

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101619\
 Data File : VX013088.D
 Acq On : 16 Oct 2019 11:20
 Operator : JC/SP
 Sample : VSTDIC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Manual Integrations
 APPROVED

MMDadoda
 10/18/2019 4:51:47 PM

Quant Time: Oct 17 02:32:04 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	30339	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	171849	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	151950	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	67653	31.98	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	106.60%
60) 4-Bromofluorobenzene	11.14	95	79042	31.03	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	103.43%
63) Toluene-d8	8.71	98	208023	30.86	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.87%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	101458	51.119	ug/l 100
3) Chloromethane	1.32	50	98524	55.437	ug/l 98
4) Vinyl Chloride	1.40	62	97821	53.360	ug/l 97
5) Bromomethane	1.63	94	42243	42.430	ug/l 100
6) Chloroethane	1.71	64	59711	53.527	ug/l 99
7) Trichlorofluoromethane	1.92	101	144748	48.300	ug/l 99
8) Diethyl Ether	2.18	74	52792	52.155	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	2.37	101	90980	53.686	ug/l 98
10) 1,1-Dichloroethene	2.36	96	89482	52.680	ug/l 97
11) Methyl Iodide	2.50	142	115712	51.460	ug/l 99
12) Methyl Acetate	2.76	43	127044	53.509	ug/l 99
13) Acrolein	2.28	56	95688	324.154	ug/l 99
14) Acrylonitrile	3.13	53	268066	283.884	ug/l 100
15) Acetone	2.43	58	99438	343.717	ug/l 96
16) Carbon Disulfide	2.56	76	243476	55.004	ug/l 98
17) Allyl chloride	2.72	41	155449	60.690	ug/l 94
18) Methylene Chloride	2.84	84	100784	52.828	ug/l 97
19) trans-1,2-Dichloroethene	3.15	96	95824	53.134	ug/l 94
20) Diisopropyl ether	3.84	45	295799	55.565	ug/l 97
21) 1,1-Dichloroethane	3.69	63	170552	55.832	ug/l 98
22) cis-1,2-Dichloroethene	4.58	96	110108	53.102	ug/l 99
23) tert-Butyl Alcohol	3.03	59	129586	263.418	ug/l 100
24) Methyl tert-Butyl Ether	3.19	73	310074	55.720	ug/l 99
25) Chloroform	5.20	83	175095	52.842	ug/l 95
26) Cyclohexane	5.57	56	151201	54.394	ug/l # 97
29) 1,1-Dichloropropene	5.79	75	131962	53.989	ug/l 99
30) 2-Butanone	4.65	43	402694	296.046	ug/l 99
31) 2,2-Dichloropropane	4.58	77	148082	64.397	ug/l 98
32) 1,1,1-Trichloroethane	5.49	97	155142	52.562	ug/l 98
33) Carbon Tetrachloride	5.78	117	134116	52.139	ug/l 98
34) Benzene	6.14	78	391846	53.216	ug/l 99
35) Methacrylonitrile	5.03	41	76996	55.185	ug/l 96
36) 1,2-Dichloroethane	6.18	62	139790	52.726	ug/l 100
37) Trichloroethene	7.21	130	105140	49.715	ug/l 97
38) Methylcyclohexane	7.46	83	162812	53.174	ug/l 98
39) 1,2-Dichloropropane	7.51	63	98424	53.265	ug/l 97
40) Dibromomethane	7.65	93	67457	50.768	ug/l 98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	133694	53.775	ug/l	98
42) Vinyl Acetate	3.80	43	1300506	291.138	ug/l	100
43) Ethyl Acetate	4.82	43	141791	55.701	ug/l	98
44) Isopropyl Acetate	6.43	43	228108	54.503	ug/l	99
45) 1,4-Dioxane	7.73	88	56541	1071.857	ug/l	98
46) Methyl methacrylate	7.76	41	111160	55.048	ug/l	92
47) n-amyl Acetate	10.89	43	196483	53.523	ug/l	98
48) t-1,3-Dichloropropene	9.04	75	149331	56.647	ug/l	97
49) cis-1,3-Dichloropropene	8.43	75	165199	57.295	ug/l	100
50) 1,1,2-Trichloroethane	9.21	97	100313	51.231	ug/l	99
51) Ethyl methacrylate	9.17	69	159982	52.572	ug/l	97
52) 1,3-Dichloropropane	9.37	76	169340	53.162	ug/l	99
53) Dibromochloromethane	9.58	129	105446	49.973	ug/l	99
54) 1,2-Dibromoethane	9.67	107	104959	49.241	ug/l	96
55) 2-Chloroethyl vinyl ether	8.31	63	363415	278.921	ug/l	99
56) Bromoform	10.85	173	73372	47.122	ug/l	100
58) 4-Methyl-2-Pentanone	8.64	43	708337	271.718	ug/l	100
59) 2-Hexanone	9.49	43	564058	281.135	ug/l	99
61) Tetrachloroethene	9.33	164	100747	50.263	ug/l	94
62) Toluene	8.78	91	418815	51.676	ug/l	99
64) Chlorobenzene	10.14	112	267293	51.528	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.21	131	98719	52.038	ug/l	99
66) Ethyl Benzene	10.25	91	482828	52.939	ug/l	99
67) m/p-Xylenes	10.35	106	364057	104.805	ug/l	99
68) o-Xylene	10.70	106	175073	51.365	ug/l	99
69) Styrene	10.71	104	303258	52.731	ug/l	99
70) Isopropylbenzene	11.01	105	472570	52.044	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.26	83	153863	52.359	ug/l	97
72) 1,2,3-Trichloropropane	11.29	75	124723m	51.158	ug/l	
73) Bromobenzene	11.25	156	108408	45.432	ug/l	99
74) n-propylbenzene	11.35	91	518333	50.682	ug/l	100
75) 2-Chlorotoluene	11.42	91	323608	53.084	ug/l	99
76) 1,3,5-Trimethylbenzene	11.50	105	401779	52.370	ug/l	100
77) t-1,4-Dichloro-2-butene	11.07	75	50392	60.047	ug/l	94
78) 4-Chlorotoluene	11.51	91	372073	52.965	ug/l	99
79) tert-butylbenzene	11.76	119	370042	49.866	ug/l	98
80) 1,2,4-Trimethylbenzene	11.80	105	400091	51.719	ug/l	98
81) sec-Butylbenzene	11.94	105	443688	50.729	ug/l	100
82) p-Isopropyltoluene	12.06	119	424109	52.595	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	200666	47.164	ug/l	98
84) 1,4-Dichlorobenzene	12.09	146	202090	48.029	ug/l	99
85) n-Butylbenzene	12.39	91	357679	51.944	ug/l	99
86) Hexachloroethane	12.59	117	71399	54.284	ug/l	94
87) 1,2-Dichlorobenzene	12.39	146	200417	48.584	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.99	75	36433	56.102	ug/l	98
89) 1,2,4-Trichlorobenzene	13.64	180	126064	44.798	ug/l	96
90) Hexachlorobutadiene	13.78	225	56258	41.834	ug/l	94
91) Naphthalene	13.83	128	436737	50.176	ug/l	98
92) 1,2,3-Trichlorobenzene	14.01	180	129290	46.041	ug/l	99

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ClientSampleId :
VSTDICC050

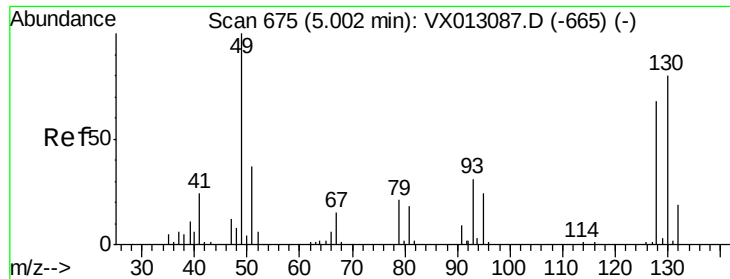
Manual Integrations
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QLast Update : Thu Oct 17 02:18:04 2019
Response via : Initial Calibration

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



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.00 min Scan# 675

Delta R.T. -0.00 min

Lab File: VX013088.D

Acq: 16 Oct 2019 11:20

Instrument :

MSVOA_X

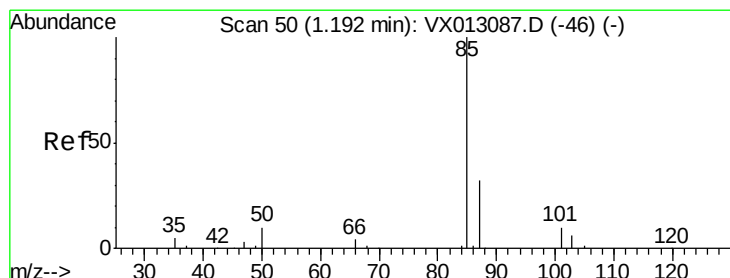
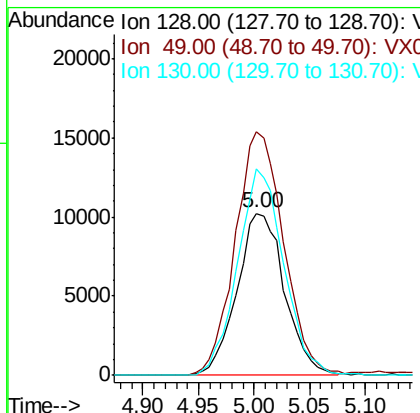
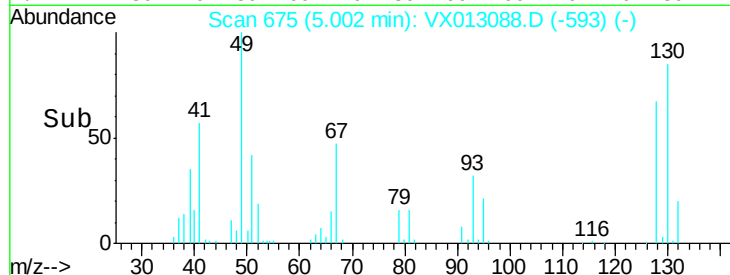
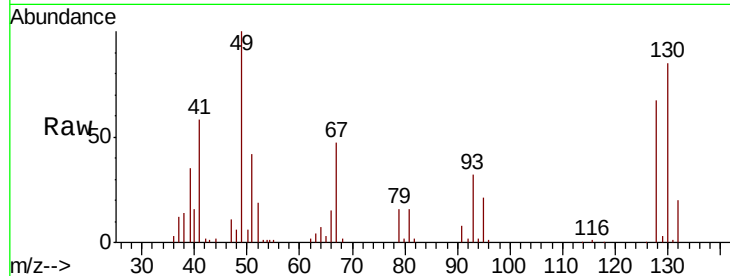
ClientSampleId :

VSTDIC050

Tot Ion:	128	Resp:	30339
Ion	Ratio	Lower	Upper
128	100		
49	153.4	0.0	382.3
130	123.9	0.0	321.8

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#2

Dichlorodifluoromethane

Concen: 51.119 ug/l

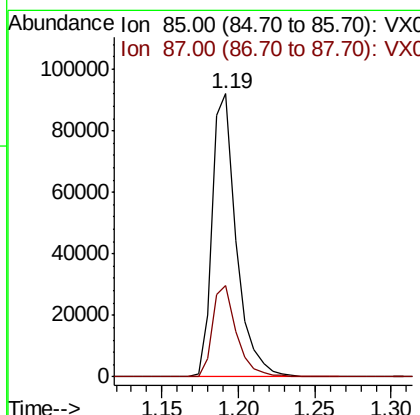
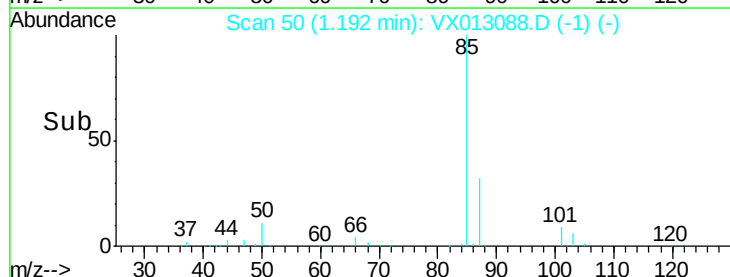
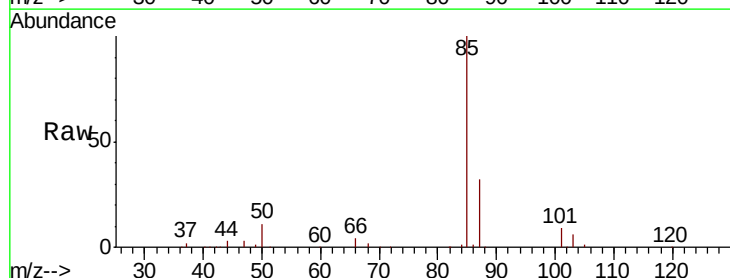
RT: 1.19 min Scan# 50

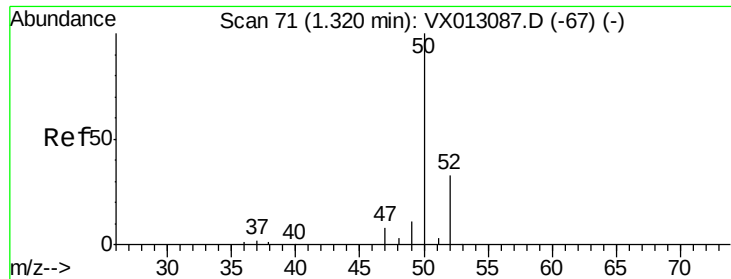
Delta R.T. -0.00 min

Lab File: VX013088.D

Acq: 16 Oct 2019 11:20

Tgt Ion:	85	Resp:	101458
Ion	Ratio	Lower	Upper
85	100		
87	32.4	16.2	48.5





#3

Chloromethane

Concen: 55.437 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX013088.D

Acq: 16 Oct 2019 11:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 50 Resp: 98524

Ion Ratio Lower Upper

50 100

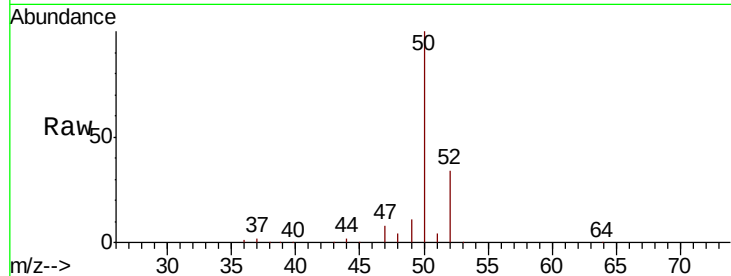
52 33.5 26.0 39.0

Manual Integrations

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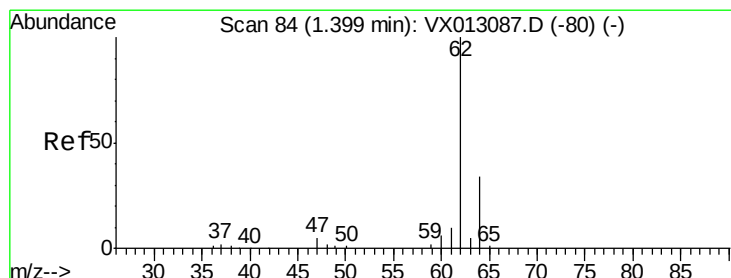
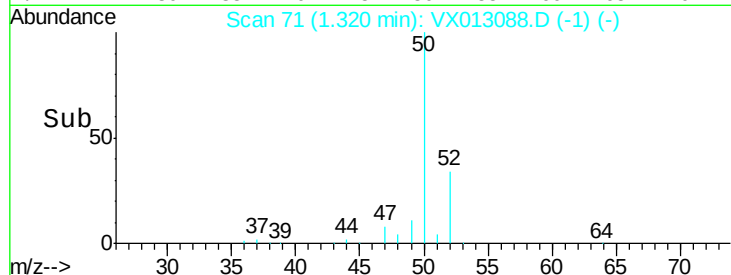
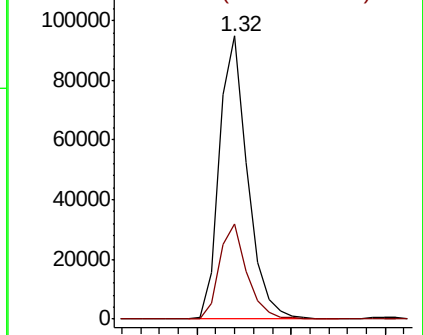
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Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#4

Vinyl Chloride

Concen: 53.360 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013088.D

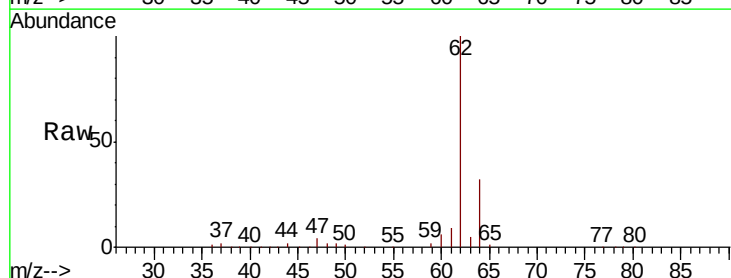
Acq: 16 Oct 2019 11:20

Tgt Ion: 62 Resp: 97821

Ion Ratio Lower Upper

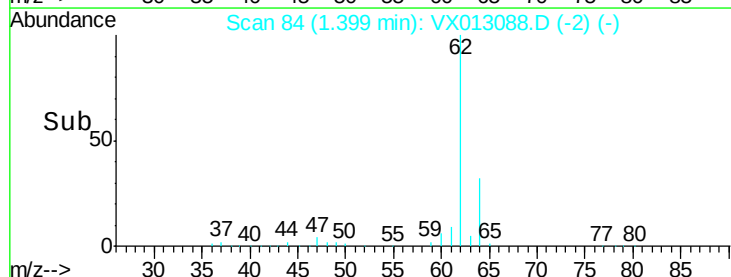
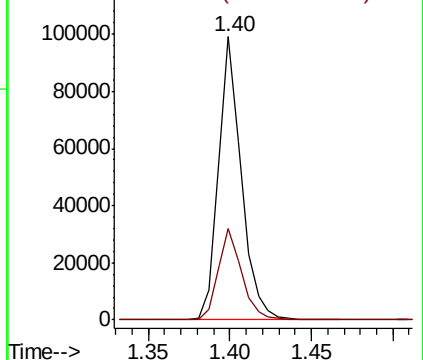
62 100

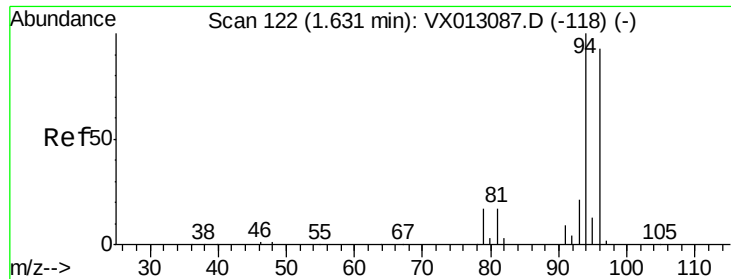
64 32.4 27.4 41.0



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 42.430 ug/l

RT: 1.63 min Scan# 122

Delta R.T. -0.00 min

Lab File: VX013088.D

Acq: 16 Oct 2019 11:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 94 Resp: 42243

Ion Ratio Lower Upper

94 100

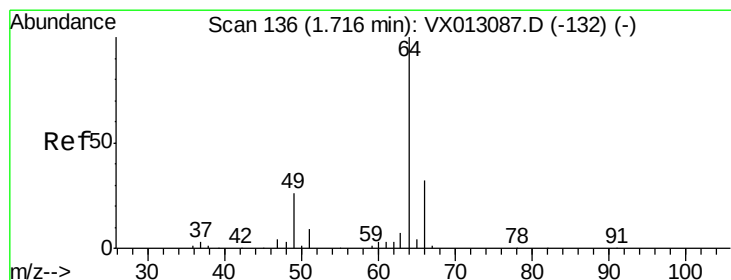
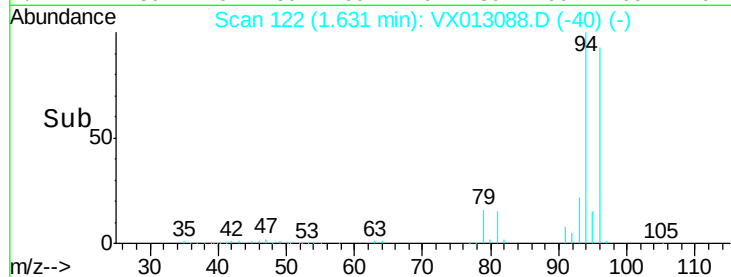
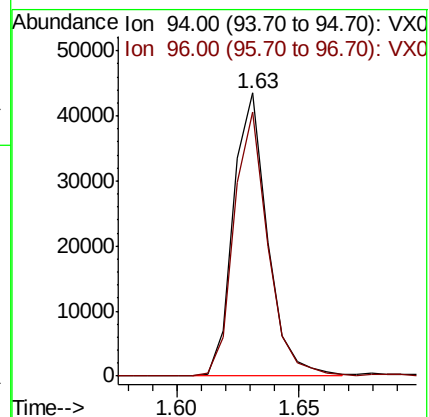
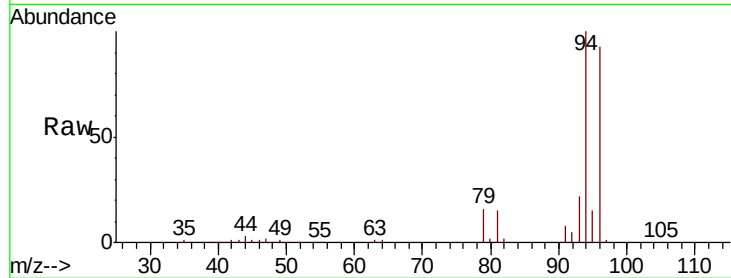
96 93.2 74.2 111.4

Manual Integrations

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#6

Chloroethane

Concen: 53.527 ug/l

RT: 1.71 min Scan# 135

Delta R.T. -0.01 min

Lab File: VX013088.D

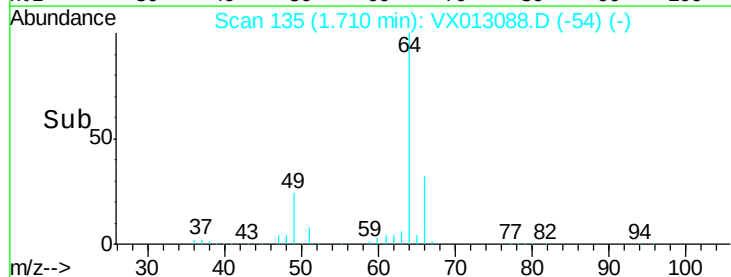
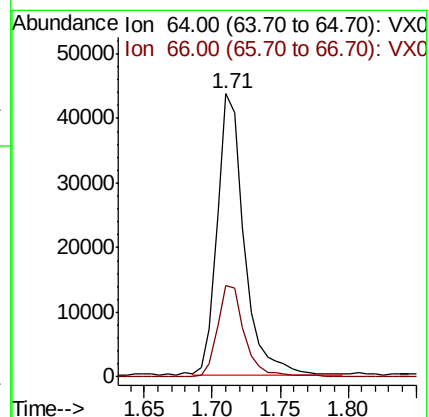
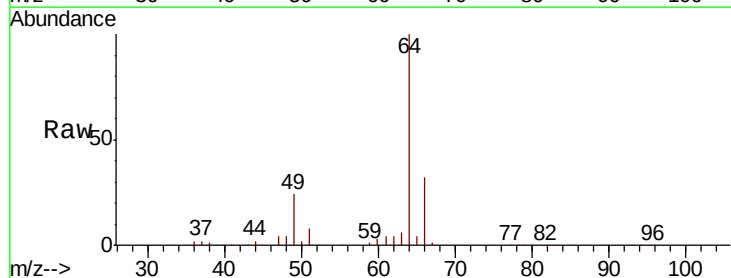
Acq: 16 Oct 2019 11:20

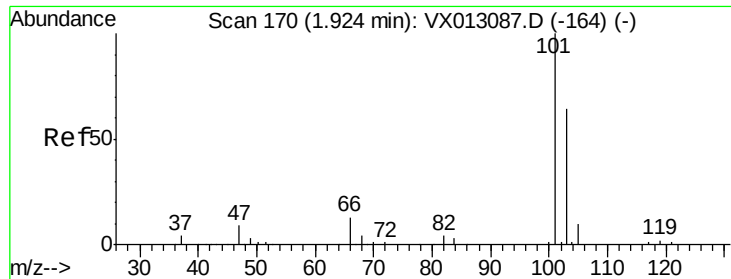
Tgt Ion: 64 Resp: 59711

Ion Ratio Lower Upper

64 100

66 32.7 25.6 38.4





#7

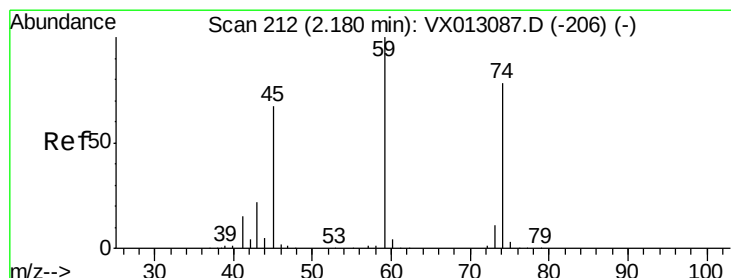
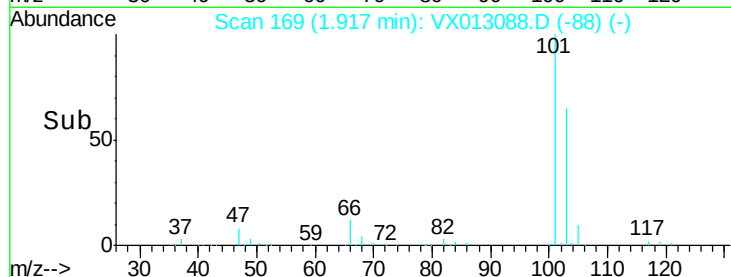
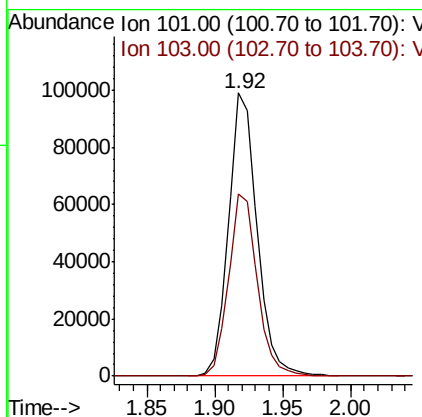
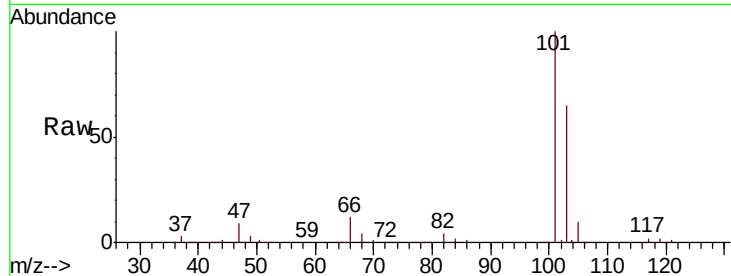
Trichlorofluoromethane
Concen: 48.300 ug/l
RT: 1.92 min Scan# 169
Delta R.T. -0.01 min
Lab File: VX013088.D
Acq: 16 Oct 2019 11:20

Instrument :
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ClientSampleId :
VSTDIC050

Tot Ion:101 Resp: 144748
Ion Ratio Lower Upper
101 100
103 64.5 50.9 76.3

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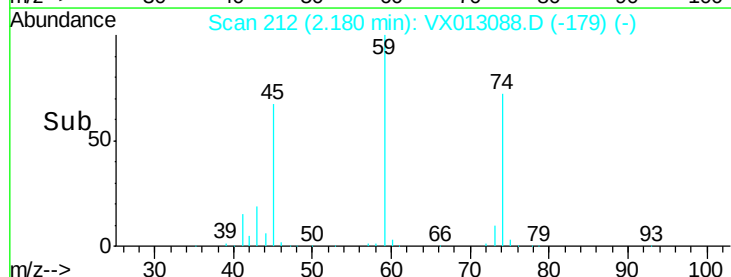
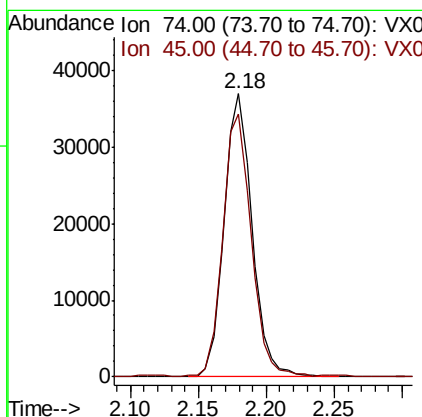
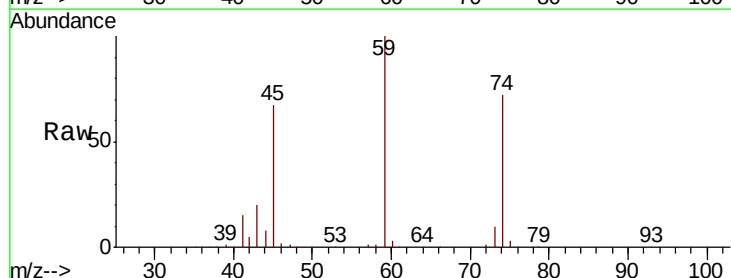
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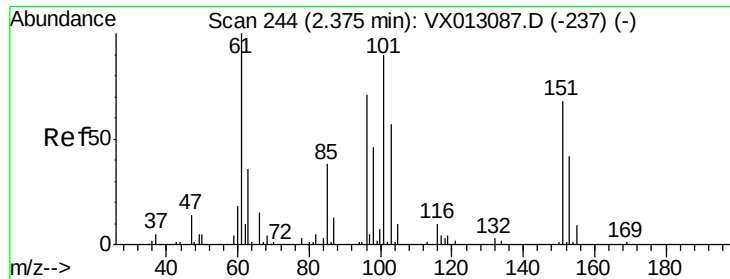


#8

Diethyl Ether
Concen: 52.155 ug/l
RT: 2.18 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX013088.D
Acq: 16 Oct 2019 11:20

Tgt Ion: 74 Resp: 52792
Ion Ratio Lower Upper
74 100
45 94.3 18.2 163.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.686 ug/l

RT: 2.37 min Scan# 244

Delta R.T. -0.00 min

Lab File: VX013088.D

Acq: 16 Oct 2019 11:20

Instrument :

MSVOA_X

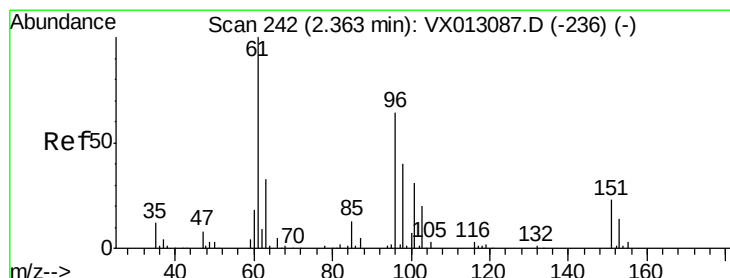
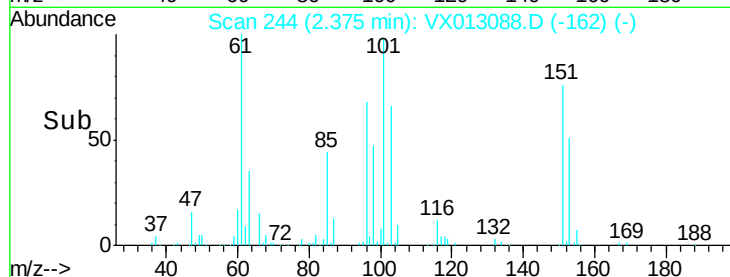
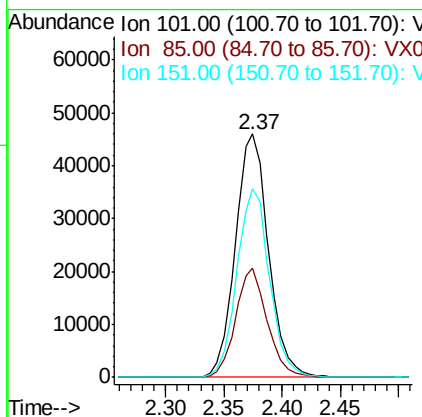
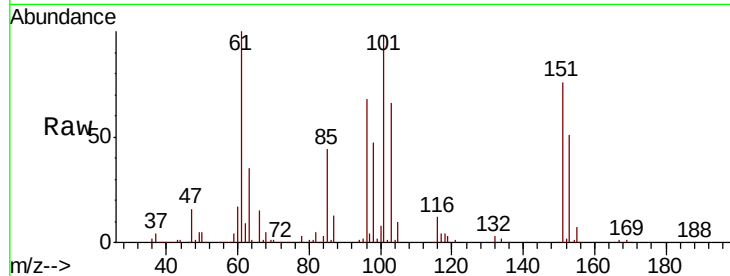
ClientSampleId :

VSTDIC050

Tot Ion:	101	Resp:	90980
Ion Ratio	Lower	Upper	
101	100		
85	42.6	0.0	85.2
151	76.4	0.0	157.0

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 52.680 ug/l

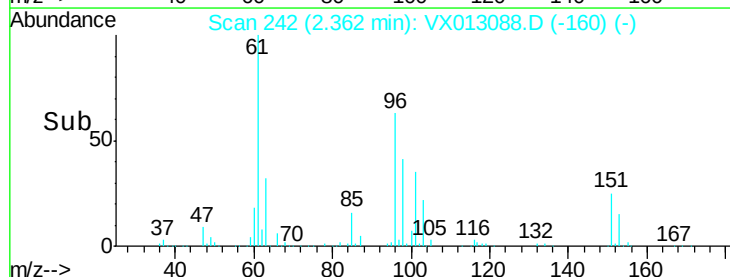
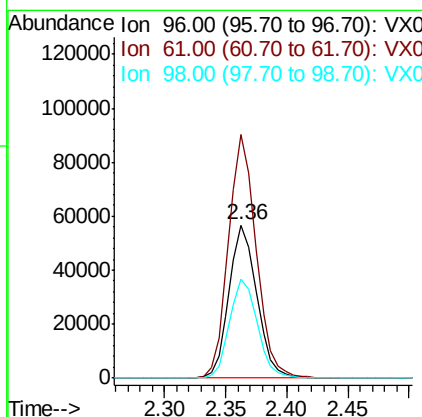
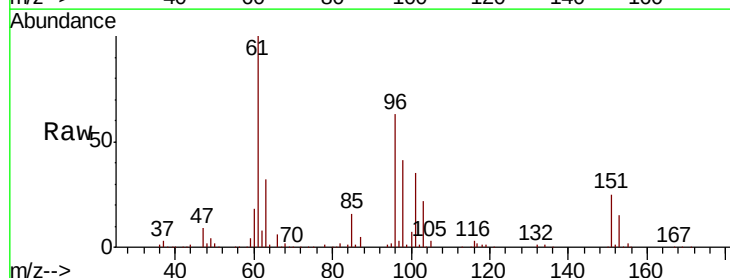
RT: 2.36 min Scan# 242

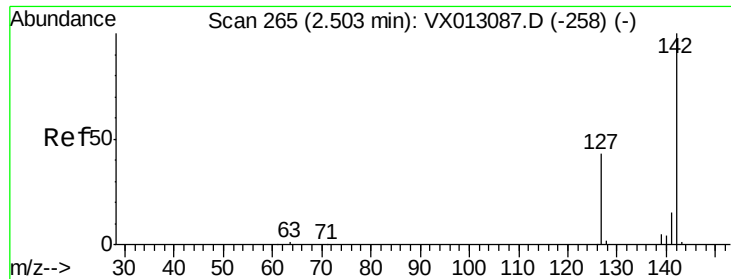
Delta R.T. -0.00 min

Lab File: VX013088.D

Acq: 16 Oct 2019 11:20

Tgt Ion:	96	Resp:	89482
Ion Ratio	Lower	Upper	
96	100		
61	158.8	124.2	186.2
98	64.6	50.2	75.2





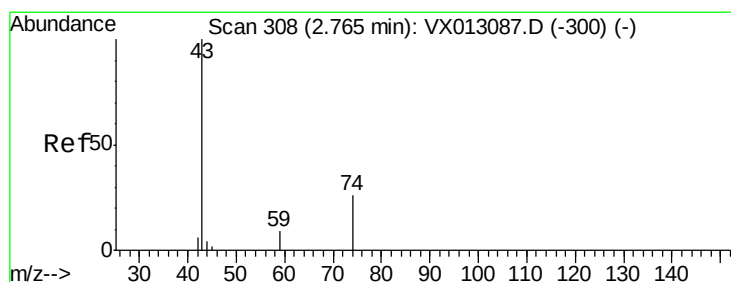
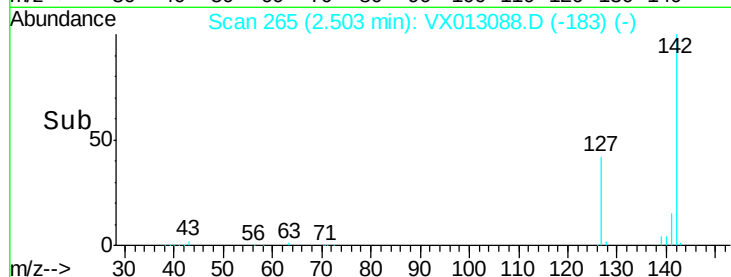
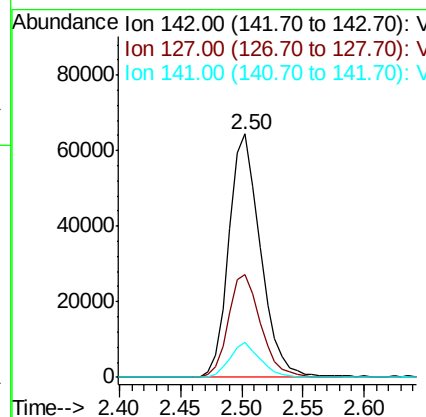
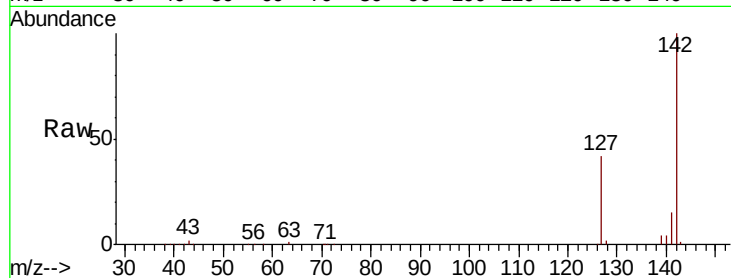
#11
Methvl Iodide
Concen: 51.460 ug/l
RT: 2.50 min Scan# 265
Delta R.T. -0.00 min
Lab File: VX013088.D
Acq: 16 Oct 2019 11:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
142	100		
127	42.1	21.4	64.2
141	14.5	7.3	21.9

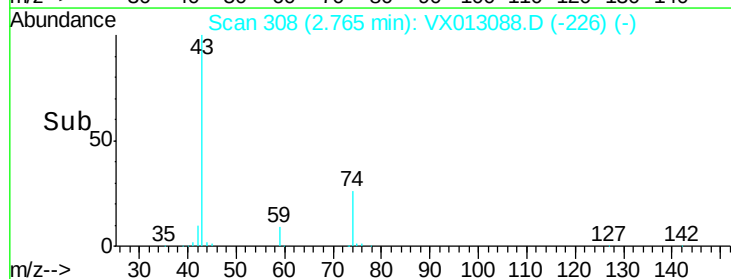
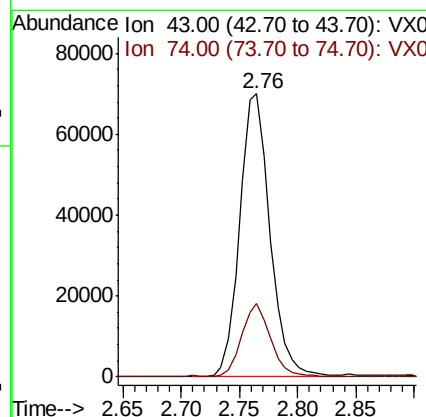
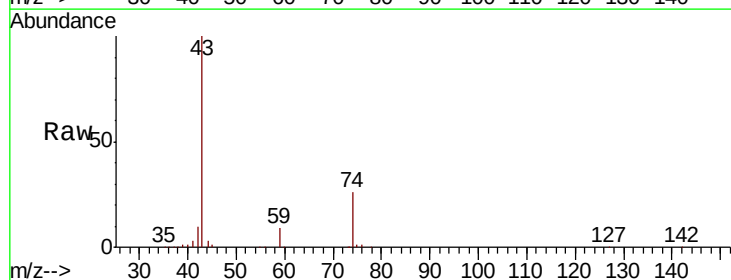
Manual Integrations
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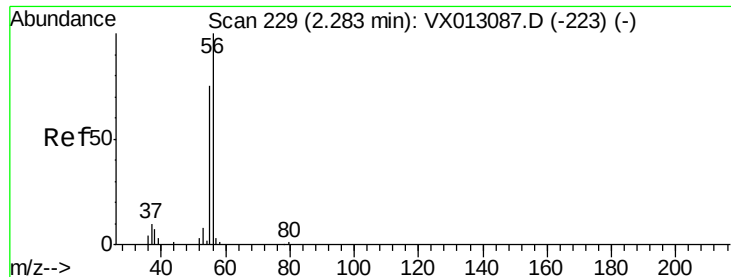
MMDadoda
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#12
Methyl Acetate
Concen: 53.509 ug/l
RT: 2.76 min Scan# 308
Delta R.T. -0.00 min
Lab File: VX013088.D
Acq: 16 Oct 2019 11:20

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.7	20.9	31.3





#13

Acrolein

Concen: 324.154 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.00 min

Lab File: VX013088.D

Acq: 16 Oct 2019 11:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 56 Resp: 95688

Ion Ratio Lower Upper

56 100

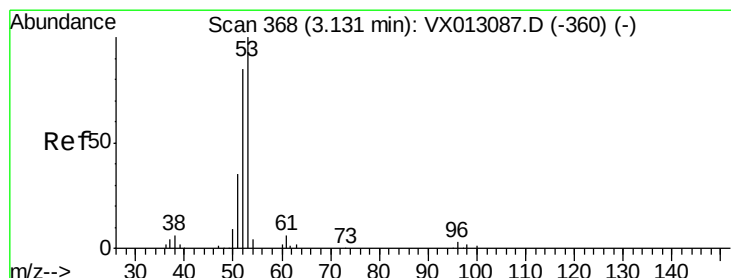
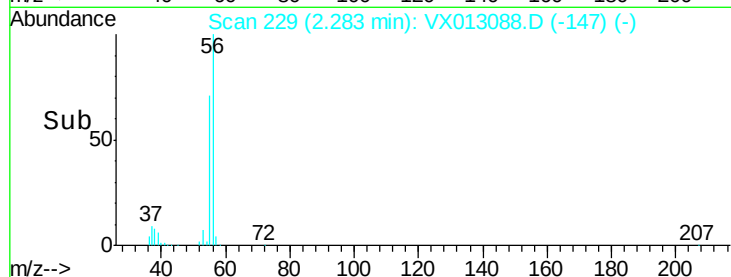
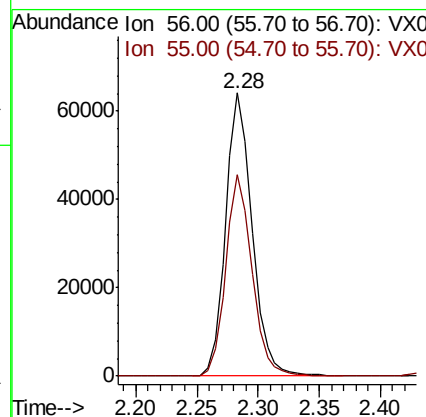
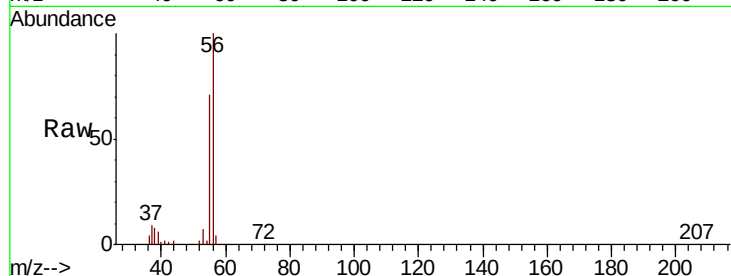
55 71.4 57.8 86.8

Manual Integrations

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#14

Acrylonitrile

Concen: 283.884 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX013088.D

Acq: 16 Oct 2019 11:20

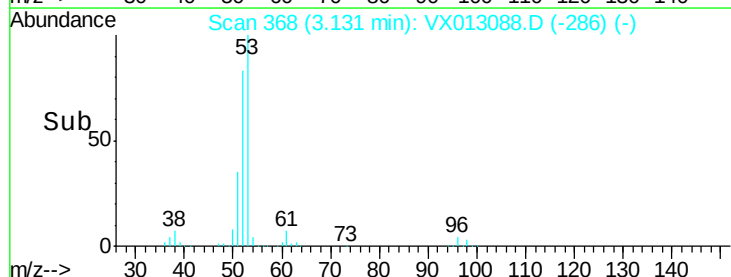
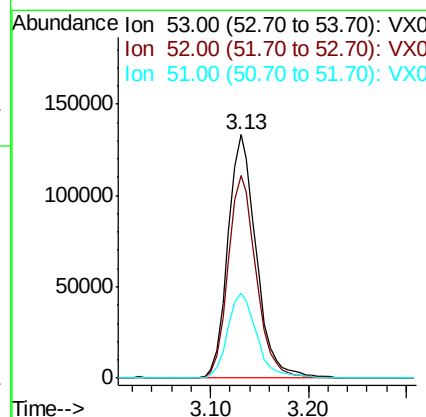
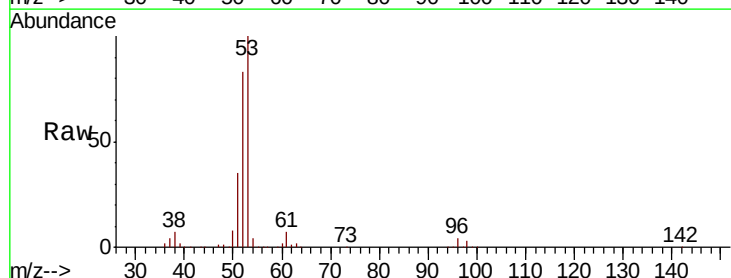
Tgt Ion: 53 Resp: 268066

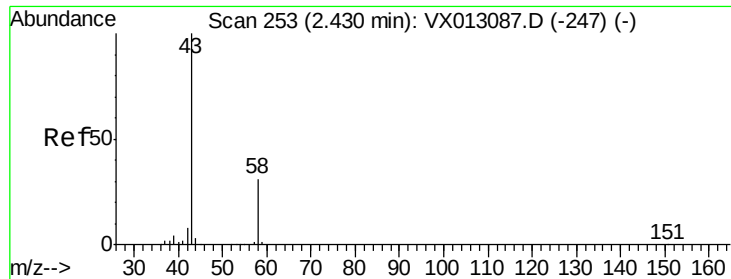
Ion Ratio Lower Upper

53 100

52 82.6 41.4 124.2

51 36.0 18.1 54.4





#15

Acetone

Concen: 343.717 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX013088.D

Acq: 16 Oct 2019 11:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 58 Resp: 99438

Ion Ratio Lower Upper

58 100

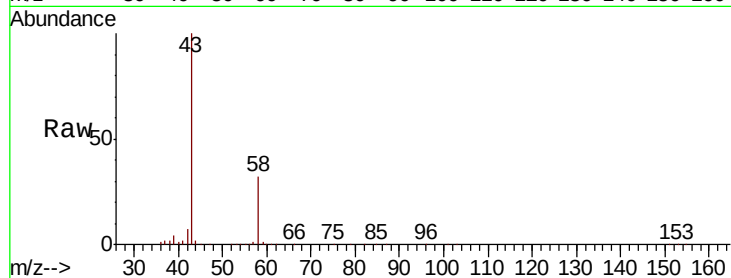
43 315.8 259.5 389.3

Manual Integrations

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Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

200000

150000

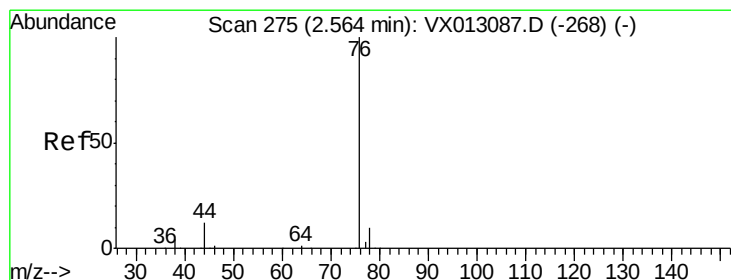
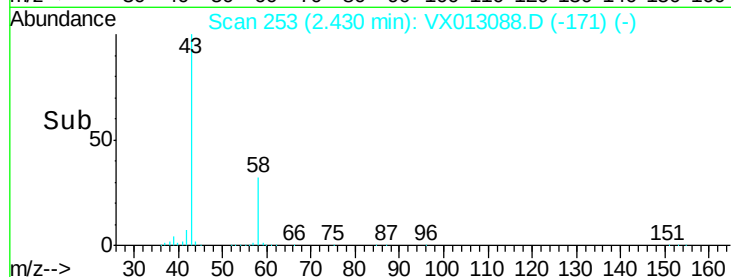
100000

50000

0

2.35 2.40 2.45 2.50

Time-->



#16

Carbon Disulfide

Concen: 55.004 ug/l

RT: 2.56 min Scan# 275

Delta R.T. -0.00 min

Lab File: VX013088.D

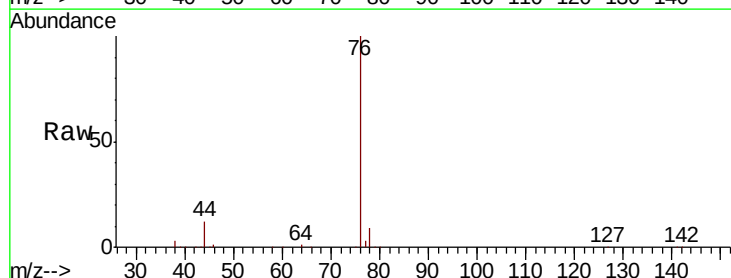
Acq: 16 Oct 2019 11:20

Tgt Ion: 76 Resp: 243476

Ion Ratio Lower Upper

76 100

78 9.0 7.8 11.6



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

150000

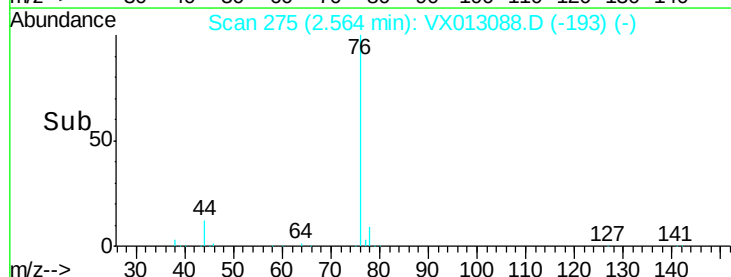
100000

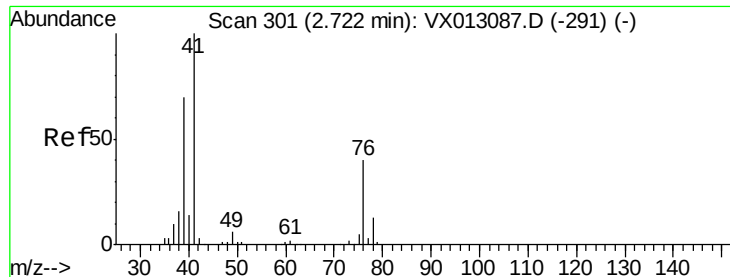
50000

0

2.50 2.55 2.60 2.65

Time-->





#17

Allvl chloride

Concen: 60.690 ug/l

RT: 2.72 min Scan# 300

Delta R.T. -0.01 min

Lab File: VX013088.D

Acq: 16 Oct 2019 11:20

Instrument :

MSVOA_X

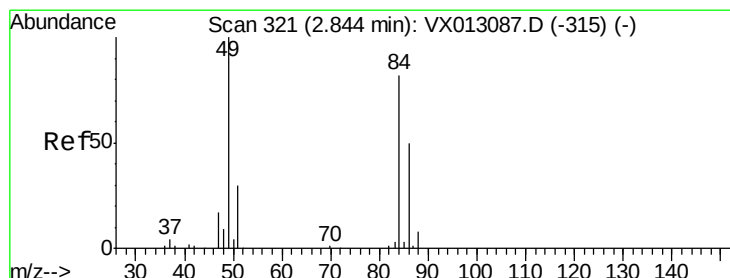
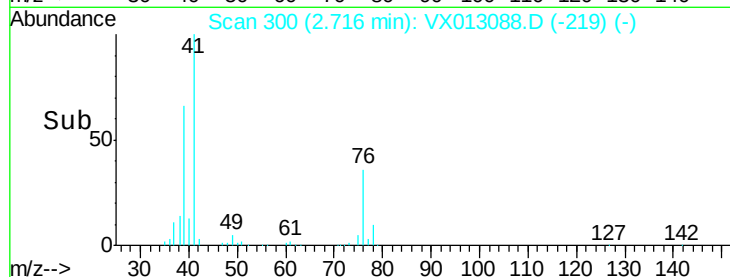
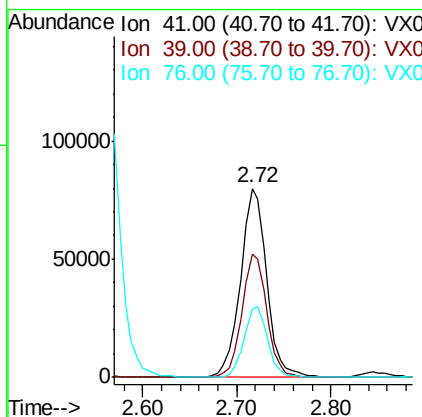
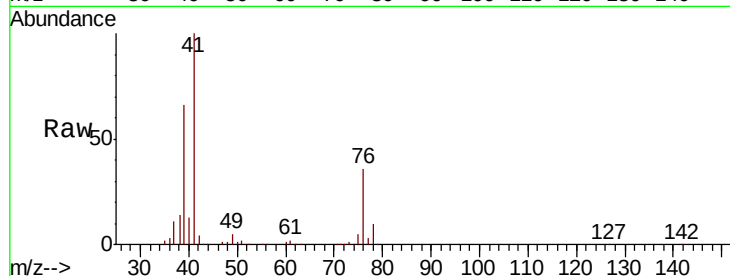
ClientSampleId :

VSTDIC050

Tot Ion:	41	Resp:	155449
Ion	Ratio	Lower	Upper
41	100		
39	65.5	34.8	104.5
76	36.2	20.2	60.5

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#18

Methylene Chloride

Concen: 52.828 ug/l

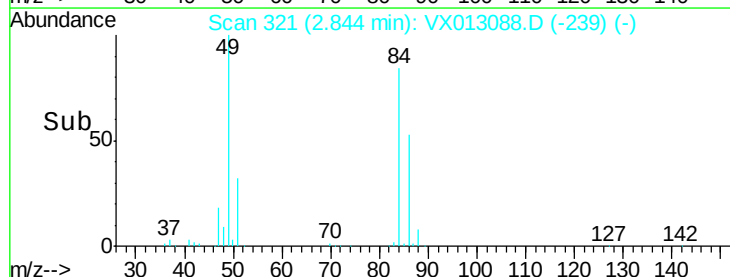
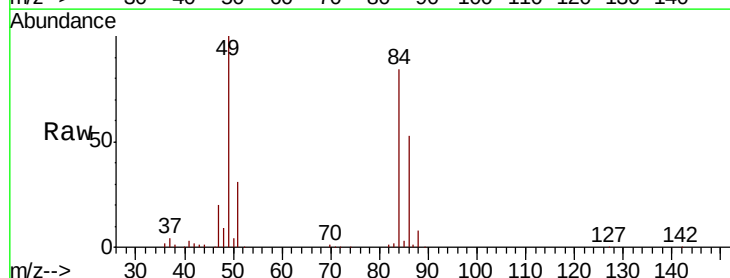
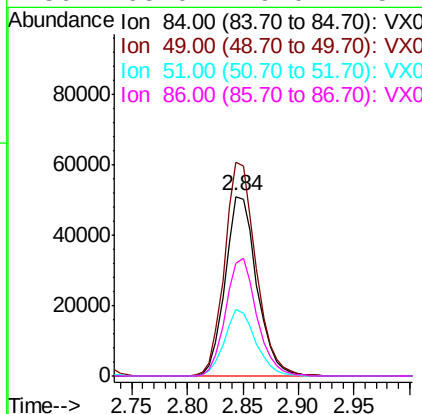
RT: 2.84 min Scan# 321

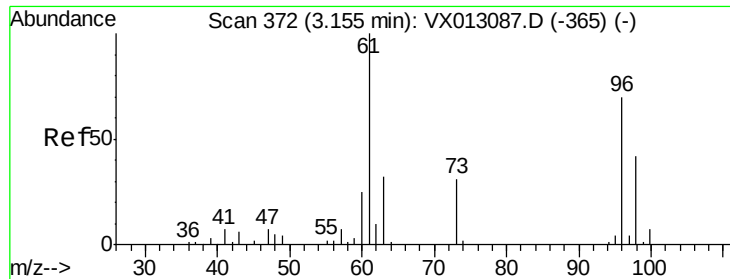
Delta R.T. -0.00 min

Lab File: VX013088.D

Acq: 16 Oct 2019 11:20

Tgt Ion:	84	Resp:	100784
Ion	Ratio	Lower	Upper
84	100		
49	118.8	97.8	146.6
51	37.2	29.2	43.8
86	63.0	49.0	73.4





#19

trans-1,2-Dichloroethene

Concen: 53.134 ug/l

RT: 3.15 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX013088.D

Acq: 16 Oct 2019 11:20

Instrument :

MSVOA_X

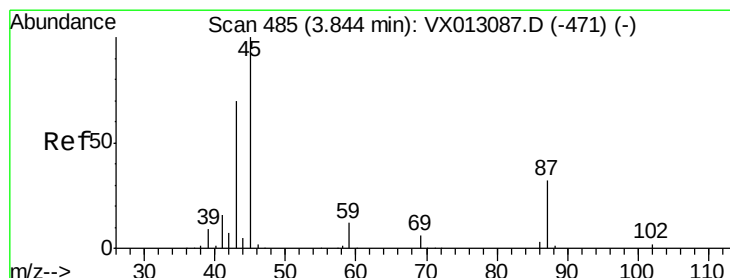
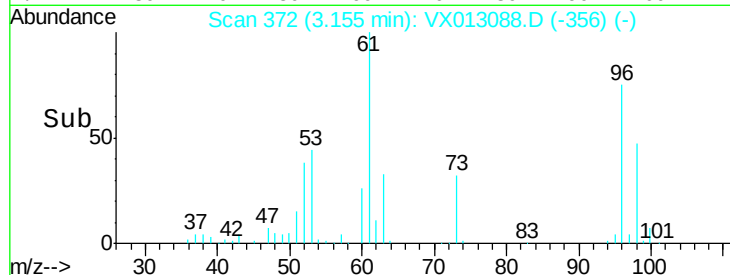
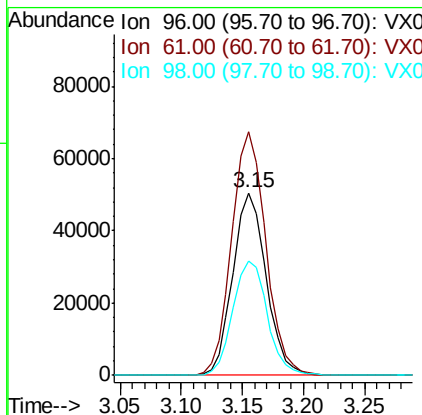
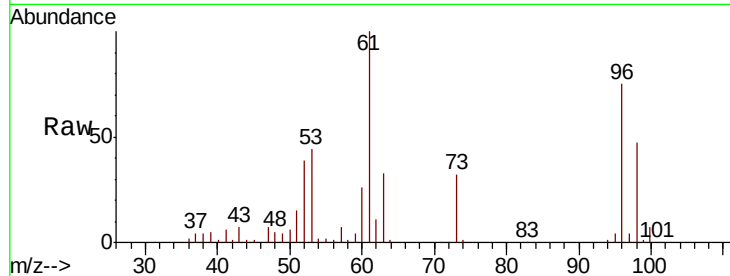
ClientSampleId :

VSTDIC050

Tot Ion:	96	Resp:	95824
Ion	Ratio	Lower	Upper
96	100		
61	133.3	113.9	170.9
98	62.4	48.1	72.1

Manual Integrations
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#20

Diisopropyl ether

Concen: 55.565 ug/l

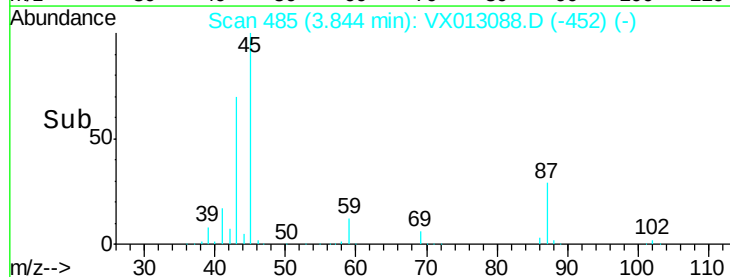
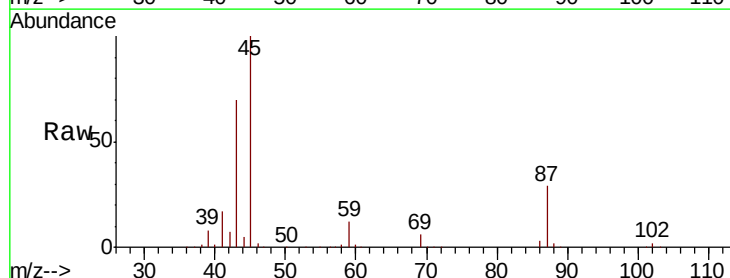
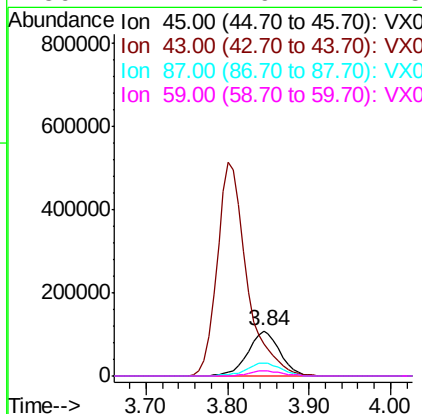
RT: 3.84 min Scan# 485

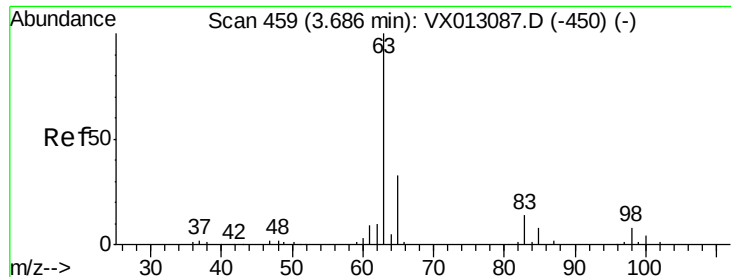
Delta R.T. -0.00 min

Lab File: VX013088.D

Acq: 16 Oct 2019 11:20

Tgt Ion:	45	Resp:	295799
Ion	Ratio	Lower	Upper
45	100		
43	69.4	57.5	86.3
87	29.4	25.3	37.9
59	12.4	9.7	14.5





#21

1,1-Dichloroethane

Concen: 55.832 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX013088.D

Acq: 16 Oct 2019 11:20

Instrument :

MSVOA_X

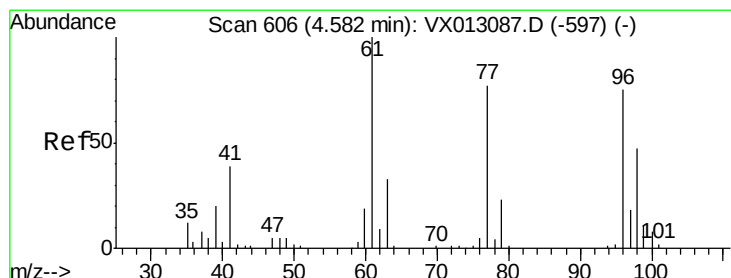
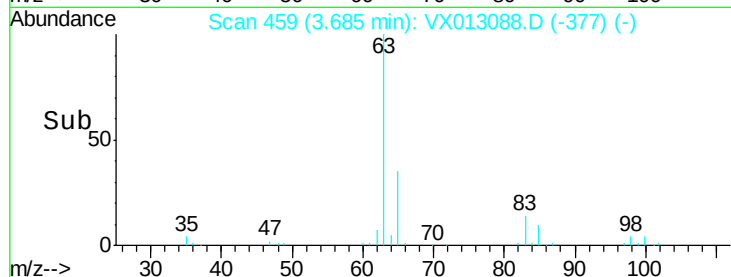
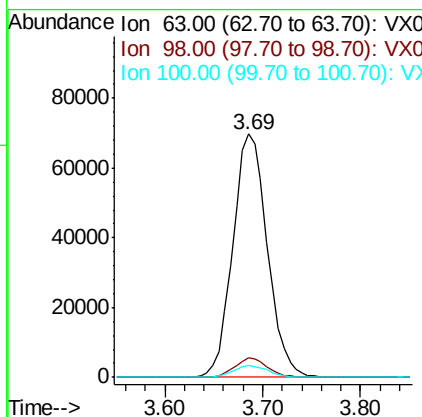
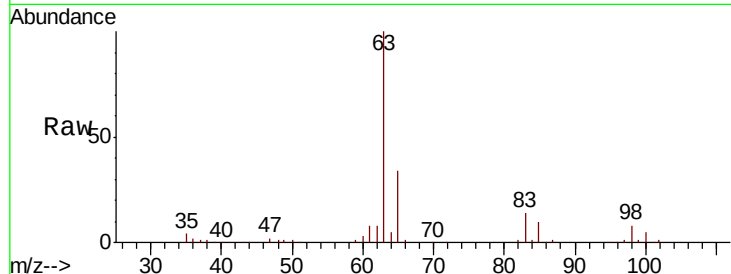
ClientSampleId :

VSTDIC050

Tot Ion:	63	Resp:	170552
Ion Ratio	Lower	Upper	
63	100		
98	8.3	3.8	11.4
100	4.9	2.1	6.5

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 53.102 ug/l

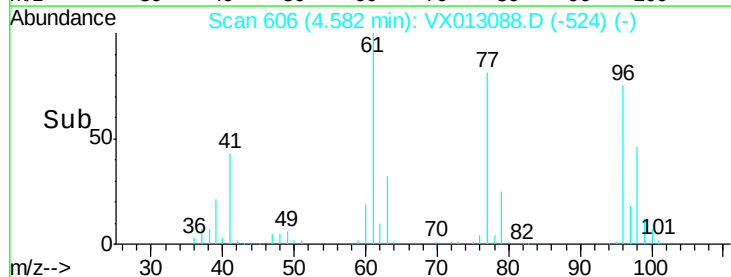
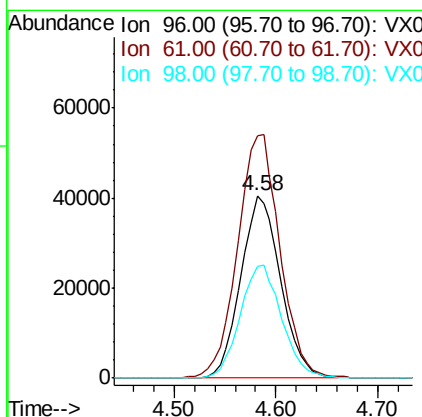
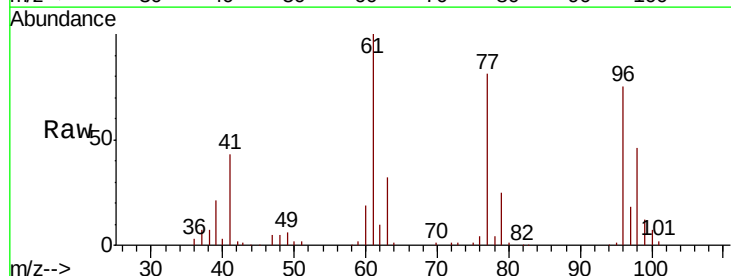
RT: 4.58 min Scan# 606

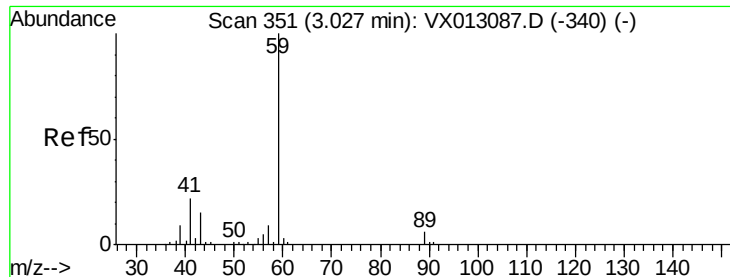
Delta R.T. -0.00 min

Lab File: VX013088.D

Acq: 16 Oct 2019 11:20

Tgt Ion:	96	Resp:	110108
Ion Ratio	Lower	Upper	
96	100		
61	142.1	115.0	172.4
98	64.3	51.5	77.3





#23

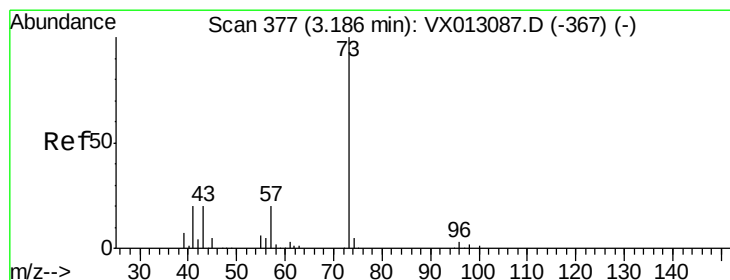
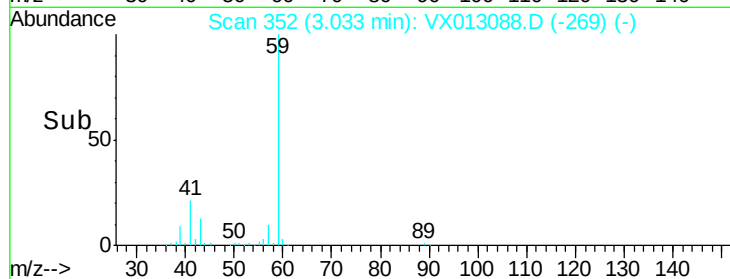
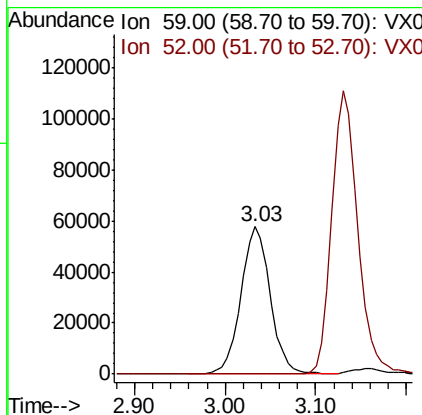
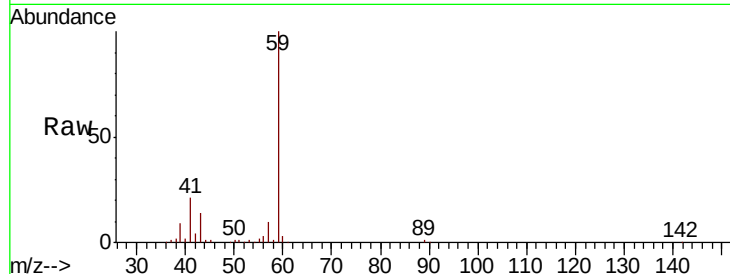
tert-Butyl Alcohol
Concen: 263.418 ug/l
RT: 3.03 min Scan# 352
Delta R.T. 0.01 min
Lab File: VX013088.D
Acq: 16 Oct 2019 11:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.1	0.1	0.1

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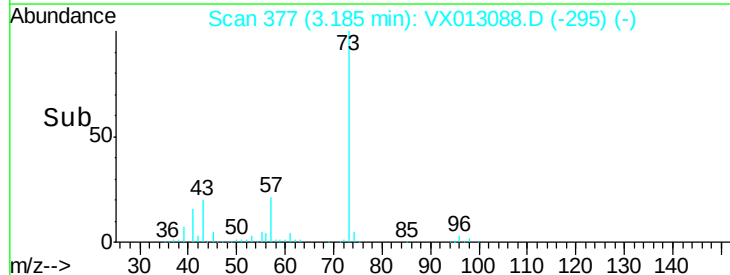
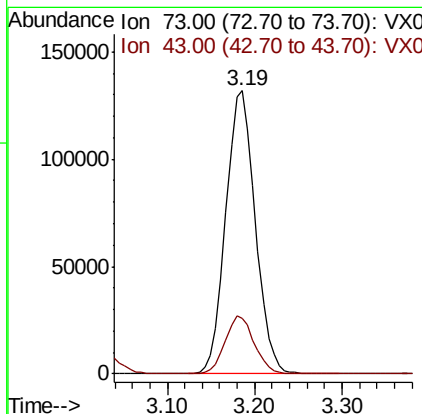
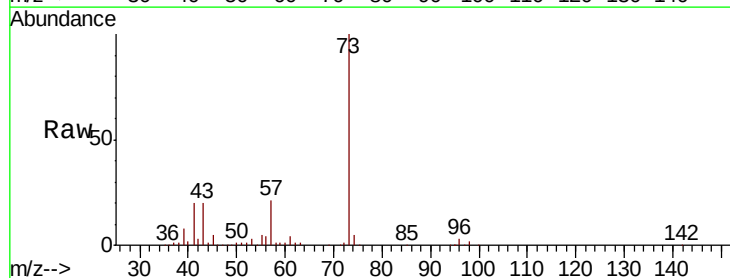
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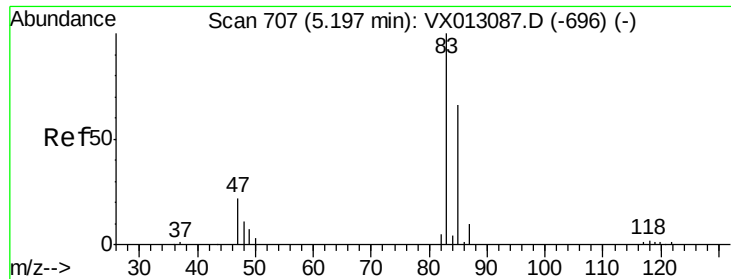


#24

Methyl tert-Butyl Ether
Concen: 55.720 ug/l
RT: 3.19 min Scan# 377
Delta R.T. -0.00 min
Lab File: VX013088.D
Acq: 16 Oct 2019 11:20

Tgt Ion	Ratio	Lower	Upper
73	100		
43	20.2	15.8	23.8





#25

Chloroform

Concen: 52.842 ug/l

RT: 5.20 min Scan# 707

Delta R.T. -0.00 min

Lab File: VX013088.D

Acq: 16 Oct 2019 11:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 83 Resp: 175095

Ion Ratio Lower Upper

83 100

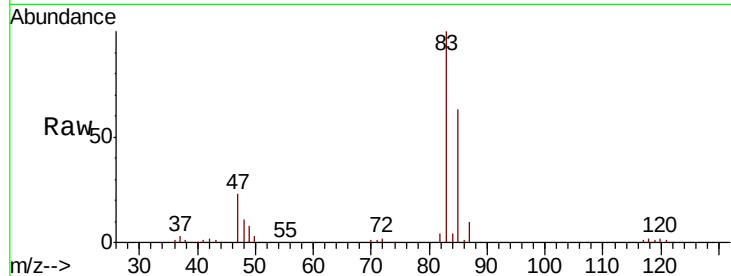
85 62.6 53.0 79.6

Manual Integrations

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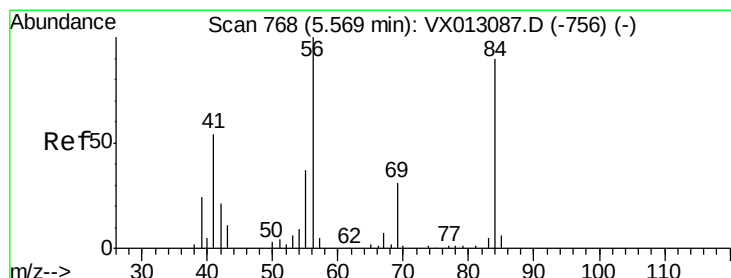
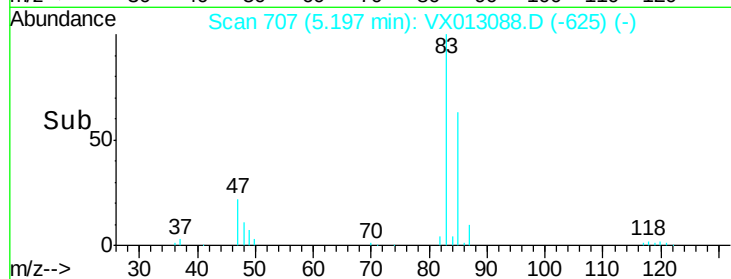
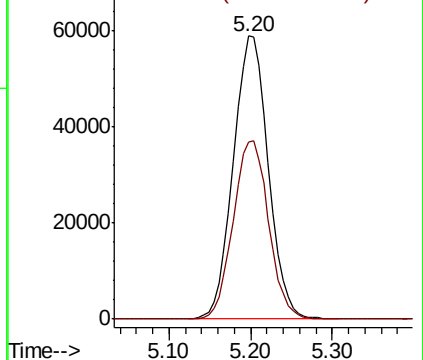
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Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#26

Cyclohexane

Concen: 54.394 ug/l

RT: 5.57 min Scan# 768

Delta R.T. -0.00 min

Lab File: VX013088.D

Acq: 16 Oct 2019 11:20

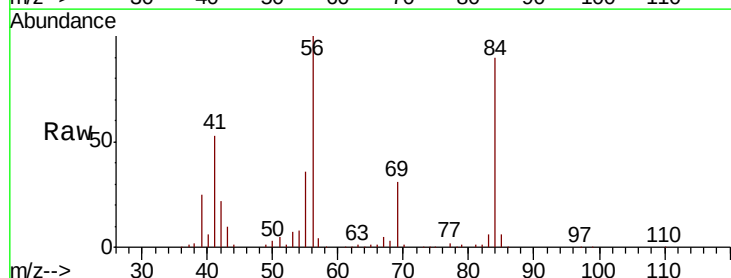
Tgt Ion: 56 Resp: 151201

Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

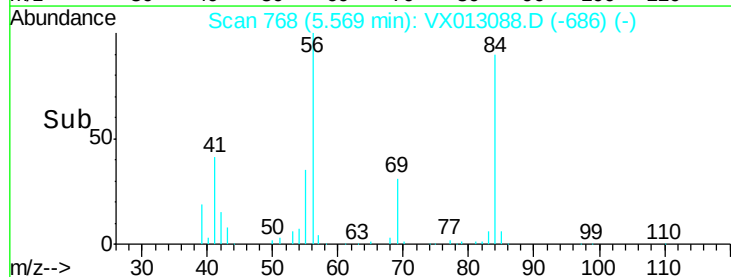
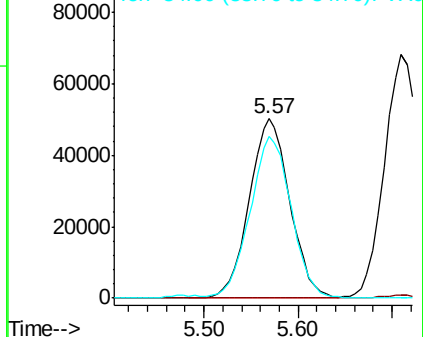
84 91.6 71.3 106.9

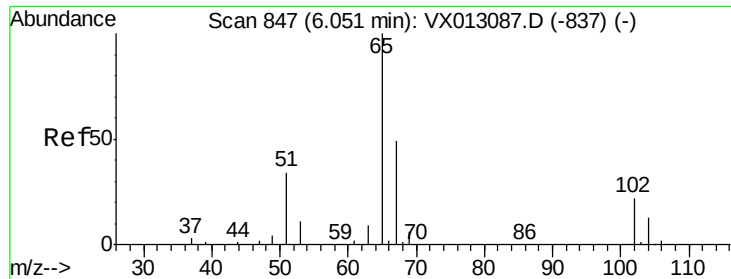


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





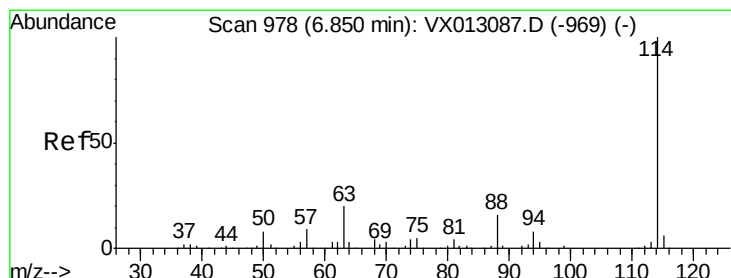
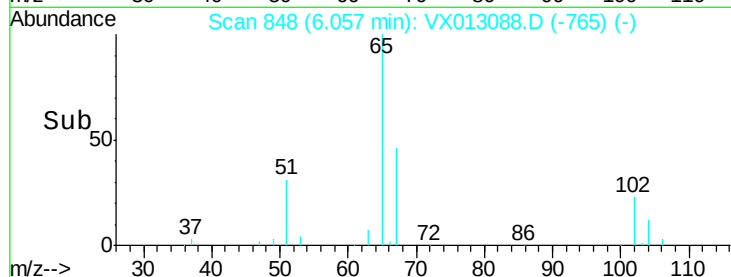
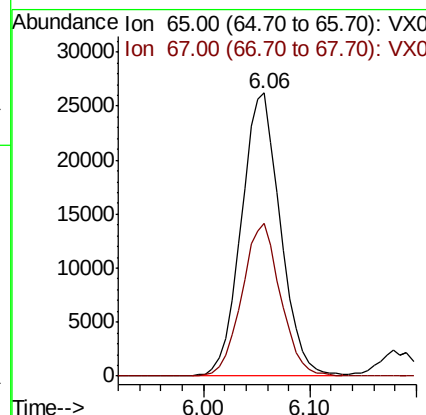
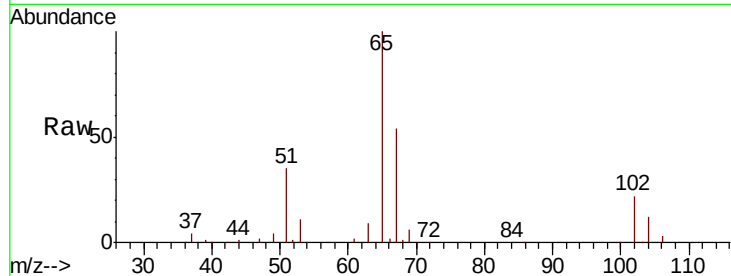
#27
 1,2-Dichloroethane-d4
 Concen: 31.977 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.01 min
 Lab File: VX013088.D
 Acq: 16 Oct 2019 11:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion: 65 Resp: 67653
 Ion Ratio Lower Upper
 65 100
 67 53.1 41.2 61.8

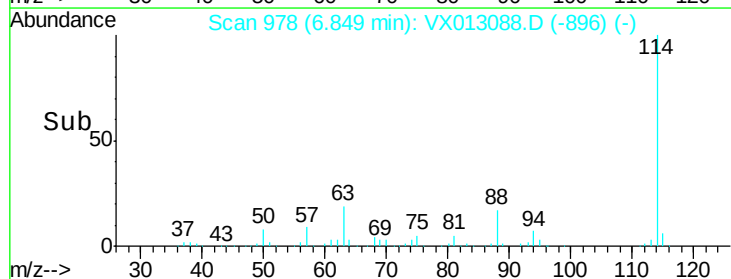
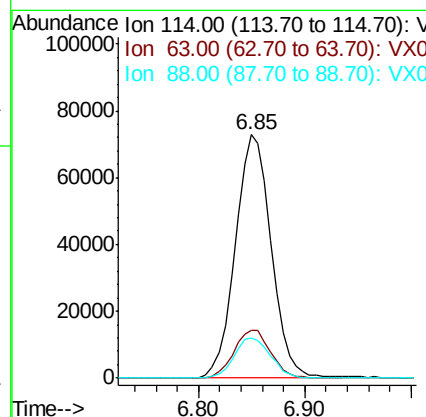
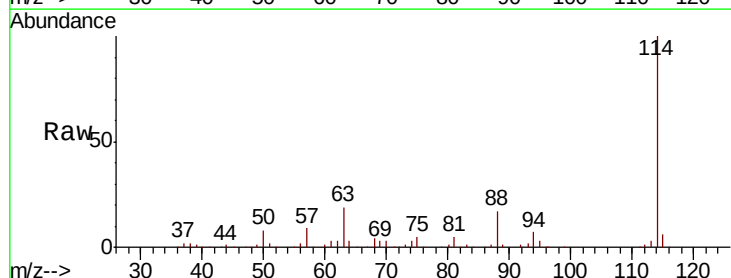
Manual Integrations
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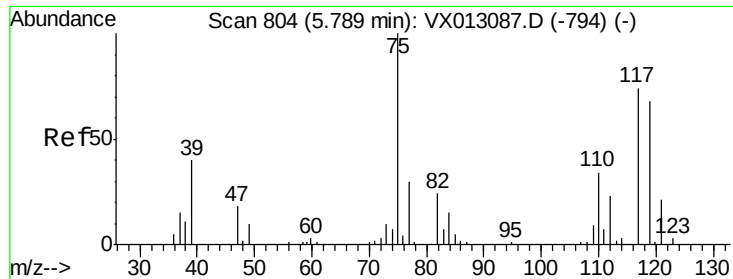
MMDadoda
 10/18/2019 4:51:47 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013088.D
 Acq: 16 Oct 2019 11:20

Tgt Ion: 114 Resp: 171849
 Ion Ratio Lower Upper
 114 100
 63 20.4 16.5 24.7
 88 16.9 13.6 20.4





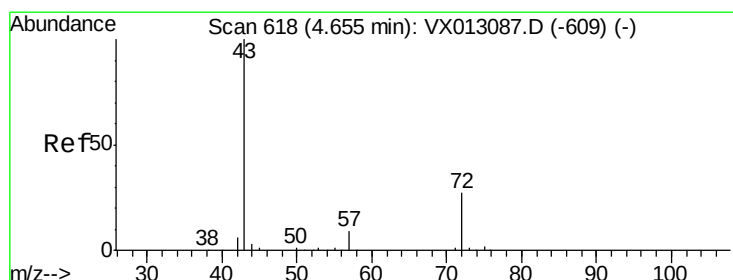
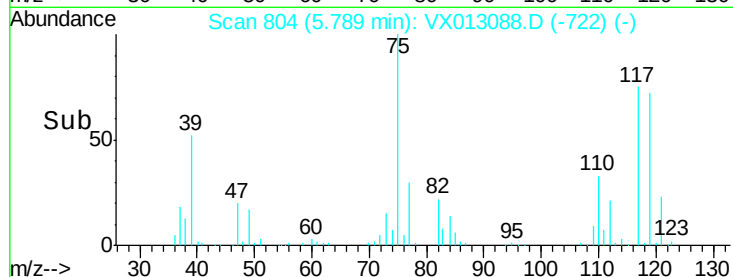
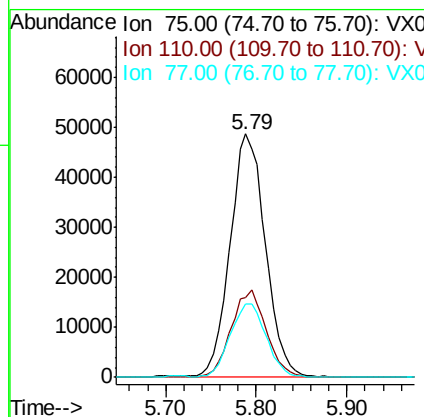
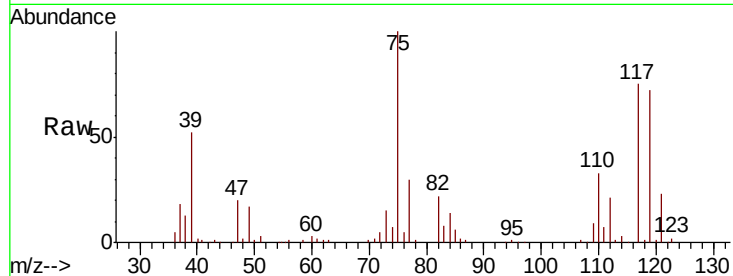
#29
 1,1-Dichloropropene
 Concen: 53.989 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. -0.00 min
 Lab File: VX013088.D
 Acq: 16 Oct 2019 11:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
75	100		
110	35.6	0.0	72.2
77	30.8	0.0	62.8

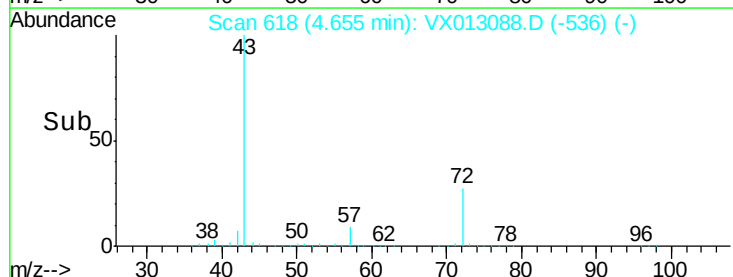
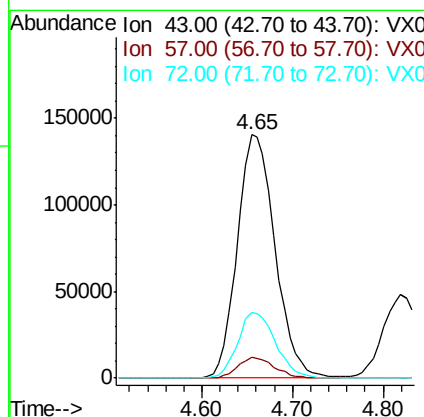
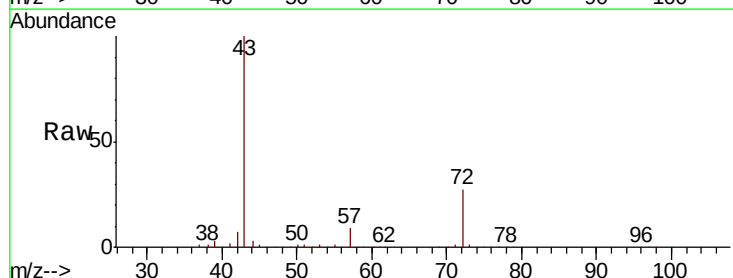
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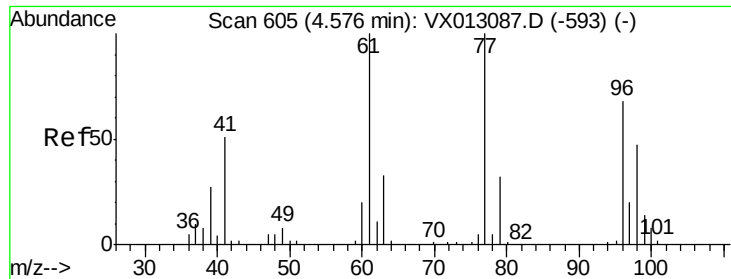
MMDadoda
 10/18/2019 4:51:47 PM



#30
 2-Butanone
 Concen: 296.046 ug/l
 RT: 4.65 min Scan# 618
 Delta R.T. -0.00 min
 Lab File: VX013088.D
 Acq: 16 Oct 2019 11:20

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.3	6.9	10.3
72	27.3	22.1	33.1





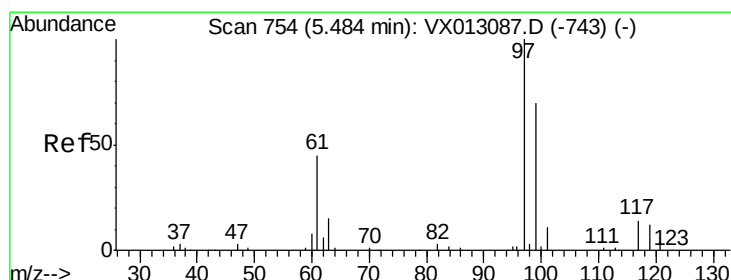
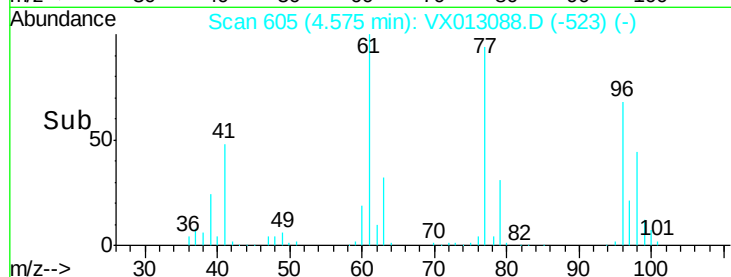
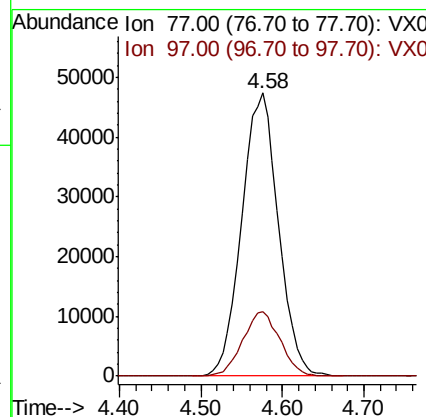
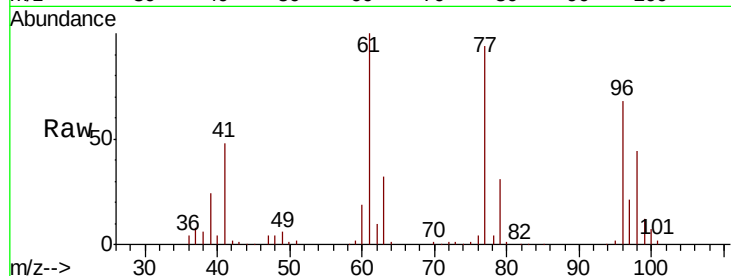
#31
 2,2-Dichloropropane
 Concen: 64.397 ug/l
 RT: 4.58 min Scan# 605
 Delta R.T. -0.00 min
 Lab File: VX013088.D
 Acq: 16 Oct 2019 11:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion: 77 Resp: 148082
 Ion Ratio Lower Upper
 77 100
 97 23.0 17.8 26.6

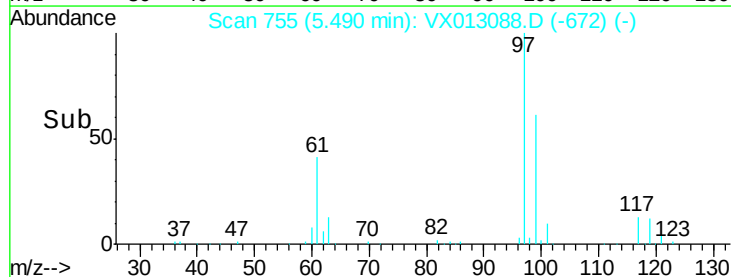
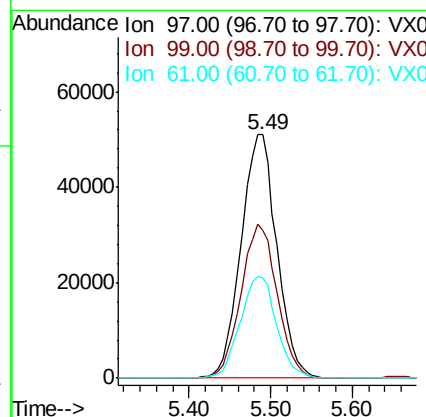
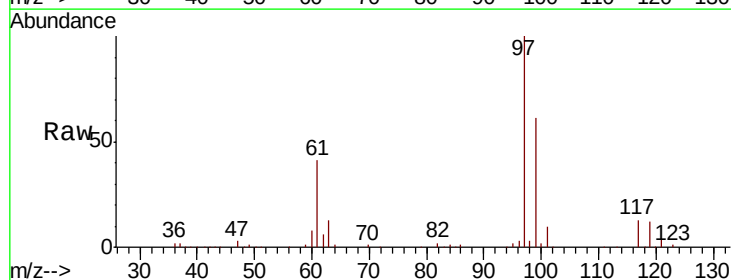
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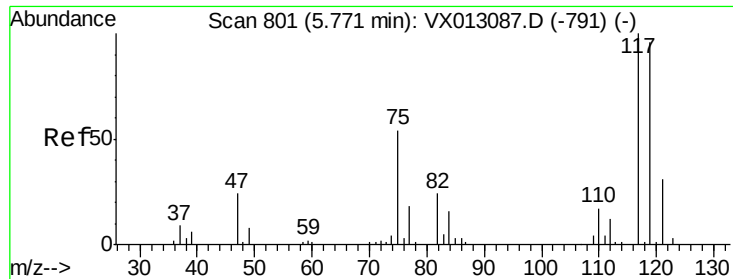
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#32
 1,1,1-Trichloroethane
 Concen: 52.562 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.01 min
 Lab File: VX013088.D
 Acq: 16 Oct 2019 11:20

Tgt Ion: 97 Resp: 155142
 Ion Ratio Lower Upper
 97 100
 99 63.9 52.4 78.6
 61 42.5 35.1 52.7





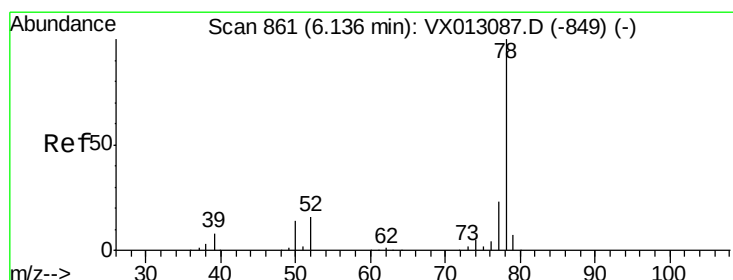
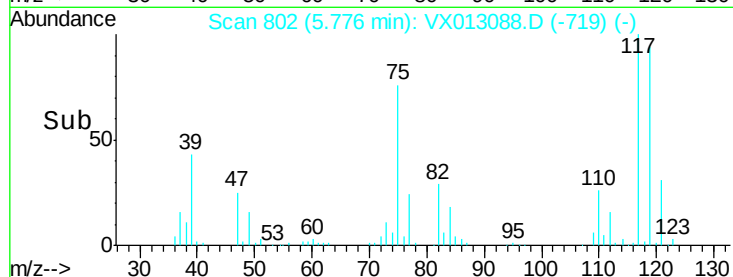
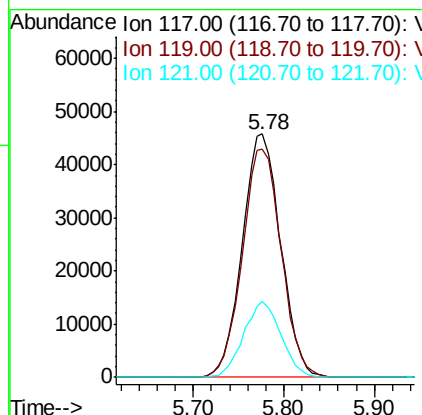
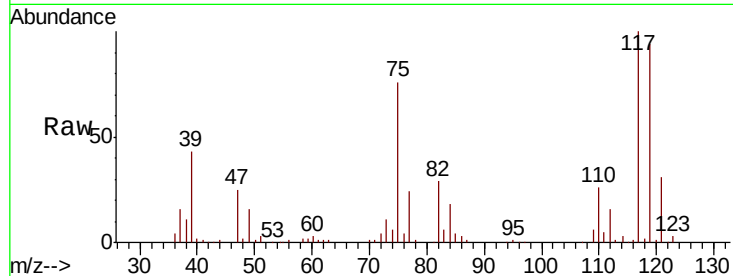
#33
Carbon Tetrachloride
Concen: 52.139 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.01 min
Lab File: VX013088.D
Acq: 16 Oct 2019 11:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
117	100		
119	93.5	77.0	115.4
121	31.2	24.6	36.8

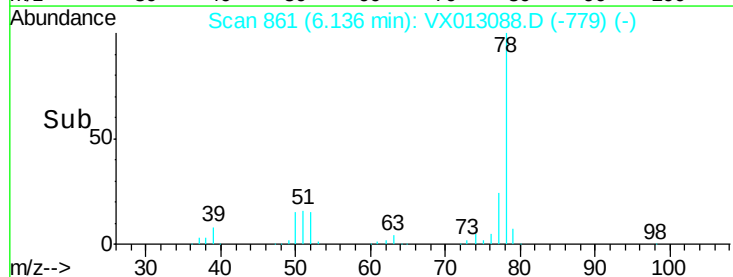
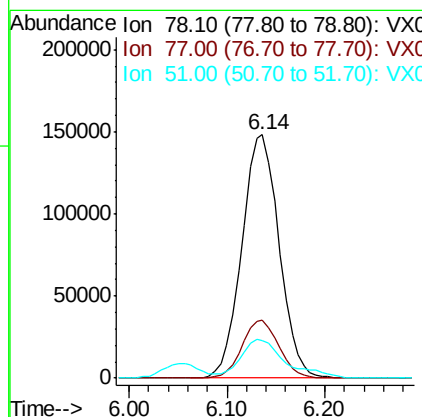
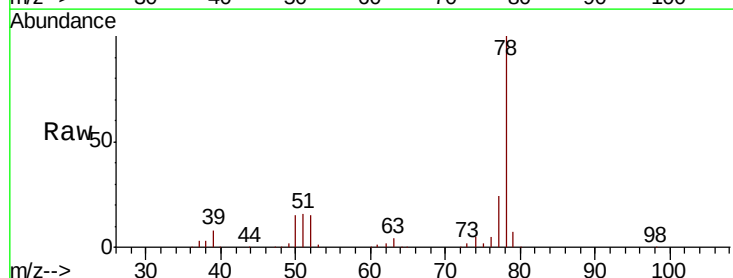
Manual Integrations
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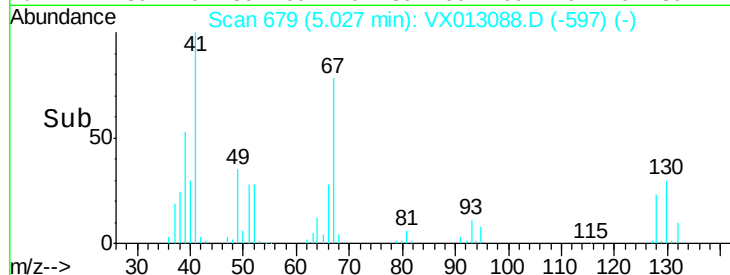
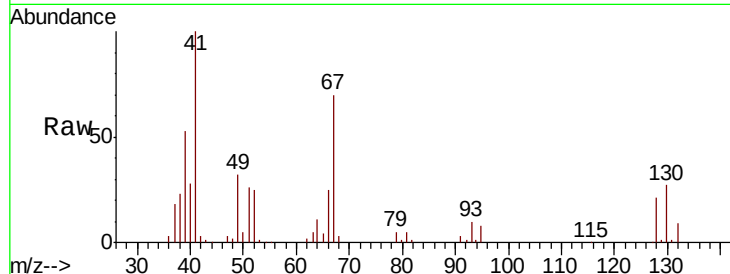
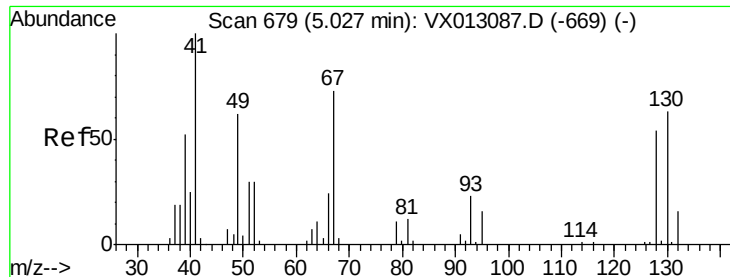
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#34
Benzene
Concen: 53.216 ug/l
RT: 6.14 min Scan# 861
Delta R.T. -0.00 min
Lab File: VX013088.D
Acq: 16 Oct 2019 11:20

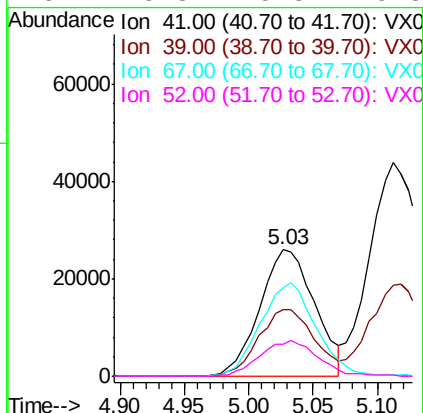
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.5	27.7
51	14.9	12.1	18.1





#35
Methacrylonitrile
Concen: 55.185 ug/l
RT: 5.03 min Scan# 679
Delta R.T. -0.00 min
Lab File: VX013088.D
Acq: 16 Oct 2019 11:20

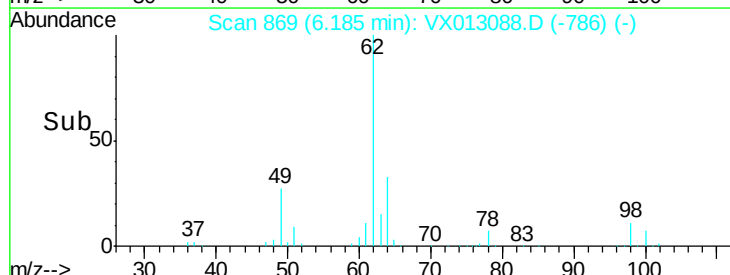
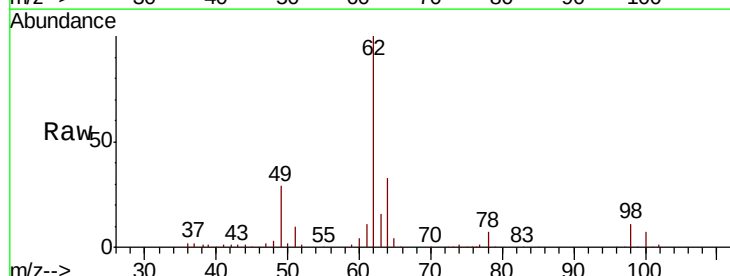
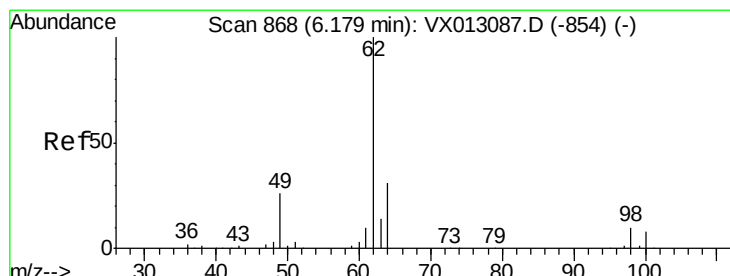
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.8	26.3	78.8	
67	70.2	36.5	109.5	
52	25.3	15.3	45.8	



Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

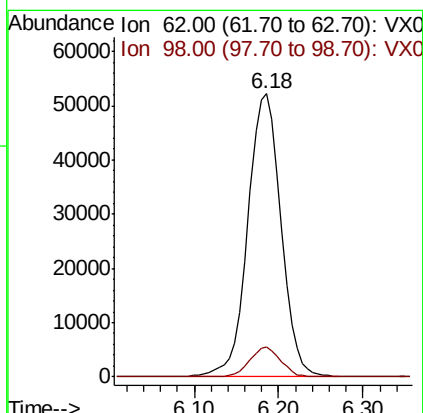
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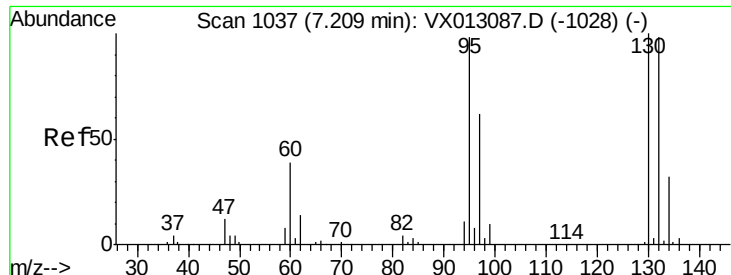
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#36
1,2-Dichloroethane
Concen: 52.726 ug/l
RT: 6.18 min Scan# 869
Delta R.T. 0.01 min
Lab File: VX013088.D
Acq: 16 Oct 2019 11:20

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.8	7.8	11.6	





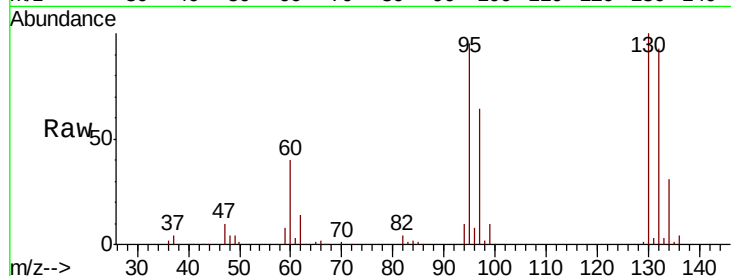
#37
 Trichloroethene
 Concen: 49.715 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. -0.00 min
 Lab File: VX013088.D
 Acq: 16 Oct 2019 11:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

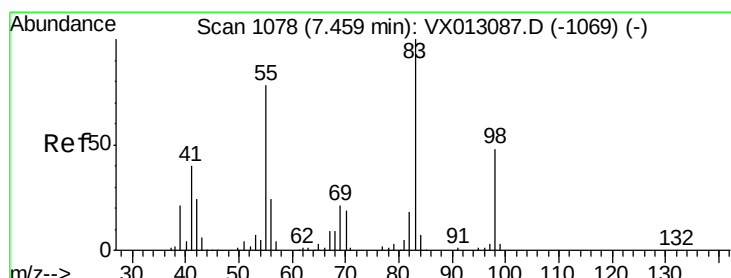
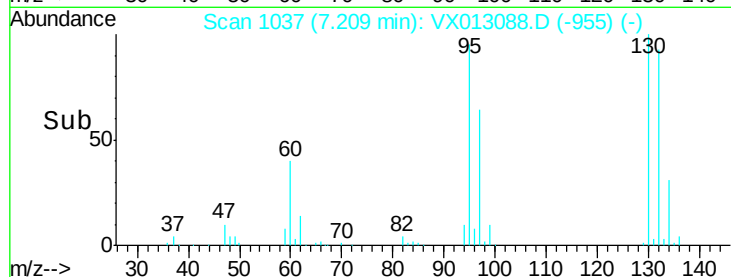
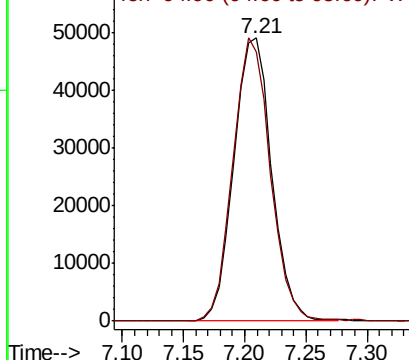
Tot Ion:130 Resp: 105140
 Ion Ratio Lower Upper
 130 100
 95 95.3 78.4 117.6

Manual Integrations
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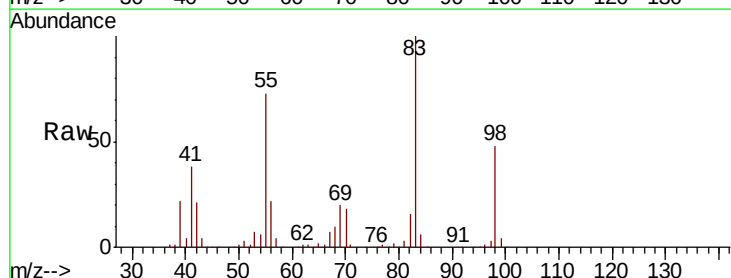


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VX0

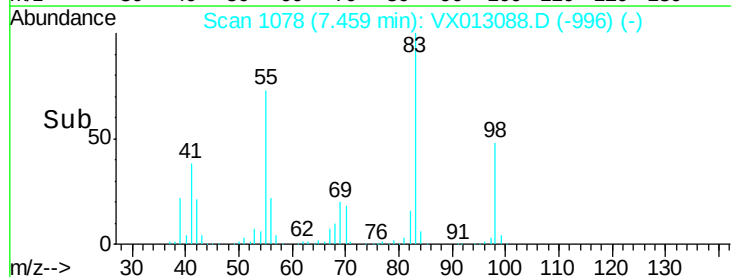
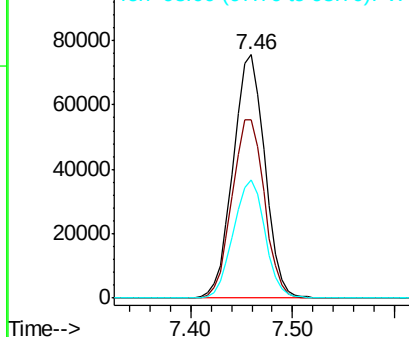


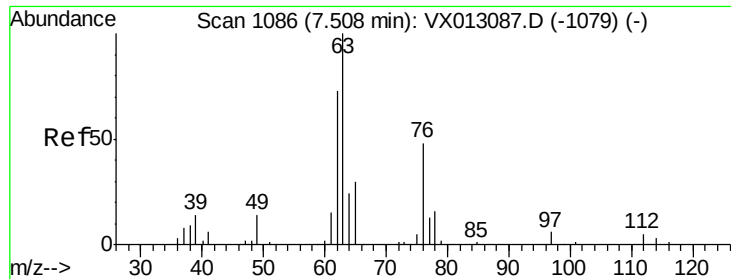
#38
 Methylcyclohexane
 Concen: 53.174 ug/l
 RT: 7.46 min Scan# 1078
 Delta R.T. -0.00 min
 Lab File: VX013088.D
 Acq: 16 Oct 2019 11:20

Tgt Ion: 83 Resp: 162812
 Ion Ratio Lower Upper
 83 100
 55 75.1 38.3 114.8
 98 48.6 24.9 74.7



Abundance Ion 83.00 (82.70 to 83.70): VX0
 Ion 55.00 (54.70 to 55.70): VX0
 Ion 98.00 (97.70 to 98.70): VX0





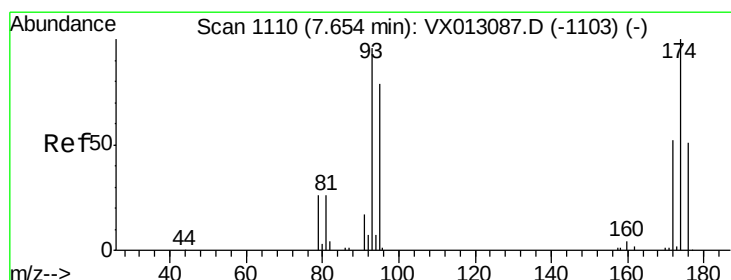
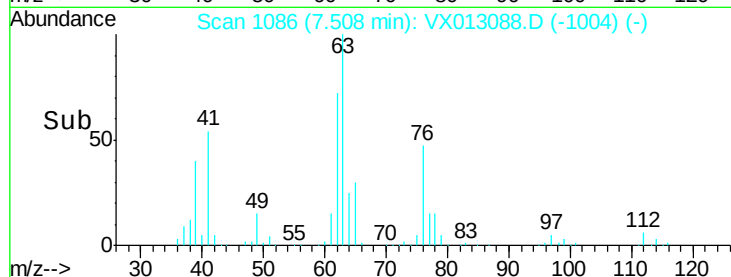
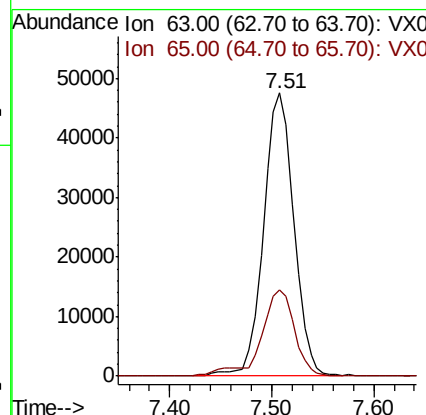
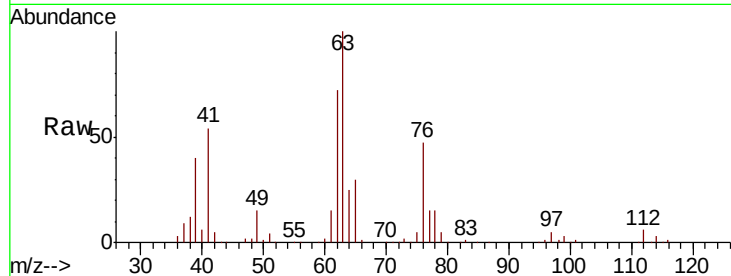
#39
 1,2-Dichloropropane
 Concen: 53.265 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: VX013088.D
 Acq: 16 Oct 2019 11:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion: 63 Resp: 98424
 Ion Ratio Lower Upper
 63 100
 65 30.3 25.6 38.4

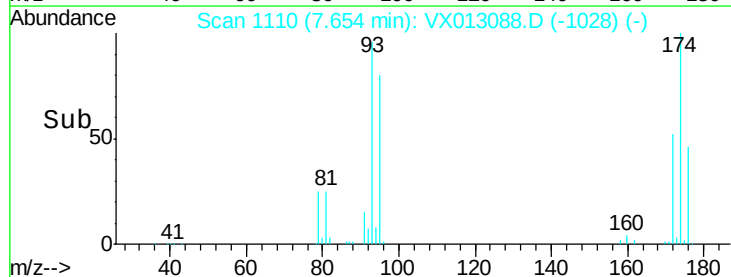
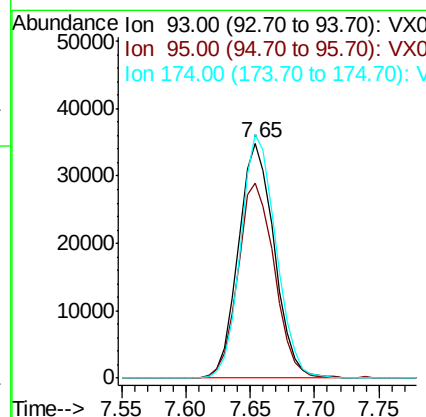
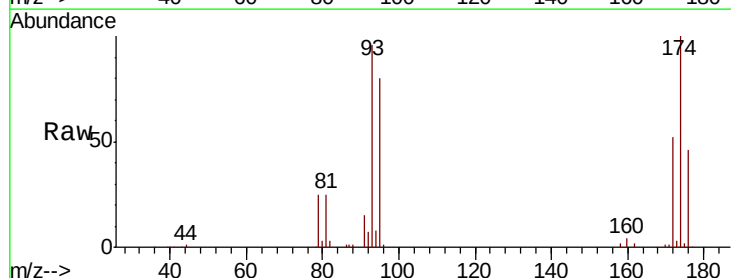
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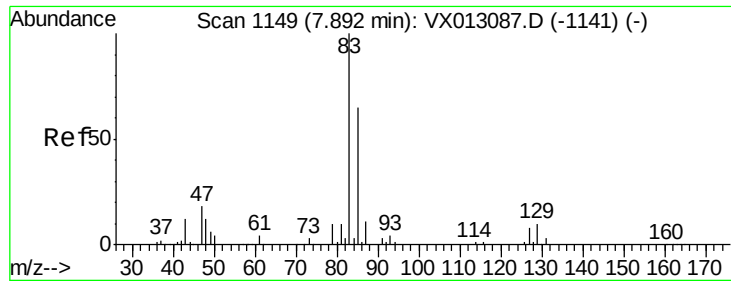
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#40
 Dibromomethane
 Concen: 50.768 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX013088.D
 Acq: 16 Oct 2019 11:20

Tgt Ion: 93 Resp: 67457
 Ion Ratio Lower Upper
 93 100
 95 84.0 0.0 171.2
 174 101.9 0.0 208.2





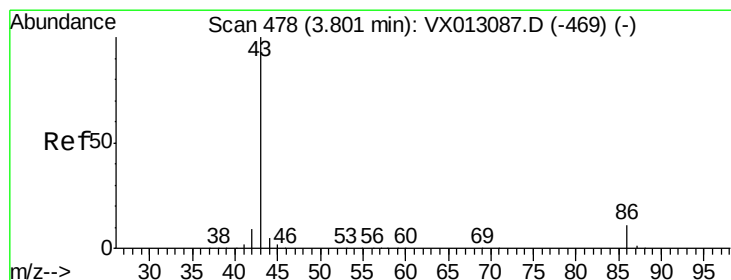
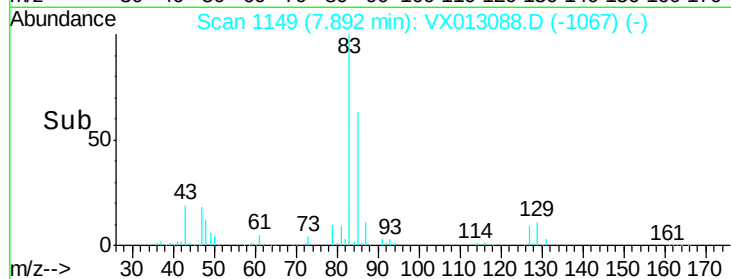
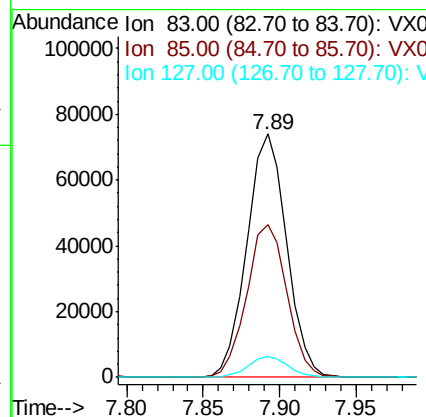
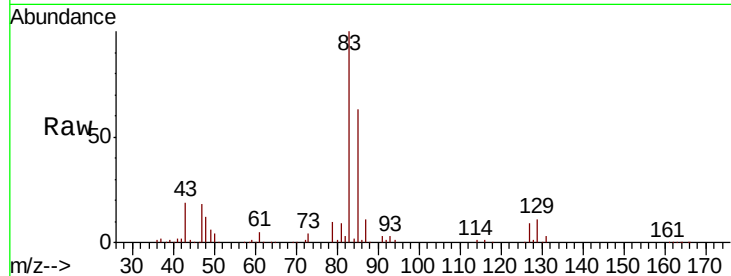
#41
 Bromodichloromethane
 Concen: 53.775 ug/l
 RT: 7.89 min Scan# 1149
 Delta R.T. -0.00 min
 Lab File: VX013088.D
 Acq: 16 Oct 2019 11:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	83	Resp	133694
Ion Ratio	100	Lower	Upper
83	100		
85	62.9	51.8	77.8
127	8.7	6.7	10.1

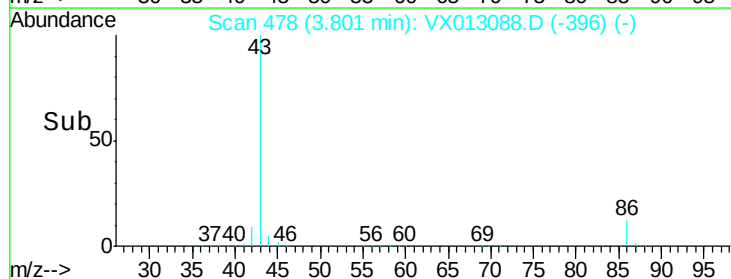
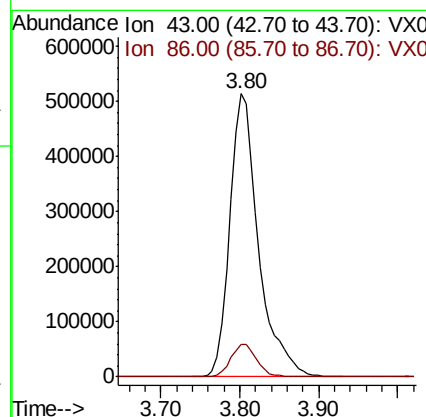
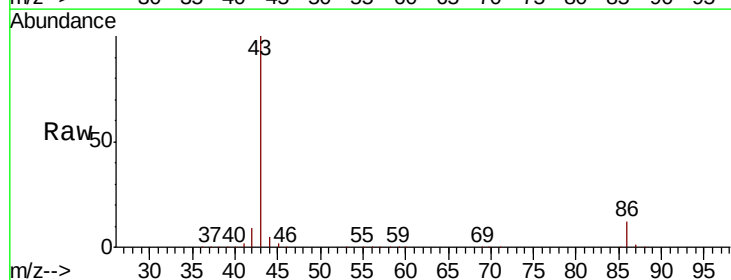
Manual Integrations
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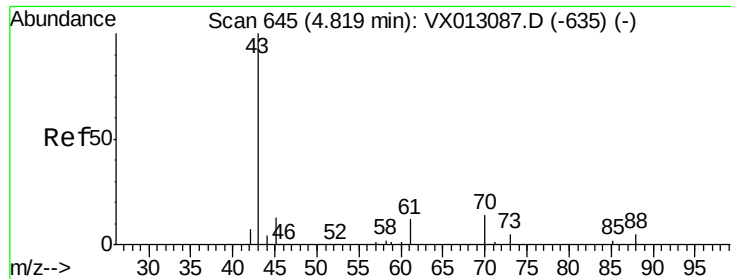
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#42
 Vinyl Acetate
 Concen: 291.138 ug/l
 RT: 3.80 min Scan# 478
 Delta R.T. -0.00 min
 Lab File: VX013088.D
 Acq: 16 Oct 2019 11:20

Tgt Ion	43	Resp	1300506
Ion Ratio	100	Lower	Upper
43	100		
86	10.3	8.2	12.2





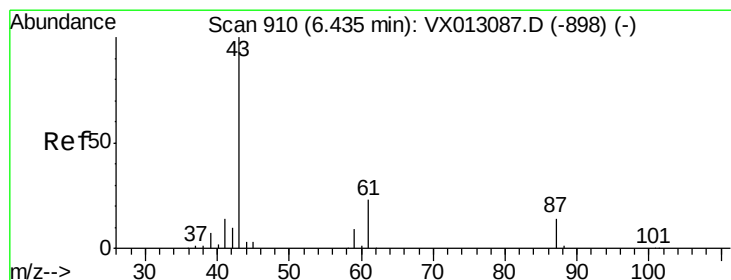
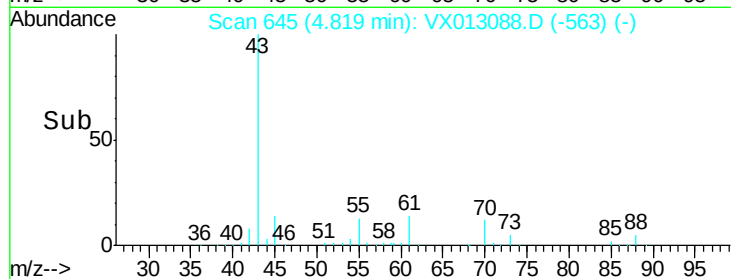
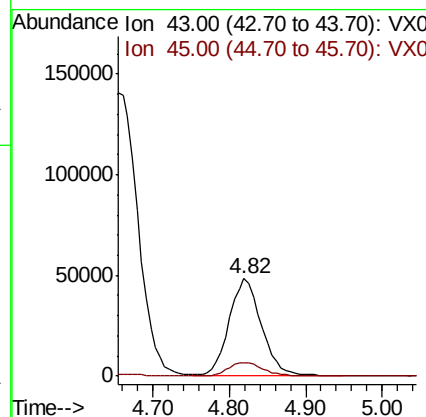
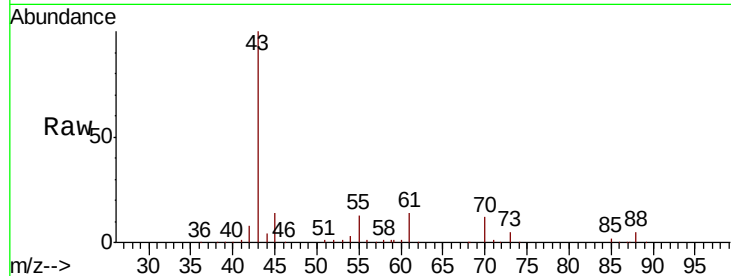
#43
Ethyl Acetate
Concen: 55.701 ug/l
RT: 4.82 min Scan# 645
Delta R.T. -0.00 min
Lab File: VX013088.D
Acq: 16 Oct 2019 11:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
43	100		
45	15.2	12.8	19.2

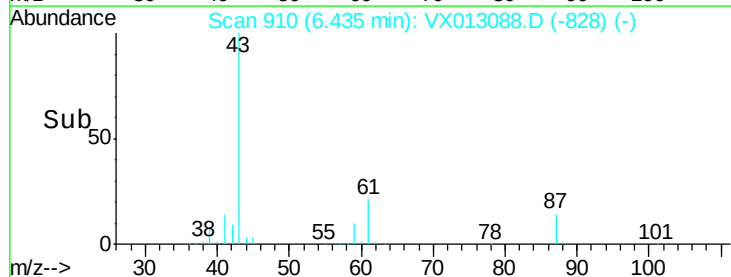
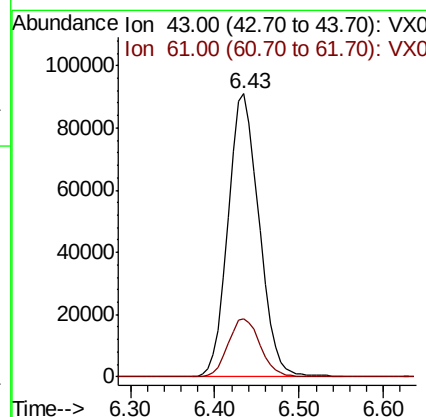
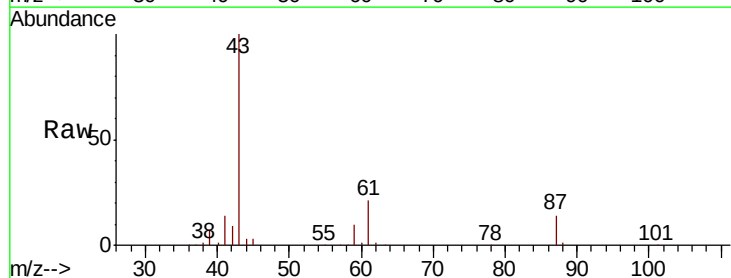
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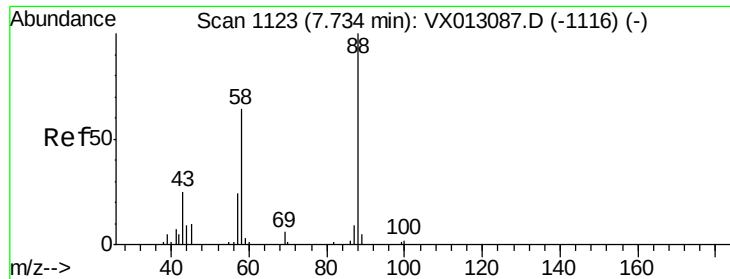
MMDadoda
10/18/2019 4:51:47 PM



#44
Isopropyl Acetate
Concen: 54.503 ug/l
RT: 6.43 min Scan# 910
Delta R.T. -0.00 min
Lab File: VX013088.D
Acq: 16 Oct 2019 11:20

Tgt Ion	Ratio	Lower	Upper
43	100		
61	21.2	16.7	25.1





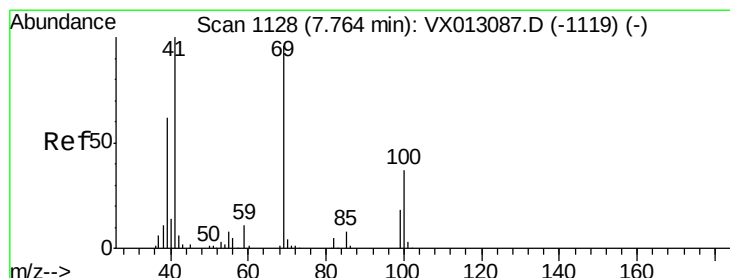
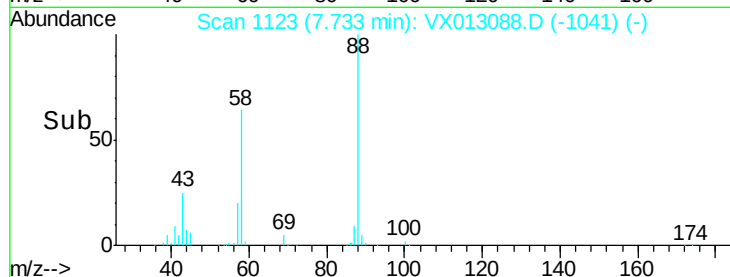
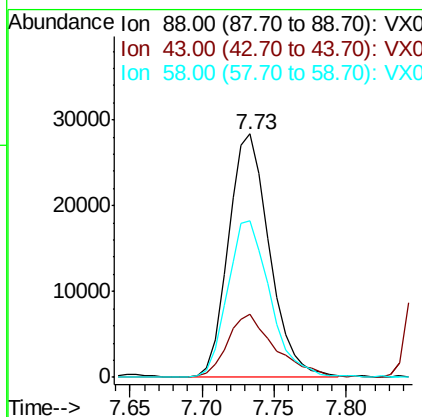
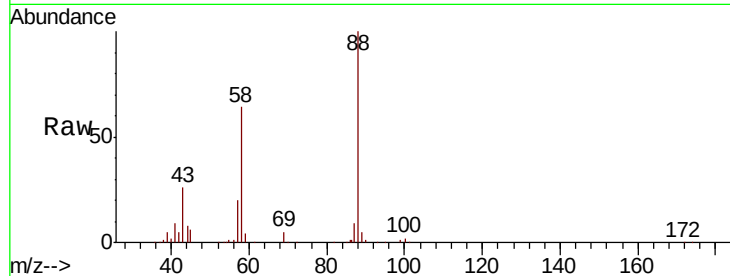
#45
1,4-Dioxane
Concen: 1071.857 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VX013088.D
Acq: 16 Oct 2019 11:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
88	100	56541		
43	29.9		26.0	39.0
58	66.7		53.0	79.4

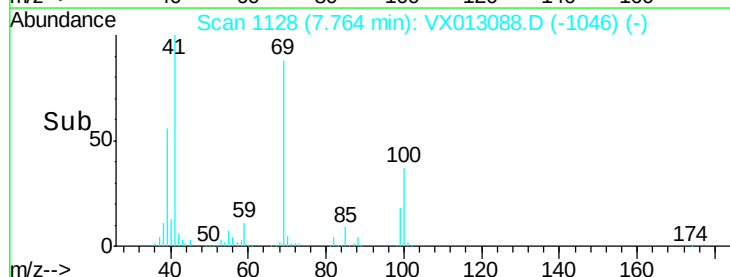
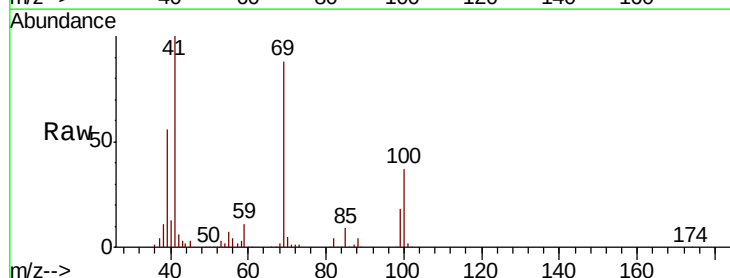
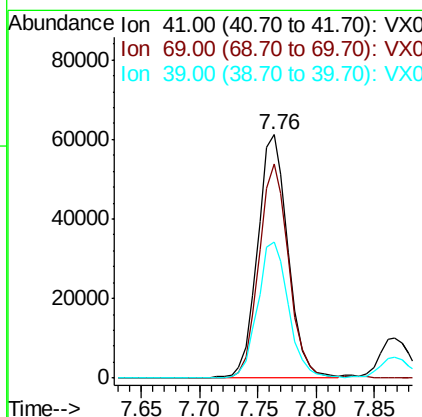
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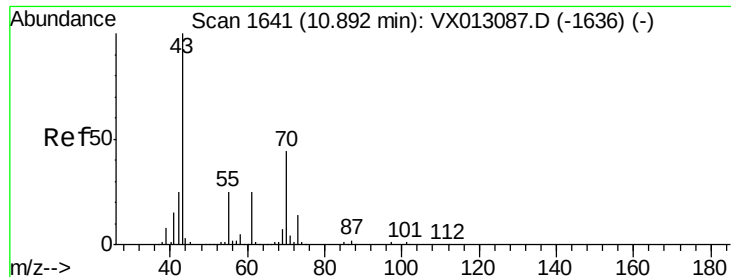
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10/18/2019 4:51:47 PM



#46
Methyl methacrylate
Concen: 55.048 ug/l
RT: 7.76 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX013088.D
Acq: 16 Oct 2019 11:20

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	111160		
69	88.2		48.1	144.3
39	55.7		31.2	93.6





#47

n-amvl Acetate

Concen: 53.523 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX013088.D

Acq: 16 Oct 2019 11:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 43 Resp: 196483

Ion Ratio Lower Upper

43 100

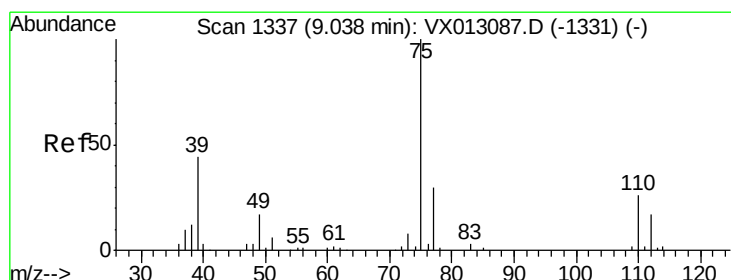
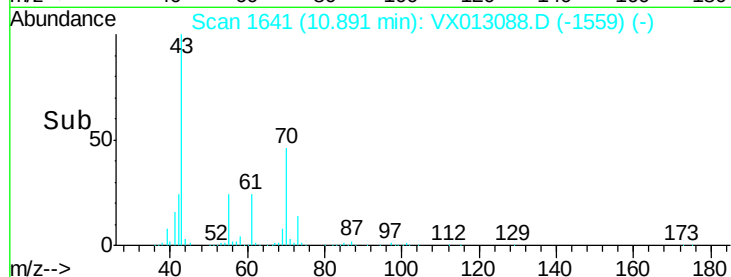
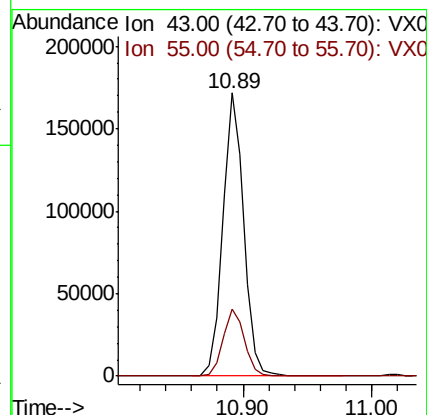
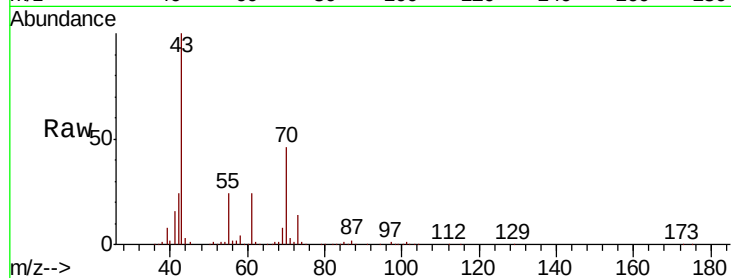
55 24.6 20.6 31.0

Manual Integrations

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10/18/2019 4:51:47 PM



#48

t-1,3-Dichloropropene

Concen: 56.647 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. -0.00 min

Lab File: VX013088.D

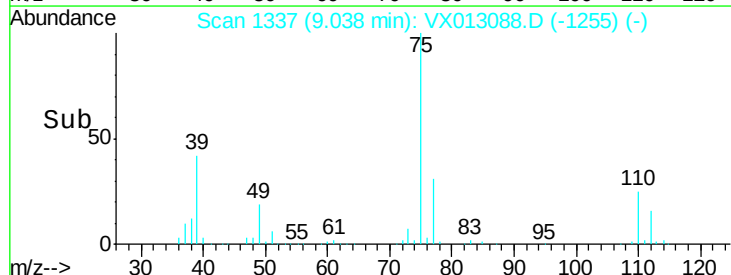
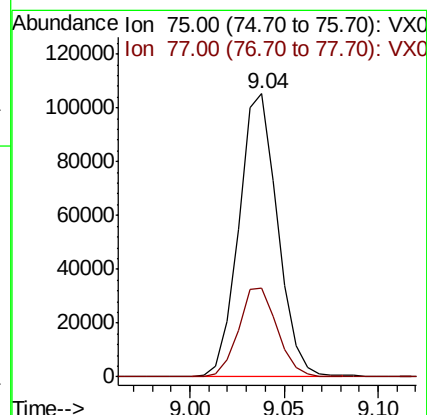
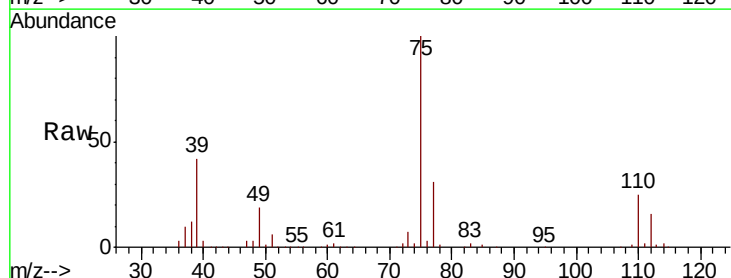
Acq: 16 Oct 2019 11:20

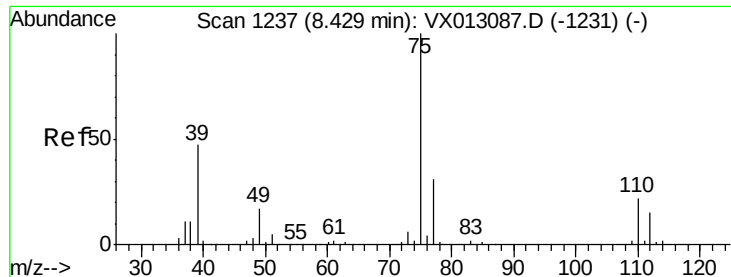
Tgt Ion: 75 Resp: 149331

Ion Ratio Lower Upper

75 100

77 31.5 23.7 35.5





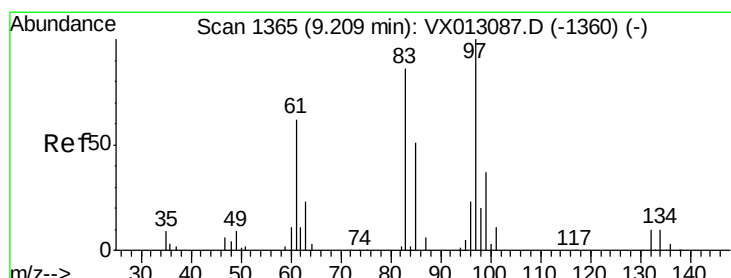
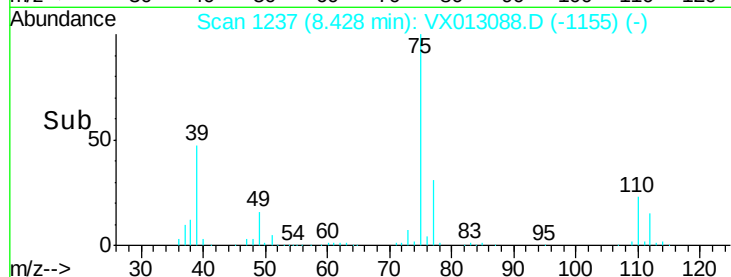
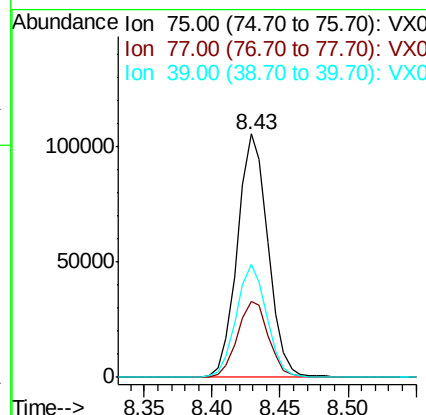
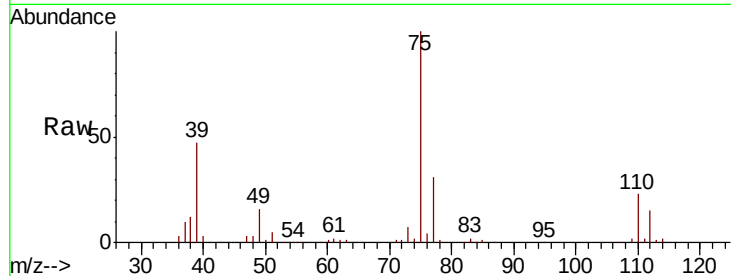
#49
 cis-1,3-Dichloropropene
 Concen: 57.295 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. -0.00 min
 Lab File: VX013088.D
 Acq: 16 Oct 2019 11:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
75	100	165199		
77	31.1		24.7	37.1
39	46.6		37.4	56.0

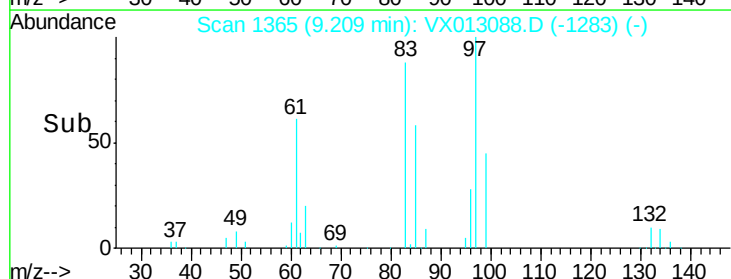
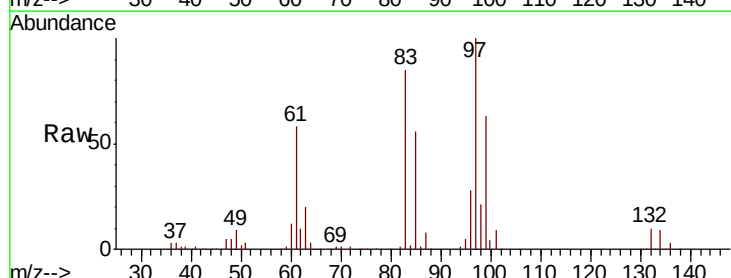
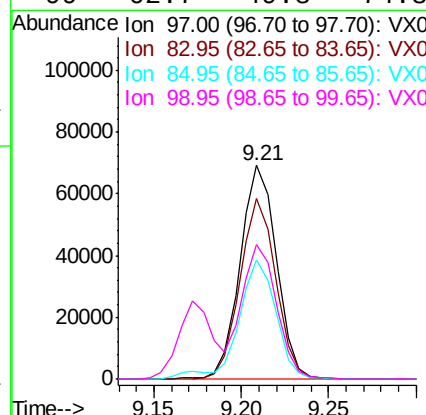
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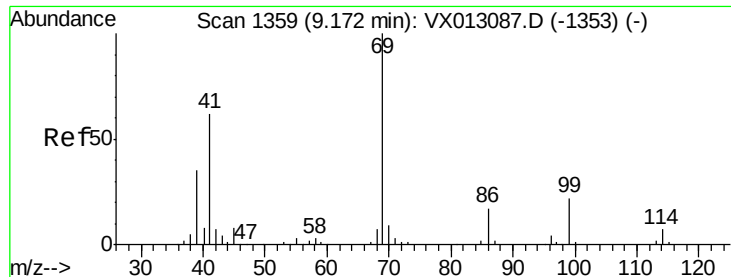
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#50
 1,1,2-Trichloroethane
 Concen: 51.231 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX013088.D
 Acq: 16 Oct 2019 11:20

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	100313		
83	84.7		68.1	102.1
85	55.5		42.6	64.0
99	62.7		49.8	74.8





#51

Ethyl methacrylate

Concen: 52.572 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. -0.00 min

Lab File: VX013088.D

Acq: 16 Oct 2019 11:20

Instrument :

MSVOA_X

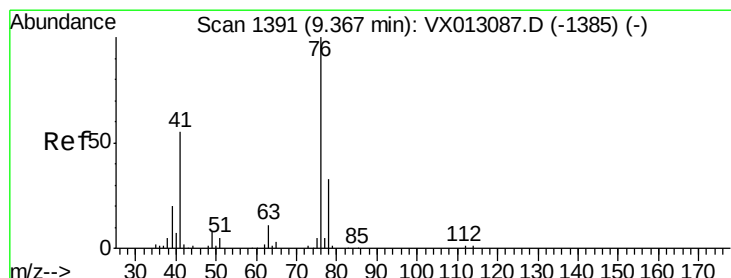
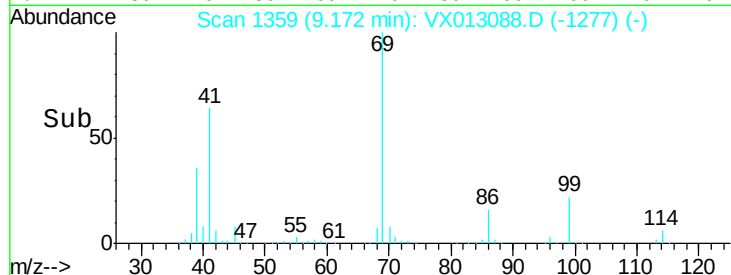
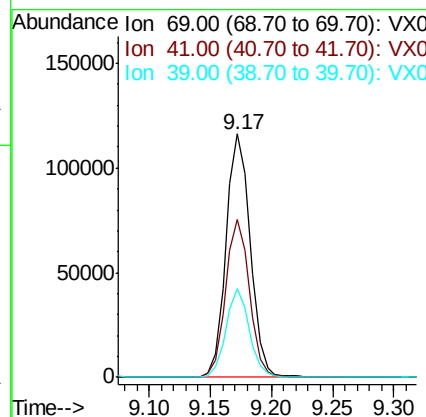
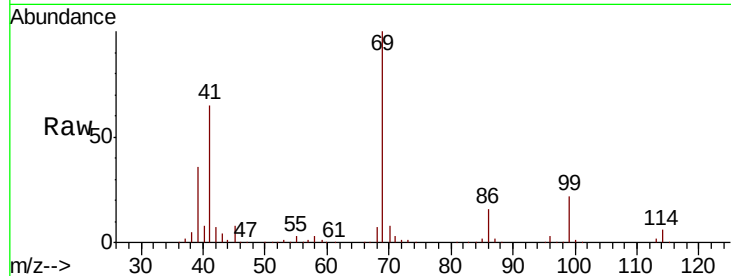
ClientSampleId :

VSTDIC050

Tot Ion:	69	Resp:	159982
Ion	Ratio	Lower	Upper
69	100		
41	64.9	31.1	93.3
39	36.3	17.6	52.9

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#52

1,3-Dichloropropane

Concen: 53.162 ug/l

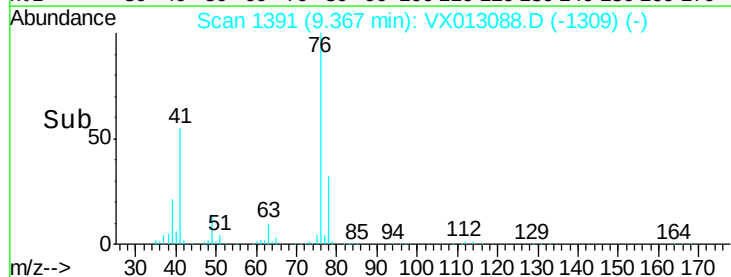
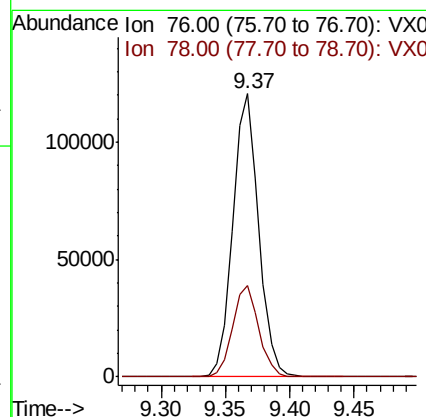
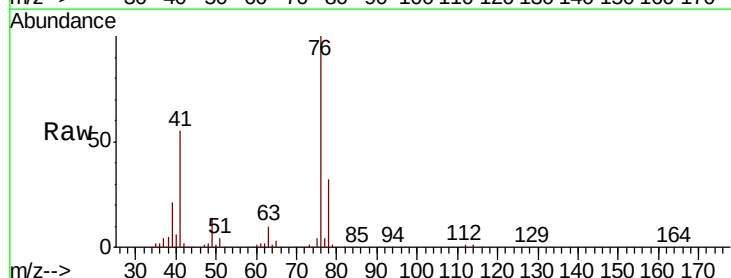
RT: 9.37 min Scan# 1391

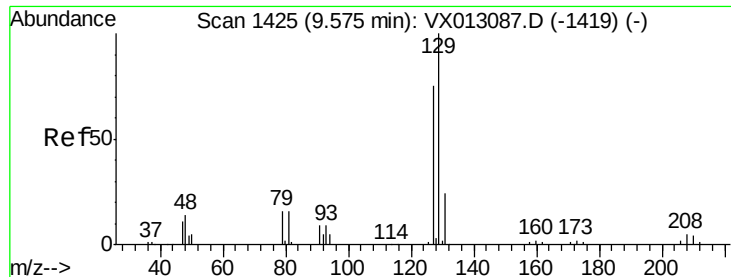
Delta R.T. -0.00 min

Lab File: VX013088.D

Acq: 16 Oct 2019 11:20

Tgt Ion:	76	Resp:	169340
Ion	Ratio	Lower	Upper
76	100		
78	32.6	0.0	64.2





#53

Dibromochloromethane

Concen: 49.973 ug/l

RT: 9.58 min Scan# 1426

Delta R.T. 0.01 min

Lab File: VX013088.D

Acq: 16 Oct 2019 11:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion:129 Resp: 105446

Ion Ratio Lower Upper

129 100

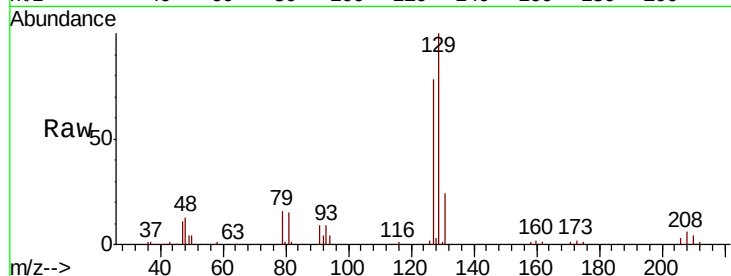
127 76.9 38.0 113.9

Manual Integrations

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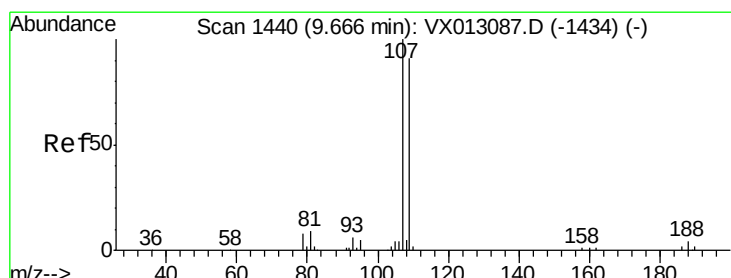
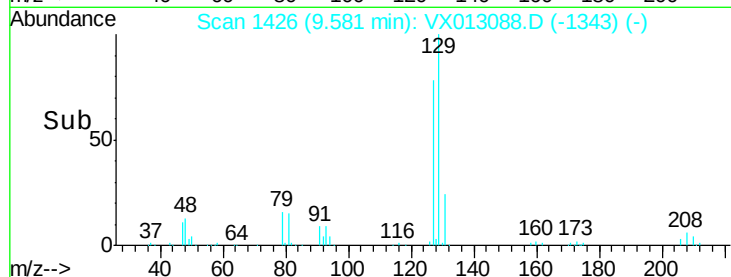
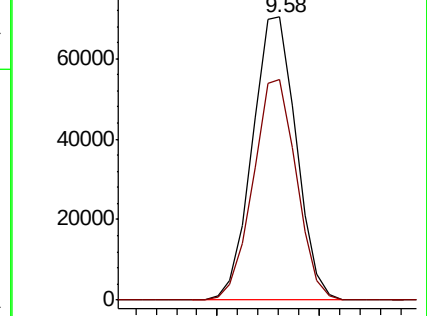
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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 49.241 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX013088.D

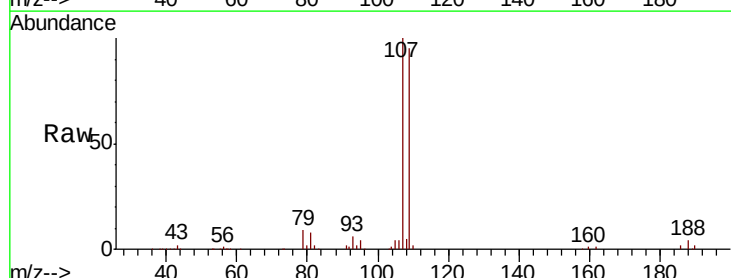
Acq: 16 Oct 2019 11:20

Tgt Ion:107 Resp: 104959

Ion Ratio Lower Upper

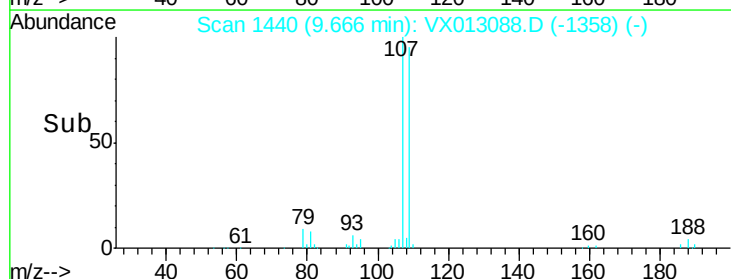
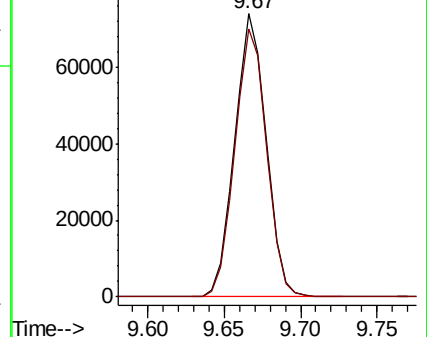
107 100

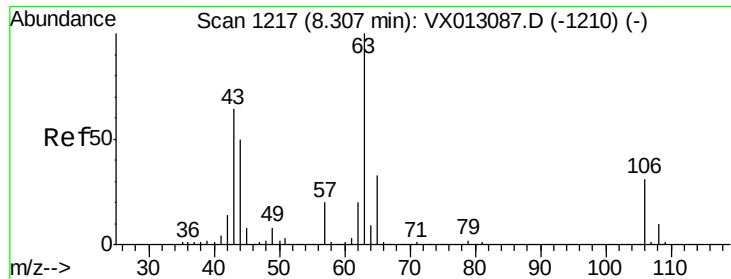
109 95.8 73.6 110.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 278.921 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VX013088.D

Acq: 16 Oct 2019 11:20

Instrument :

MSVOA_X

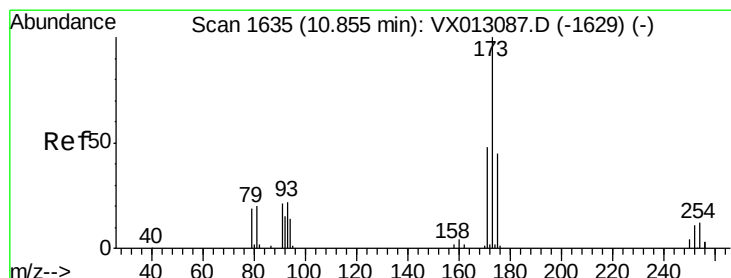
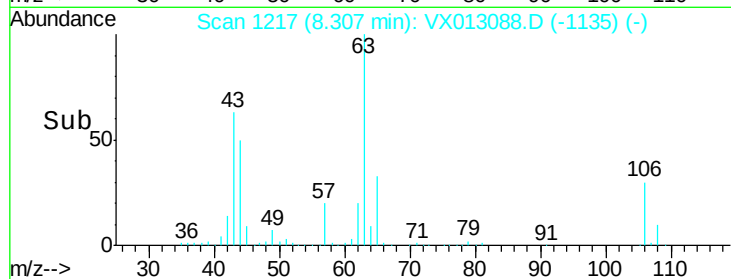
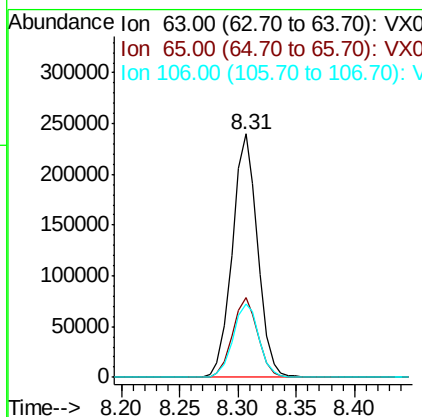
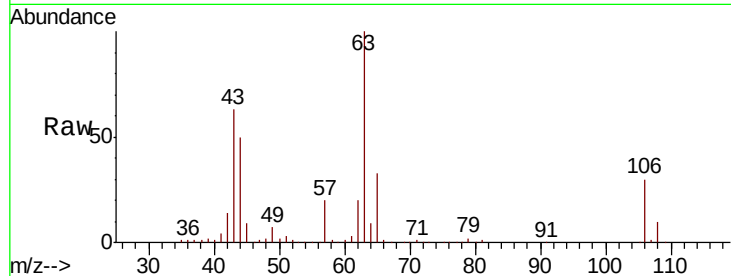
ClientSampleId :

VSTDIC050

Tot Ion:	63	Resp:	363415
Ion	Ratio	Lower	Upper
63	100		
65	32.6	25.9	38.9
106	31.0	24.3	36.5

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#56

Bromoform

Concen: 47.122 ug/l

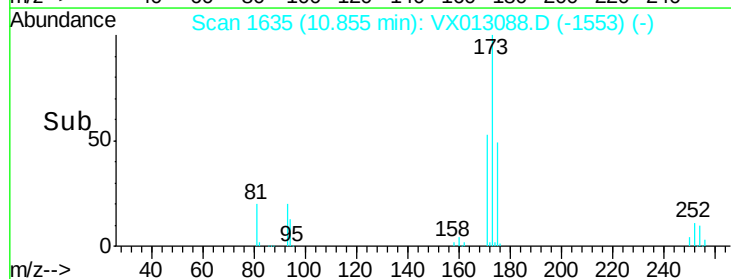
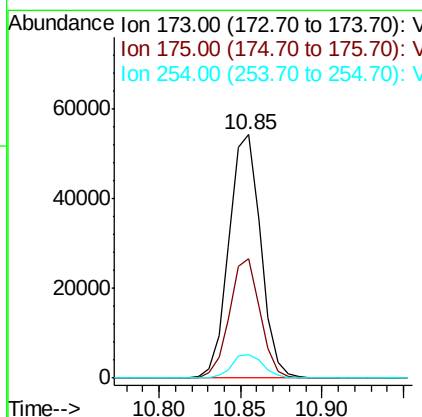
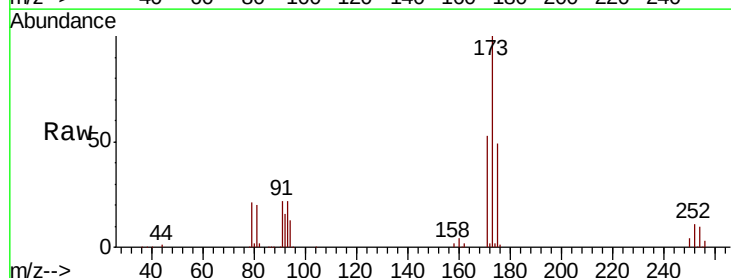
RT: 10.85 min Scan# 1635

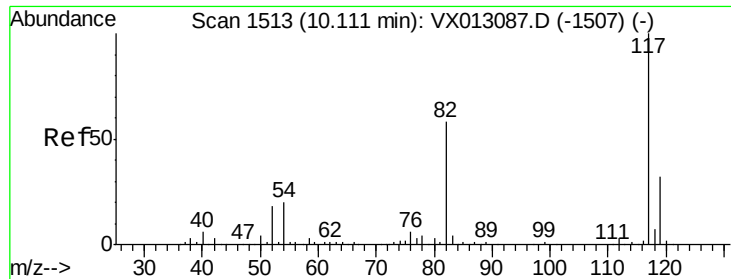
Delta R.T. -0.00 min

Lab File: VX013088.D

Acq: 16 Oct 2019 11:20

Tgt Ion:	173	Resp:	73372
Ion	Ratio	Lower	Upper
173	100		
175	47.6	37.8	56.8
254	9.8	7.9	11.9





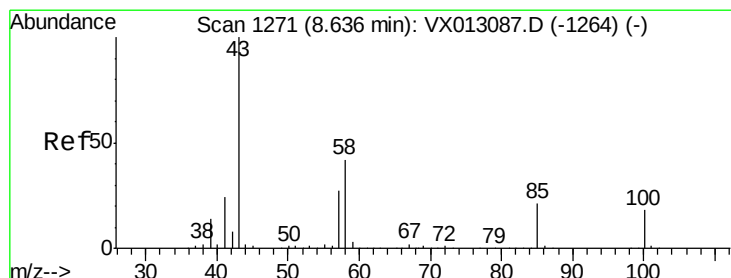
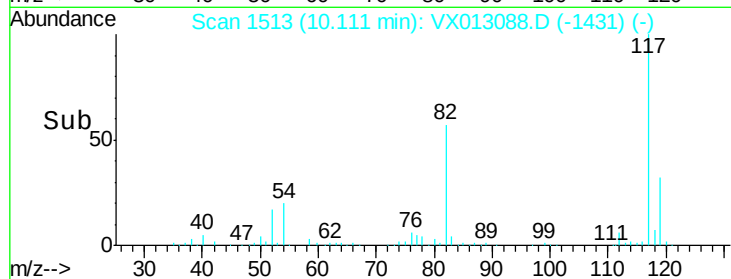
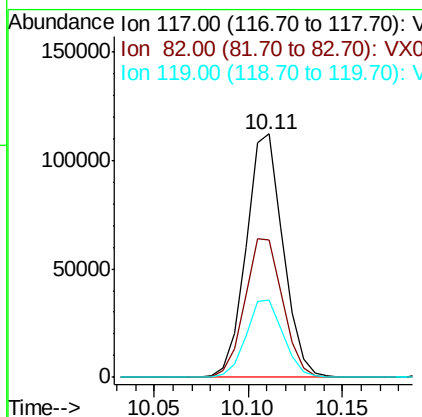
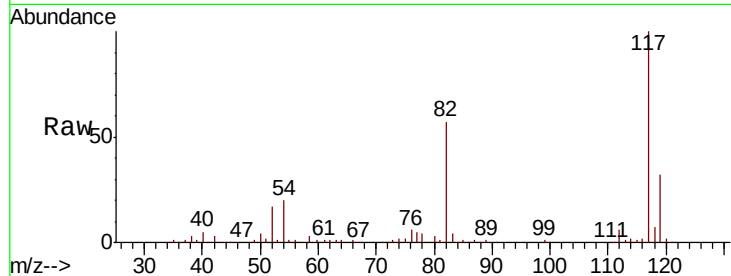
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013088.D
Acq: 16 Oct 2019 11:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.5	46.7	70.1
119	32.1	25.8	38.6

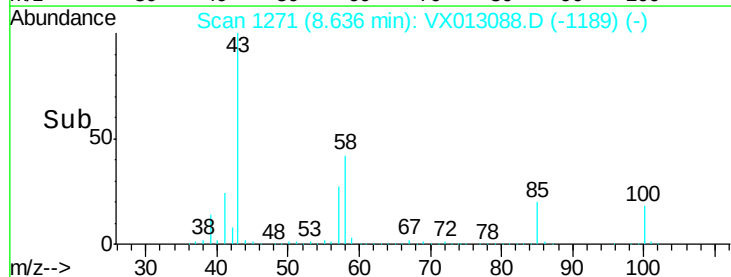
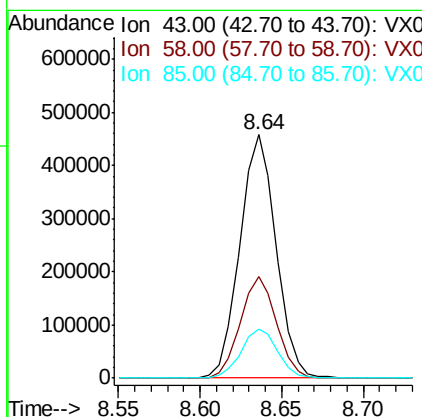
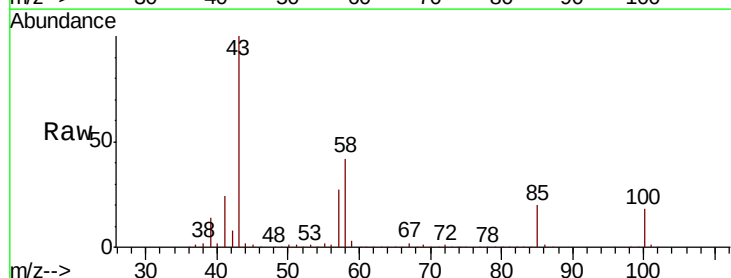
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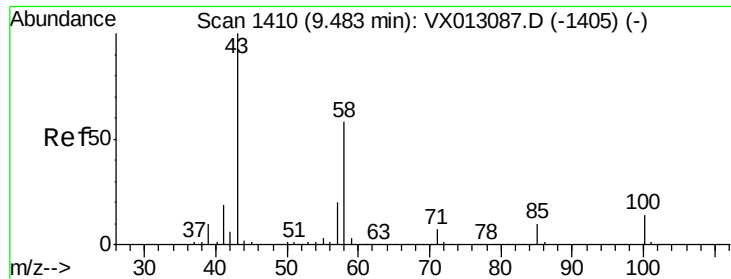
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10/18/2019 4:51:47 PM



#58
4-Methyl-2-Pentanone
Concen: 271.718 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VX013088.D
Acq: 16 Oct 2019 11:20

Tgt Ion	Ratio	Lower	Upper
43	100		
58	41.4	33.0	49.4
85	20.3	16.0	24.0





#59

2-Hexanone

Concen: 281.135 ug/l

RT: 9.49 min Scan# 1411

Delta R.T. 0.01 min

Lab File: VX013088.D

Acq: 16 Oct 2019 11:20

Instrument :

MSVOA_X

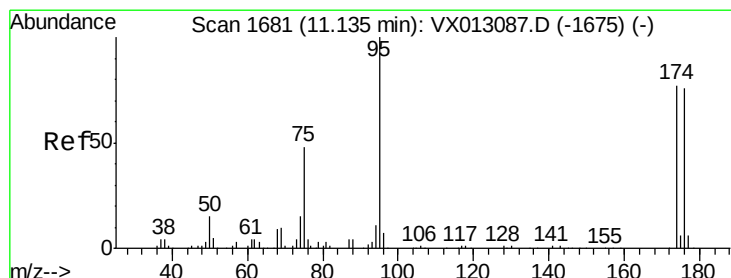
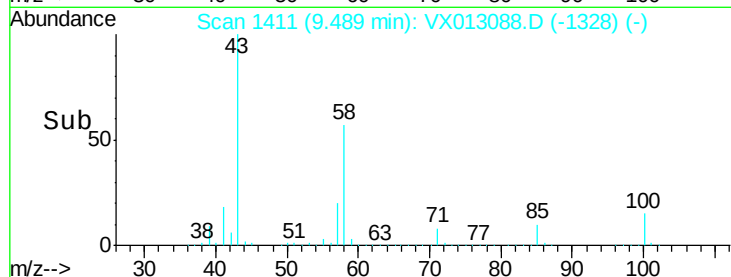
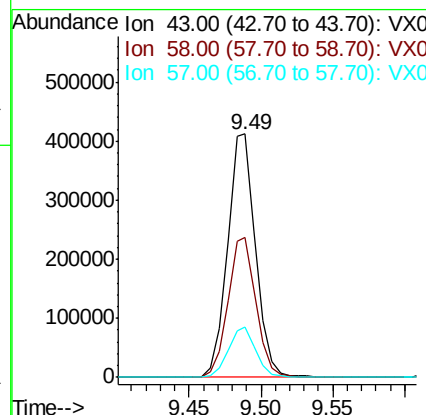
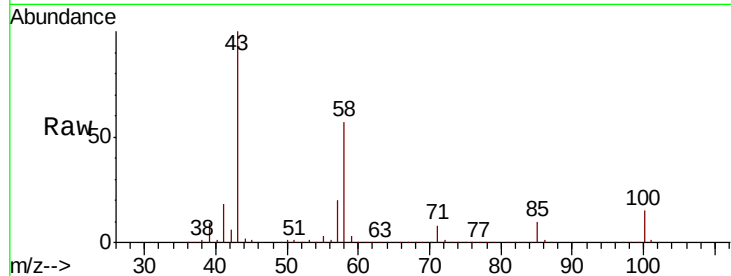
ClientSampleId :

VSTDIC050

Tot Ion:	43	Resp:	564058
Ion Ratio	Lower	Upper	
43	100		
58	57.3	45.4	68.2
57	20.4	16.2	24.2

Manual Integrations
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#60

4-Bromofluorobenzene

Concen: 31.026 ug/l

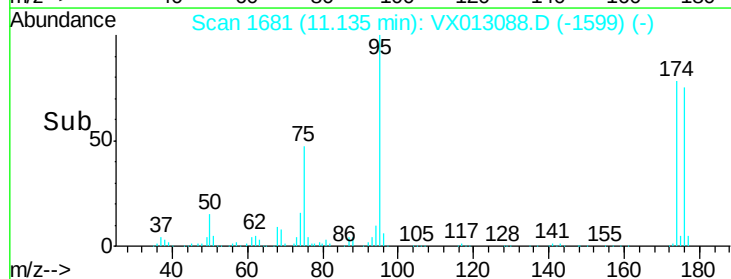
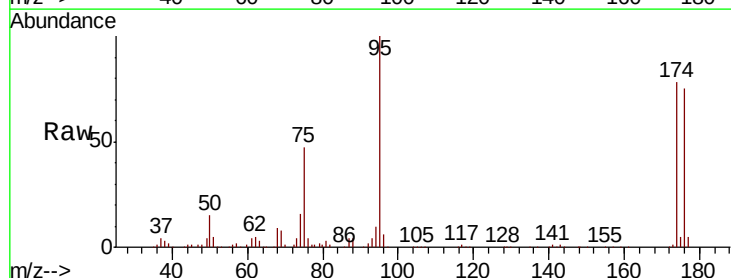
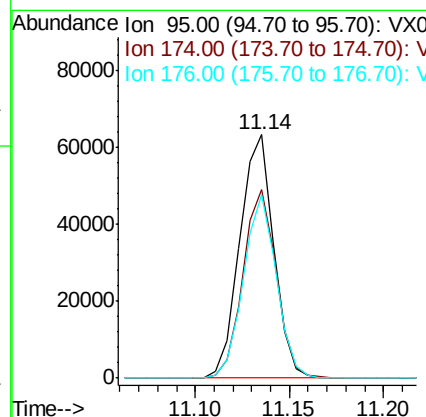
RT: 11.14 min Scan# 1681

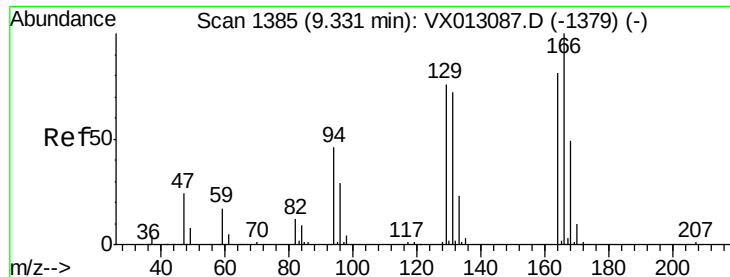
Delta R.T. -0.00 min

Lab File: VX013088.D

Acq: 16 Oct 2019 11:20

Tgt Ion:	95	Resp:	79042
Ion Ratio	Lower	Upper	
95	100		
174	75.9	58.8	88.2
176	73.1	56.6	84.8





#61

Tetrachloroethene

Concen: 50.263 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VX013088.D

Acq: 16 Oct 2019 11:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion:164 Resp: 100747

Ion Ratio Lower Upper

164 100

166 127.3 98.4 147.6

129 99.5 75.2 112.8

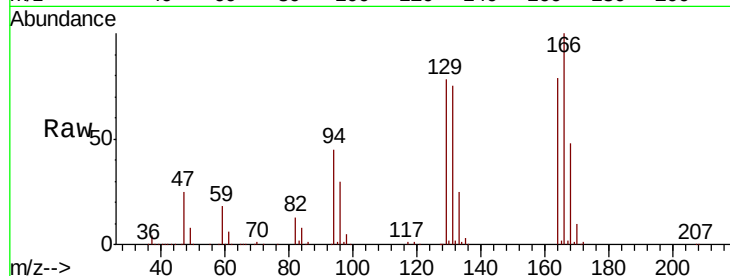
131 95.9 70.4 105.6

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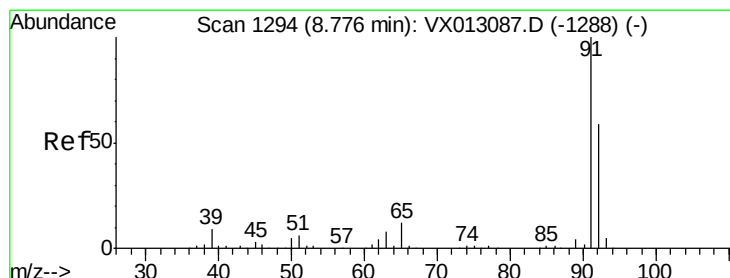
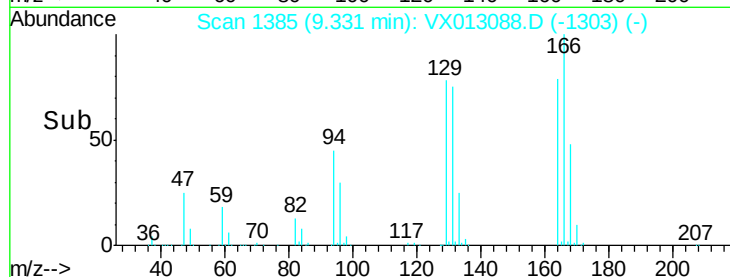
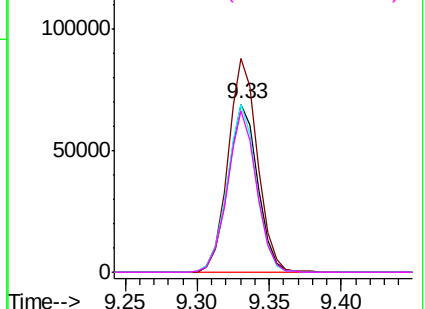


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 51.676 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.01 min

Lab File: VX013088.D

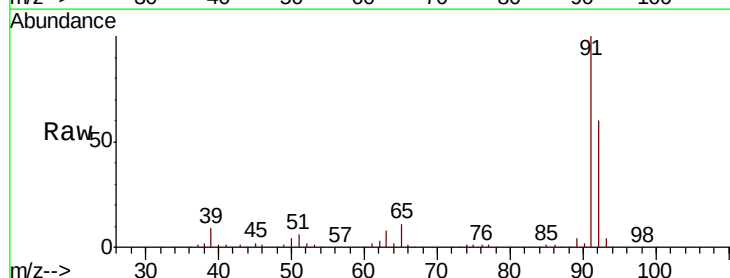
Acq: 16 Oct 2019 11:20

Tgt Ion: 91 Resp: 418815

Ion Ratio Lower Upper

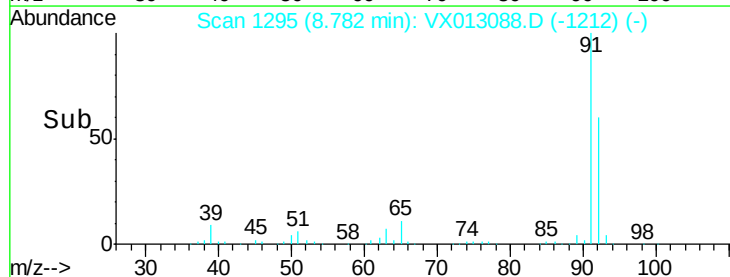
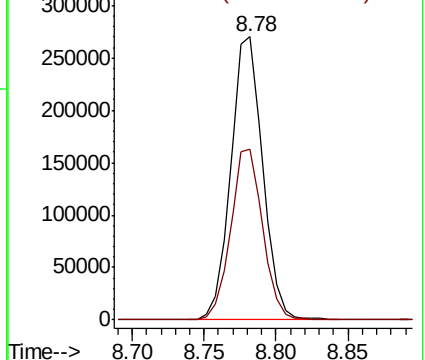
91 100

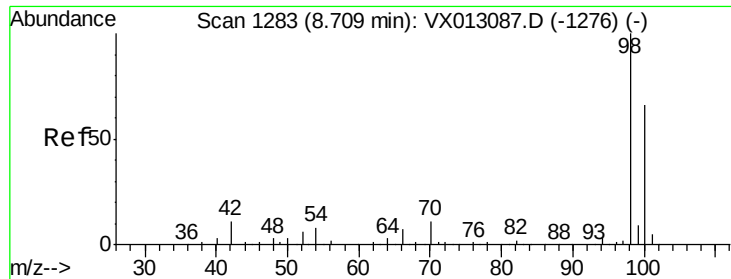
92 60.5 47.6 71.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





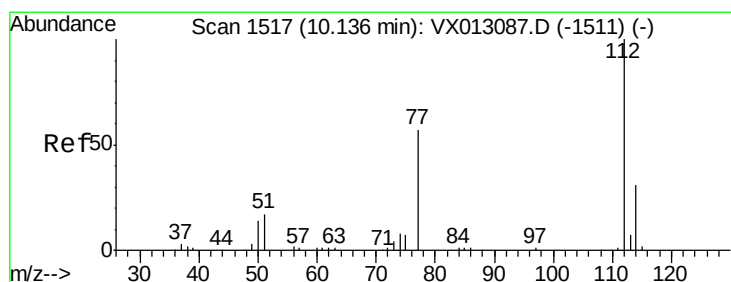
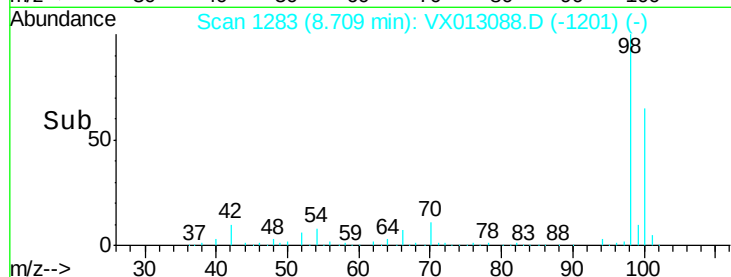
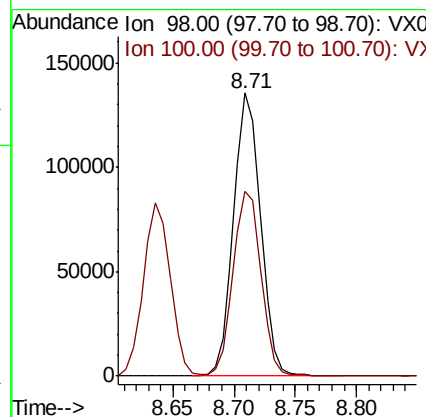
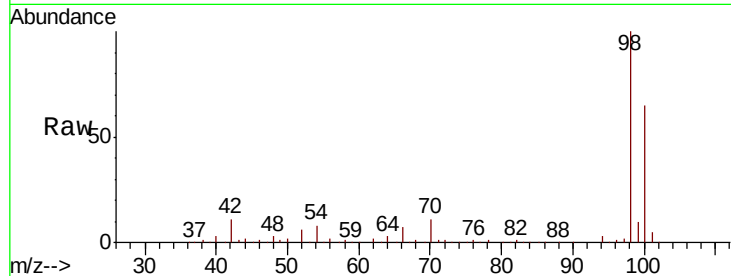
#63
Toluene-d8
Concen: 30.865 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013088.D
Acq: 16 Oct 2019 11:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion: 98 Resp: 208023
Ion Ratio Lower Upper
98 100
100 66.5 53.8 80.6

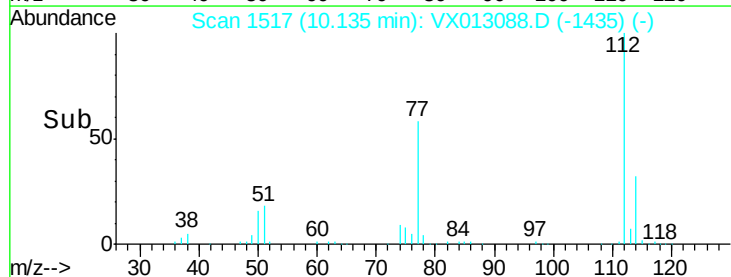
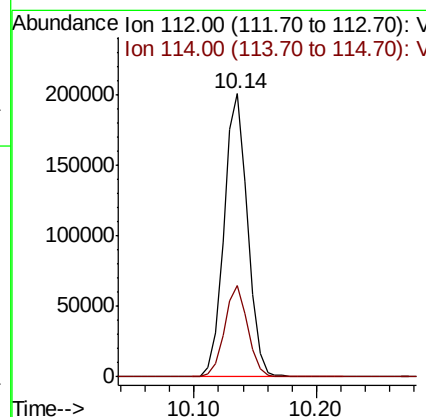
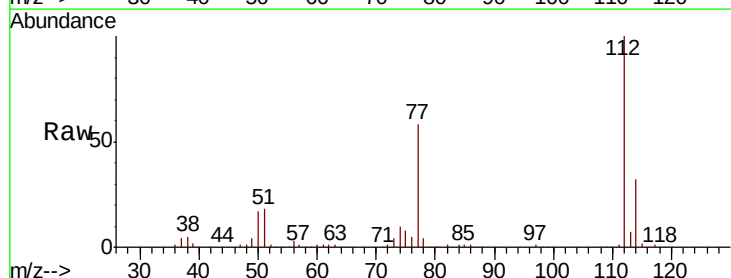
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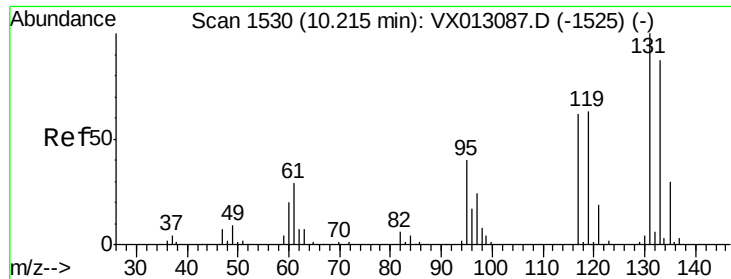
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#64
Chlorobenzene
Concen: 51.528 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX013088.D
Acq: 16 Oct 2019 11:20

Tgt Ion: 112 Resp: 267293
Ion Ratio Lower Upper
112 100
114 32.4 25.2 37.8





#65

1,1,1,2-Tetrachloroethane

Concen: 52.038 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VX013088.D

Acq: 16 Oct 2019 11:20

Instrument :

MSVOA_X

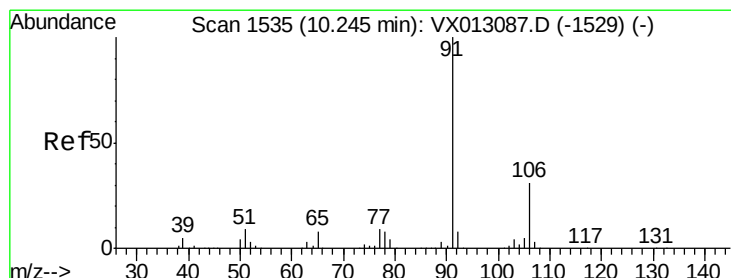
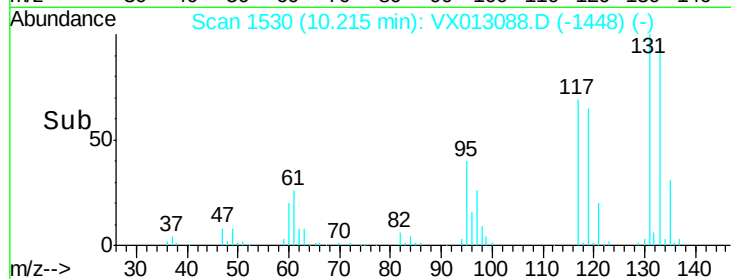
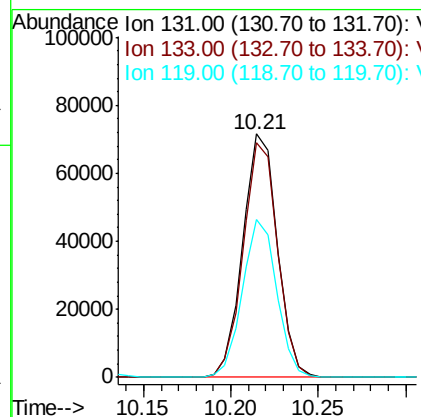
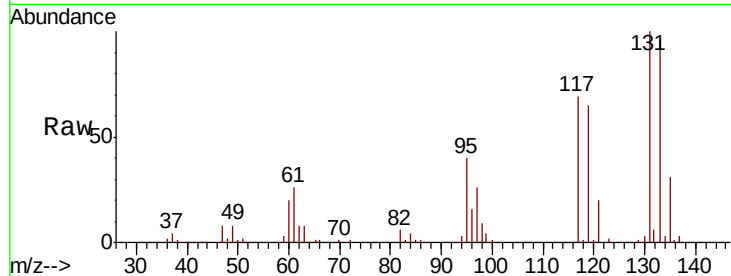
ClientSampleId :

VSTDIC050

Tot Ion:	131	Resp:	98719
Ion	Ratio	Lower	Upper
131	100		
133	95.6	0.0	187.8
119	64.3	0.0	128.4

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#66

Ethyl Benzene

Concen: 52.939 ug/l

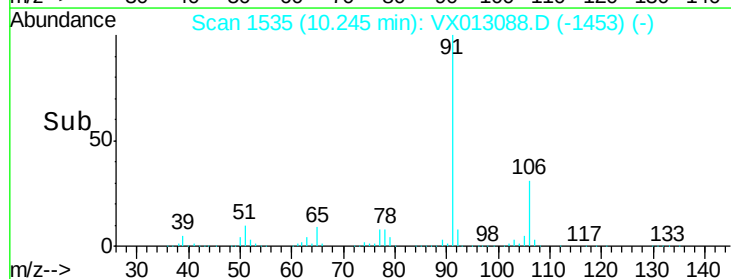
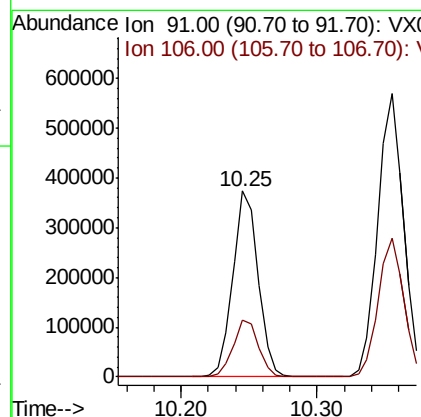
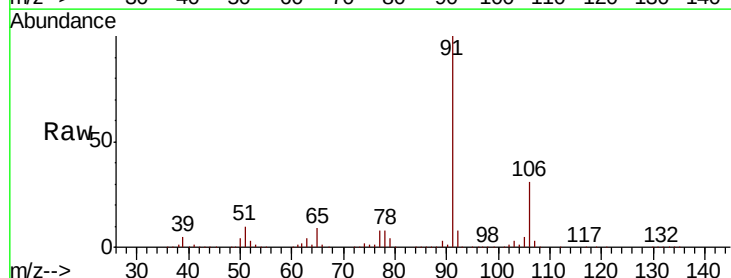
RT: 10.25 min Scan# 1535

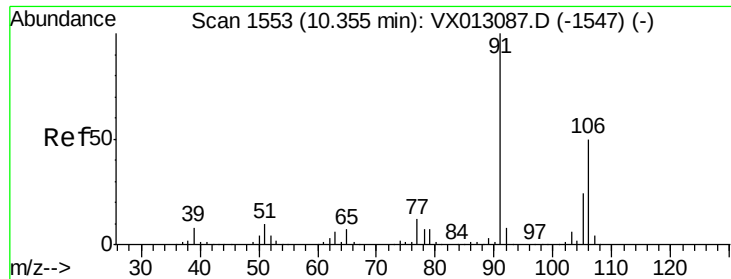
Delta R.T. -0.00 min

Lab File: VX013088.D

Acq: 16 Oct 2019 11:20

Tgt Ion:	91	Resp:	482828
Ion	Ratio	Lower	Upper
91	100		
106	30.9	25.0	37.4





#67

m/p-Xylenes

Concen: 104.805 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VX013088.D

Acq: 16 Oct 2019 11:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion:106 Resp: 364057

Ion Ratio Lower Upper

106 100

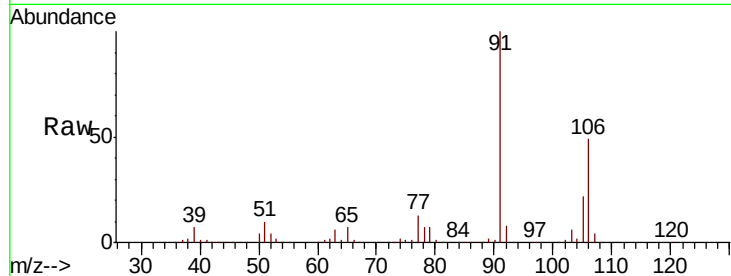
91 204.6 162.6 243.8

Manual Integrations

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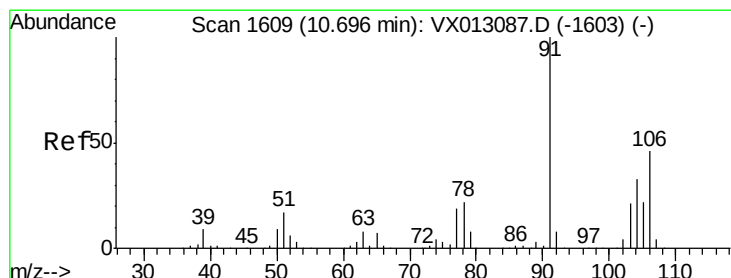
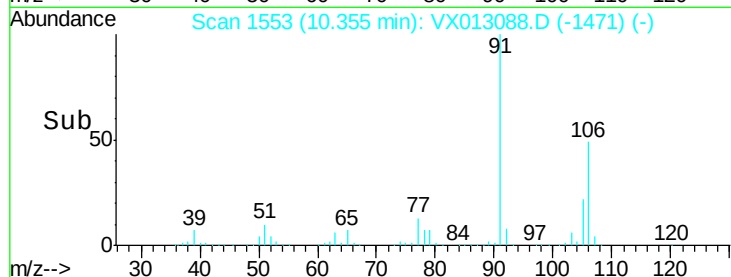
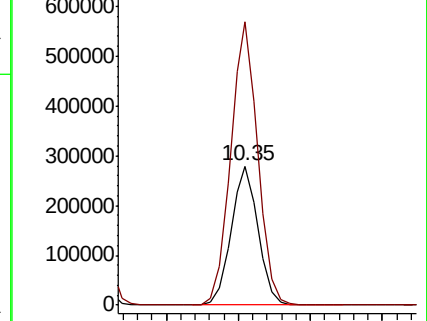
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 51.365 ug/l

RT: 10.70 min Scan# 1609

Delta R.T. -0.00 min

Lab File: VX013088.D

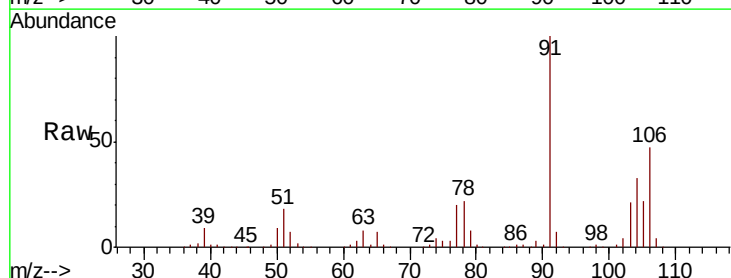
Acq: 16 Oct 2019 11:20

Tgt Ion:106 Resp: 175073

Ion Ratio Lower Upper

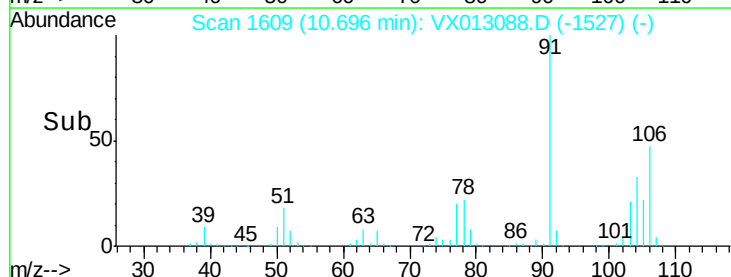
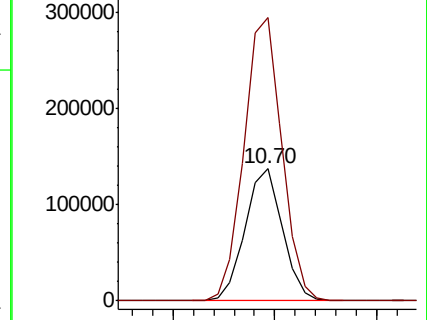
106 100

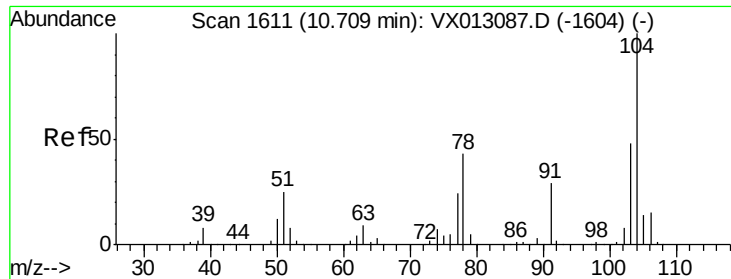
91 216.8 109.1 327.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





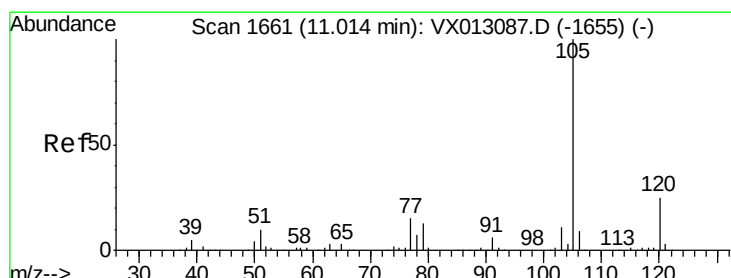
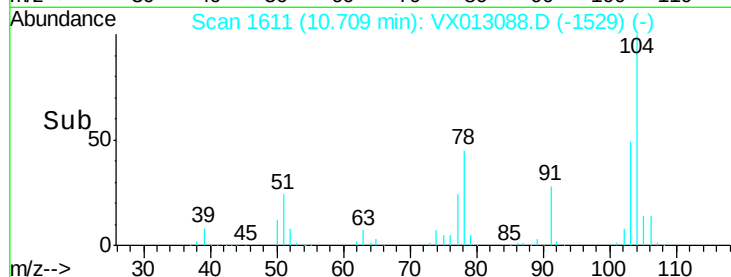
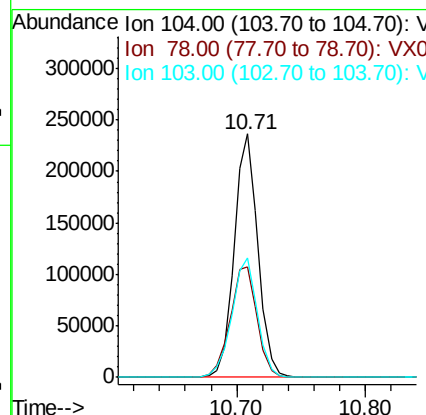
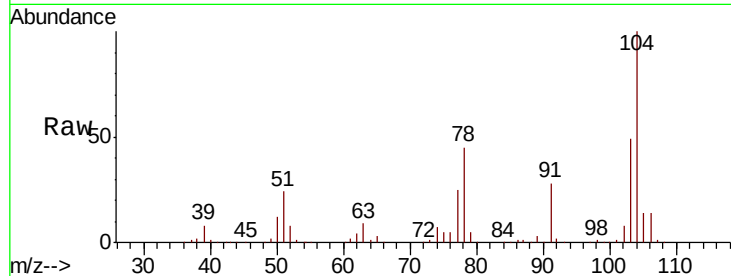
#69
Stvrene
Concen: 52.731 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX013088.D
Acq: 16 Oct 2019 11:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
104	100		
78	52.1	41.0	61.4
103	53.1	42.8	64.2

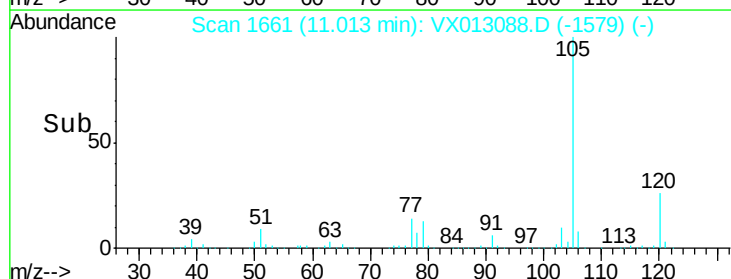
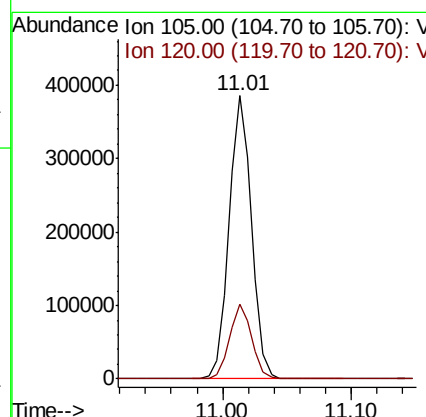
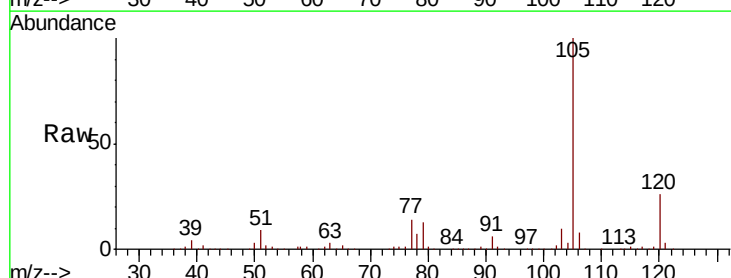
Manual Integrations
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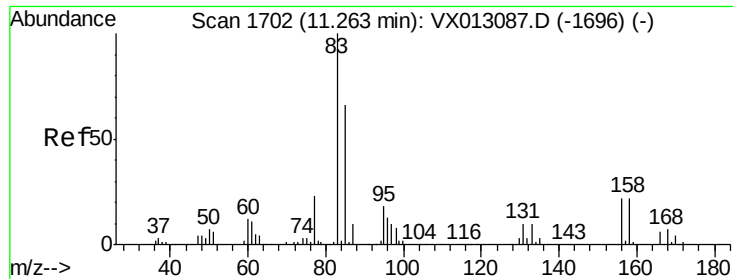
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#70
Isopropylbenzene
Concen: 52.044 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX013088.D
Acq: 16 Oct 2019 11:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.0	17.9	33.3





#71

1,1,2,2-Tetrachloroethane

Concen: 52.359 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX013088.D

Acq: 16 Oct 2019 11:20

Instrument :

MSVOA_X

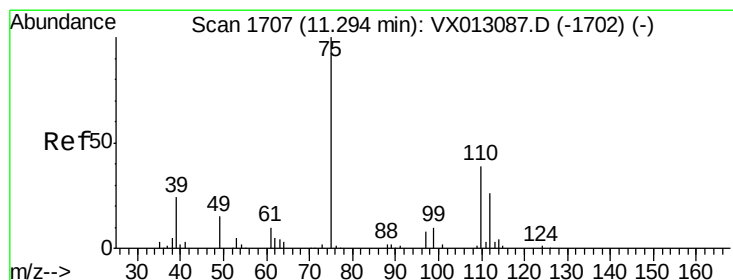
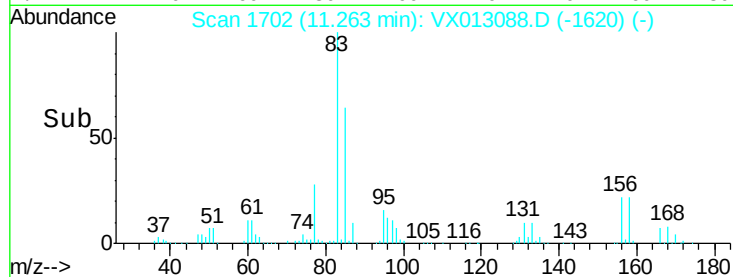
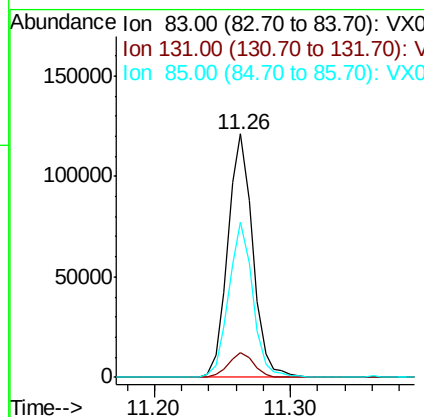
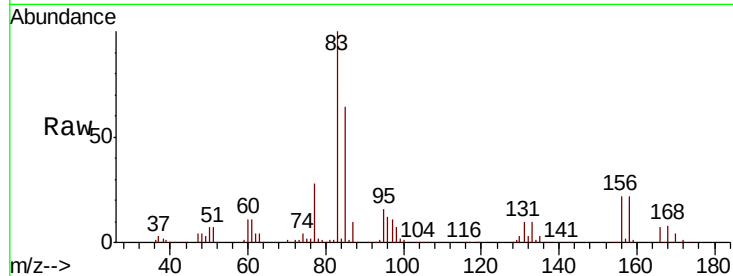
ClientSampleId :

VSTDIC050

Tot Ion:	83	Resp:	153863
Ion Ratio	Lower	Upper	
83	100		
131	10.3	4.9	14.6
85	61.8	31.9	95.9

Manual Integrations
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#72

1,2,3-Trichloropropane

Concen: 51.158 ug/l m

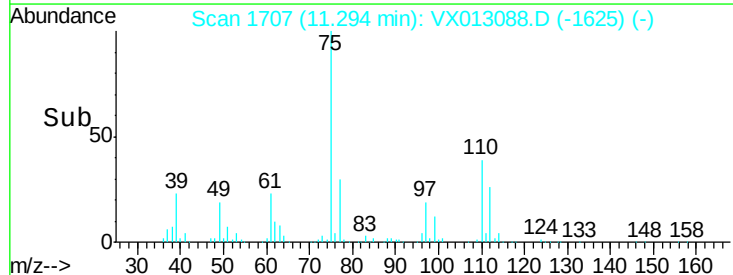
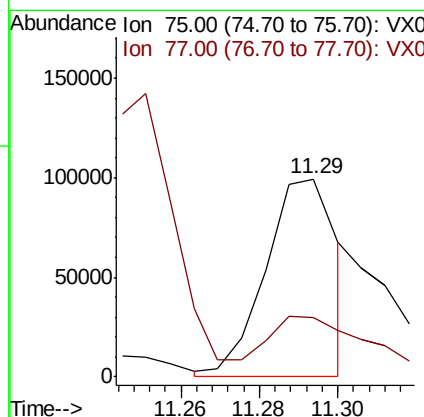
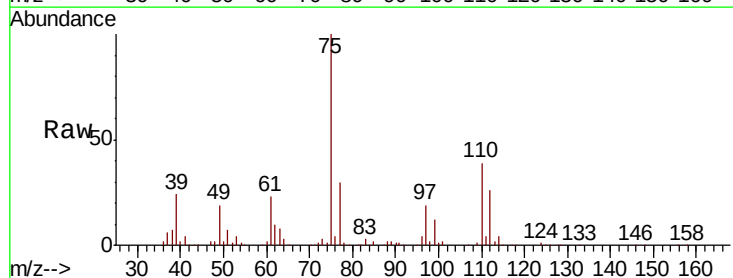
RT: 11.29 min Scan# 1707

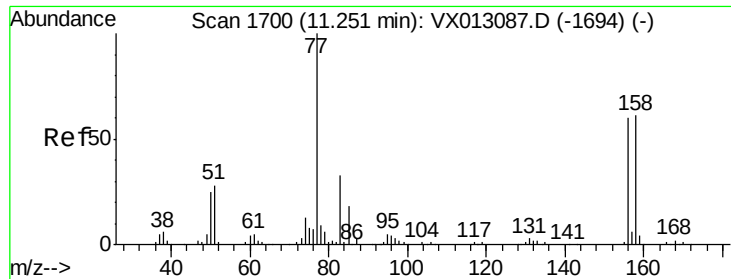
Delta R.T. -0.00 min

Lab File: VX013088.D

Acq: 16 Oct 2019 11:20

Tgt Ion:	75	Resp:	124723
Ion Ratio	Lower	Upper	
75	100		
77	43.3	0.0	87.8





#73

Bromobenzene

Concen: 45.432 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX013088.D

Acq: 16 Oct 2019 11:20

Instrument :

MSVOA_X

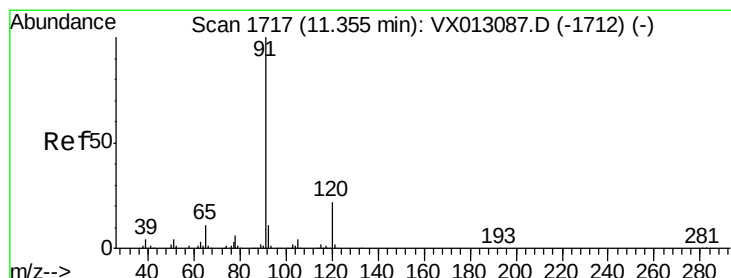
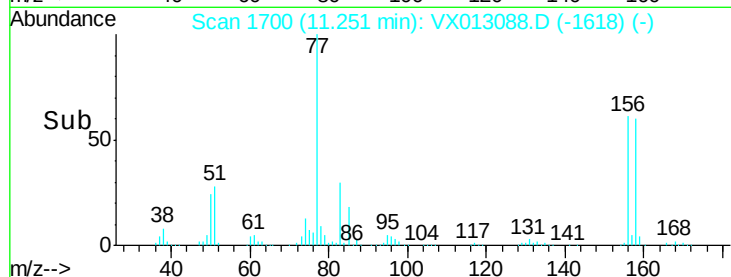
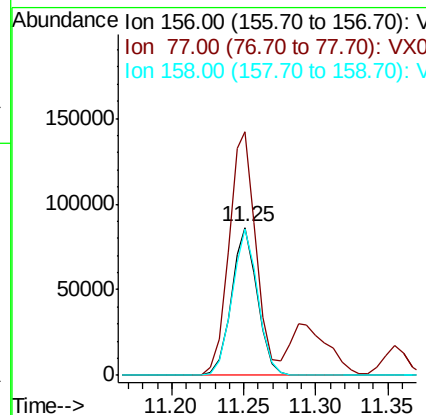
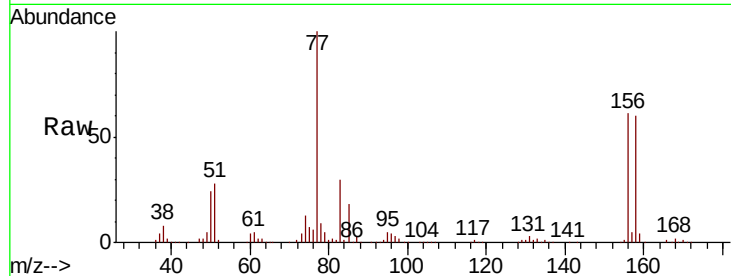
ClientSampleId :

VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
156	100	108408		
77	172.7	0.0	344.0	
158	99.1	0.0	195.6	

Manual Integrations
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#74

n-propylbenzene

Concen: 50.682 ug/l

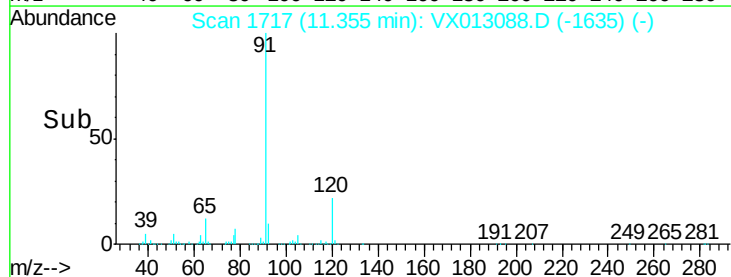
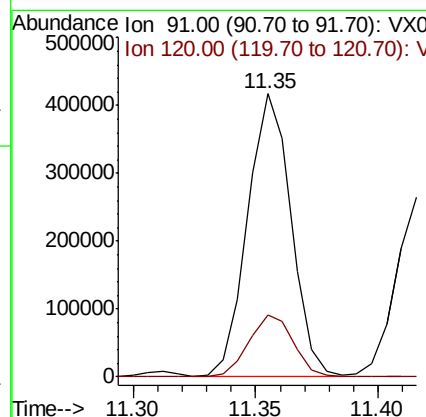
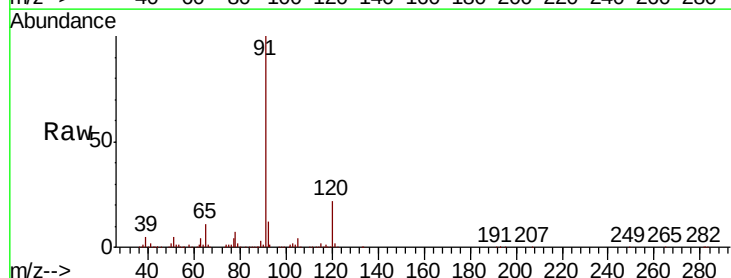
RT: 11.35 min Scan# 1717

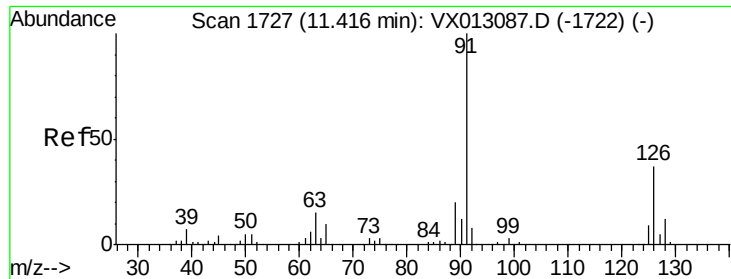
Delta R.T. -0.00 min

Lab File: VX013088.D

Acq: 16 Oct 2019 11:20

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	518333		
120	22.4	0.0	45.0	





#75

2-Chlorotoluene

Concen: 53.084 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX013088.D

Acq: 16 Oct 2019 11:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 91 Resp: 323608

Ion Ratio Lower Upper

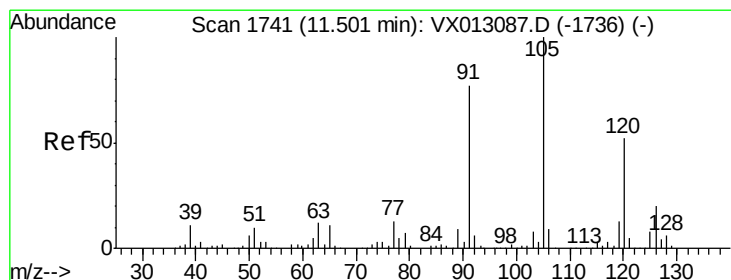
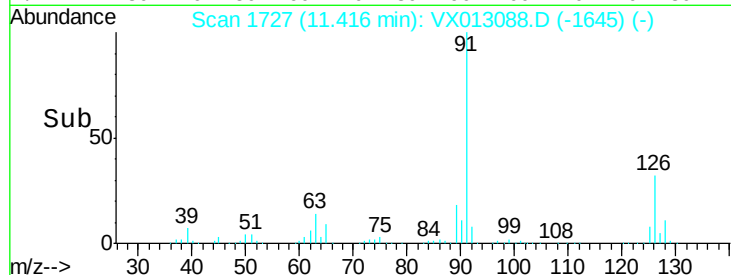
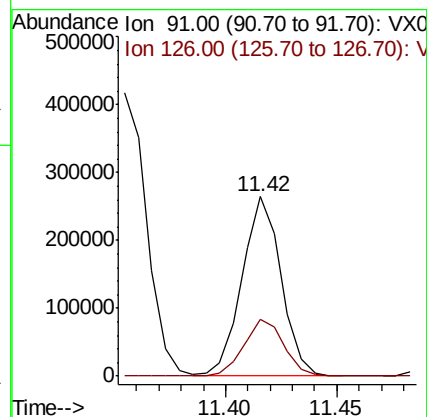
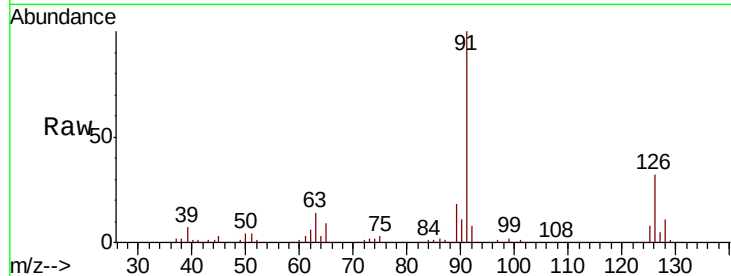
91 100

126 32.4 0.0 66.0

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#76

1,3,5-Trimethylbenzene

Concen: 52.370 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX013088.D

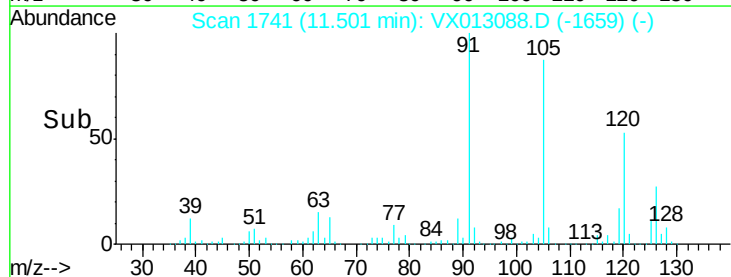
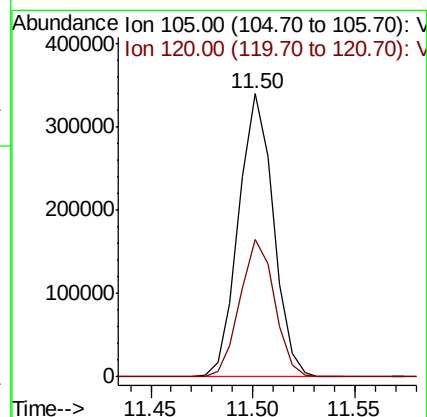
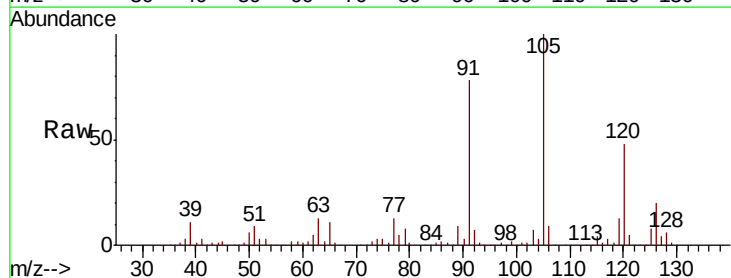
Acq: 16 Oct 2019 11:20

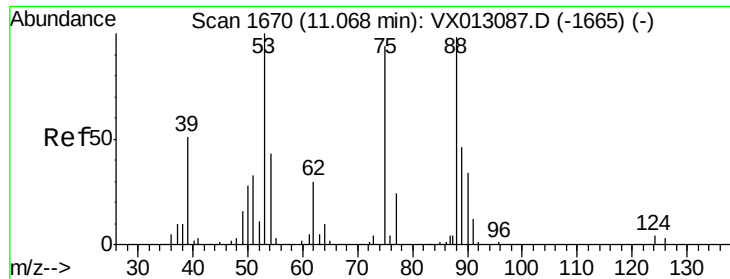
Tgt Ion: 105 Resp: 401779

Ion Ratio Lower Upper

105 100

120 48.3 0.0 96.6





#77

t-1,4-Dichloro-2-butene

Concen: 60.047 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VX013088.D

Acq: 16 Oct 2019 11:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 75 Resp: 50392

Ion Ratio Lower Upper

75 100

53 99.6 53.1 159.4

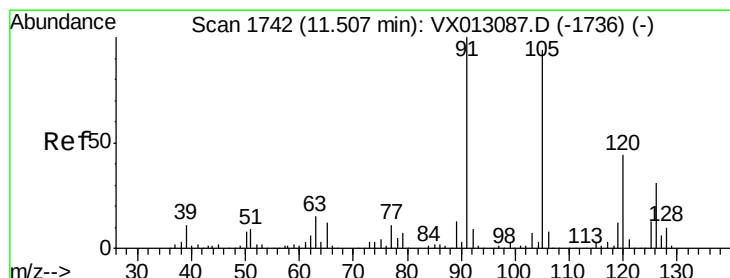
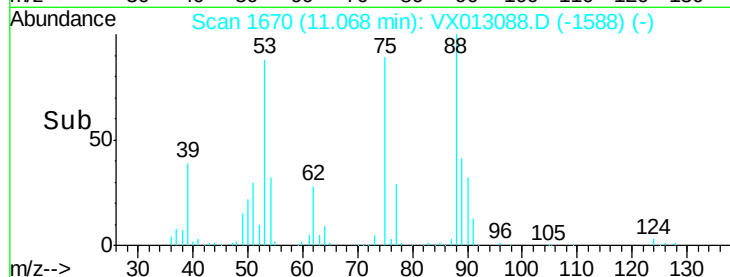
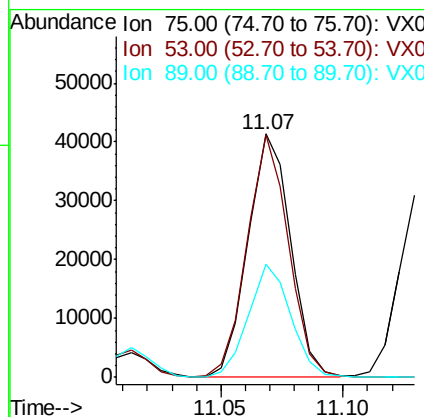
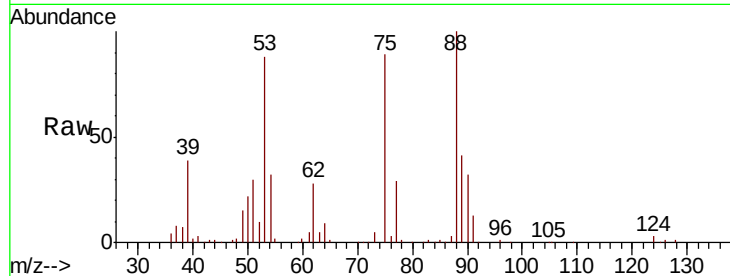
89 46.3 24.6 73.8

Manual Integrations

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10/18/2019 4:51:47 PM



#78

4-Chlorotoluene

Concen: 52.965 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX013088.D

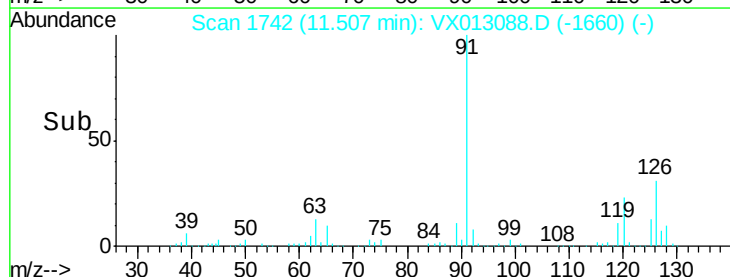
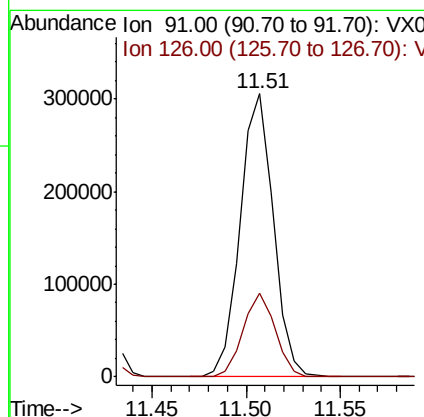
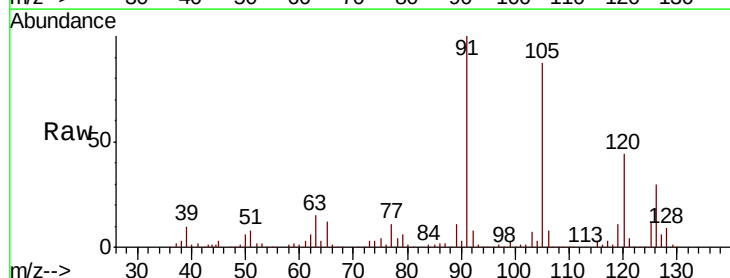
Acq: 16 Oct 2019 11:20

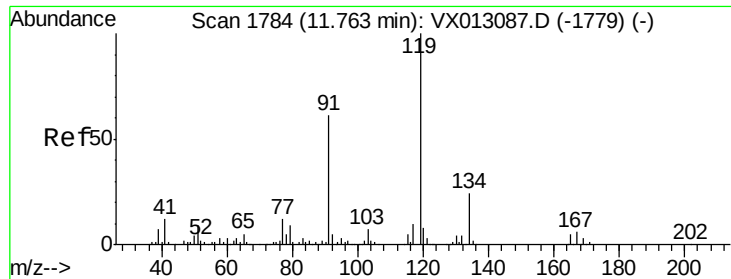
Tgt Ion: 91 Resp: 372073

Ion Ratio Lower Upper

91 100

126 29.1 0.0 57.0





#79

tert-butylbenzene

Concen: 49.866 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. -0.00 min

Lab File: VX013088.D

Acq: 16 Oct 2019 11:20

Instrument :

MSVOA_X

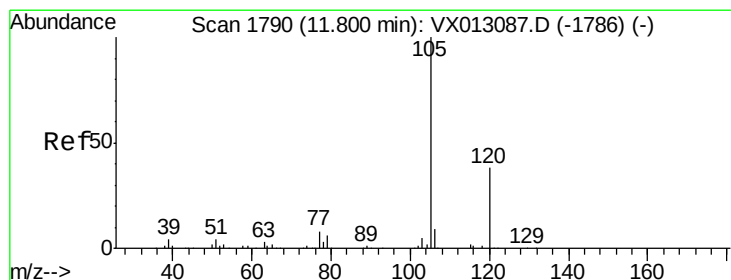
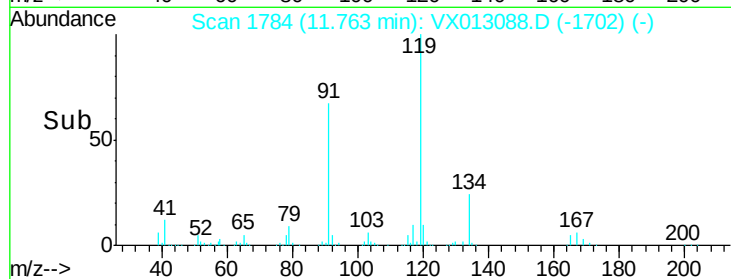
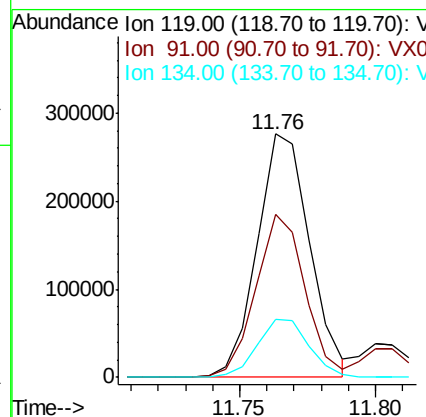
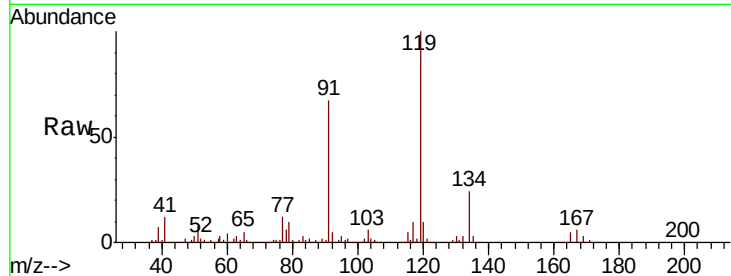
ClientSampleId :

VSTDIC050

Tot Ion:	119	Resp:	370042
Ion Ratio	Lower	Upper	
119	100		
91	62.7	0.0	122.2
134	23.5	0.0	46.6

Manual Integrations
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#80

1,2,4-Trimethylbenzene

Concen: 51.719 ug/l

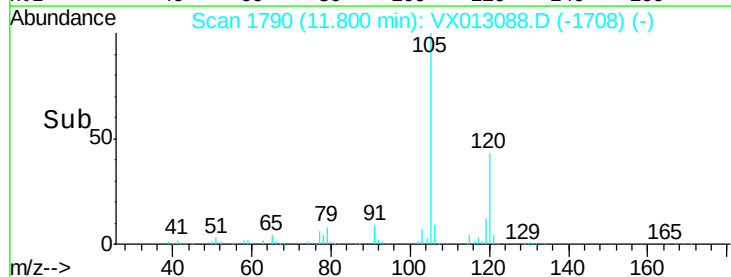
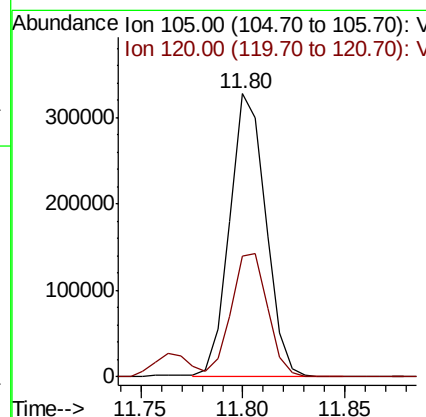
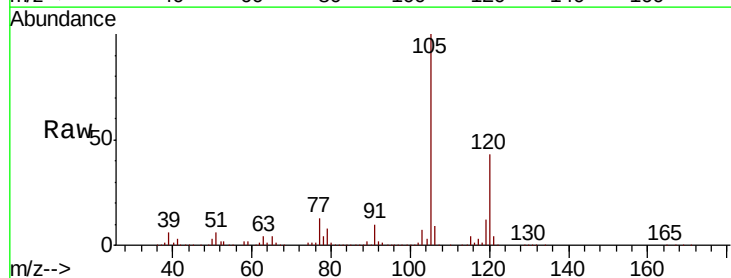
RT: 11.80 min Scan# 1790

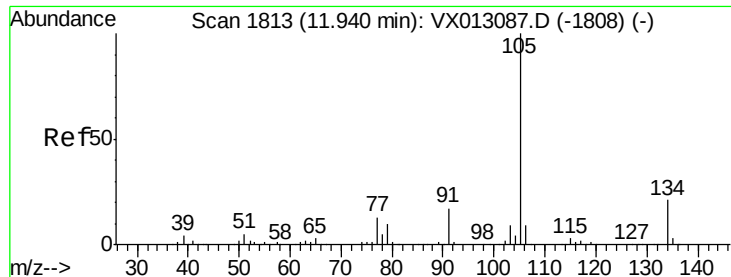
Delta R.T. -0.00 min

Lab File: VX013088.D

Acq: 16 Oct 2019 11:20

Tgt Ion:	105	Resp:	400091
Ion Ratio	Lower	Upper	
105	100		
120	44.1	0.0	85.8





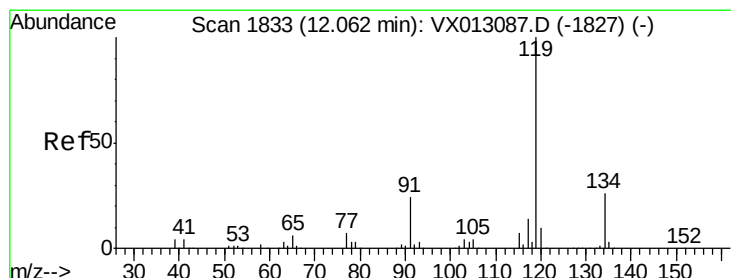
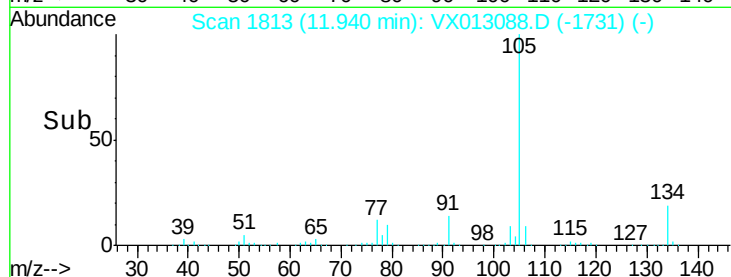
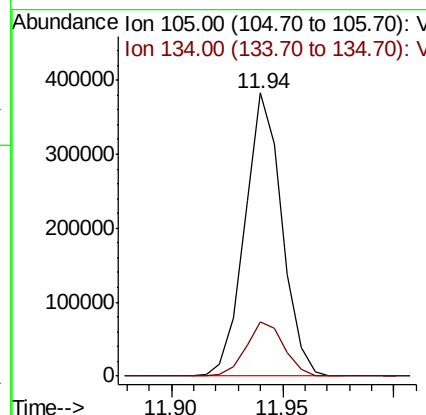
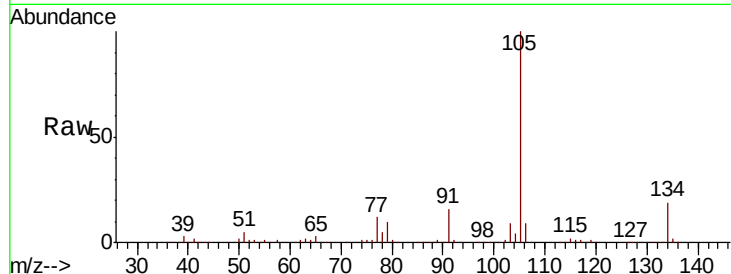
#81
 sec-Butylbenzene
 Concen: 50.729 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VX013088.D
 Acq: 16 Oct 2019 11:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.0	0.0	39.6

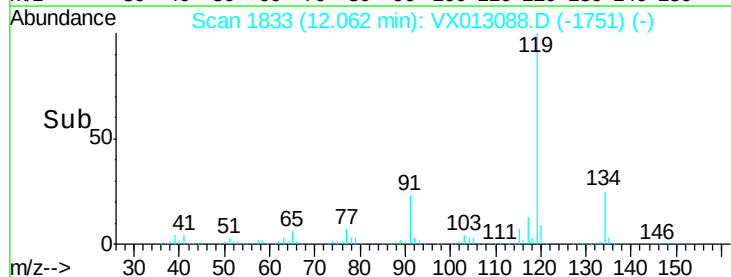
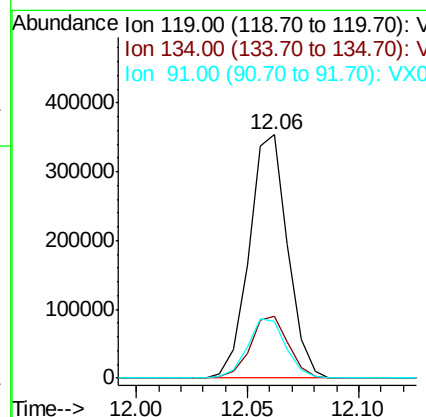
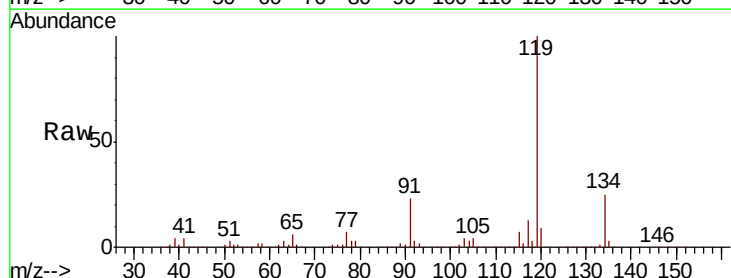
Manual Integrations
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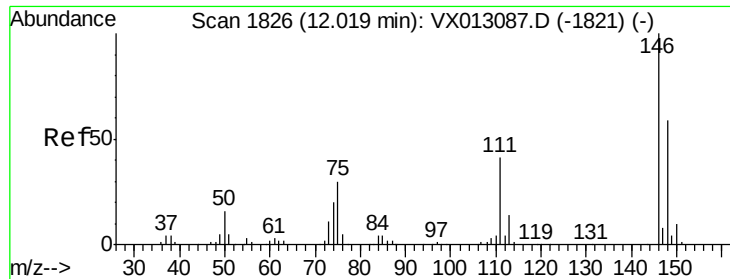
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#82
 p-Isopropyltoluene
 Concen: 52.595 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: VX013088.D
 Acq: 16 Oct 2019 11:20

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.2	0.0	52.0
91	24.7	0.0	50.4





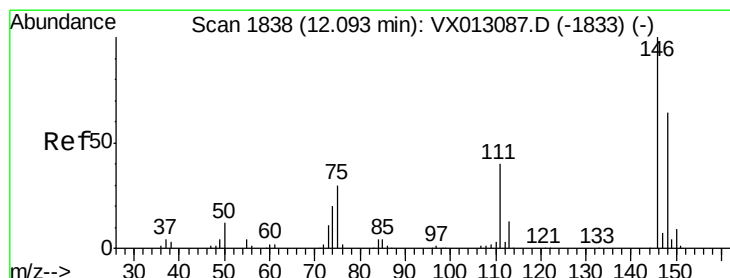
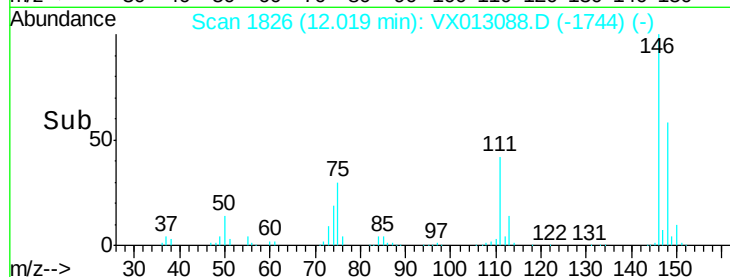
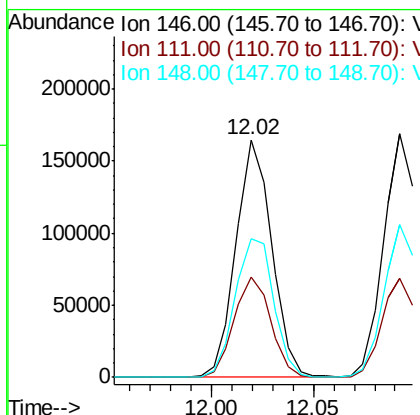
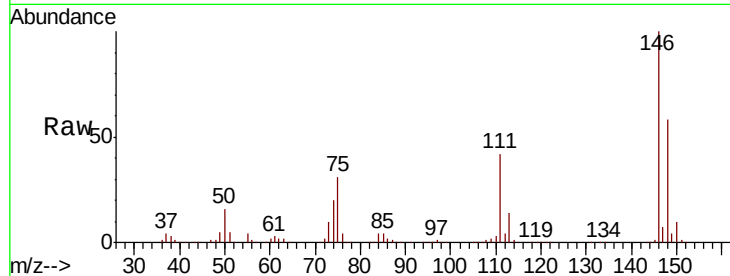
#83
 1,3-Dichlorobenzene
 Concen: 47.164 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX013088.D
 Acq: 16 Oct 2019 11:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.3	63.9
148	63.1	30.4	91.2

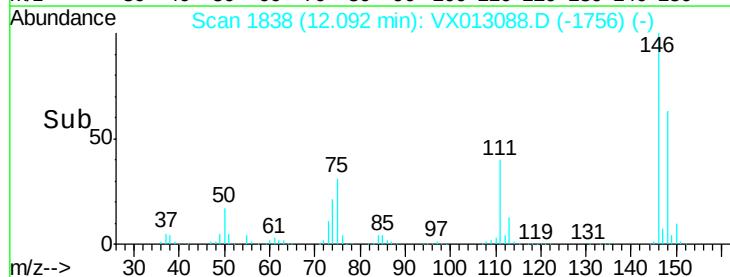
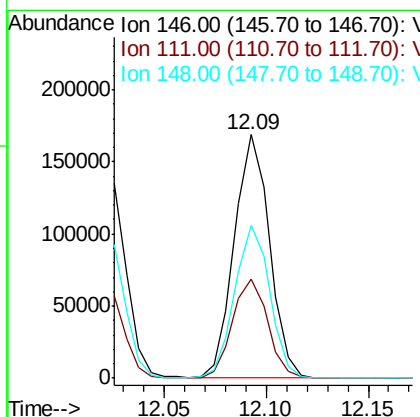
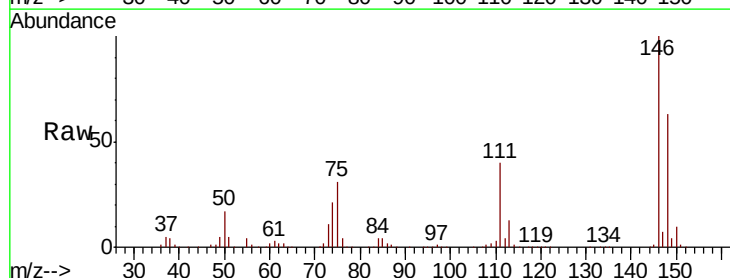
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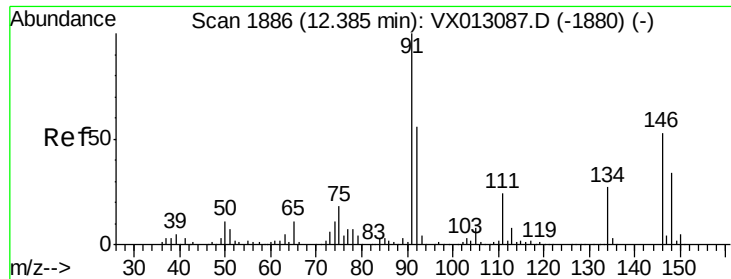
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#84
 1,4-Dichlorobenzene
 Concen: 48.029 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX013088.D
 Acq: 16 Oct 2019 11:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.0	59.9
148	62.5	31.9	95.7





#85

n-Butylbenzene

Concen: 51.944 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX013088.D

Acq: 16 Oct 2019 11:20

Instrument :

MSVOA_X

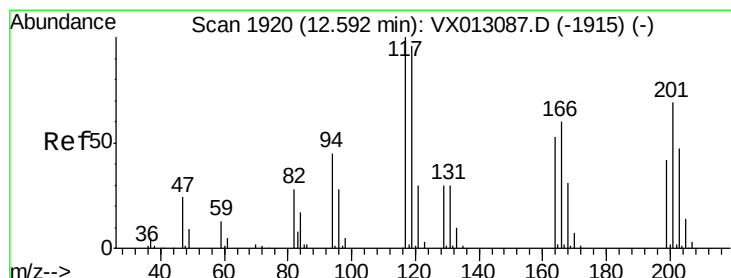
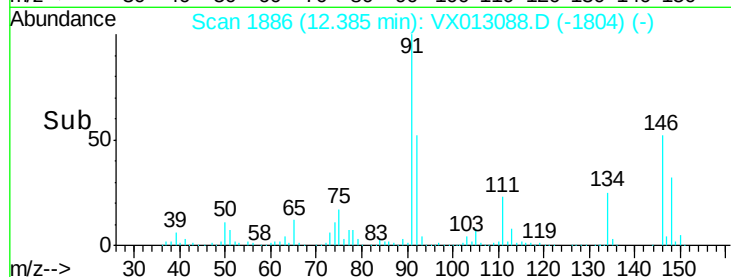
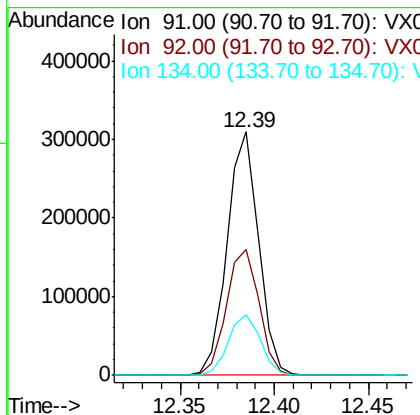
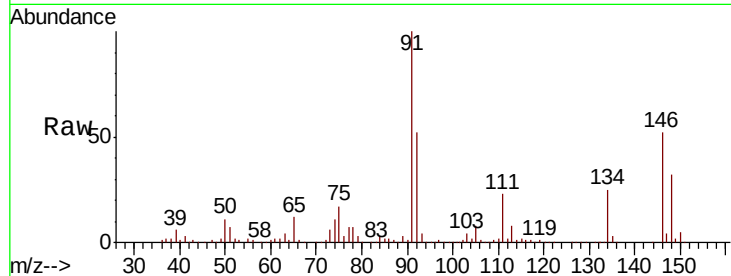
ClientSampleId :

VSTDIC050

Tot Ion:	91	Resp:	357679
Ion	Ratio	Lower	Upper
91	100		
92	53.7	0.0	109.4
134	25.5	0.0	51.6

Manual Integrations
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#86

Hexachloroethane

Concen: 54.284 ug/l

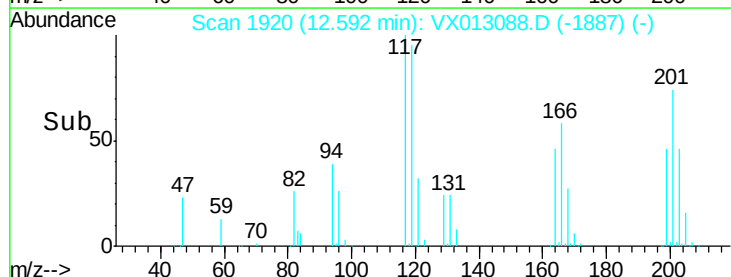
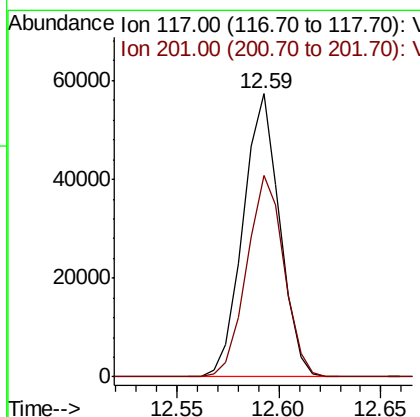
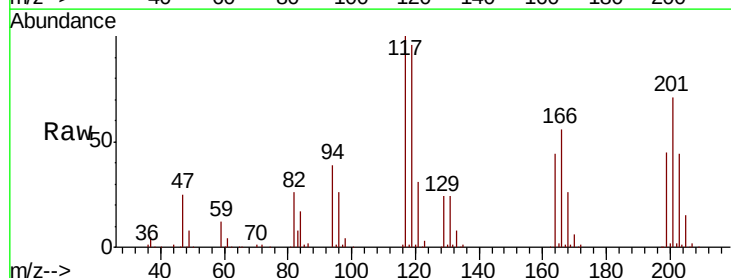
RT: 12.59 min Scan# 1920

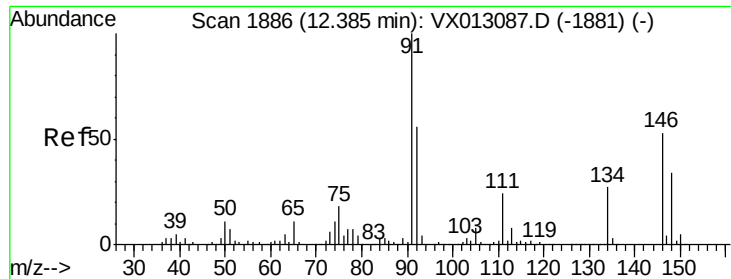
Delta R.T. -0.00 min

Lab File: VX013088.D

Acq: 16 Oct 2019 11:20

Tgt Ion:	117	Resp:	71399
Ion	Ratio	Lower	Upper
117	100		
201	72.8	34.2	102.5





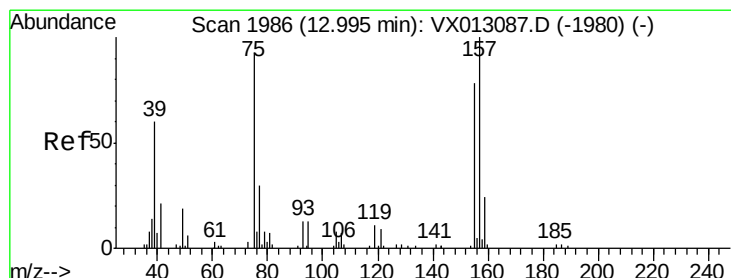
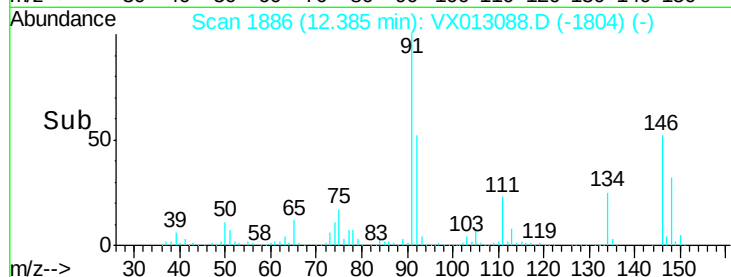
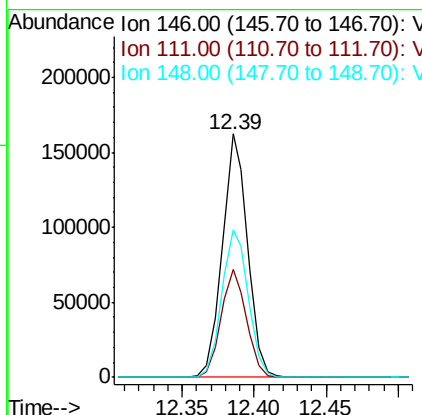
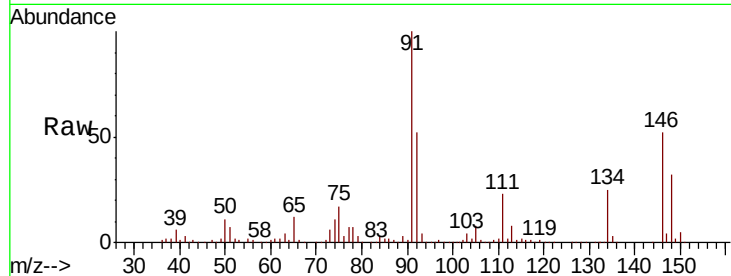
#87
 1,2-Dichlorobenzene
 Concen: 48.584 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX013088.D
 Acq: 16 Oct 2019 11:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.6	22.3	66.9
148	63.7	32.7	98.1

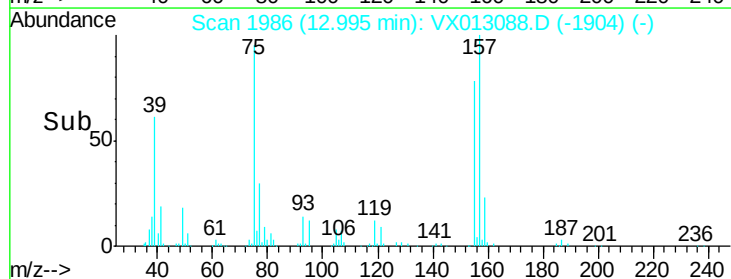
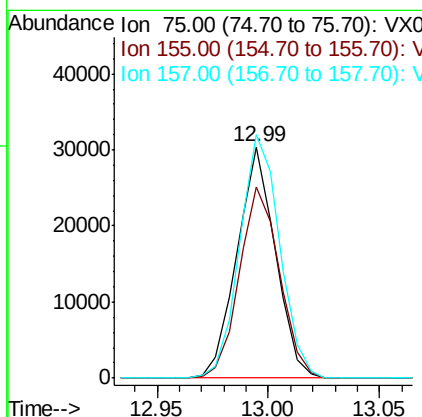
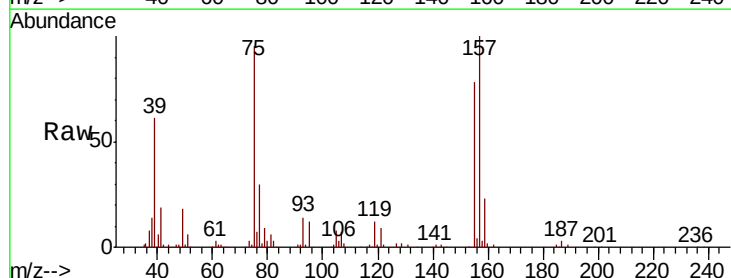
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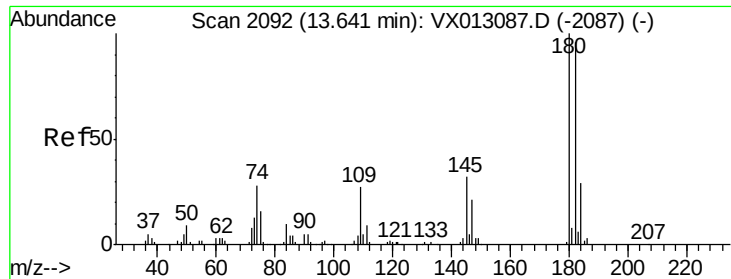
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 56.102 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX013088.D
 Acq: 16 Oct 2019 11:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.5	68.4	102.6
157	110.5	85.6	128.4





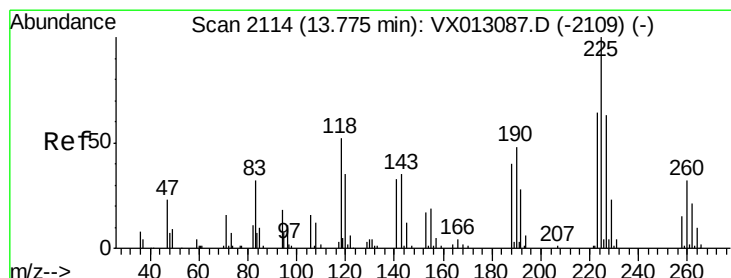
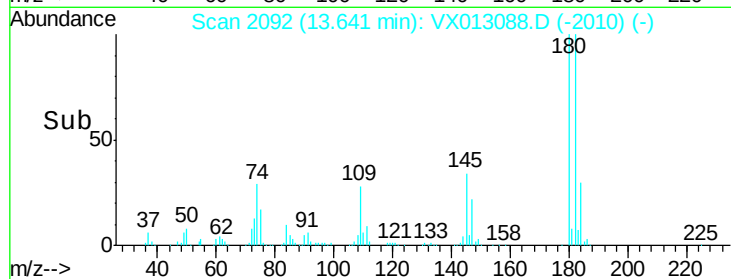
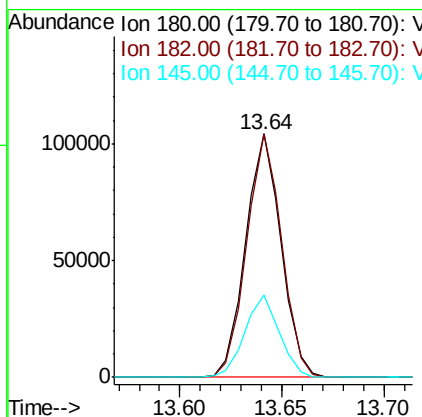
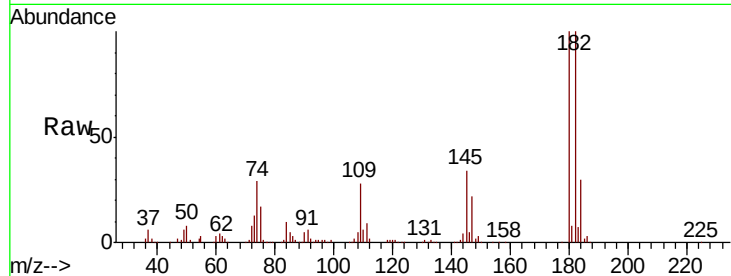
#89
 1,2,4-Trichlorobenzene
 Concen: 44.798 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX013088.D
 Acq: 16 Oct 2019 11:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	126064		
182	98.5	74.8	112.2	
145	33.0	26.2	39.2	

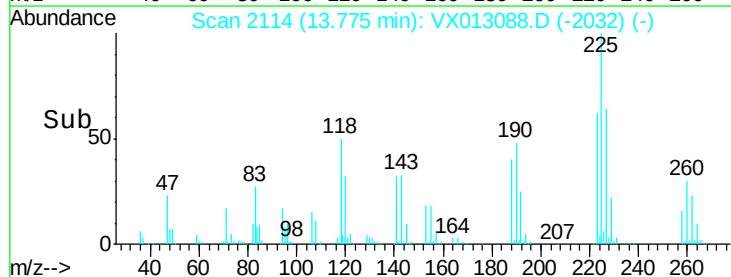
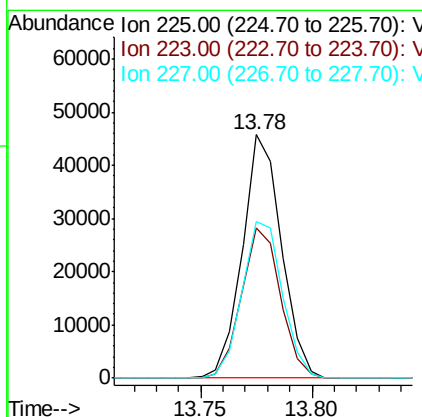
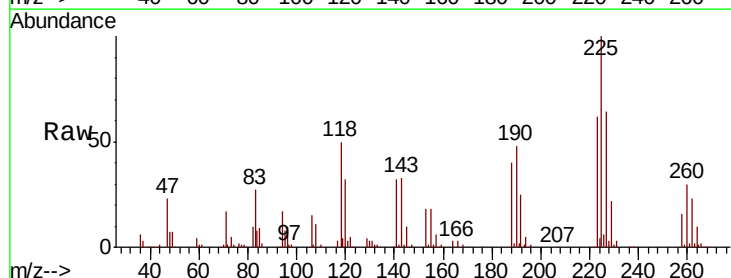
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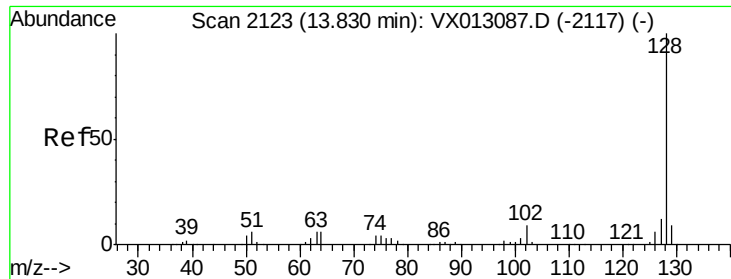
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#90
 Hexachlorobutadiene
 Concen: 41.834 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VX013088.D
 Acq: 16 Oct 2019 11:20

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	56258		
223	61.8	0.0	132.2	
227	66.5	0.0	124.2	





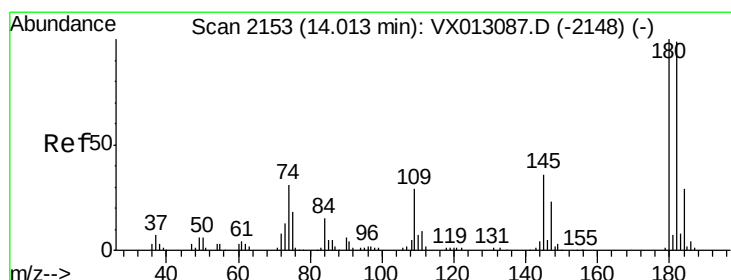
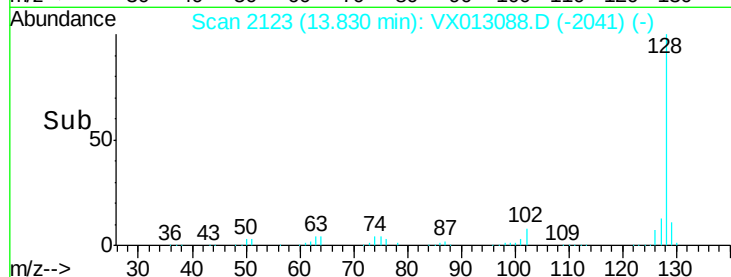
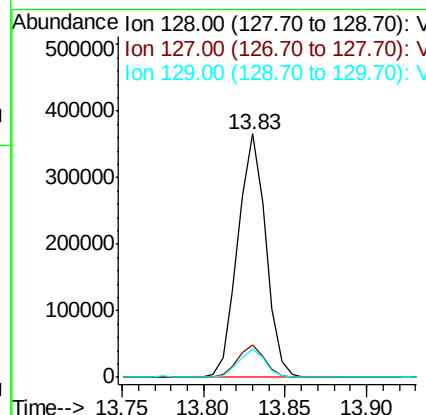
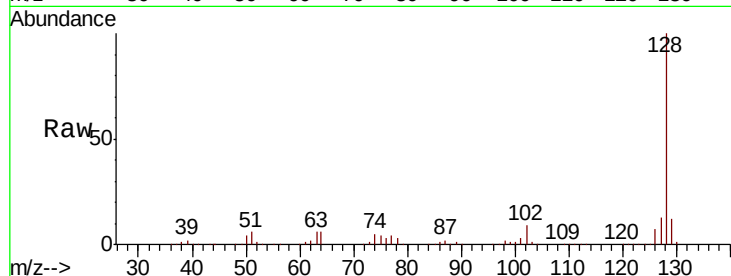
#91
Naphthalene
Concen: 50.176 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX013088.D
Acq: 16 Oct 2019 11:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.0	15.0
129	11.2	8.0	12.0

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 46.041 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.00 min
Lab File: VX013088.D
Acq: 16 Oct 2019 11:20

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	0.0	195.2
145	34.6	0.0	69.8

