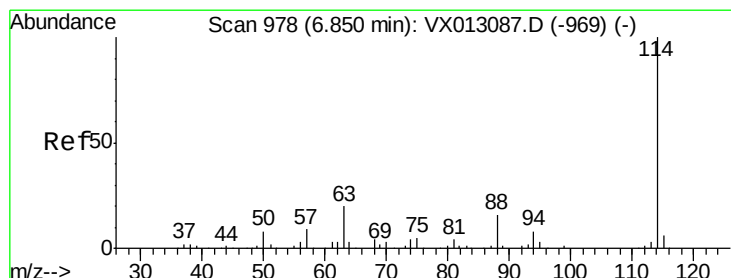
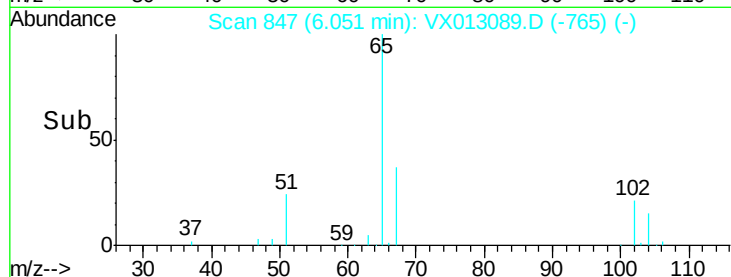
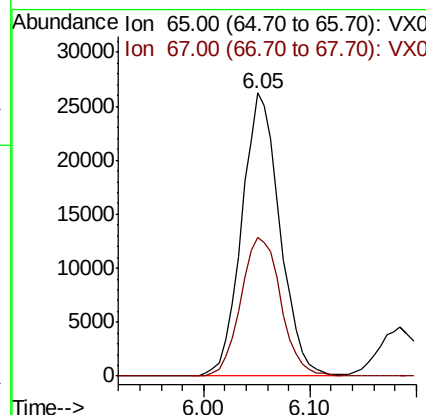
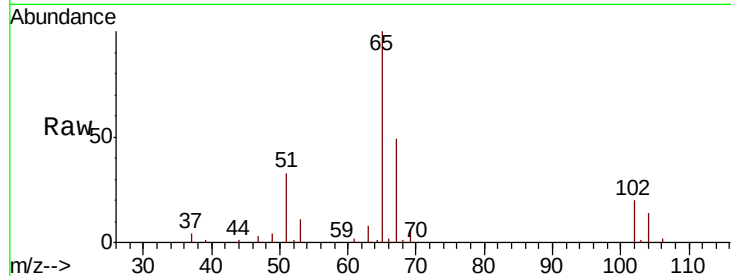
#27
 1,2-Dichloroethane-d4
 Concen: 33.848 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX013089.D
 Acq: 16 Oct 2019 11:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion: 65 Resp: 65879
 Ion Ratio Lower Upper
 65 100
 67 51.6 41.2 61.8

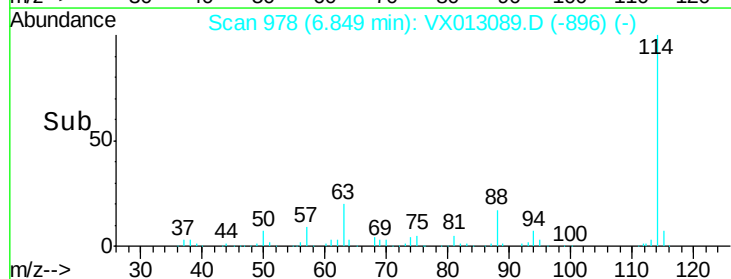
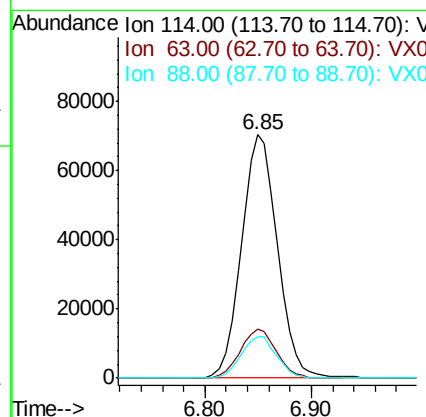
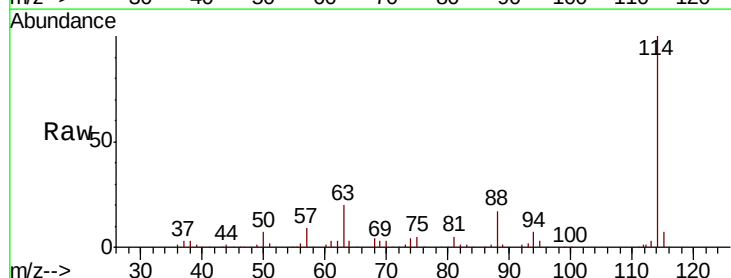
Manual Integrations
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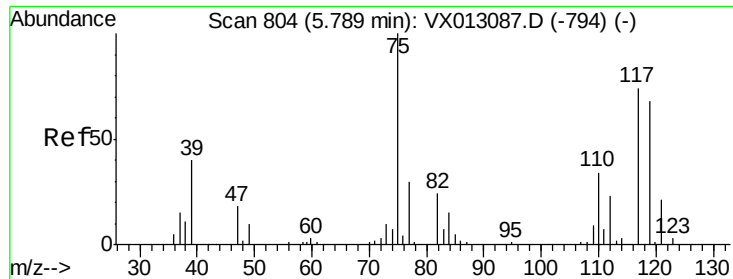
MMDadoda
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#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013089.D
 Acq: 16 Oct 2019 11:43

Tgt Ion: 114 Resp: 166280
 Ion Ratio Lower Upper
 114 100
 63 20.3 16.5 24.7
 88 17.1 13.6 20.4





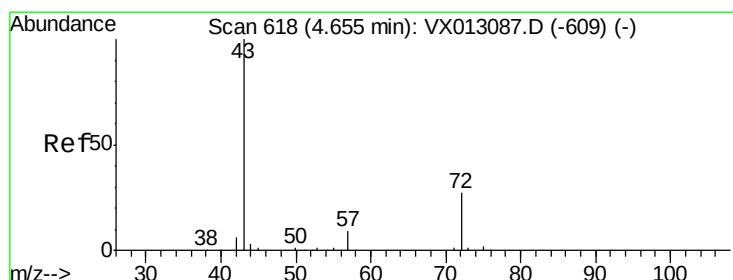
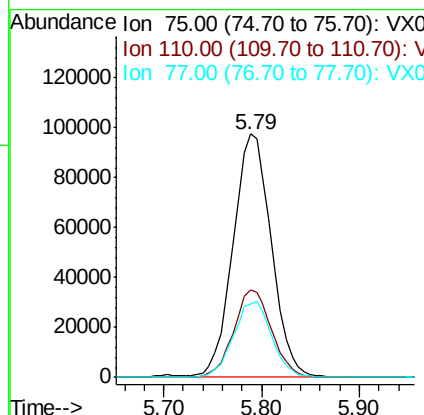
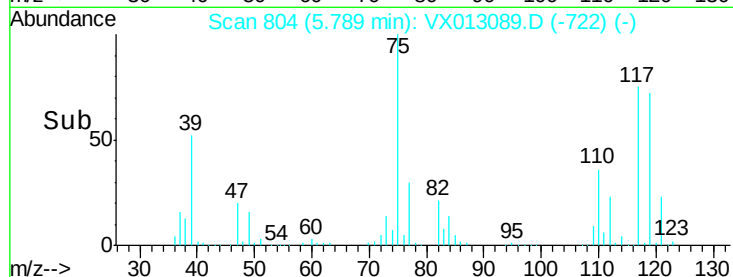
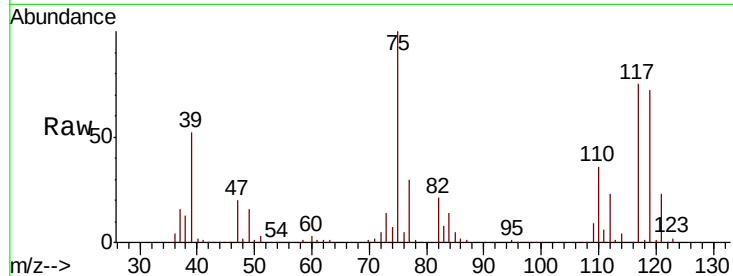
#29
 1,1-Dichloropropene
 Concen: 111.837 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. -0.00 min
 Lab File: VX013089.D
 Acq: 16 Oct 2019 11:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
75	100	264498		
110	35.8	0.0	72.2	
77	31.2	0.0	62.8	

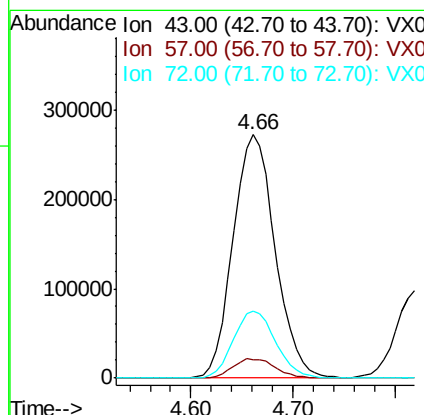
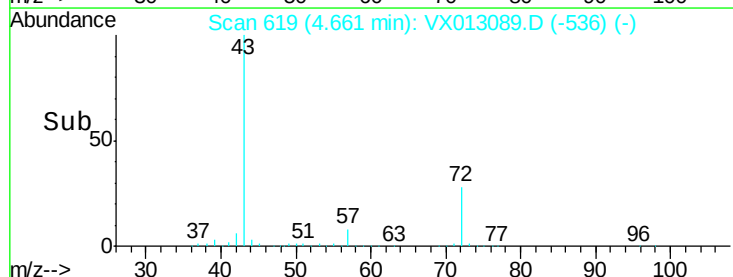
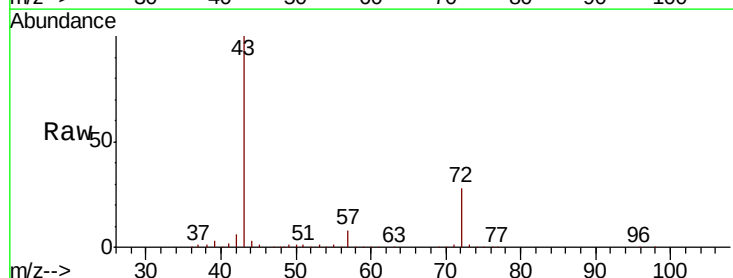
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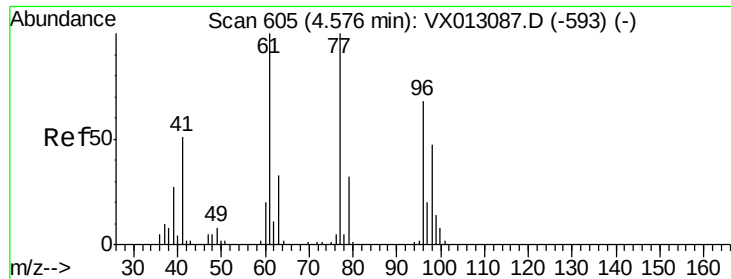
MMDadoda
 10/18/2019 4:52:02 PM



#30
 2-Butanone
 Concen: 590.968 ug/l
 RT: 4.66 min Scan# 619
 Delta R.T. 0.01 min
 Lab File: VX013089.D
 Acq: 16 Oct 2019 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	777809		
57	8.2	6.9	10.3	
72	27.9	22.1	33.1	





#31

2,2-Dichloropropane

Concen: 133.892 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.01 min

Lab File: VX013089.D

Acq: 16 Oct 2019 11:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 77 Resp: 297912

Ion Ratio Lower Upper

77 100

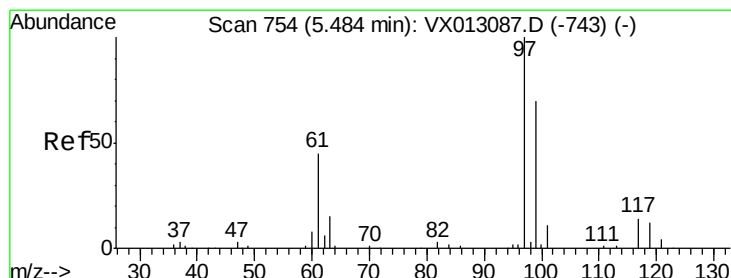
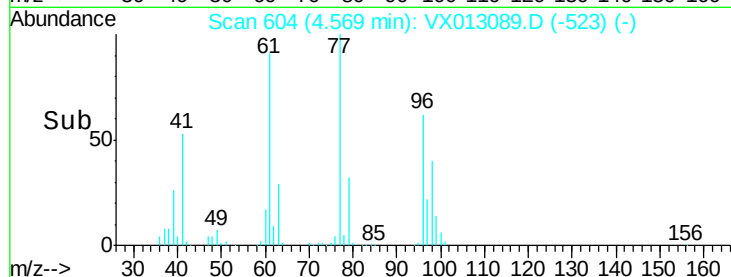
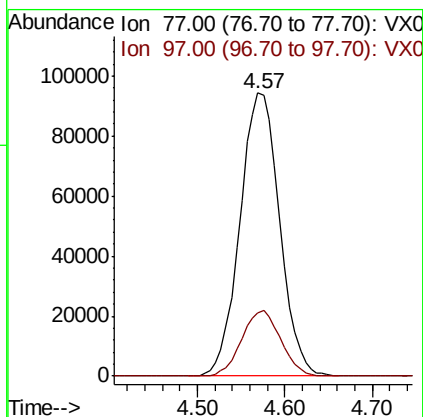
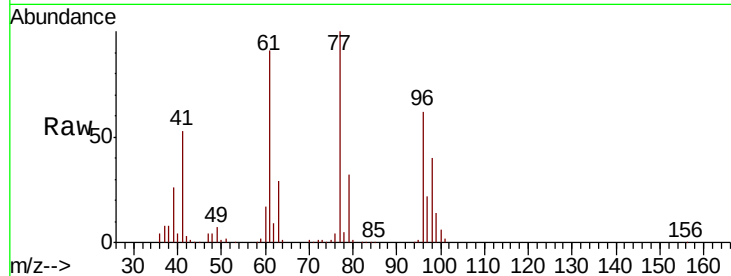
97 22.9 17.8 26.6

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 109.834 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX013089.D

Acq: 16 Oct 2019 11:43

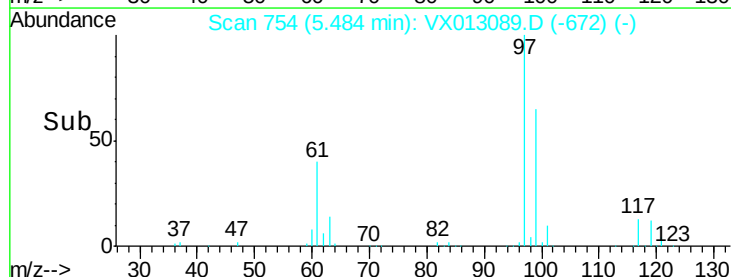
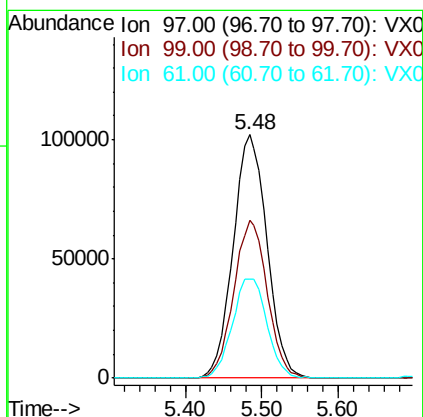
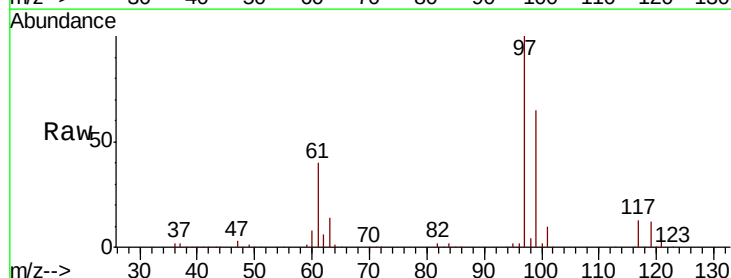
Tgt Ion: 97 Resp: 313680

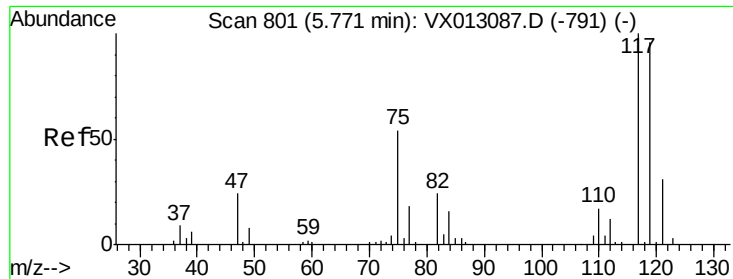
Ion Ratio Lower Upper

97 100

99 64.0 52.4 78.6

61 41.7 35.1 52.7





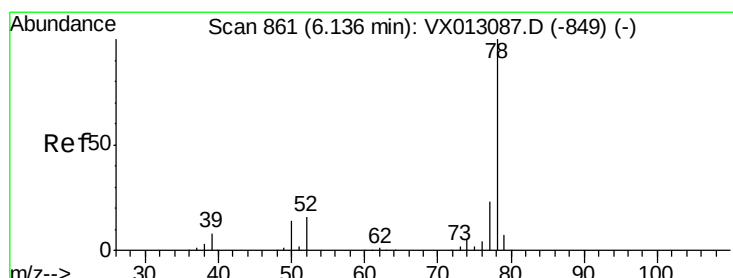
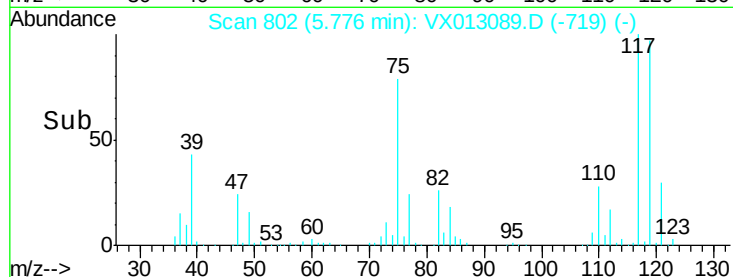
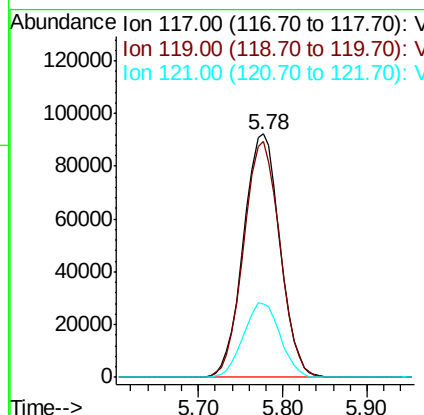
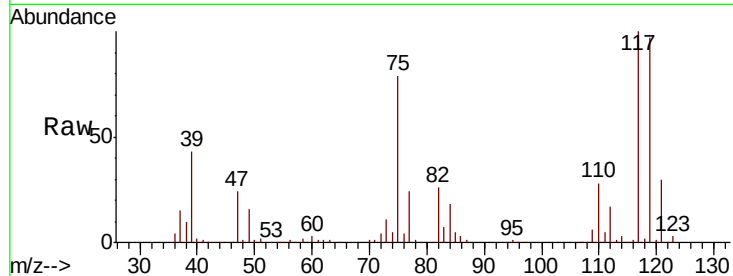
#33
Carbon Tetrachloride
Concen: 108.946 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.01 min
Lab File: VX013089.D
Acq: 16 Oct 2019 11:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.7	77.0	115.4
121	30.4	24.6	36.8

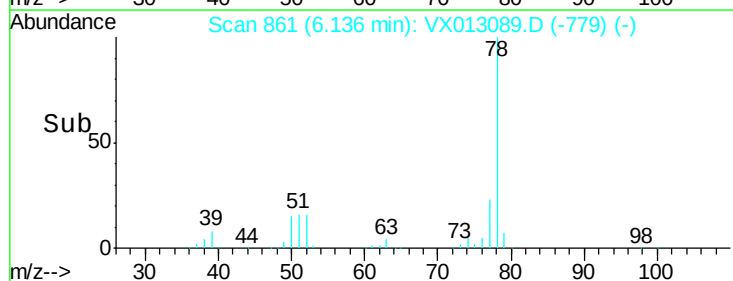
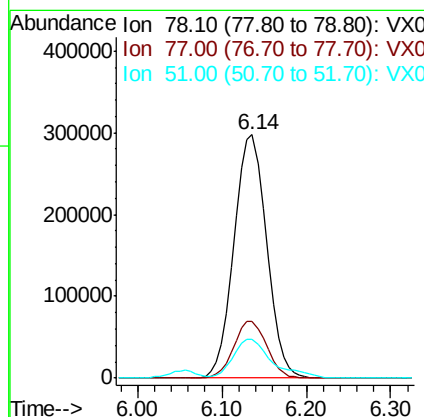
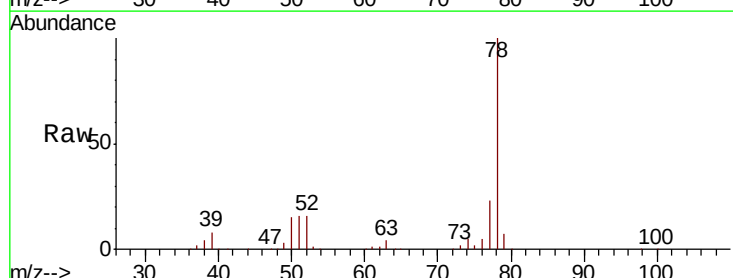
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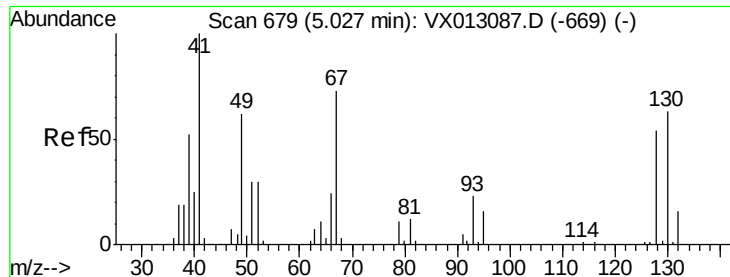
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#34
Benzene
Concen: 109.722 ug/l
RT: 6.14 min Scan# 861
Delta R.T. -0.00 min
Lab File: VX013089.D
Acq: 16 Oct 2019 11:43

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.5	27.7
51	15.8	12.1	18.1





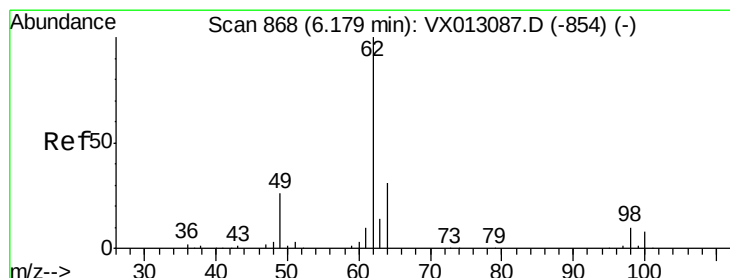
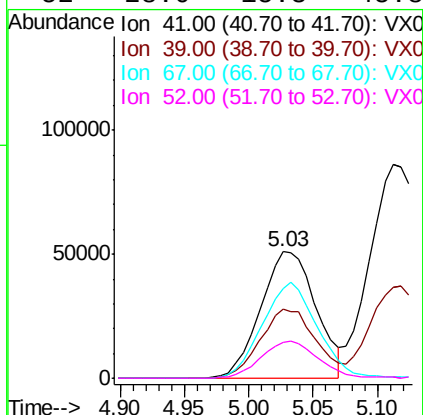
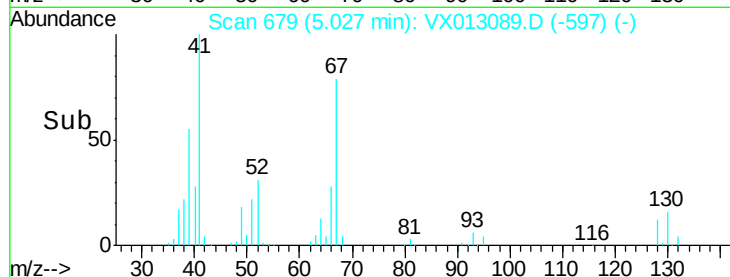
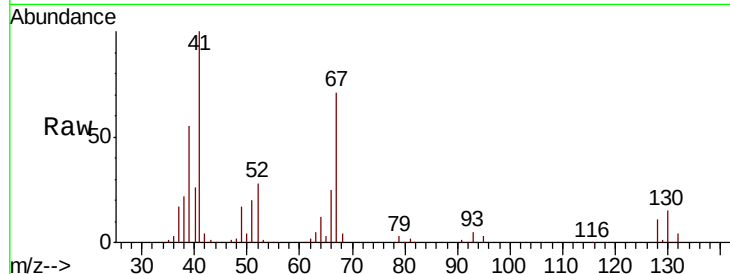
#35
Methacrylonitrile
Concen: 112.996 ug/l
RT: 5.03 min Scan# 679
Delta R.T. -0.00 min
Lab File: VX013089.D
Acq: 16 Oct 2019 11:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion:	41	Resp:	152546
Ion Ratio	Lower	Upper	
41	100		
39	54.6	26.3	78.8
67	71.2	36.5	109.5
52	28.0	15.3	45.8

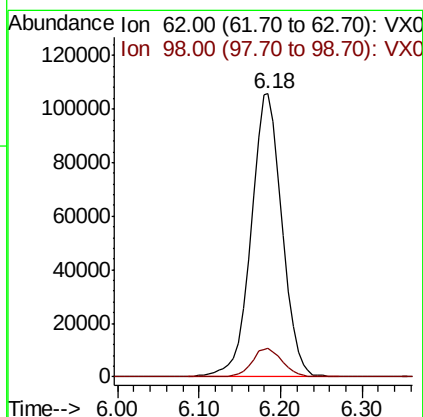
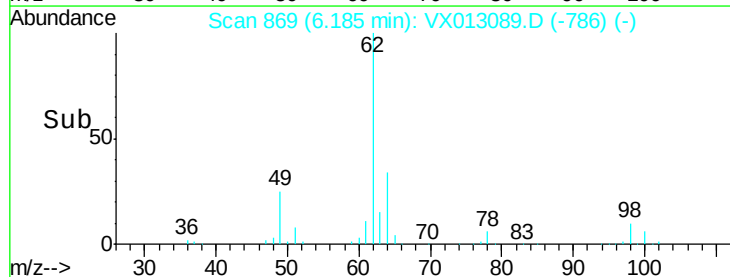
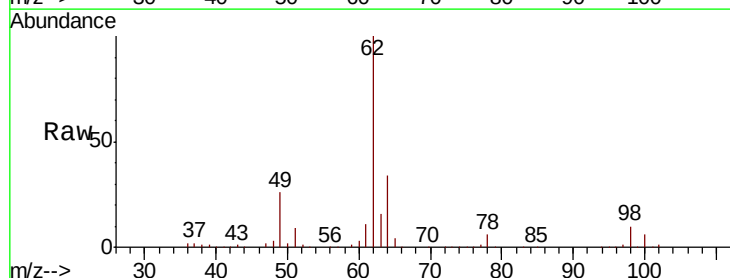
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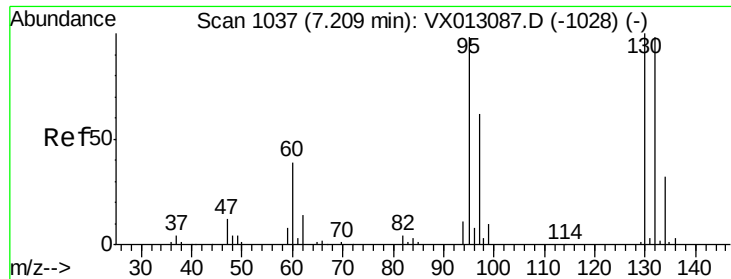
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#36
1,2-Dichloroethane
Concen: 108.833 ug/l
RT: 6.18 min Scan# 869
Delta R.T. 0.01 min
Lab File: VX013089.D
Acq: 16 Oct 2019 11:43

Tgt Ion:	62	Resp:	279190
Ion Ratio	Lower	Upper	
62	100		
98	10.0	7.8	11.6





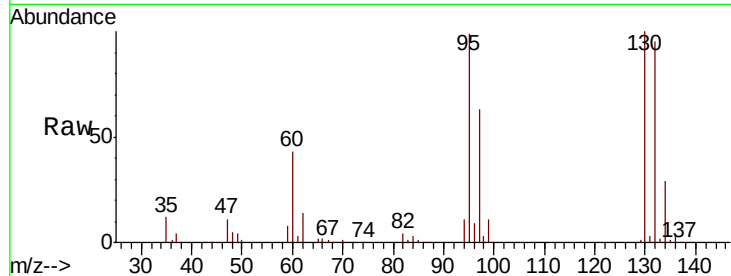
#37
 Trichloroethene
 Concen: 102.567 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. -0.01 min
 Lab File: VX013089.D
 Acq: 16 Oct 2019 11:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

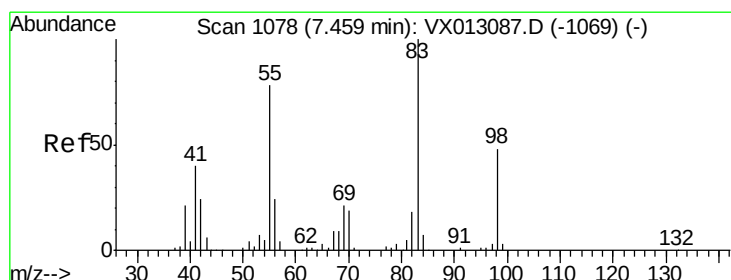
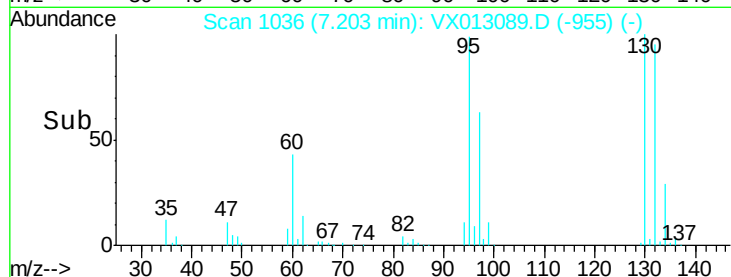
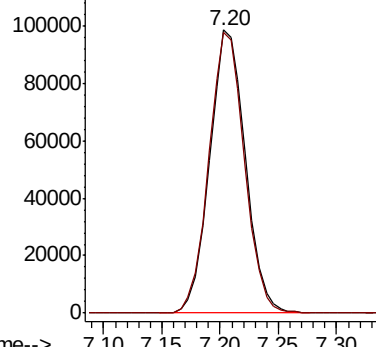
Tot Ion:130 Resp: 209887
 Ion Ratio Lower Upper
 130 100
 95 99.1 78.4 117.6

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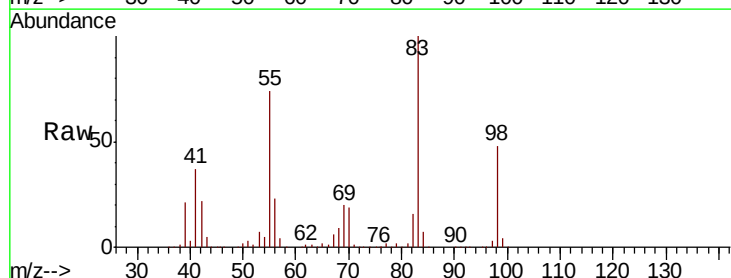


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VX0

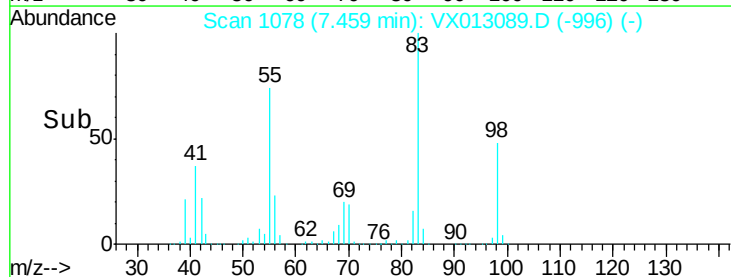
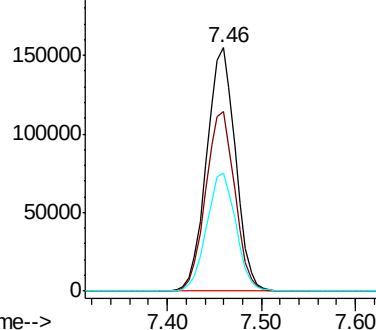


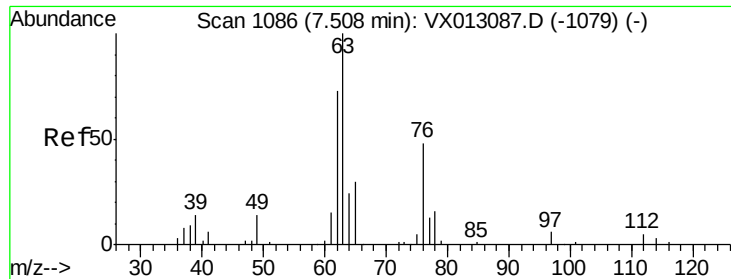
#38
 Methylcyclohexane
 Concen: 111.704 ug/l
 RT: 7.46 min Scan# 1078
 Delta R.T. -0.00 min
 Lab File: VX013089.D
 Acq: 16 Oct 2019 11:43

Tgt Ion: 83 Resp: 330939
 Ion Ratio Lower Upper
 83 100
 55 74.2 38.3 114.8
 98 49.2 24.9 74.7



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





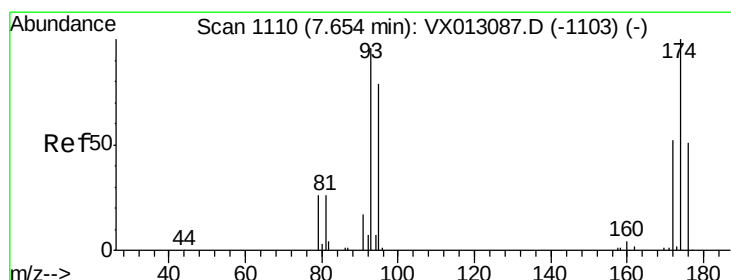
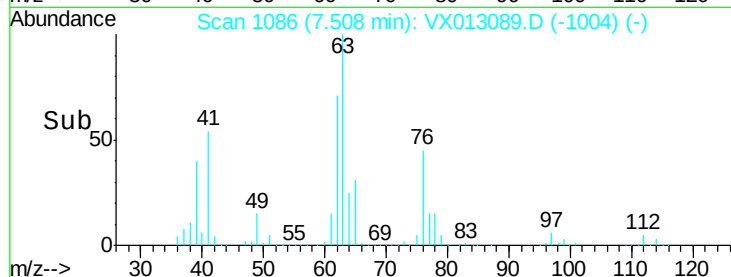
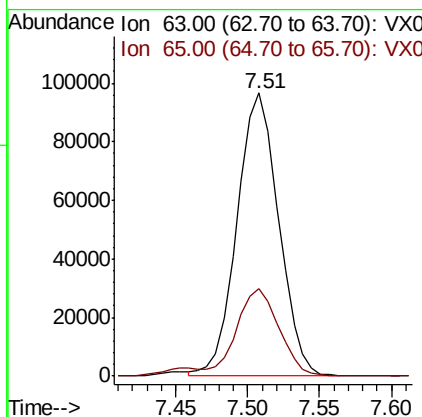
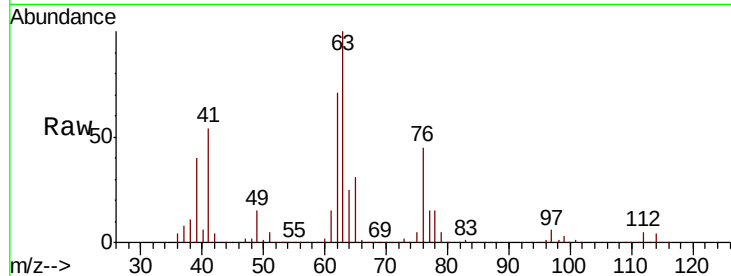
#39
 1,2-Dichloropropane
 Concen: 107.911 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: VX013089.D
 Acq: 16 Oct 2019 11:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion: 63 Resp: 192936
 Ion Ratio Lower Upper
 63 100
 65 30.8 25.6 38.4

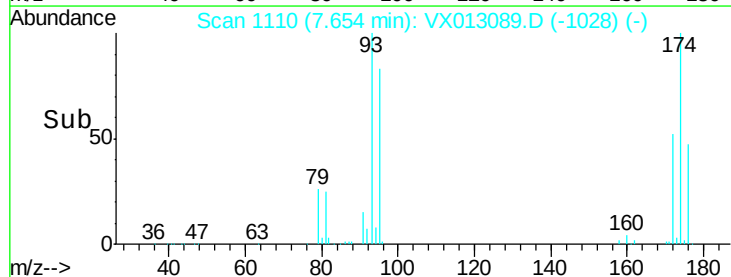
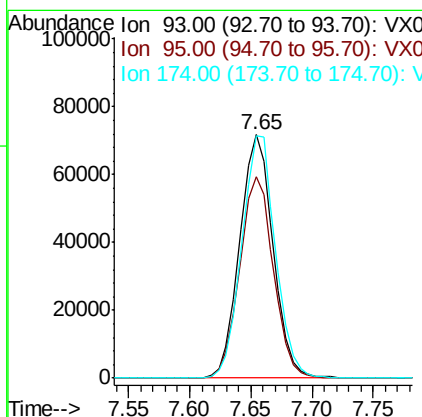
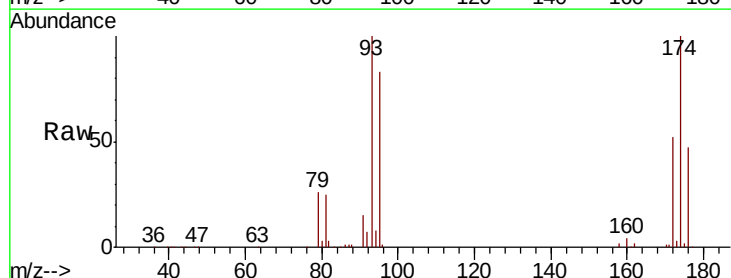
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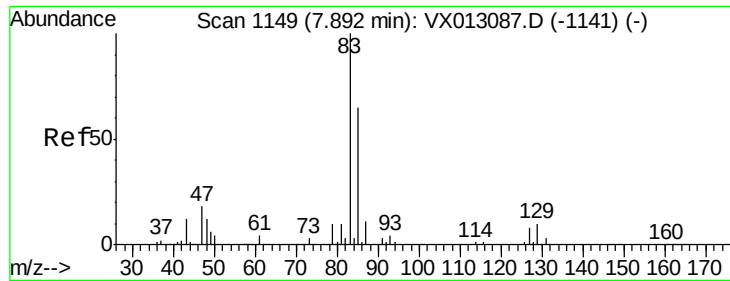
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#40
 Dibromomethane
 Concen: 105.670 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX013089.D
 Acq: 16 Oct 2019 11:43

Tgt Ion: 93 Resp: 135857
 Ion Ratio Lower Upper
 93 100
 95 83.4 0.0 171.2
 174 100.8 0.0 208.2





#41

Bromodichloromethane

Concen: 114.316 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX013089.D

Acq: 16 Oct 2019 11:43

Instrument :

MSVOA_X

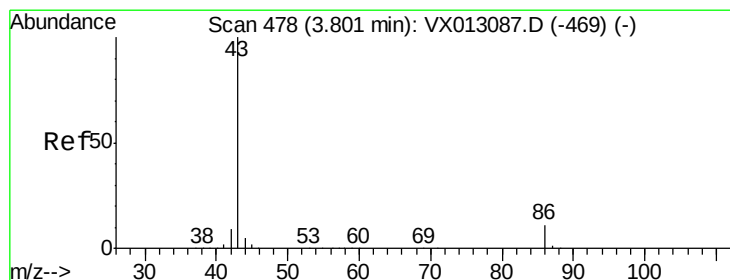
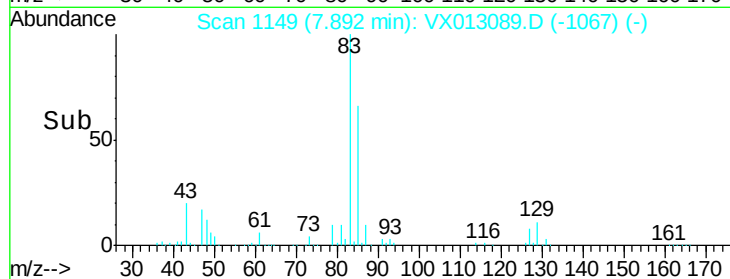
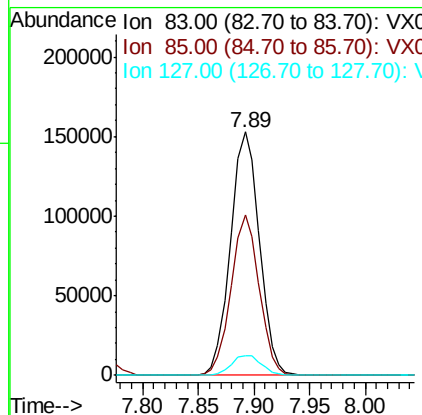
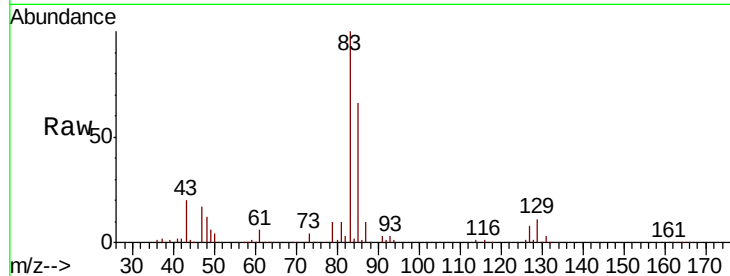
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	274998
Ion Ratio	Lower	Upper	
83	100		
85	65.7	51.8	77.8
127	8.3	6.7	10.1

Manual Integrations
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#42

Vinyl Acetate

Concen: 598.883 ug/l

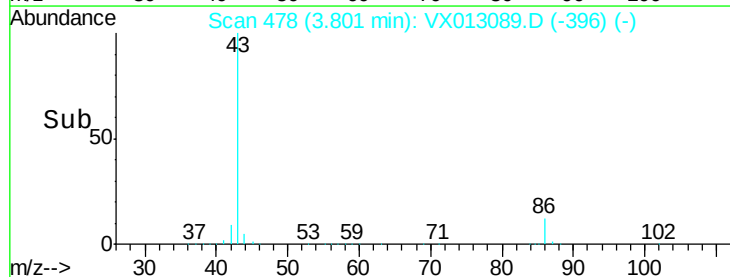
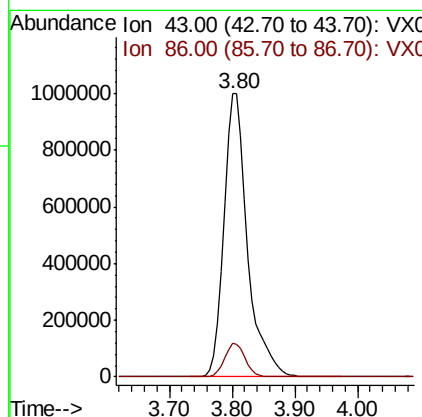
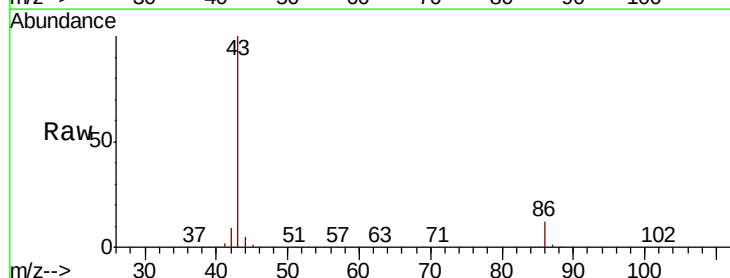
RT: 3.80 min Scan# 478

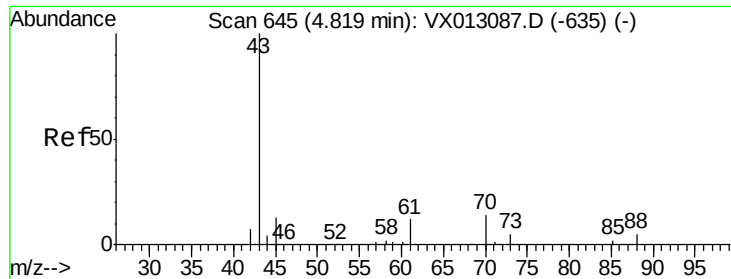
Delta R.T. -0.00 min

Lab File: VX013089.D

Acq: 16 Oct 2019 11:43

Tgt Ion:	43	Resp:	2588500
Ion Ratio	Lower	Upper	
43	100		
86	10.4	8.2	12.2





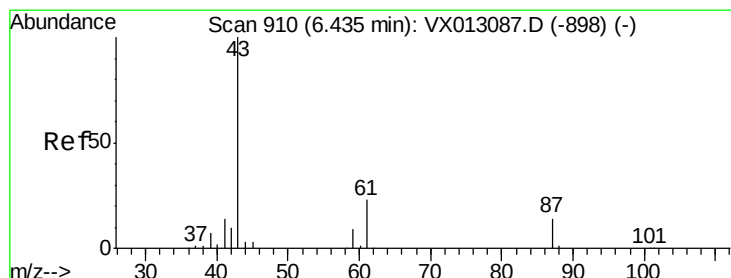
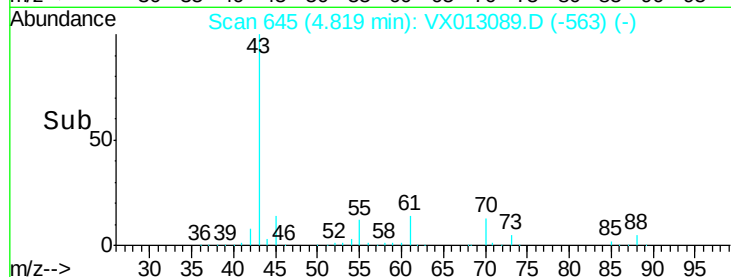
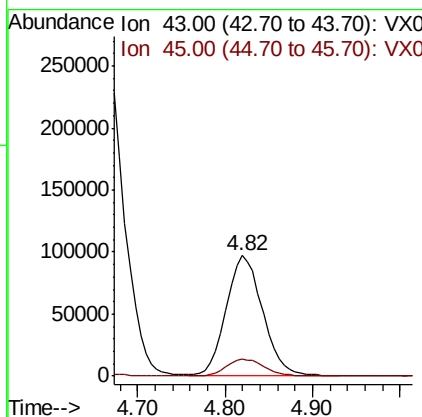
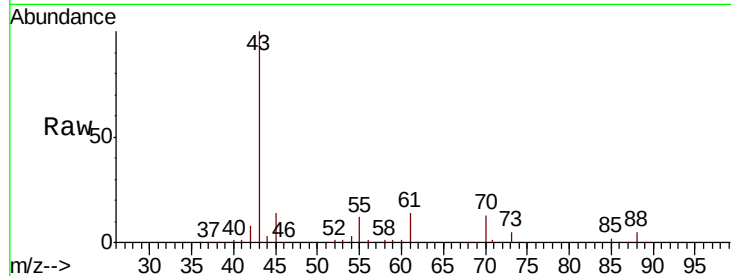
#43
Ethyl Acetate
Concen: 114.273 ug/l
RT: 4.82 min Scan# 645
Delta R.T. -0.00 min
Lab File: VX013089.D
Acq: 16 Oct 2019 11:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion: 43 Resp: 281464
Ion Ratio Lower Upper
43 100
45 15.3 12.8 19.2

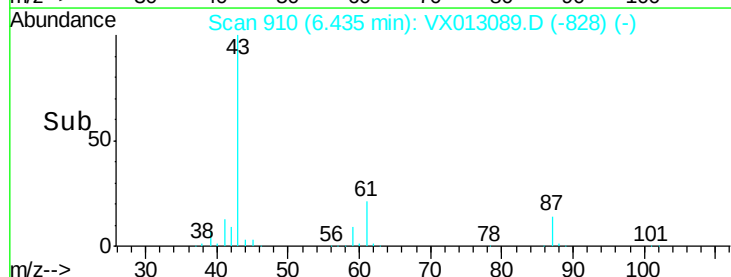
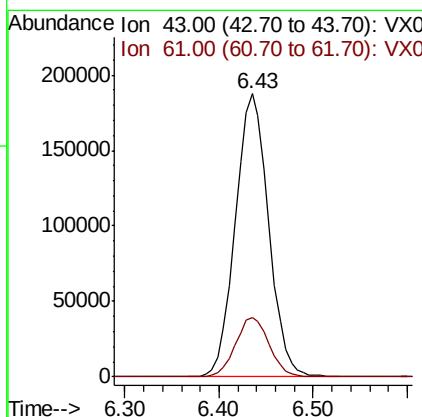
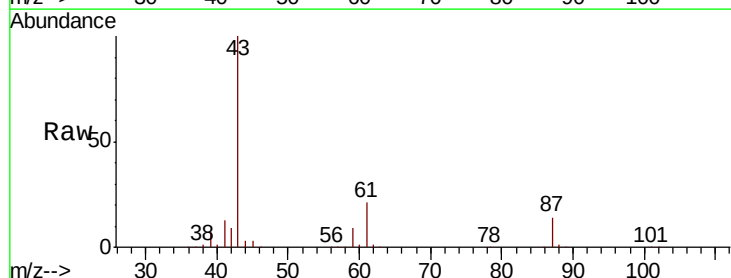
Manual Integrations
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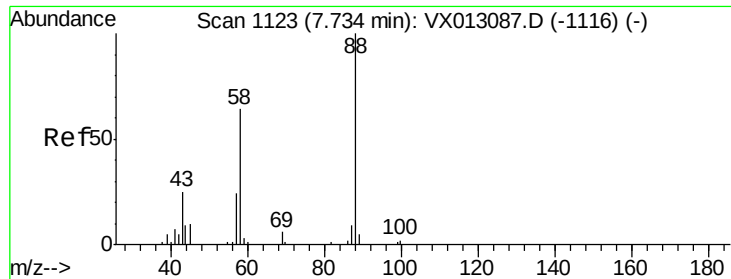
MMDadoda
10/18/2019 4:52:02 PM



#44
Isopropyl Acetate
Concen: 114.091 ug/l
RT: 6.43 min Scan# 910
Delta R.T. -0.00 min
Lab File: VX013089.D
Acq: 16 Oct 2019 11:43

Tgt Ion: 43 Resp: 462025
Ion Ratio Lower Upper
43 100
61 21.4 16.7 25.1





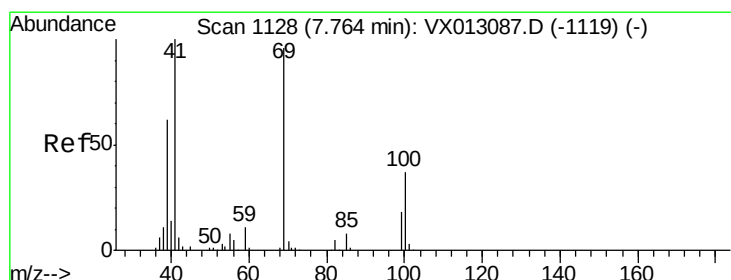
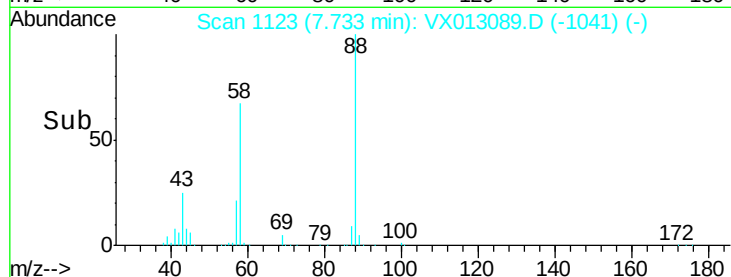
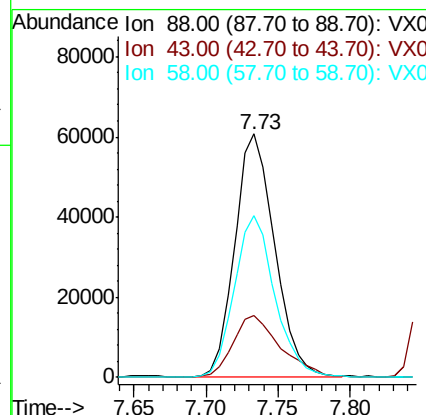
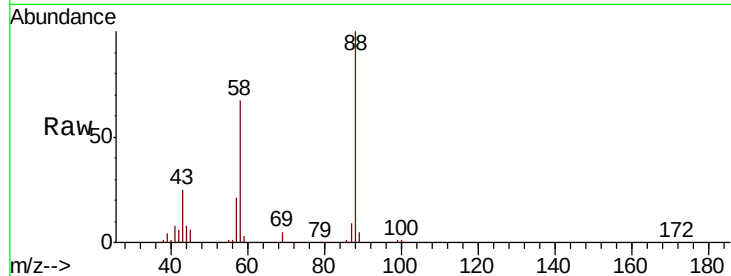
#45
 1,4-Dioxane
 Concen: 2303.832 ug/l
 RT: 7.73 min Scan# 1123
 Delta R.T. -0.00 min
 Lab File: VX013089.D
 Acq: 16 Oct 2019 11:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
88	100	117590		
43	29.9		26.0	39.0
58	67.5		53.0	79.4

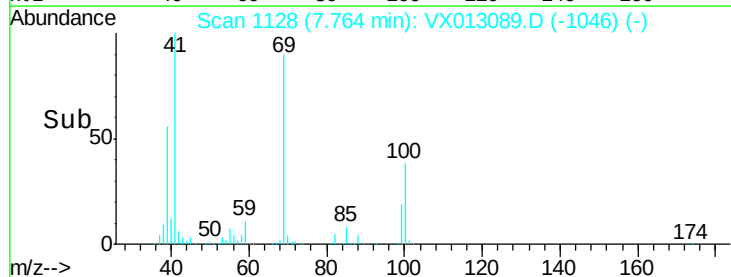
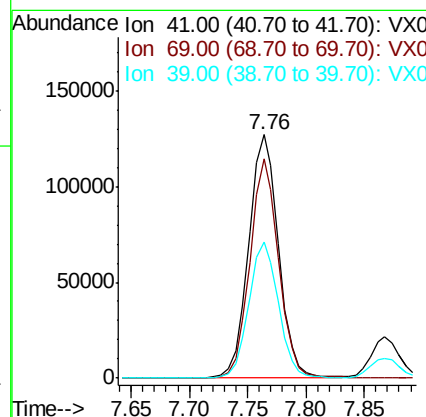
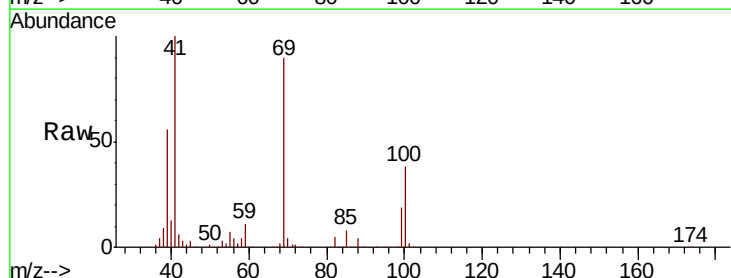
Manual Integrations
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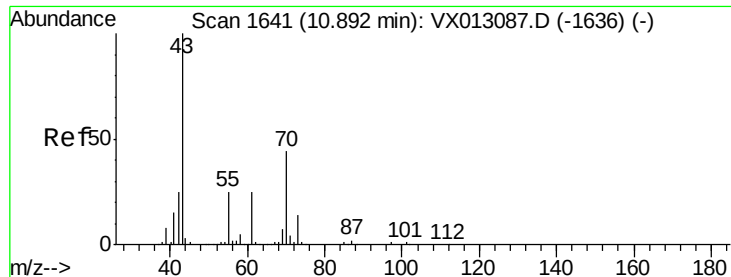
MMDadoda
 10/18/2019 4:52:02 PM



#46
 Methyl methacrylate
 Concen: 116.245 ug/l
 RT: 7.76 min Scan# 1128
 Delta R.T. -0.00 min
 Lab File: VX013089.D
 Acq: 16 Oct 2019 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	227131		
69	90.0		48.1	144.3
39	55.8		31.2	93.6





#47

n-amvl Acetate

Concen: 117.685 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX013089.D

Acq: 16 Oct 2019 11:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 418019

Ion Ratio Lower Upper

43 100

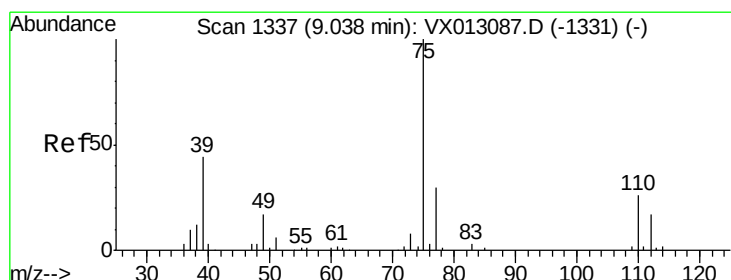
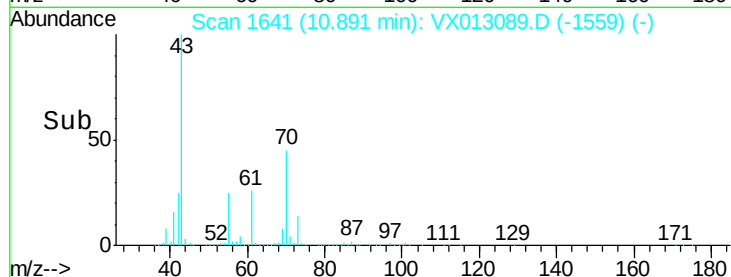
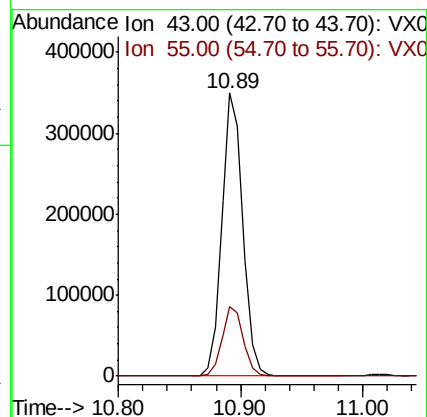
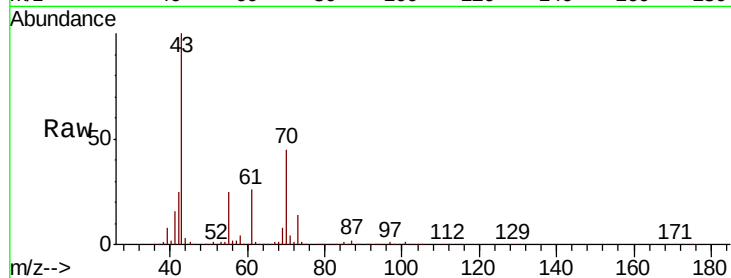
55 24.8 20.6 31.0

Manual Integrations

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#48

t-1,3-Dichloropropene

Concen: 123.317 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. -0.00 min

Lab File: VX013089.D

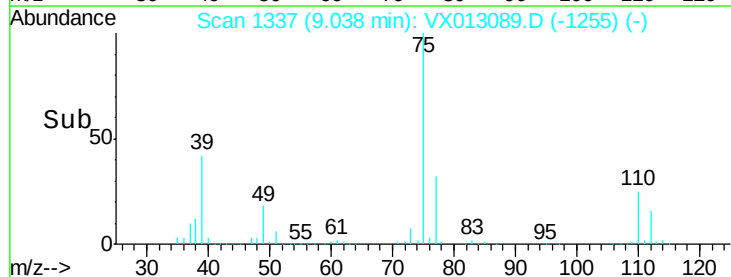
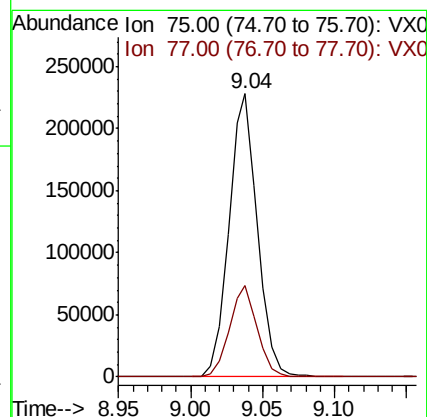
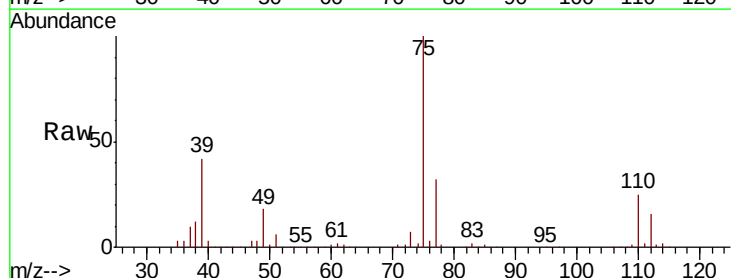
Acq: 16 Oct 2019 11:43

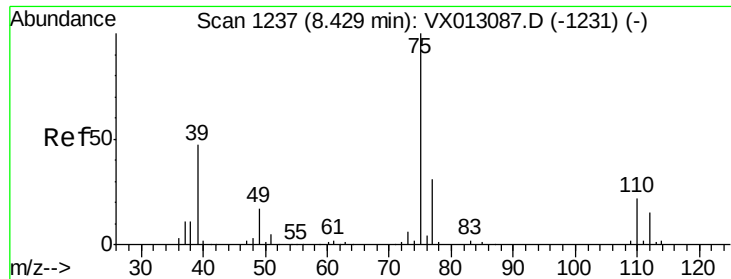
Tgt Ion: 75 Resp: 314550

Ion Ratio Lower Upper

75 100

77 32.2 23.7 35.5





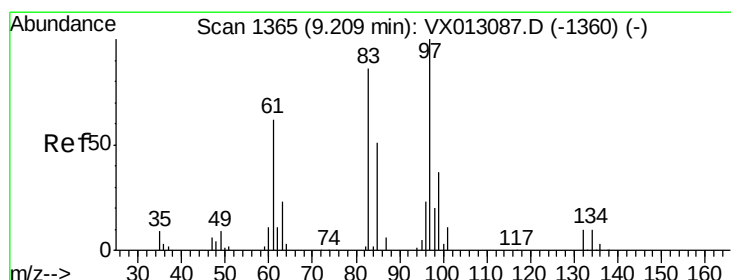
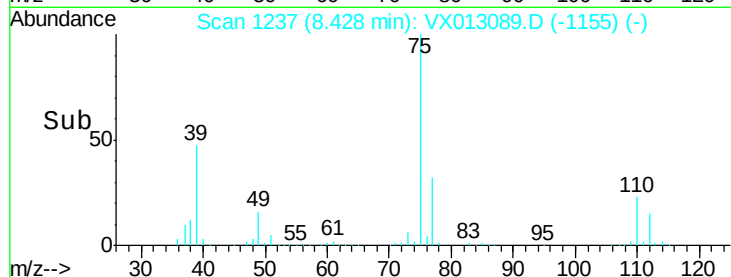
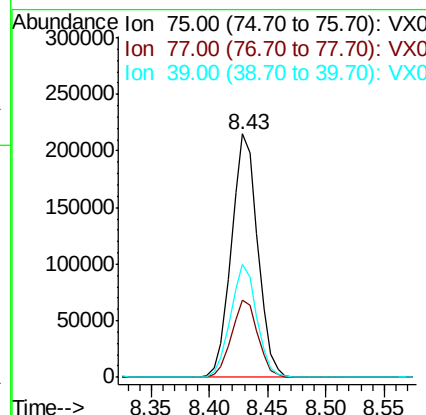
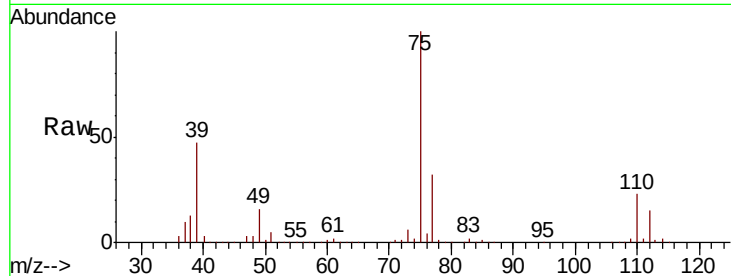
#49
 cis-1,3-Dichloropropene
 Concen: 120.885 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. -0.00 min
 Lab File: VX013089.D
 Acq: 16 Oct 2019 11:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	24.7	37.1
39	46.6	37.4	56.0

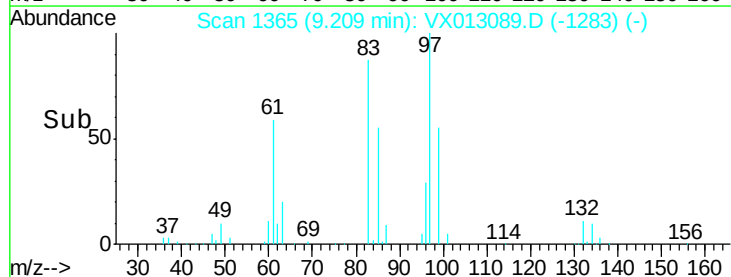
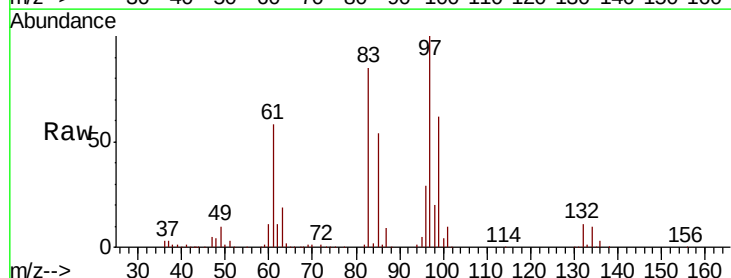
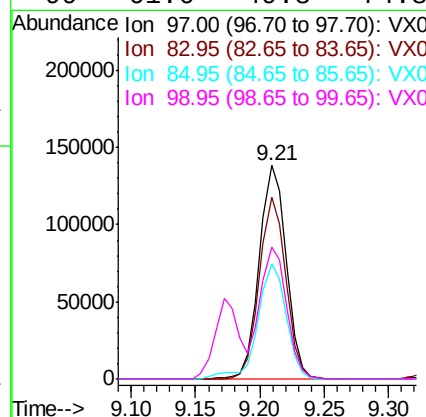
Manual Integrations
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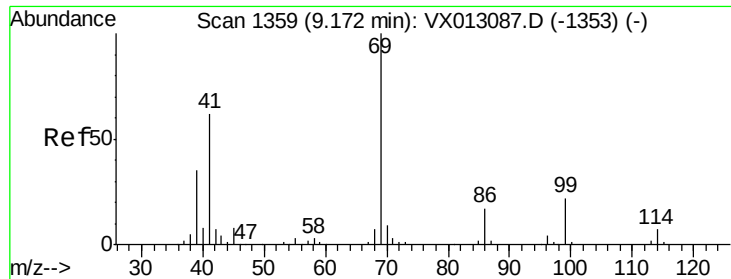
MMDadoda
 10/18/2019 4:52:02 PM



#50
 1,1,2-Trichloroethane
 Concen: 105.657 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX013089.D
 Acq: 16 Oct 2019 11:43

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.3	68.1	102.1
85	53.8	42.6	64.0
99	61.6	49.8	74.8





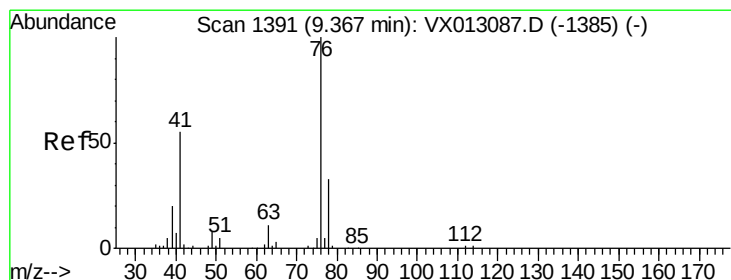
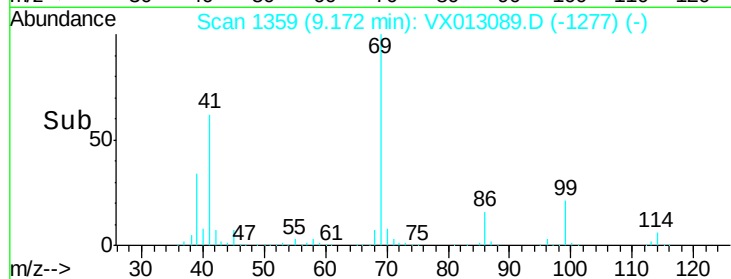
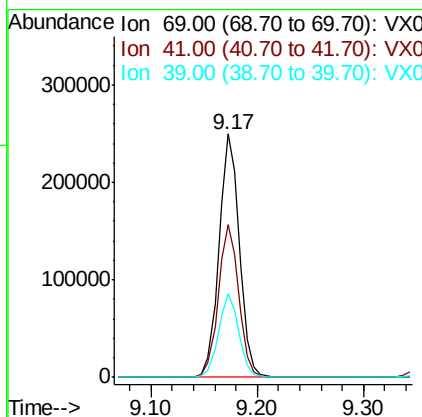
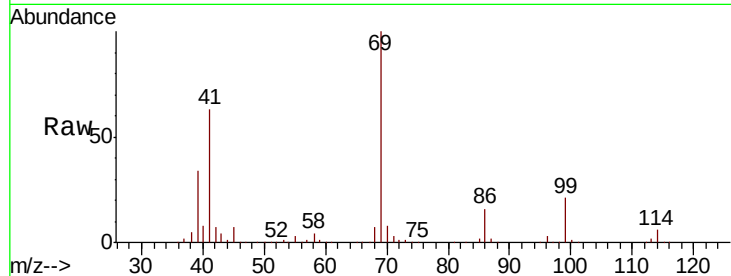
#51
Ethyl methacrylate
Concen: 113.049 ug/l
RT: 9.17 min Scan# 1359
Delta R.T. -0.00 min
Lab File: VX013089.D
Acq: 16 Oct 2019 11:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
69	100		
41	62.5	31.1	93.3
39	34.1	17.6	52.9

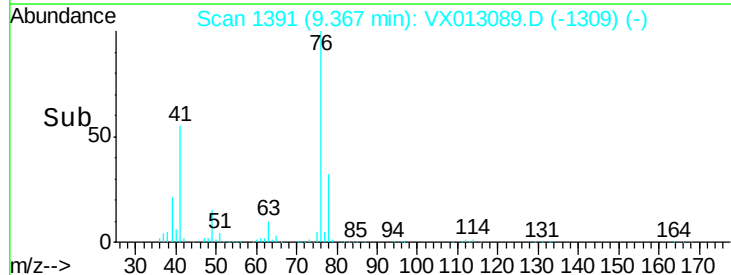
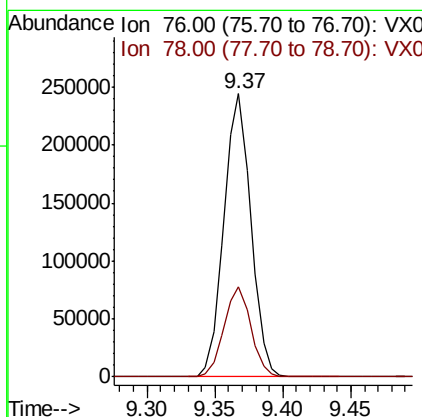
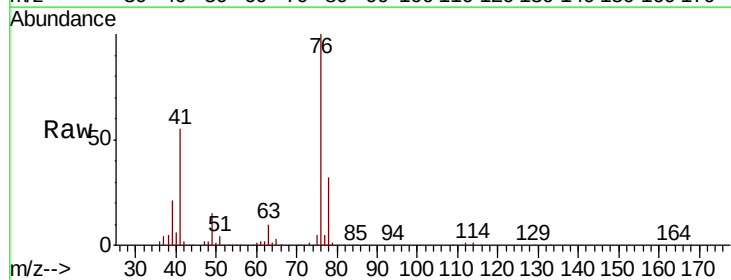
Manual Integrations
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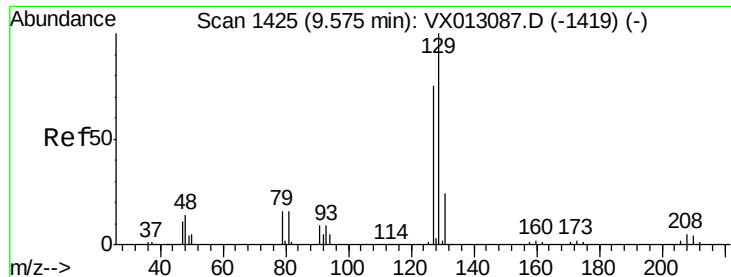
MMDadoda
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#52
1,3-Dichloropropane
Concen: 109.310 ug/l
RT: 9.37 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VX013089.D
Acq: 16 Oct 2019 11:43

Tgt Ion	Ratio	Lower	Upper
76	100		
78	31.9	0.0	64.2





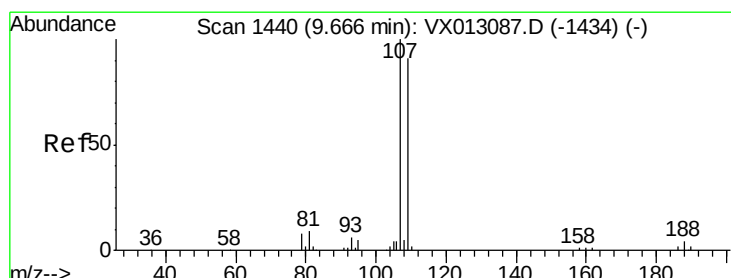
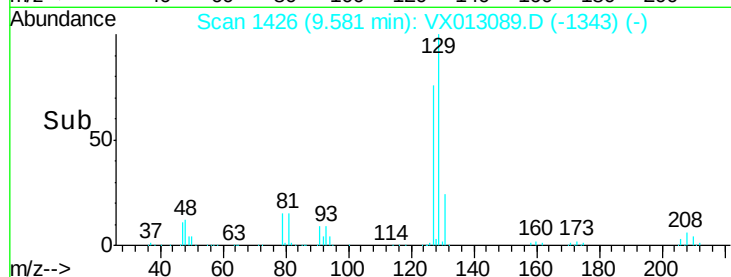
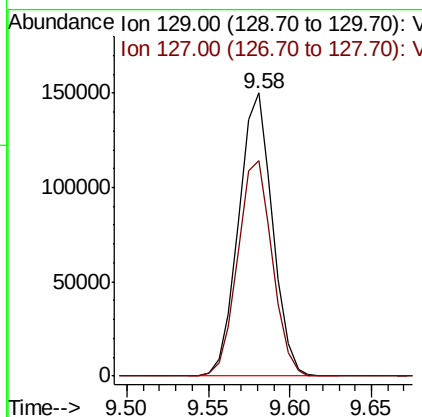
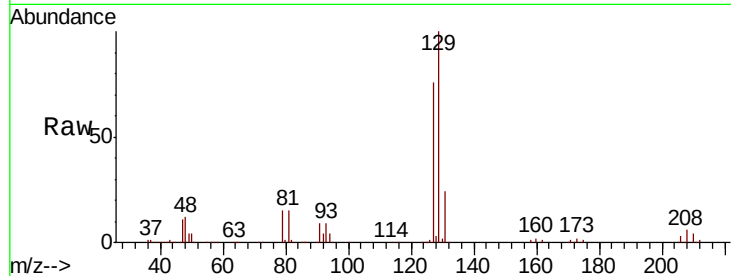
#53
Dibromochloromethane
Concen: 106.353 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. 0.01 min
Lab File: VX013089.D
Acq: 16 Oct 2019 11:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
129	100		
127	77.7	38.0	113.9

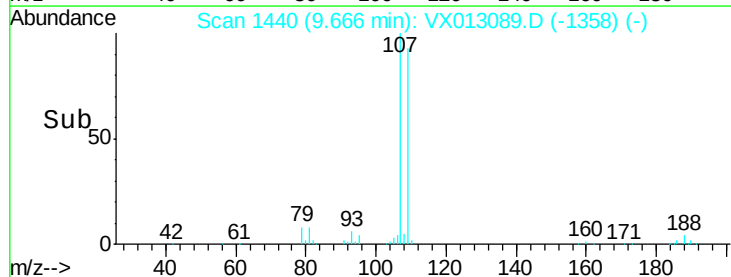
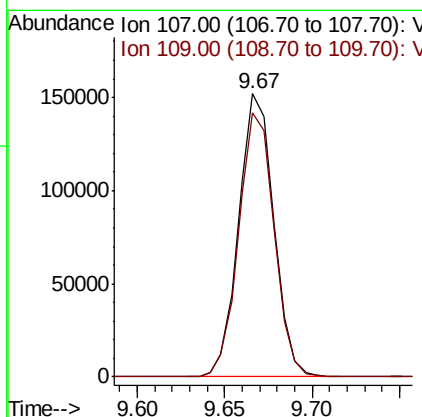
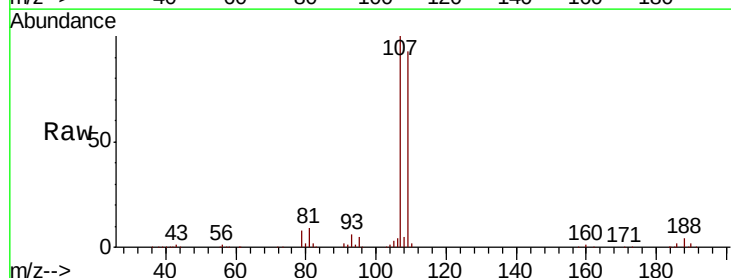
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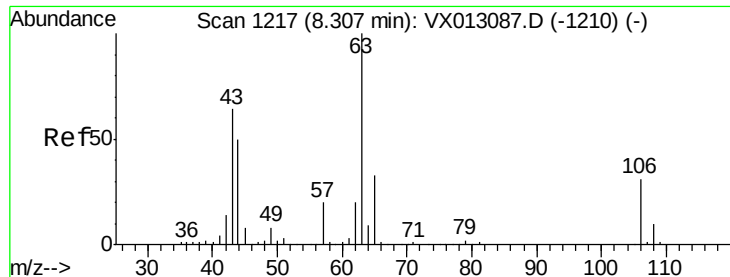
MMDadoda
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#54
1,2-Dibromoethane
Concen: 102.786 ug/l
RT: 9.67 min Scan# 1440
Delta R.T. -0.00 min
Lab File: VX013089.D
Acq: 16 Oct 2019 11:43

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.6	73.6	110.4





#55

2-Chloroethyl vinyl ether

Concen: 575.604 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VX013089.D

Acq: 16 Oct 2019 11:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 725668

Ion Ratio Lower Upper

63 100

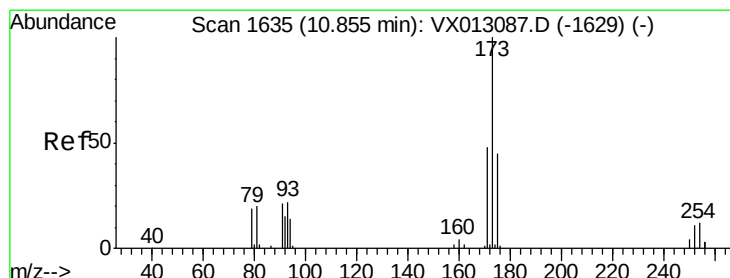
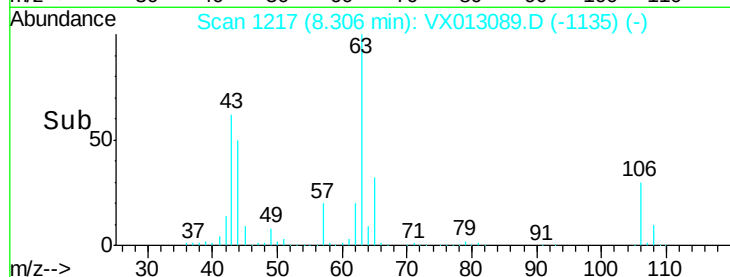
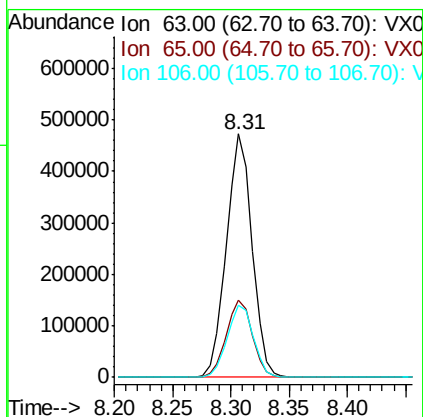
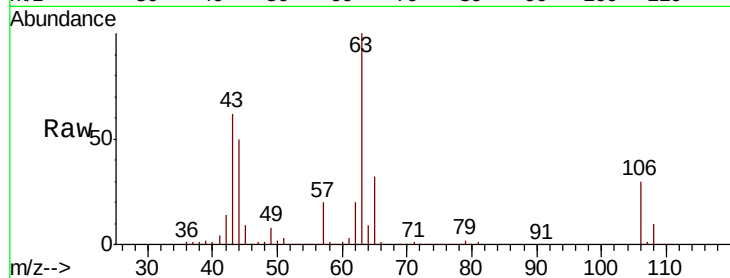
65 32.1 25.9 38.9

106 30.4 24.3 36.5

Manual Integrations
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#56

Bromoform

Concen: 105.756 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VX013089.D

Acq: 16 Oct 2019 11:43

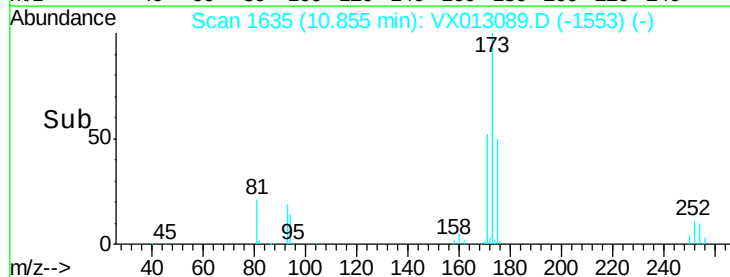
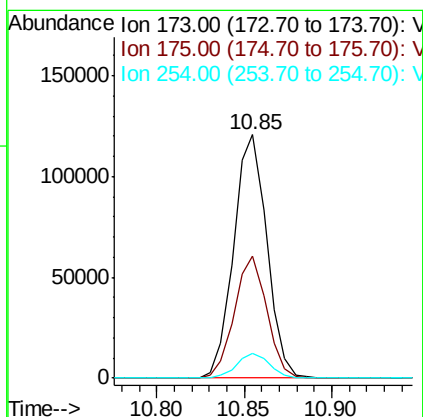
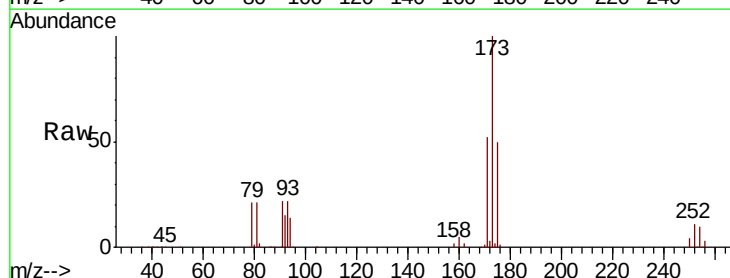
Tgt Ion: 173 Resp: 159331

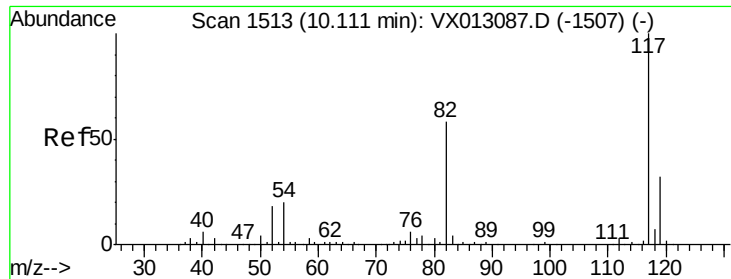
Ion Ratio Lower Upper

173 100

175 49.1 37.8 56.8

254 10.1 7.9 11.9





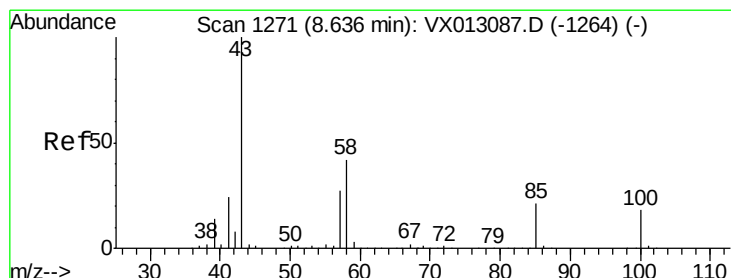
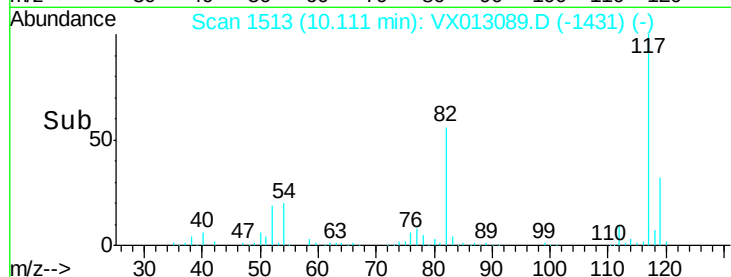
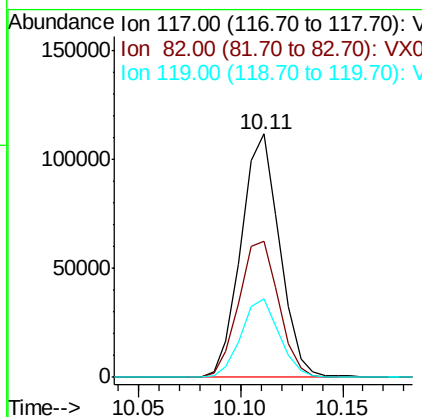
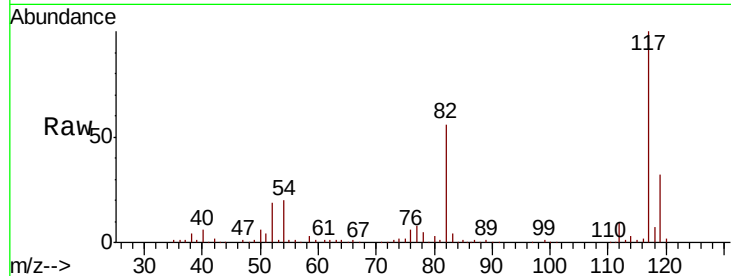
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013089.D
Acq: 16 Oct 2019 11:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.1	46.7	70.1
119	32.1	25.8	38.6

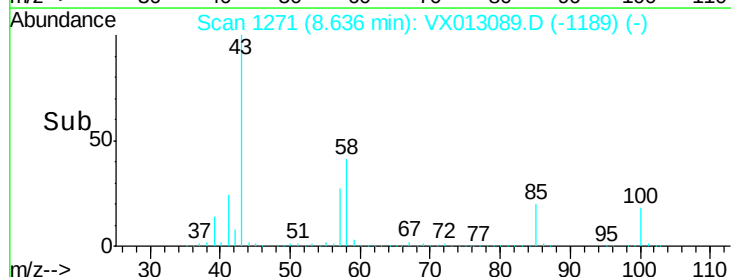
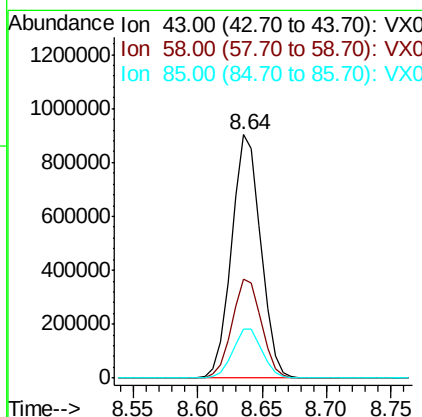
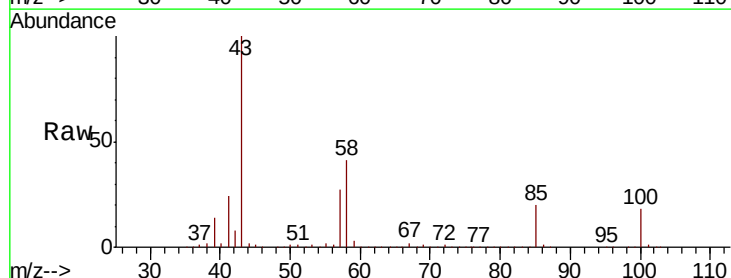
Manual Integrations
APPROVED

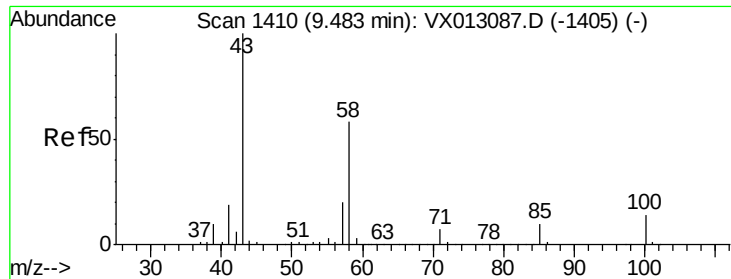
MMDadoda
10/18/2019 4:52:02 PM



#58
4-Methyl-2-Pentanone
Concen: 566.544 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VX013089.D
Acq: 16 Oct 2019 11:43

Tgt Ion	Ratio	Lower	Upper
43	100		
58	41.0	33.0	49.4
85	20.3	16.0	24.0





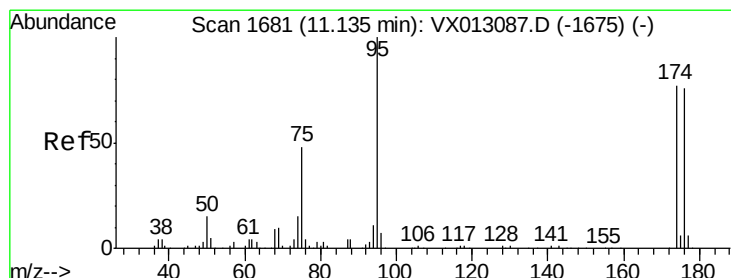
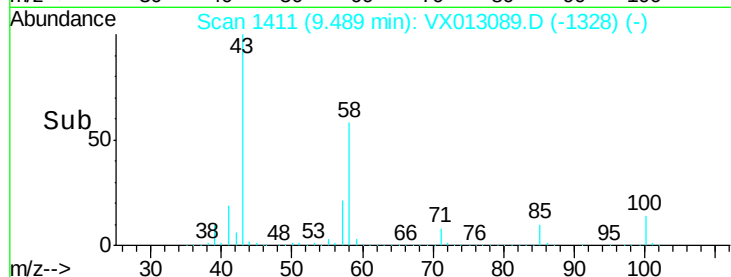
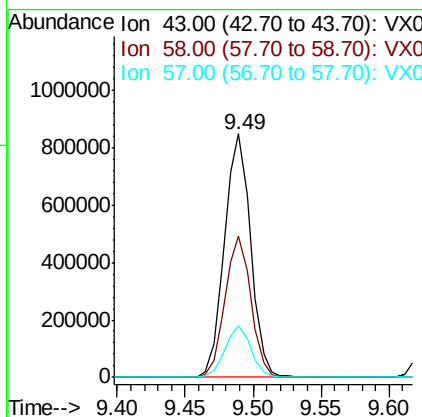
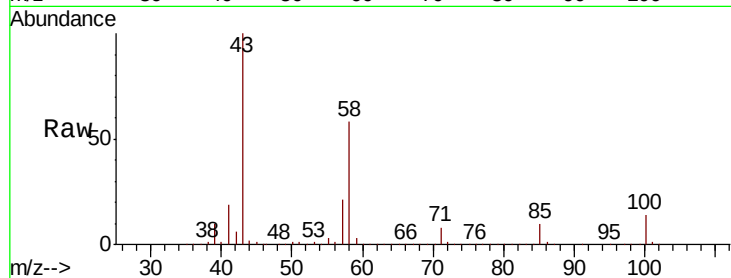
#59
2-Hexanone
Concen: 585.184 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.01 min
Lab File: VX013089.D
Acq: 16 Oct 2019 11:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1134884
Ion Ratio Lower Upper
43 100
58 57.6 45.4 68.2
57 20.8 16.2 24.2

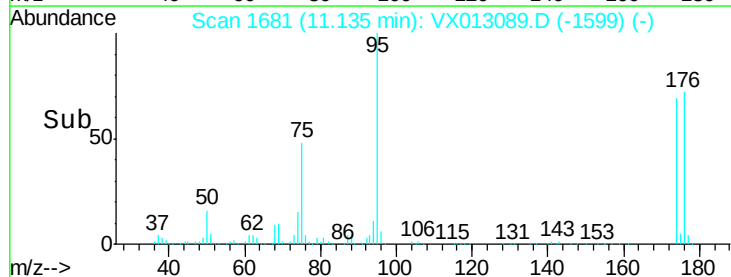
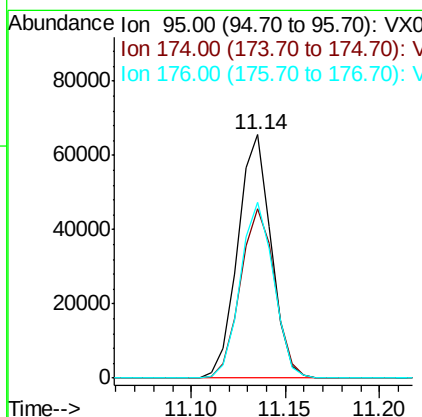
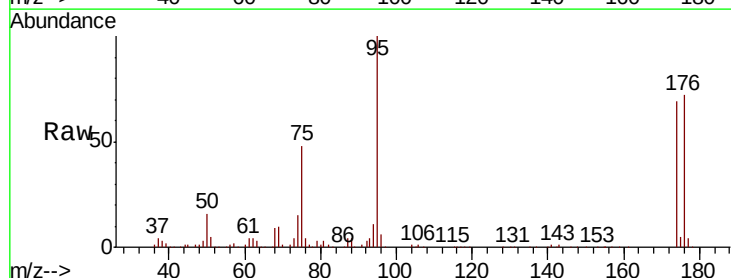
Manual Integrations
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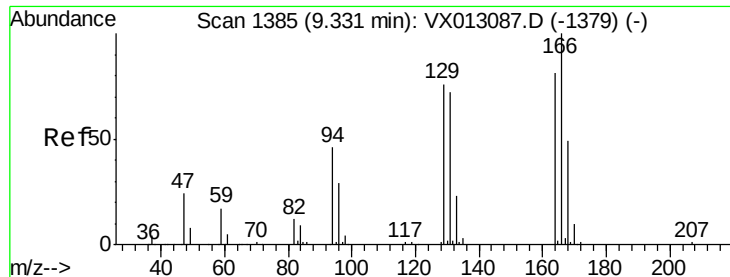
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 32.756 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX013089.D
Acq: 16 Oct 2019 11:43

Tgt Ion: 95 Resp: 80663
Ion Ratio Lower Upper
95 100
174 71.5 58.8 88.2
176 72.4 56.6 84.8





#61

Tetrachloroethene

Concen: 97.805 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VX013089.D

Acq: 16 Oct 2019 11:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:164 Resp: 189494

Ion Ratio Lower Upper

164 100

166 129.4 98.4 147.6

129 97.9 75.2 112.8

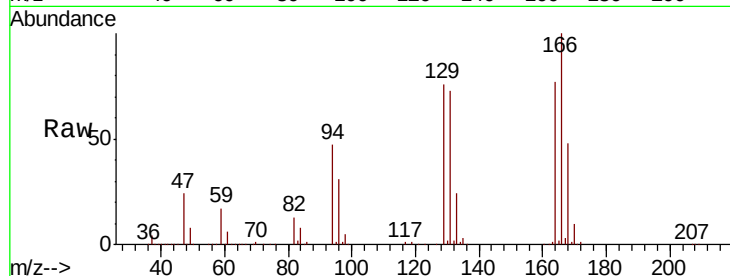
131 94.5 70.4 105.6

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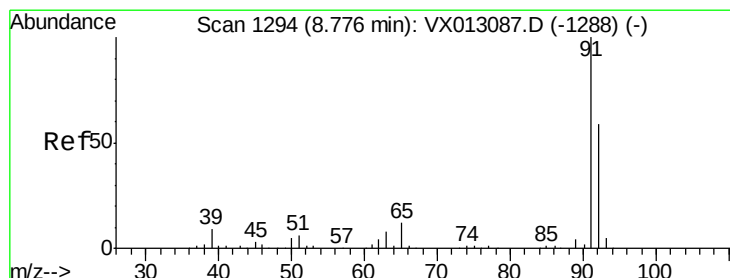
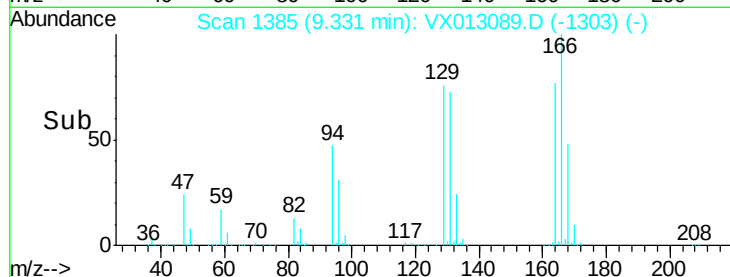
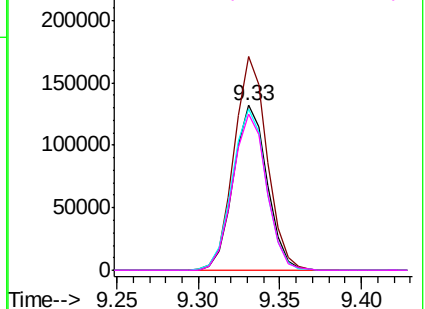


Abundance Ion 163.85 (163.55 to 164.55): V

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: 107.022 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.01 min

Lab File: VX013089.D

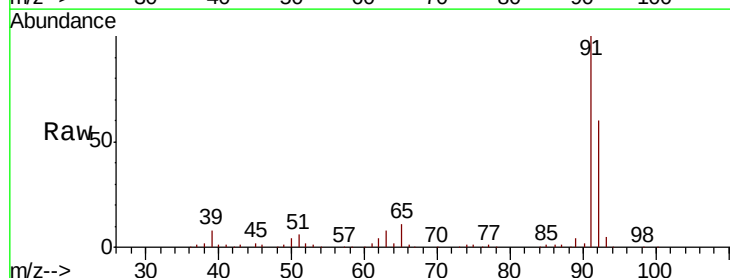
Acq: 16 Oct 2019 11:43

Tgt Ion: 91 Resp: 838417

Ion Ratio Lower Upper

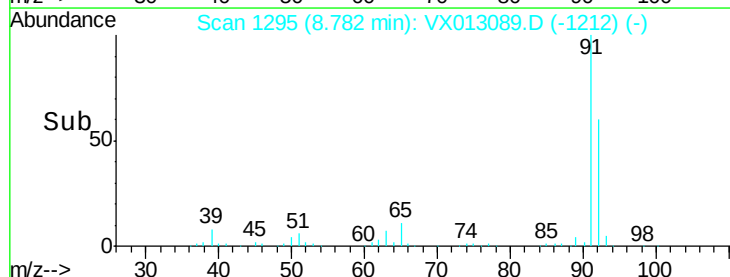
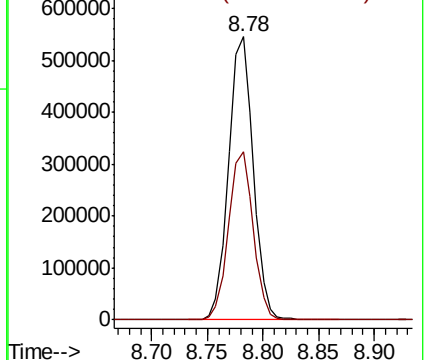
91 100

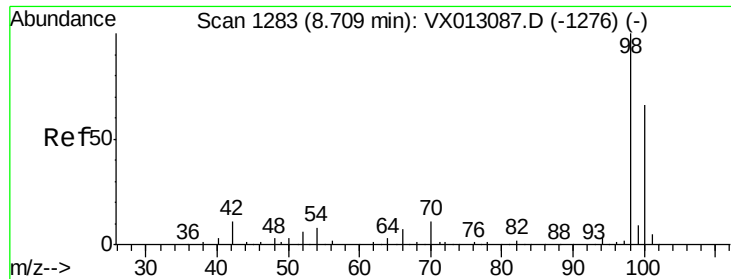
92 59.3 47.6 71.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 30.872 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013089.D

Acq: 16 Oct 2019 11:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 98 Resp: 201126

Ion Ratio Lower Upper

98 100

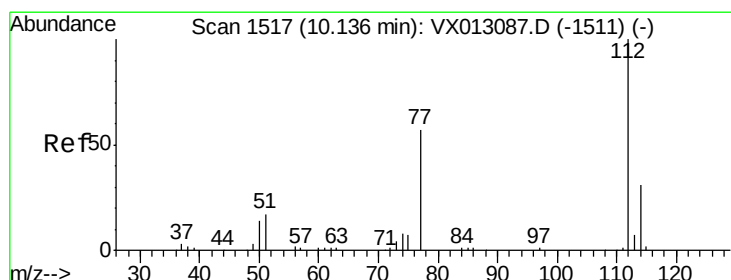
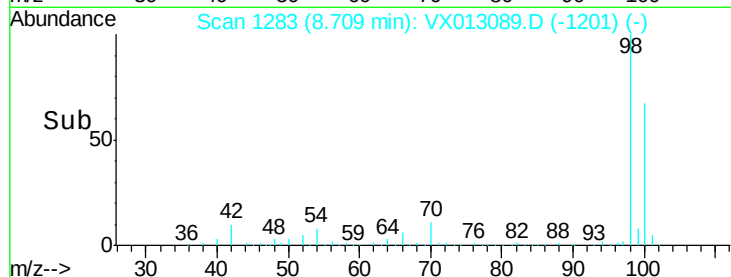
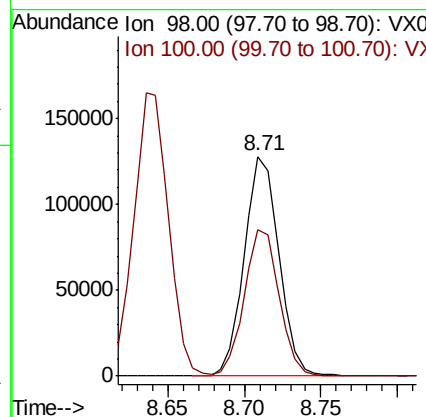
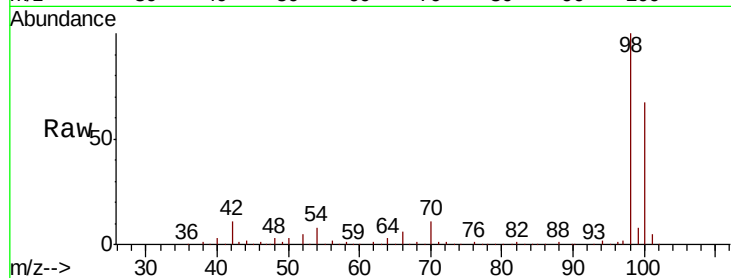
100 67.0 53.8 80.6

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#64

Chlorobenzene

Concen: 105.799 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. -0.00 min

Lab File: VX013089.D

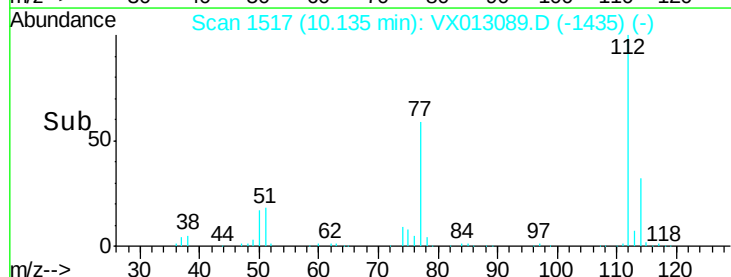
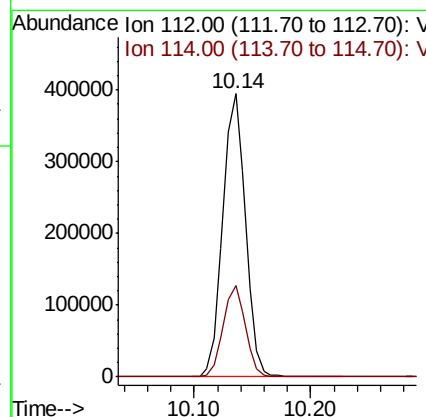
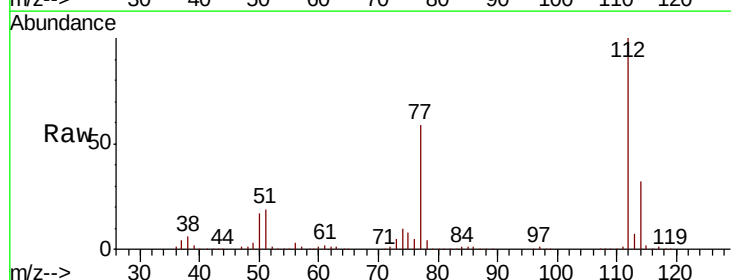
Acq: 16 Oct 2019 11:43

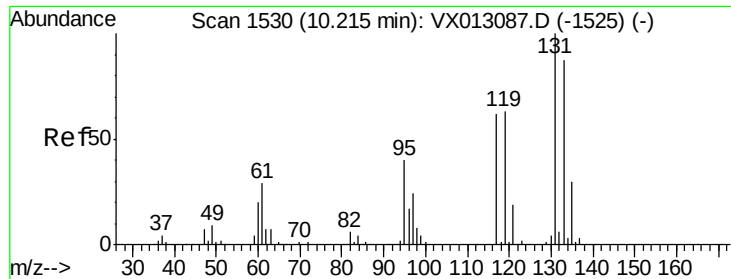
Tgt Ion: 112 Resp: 530486

Ion Ratio Lower Upper

112 100

114 32.2 25.2 37.8





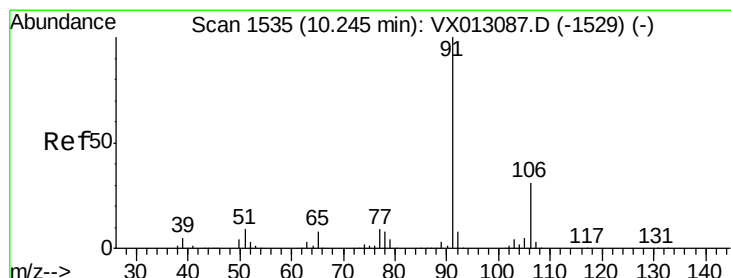
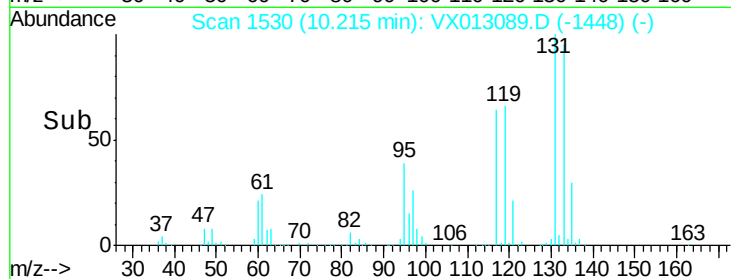
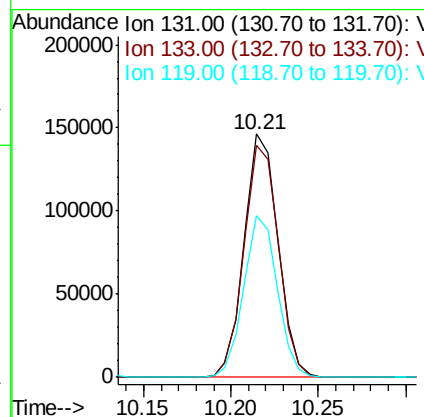
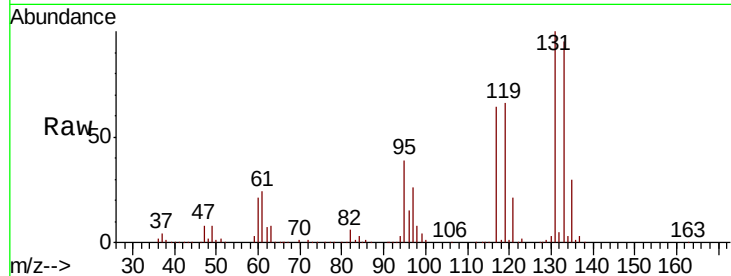
#65
 1,1,1,2-Tetrachloroethane
 Concen: 108.310 ug/l
 RT: 10.21 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VX013089.D
 Acq: 16 Oct 2019 11:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
131	100	198610		
133	97.0	0.0	187.8	
119	65.9	0.0	128.4	

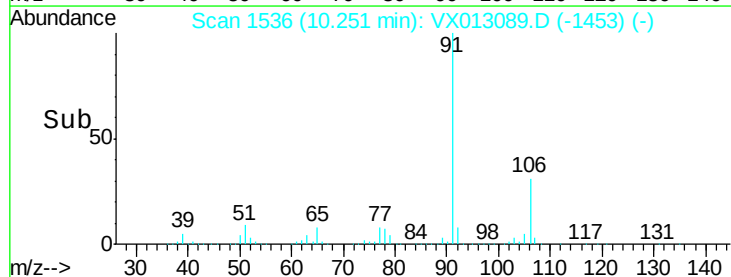
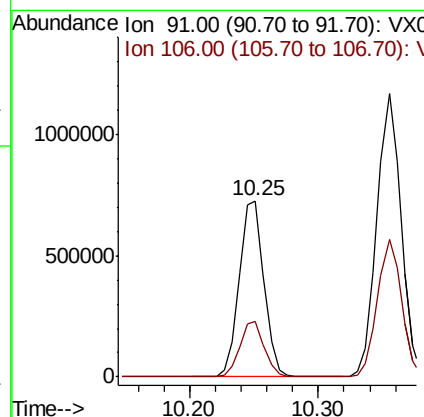
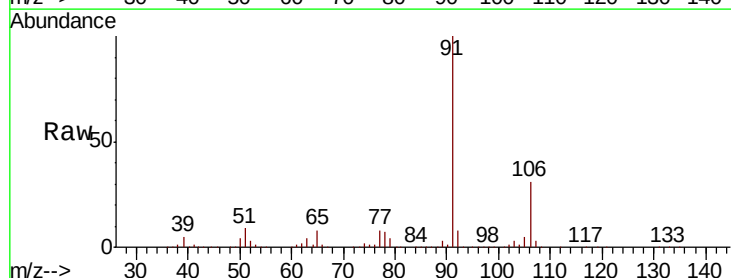
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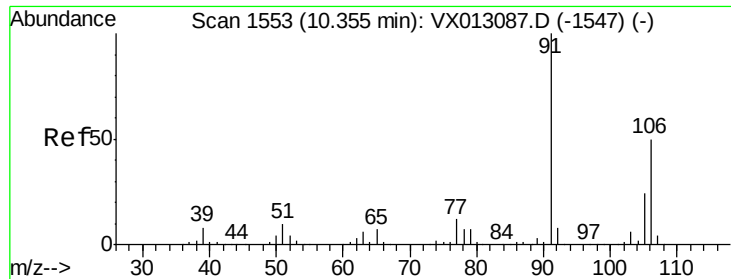
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#66
 Ethyl Benzene
 Concen: 110.359 ug/l
 RT: 10.25 min Scan# 1536
 Delta R.T. 0.01 min
 Lab File: VX013089.D
 Acq: 16 Oct 2019 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	972919		
106	31.3	25.0	37.4	





#67

m/p-Xylenes

Concen: 217.552 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VX013089.D

Acq: 16 Oct 2019 11:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:106 Resp: 730468

Ion Ratio Lower Upper

106 100

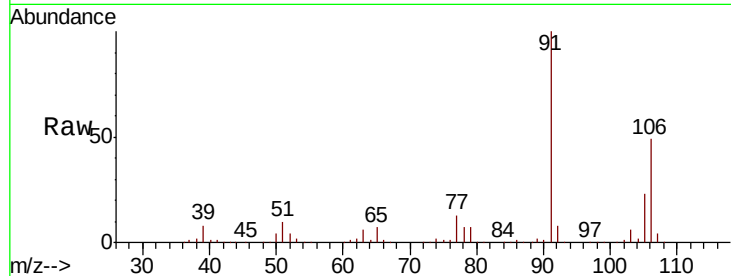
91 205.5 162.6 243.8

Manual Integrations

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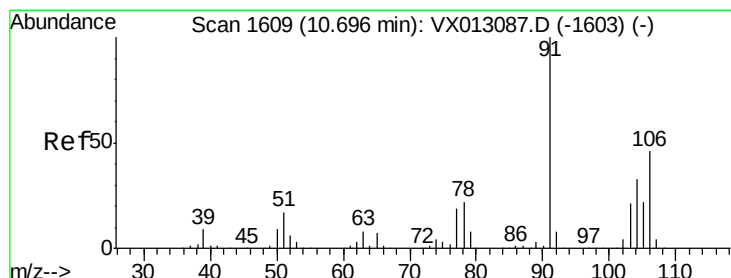
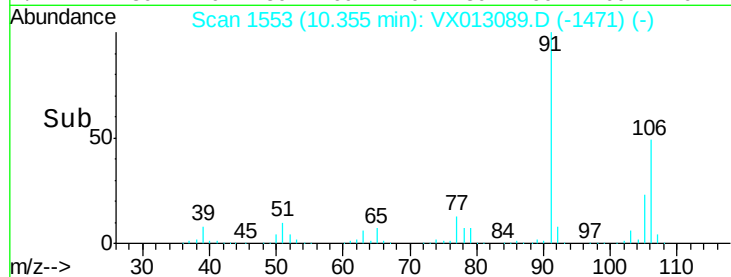
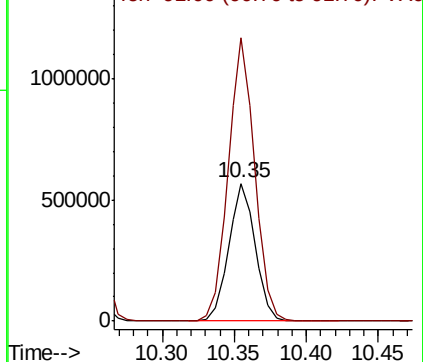
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 107.447 ug/l

RT: 10.70 min Scan# 1609

Delta R.T. -0.00 min

Lab File: VX013089.D

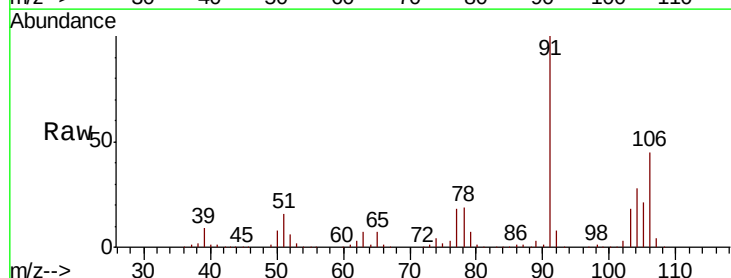
Acq: 16 Oct 2019 11:43

Tgt Ion:106 Resp: 353993

Ion Ratio Lower Upper

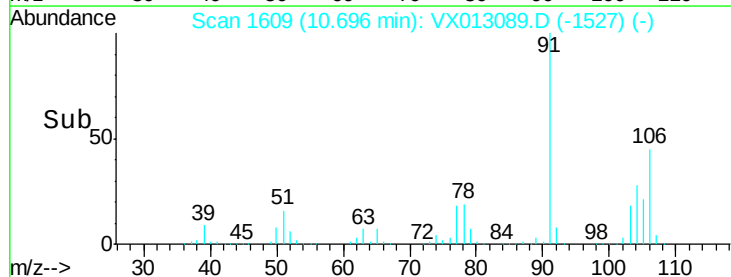
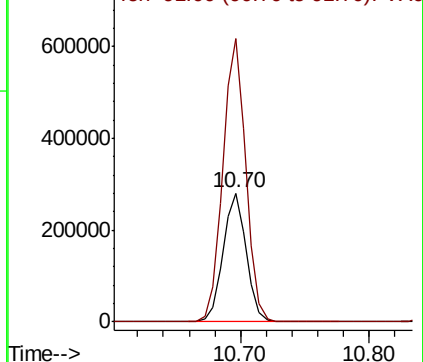
106 100

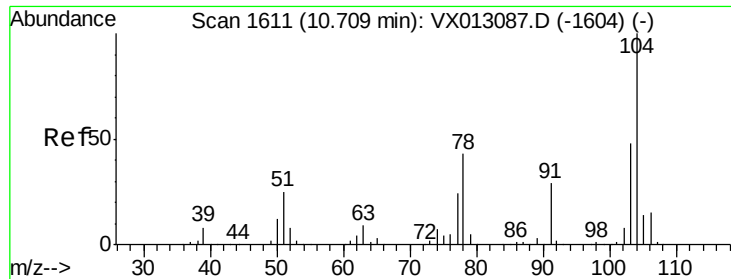
91 218.6 109.1 327.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





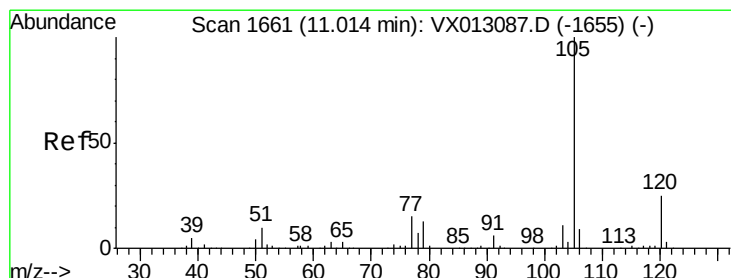
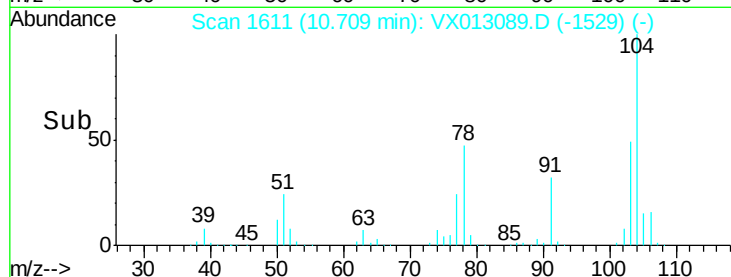
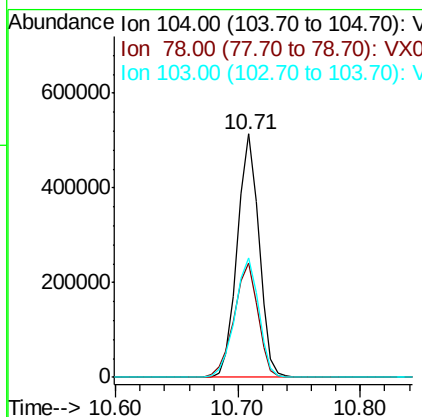
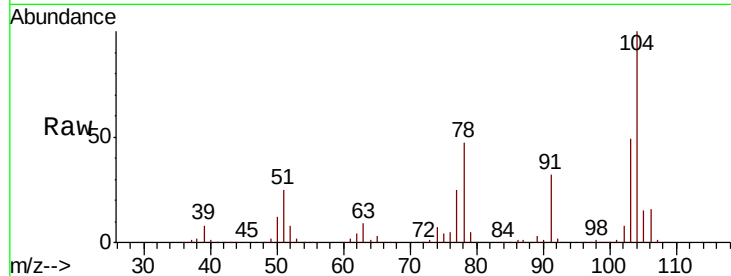
#69
Stvrene
Concen: 112.840 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX013089.D
Acq: 16 Oct 2019 11:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
104	100		
78	51.7	41.0	61.4
103	54.1	42.8	64.2

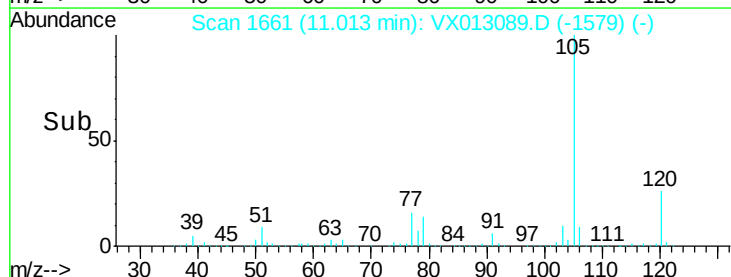
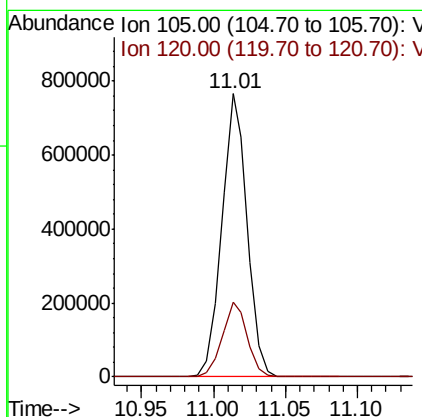
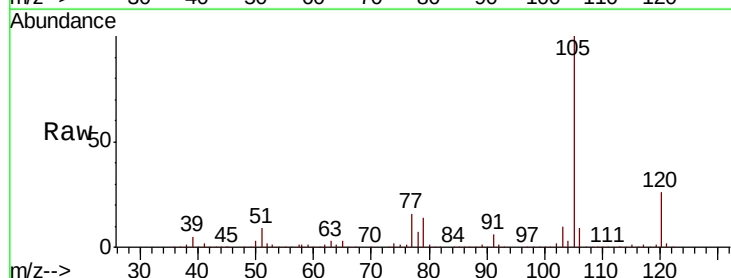
Manual Integrations
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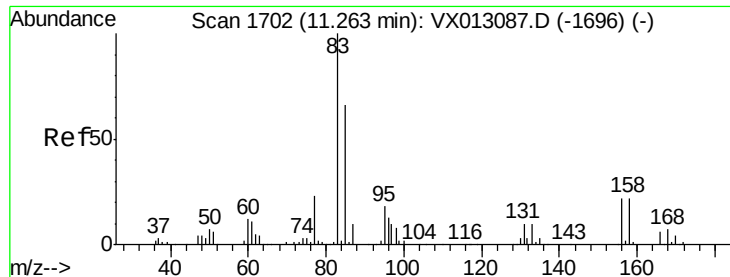
MMDadoda
10/18/2019 4:52:02 PM



#70
Isopropylbenzene
Concen: 107.319 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX013089.D
Acq: 16 Oct 2019 11:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.2	17.9	33.3





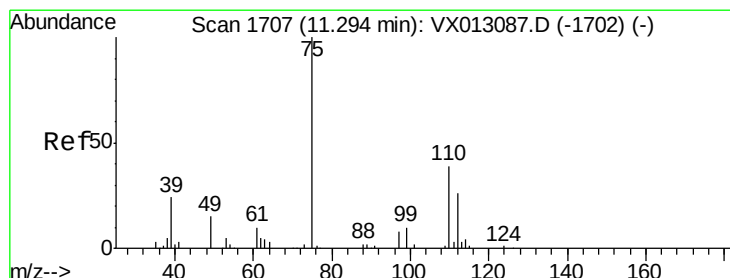
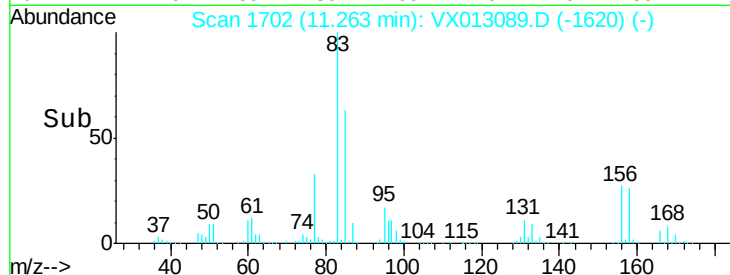
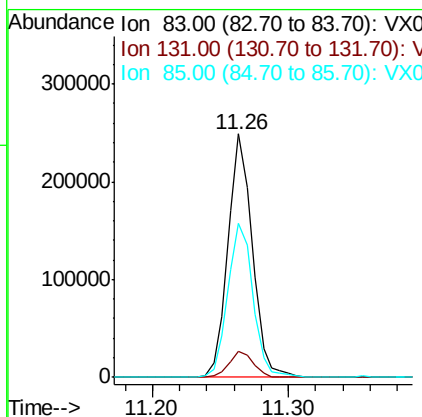
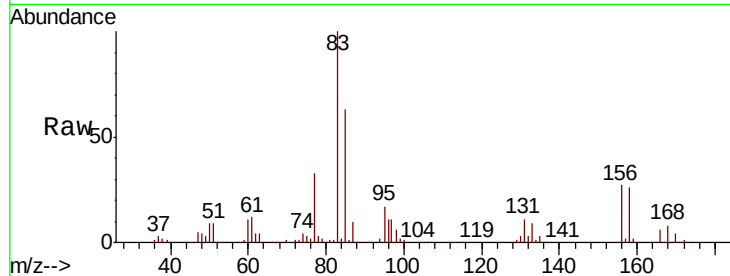
#71
 1,1,2,2-Tetrachloroethane
 Concen: 109.097 ug/l
 RT: 11.26 min Scan# 1702
 Delta R.T. -0.00 min
 Lab File: VX013089.D
 Acq: 16 Oct 2019 11:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100	309890		
131	10.7	4.9	14.6	
85	65.7	31.9	95.9	

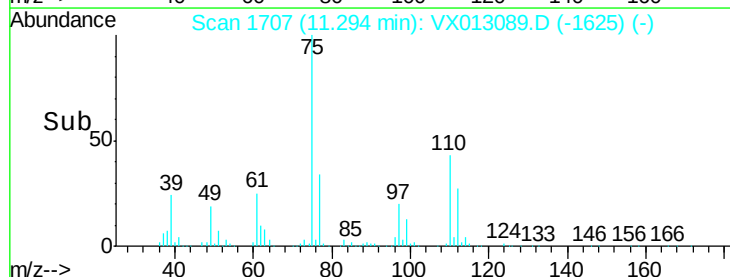
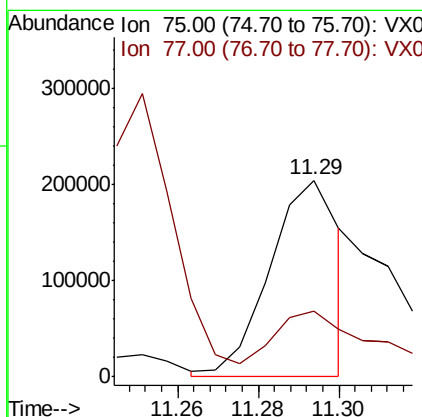
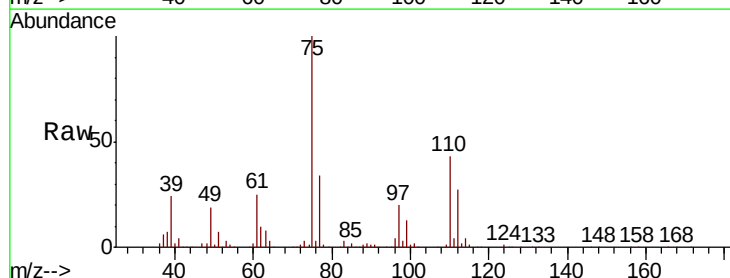
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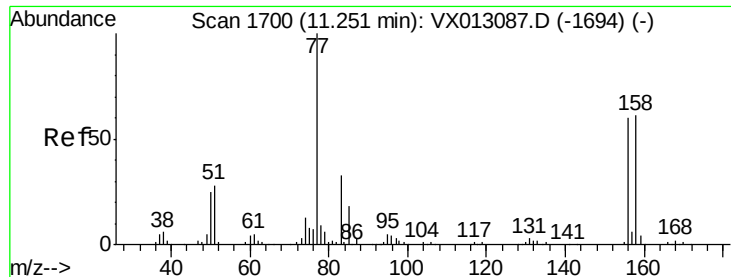
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#72
 1,2,3-Trichloropropane
 Concen: 104.412 ug/l m
 RT: 11.29 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: VX013089.D
 Acq: 16 Oct 2019 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	246054		
77	48.4	0.0	87.8	





#73

Bromobenzene

Concen: 99.468 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX013089.D

Acq: 16 Oct 2019 11:43

Instrument :

MSVOA_X

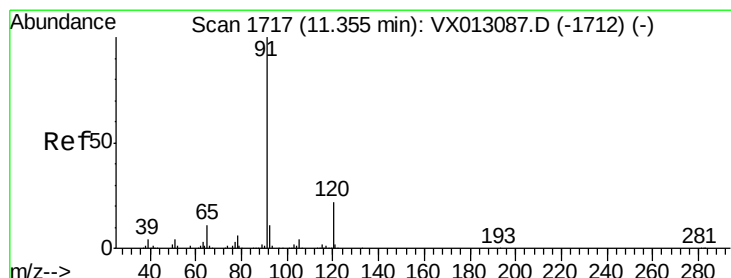
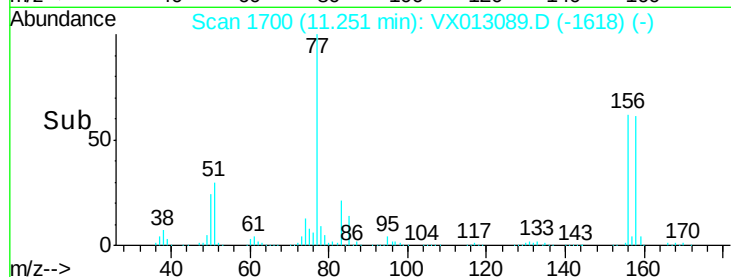
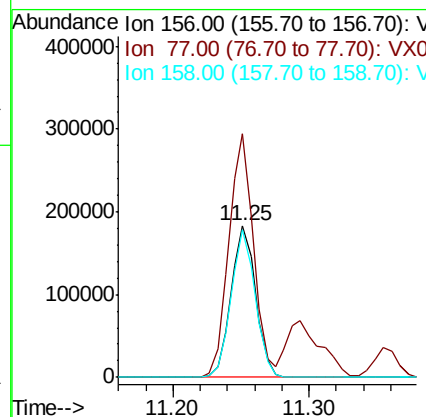
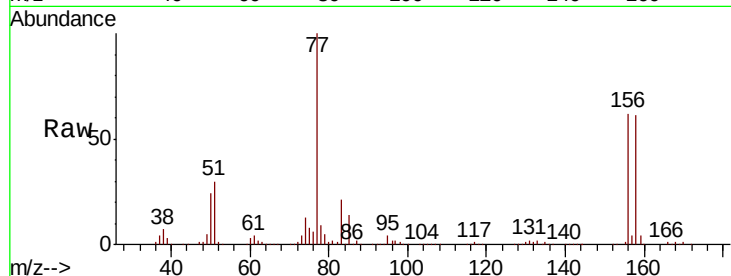
ClientSampleId :

VSTDIC100

Tot Ion:	156	Resp:	229422
Ion Ratio	Lower	Upper	
156	100		
77	161.1	0.0	344.0
158	95.3	0.0	195.6

Manual Integrations
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#74

n-propylbenzene

Concen: 109.782 ug/l

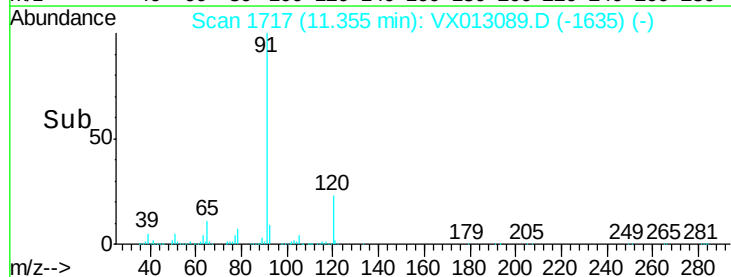
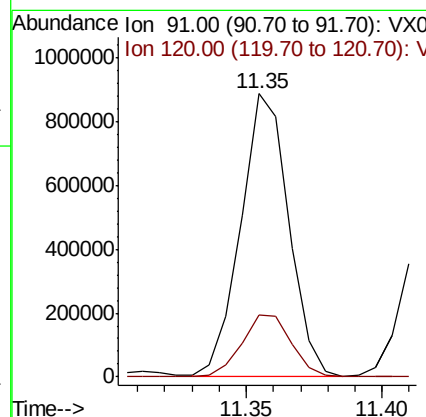
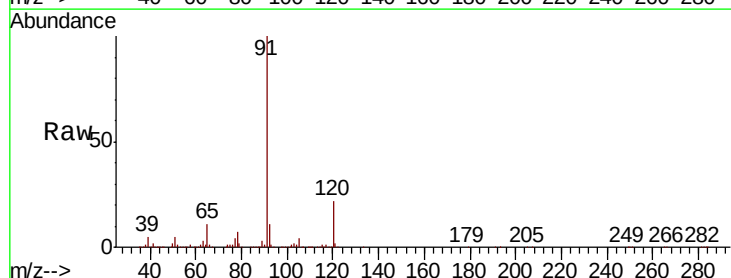
RT: 11.35 min Scan# 1717

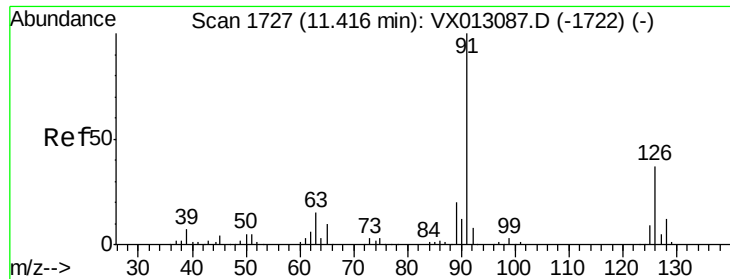
Delta R.T. -0.00 min

Lab File: VX013089.D

Acq: 16 Oct 2019 11:43

Tgt Ion:	91	Resp:	1085258
Ion Ratio	Lower	Upper	
91	100		
120	22.7	0.0	45.0





#75

2-Chlorotoluene

Concen: 111.831 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX013089.D

Acq: 16 Oct 2019 11:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 658980

Ion Ratio Lower Upper

91 100

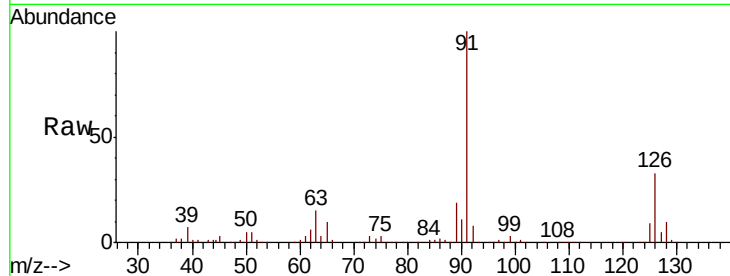
126 33.0 0.0 66.0

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V

1000000

800000

600000

400000

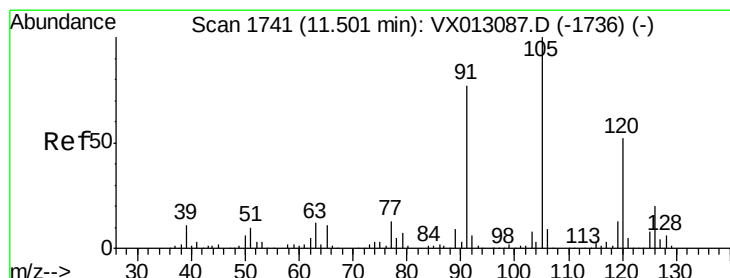
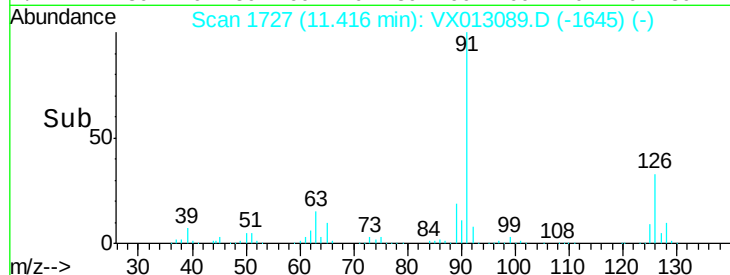
200000

0

11.42

11.45

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 110.442 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX013089.D

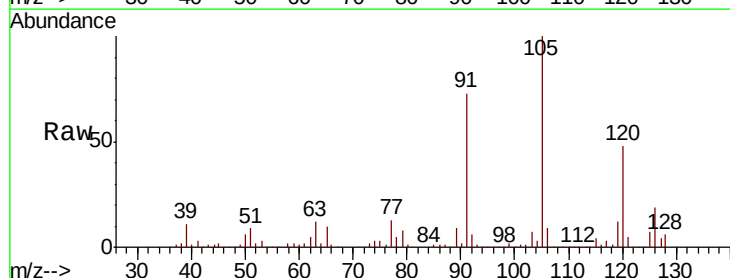
Acq: 16 Oct 2019 11:43

Tgt Ion:105 Resp: 819018

Ion Ratio Lower Upper

105 100

120 48.7 0.0 96.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

800000

600000

400000

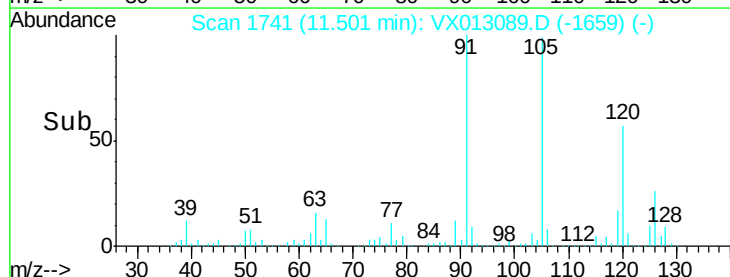
200000

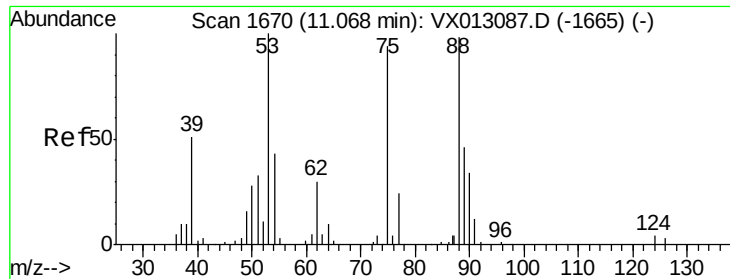
0

11.50

11.55

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 139.782 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VX013089.D

Acq: 16 Oct 2019 11:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 113390

Ion Ratio Lower Upper

75 100

53 95.4 53.1 159.4

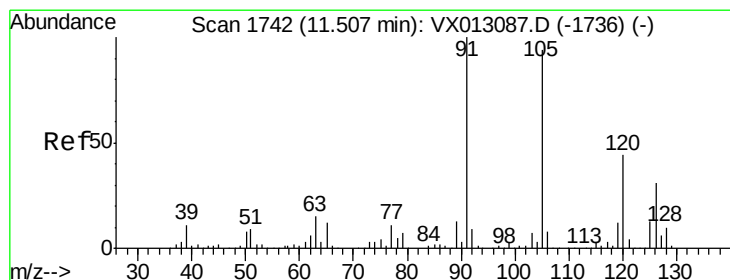
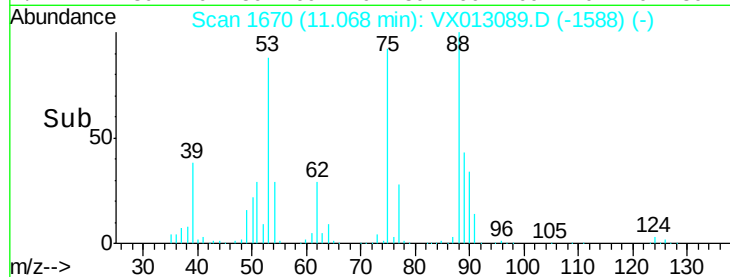
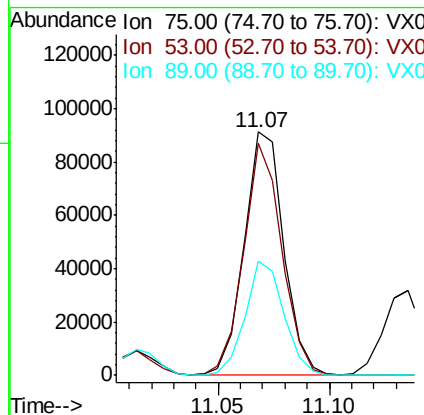
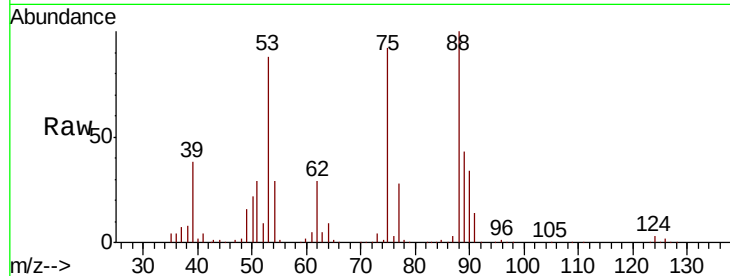
89 46.7 24.6 73.8

Manual Integrations

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#78

4-Chlorotoluene

Concen: 112.375 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX013089.D

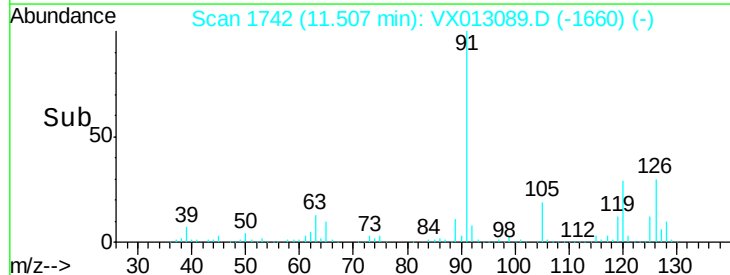
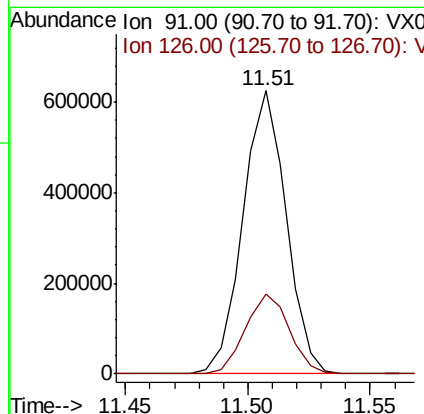
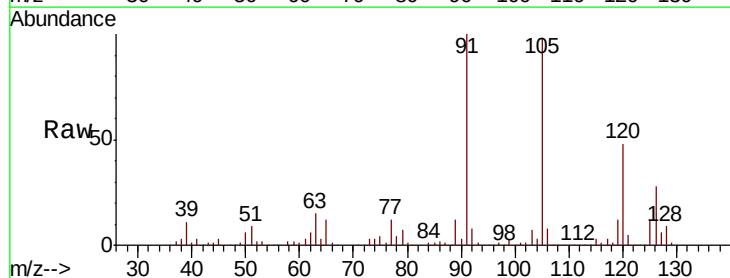
Acq: 16 Oct 2019 11:43

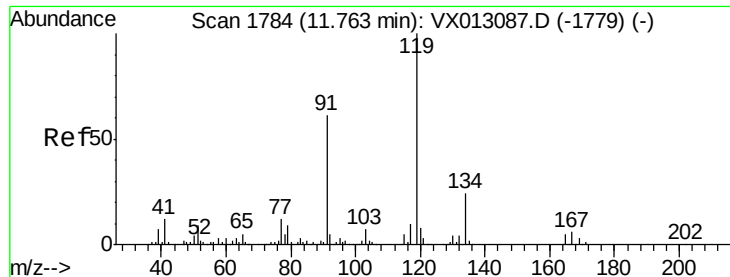
Tgt Ion: 91 Resp: 763054

Ion Ratio Lower Upper

91 100

126 28.9 0.0 57.0





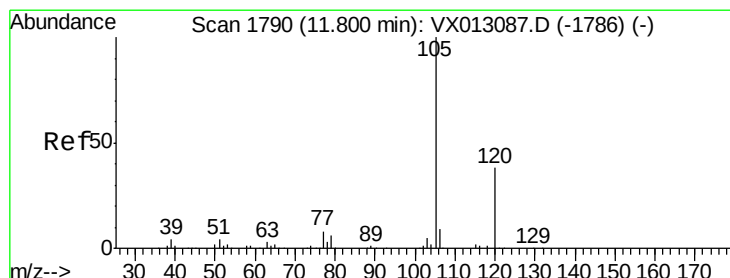
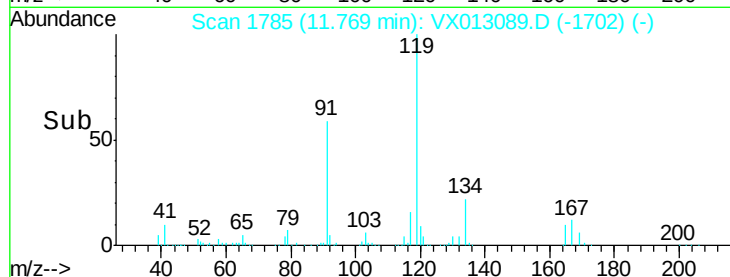
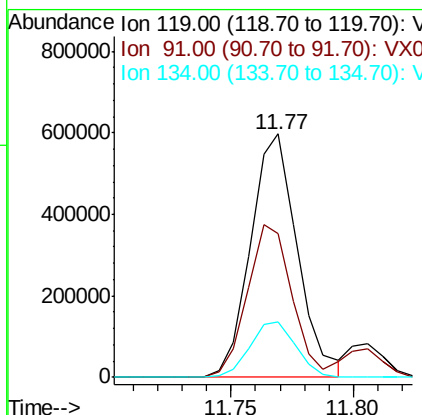
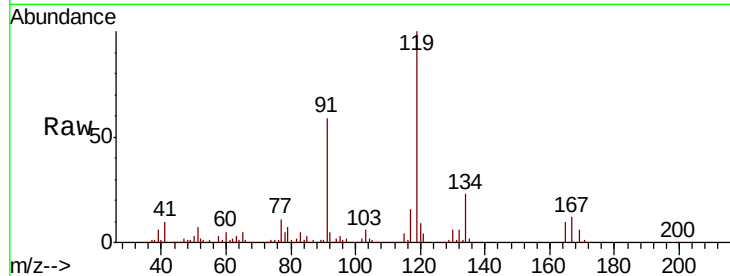
#79
tert-butylbenzene
Concen: 110.381 ug/l
RT: 11.77 min Scan# 1785
Delta R.T. 0.01 min
Lab File: VX013089.D
Acq: 16 Oct 2019 11:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
119	100	791754		
91	59.7	0.0	122.2	
134	22.5	0.0	46.6	

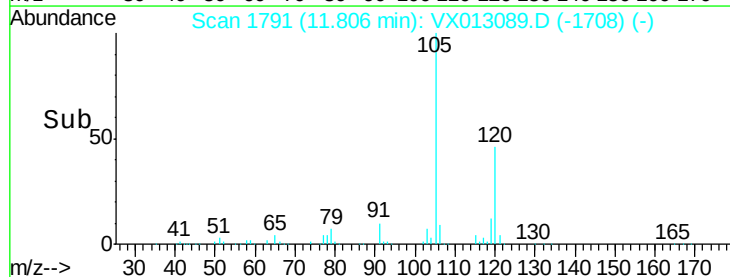
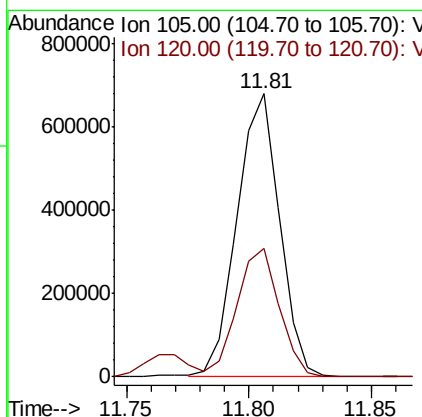
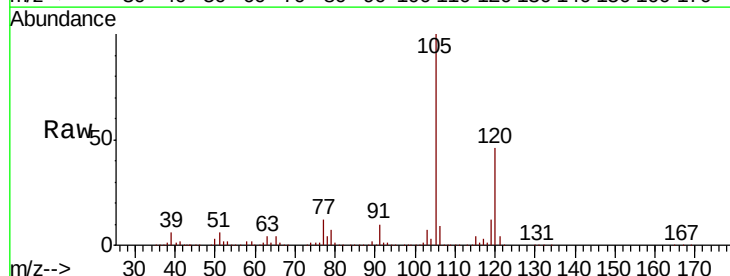
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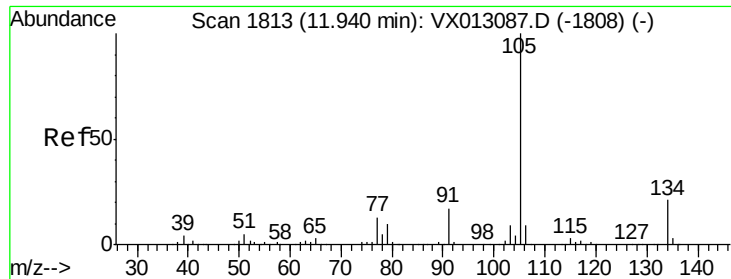
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 110.458 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. 0.01 min
Lab File: VX013089.D
Acq: 16 Oct 2019 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	825950		
120	44.9	0.0	85.8	





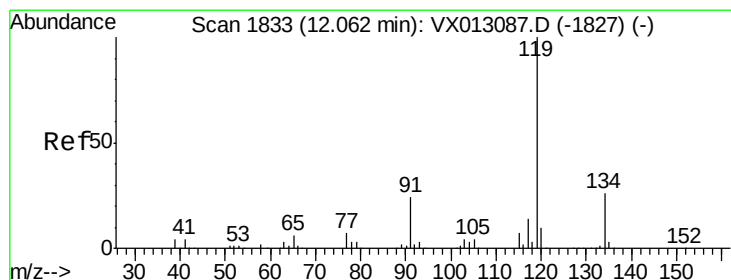
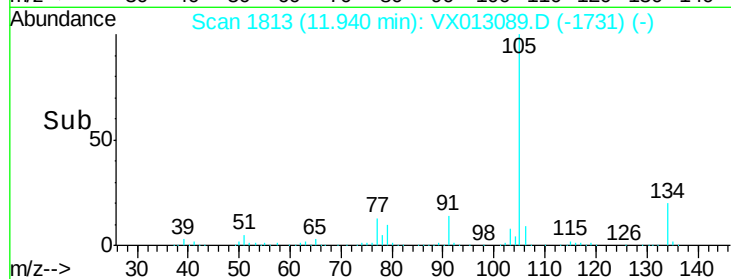
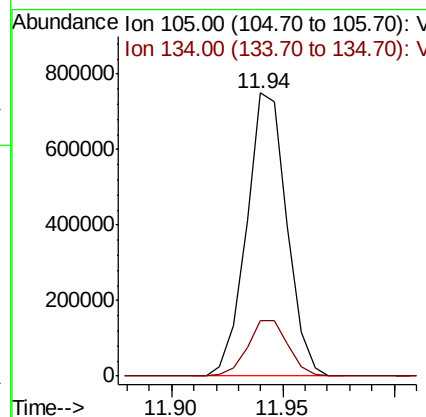
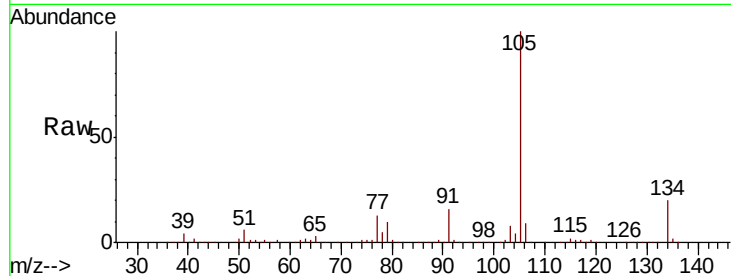
#81
 sec-Butylbenzene
 Concen: 111.841 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VX013089.D
 Acq: 16 Oct 2019 11:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.8	0.0	39.6

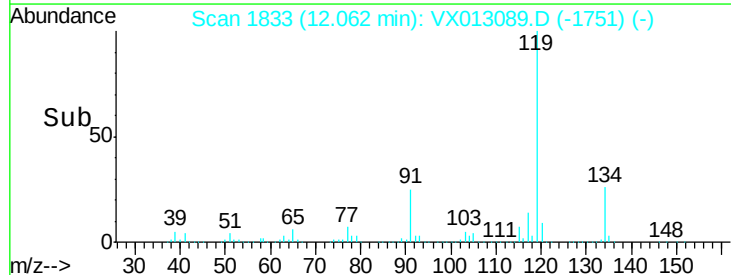
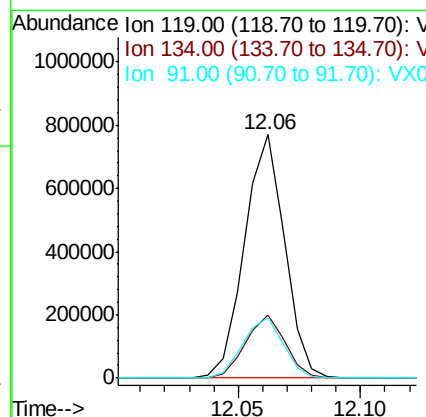
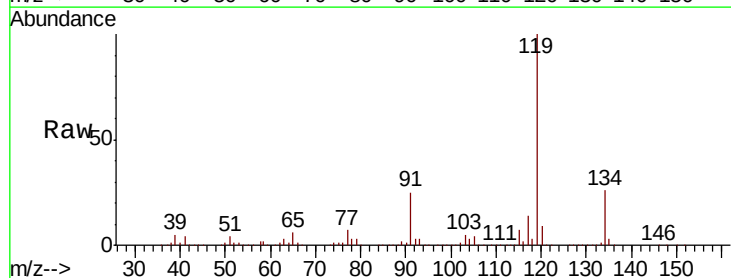
Manual Integrations
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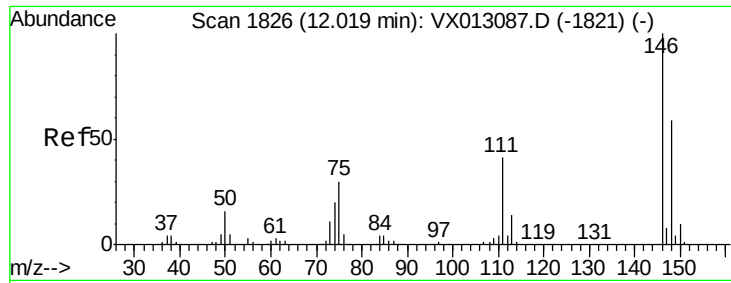
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#82
 p-Isopropyltoluene
 Concen: 112.558 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: VX013089.D
 Acq: 16 Oct 2019 11:43

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.7	0.0	52.0
91	25.1	0.0	50.4





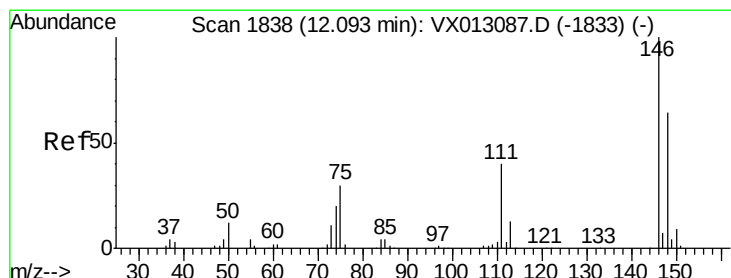
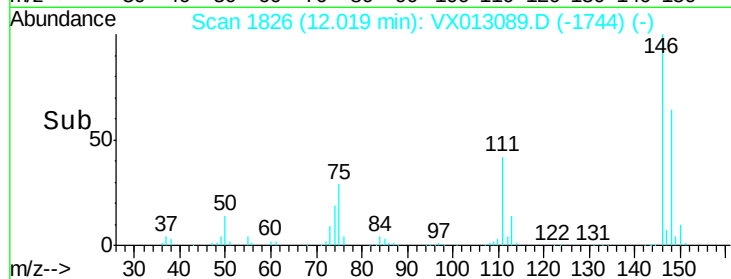
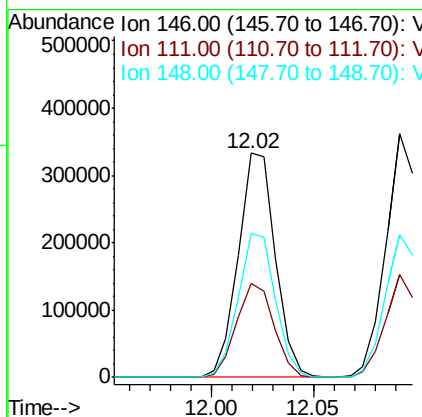
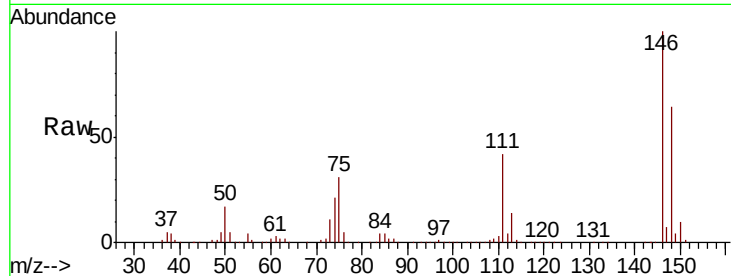
#83
 1,3-Dichlorobenzene
 Concen: 102.790 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX013089.D
 Acq: 16 Oct 2019 11:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.3	63.9
148	64.2	30.4	91.2

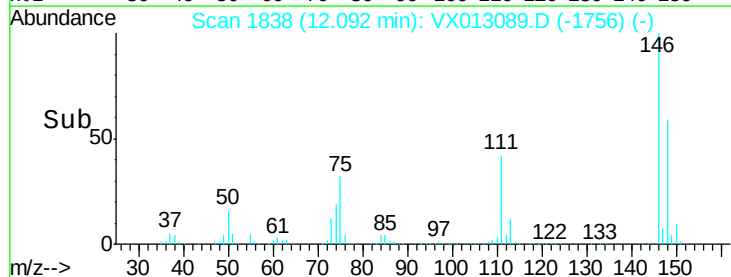
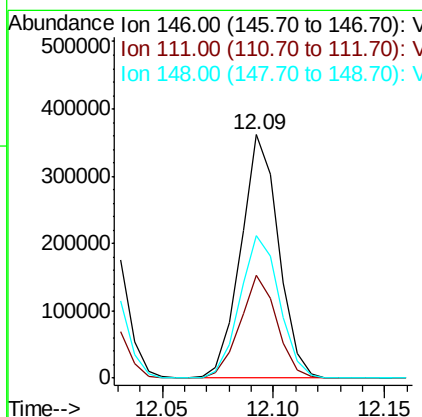
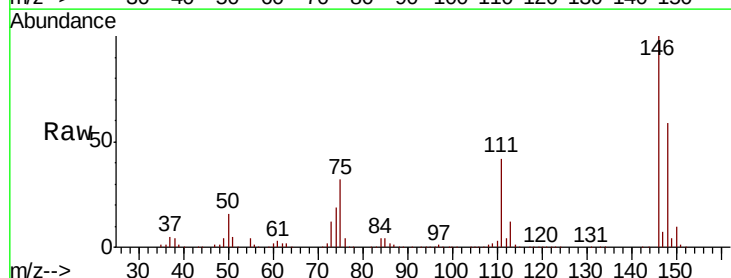
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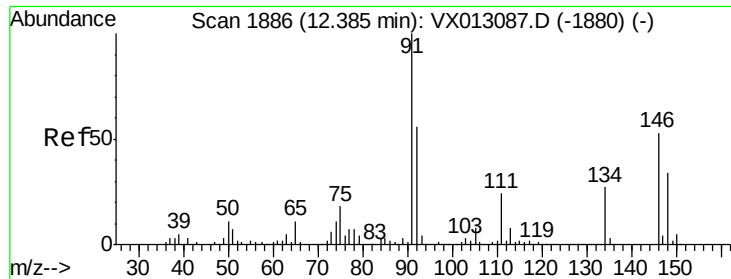
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#84
 1,4-Dichlorobenzene
 Concen: 104.767 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX013089.D
 Acq: 16 Oct 2019 11:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.0	59.9
148	61.5	31.9	95.7





#85

n-Butylbenzene

Concen: 111.091 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX013089.D

Acq: 16 Oct 2019 11:43

Instrument :

MSVOA_X

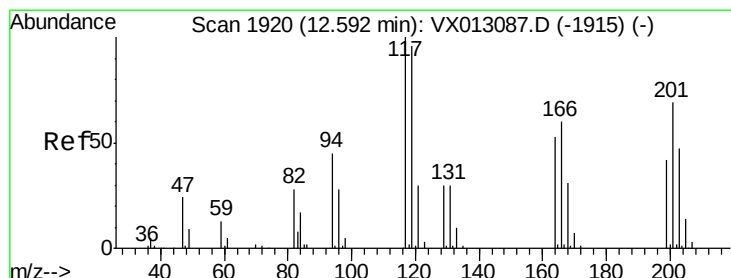
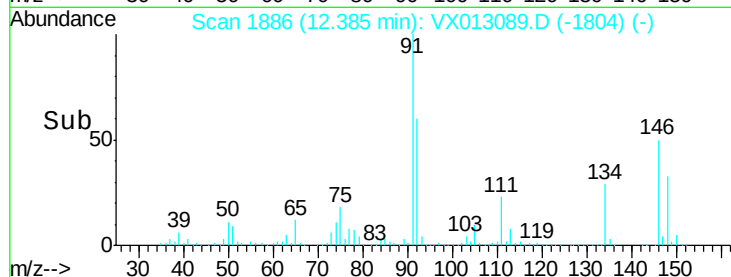
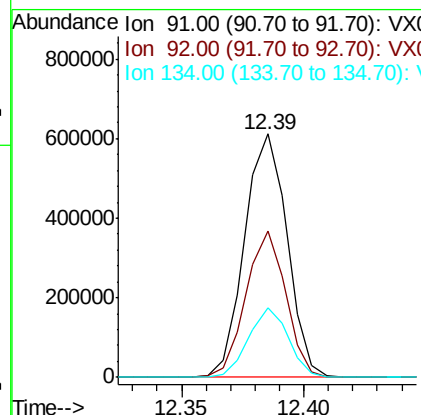
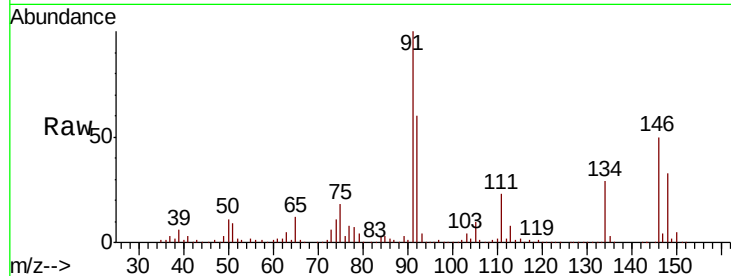
ClientSampleId :

VSTDIC100

Tot Ion:	91	Resp:	739422
Ion Ratio	Lower	Upper	
91	100		
92	56.4	0.0	109.4
134	27.0	0.0	51.6

Manual Integrations
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#86

Hexachloroethane

Concen: 122.977 ug/l

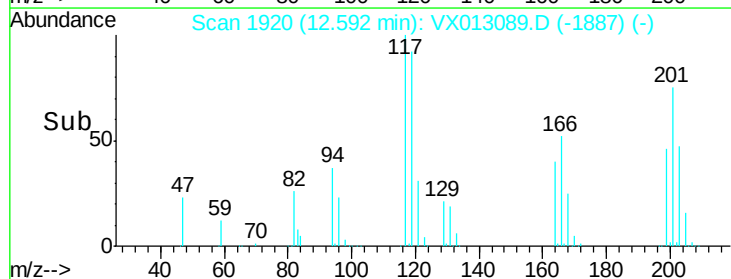
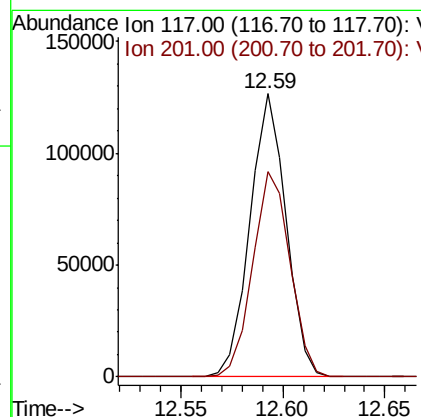
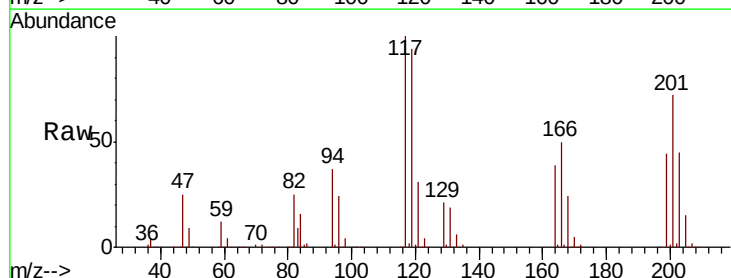
RT: 12.59 min Scan# 1920

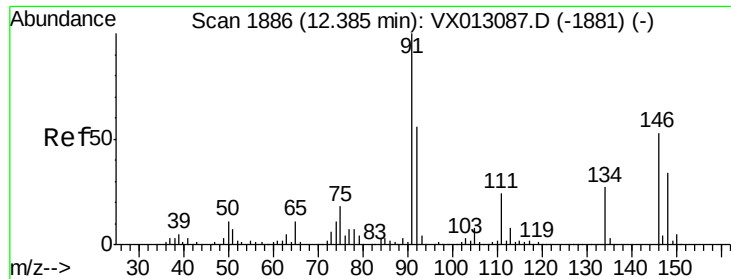
Delta R.T. -0.00 min

Lab File: VX013089.D

Acq: 16 Oct 2019 11:43

Tgt Ion:	117	Resp:	156348
Ion Ratio	Lower	Upper	
117	100		
201	74.9	34.2	102.5





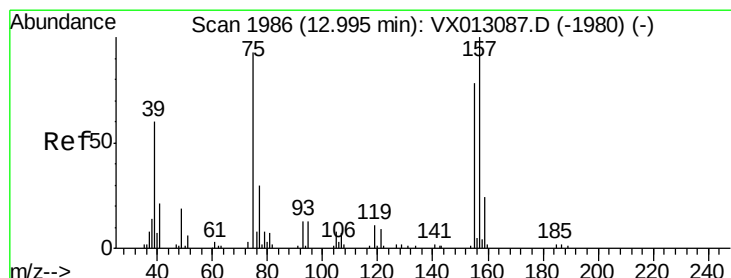
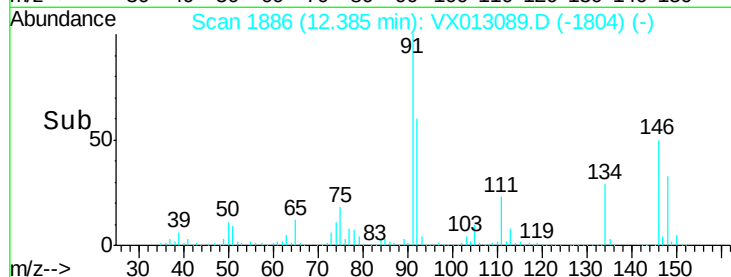
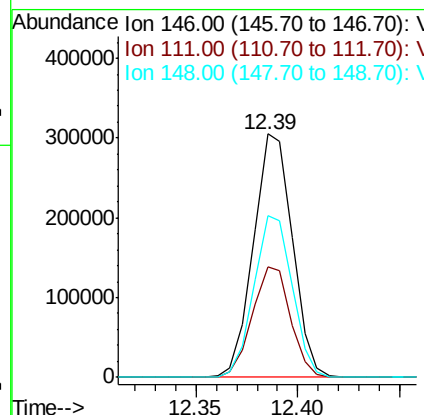
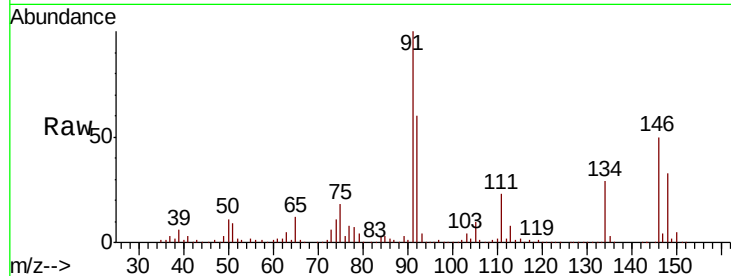
#87
 1,2-Dichlorobenzene
 Concen: 101.626 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX013089.D
 Acq: 16 Oct 2019 11:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.7	22.3	66.9
148	65.7	32.7	98.1

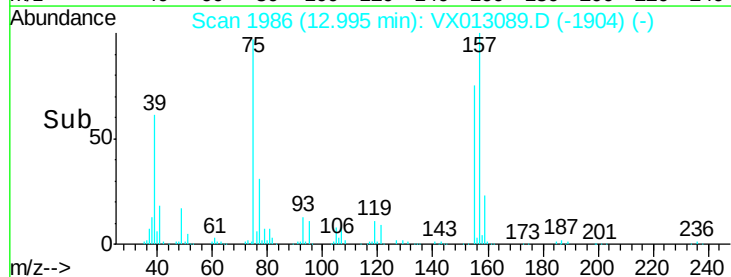
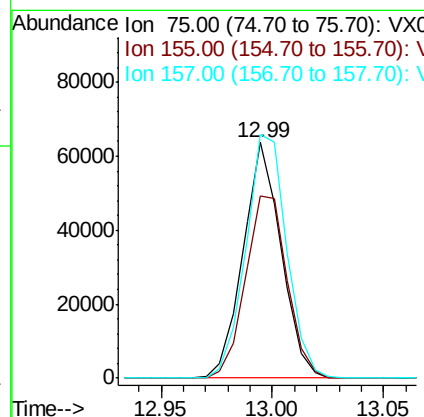
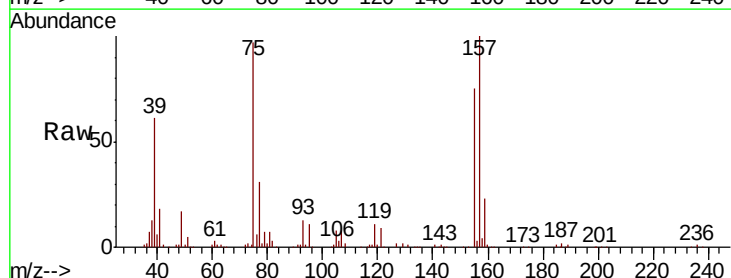
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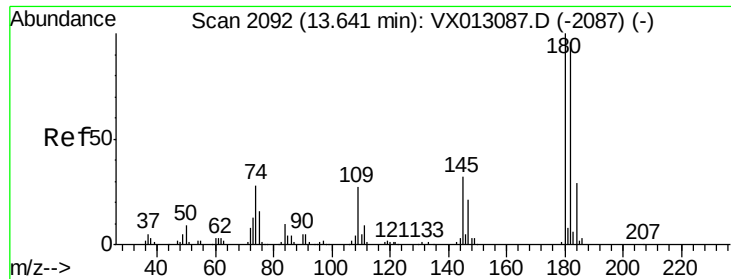
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 120.478 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX013089.D
 Acq: 16 Oct 2019 11:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.4	68.4	102.6
157	111.9	85.6	128.4





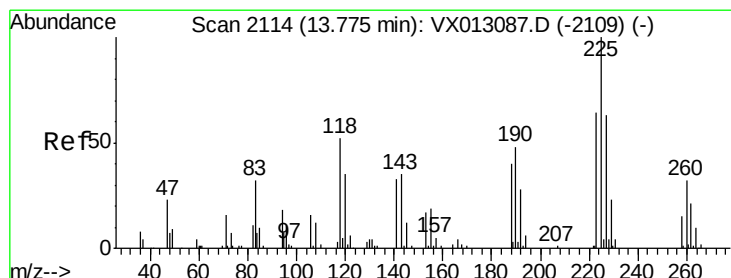
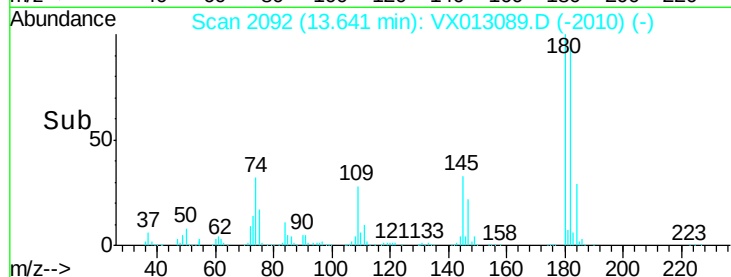
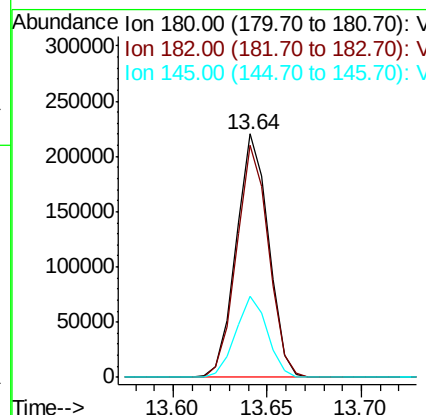
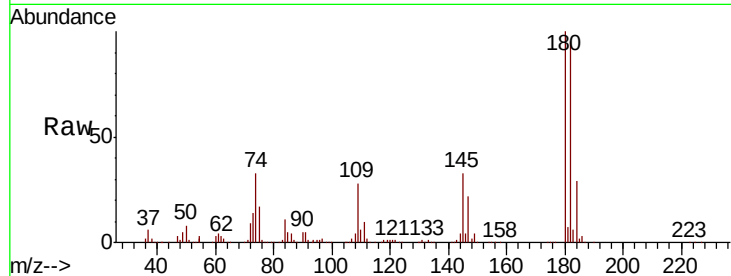
#89
 1,2,4-Trichlorobenzene
 Concen: 96.586 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX013089.D
 Acq: 16 Oct 2019 11:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	74.8	112.2
145	32.9	26.2	39.2

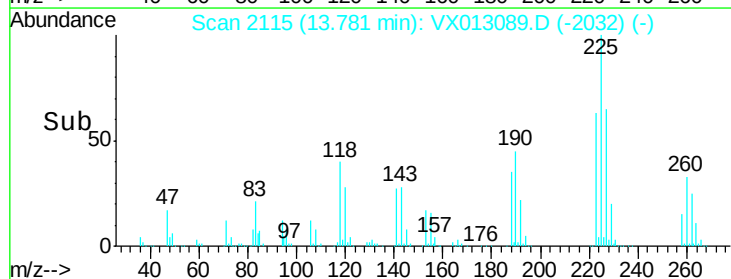
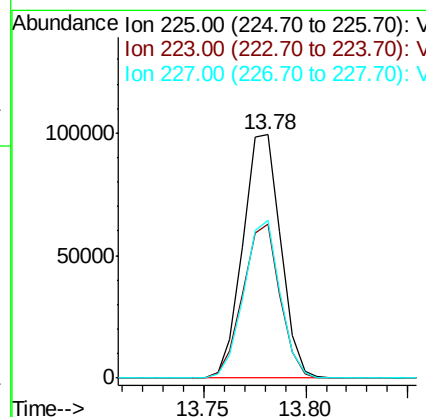
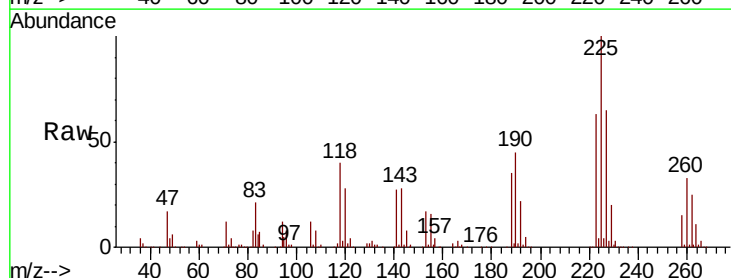
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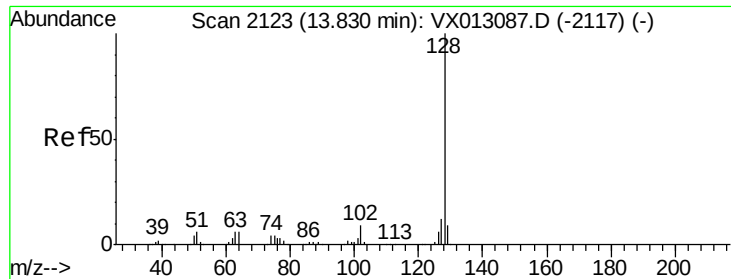
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#90
 Hexachlorobutadiene
 Concen: 98.379 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. 0.01 min
 Lab File: VX013089.D
 Acq: 16 Oct 2019 11:43

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	0.0	132.2
227	62.0	0.0	124.2





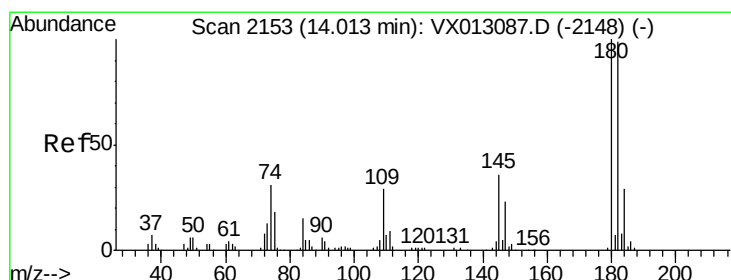
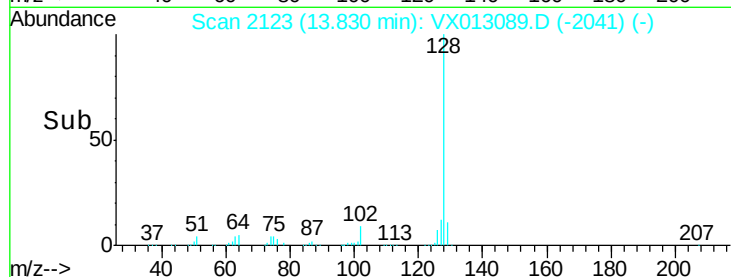
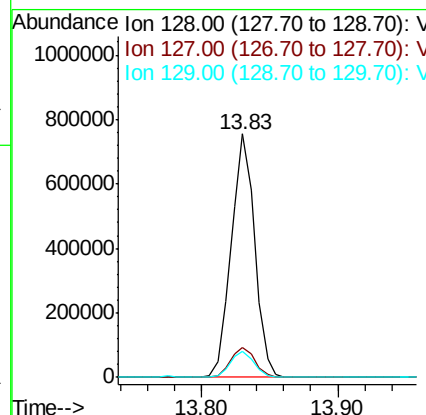
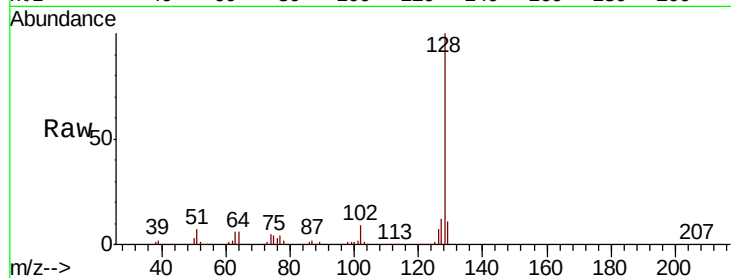
#91
Naphthalene
Concen: 107.028 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX013089.D
Acq: 16 Oct 2019 11:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.0	15.0
129	11.0	8.0	12.0

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#92
1,2,3-Trichlorobenzene
Concen: 95.348 ug/l
RT: 14.02 min Scan# 2154
Delta R.T. 0.01 min
Lab File: VX013089.D
Acq: 16 Oct 2019 11:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	0.0	195.2
145	35.2	0.0	69.8

