

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101619\
 Data File : VX013087.D
 Acq On : 16 Oct 2019 10:57
 Operator : JC/SP
 Sample : VSTDICCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Manual Integrations
 APPROVED

MMDadoda
 10/18/2019 4:51:43 PM

Quant Time: Oct 17 02:30:27 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	30587	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	170043	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	150923	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	70038	32.84	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	109.47%
60) 4-Bromofluorobenzene	11.14	95	78773	31.13	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	103.77%
63) Toluene-d8	8.71	98	210871	31.50	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	105.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	40145	20.063	ug/l 100
3) Chloromethane	1.32	50	38514	21.495	ug/l 100
4) Vinyl Chloride	1.40	62	37415	20.244	ug/l 100
5) Bromomethane	1.63	94	21952	21.870	ug/l 100
6) Chloroethane	1.72	64	25240	22.443	ug/l 100
7) Trichlorofluoromethane	1.92	101	56529	18.710	ug/l 100
8) Diethyl Ether	2.18	74	21402	20.972	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	34871	20.410	ug/l 100
10) 1,1-Dichloroethene	2.36	96	34763	20.300	ug/l 100
11) Methyl Iodide	2.50	142	38989	17.199	ug/l 100
12) Methyl Acetate	2.76	43	48160	20.120	ug/l 100
13) Acrolein	2.28	56	34374	115.502	ug/l 100
14) Acrylonitrile	3.13	53	101423	106.537	ug/l 100
15) Acetone	2.43	58	41898	143.650	ug/l 100
16) Carbon Disulfide	2.56	76	91771	20.564	ug/l 100
17) Allyl chloride	2.72	41	58655	22.714	ug/l 100
18) Methylene Chloride	2.84	84	40023	20.809	ug/l 100
19) trans-1,2-Dichloroethene	3.16	96	37618	20.690	ug/l 100
20) Diisopropyl ether	3.84	45	117157	21.829	ug/l 100
21) 1,1-Dichloroethane	3.69	63	66440	21.573	ug/l 100
22) cis-1,2-Dichloroethene	4.58	96	42345	20.256	ug/l 100
23) tert-Butyl Alcohol	3.03	59	50706	102.238	ug/l 100
24) Methyl tert-Butyl Ether	3.19	73	120334	21.449	ug/l 100
25) Chloroform	5.20	83	69064	20.674	ug/l 100
26) Cyclohexane	5.57	56	59839	21.352	ug/l # 100
29) 1,1-Dichloropropene	5.79	75	50004	20.675	ug/l 100
30) 2-Butanone	4.65	43	155673	115.661	ug/l 100
31) 2,2-Dichloropropane	4.58	77	58477	25.700	ug/l 100
32) 1,1,1-Trichloroethane	5.48	97	58779	20.126	ug/l 100
33) Carbon Tetrachloride	5.77	117	50332	19.775	ug/l 100
34) Benzene	6.14	78	153404	21.055	ug/l 100
35) Methacrylonitrile	5.03	41	29247	21.185	ug/l 100
36) 1,2-Dichloroethane	6.18	62	55110	21.007	ug/l 100
37) Trichloroethene	7.21	130	39972	19.101	ug/l 100
38) Methylcyclohexane	7.46	83	60579	19.995	ug/l 100
39) 1,2-Dichloropropane	7.51	63	38737	21.186	ug/l 100
40) Dibromomethane	7.65	93	25318	19.257	ug/l 100

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	50417	20.494	ug/l	100
42) Vinyl Acetate	3.80	43	494548	111.888	ug/l	100
43) Ethyl Acetate	4.82	43	51939	20.620	ug/l	100
44) Isopropyl Acetate	6.44	43	88410	21.348	ug/l	100
45) 1,4-Dioxane	7.73	88	20905	400.509	ug/l	100
46) Methyl methacrylate	7.76	41	41462	20.751	ug/l	100
47) n-amyl Acetate	10.89	43	69906	19.245	ug/l	100
48) t-1,3-Dichloropropene	9.04	75	53654	20.569	ug/l	100
49) cis-1,3-Dichloropropene	8.43	75	61146	21.432	ug/l	100
50) 1,1,2-Trichloroethane	9.21	97	38463	19.852	ug/l	100
51) Ethyl methacrylate	9.17	69	58876	19.553	ug/l	100
52) 1,3-Dichloropropane	9.37	76	65979	20.933	ug/l	100
53) Dibromochloromethane	9.57	129	38659	18.516	ug/l	100
54) 1,2-Dibromoethane	9.67	107	41550	19.700	ug/l	100
55) 2-Chloroethyl vinyl ether	8.31	63	135894	105.406	ug/l	100
56) Bromoform	10.86	173	26145	16.970	ug/l	100
58) 4-Methyl-2-Pentanone	8.64	43	274721	106.100	ug/l	100
59) 2-Hexanone	9.48	43	216740	108.762	ug/l	100
61) Tetrachloroethene	9.33	164	40600	20.393	ug/l	100
62) Toluene	8.78	91	163900	20.360	ug/l	100
64) Chlorobenzene	10.14	112	103203	20.031	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.21	131	37955	20.143	ug/l	100
66) Ethyl Benzene	10.25	91	182282	20.122	ug/l	100
67) m/p-Xylenes	10.36	106	138828	40.238	ug/l	100
68) o-Xylene	10.70	106	67445	19.922	ug/l	100
69) Styrene	10.71	104	113980	19.954	ug/l	100
70) Isopropylbenzene	11.01	105	177934	19.729	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.26	83	58686	20.106	ug/l	100
72) 1,2,3-Trichloropropane	11.29	75	46980m	19.401	ug/l	100
73) Bromobenzene	11.25	156	41749	17.615	ug/l	100
74) n-propylbenzene	11.35	91	200003	19.689	ug/l	100
75) 2-Chlorotoluene	11.42	91	119341	19.710	ug/l	100
76) 1,3,5-Trimethylbenzene	11.50	105	149833	19.663	ug/l	100
77) t-1,4-Dichloro-2-butene	11.07	75	16934	20.316	ug/l	100
78) 4-Chlorotoluene	11.51	91	138060	19.787	ug/l	100
79) tert-butylbenzene	11.76	119	141145	19.150	ug/l	100
80) 1,2,4-Trimethylbenzene	11.80	105	151407	19.705	ug/l	100
81) sec-Butylbenzene	11.94	105	168146	19.356	ug/l	100
82) p-Isopropyltoluene	12.06	119	150265	18.761	ug/l	100
83) 1,3-Dichlorobenzene	12.02	146	77121	18.249	ug/l	100
84) 1,4-Dichlorobenzene	12.09	146	75240	18.003	ug/l	100
85) n-Butylbenzene	12.39	91	127762	18.680	ug/l	100
86) Hexachloroethane	12.59	117	25855	19.791	ug/l	100
87) 1,2-Dichlorobenzene	12.39	146	74941	18.290	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	12.99	75	12678	19.655	ug/l	100
89) 1,2,4-Trichlorobenzene	13.64	180	45720	16.358	ug/l	100
90) Hexachlorobutadiene	13.78	225	21062	15.769	ug/l	100
91) Naphthalene	13.83	128	158065	18.283	ug/l	100
92) 1,2,3-Trichlorobenzene	14.01	180	45781	16.414	ug/l	100

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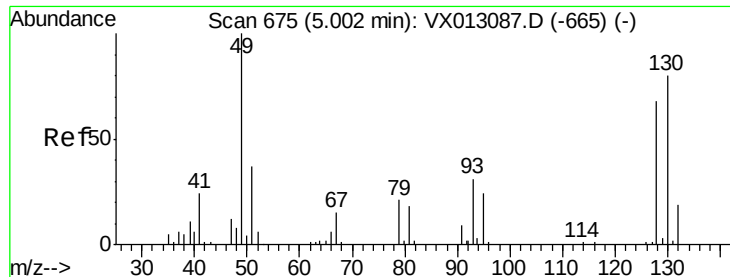
Manual Integrations
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Quant Time: Oct 17 02:30:27 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = 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: VX013087.D

Acq: 16 Oct 2019 10:57

Instrument :

MSVOA_X

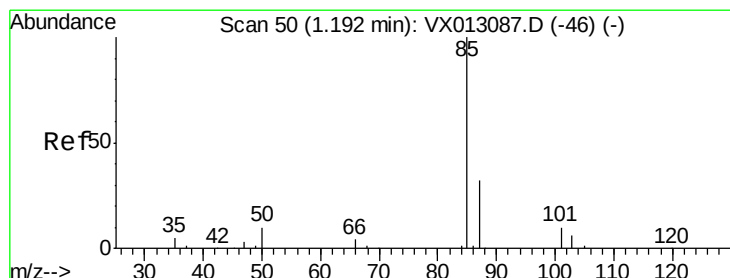
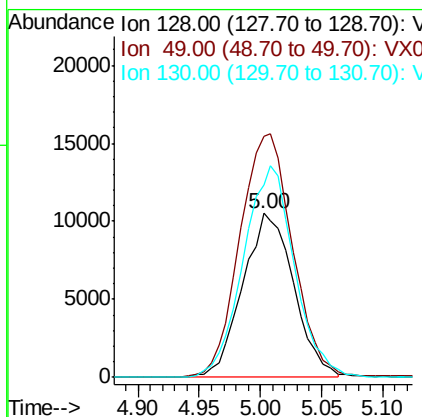
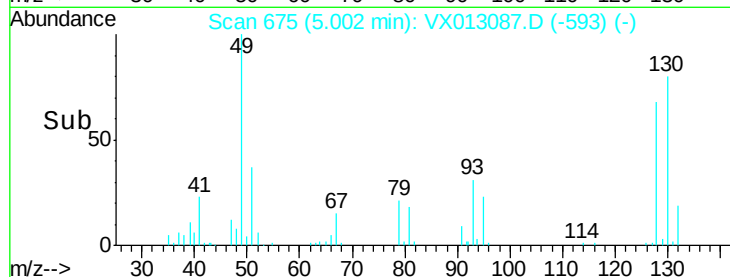
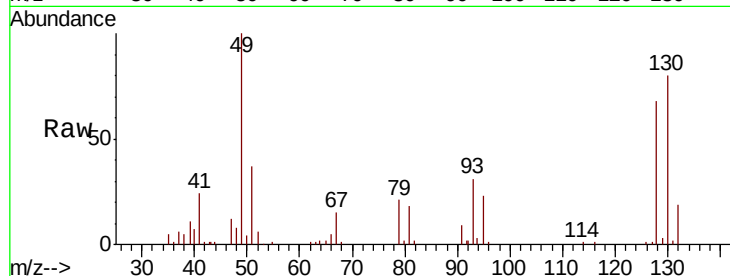
ClientSampleId :

VSTDICCC020

Tot Ion:	128	Resp:	30587
Ion	Ratio	Lower	Upper
128	100		
49	152.9	0.0	382.3
130	128.7	0.0	321.8

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#2

Dichlorodifluoromethane

Concen: 20.063 ug/l

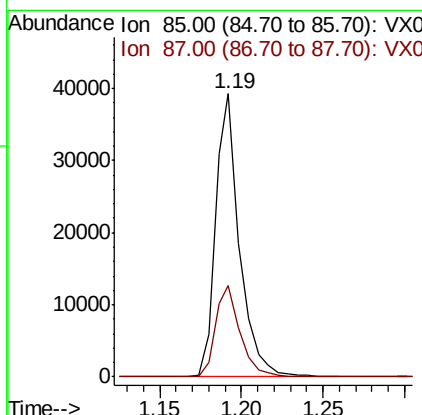
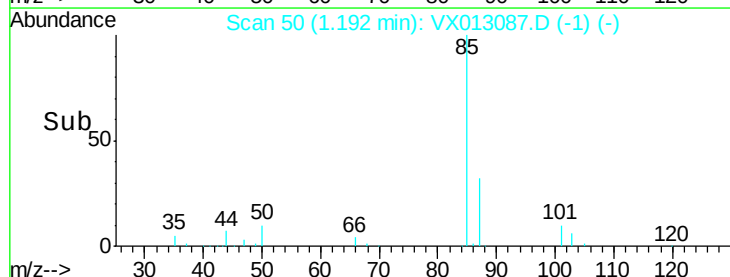
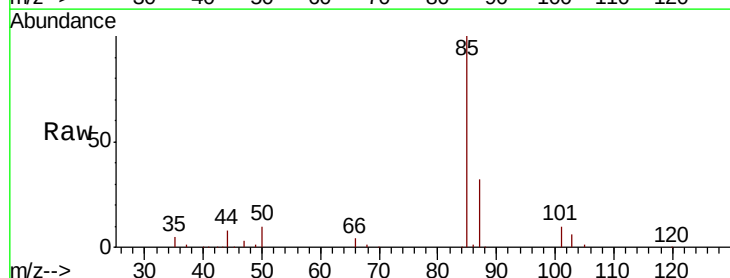
RT: 1.19 min Scan# 50

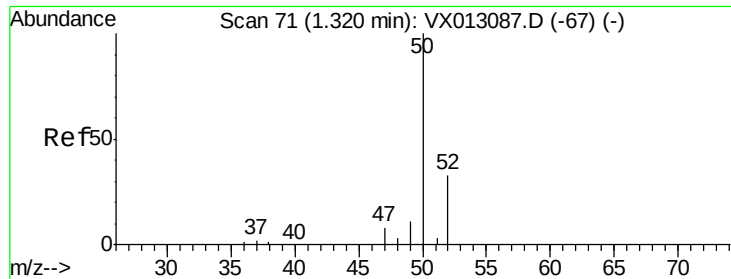
Delta R.T. 0.00 min

Lab File: VX013087.D

Acq: 16 Oct 2019 10:57

Tgt Ion:	85	Resp:	40145
Ion	Ratio	Lower	Upper
85	100		
87	32.3	16.2	48.5





#3

Chloromethane

Concen: 21.495 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX013087.D

Acq: 16 Oct 2019 10:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 50 Resp: 38514

Ion Ratio Lower Upper

50 100

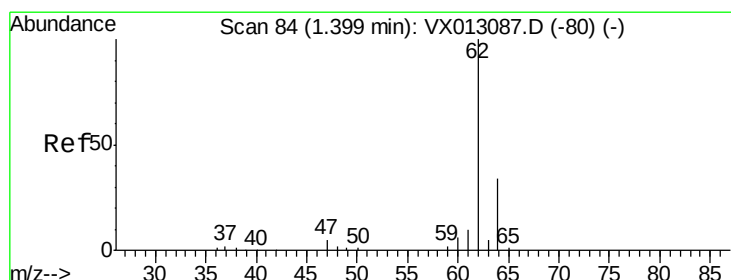
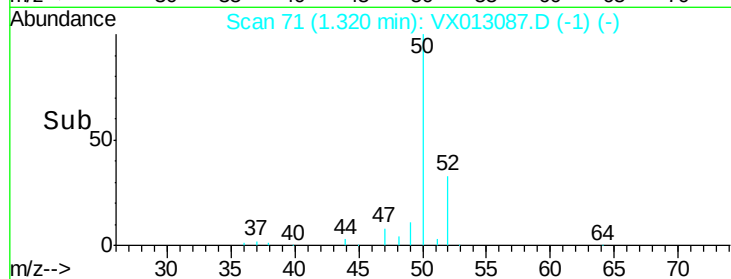
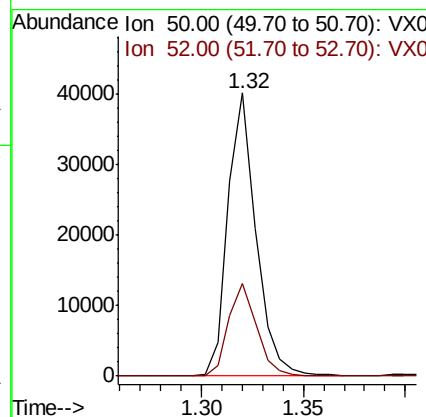
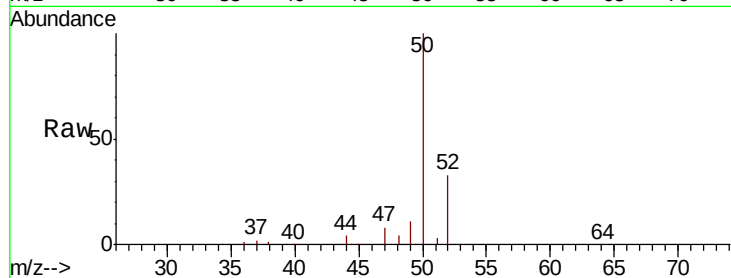
52 32.5 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.244 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX013087.D

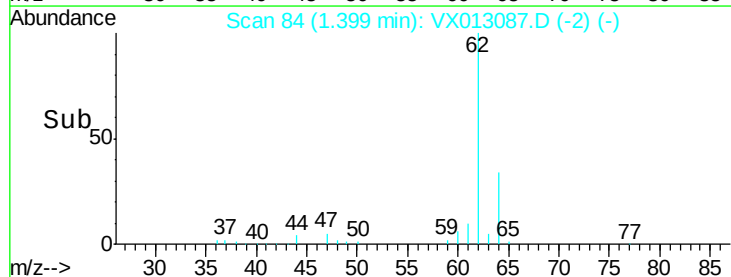
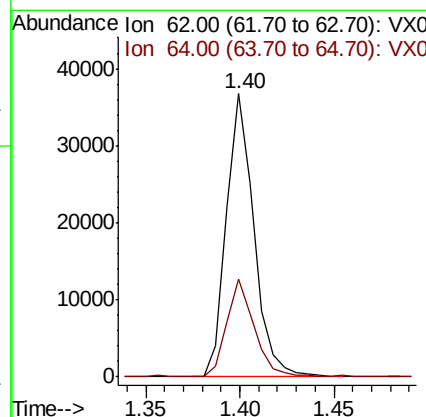
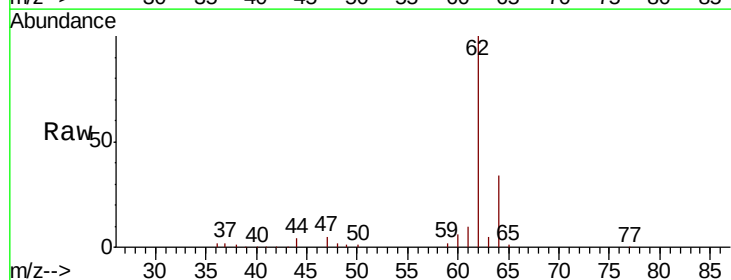
Acq: 16 Oct 2019 10:57

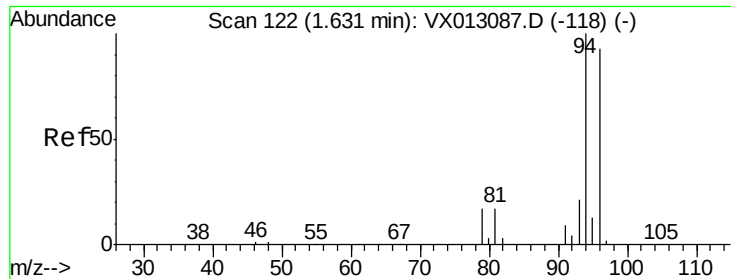
Tgt Ion: 62 Resp: 37415

Ion Ratio Lower Upper

62 100

64 34.2 27.4 41.0





#5

Bromomethane

Concen: 21.870 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.00 min

Lab File: VX013087.D

Acq: 16 Oct 2019 10:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 94 Resp: 21952

Ion Ratio Lower Upper

94 100

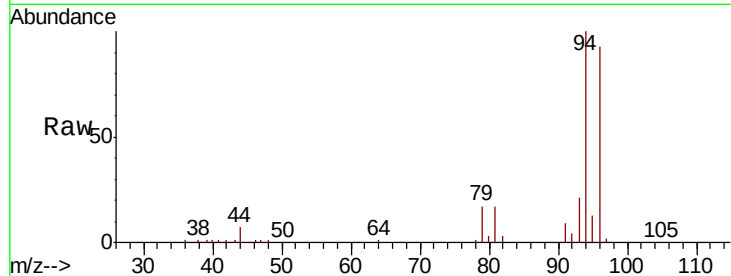
96 92.8 74.2 111.4

Manual Integrations

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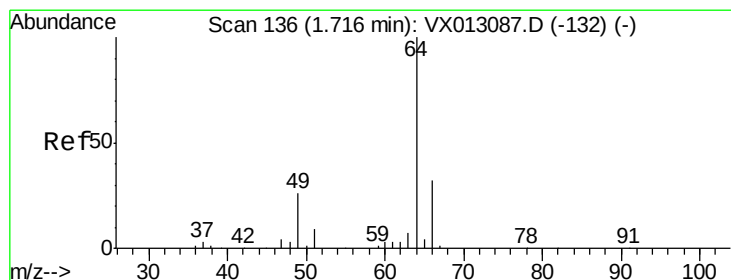
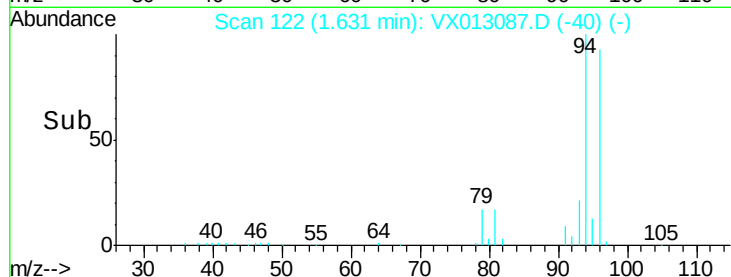
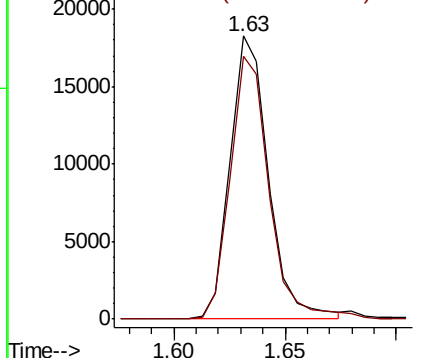
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Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 22.443 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.00 min

Lab File: VX013087.D

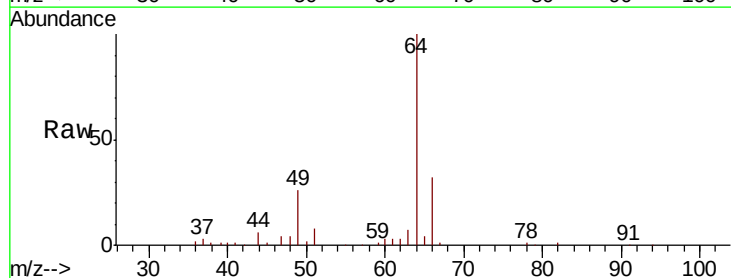
Acq: 16 Oct 2019 10:57

Tgt Ion: 64 Resp: 25240

Ion Ratio Lower Upper

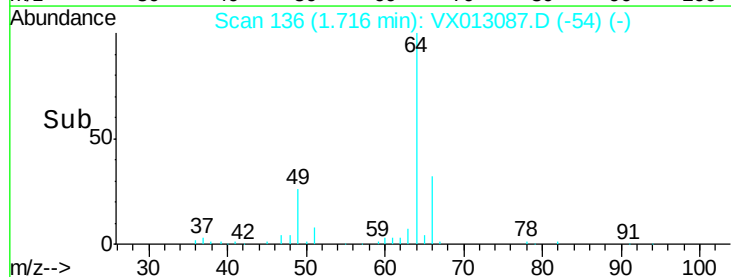
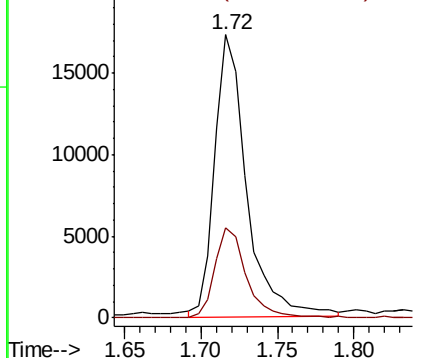
64 100

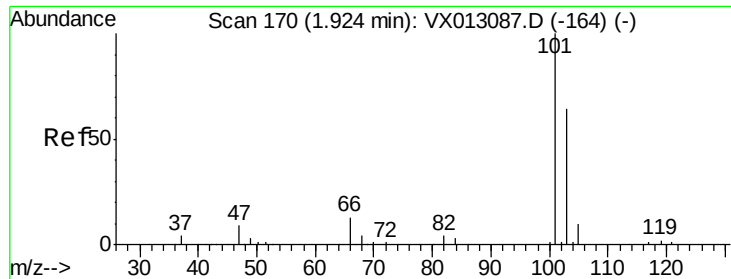
66 32.0 25.6 38.4



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0





#7

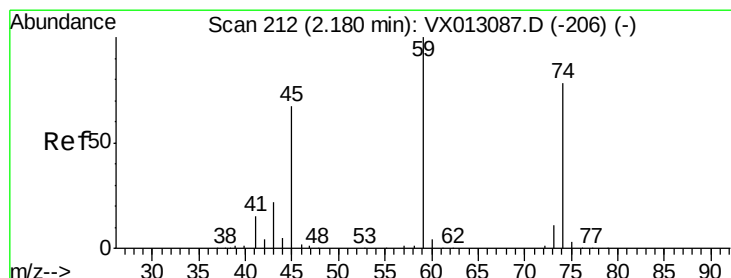
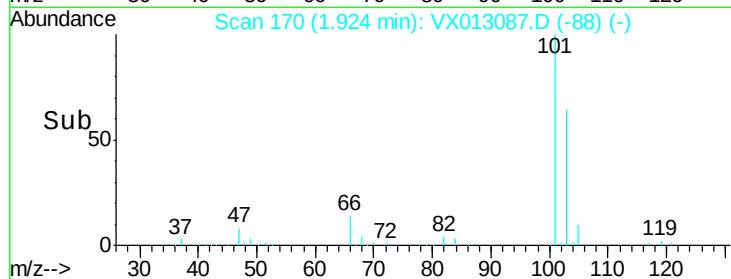
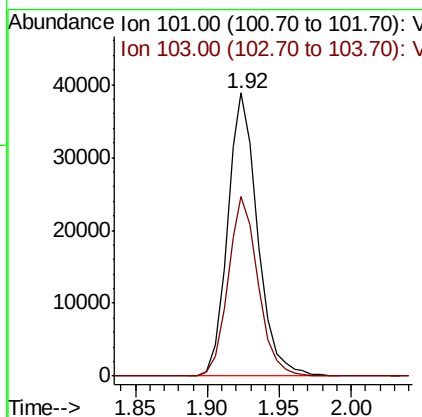
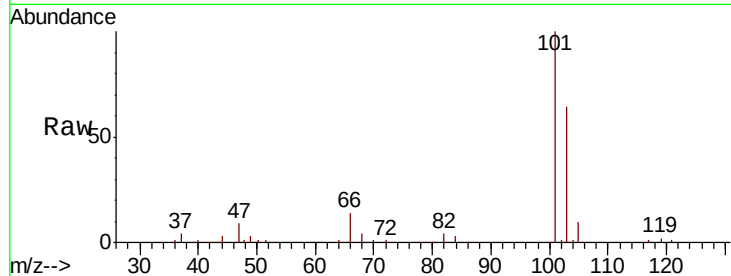
Trichlorofluoromethane
Concen: 18.710 ug/l
RT: 1.92 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX013087.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.6	50.9	76.3

Manual Integrations
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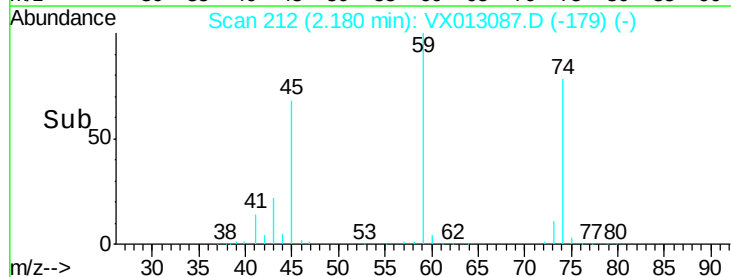
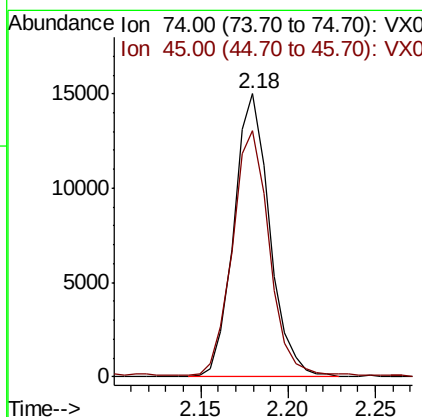
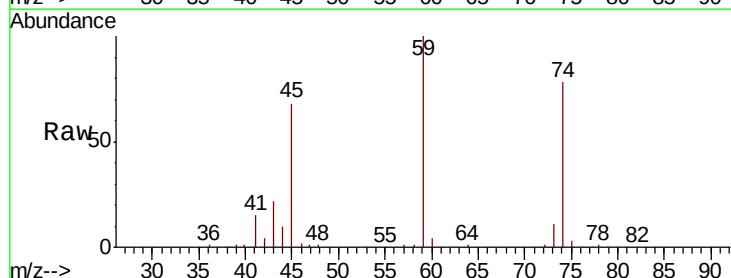
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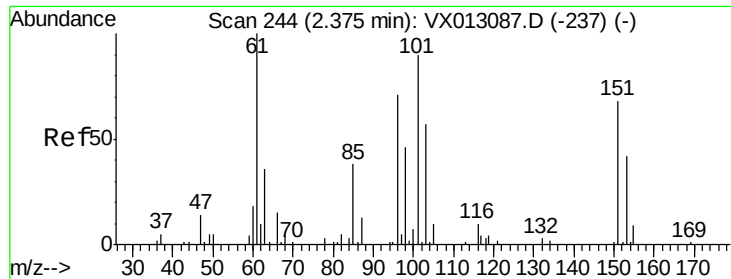


#8

Diethyl Ether
Concen: 20.972 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX013087.D
Acq: 16 Oct 2019 10:57

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.8	18.2	163.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.410 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.00 min

Lab File: VX013087.D

Acq: 16 Oct 2019 10:57

Instrument :

MSVOA_X

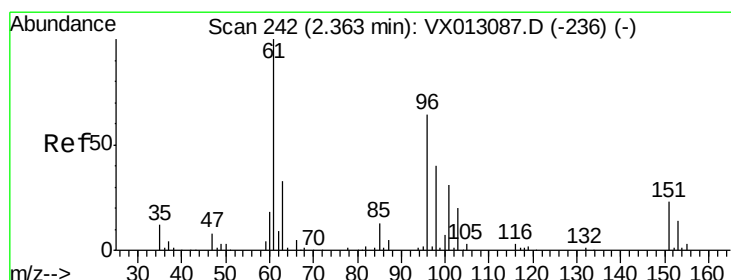
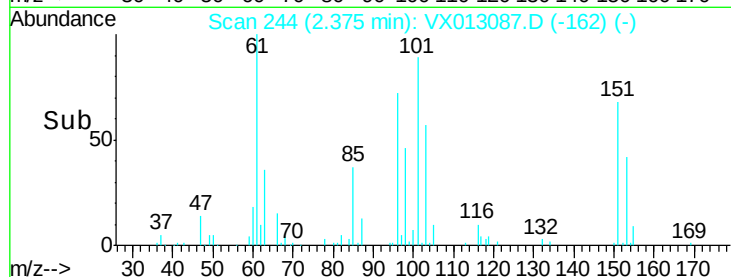
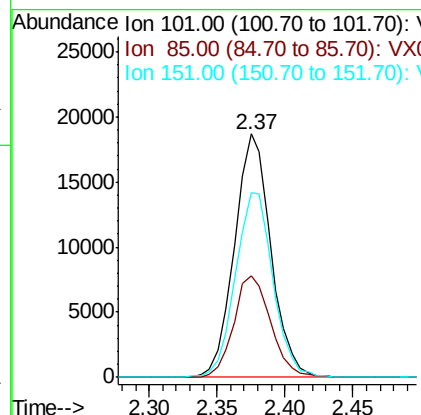
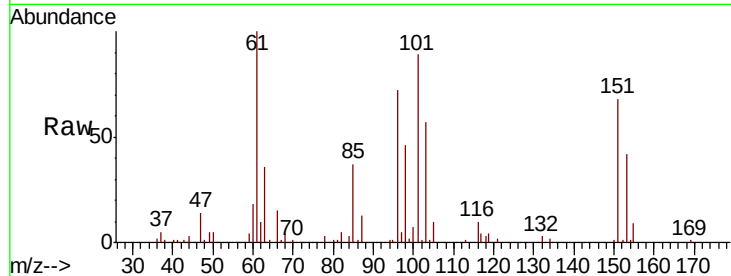
ClientSampleId :

VSTDICCC020

Tot Ion	Ratio	Lower	Upper
101	100		
85	42.6	0.0	85.2
151	78.5	0.0	157.0

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 20.300 ug/l

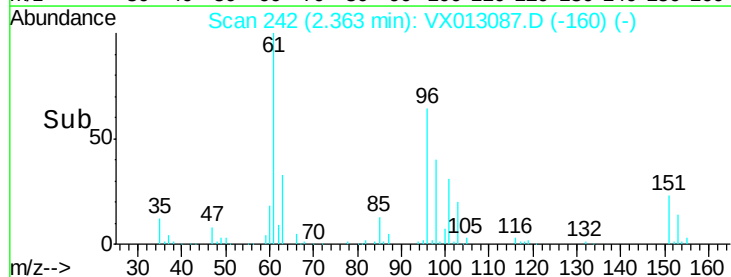
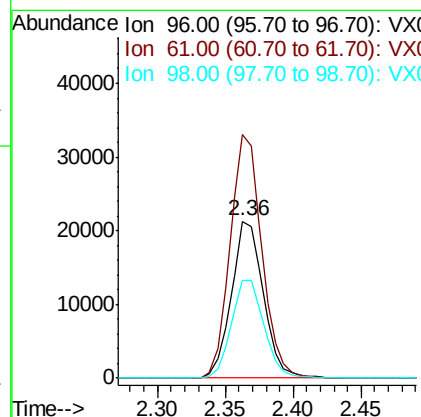
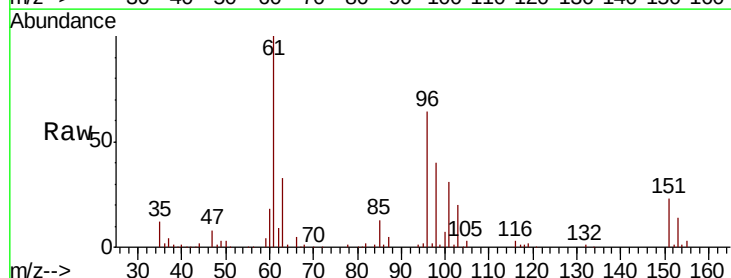
RT: 2.36 min Scan# 242

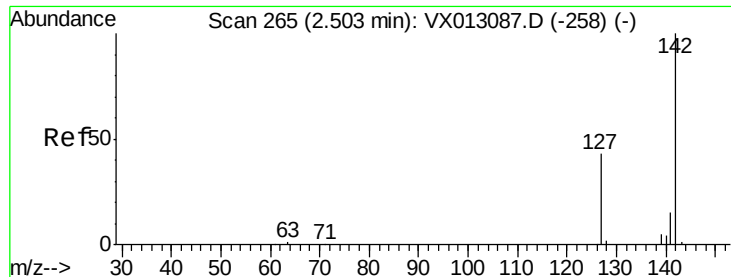
Delta R.T. 0.00 min

Lab File: VX013087.D

Acq: 16 Oct 2019 10:57

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.2	124.2	186.2
98	62.7	50.2	75.2





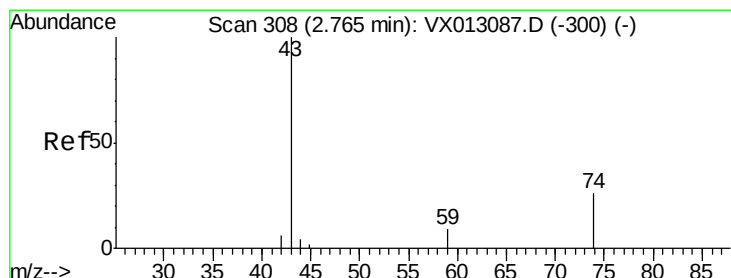
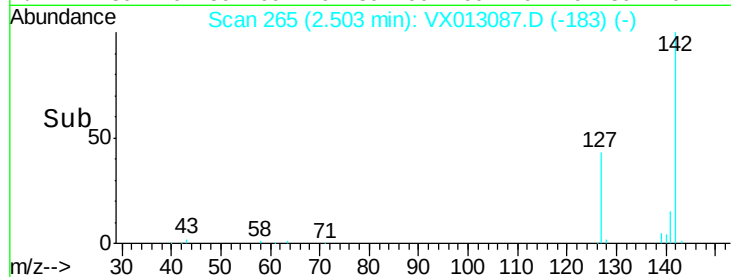
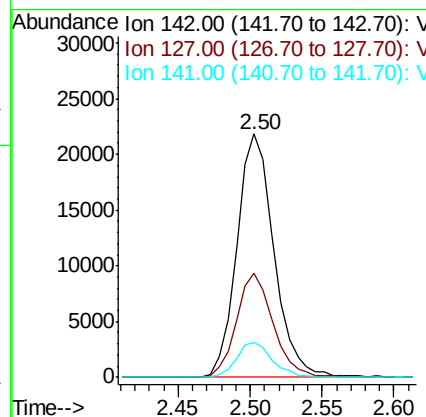
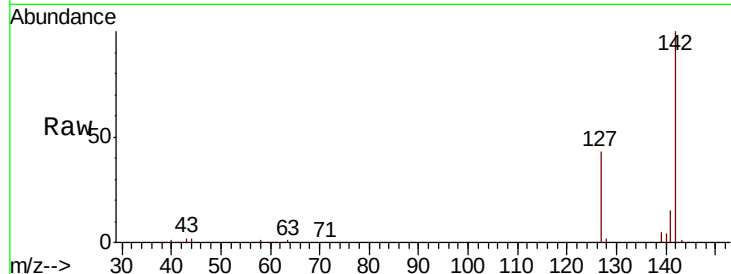
#11
Methyl Iodide
Concen: 17.199 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.00 min
Lab File: VX013087.D
Acq: 16 Oct 2019 10:57

Instrument :
MSVOA_X
ClientSampled :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	42.8	21.4	64.2
141	14.6	7.3	21.9

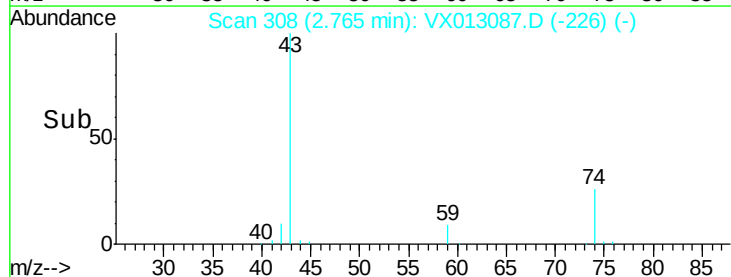
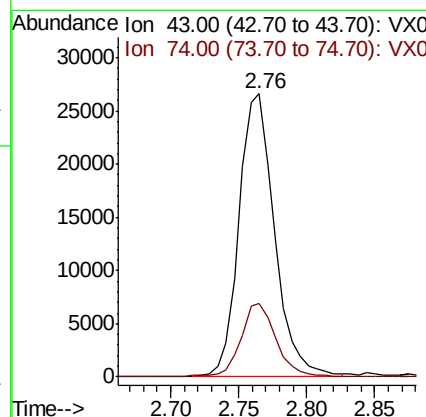
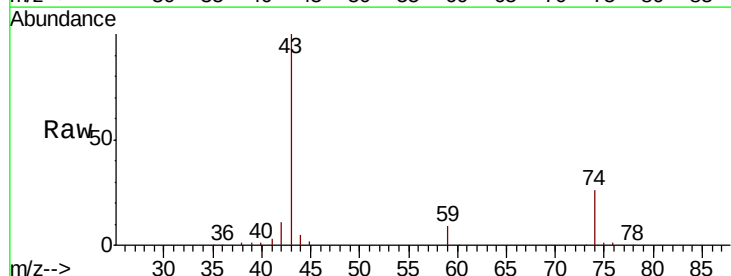
Manual Integrations
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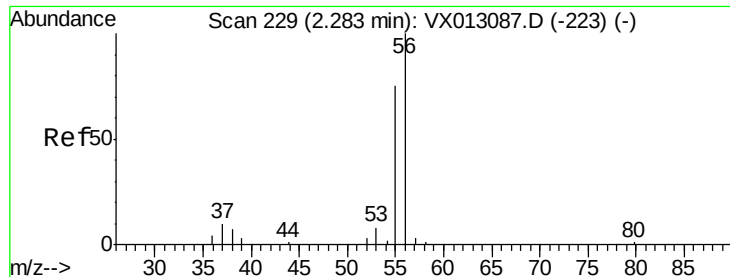
MMDadoda
10/18/2019 4:51:43 PM



#12
Methyl Acetate
Concen: 20.120 ug/l
RT: 2.76 min Scan# 308
Delta R.T. 0.00 min
Lab File: VX013087.D
Acq: 16 Oct 2019 10:57

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.1	20.9	31.3





#13

Acrolein

Concen: 115.502 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX013087.D

Acq: 16 Oct 2019 10:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 56 Resp: 34374

Ion Ratio Lower Upper

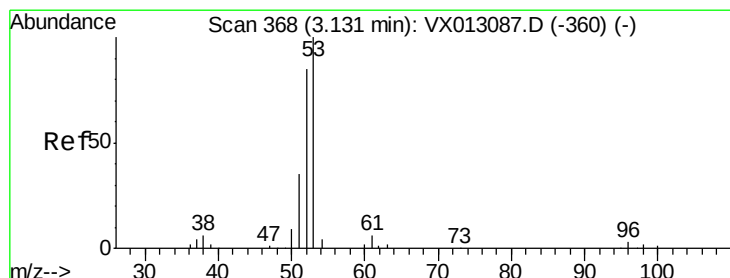
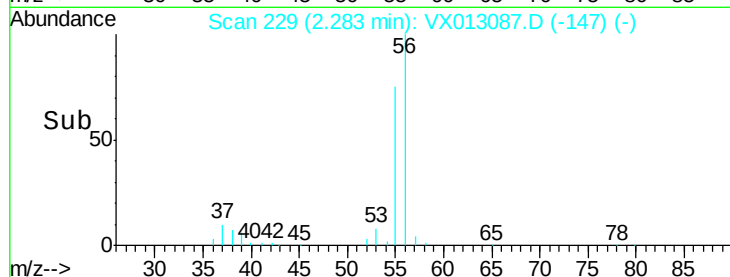
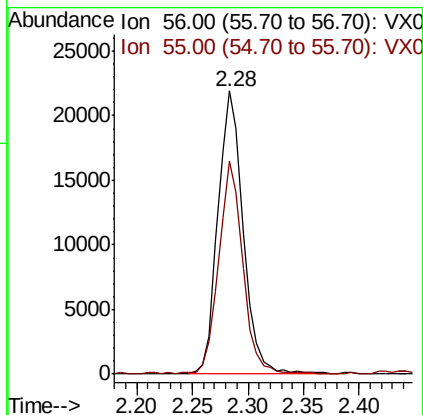
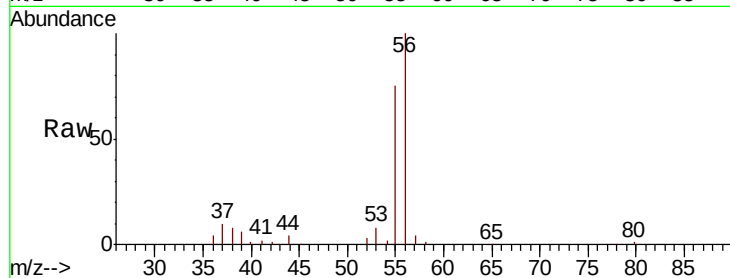
56 100

55 72.3 57.8 86.8

Manual Integrations
APPROVED

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#14

Acrylonitrile

Concen: 106.537 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX013087.D

Acq: 16 Oct 2019 10:57

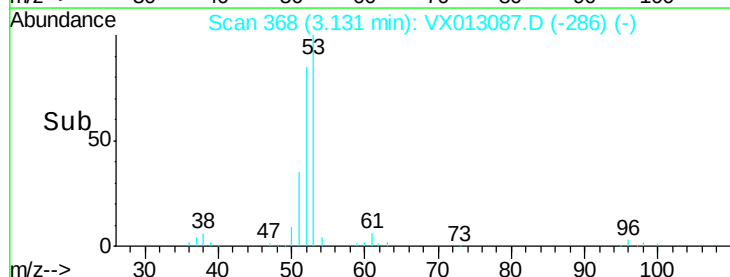
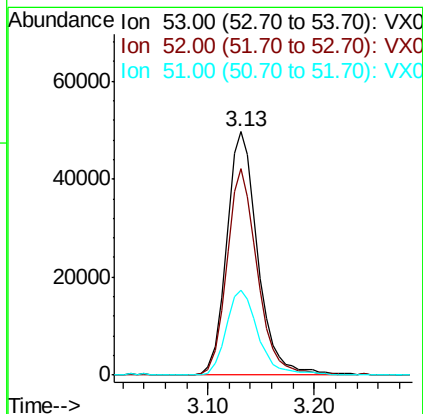
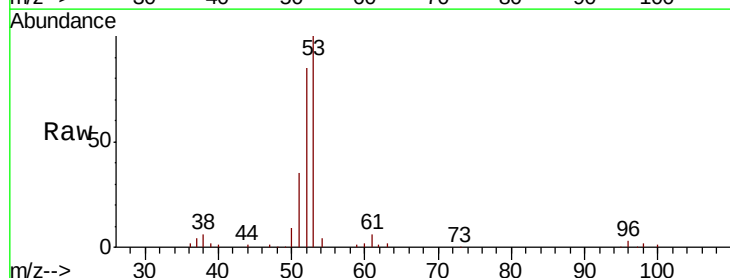
Tgt Ion: 53 Resp: 101423

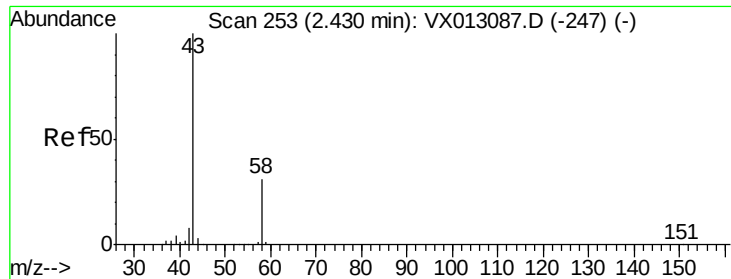
Ion Ratio Lower Upper

53 100

52 82.8 41.4 124.2

51 36.3 18.1 54.4





#15

Acetone

Concen: 143.650 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX013087.D

Acq: 16 Oct 2019 10:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 58 Resp: 41898

Ion Ratio Lower Upper

58 100

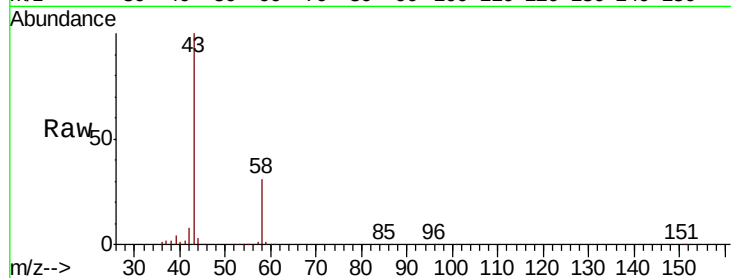
43 324.4 259.5 389.3

Manual Integrations

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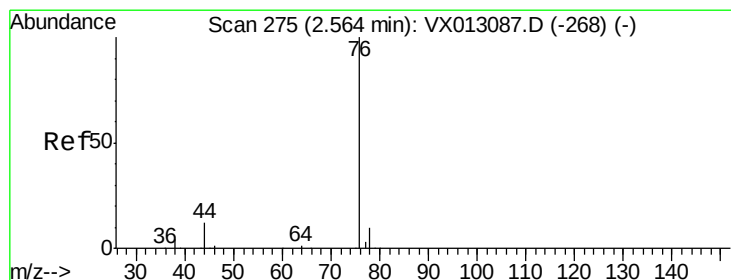
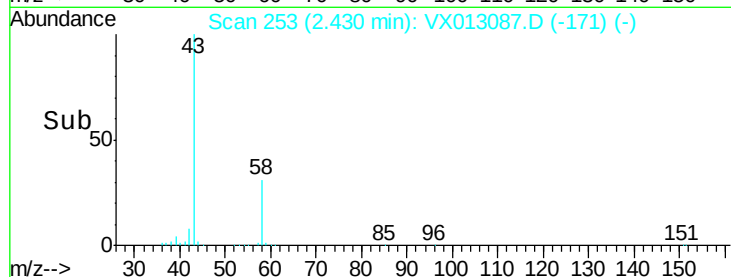
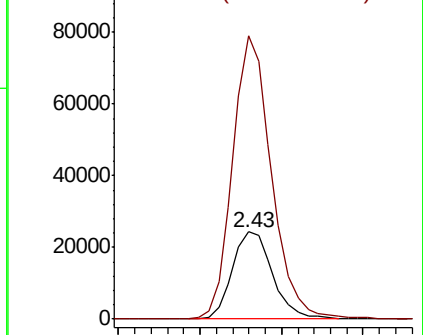
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Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 20.564 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.00 min

Lab File: VX013087.D

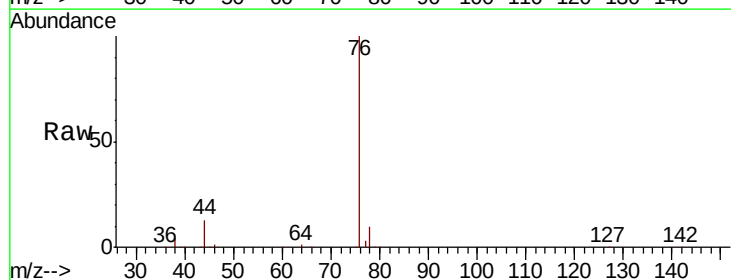
Acq: 16 Oct 2019 10:57

Tgt Ion: 76 Resp: 91771

Ion Ratio Lower Upper

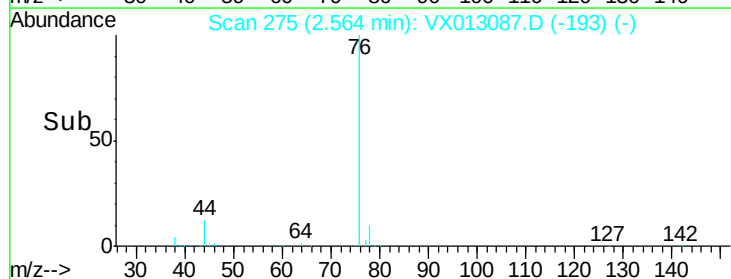
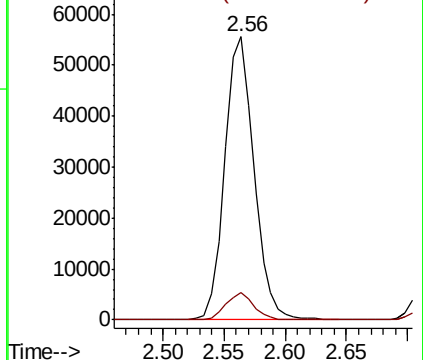
76 100

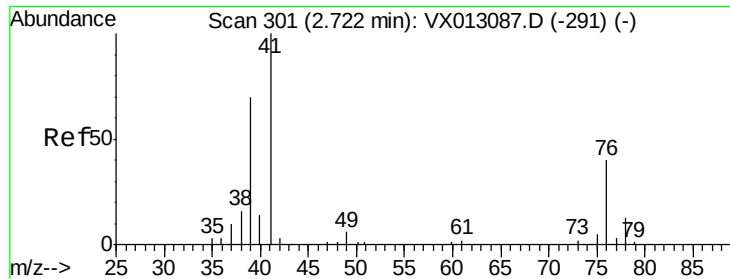
78 9.7 7.8 11.6



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





#17

Allvl chloride

Concen: 22.714 ug/l

RT: 2.72 min Scan# 301

Delta R.T. 0.00 min

Lab File: VX013087.D

Acq: 16 Oct 2019 10:57

Instrument :

MSVOA_X

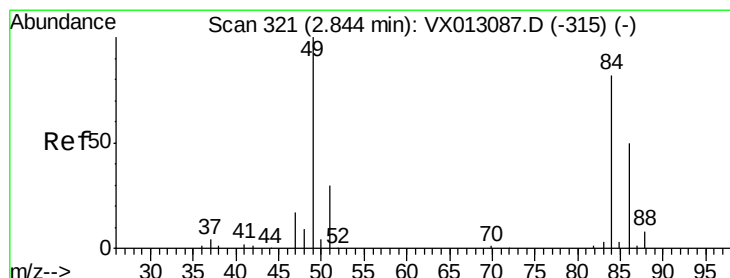
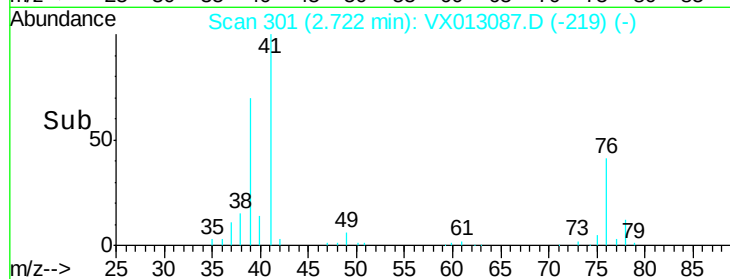
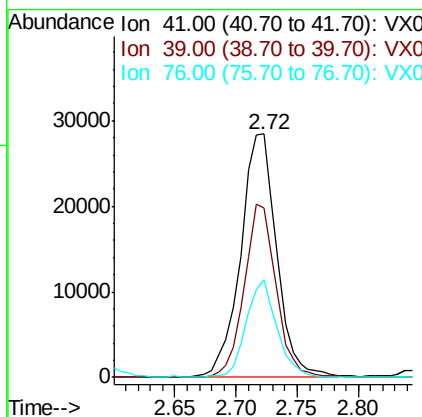
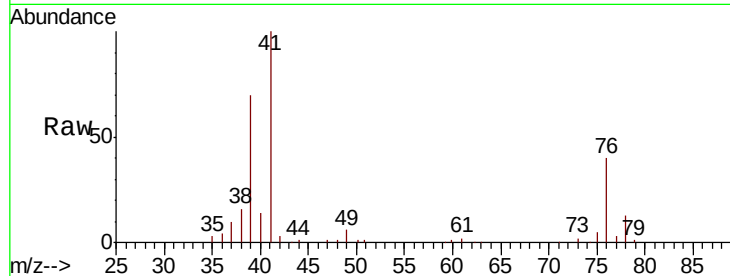
ClientSampleId :

VSTDICCC020

Tot Ion:	41	Resp:	58655
Ion	Ratio	Lower	Upper
41	100		
39	69.7	34.8	104.5
76	40.3	20.2	60.5

Manual Integrations
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#18

Methylene Chloride

Concen: 20.809 ug/l

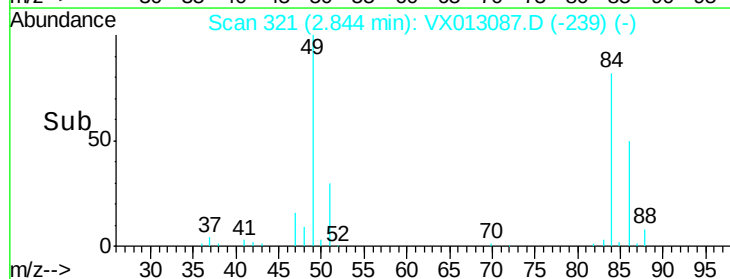
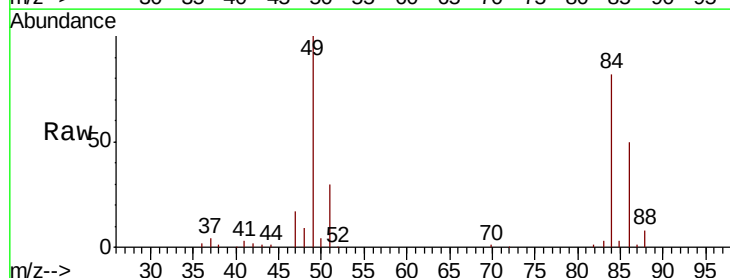
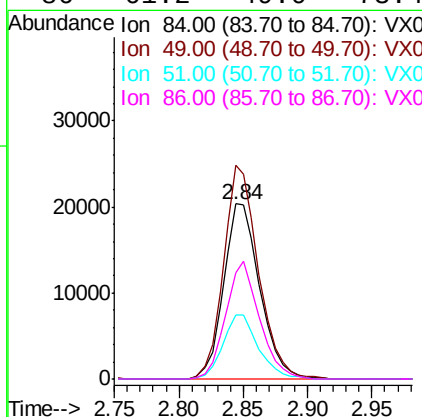
RT: 2.84 min Scan# 321

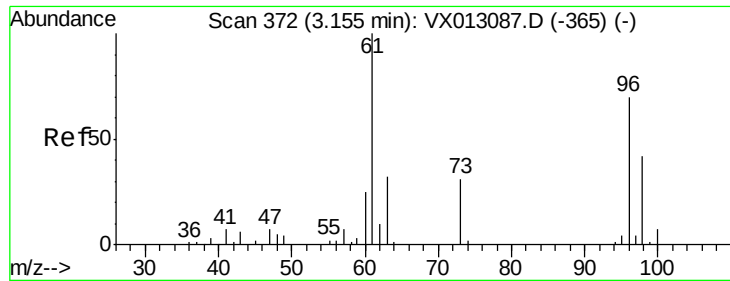
Delta R.T. 0.00 min

Lab File: VX013087.D

Acq: 16 Oct 2019 10:57

Tgt Ion:	84	Resp:	40023
Ion	Ratio	Lower	Upper
84	100		
49	122.2	97.8	146.6
51	36.5	29.2	43.8
86	61.2	49.0	73.4





#19

trans-1,2-Dichloroethene

Concen: 20.690 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX013087.D

Acq: 16 Oct 2019 10:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 96 Resp: 37618

Ion Ratio Lower Upper

96 100

61 142.4 113.9 170.9

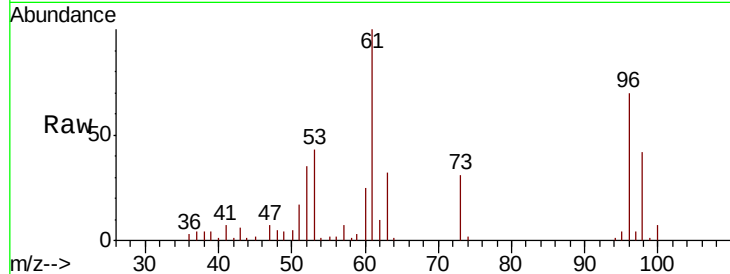
98 60.1 48.1 72.1

Manual Integrations

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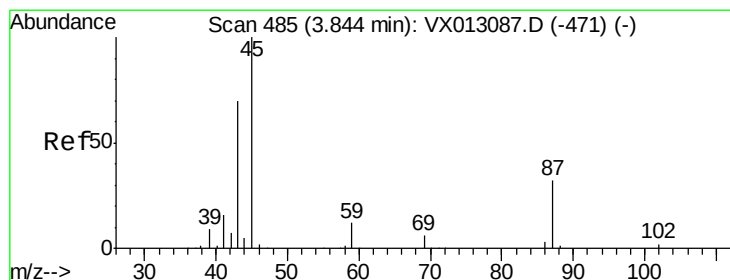
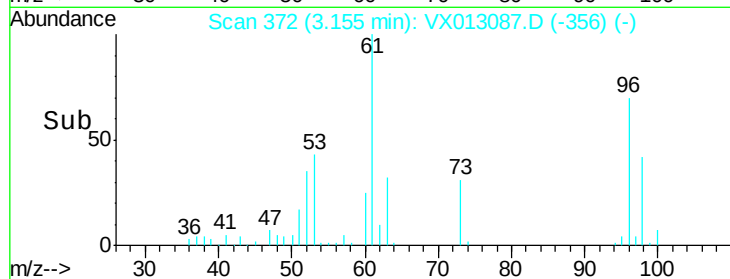
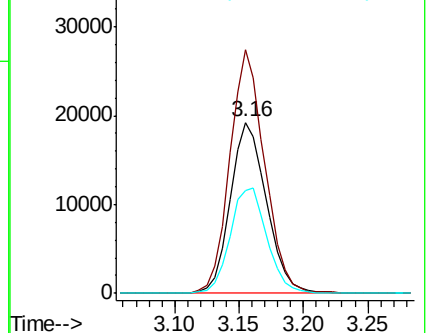
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Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#20

Diisopropyl ether

Concen: 21.829 ug/l

RT: 3.84 min Scan# 485

Delta R.T. 0.00 min

Lab File: VX013087.D

Acq: 16 Oct 2019 10:57

Tgt Ion: 45 Resp: 117157

Ion Ratio Lower Upper

45 100

43 71.9 57.5 86.3

87 31.6 25.3 37.9

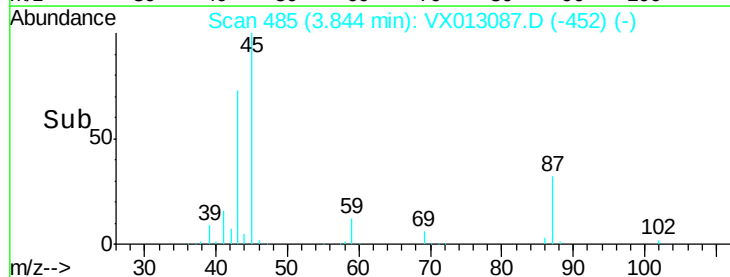
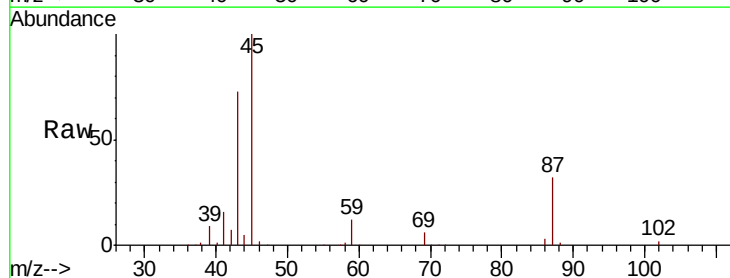
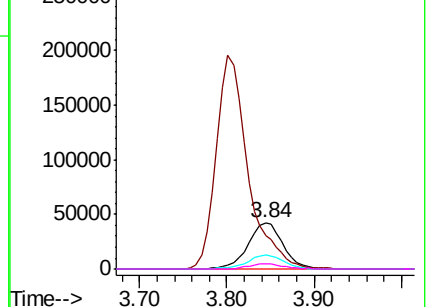
59 12.1 9.7 14.5

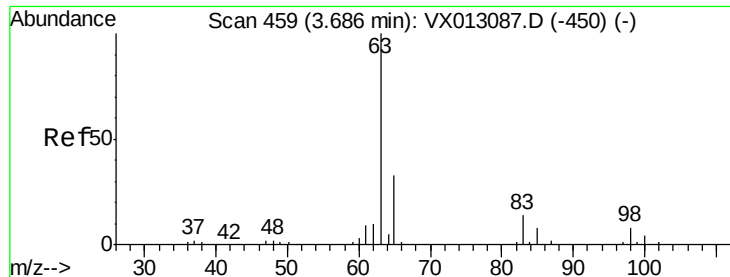
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#21

1,1-Dichloroethane

Concen: 21.573 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX013087.D

Acq: 16 Oct 2019 10:57

Instrument :

MSVOA_X

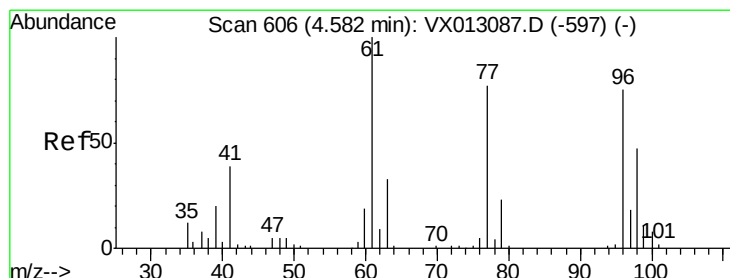
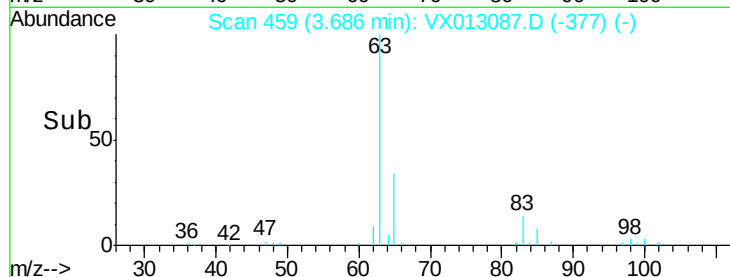
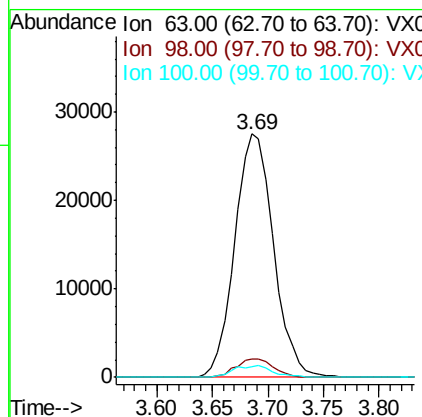
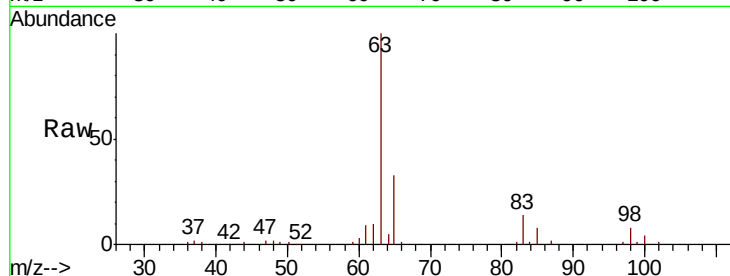
ClientSampleId :

VSTDICCC020

Tot Ion:	63	Resp:	66440
Ion	Ratio	Lower	Upper
63	100		
98	7.6	3.8	11.4
100	4.3	2.1	6.5

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 20.256 ug/l

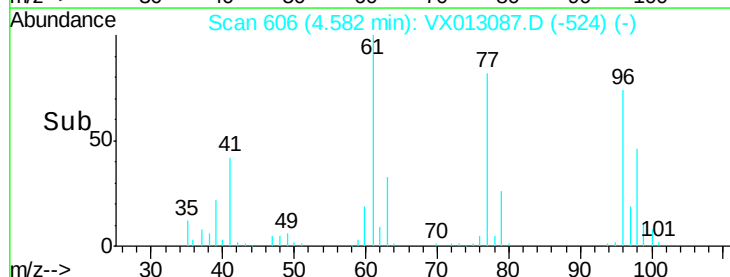
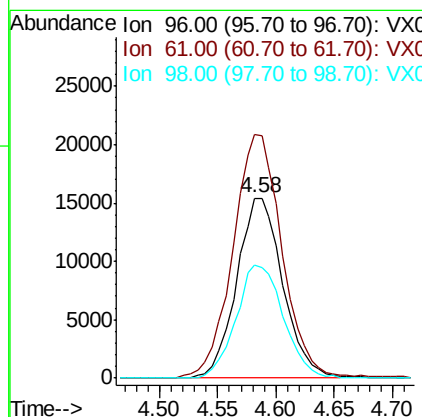
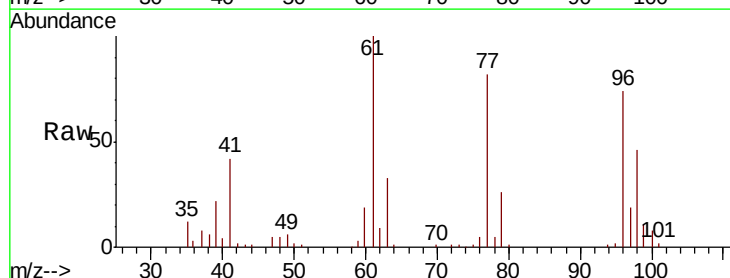
RT: 4.58 min Scan# 606

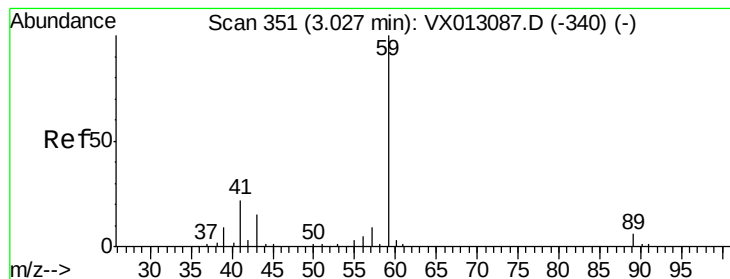
Delta R.T. 0.00 min

Lab File: VX013087.D

Acq: 16 Oct 2019 10:57

Tgt Ion:	96	Resp:	42345
Ion	Ratio	Lower	Upper
96	100		
61	143.7	115.0	172.4
98	64.4	51.5	77.3





#23

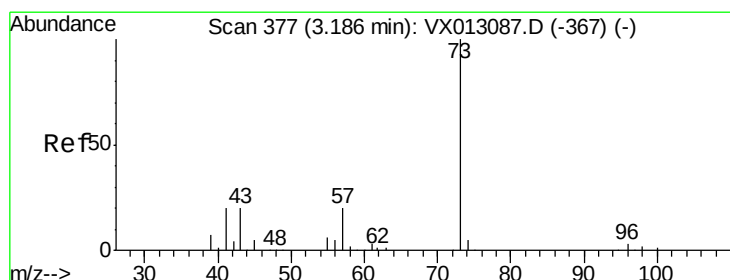
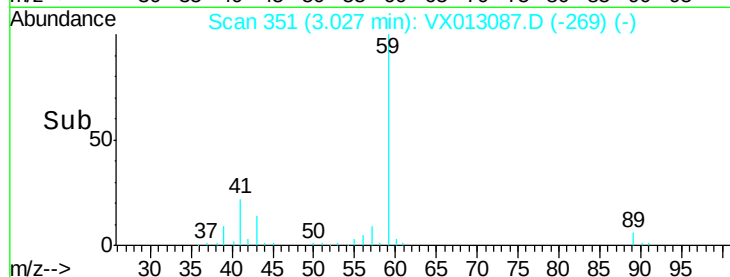
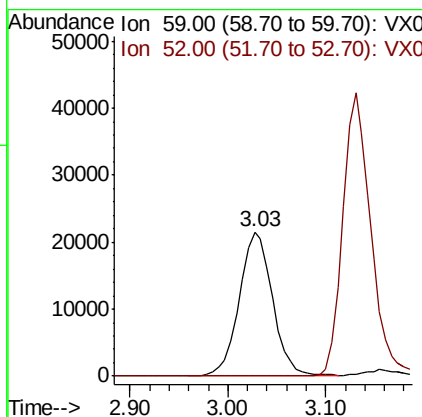
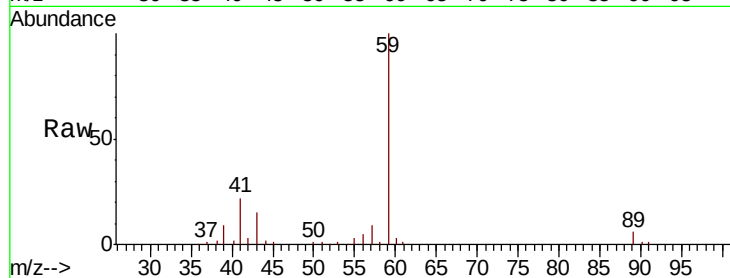
tert-Butyl Alcohol
 Concen: 102.238 ug/l
 RT: 3.03 min Scan# 351
 Delta R.T. 0.00 min
 Lab File: VX013087.D
 Acq: 16 Oct 2019 10:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	59	52
59	100	0.1
52	0.1	0.1

Manual Integrations
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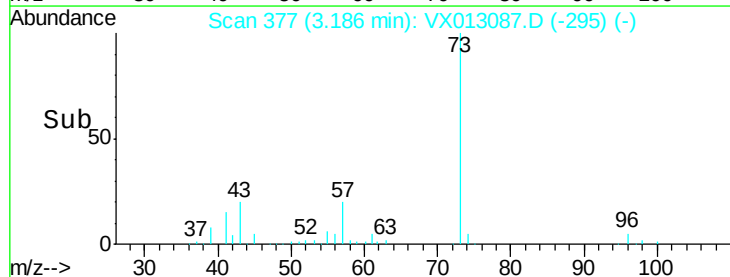
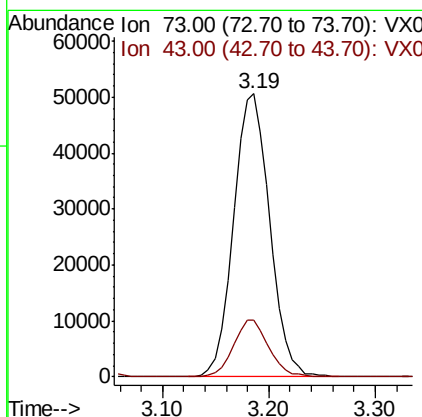
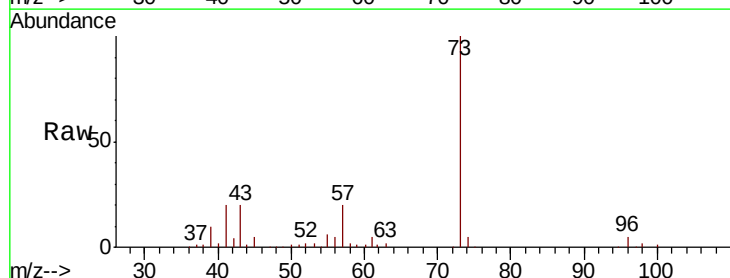
MMDadoda
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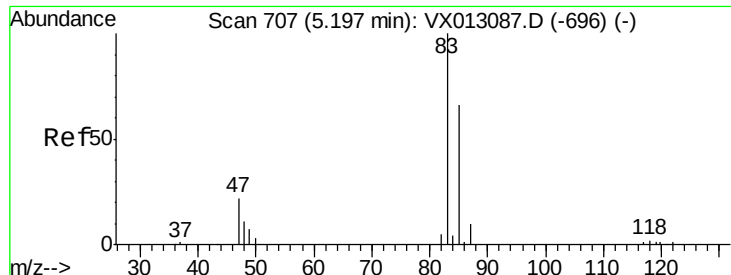


#24

Methyl tert-Butyl Ether
 Concen: 21.449 ug/l
 RT: 3.19 min Scan# 377
 Delta R.T. 0.00 min
 Lab File: VX013087.D
 Acq: 16 Oct 2019 10:57

Tgt Ion	73	43
73	100	19.8
43	19.8	15.8





#25

Chloroform

Concen: 20.674 ug/l

RT: 5.20 min Scan# 707

Delta R.T. 0.00 min

Lab File: VX013087.D

Acq: 16 Oct 2019 10:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 83 Resp: 69064

Ion Ratio Lower Upper

83 100

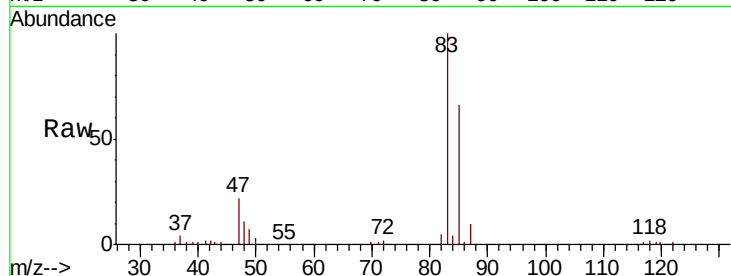
85 66.3 53.0 79.6

Manual Integrations

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Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

25000

20000

15000

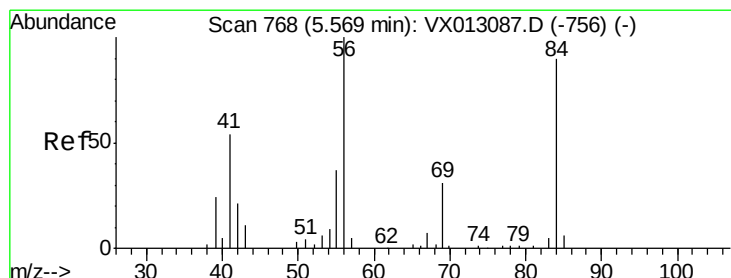
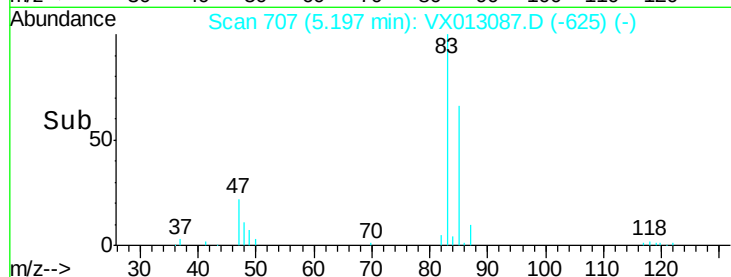
10000

5000

0

5.10 5.20 5.30

Time-->



#26

Cyclohexane

Concen: 21.352 ug/l

RT: 5.57 min Scan# 768

Delta R.T. 0.00 min

Lab File: VX013087.D

Acq: 16 Oct 2019 10:57

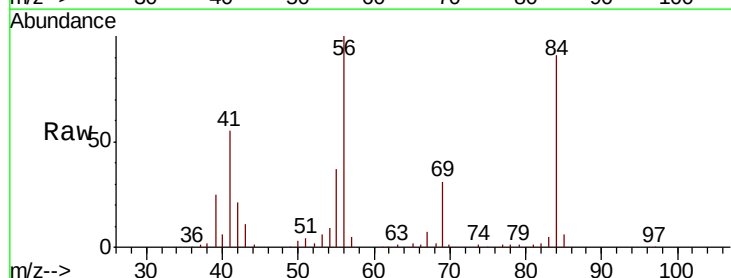
Tgt Ion: 56 Resp: 59839

Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 89.1 71.3 106.9



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

30000

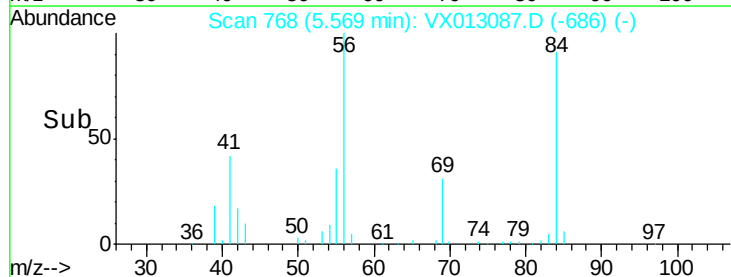
20000

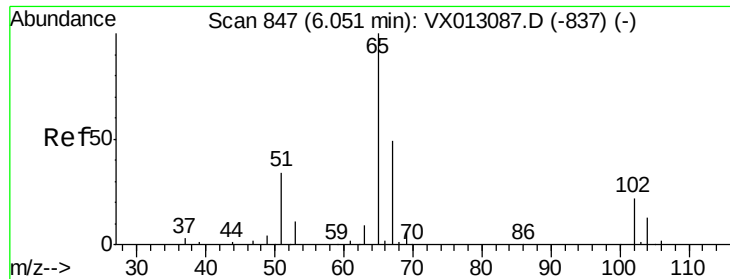
10000

0

5.50 5.57 5.70

Time-->





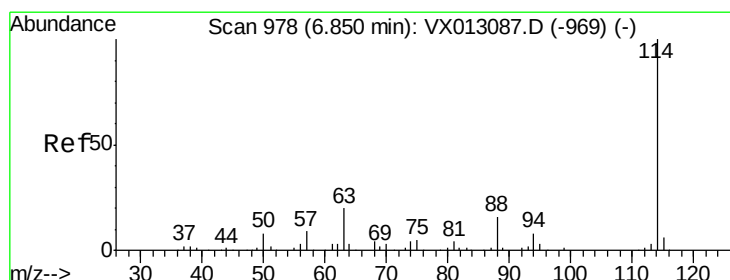
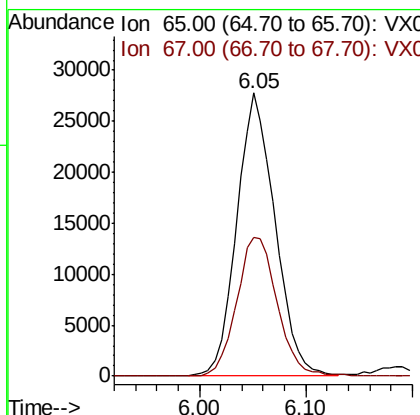
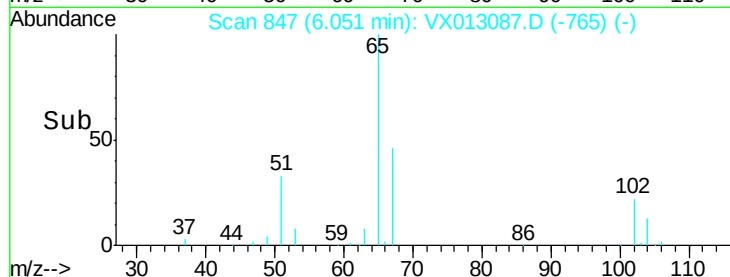
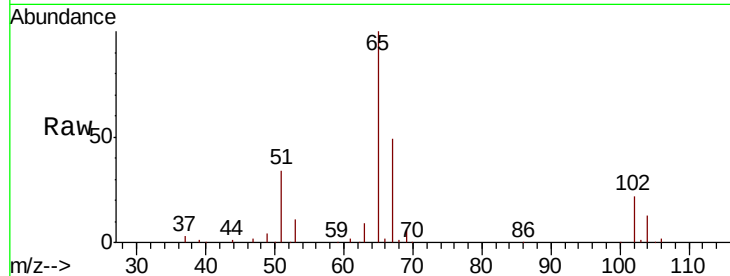
#27
 1,2-Dichloroethane-d4
 Concen: 32.836 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX013087.D
 Acq: 16 Oct 2019 10:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.5	41.2	61.8

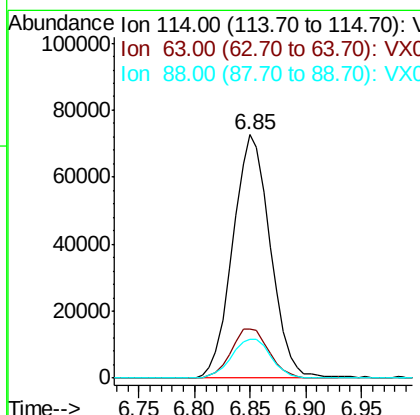
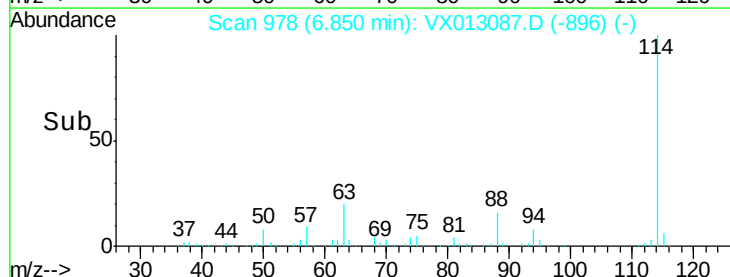
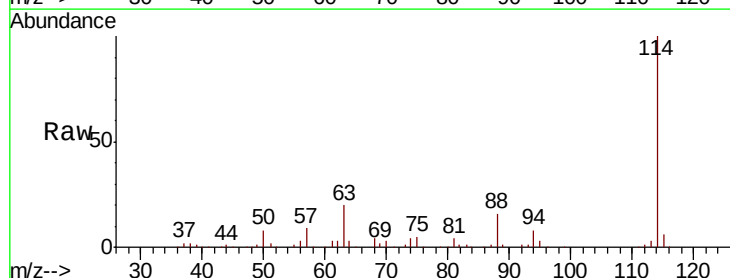
Manual Integrations
 APPROVED

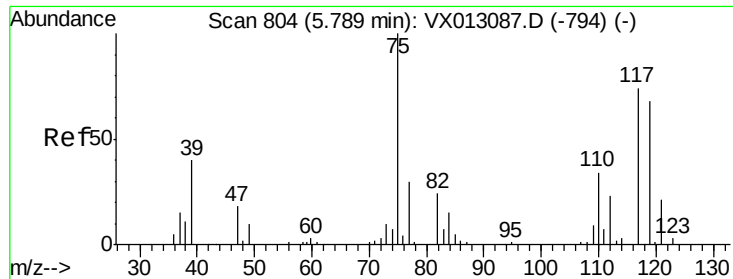
MMDadoda
 10/18/2019 4:51:43 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX013087.D
 Acq: 16 Oct 2019 10:57

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.6	16.5	24.7
88	17.0	13.6	20.4





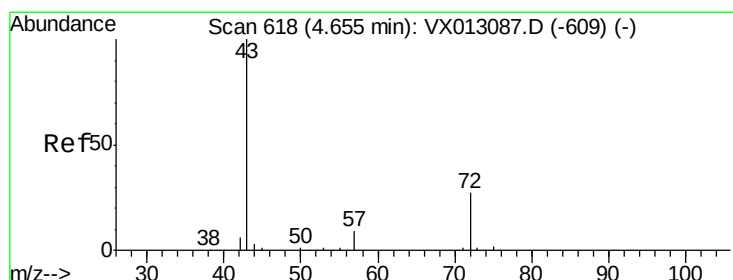
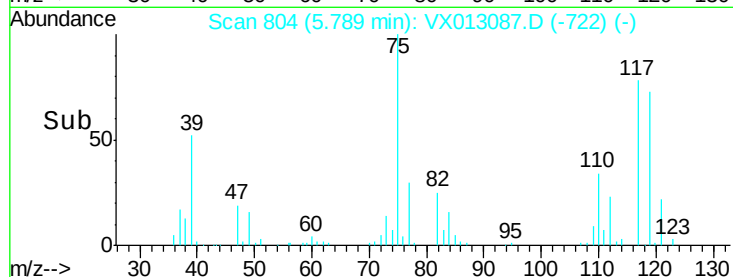
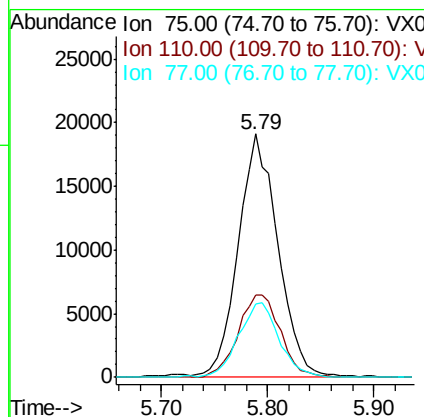
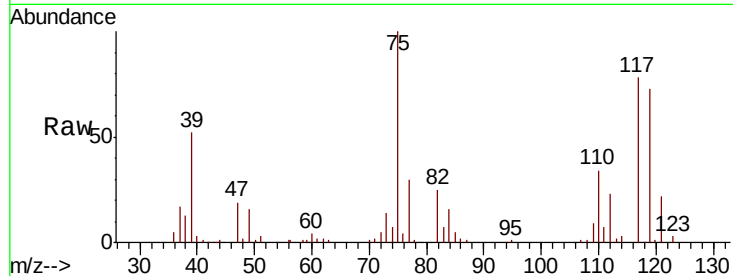
#29
 1,1-Dichloropropene
 Concen: 20.675 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX013087.D
 Acq: 16 Oct 2019 10:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
75	100		
110	36.1	0.0	72.2
77	31.4	0.0	62.8

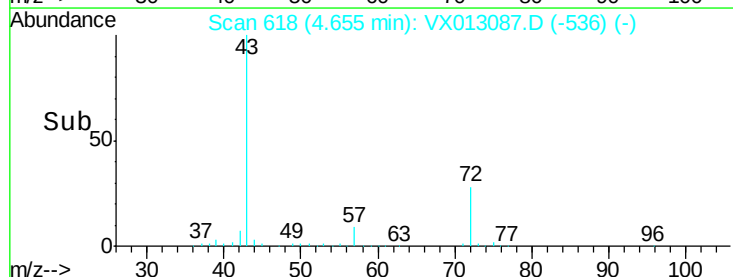
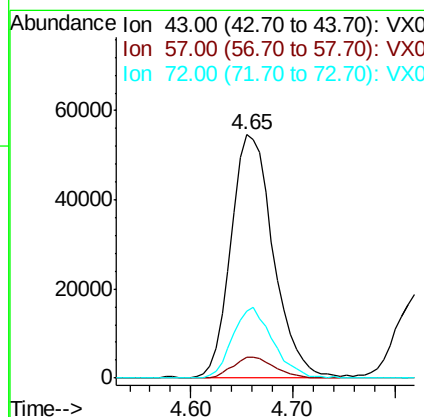
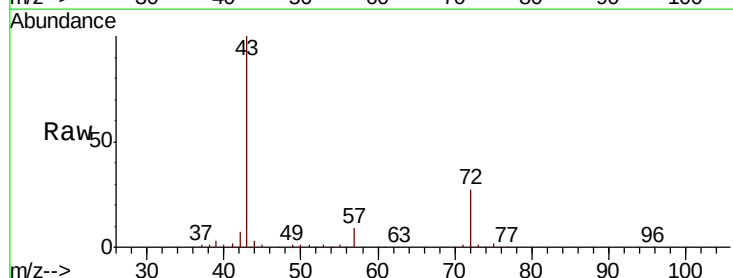
Manual Integrations
 APPROVED

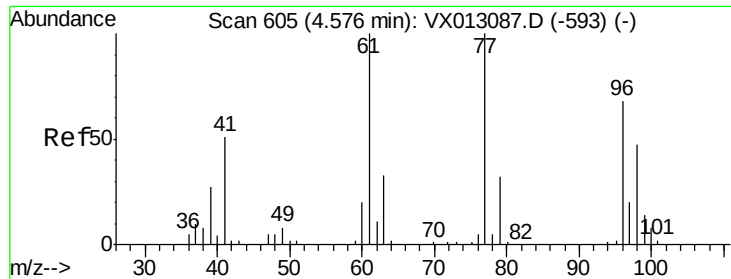
MMDadoda
 10/18/2019 4:51:43 PM



#30
 2-Butanone
 Concen: 115.661 ug/l
 RT: 4.65 min Scan# 618
 Delta R.T. 0.00 min
 Lab File: VX013087.D
 Acq: 16 Oct 2019 10:57

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.6	6.9	10.3
72	27.6	22.1	33.1





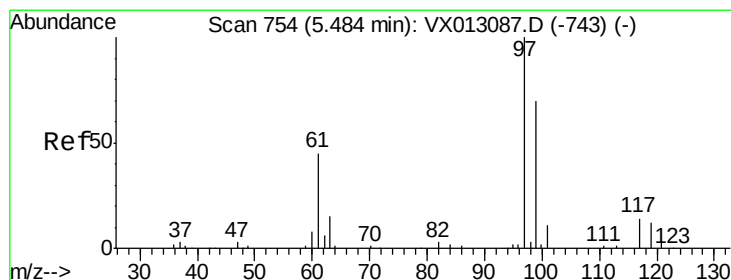
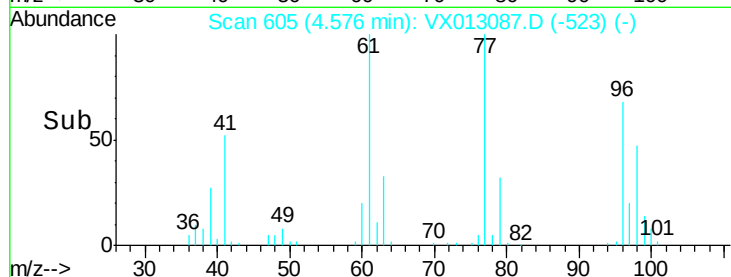
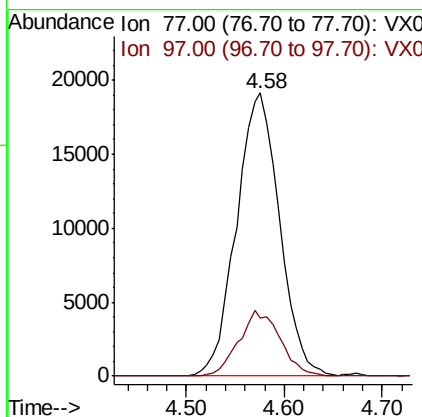
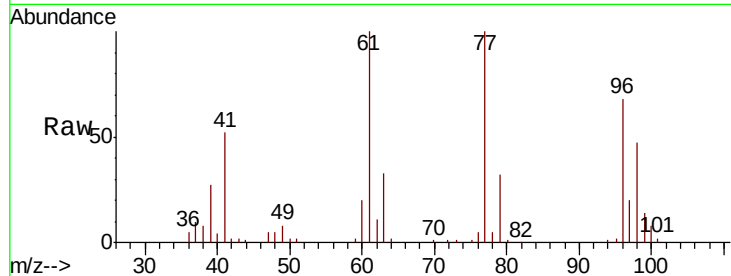
#31
 2,2-Dichloropropane
 Concen: 25.700 ug/l
 RT: 4.58 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VX013087.D
 Acq: 16 Oct 2019 10:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion: 77 Resp: 58477
 Ion Ratio Lower Upper
 77 100
 97 22.2 17.8 26.6

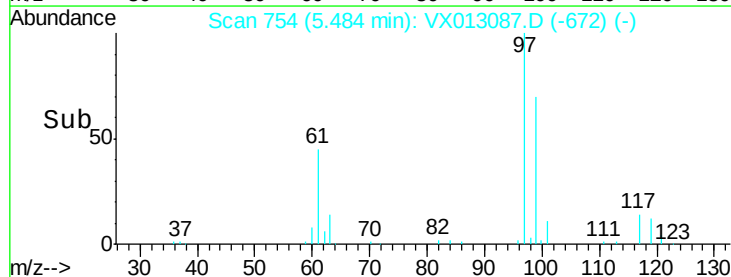
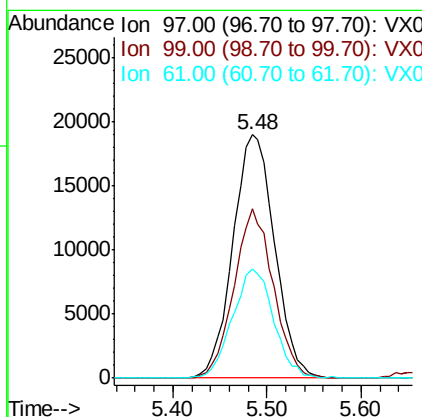
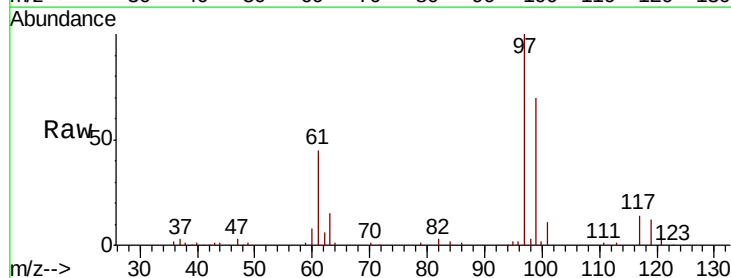
Manual Integrations
 APPROVED

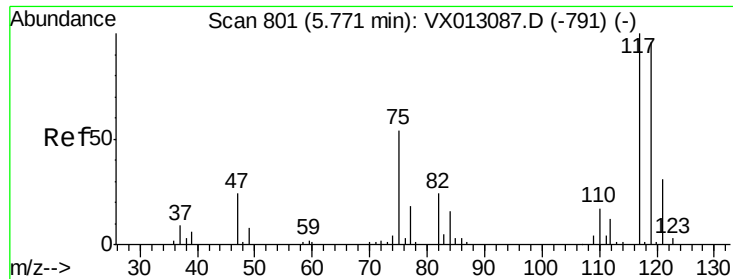
MMDadoda
 10/18/2019 4:51:43 PM



#32
 1,1,1-Trichloroethane
 Concen: 20.126 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. 0.00 min
 Lab File: VX013087.D
 Acq: 16 Oct 2019 10:57

Tgt Ion: 97 Resp: 58779
 Ion Ratio Lower Upper
 97 100
 99 65.5 52.4 78.6
 61 43.9 35.1 52.7





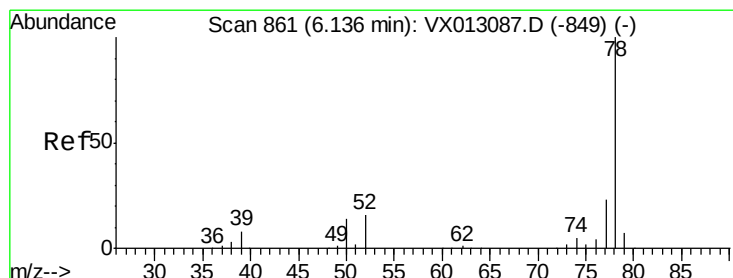
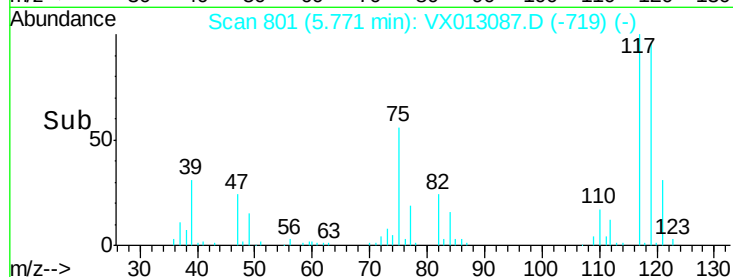
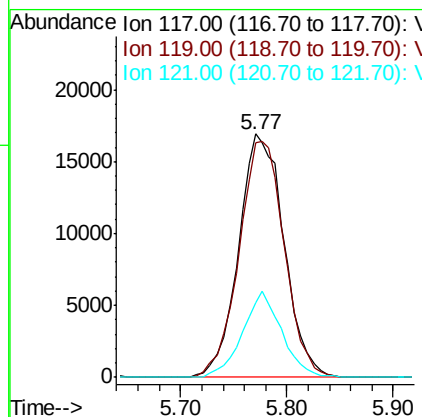
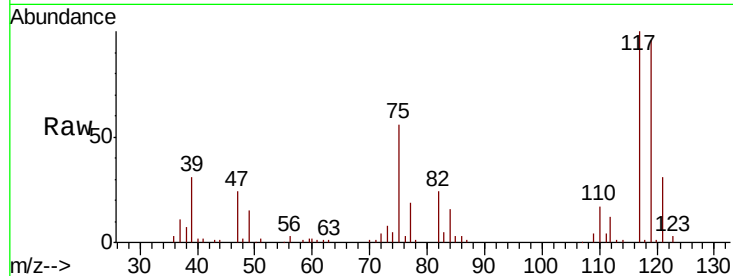
#33
Carbon Tetrachloride
Concen: 19.775 ug/l
RT: 5.77 min Scan# 801
Delta R.T. 0.00 min
Lab File: VX013087.D
Acq: 16 Oct 2019 10:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion:117 Resp: 50332
Ion Ratio Lower Upper
117 100
119 96.2 77.0 115.4
121 30.7 24.6 36.8

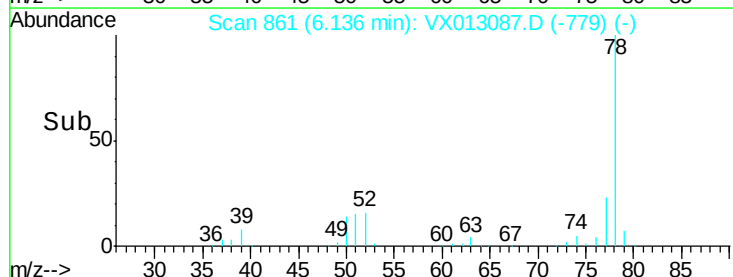
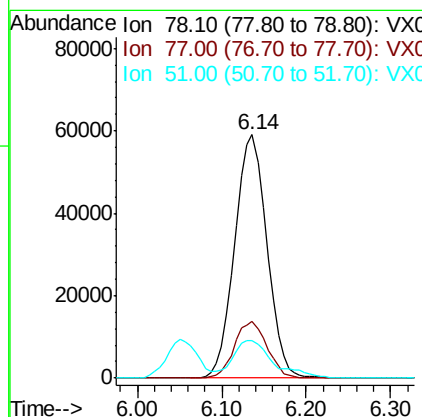
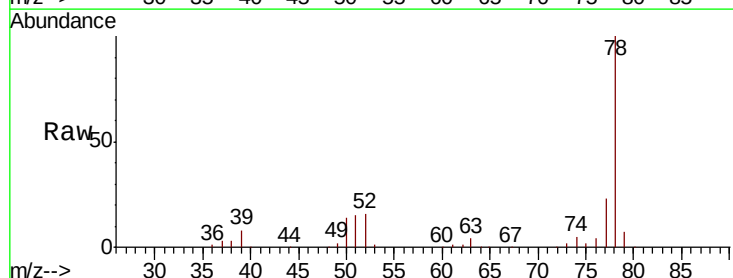
Manual Integrations
APPROVED

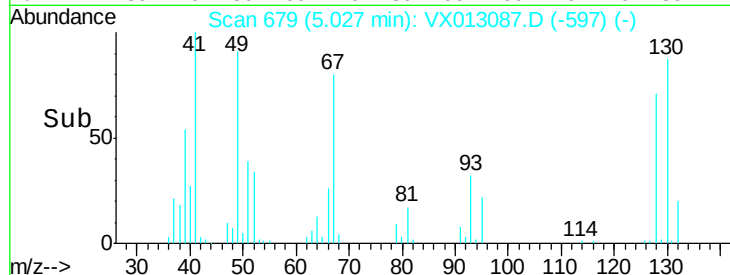
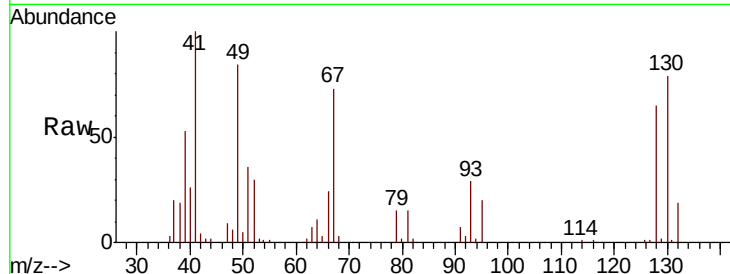
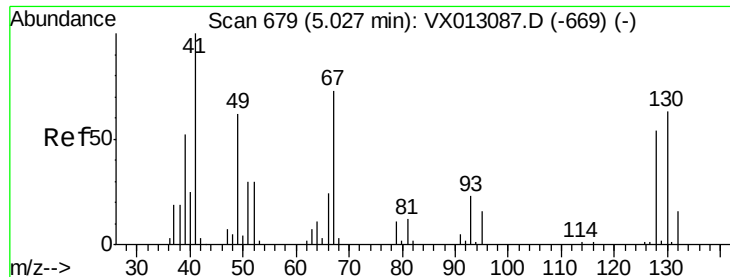
MMDadoda
10/18/2019 4:51:43 PM



#34
Benzene
Concen: 21.055 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.00 min
Lab File: VX013087.D
Acq: 16 Oct 2019 10:57

Tgt Ion: 78 Resp: 153404
Ion Ratio Lower Upper
78 100
77 23.1 18.5 27.7
51 15.1 12.1 18.1





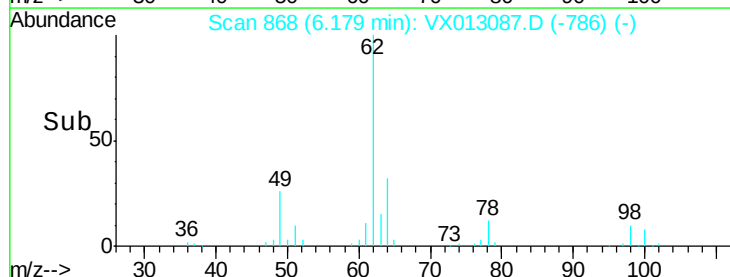
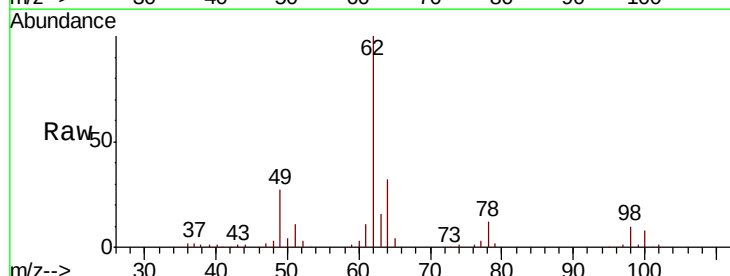
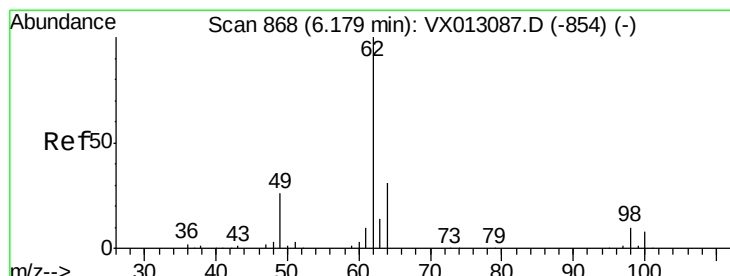
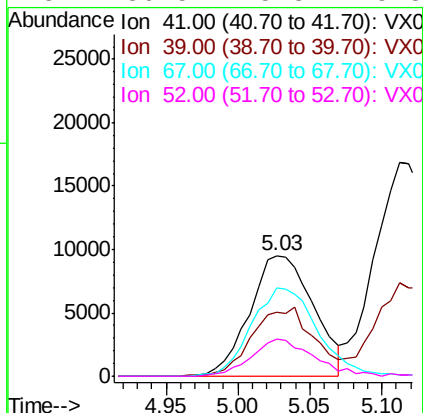
#35
Methacrylonitrile
Concen: 21.185 ug/l
RT: 5.03 min Scan# 679
Delta R.T. 0.00 min
Lab File: VX013087.D
Acq: 16 Oct 2019 10:57

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.5	26.3	78.8	
67	73.0	36.5	109.5	
52	30.5	15.3	45.8	

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

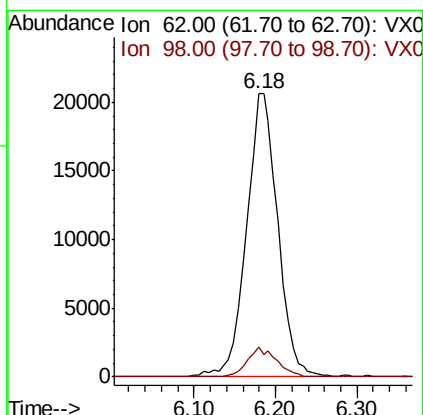
Manual Integrations
APPROVED

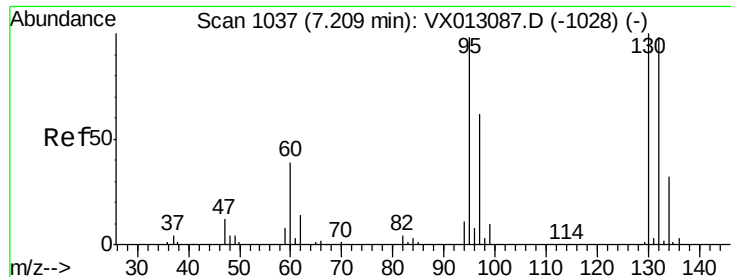
MMDadoda
10/18/2019 4:51:43 PM



#36
1,2-Dichloroethane
Concen: 21.007 ug/l
RT: 6.18 min Scan# 868
Delta R.T. 0.00 min
Lab File: VX013087.D
Acq: 16 Oct 2019 10:57

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.7	7.8	11.6	





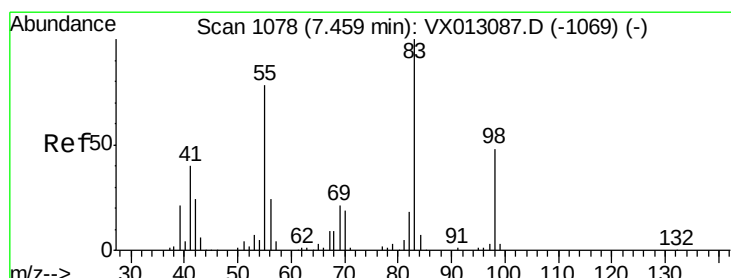
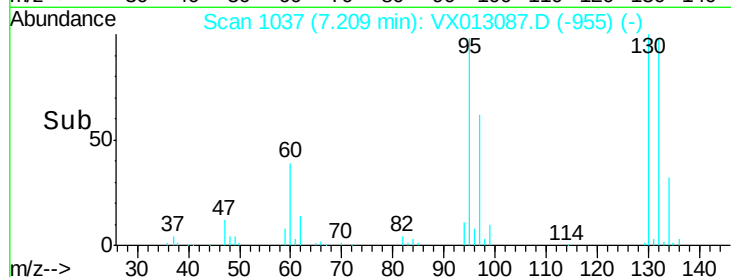
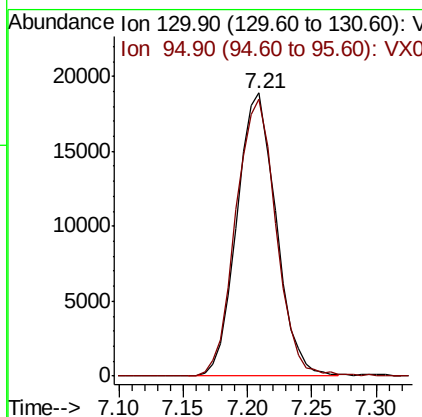
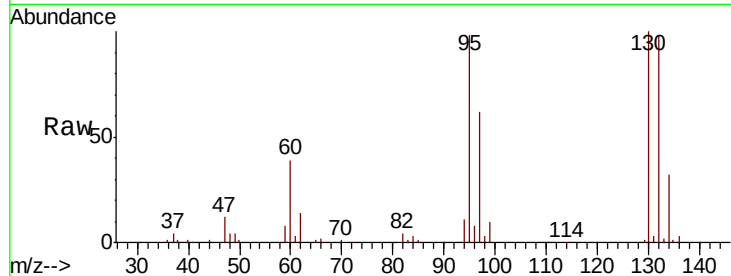
#37
 Trichloroethene
 Concen: 19.101 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: VX013087.D
 Acq: 16 Oct 2019 10:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion:130 Resp: 39972
 Ion Ratio Lower Upper
 130 100
 95 98.0 78.4 117.6

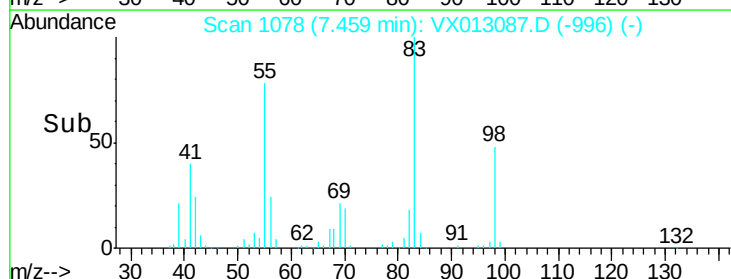
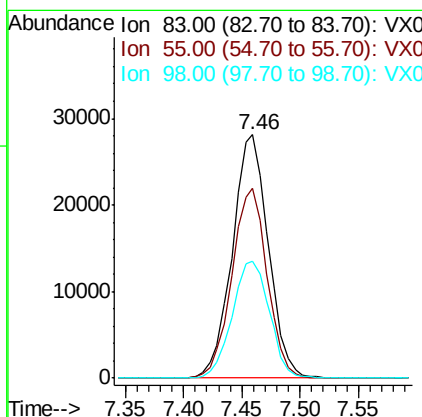
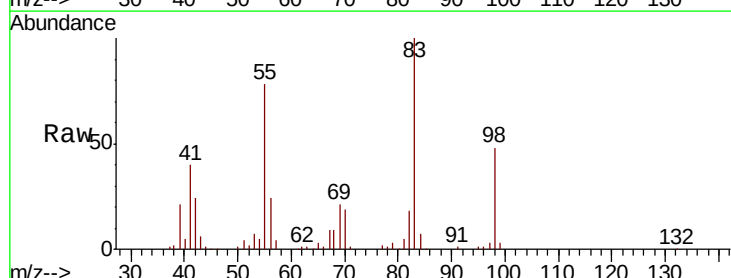
Manual Integrations
 APPROVED

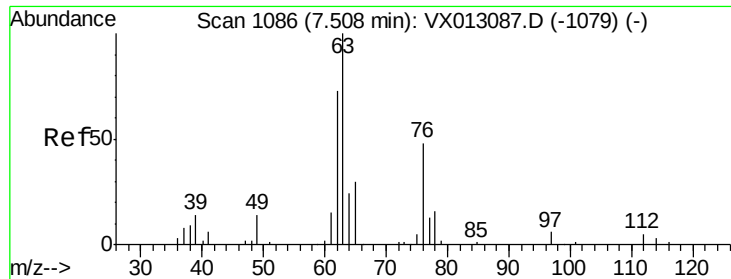
MMDadoda
 10/18/2019 4:51:43 PM



#38
 Methylcyclohexane
 Concen: 19.995 ug/l
 RT: 7.46 min Scan# 1078
 Delta R.T. 0.00 min
 Lab File: VX013087.D
 Acq: 16 Oct 2019 10:57

Tgt Ion: 83 Resp: 60579
 Ion Ratio Lower Upper
 83 100
 55 76.5 38.3 114.8
 98 49.8 24.9 74.7





#39

1,2-Dichloropropane

Concen: 21.186 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX013087.D

Acq: 16 Oct 2019 10:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 63 Resp: 38737

Ion Ratio Lower Upper

63 100

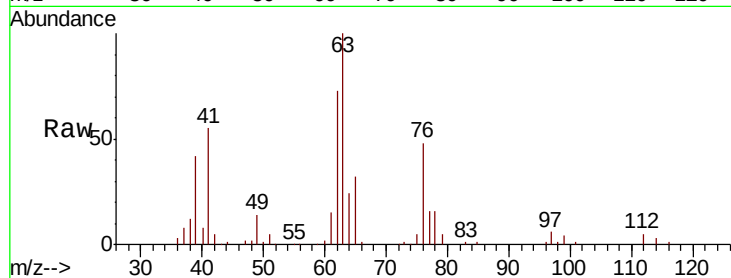
65 32.0 25.6 38.4

Manual Integrations

APPROVED

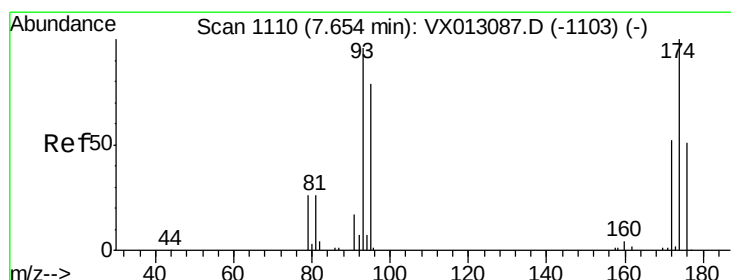
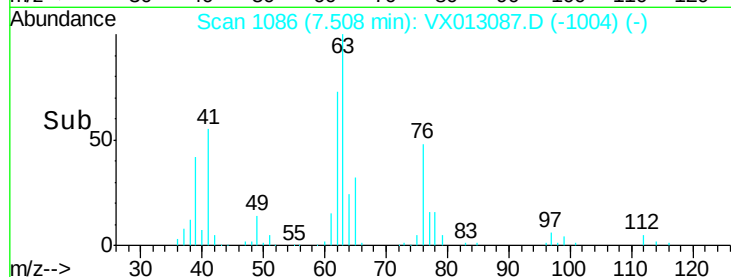
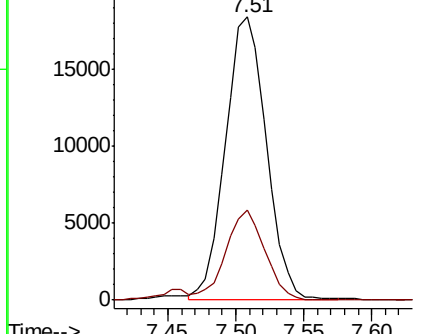
MMDadoda

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Abundance Ion 63.00 (62.70 to 63.70): VX0

Ion 65.00 (64.70 to 65.70): VX0



#40

Dibromomethane

Concen: 19.257 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX013087.D

Acq: 16 Oct 2019 10:57

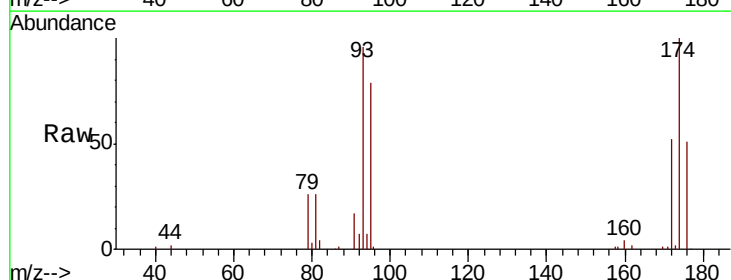
Tgt Ion: 93 Resp: 25318

Ion Ratio Lower Upper

93 100

95 85.6 0.0 171.2

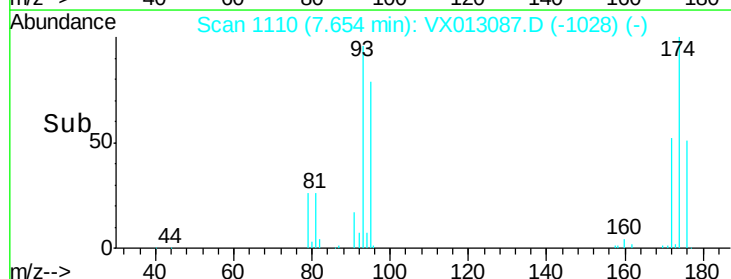
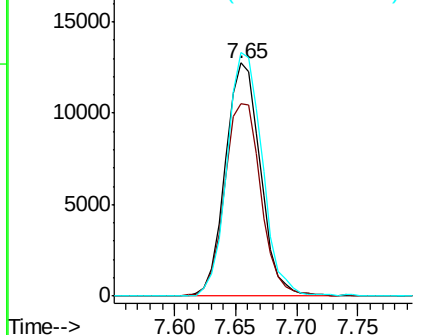
174 104.1 0.0 208.2

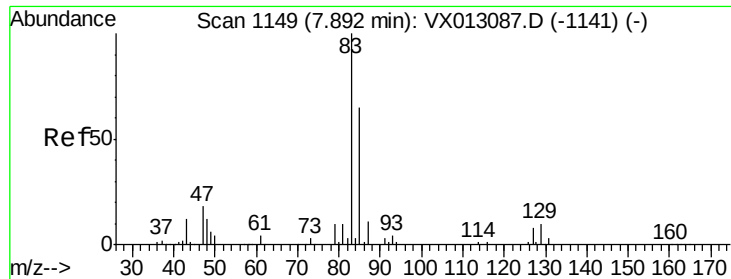


Abundance Ion 93.00 (92.70 to 93.70): VX0

Ion 95.00 (94.70 to 95.70): VX0

Ion 174.00 (173.70 to 174.70): V





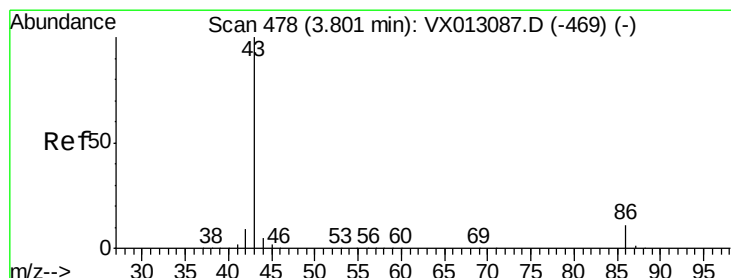
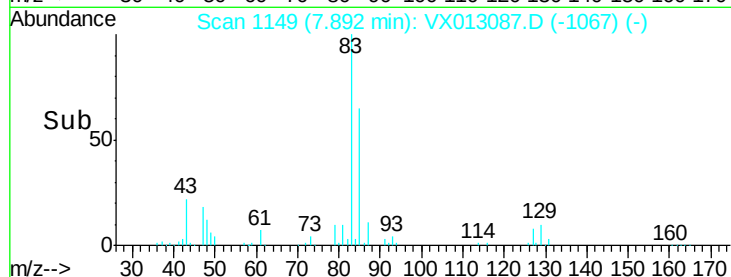
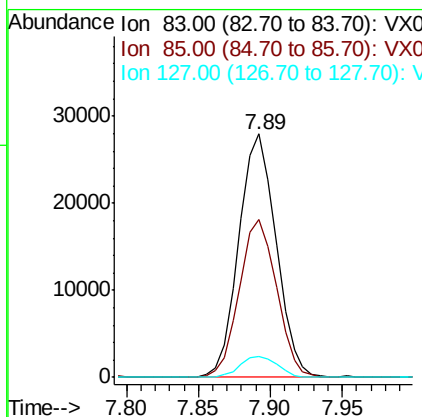
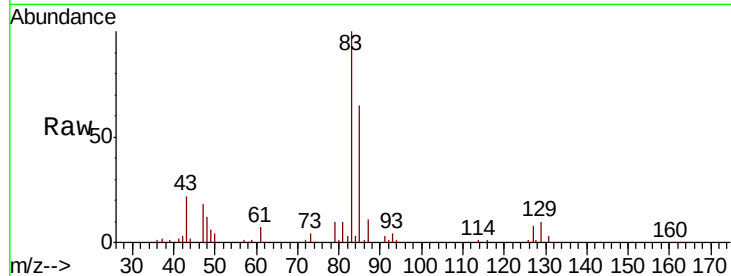
#41
Bromodichloromethane
Concen: 20.494 ug/l
RT: 7.89 min Scan# 1149
Delta R.T. 0.00 min
Lab File: VX013087.D
Acq: 16 Oct 2019 10:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	83	Resp	50417
Ion Ratio	100	Lower	Upper
83	100		
85	64.8	51.8	77.8
127	8.4	6.7	10.1

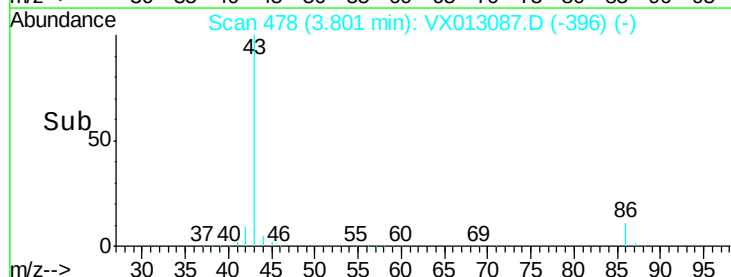
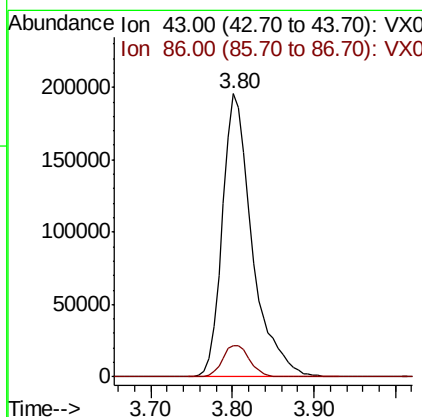
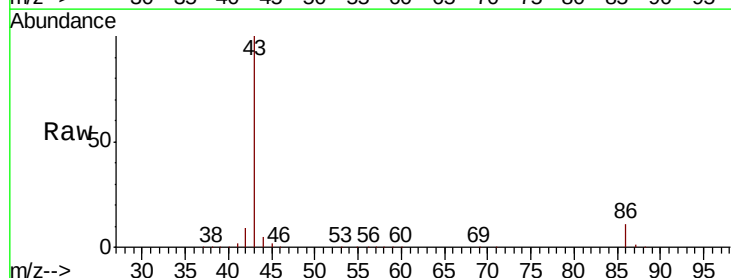
Manual Integrations
APPROVED

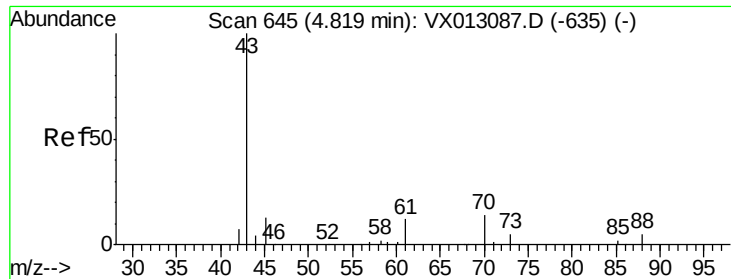
MMDadoda
10/18/2019 4:51:43 PM



#42
Vinyl Acetate
Concen: 111.888 ug/l
RT: 3.80 min Scan# 478
Delta R.T. 0.00 min
Lab File: VX013087.D
Acq: 16 Oct 2019 10:57

Tgt Ion	43	Resp	494548
Ion Ratio	100	Lower	Upper
43	100		
86	10.2	8.2	12.2





#43

Ethyl Acetate

Concen: 20.620 ug/l

RT: 4.82 min Scan# 645

Delta R.T. 0.00 min

Lab File: VX013087.D

Acq: 16 Oct 2019 10:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 43 Resp: 51939

Ion Ratio Lower Upper

43 100

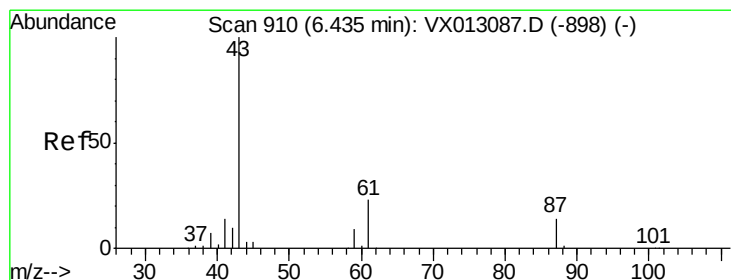
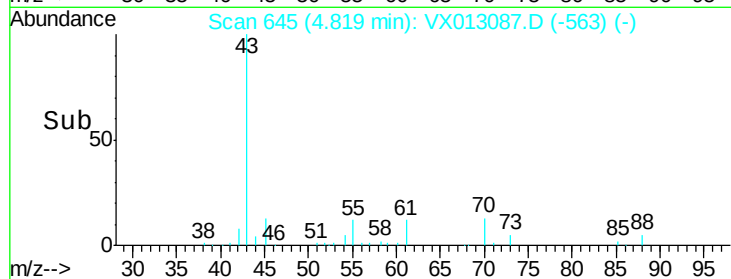
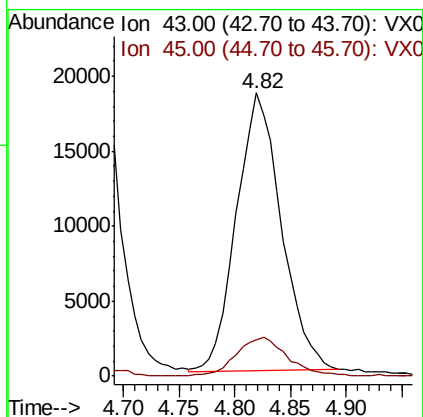
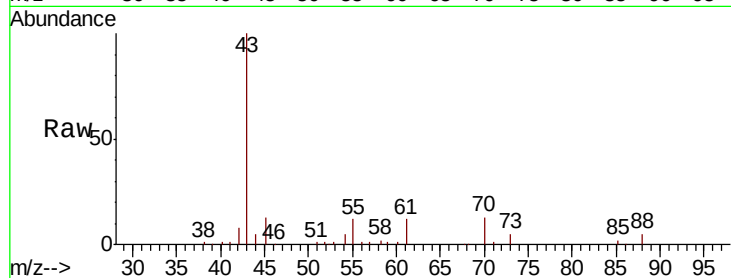
45 16.0 12.8 19.2

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10/18/2019 4:51:43 PM



#44

Isopropyl Acetate

Concen: 21.348 ug/l

RT: 6.44 min Scan# 910

Delta R.T. 0.00 min

Lab File: VX013087.D

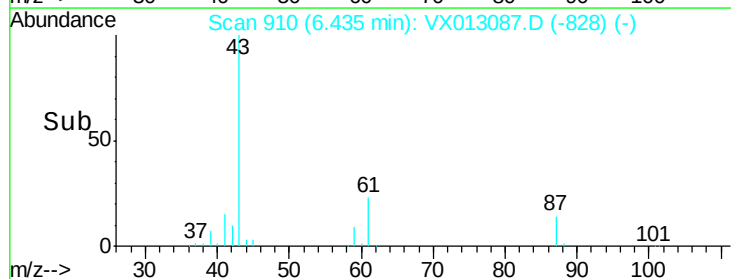
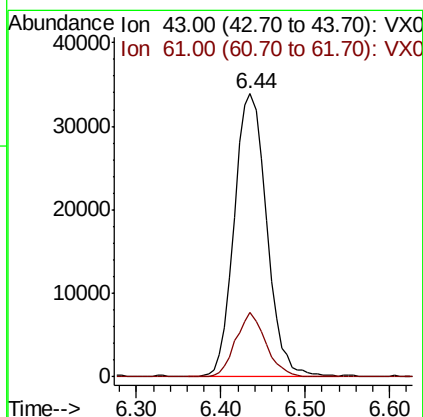
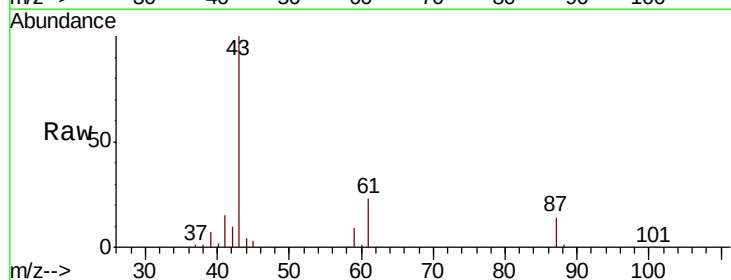
Acq: 16 Oct 2019 10:57

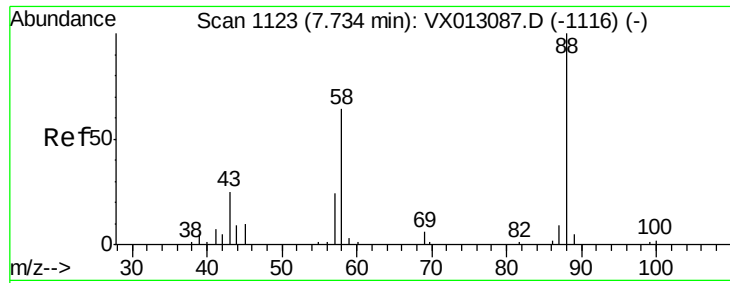
Tgt Ion: 43 Resp: 88410

Ion Ratio Lower Upper

43 100

61 20.9 16.7 25.1





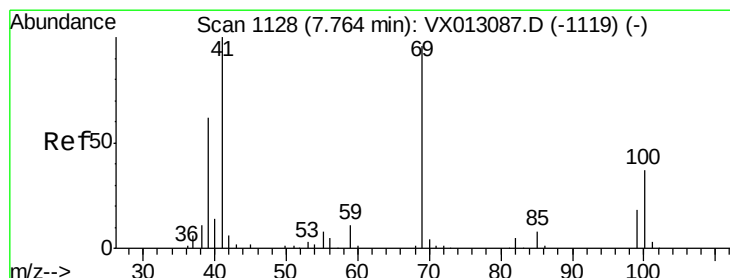
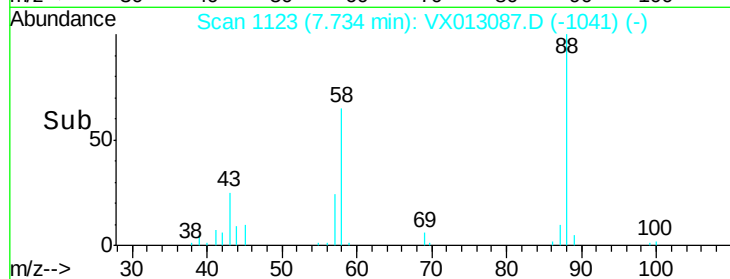
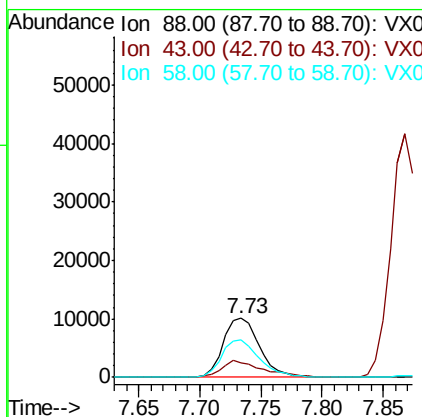
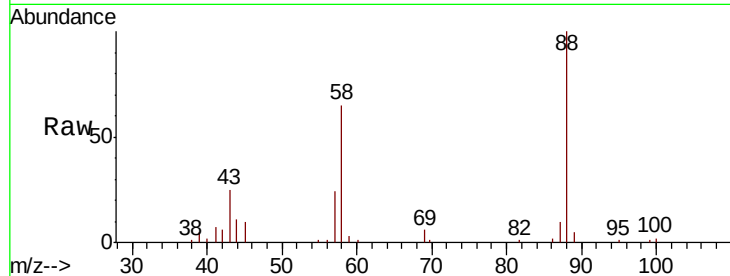
#45
1,4-Dioxane
Concen: 400.509 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX013087.D
Acq: 16 Oct 2019 10:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.5	26.0	39.0
58	66.2	53.0	79.4

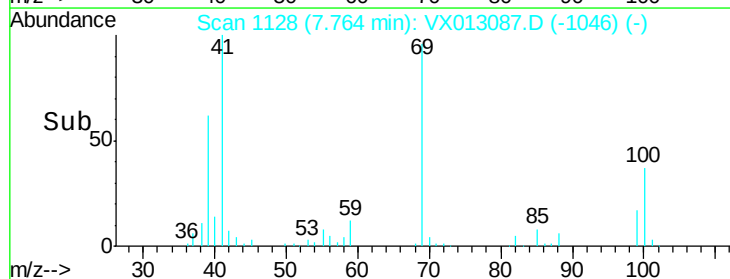
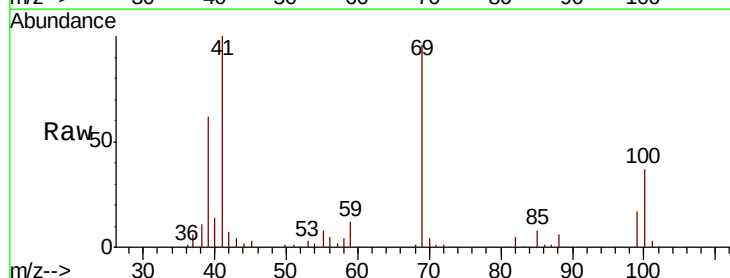
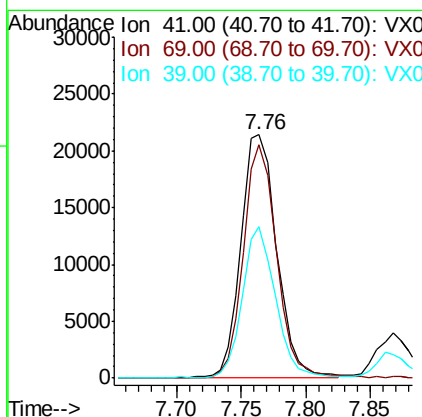
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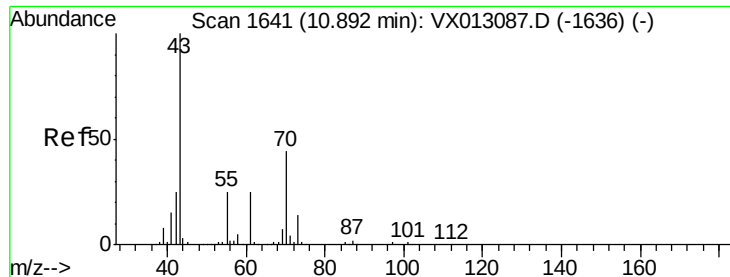
MMDadoda
10/18/2019 4:51:43 PM



#46
Methyl methacrylate
Concen: 20.751 ug/l
RT: 7.76 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX013087.D
Acq: 16 Oct 2019 10:57

Tgt Ion	Ratio	Lower	Upper
41	100		
69	96.2	48.1	144.3
39	62.4	31.2	93.6





#47

n-amvl Acetate

Concen: 19.245 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX013087.D

Acq: 16 Oct 2019 10:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 43 Resp: 69906

Ion Ratio Lower Upper

43 100

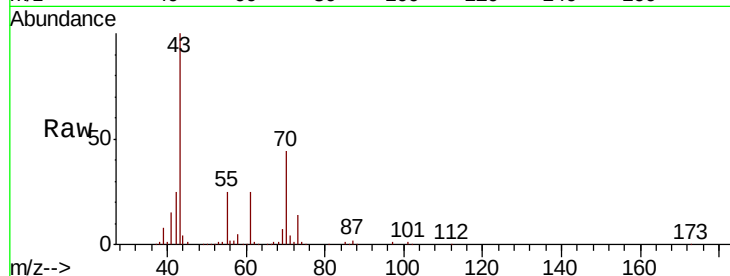
55 25.8 20.6 31.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

60000

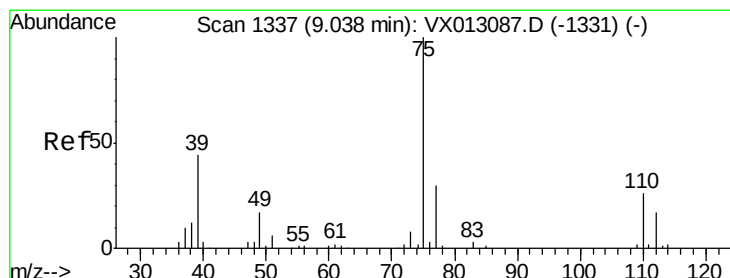
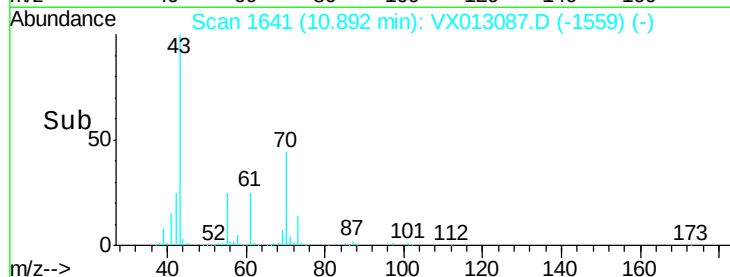
40000

20000

0

10.85 10.90 10.95

Time-->



#48

t-1,3-Dichloropropene

Concen: 20.569 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VX013087.D

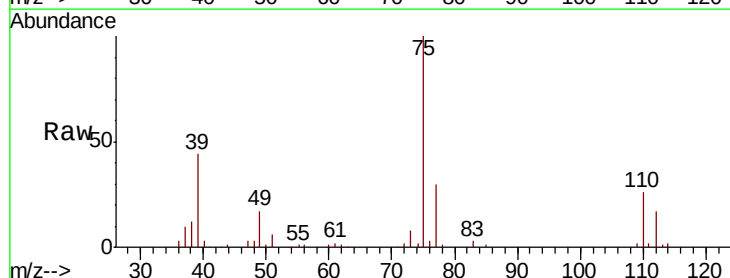
Acq: 16 Oct 2019 10:57

Tgt Ion: 75 Resp: 53654

Ion Ratio Lower Upper

75 100

77 29.6 23.7 35.5



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

40000

30000

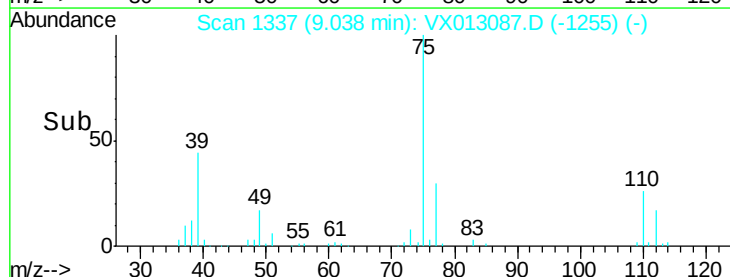
20000

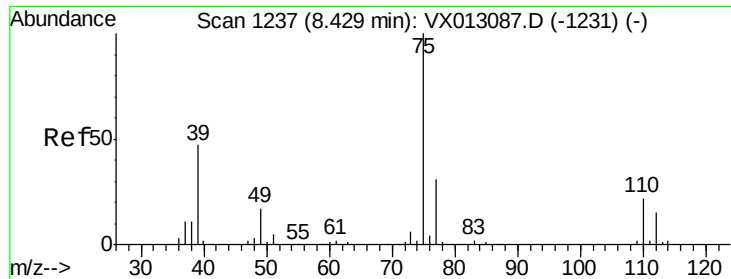
10000

0

9.00 9.05 9.10

Time-->





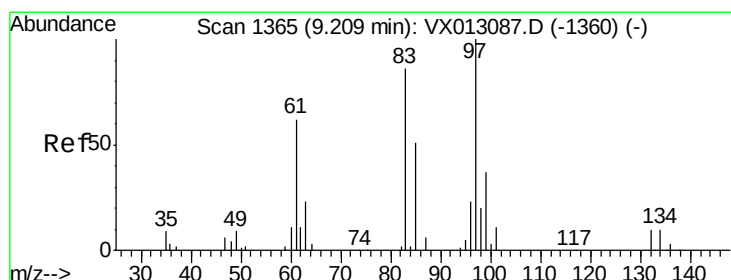
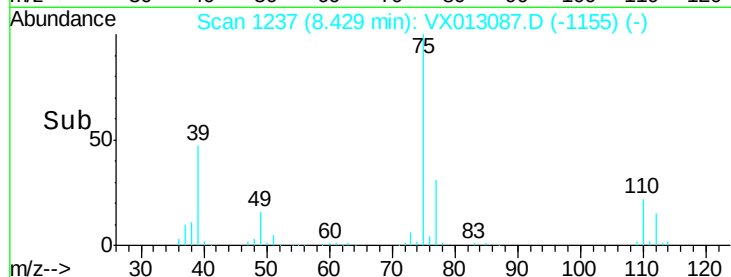
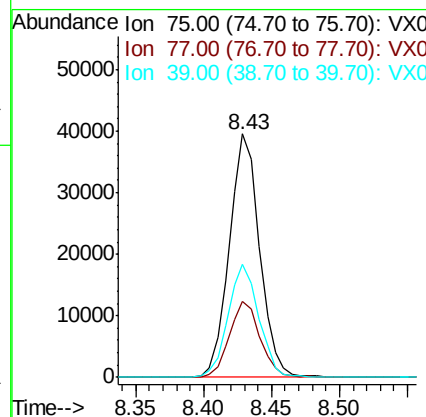
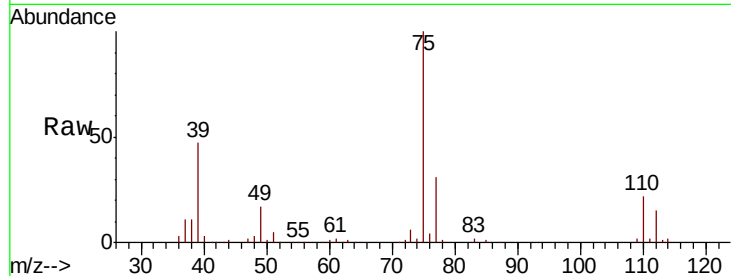
#49
 cis-1,3-Dichloropropene
 Concen: 21.432 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. 0.00 min
 Lab File: VX013087.D
 Acq: 16 Oct 2019 10:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.9	24.7	37.1
39	46.7	37.4	56.0

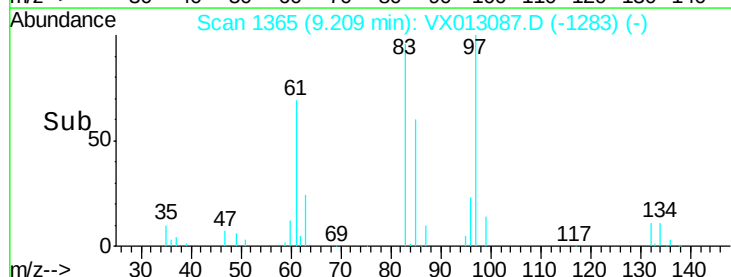
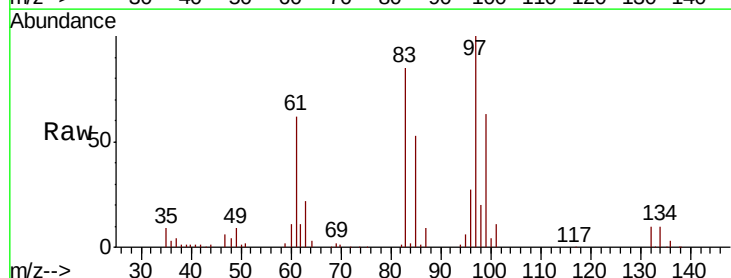
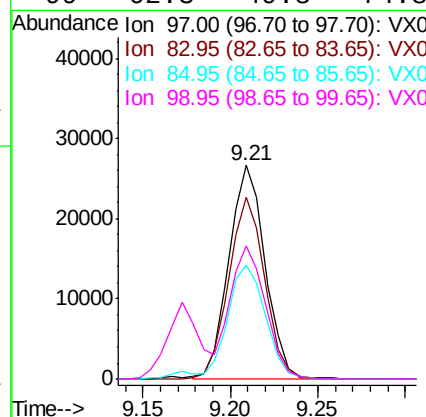
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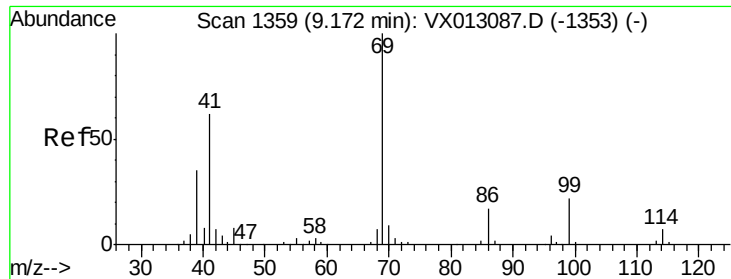
MMDadoda
 10/18/2019 4:51:43 PM



#50
 1,1,2-Trichloroethane
 Concen: 19.852 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX013087.D
 Acq: 16 Oct 2019 10:57

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.1	68.1	102.1
85	53.3	42.6	64.0
99	62.3	49.8	74.8





#51

Ethyl methacrylate

Concen: 19.553 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VX013087.D

Acq: 16 Oct 2019 10:57

Instrument :

MSVOA_X

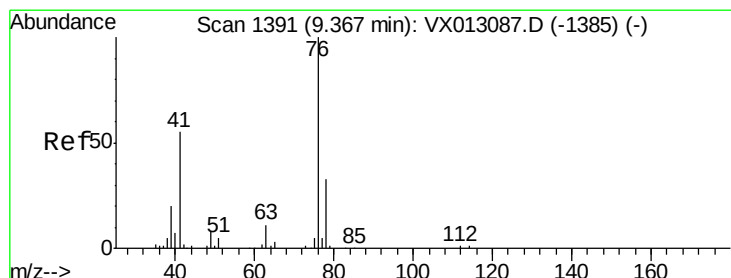
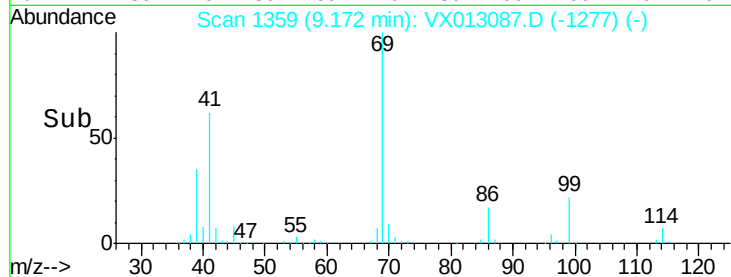
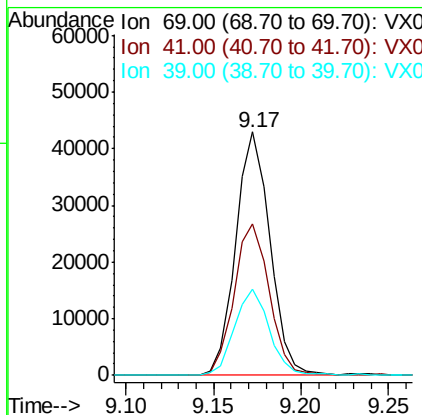
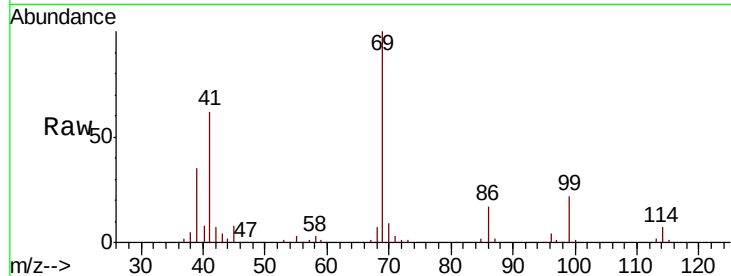
ClientSampleId :

VSTDICCC020

Tot Ion:	69	Resp:	58876
Ion	Ratio	Lower	Upper
69	100		
41	62.2	31.1	93.3
39	35.3	17.6	52.9

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 20.933 ug/l

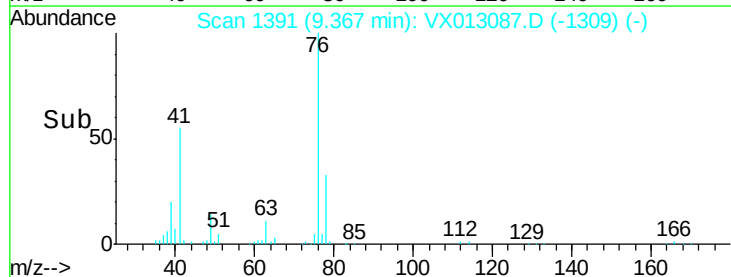
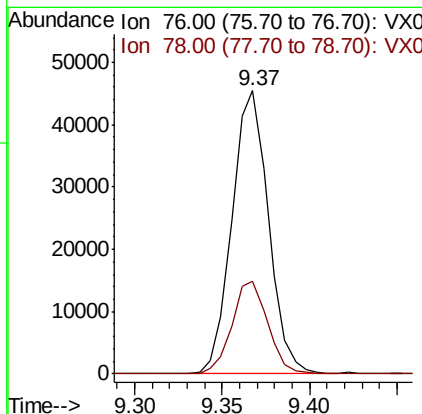
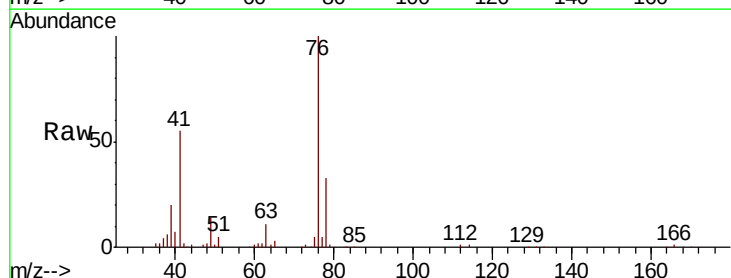
RT: 9.37 min Scan# 1391

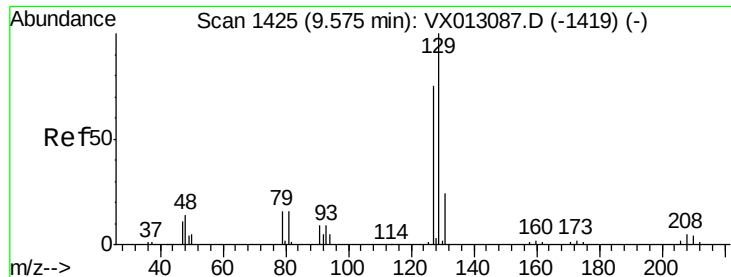
Delta R.T. 0.00 min

Lab File: VX013087.D

Acq: 16 Oct 2019 10:57

Tgt Ion:	76	Resp:	65979
Ion	Ratio	Lower	Upper
76	100		
78	32.1	0.0	64.2





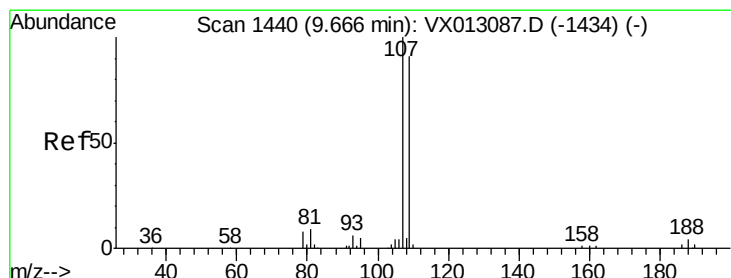
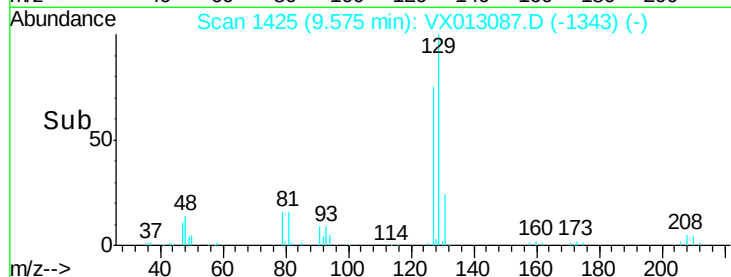
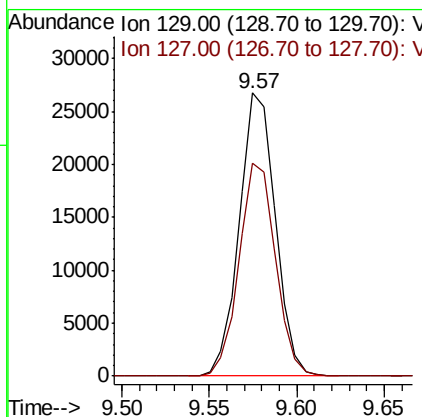
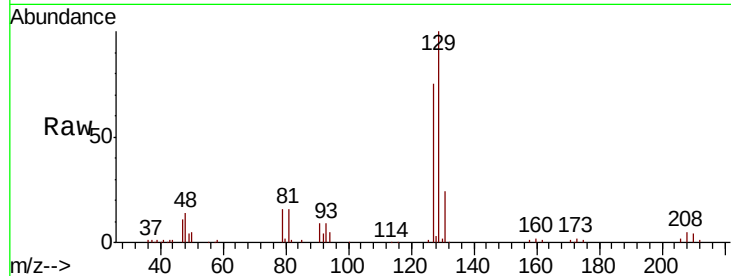
#53
 Dibromochloromethane
 Concen: 18.516 ug/l
 RT: 9.57 min Scan# 1425
 Delta R.T. 0.00 min
 Lab File: VX013087.D
 Acq: 16 Oct 2019 10:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion:129 Resp: 38659
 Ion Ratio Lower Upper
 129 100
 127 75.9 38.0 113.9

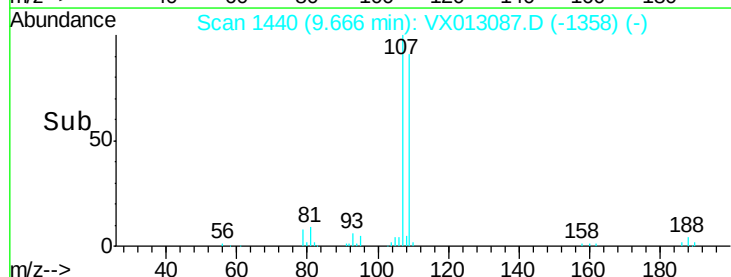
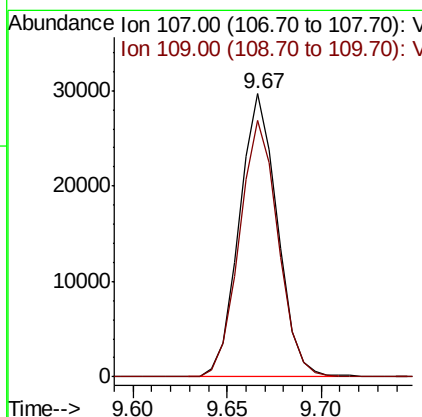
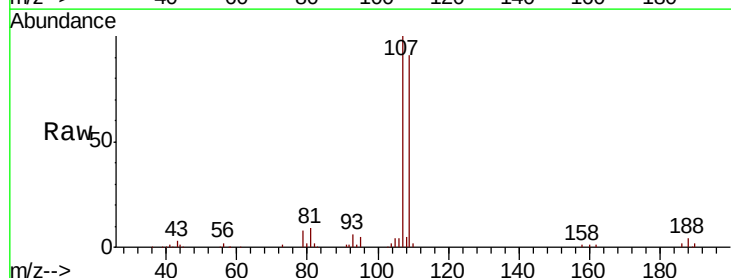
Manual Integrations
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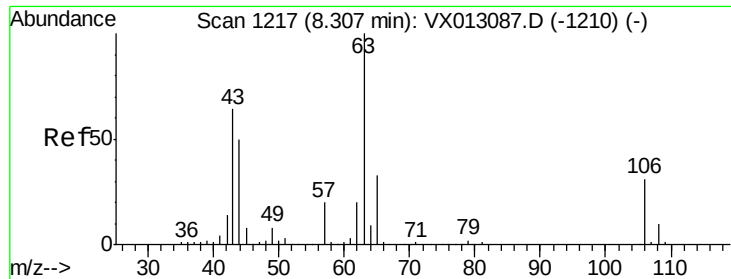
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#54
 1,2-Dibromoethane
 Concen: 19.700 ug/l
 RT: 9.67 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: VX013087.D
 Acq: 16 Oct 2019 10:57

Tgt Ion:107 Resp: 41550
 Ion Ratio Lower Upper
 107 100
 109 92.0 73.6 110.4





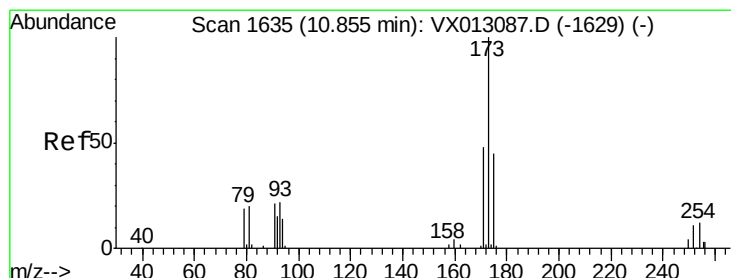
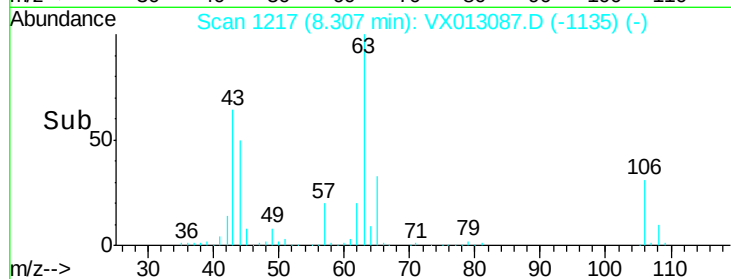
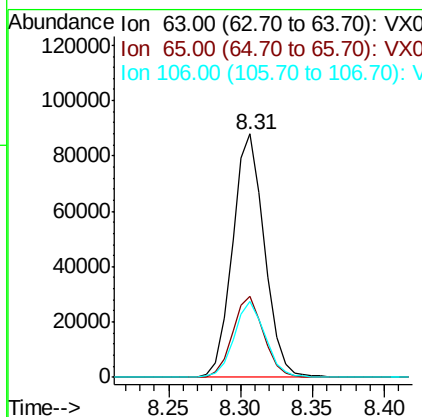
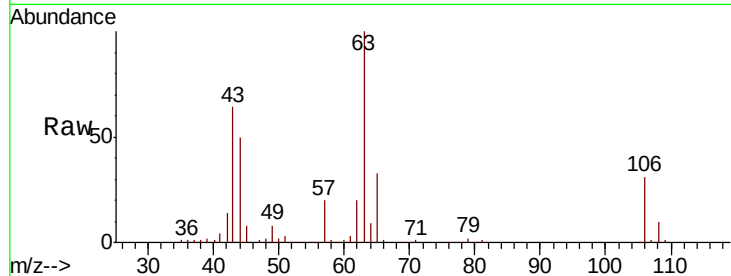
#55
2-Chloroethyl vinyl ether
Concen: 105.406 ug/l
RT: 8.31 min Scan# 1217
Delta R.T. 0.00 min
Lab File: VX013087.D
Acq: 16 Oct 2019 10:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.4	25.9	38.9
106	30.4	24.3	36.5

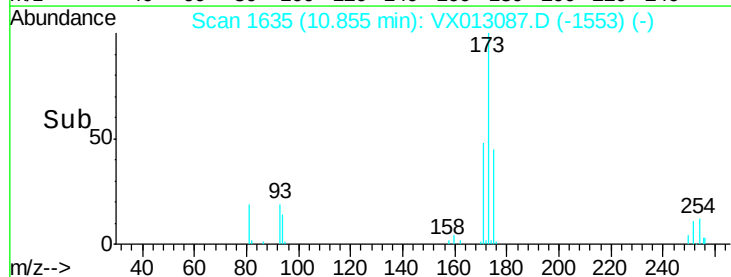
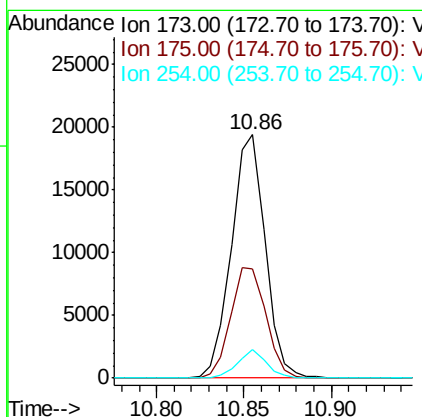
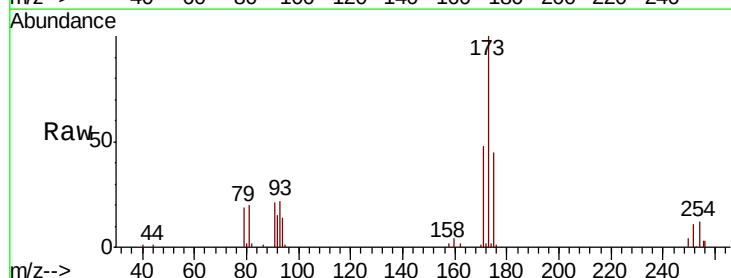
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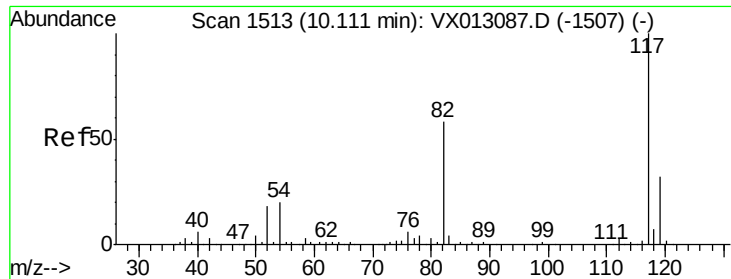
MMDadoda
10/18/2019 4:51:43 PM



#56
Bromoform
Concen: 16.970 ug/l
RT: 10.86 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX013087.D
Acq: 16 Oct 2019 10:57

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.3	37.8	56.8
254	9.9	7.9	11.9





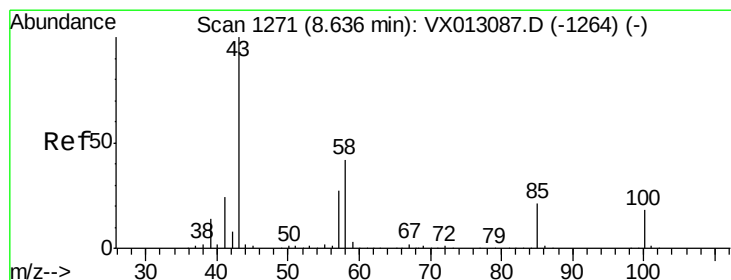
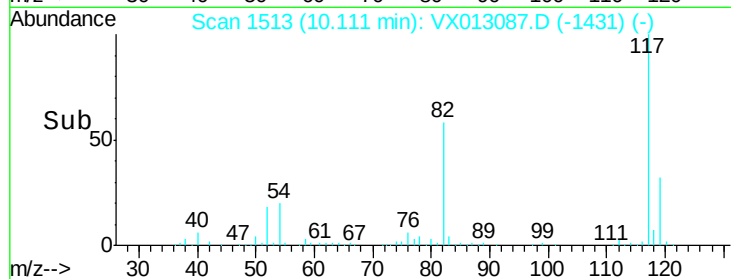
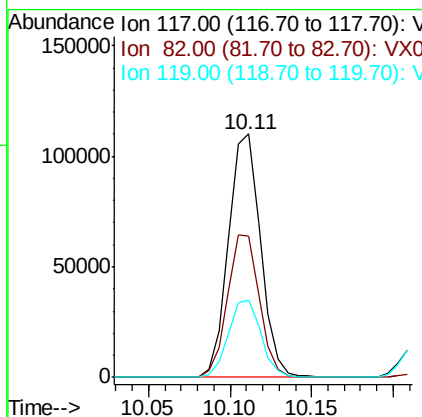
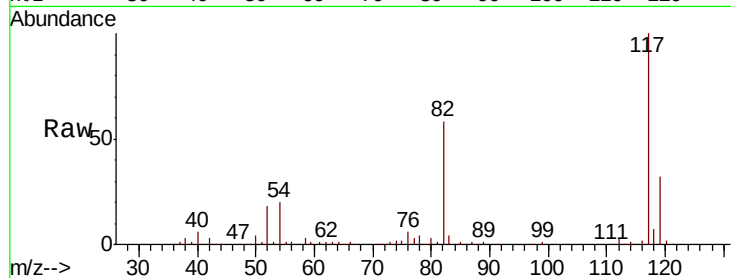
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013087.D
Acq: 16 Oct 2019 10:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.4	46.7	70.1
119	32.2	25.8	38.6

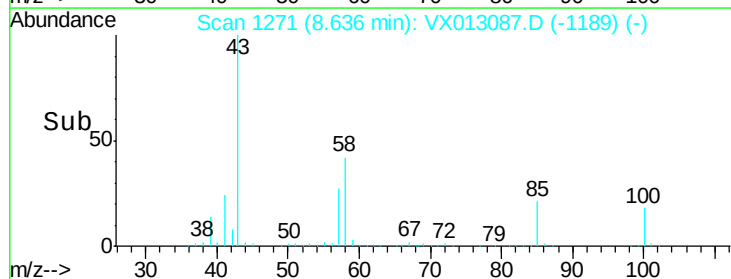
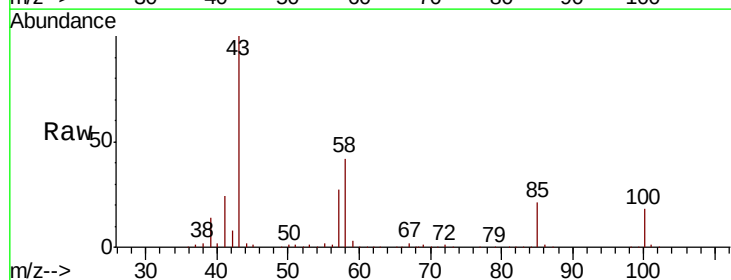
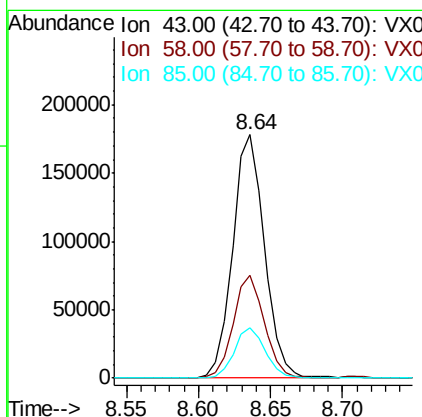
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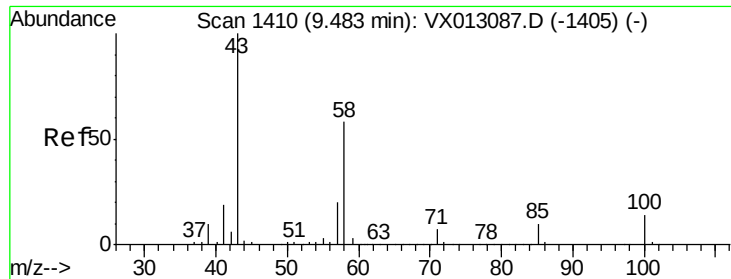
MMDadoda
10/18/2019 4:51:43 PM



#58
4-Methyl-2-Pentanone
Concen: 106.100 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VX013087.D
Acq: 16 Oct 2019 10:57

Tgt Ion	Ratio	Lower	Upper
43	100		
58	41.2	33.0	49.4
85	20.0	16.0	24.0





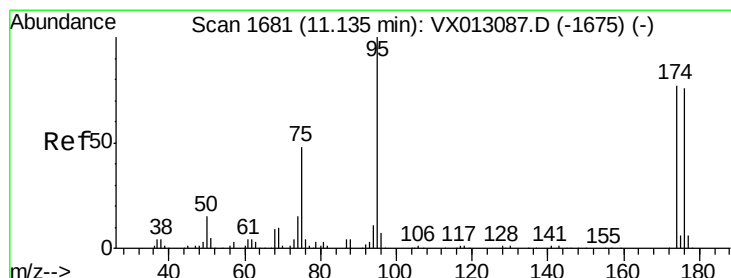
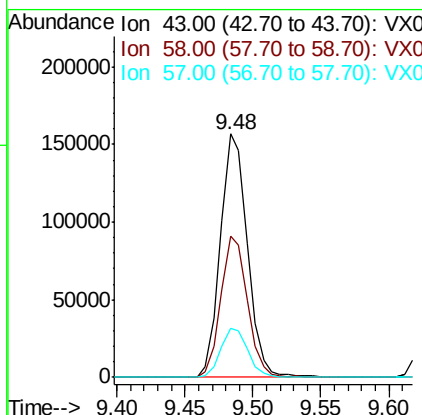
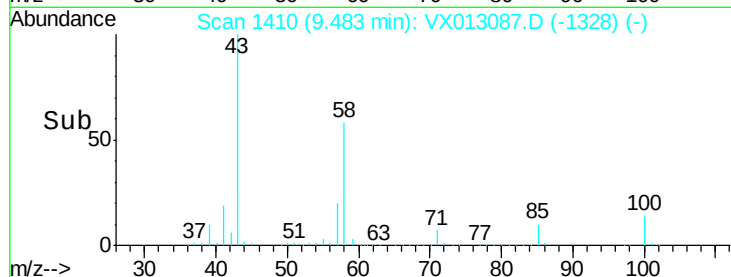
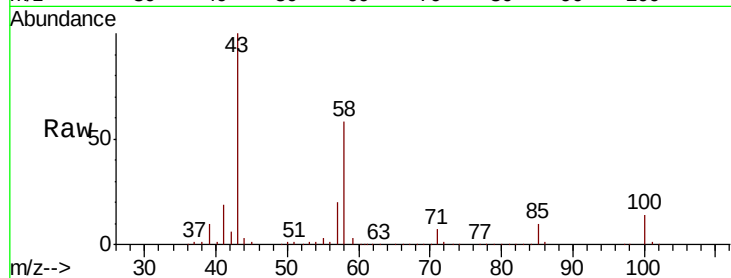
#59
2-Hexanone
Concen: 108.762 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. 0.00 min
Lab File: VX013087.D
Acq: 16 Oct 2019 10:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.8	45.4	68.2
57	20.2	16.2	24.2

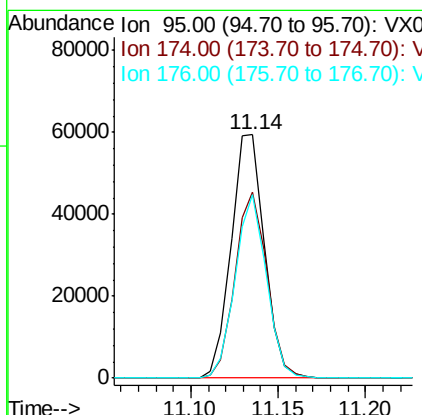
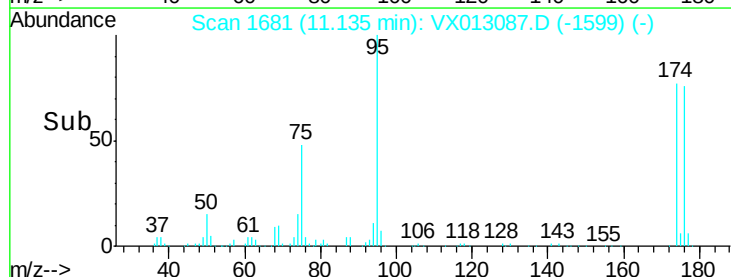
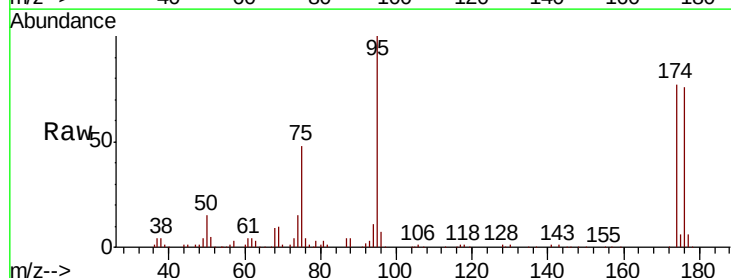
Manual Integrations
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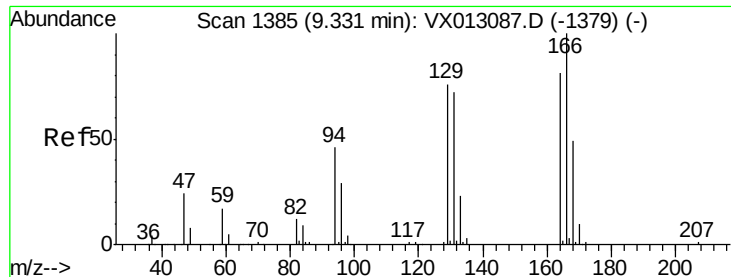
MMDadoda
10/18/2019 4:51:43 PM



#60
4-Bromofluorobenzene
Concen: 31.130 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX013087.D
Acq: 16 Oct 2019 10:57

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.5	58.8	88.2
176	70.7	56.6	84.8





#61

Tetrachloroethene

Concen: 20.393 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VX013087.D

Acq: 16 Oct 2019 10:57

Instrument :

MSVOA_X

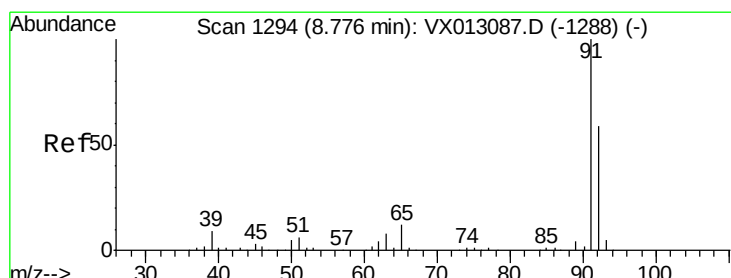
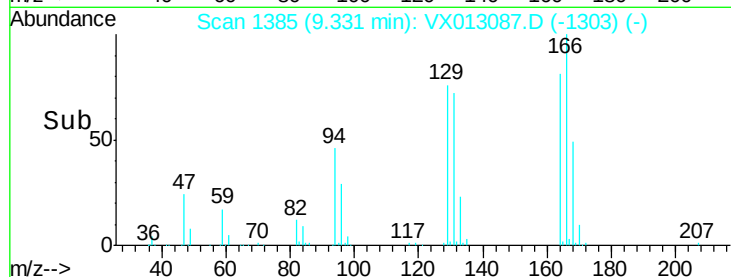
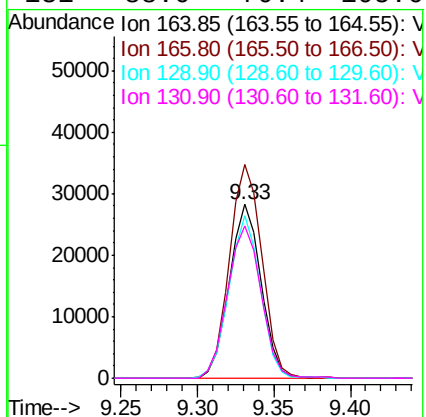
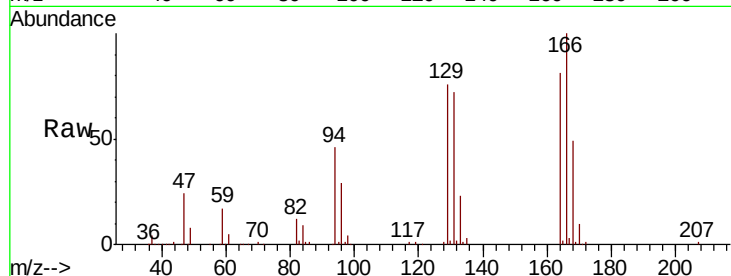
ClientSampleId :

VSTDICCC020

Tot Ion:	164	Resp:	40600
Ion	Ratio	Lower	Upper
164	100		
166	123.0	98.4	147.6
129	94.0	75.2	112.8
131	88.0	70.4	105.6

Manual Integrations
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#62

Toluene

Concen: 20.360 ug/l

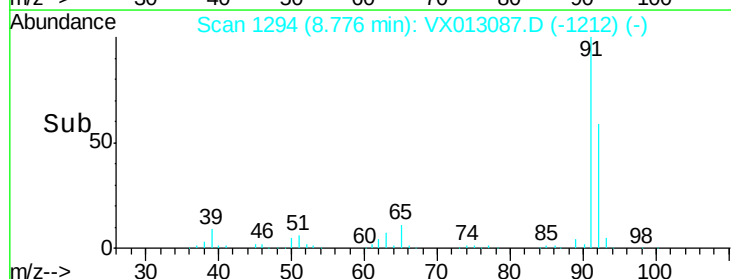
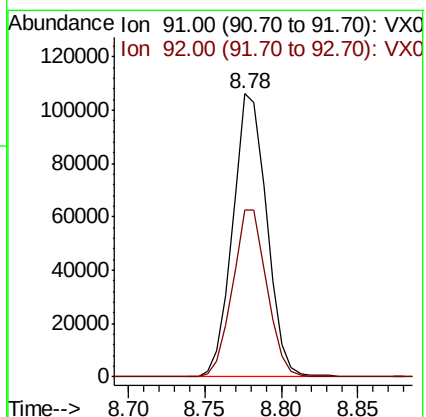
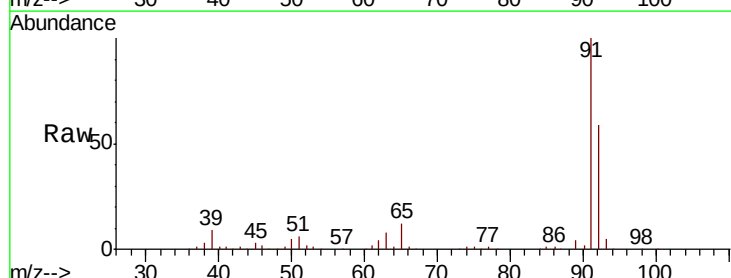
RT: 8.78 min Scan# 1294

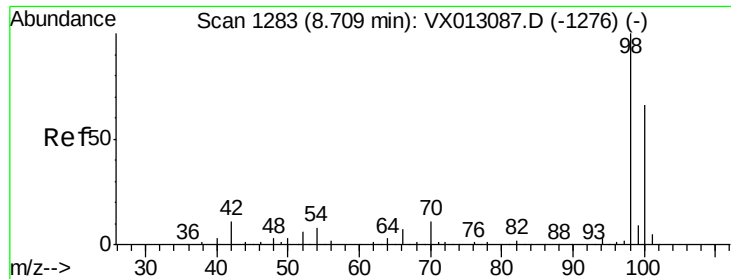
Delta R.T. 0.00 min

Lab File: VX013087.D

Acq: 16 Oct 2019 10:57

Tgt Ion:	91	Resp:	163900
Ion	Ratio	Lower	Upper
91	100		
92	59.5	47.6	71.4





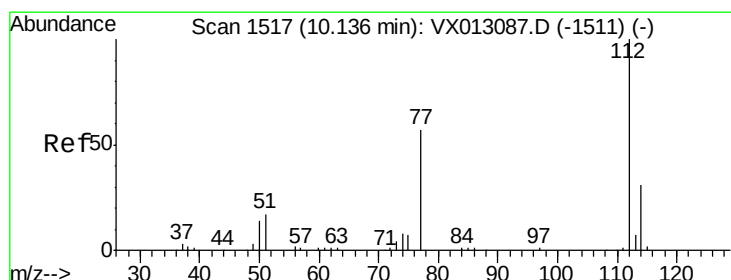
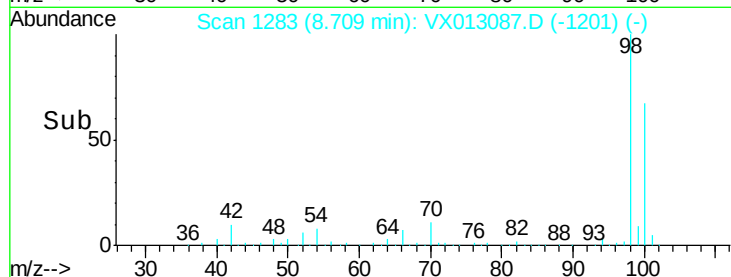
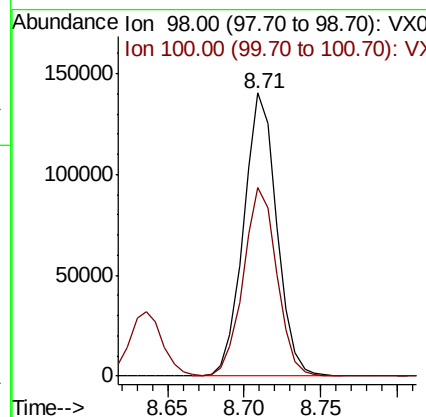
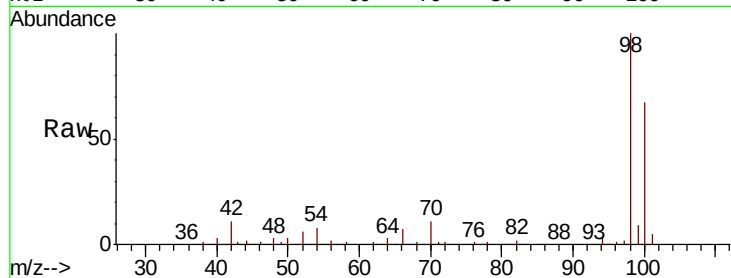
#63
Toluene-d8
Concen: 31.500 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013087.D
Acq: 16 Oct 2019 10:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion: 98 Resp: 210871
Ion Ratio Lower Upper
98 100
100 67.2 53.8 80.6

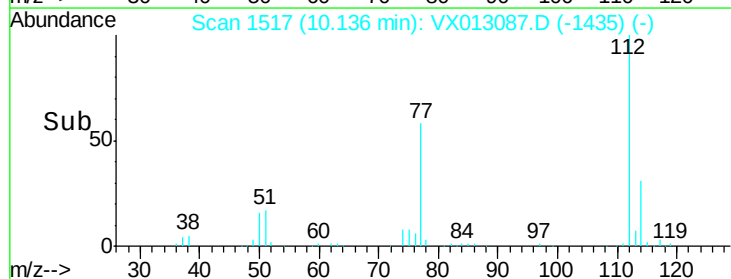
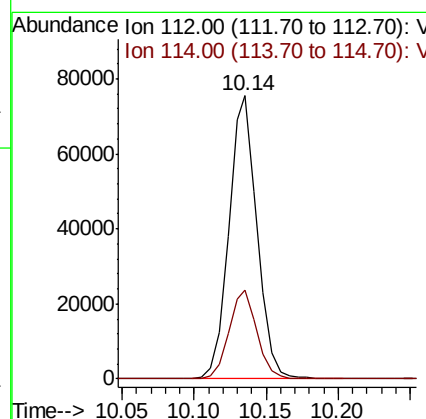
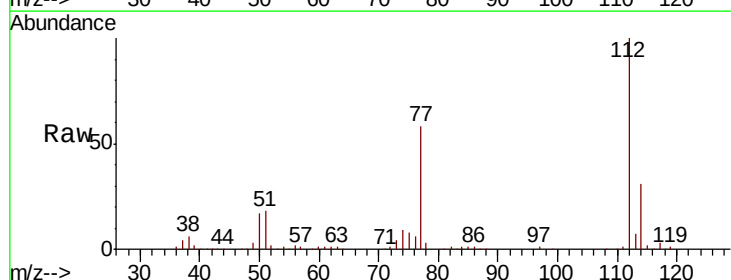
Manual Integrations
APPROVED

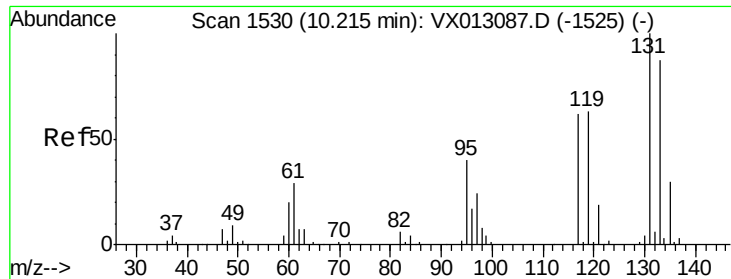
MMDadoda
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#64
Chlorobenzene
Concen: 20.031 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX013087.D
Acq: 16 Oct 2019 10:57

Tgt Ion: 112 Resp: 103203
Ion Ratio Lower Upper
112 100
114 31.5 25.2 37.8





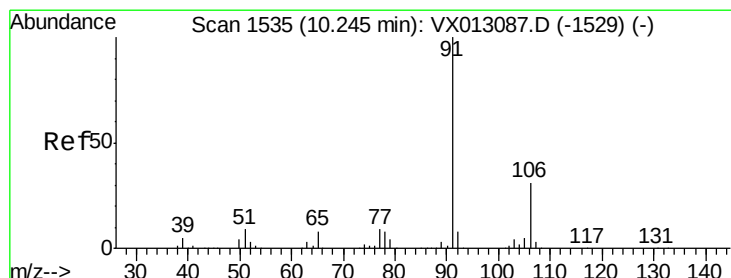
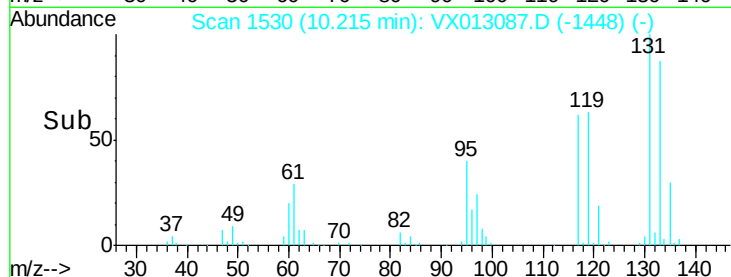
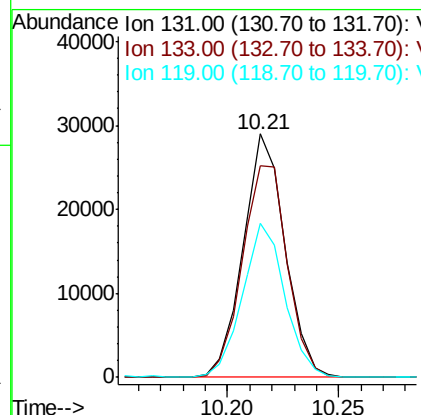
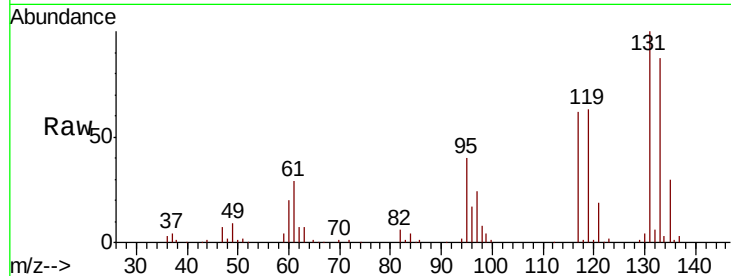
#65
 1,1,1,2-Tetrachloroethane
 Concen: 20.143 ug/l
 RT: 10.21 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VX013087.D
 Acq: 16 Oct 2019 10:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
131	100	37955		
133	93.9	0.0	187.8	
119	64.2	0.0	128.4	

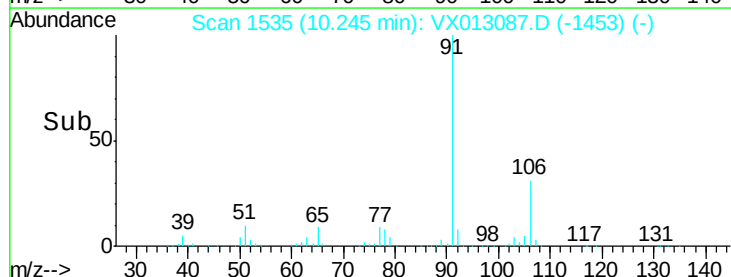
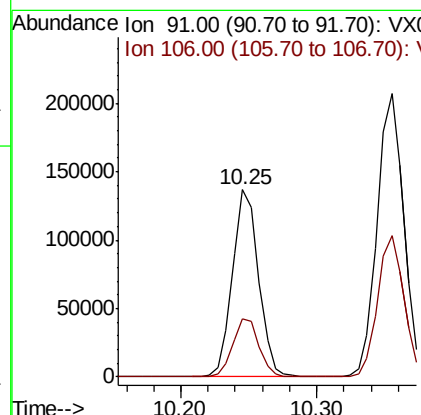
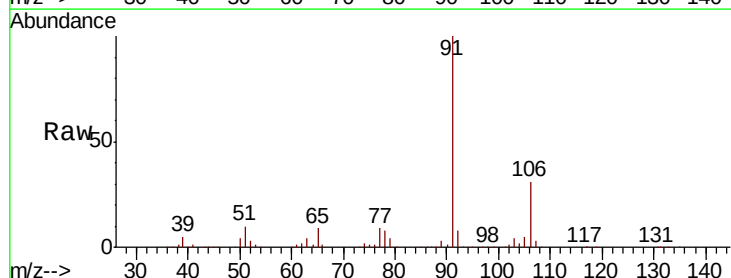
Manual Integrations
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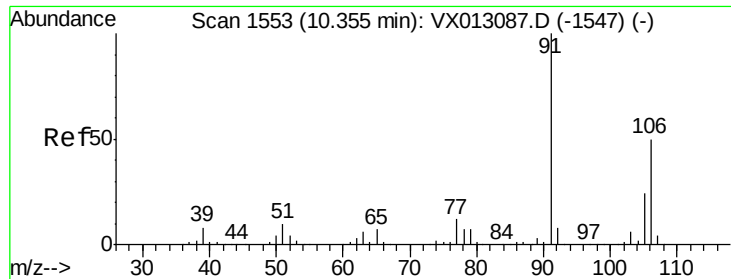
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#66
 Ethyl Benzene
 Concen: 20.122 ug/l
 RT: 10.25 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VX013087.D
 Acq: 16 Oct 2019 10:57

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	182282		
106	31.2	25.0	37.4	





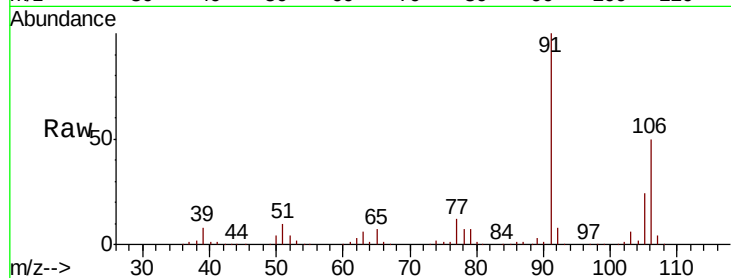
#67
m/p-Xylenes
Concen: 40.238 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX013087.D
Acq: 16 Oct 2019 10:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

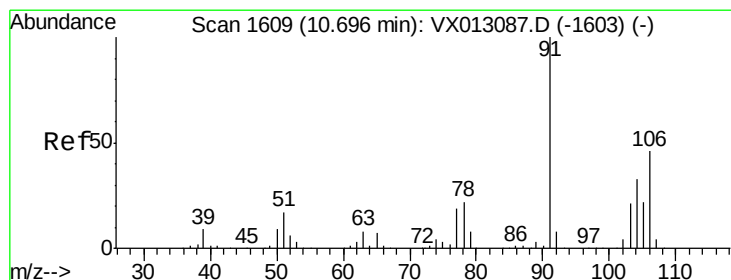
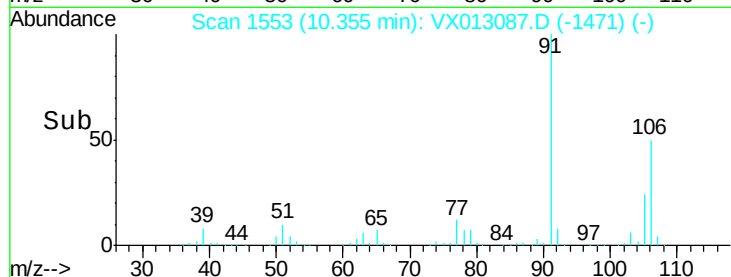
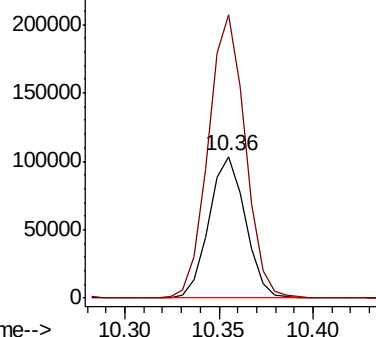
Tot Ion:106 Resp: 138828
Ion Ratio Lower Upper
106 100
91 203.2 162.6 243.8

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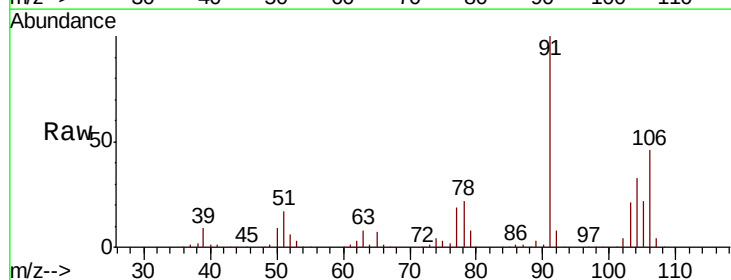


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

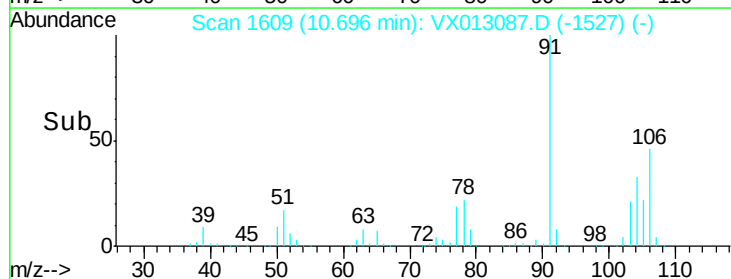
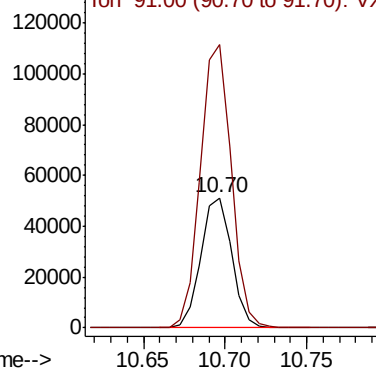


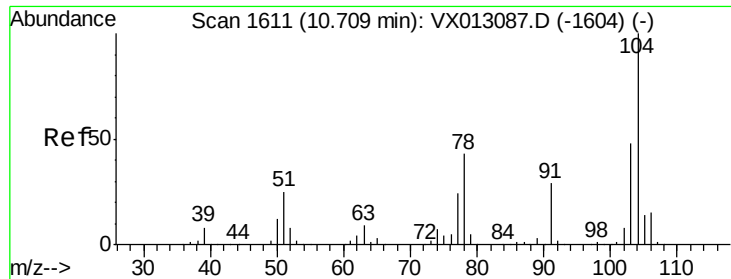
#68
o-Xylene
Concen: 19.922 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX013087.D
Acq: 16 Oct 2019 10:57

Tgt Ion:106 Resp: 67445
Ion Ratio Lower Upper
106 100
91 218.2 109.1 327.3



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





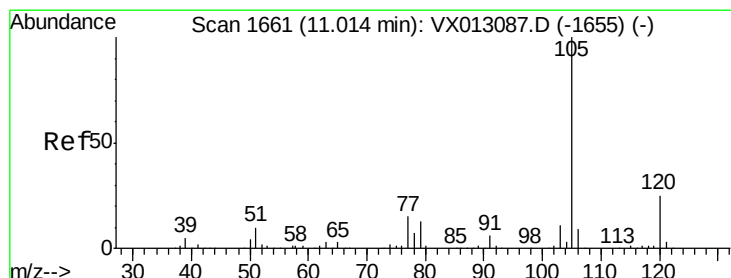
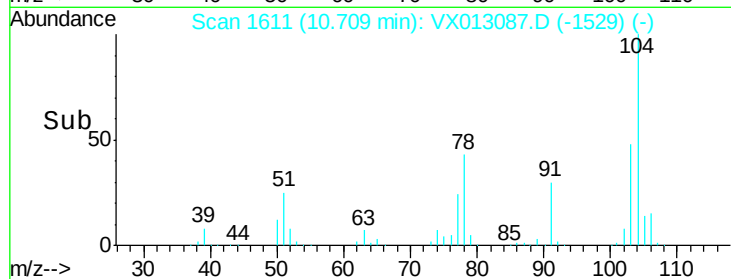
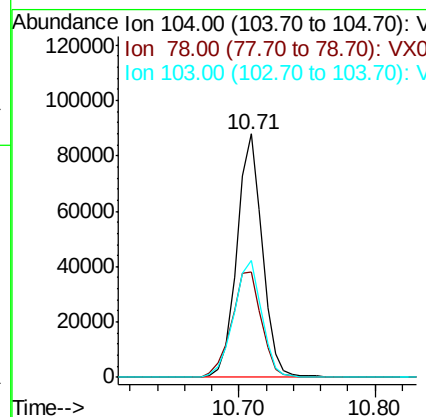
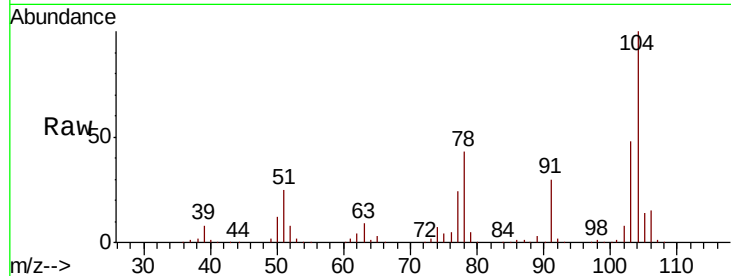
#69
Stvrene
Concen: 19.954 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX013087.D
Acq: 16 Oct 2019 10:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
104	100	113980		
78	51.2		41.0	61.4
103	53.5		42.8	64.2

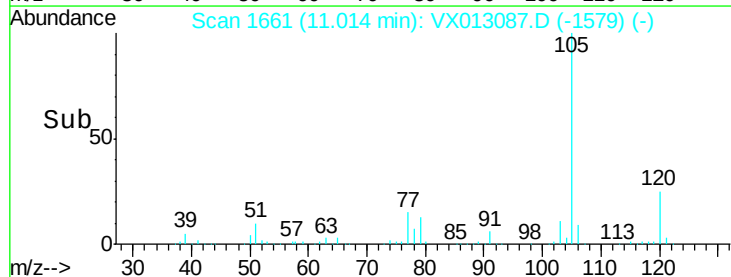
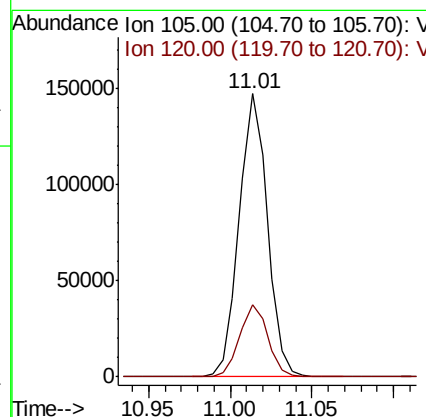
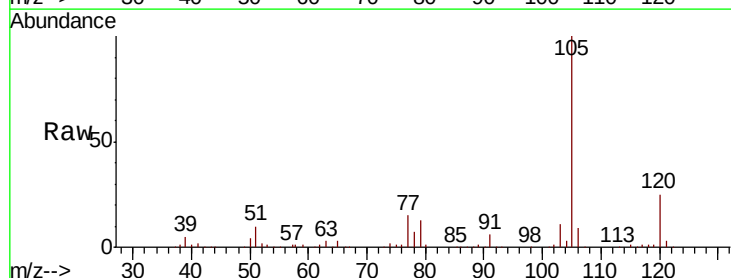
Manual Integrations
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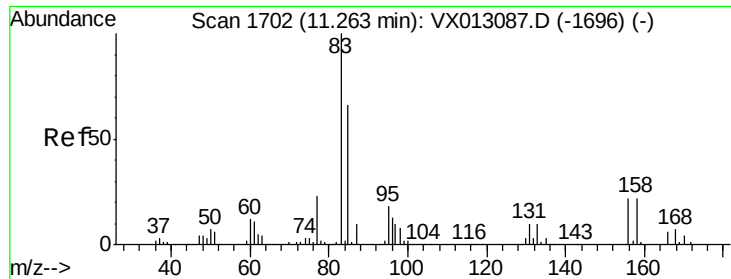
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#70
Isopropylbenzene
Concen: 19.729 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX013087.D
Acq: 16 Oct 2019 10:57

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	177934		
120	25.6		17.9	33.3





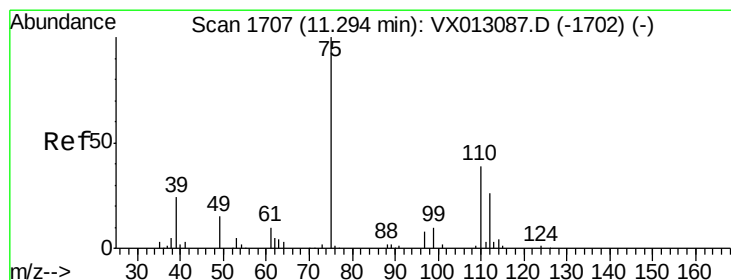
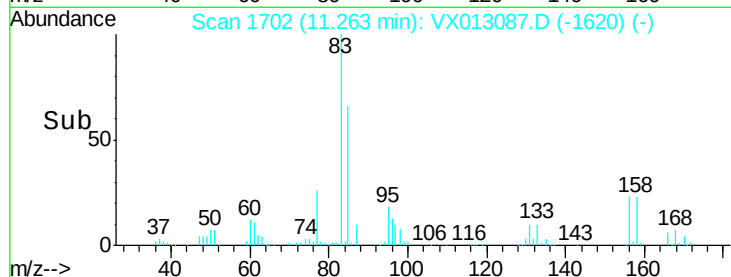
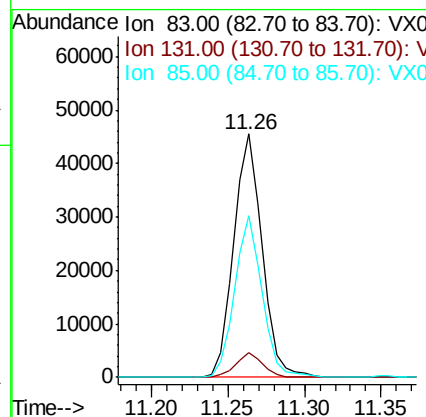
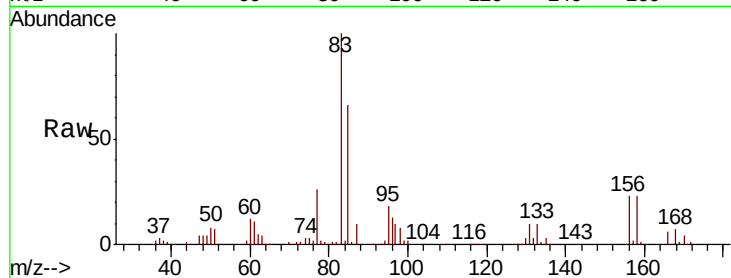
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.106 ug/l
 RT: 11.26 min Scan# 1702
 Delta R.T. 0.00 min
 Lab File: VX013087.D
 Acq: 16 Oct 2019 10:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	9.7	4.9	14.6	
85	63.9	31.9	95.9	

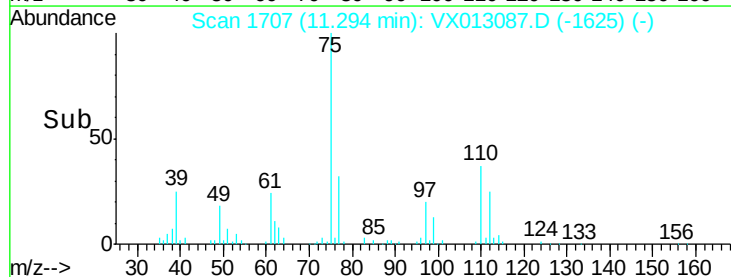
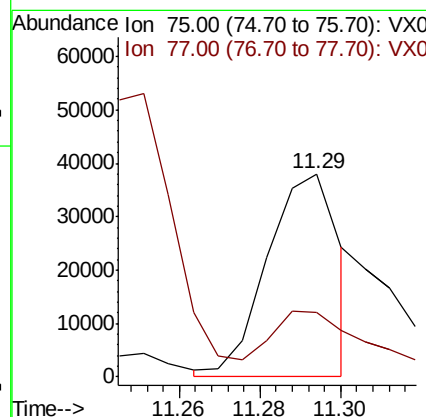
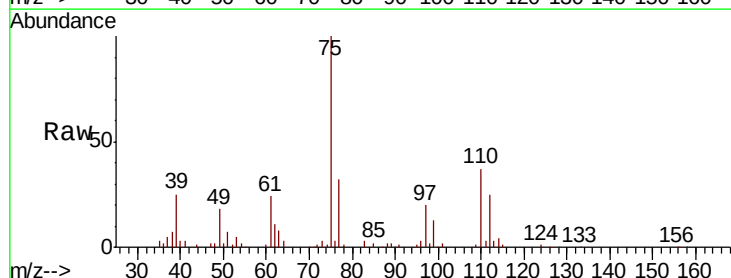
Manual Integrations
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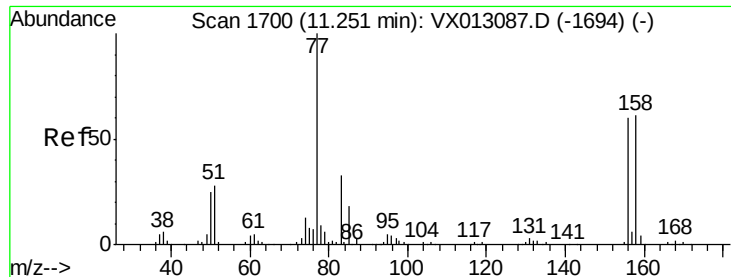
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#72
 1,2,3-Trichloropropane
 Concen: 19.401 ug/l m
 RT: 11.29 min Scan# 1707
 Delta R.T. 0.00 min
 Lab File: VX013087.D
 Acq: 16 Oct 2019 10:57

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	43.9	0.0	87.8	





#73

Bromobenzene

Concen: 17.615 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX013087.D

Acq: 16 Oct 2019 10:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion:156 Resp: 41749

Ion Ratio Lower Upper

156 100

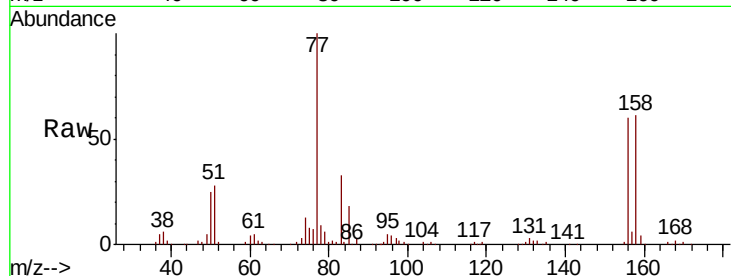
77 172.0 0.0 344.0

158 97.8 0.0 195.6

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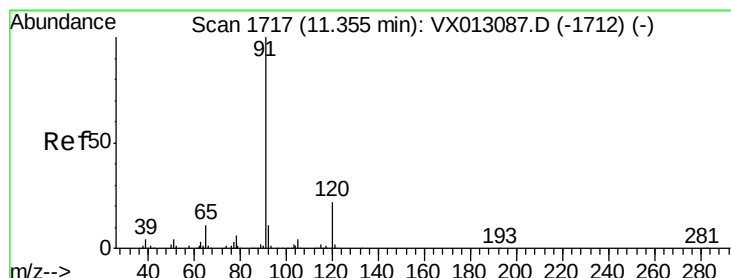
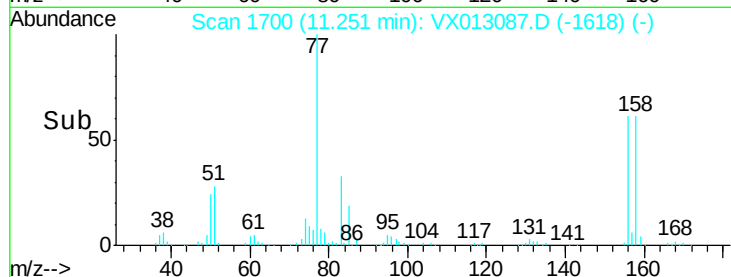
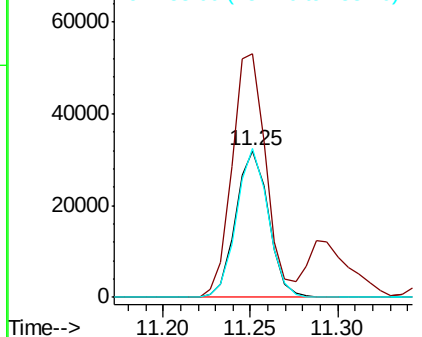
10/18/2019 4:51:43 PM



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.689 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX013087.D

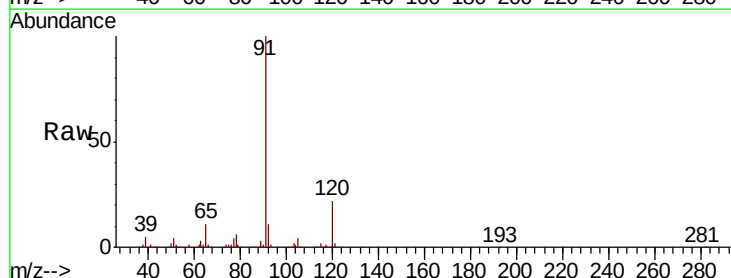
Acq: 16 Oct 2019 10:57

Tgt Ion: 91 Resp: 200003

Ion Ratio Lower Upper

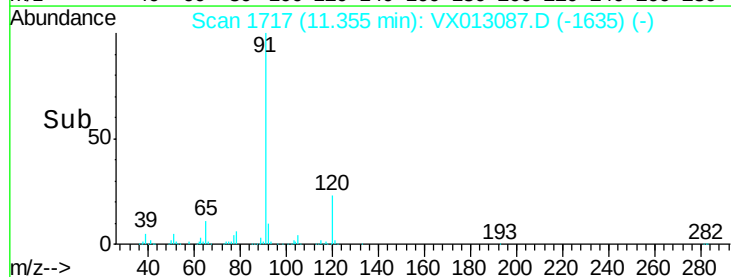
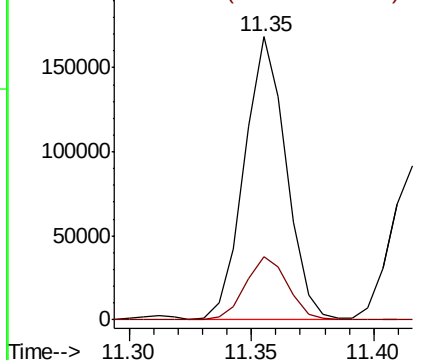
91 100

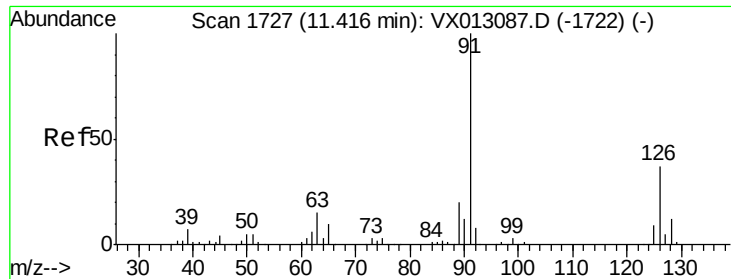
120 22.5 0.0 45.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.710 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX013087.D

Acq: 16 Oct 2019 10:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 91 Resp: 119341

Ion Ratio Lower Upper

91 100

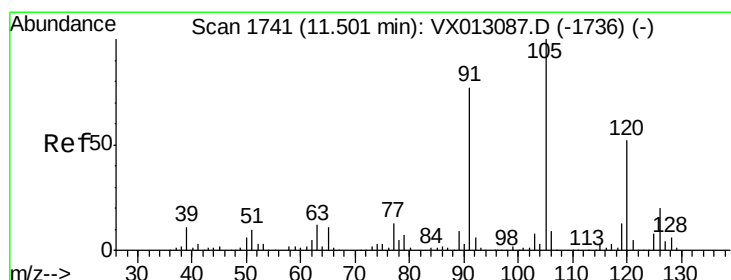
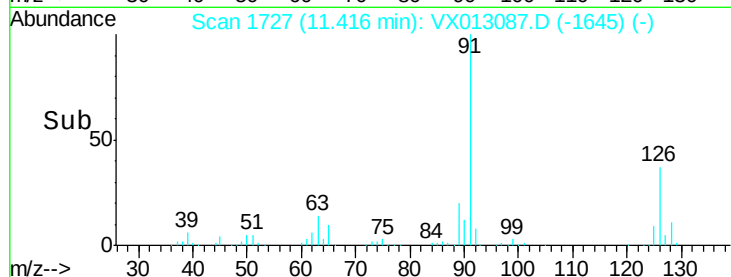
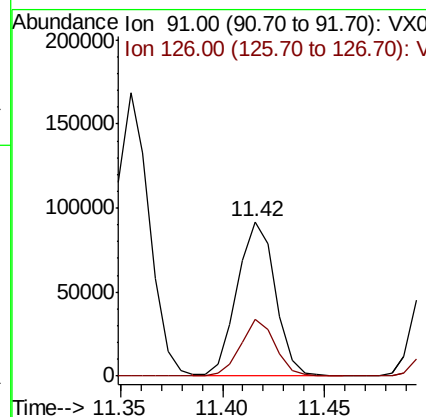
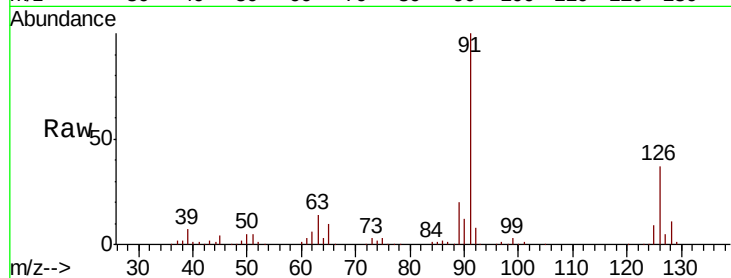
126 33.0 0.0 66.0

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 19.663 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX013087.D

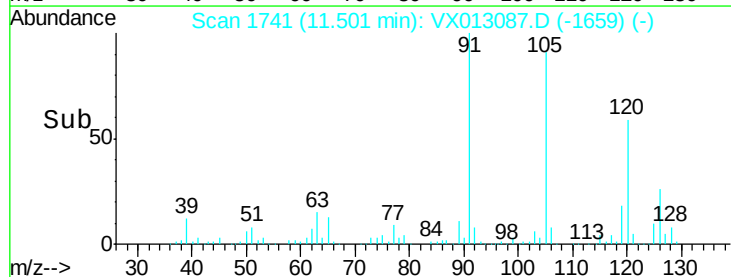
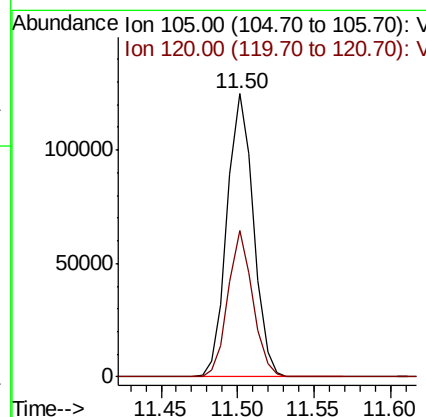
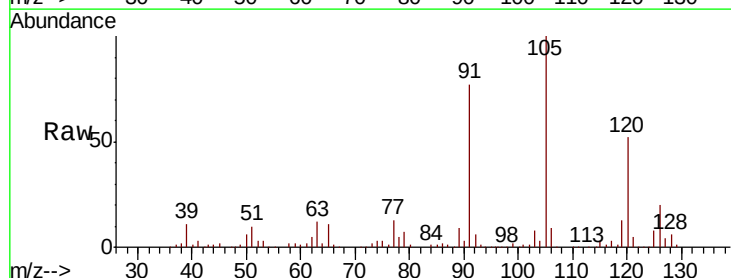
Acq: 16 Oct 2019 10:57

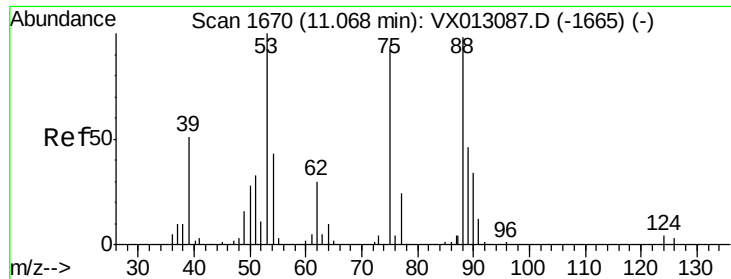
Tgt Ion: 105 Resp: 149833

Ion Ratio Lower Upper

105 100

120 48.3 0.0 96.6





#77

t-1,4-Dichloro-2-butene

Concen: 20.316 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX013087.D

Acq: 16 Oct 2019 10:57

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC020

Tot Ion: 75 Resp: 16934

Ion Ratio Lower Upper

75 100

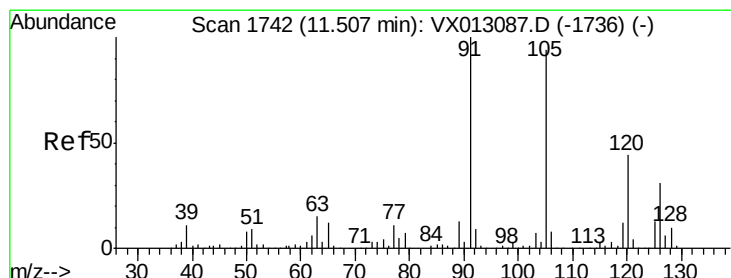
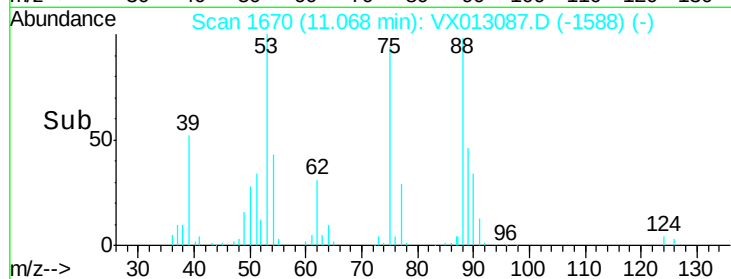
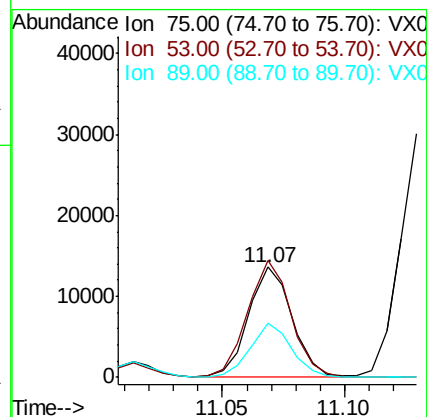
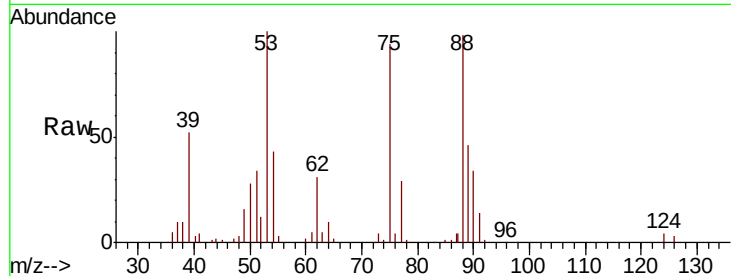
53 106.3 53.1 159.4

89 49.2 24.6 73.8

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10/18/2019 4:51:43 PM



#78

4-Chlorotoluene

Concen: 19.787 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX013087.D

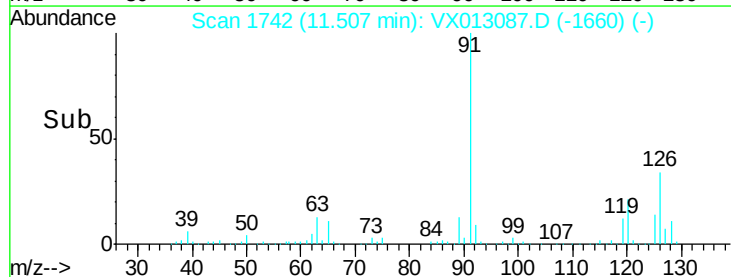
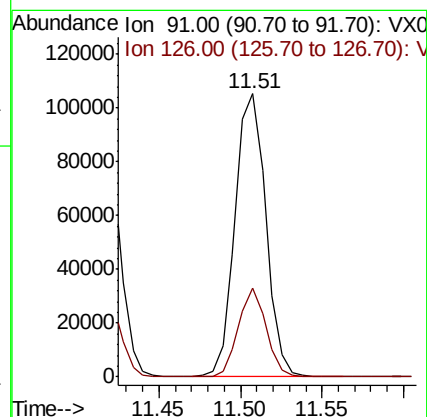
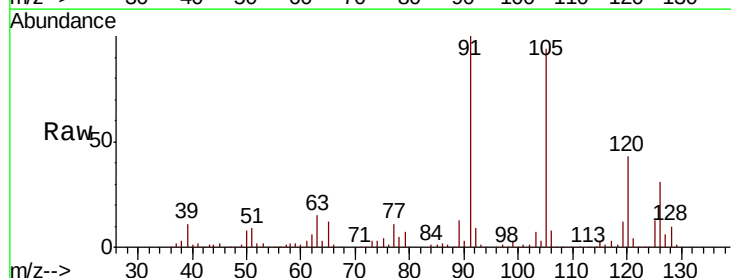
Acq: 16 Oct 2019 10:57

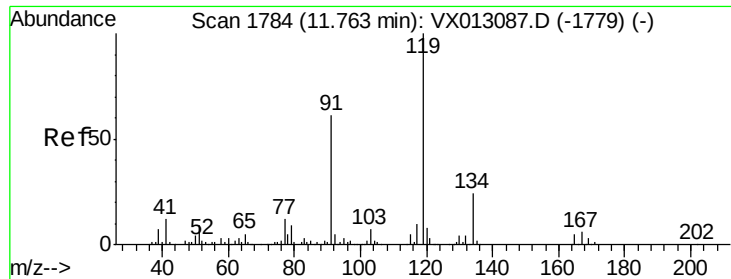
Tgt Ion: 91 Resp: 138060

Ion Ratio Lower Upper

91 100

126 28.5 0.0 57.0





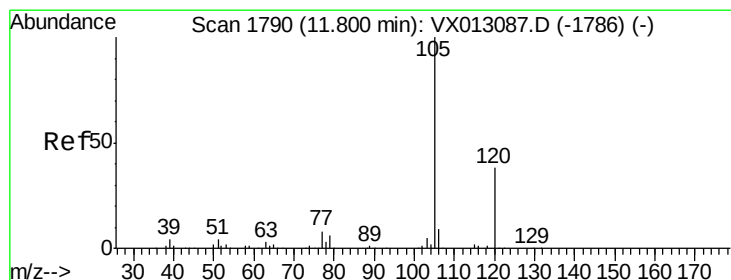
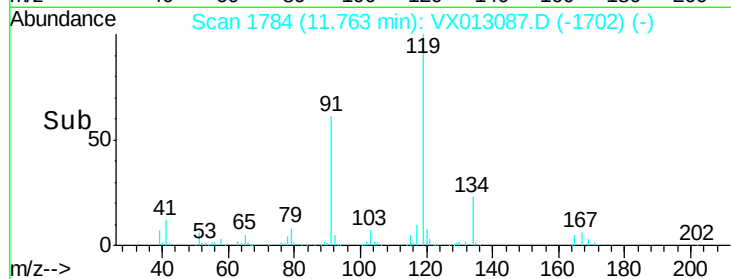
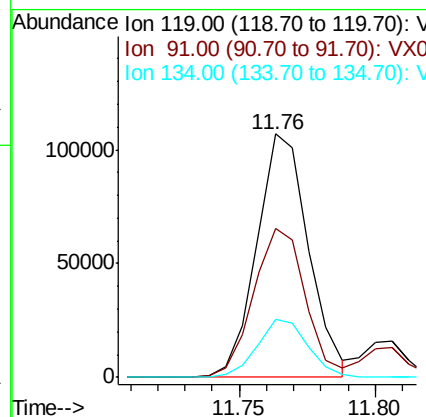
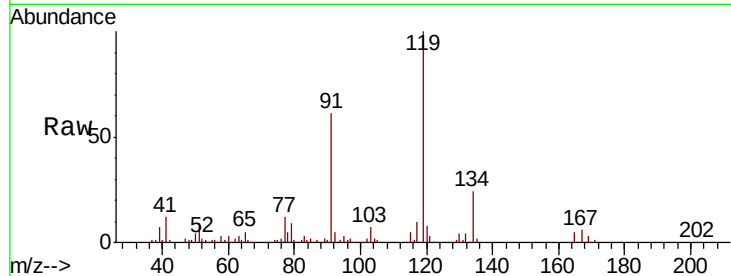
#79
tert-butylbenzene
Concen: 19.150 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. 0.00 min
Lab File: VX013087.D
Acq: 16 Oct 2019 10:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	141145		
91	61.1	0.0	122.2	
134	23.3	0.0	46.6	

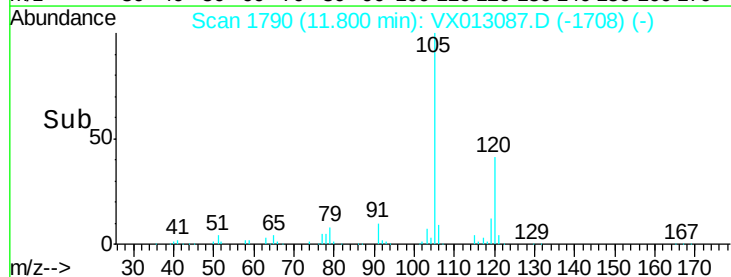
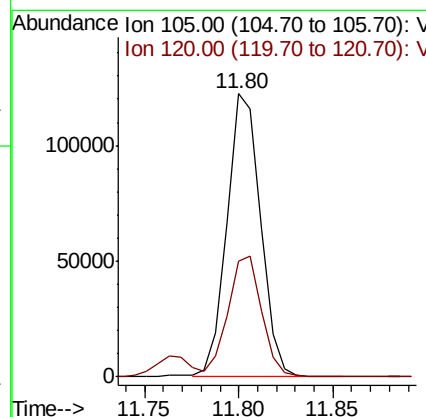
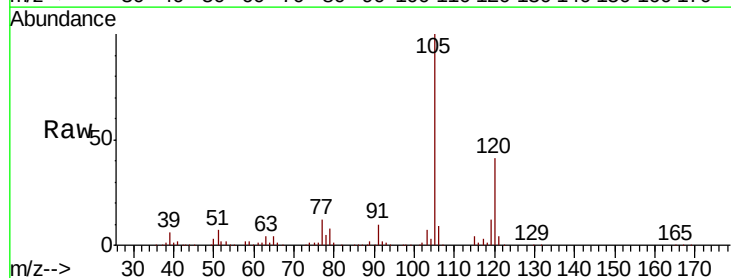
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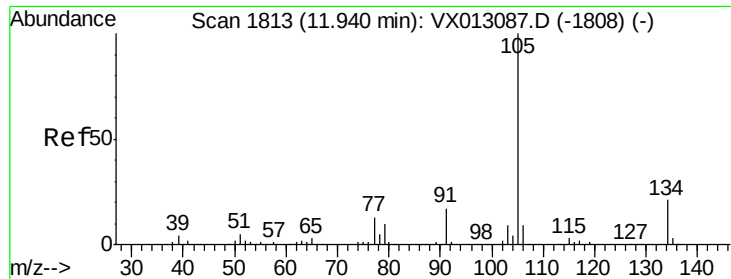
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#80
1,2,4-Trimethylbenzene
Concen: 19.705 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. 0.00 min
Lab File: VX013087.D
Acq: 16 Oct 2019 10:57

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	151407		
120	42.9	0.0	85.8	





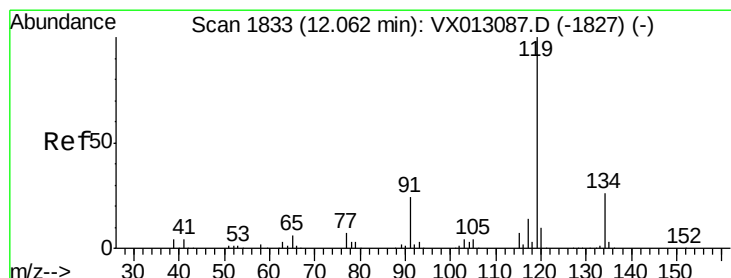
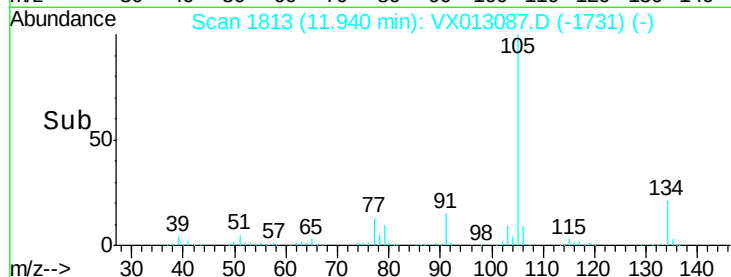
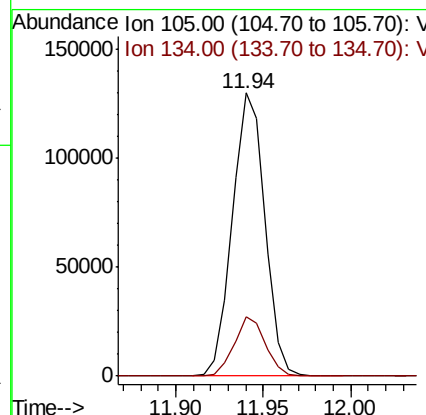
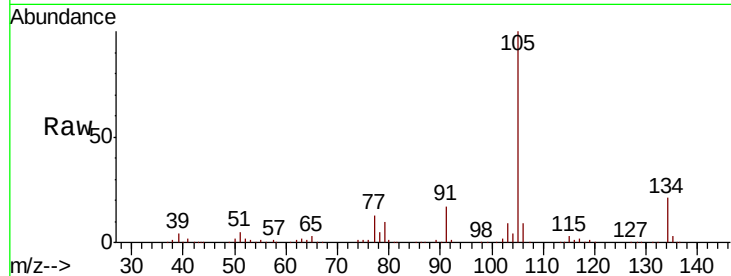
#81
 sec-Butylbenzene
 Concen: 19.356 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX013087.D
 Acq: 16 Oct 2019 10:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
105	100	168146		
134	19.8	0.0	39.6	

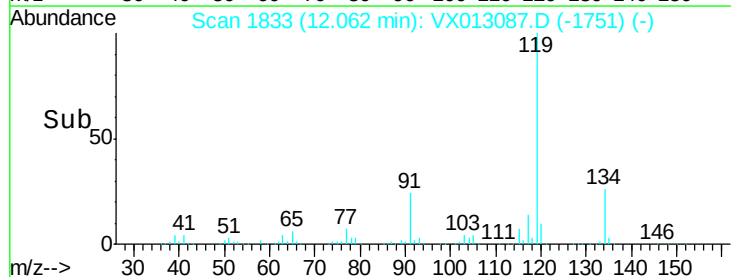
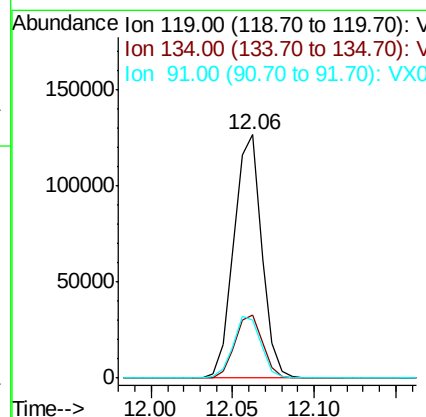
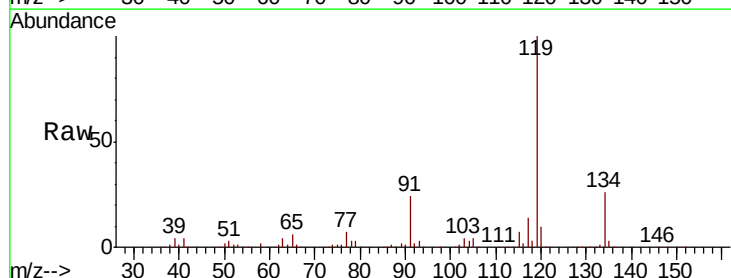
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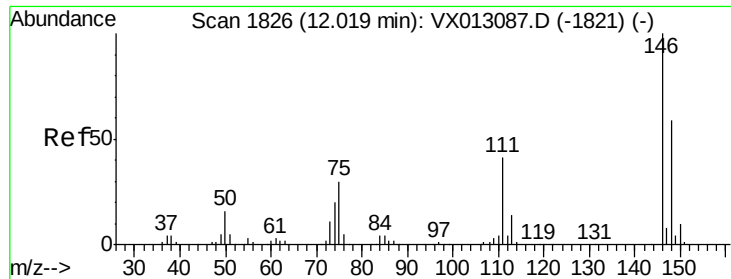
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#82
 p-Isopropyltoluene
 Concen: 18.761 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.00 min
 Lab File: VX013087.D
 Acq: 16 Oct 2019 10:57

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	150265		
134	26.0	0.0	52.0	
91	25.2	0.0	50.4	





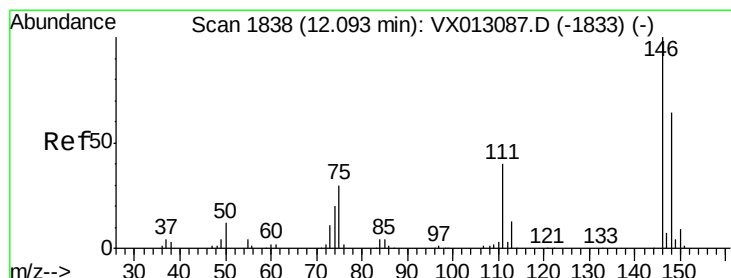
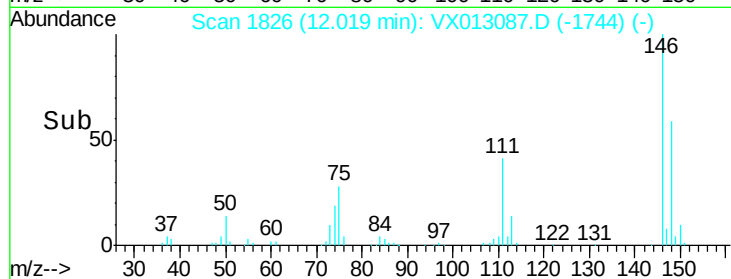
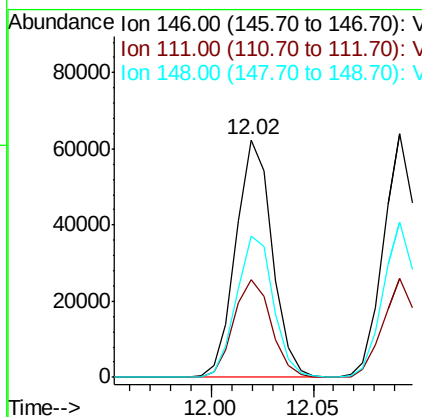
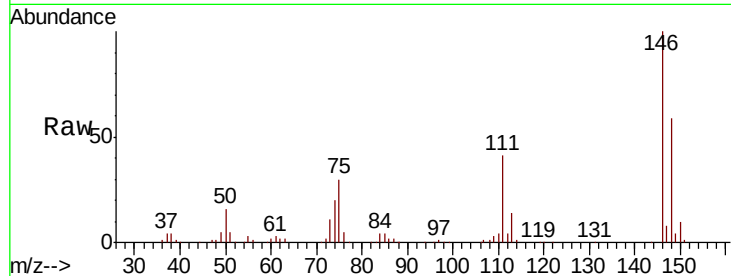
#83
 1,3-Dichlorobenzene
 Concen: 18.249 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX013087.D
 Acq: 16 Oct 2019 10:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.3	63.9
148	60.8	30.4	91.2

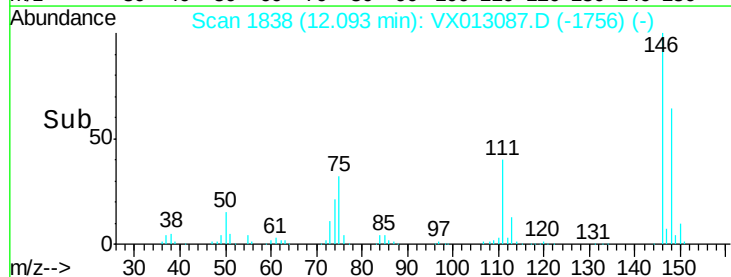
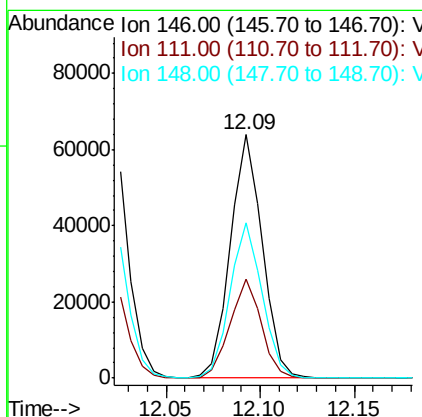
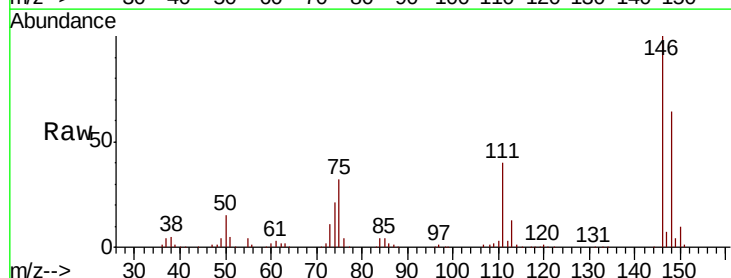
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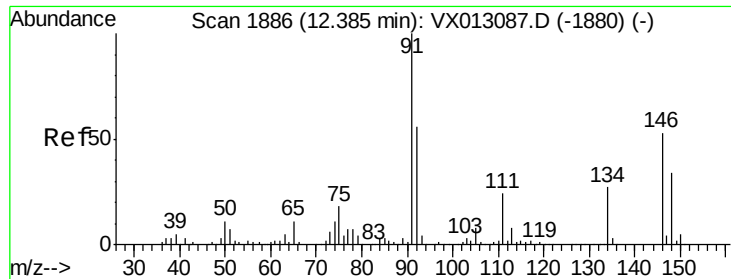
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#84
 1,4-Dichlorobenzene
 Concen: 18.003 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX013087.D
 Acq: 16 Oct 2019 10:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.0	59.9
148	63.8	31.9	95.7





#85

n-Butylbenzene

Concen: 18.680 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX013087.D

Acq: 16 Oct 2019 10:57

Instrument :

MSVOA_X

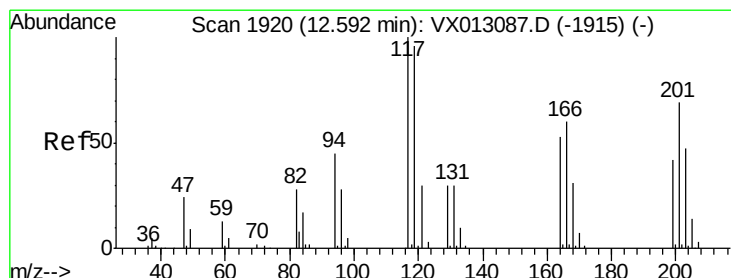
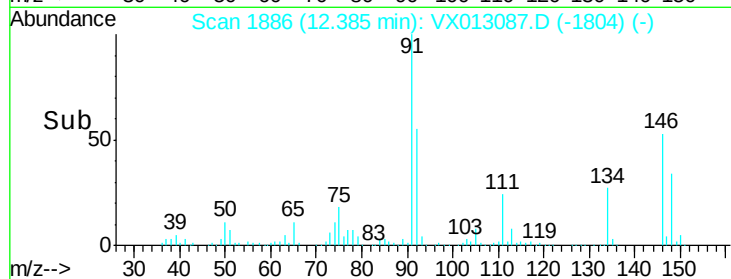
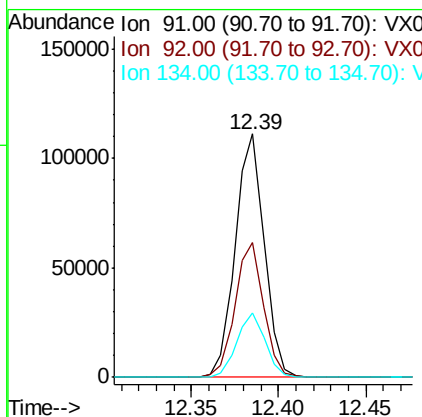
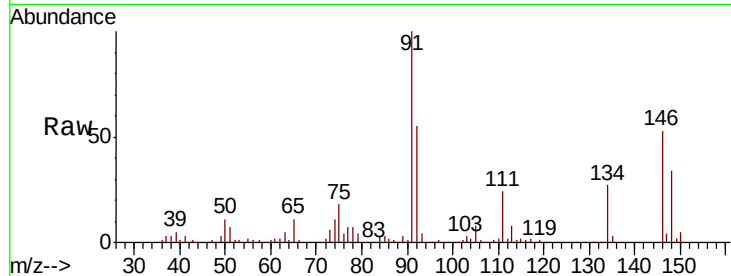
ClientSampleId :

VSTDICCC020

Tot Ion:	91	Resp:	127762
Ion Ratio	Lower	Upper	
91	100		
92	54.7	0.0	109.4
134	25.8	0.0	51.6

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#86

Hexachloroethane

Concen: 19.791 ug/l

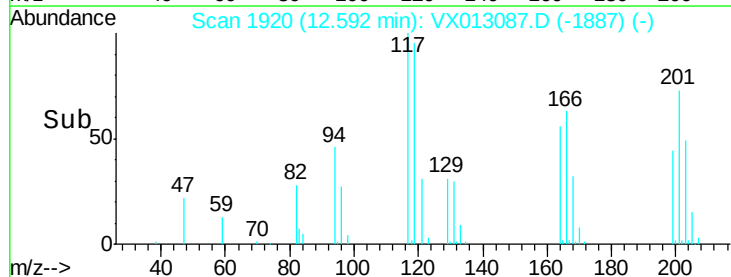
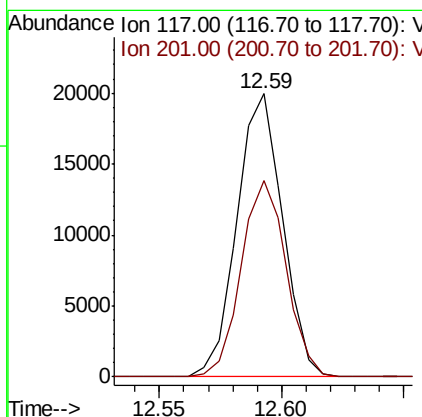
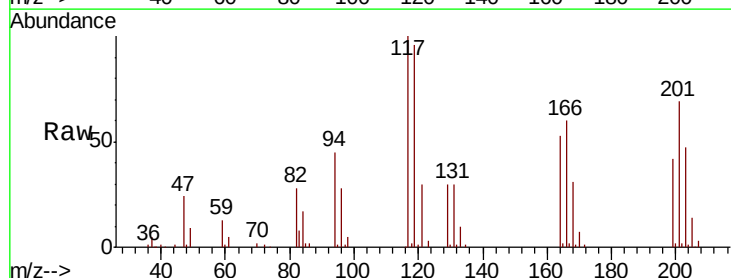
RT: 12.59 min Scan# 1920

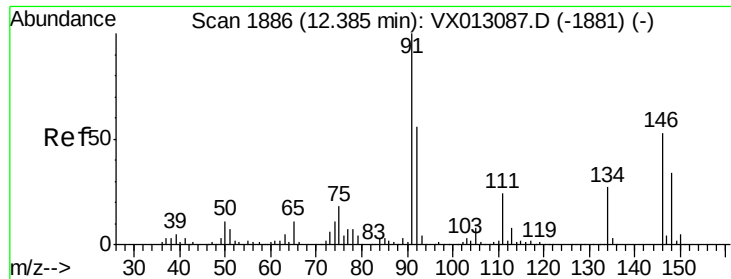
Delta R.T. 0.00 min

Lab File: VX013087.D

Acq: 16 Oct 2019 10:57

Tgt Ion:	117	Resp:	25855
Ion Ratio	Lower	Upper	
117	100		
201	68.3	34.2	102.5





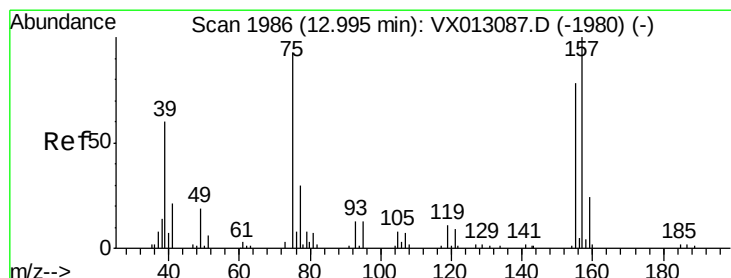
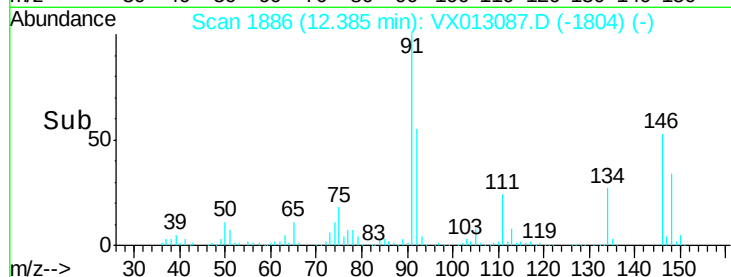
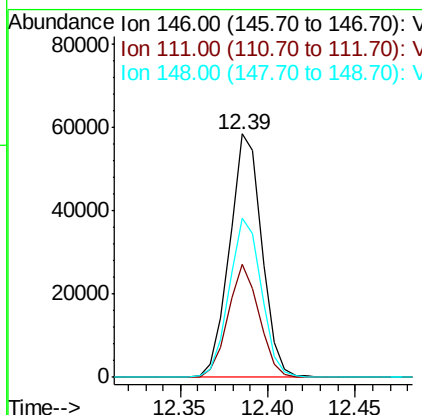
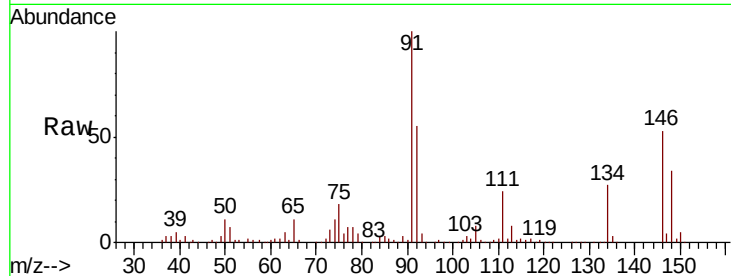
#87
 1,2-Dichlorobenzene
 Concen: 18.290 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX013087.D
 Acq: 16 Oct 2019 10:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.6	22.3	66.9
148	65.4	32.7	98.1

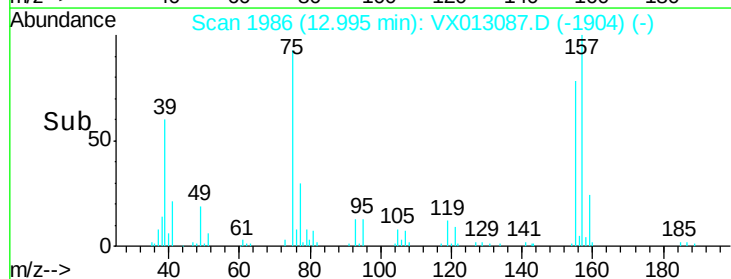
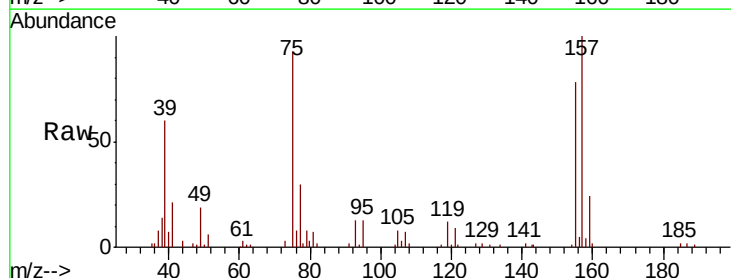
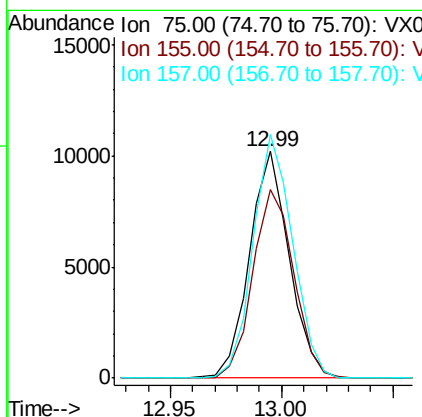
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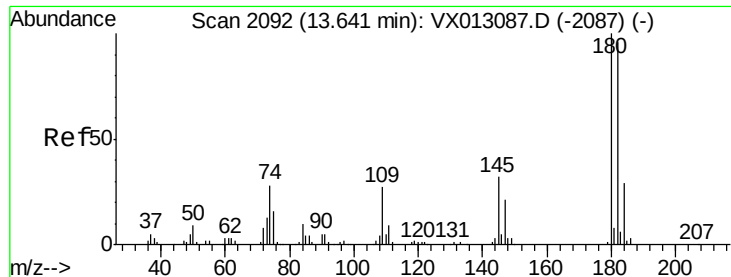
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.655 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX013087.D
 Acq: 16 Oct 2019 10:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.5	68.4	102.6
157	107.0	85.6	128.4





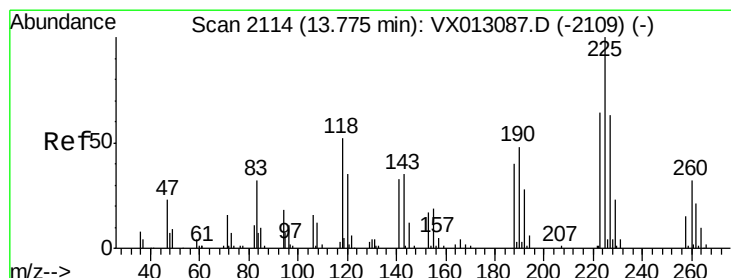
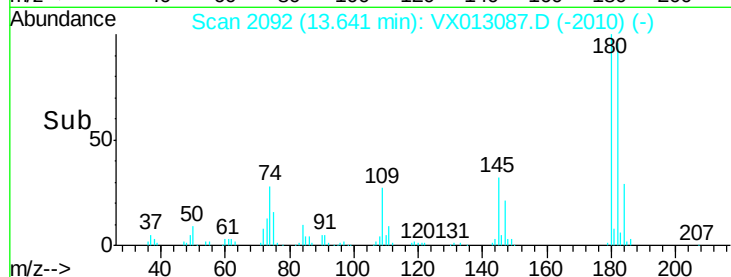
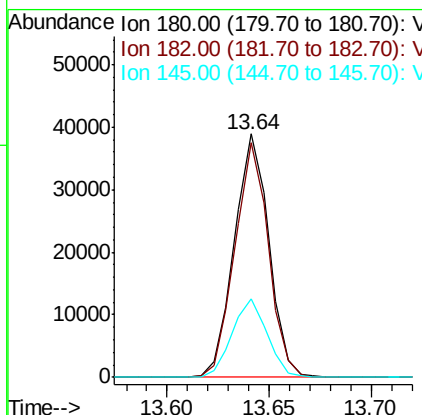
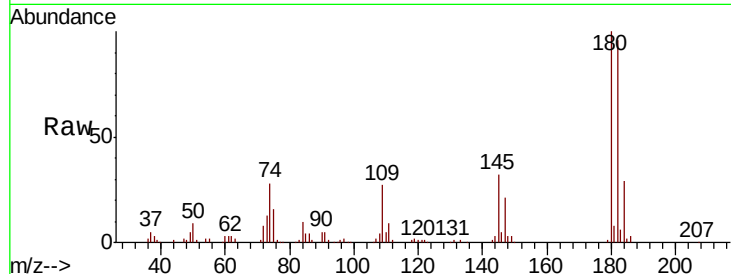
#89
1,2,4-Trichlorobenzene
Concen: 16.358 ug/l
RT: 13.64 min Scan# 2092
Delta R.T. 0.00 min
Lab File: VX013087.D
Acq: 16 Oct 2019 10:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.5	74.8	112.2
145	32.7	26.2	39.2

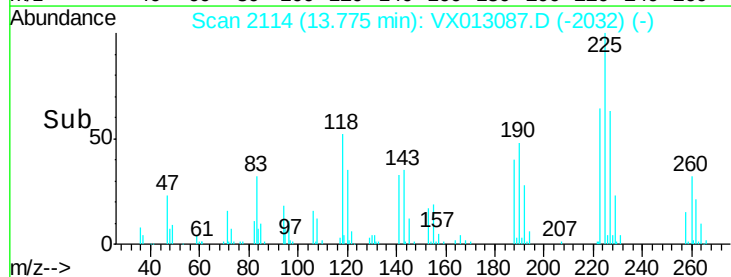
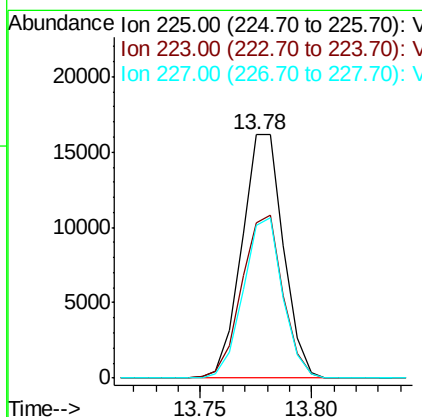
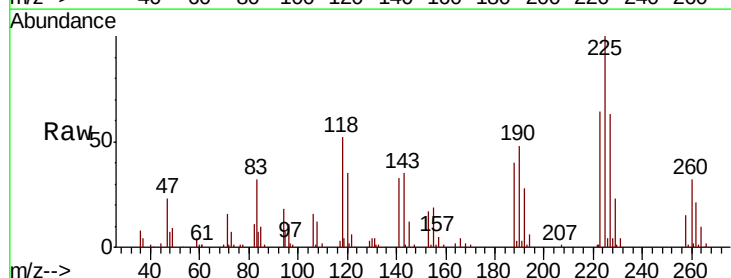
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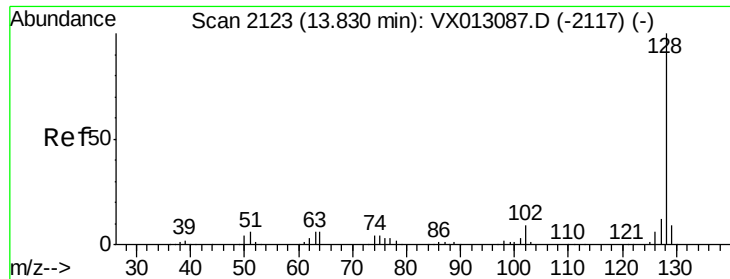
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#90
Hexachlorobutadiene
Concen: 15.769 ug/l
RT: 13.78 min Scan# 2114
Delta R.T. 0.00 min
Lab File: VX013087.D
Acq: 16 Oct 2019 10:57

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.1	0.0	132.2
227	62.1	0.0	124.2





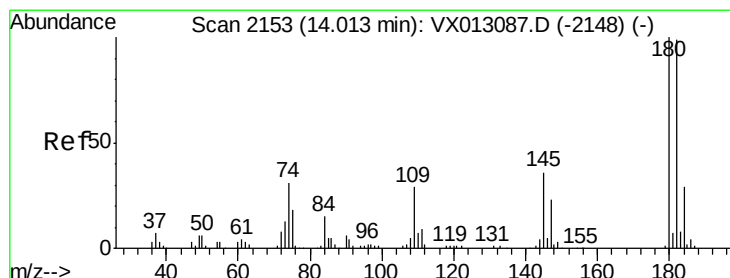
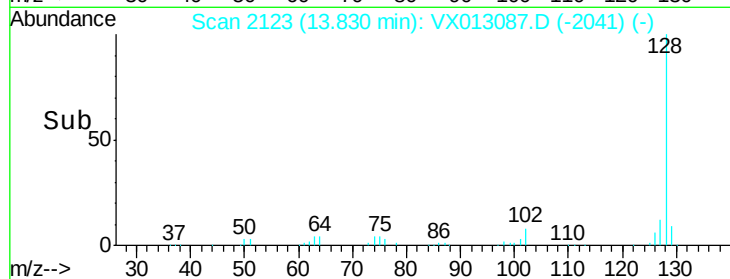
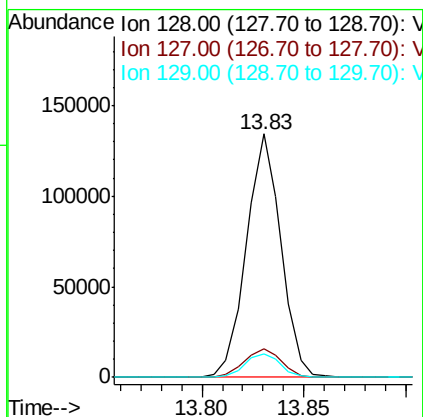
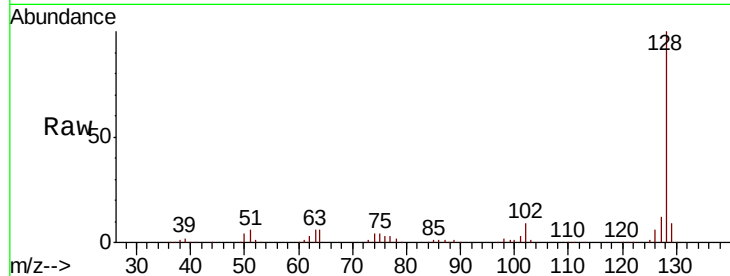
#91
Naphthalene
Concen: 18.283 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX013087.D
Acq: 16 Oct 2019 10:57

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.0	15.0
129	10.0	8.0	12.0

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#92
1,2,3-Trichlorobenzene
Concen: 16.414 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX013087.D
Acq: 16 Oct 2019 10:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.6	0.0	195.2
145	34.9	0.0	69.8

