

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101619\
 Data File : VX013094.D
 Acq On : 16 Oct 2019 14:14
 Operator : JC/SP
 Sample : VX1016WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1016WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/18/2019 4:52:13 PM

Quant Time: Oct 17 03:33:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X101619W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Oct 17 03:05:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	31817	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	181006	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	159625	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	71611	29.35	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.83%
60) 4-Bromofluorobenzene	11.13	95	81372	29.12	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.07%
63) Toluene-d8	8.71	98	220797	30.32	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.07%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	39292	18.317	ug/l 100
3) Chloromethane	1.32	50	38688	18.375	ug/l 99
4) Vinyl Chloride	1.40	62	39042	18.589	ug/l 97
5) Bromomethane	1.63	94	23541	23.984	ug/l 98
6) Chloroethane	1.72	64	24752	19.169	ug/l 99
7) Trichlorofluoromethane	1.92	101	56110	18.182	ug/l 96
8) Diethyl Ether	2.18	74	20756	18.276	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	2.37	101	35835	18.421	ug/l 97
10) 1,1-Dichloroethene	2.36	96	35465	18.532	ug/l 95
11) Methyl Iodide	2.50	142	35468	15.154	ug/l 99
12) Methyl Acetate	2.76	43	50576	18.899	ug/l 96
13) Acrolein	2.28	56	35595	92.433	ug/l 98
14) Acrylonitrile	3.13	53	107744	96.457	ug/l 99
15) Acetone	2.43	58	35381	89.472	ug/l 89
16) Carbon Disulfide	2.56	76	92896	17.950	ug/l 99
17) Allyl chloride	2.72	41	59878	18.438	ug/l 94
18) Methylene Chloride	2.85	84	39958	18.353	ug/l 96
19) trans-1,2-Dichloroethene	3.15	96	38859	18.963	ug/l 96
20) Diisopropyl ether	3.84	45	119199	19.131	ug/l 96
21) 1,1-Dichloroethane	3.69	63	67994	18.923	ug/l 99
22) cis-1,2-Dichloroethene	4.59	96	43393	18.426	ug/l 99
23) tert-Butyl Alcohol	3.03	59	53875	95.462	ug/l # 100
24) Methyl tert-Butyl Ether	3.19	73	124730	19.123	ug/l 99
25) Chloroform	5.20	83	69159	18.614	ug/l 93
26) Cyclohexane	5.57	56	60809	18.624	ug/l # 99
29) 1,1-Dichloropropene	5.79	75	51982	18.827	ug/l 99
30) 2-Butanone	4.65	43	154405	94.945	ug/l 99
31) 2,2-Dichloropropane	4.58	77	56257	18.012	ug/l 98
32) 1,1,1-Trichloroethane	5.48	97	60198	18.638	ug/l 98
33) Carbon Tetrachloride	5.78	117	51709	18.661	ug/l 96
34) Benzene	6.14	78	156532	19.097	ug/l 99
35) Methacrylonitrile	5.03	41	30819	19.325	ug/l 92
36) 1,2-Dichloroethane	6.18	62	55774	18.820	ug/l 98
37) Trichloroethene	7.21	130	41428	18.919	ug/l 97
38) Methylcyclohexane	7.46	83	64483	19.083	ug/l 98
39) 1,2-Dichloropropane	7.51	63	39884	19.376	ug/l 97
40) Dibromomethane	7.65	93	26918	19.256	ug/l 95

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Manual Integrations
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Quant Time: Oct 17 03:33:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X101619W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Oct 17 03:05:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	50564	18.218	ug/l	99
42) Vinyl Acetate	3.80	43	516005	96.891	ug/l	100
43) Ethyl Acetate	4.82	43	58086	19.847	ug/l	98
44) Isopropyl Acetate	6.43	43	89834	19.034	ug/l	100
45) 1,4-Dioxane	7.73	88	21882	377.237	ug/l	96
46) Methyl methacrylate	7.76	41	43775	18.977	ug/l	85
47) n-amyl Acetate	10.89	43	73312	18.244	ug/l	98
48) t-1,3-Dichloropropene	9.04	75	56006	18.232	ug/l	95
49) cis-1,3-Dichloropropene	8.43	75	62204	18.356	ug/l	97
50) 1,1,2-Trichloroethane	9.21	97	40368	19.135	ug/l	99
51) Ethyl methacrylate	9.17	69	62805	18.928	ug/l	97
52) 1,3-Dichloropropane	9.37	76	67074	18.944	ug/l	99
53) Dibromochloromethane	9.58	129	38358	17.705	ug/l	97
54) 1,2-Dibromoethane	9.67	107	42035	18.943	ug/l	97
55) 2-Chloroethyl vinyl ether	8.31	63	139573	95.616	ug/l	100
56) Bromoform	10.85	173	25949	17.212	ug/l	95
58) 4-Methyl-2-Pentanone	8.64	43	283538	97.621	ug/l	100
59) 2-Hexanone	9.48	43	219286	96.751	ug/l	99
61) Tetrachloroethene	9.33	164	39877	19.608	ug/l	94
62) Toluene	8.78	91	166435	19.186	ug/l	100
64) Chlorobenzene	10.14	112	102666	18.622	ug/l	97
65) 1,1,1,2-Tetrachloroethane	10.21	131	38568	19.046	ug/l	99
66) Ethyl Benzene	10.25	91	187708	18.958	ug/l	99
67) m/p-Xylenes	10.35	106	139997	37.583	ug/l	96
68) o-Xylene	10.70	106	69746	19.228	ug/l	96
69) Styrene	10.71	104	116877	18.717	ug/l	99
70) Isopropylbenzene	11.01	105	182959	18.885	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.26	83	59820	18.973	ug/l	99
72) 1,2,3-Trichloropropane	11.29	75	50154m	19.131	ug/l	
73) Bromobenzene	11.25	156	43435	18.798	ug/l	97
74) n-propylbenzene	11.35	91	203165	18.774	ug/l	100
75) 2-Chlorotoluene	11.42	91	127424	19.221	ug/l	99
76) 1,3,5-Trimethylbenzene	11.50	105	156209	18.948	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	18286	18.023	ug/l	94
78) 4-Chlorotoluene	11.51	91	142902	18.641	ug/l	100
79) tert-butylbenzene	11.77	119	145348	18.742	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	154954	18.847	ug/l	98
81) sec-Butylbenzene	11.94	105	171910	18.402	ug/l	98
82) p-Isopropyltoluene	12.06	119	160534	18.845	ug/l	98
83) 1,3-Dichlorobenzene	12.02	146	76669	18.306	ug/l	96
84) 1,4-Dichlorobenzene	12.09	146	76769	18.224	ug/l	99
85) n-Butylbenzene	12.39	91	131877	18.137	ug/l	98
86) Hexachloroethane	12.59	117	24782	16.788	ug/l	90
87) 1,2-Dichlorobenzene	12.39	146	78704	19.053	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	12.99	75	13113	18.112	ug/l	97
89) 1,2,4-Trichlorobenzene	13.64	180	46328	17.976	ug/l	98
90) Hexachlorobutadiene	13.78	225	22144	18.102	ug/l	97
91) Naphthalene	13.83	128	166711	19.019	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	48430	18.760	ug/l	98

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Instrument :
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ClientSampleId :
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Manual Integrations
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QLast Update : Thu Oct 17 03:05:35 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

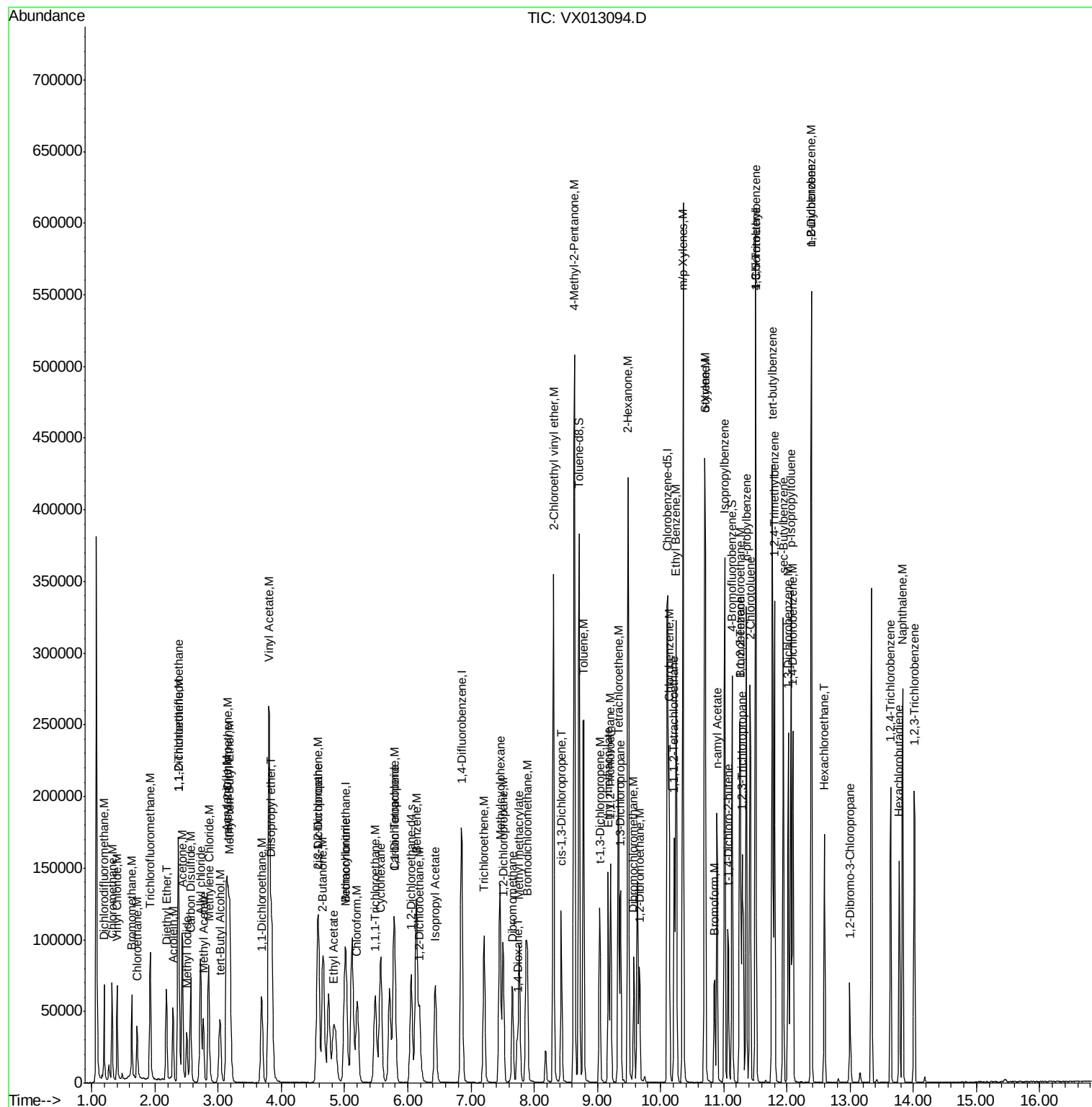
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX101619\
 Data File : VX013094.D
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 Operator : JC/SP
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 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

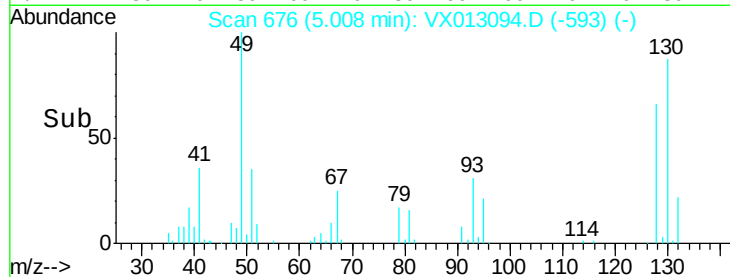
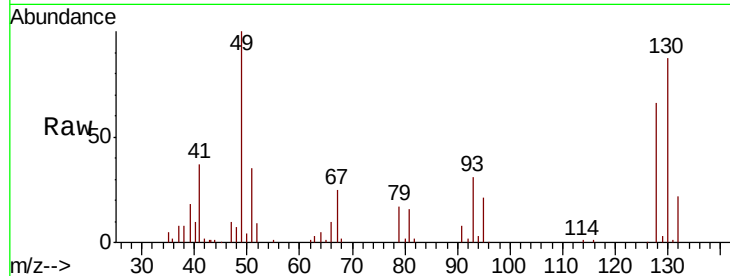
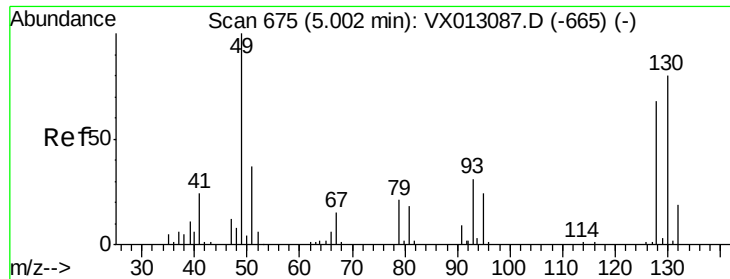
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1016WBSD01

Manual Integrations
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 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X101619W.M
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 676

Delta R.T. 0.01 min

Lab File: VX013094.D

Acq: 16 Oct 2019 14:14

Tot Ion:	128	Resp:	31817
Ion	Ratio	Lower	Upper
128	100		
49	156.5	0.0	382.3
130	129.9	0.0	321.8

Instrument :

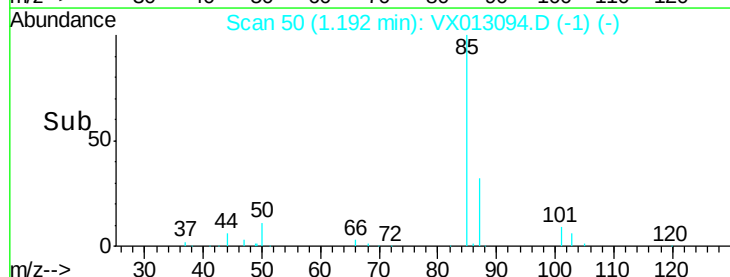
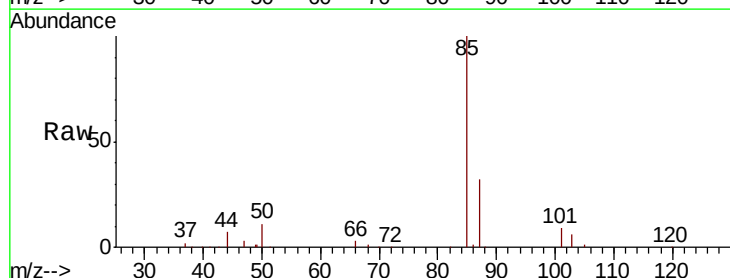
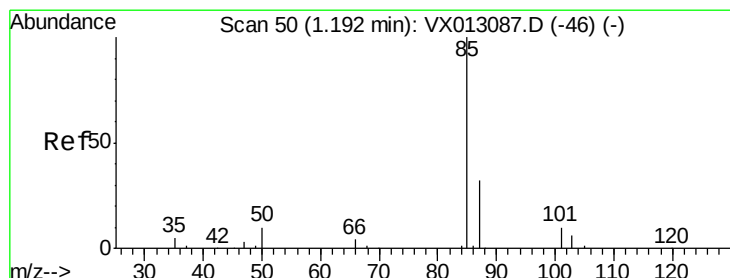
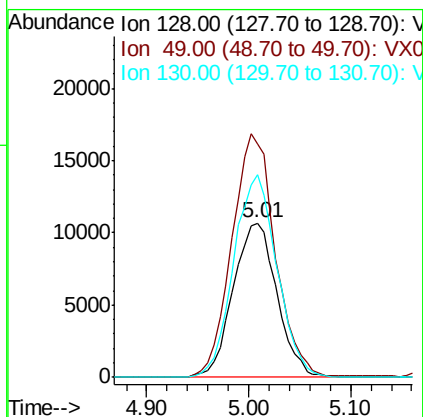
MSVOA_X

ClientSampleId :

VX1016WBSD01

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 18.317 ug/l

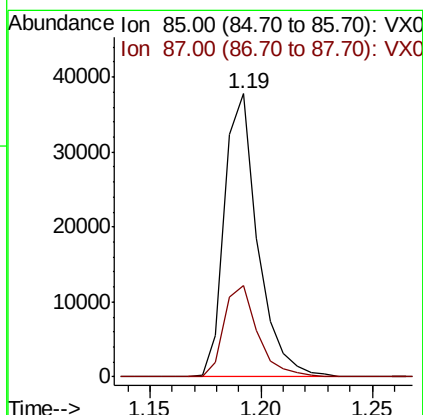
RT: 1.19 min Scan# 50

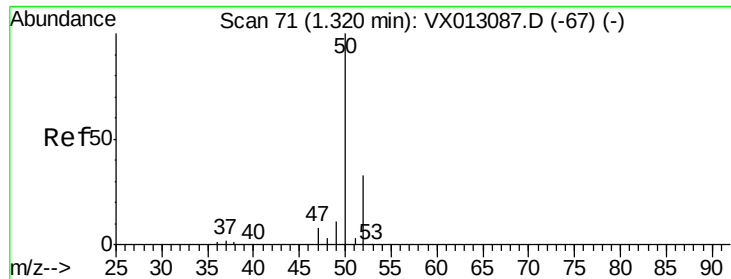
Delta R.T. -0.00 min

Lab File: VX013094.D

Acq: 16 Oct 2019 14:14

Tgt Ion:	85	Resp:	39292
Ion	Ratio	Lower	Upper
85	100		
87	32.4	16.2	48.5





#3

Chloromethane

Concen: 18.375 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX013094.D

Acq: 16 Oct 2019 14:14

Instrument :

MSVOA_X

ClientSampleId :

VX1016WBSD01

Tot Ion: 50 Resp: 38688

Ion Ratio Lower Upper

50 100

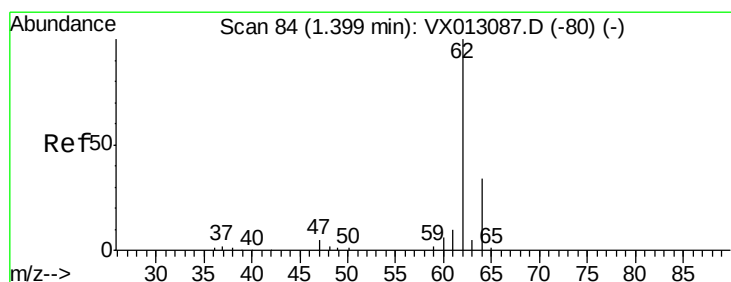
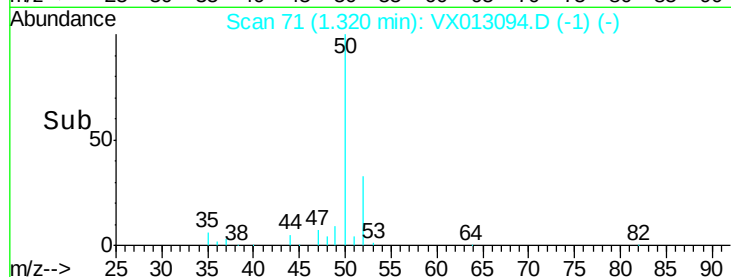
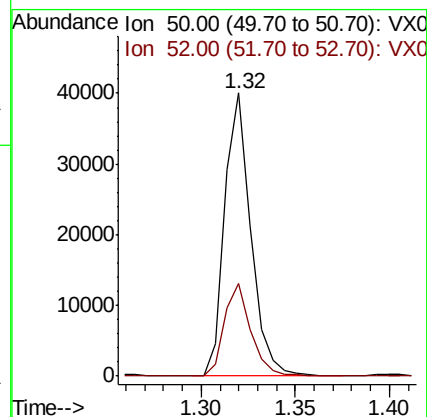
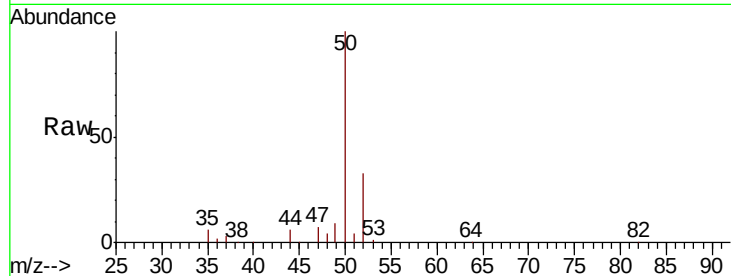
52 33.0 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.589 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013094.D

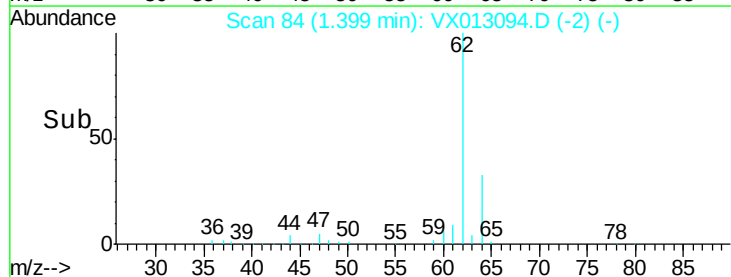
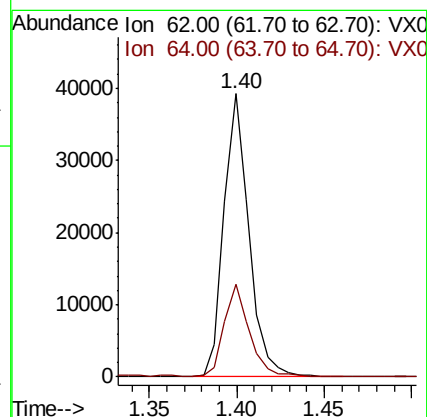
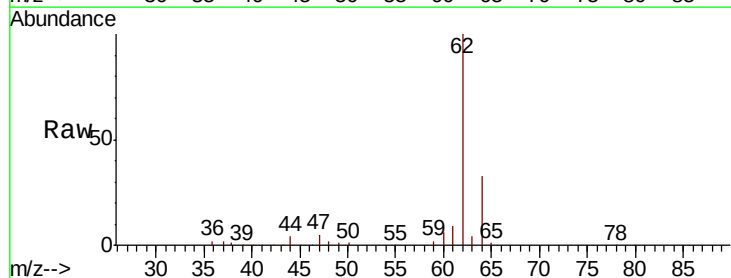
Acq: 16 Oct 2019 14:14

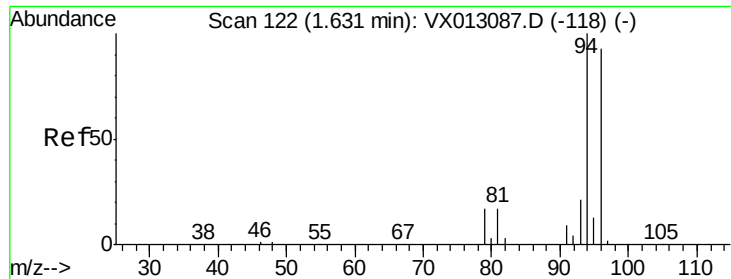
Tgt Ion: 62 Resp: 39042

Ion Ratio Lower Upper

62 100

64 32.7 27.4 41.0





#5

Bromomethane

Concen: 23.984 ug/l

RT: 1.63 min Scan# 122

Delta R.T. -0.00 min

Lab File: VX013094.D

Acq: 16 Oct 2019 14:14

Instrument :

MSVOA_X

ClientSampleId :

VX1016WBSD01

Tot Ion: 94 Resp: 23541

Ion Ratio Lower Upper

94 100

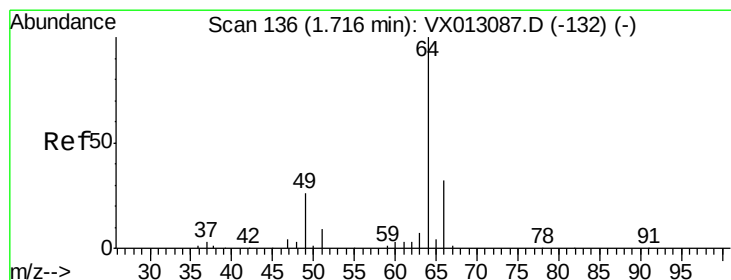
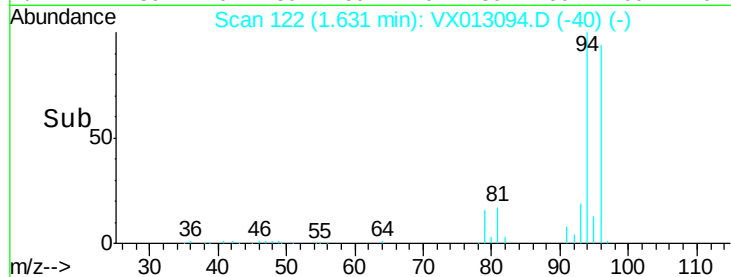
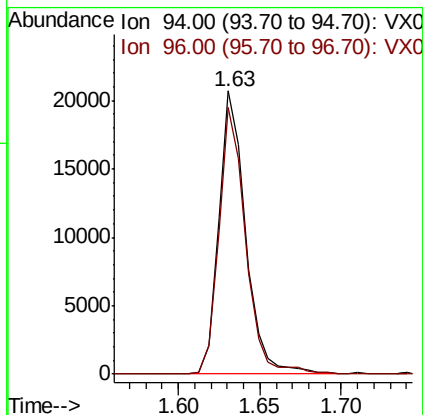
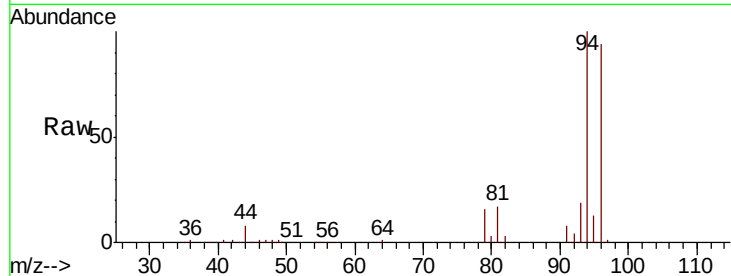
96 94.4 74.2 111.4

Manual Integrations

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#6

Chloroethane

Concen: 19.169 ug/l

RT: 1.72 min Scan# 136

Delta R.T. -0.00 min

Lab File: VX013094.D

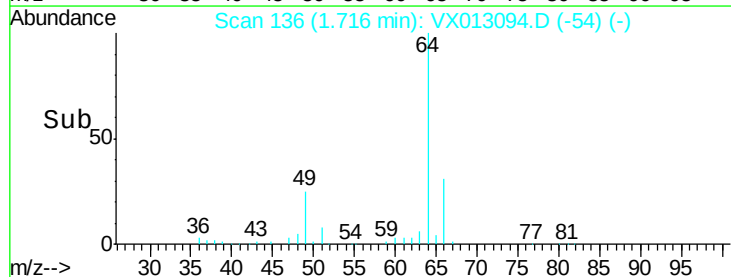
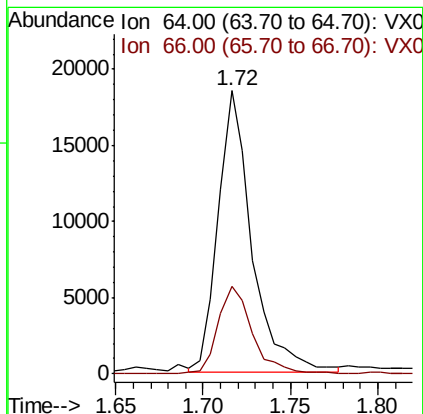
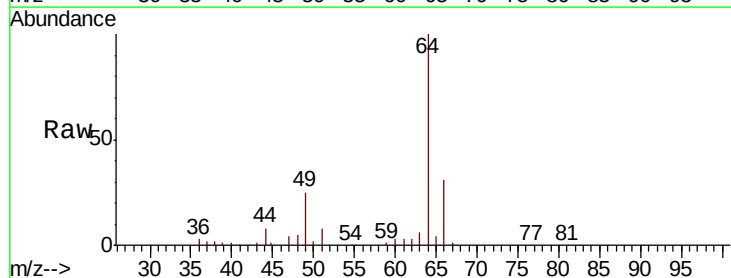
Acq: 16 Oct 2019 14:14

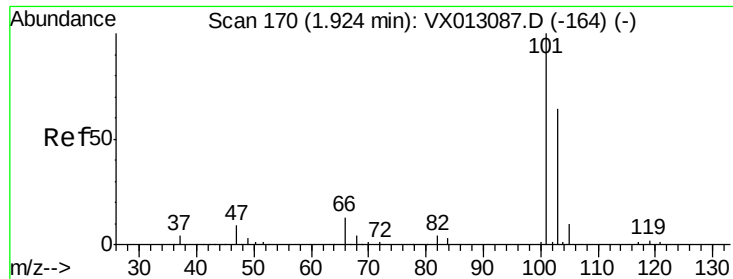
Tgt Ion: 64 Resp: 24752

Ion Ratio Lower Upper

64 100

66 31.4 25.6 38.4





#7

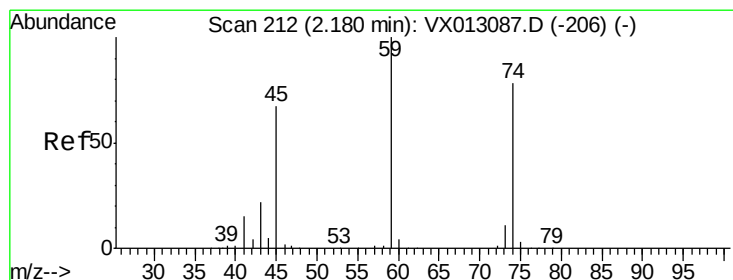
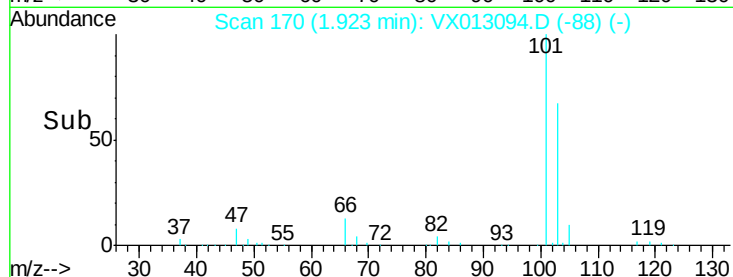
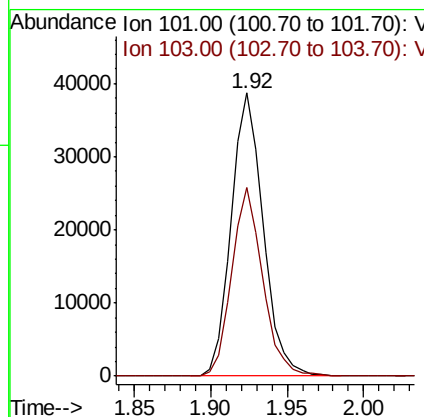
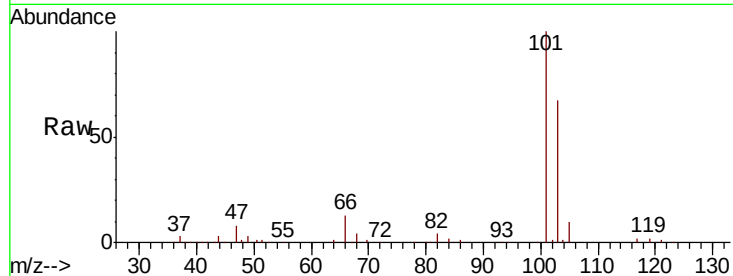
Trichlorofluoromethane
 Concen: 18.182 ug/l
 RT: 1.92 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX013094.D
 Acq: 16 Oct 2019 14:14

Instrument :
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 ClientSampleId :
 VX1016WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		56110		
103	66.6	50.9	76.3		

Manual Integrations
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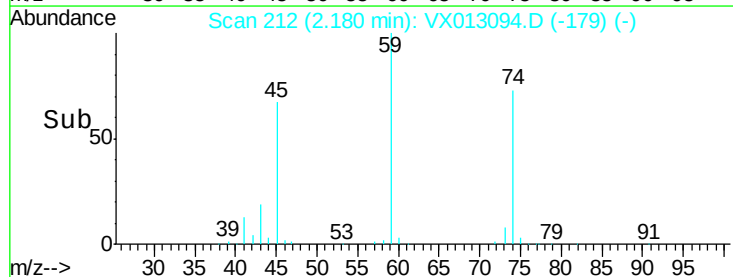
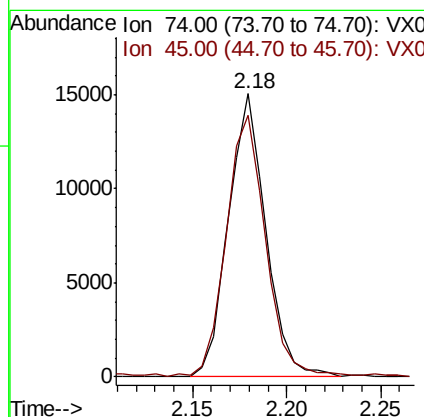
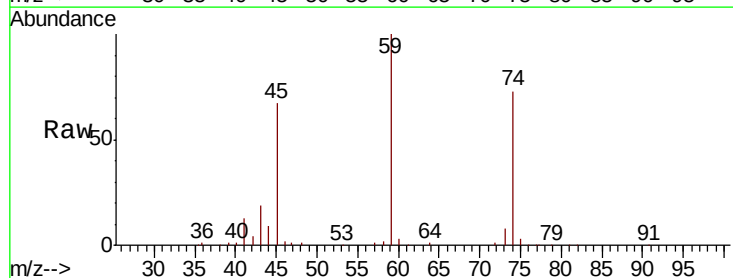
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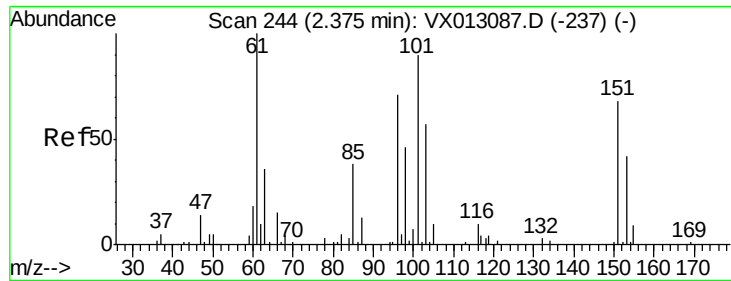


#8

Diethyl Ether
 Concen: 18.276 ug/l
 RT: 2.18 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX013094.D
 Acq: 16 Oct 2019 14:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		20756		
45	96.8	18.2	163.4		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.421 ug/l

RT: 2.37 min Scan# 244

Delta R.T. -0.00 min

Lab File: VX013094.D

Acq: 16 Oct 2019 14:14

Instrument :

MSVOA_X

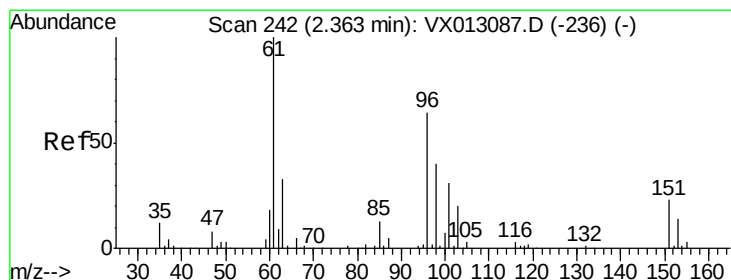
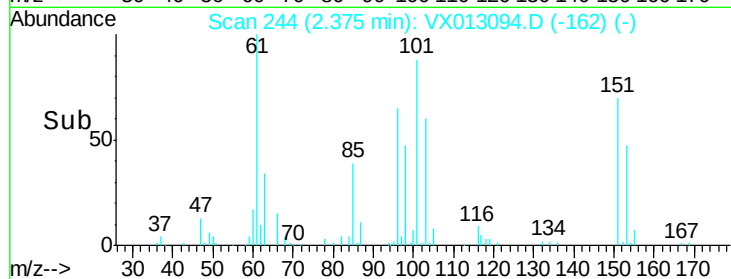
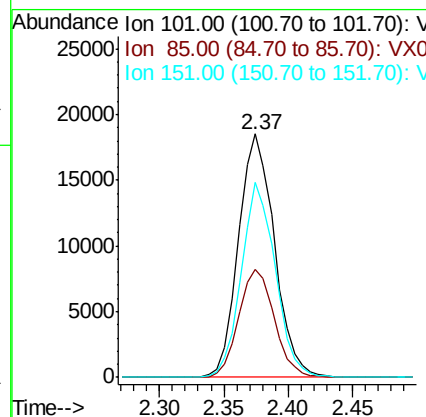
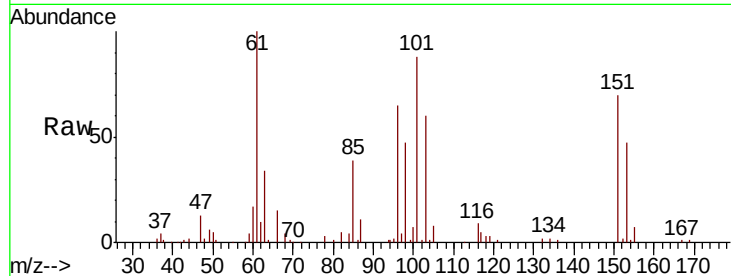
ClientSampleId :

VX1016WBSD01

Tot Ion:	101	Resp:	35835
Ion Ratio	Lower	Upper	
101	100		
85	43.8	0.0	85.2
151	75.6	0.0	157.0

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 18.532 ug/l

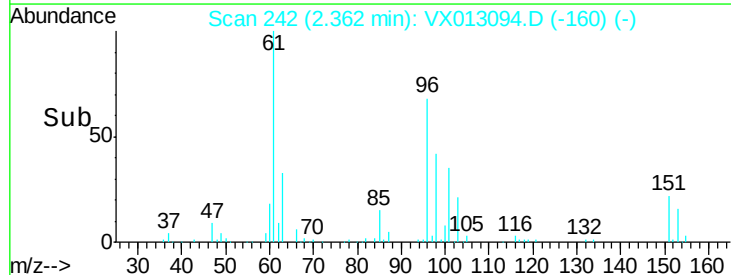
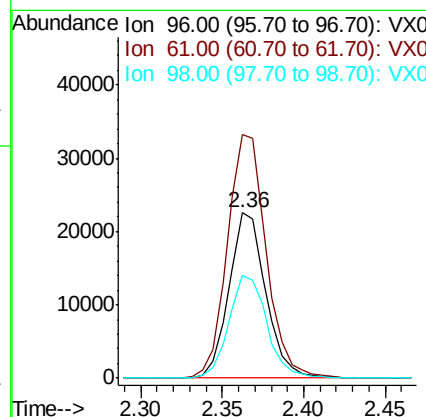
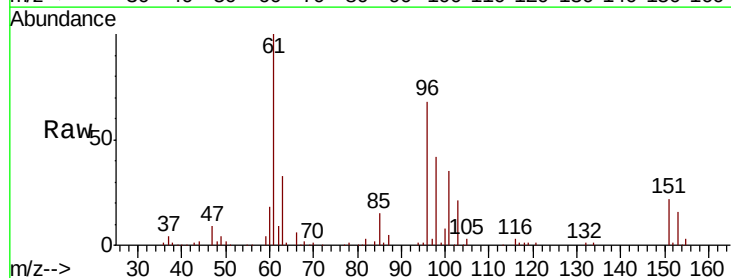
RT: 2.36 min Scan# 242

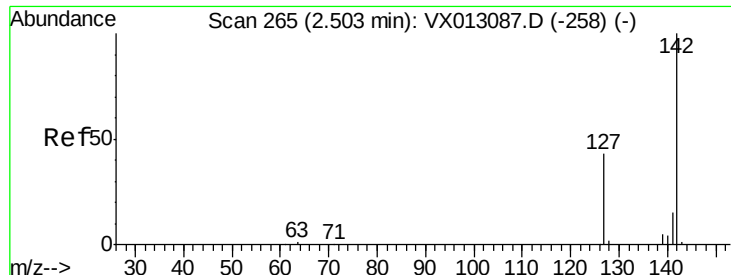
Delta R.T. -0.00 min

Lab File: VX013094.D

Acq: 16 Oct 2019 14:14

Tgt Ion:	96	Resp:	35465
Ion Ratio	Lower	Upper	
96	100		
61	146.9	124.2	186.2
98	62.3	50.2	75.2





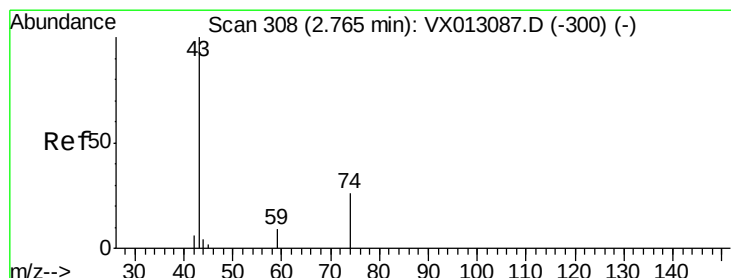
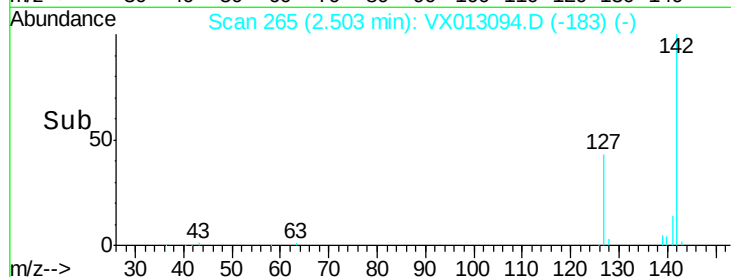
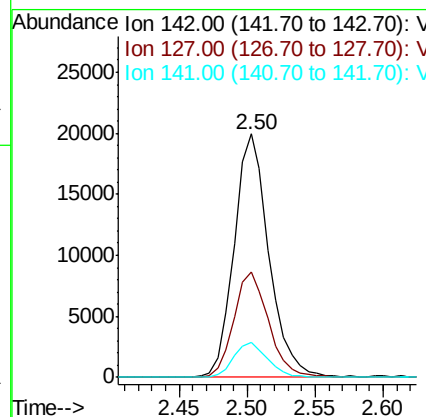
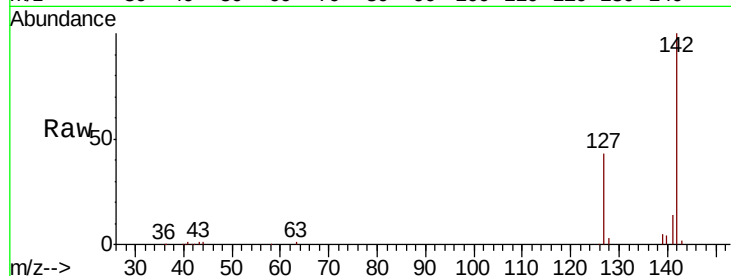
#11
Methvl Iodide
Concen: 15.154 ug/l
RT: 2.50 min Scan# 265
Delta R.T. -0.00 min
Lab File: VX013094.D
Acq: 16 Oct 2019 14:14

Instrument :
MSVOA_X
ClientSampleId :
VX1016WBSD01

Tot Ion	Ratio	Lower	Upper
142	100		
127	43.2	21.4	64.2
141	14.2	7.3	21.9

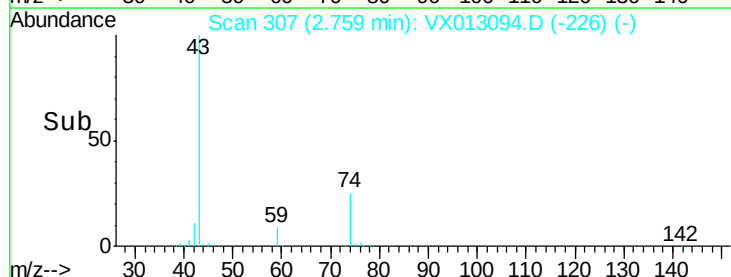
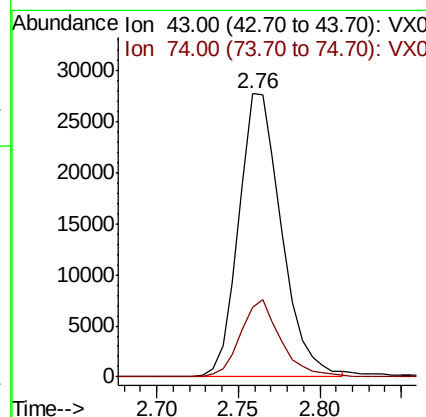
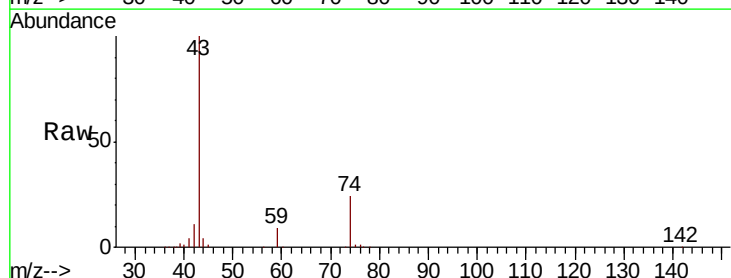
Manual Integrations
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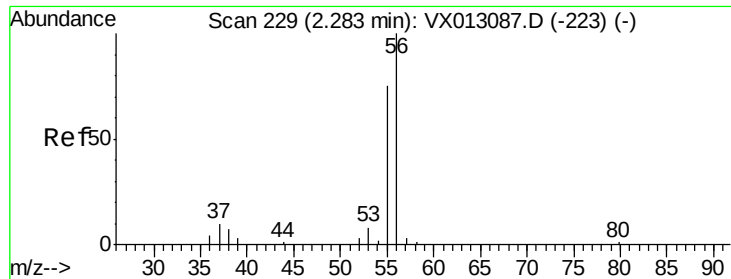
MMDadoda
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#12
Methyl Acetate
Concen: 18.899 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.01 min
Lab File: VX013094.D
Acq: 16 Oct 2019 14:14

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.2	20.9	31.3





#13

Acrolein

Concen: 92.433 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.00 min

Lab File: VX013094.D

Acq: 16 Oct 2019 14:14

Instrument :

MSVOA_X

ClientSampleId :

VX1016WBSD01

Tot Ion: 56 Resp: 35595

Ion Ratio Lower Upper

56 100

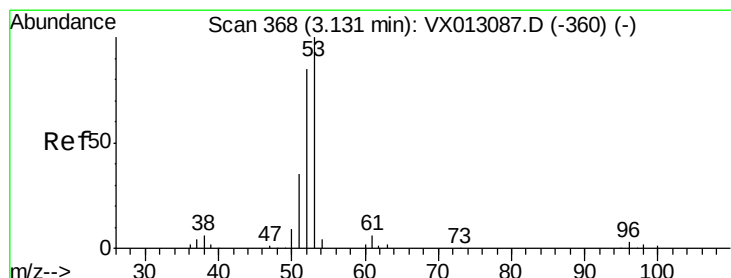
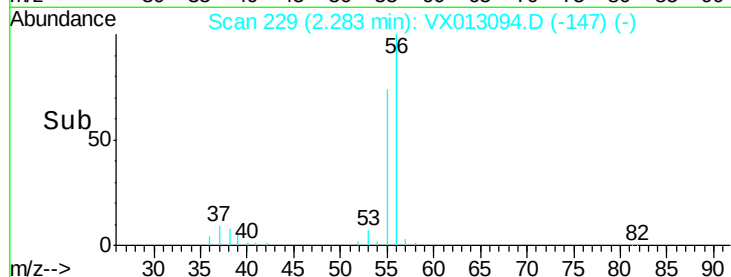
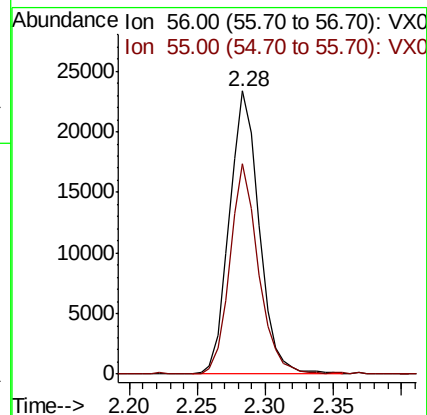
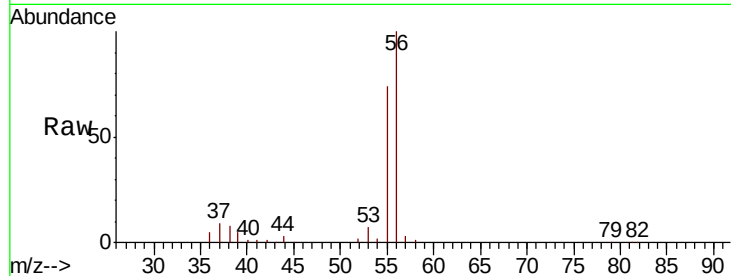
55 71.0 57.8 86.8

Manual Integrations

APPROVED

MMDadoda

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#14

Acrylonitrile

Concen: 96.457 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX013094.D

Acq: 16 Oct 2019 14:14

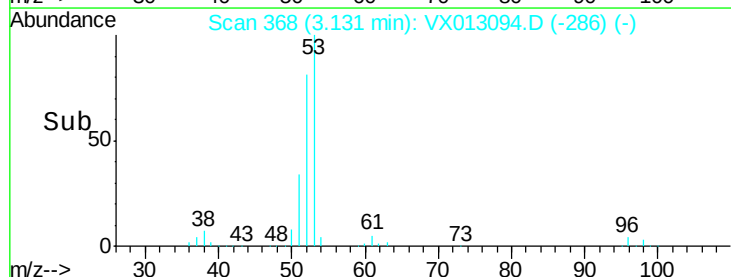
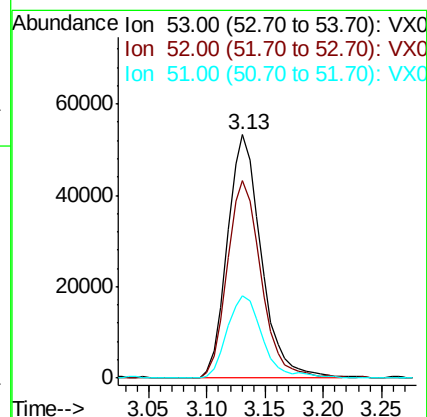
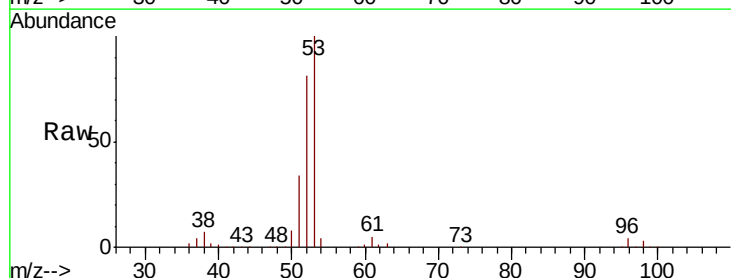
Tgt Ion: 53 Resp: 107744

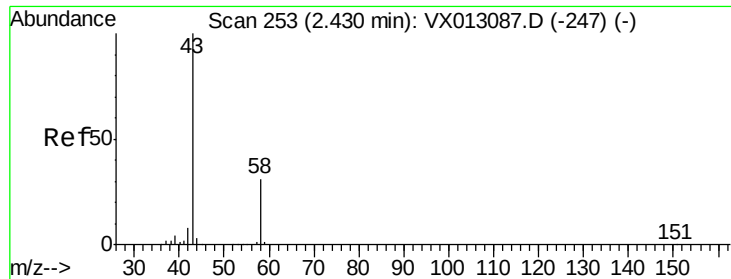
Ion Ratio Lower Upper

53 100

52 81.6 41.4 124.2

51 35.8 18.1 54.4





#15

Acetone

Concen: 89.472 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX013094.D

Acq: 16 Oct 2019 14:14

Instrument :

MSVOA_X

ClientSampleId :

VX1016WBSD01

Tot Ion: 58 Resp: 35381

Ion Ratio Lower Upper

58 100

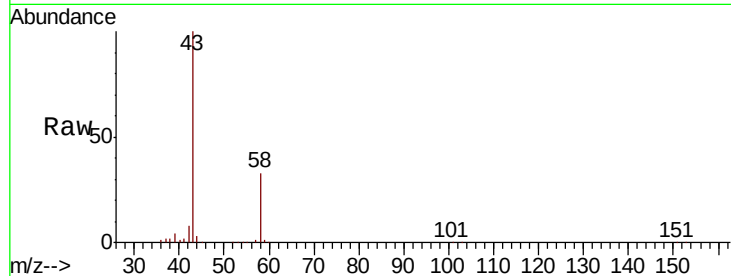
43 302.3 259.5 389.3

Manual Integrations

APPROVED

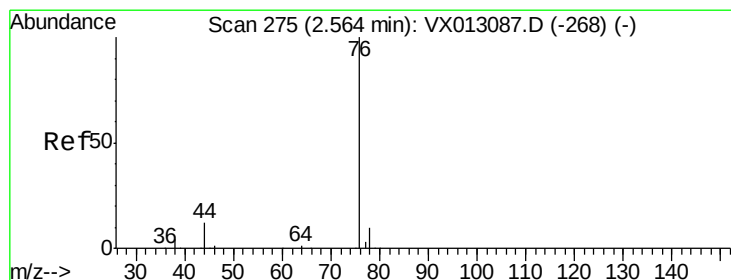
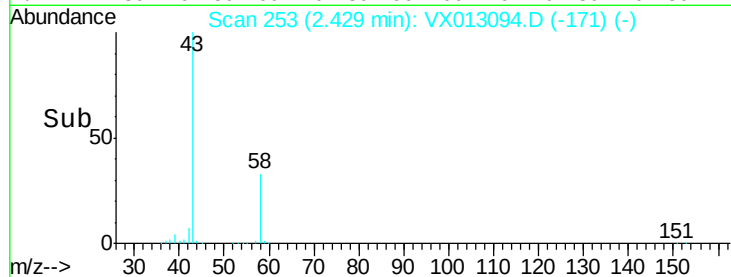
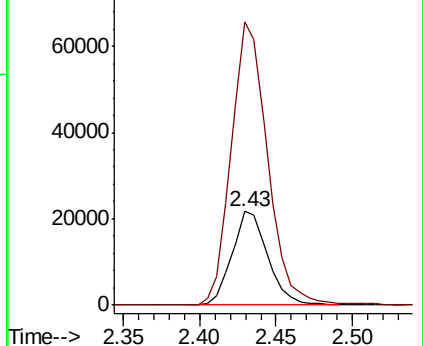
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Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 17.950 ug/l

RT: 2.56 min Scan# 275

Delta R.T. -0.00 min

Lab File: VX013094.D

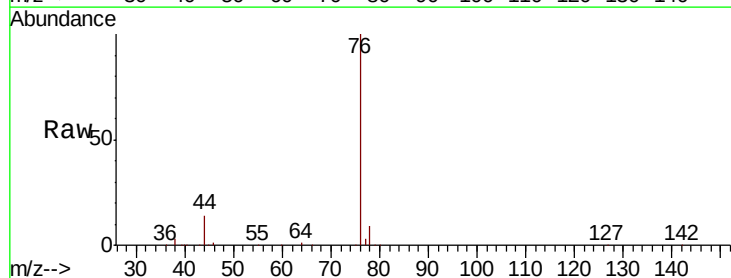
Acq: 16 Oct 2019 14:14

Tgt Ion: 76 Resp: 92896

Ion Ratio Lower Upper

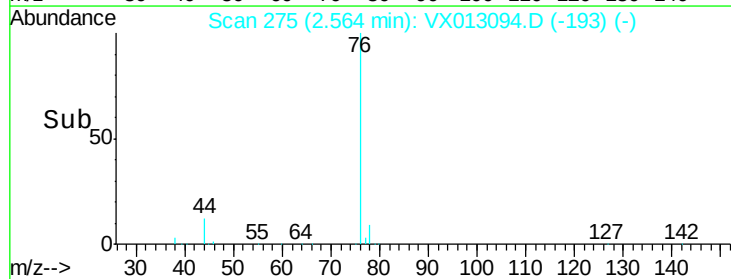
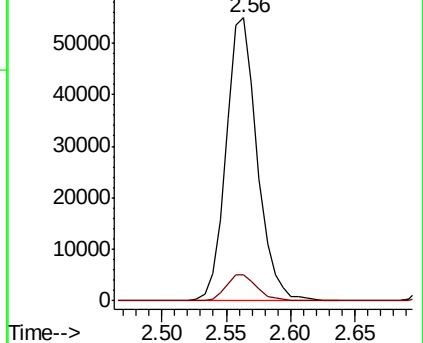
76 100

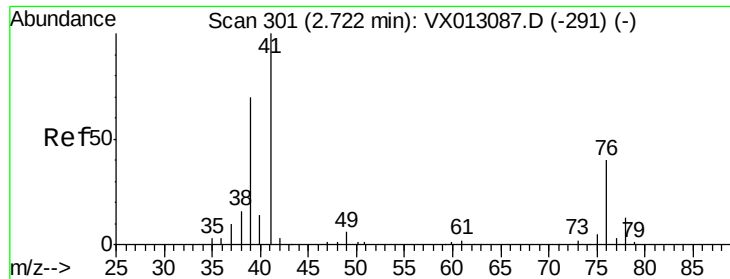
78 9.2 7.8 11.6



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





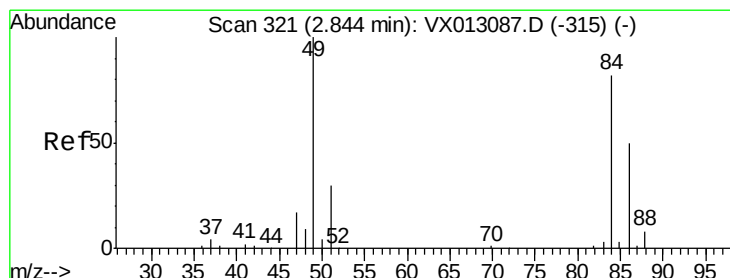
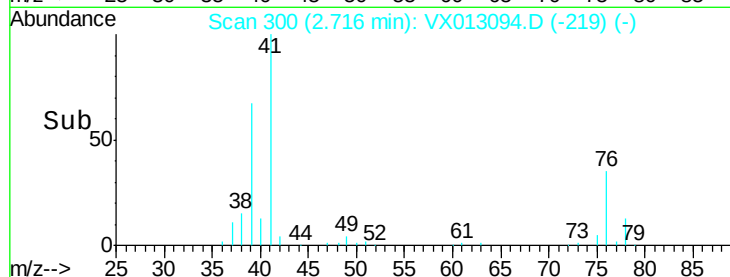
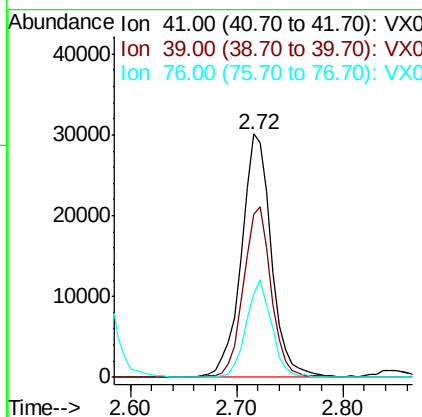
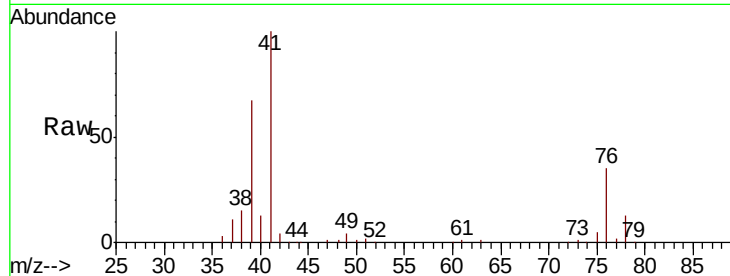
#17
Allvl chloride
Concen: 18.438 ug/l
RT: 2.72 min Scan# 300
Delta R.T. -0.01 min
Lab File: VX013094.D
Acq: 16 Oct 2019 14:14

Instrument :
MSVOA_X
ClientSampleId :
VX1016WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	66.9	34.8	104.5
76	34.2	20.2	60.5

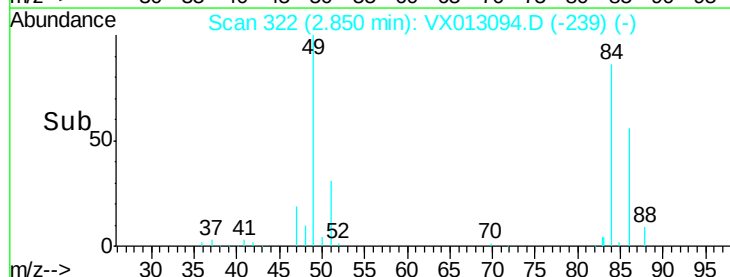
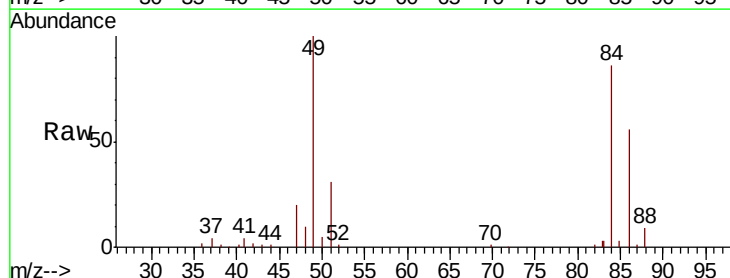
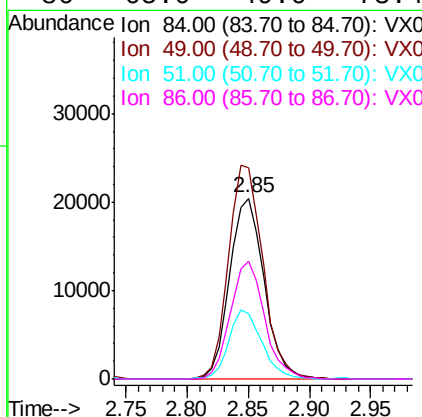
Manual Integrations
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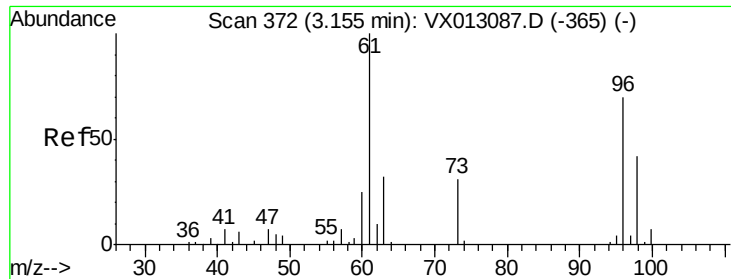
MMDadoda
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#18
Methylene Chloride
Concen: 18.353 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX013094.D
Acq: 16 Oct 2019 14:14

Tgt Ion	Ratio	Lower	Upper
84	100		
49	116.8	97.8	146.6
51	35.8	29.2	43.8
86	65.0	49.0	73.4





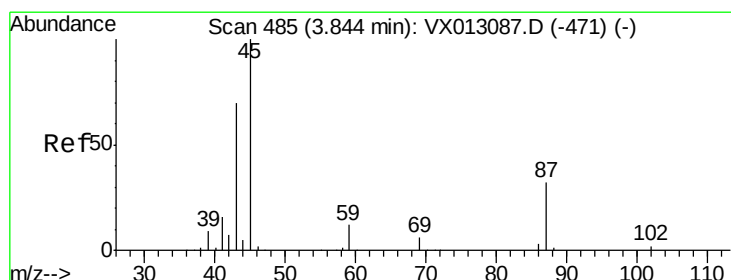
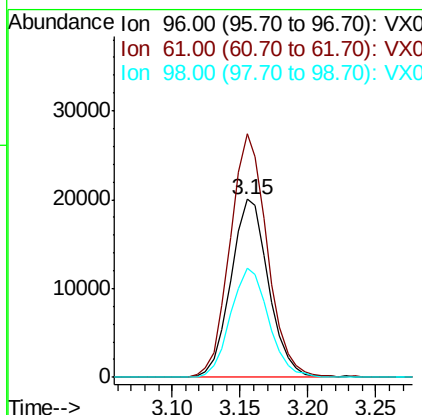
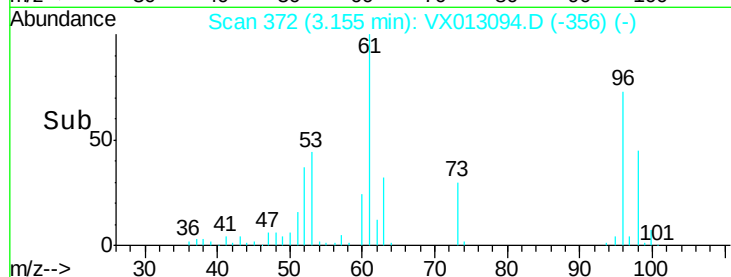
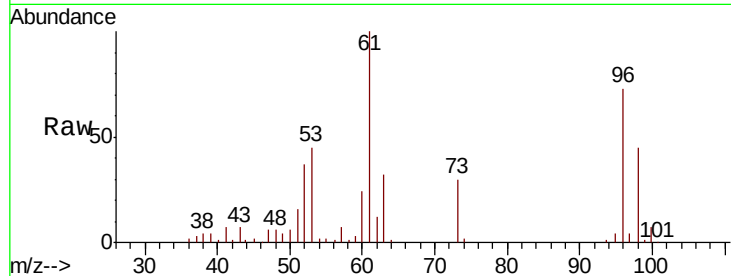
#19
trans-1,2-Dichloroethene
Concen: 18.963 ug/l
RT: 3.15 min Scan# 372
Delta R.T. -0.00 min
Lab File: VX013094.D
Acq: 16 Oct 2019 14:14

Instrument :
MSVOA_X
ClientSampleId :
VX1016WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.6	113.9	170.9
98	61.3	48.1	72.1

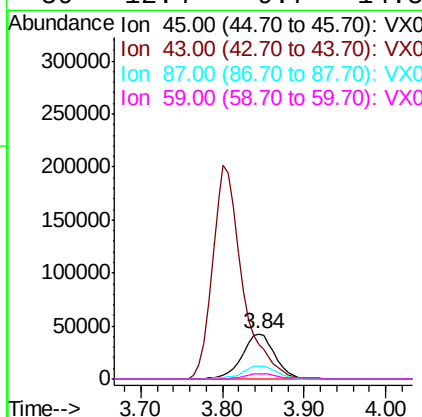
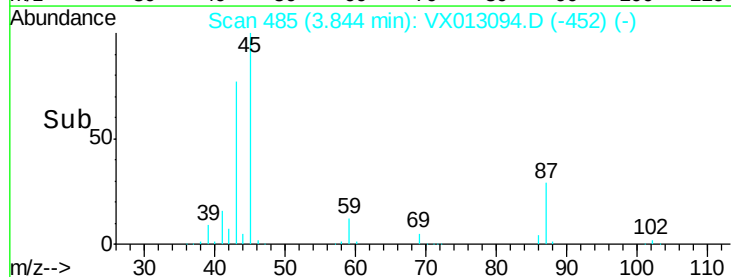
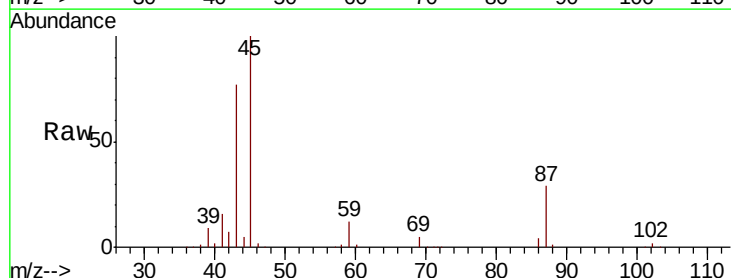
Manual Integrations
APPROVED

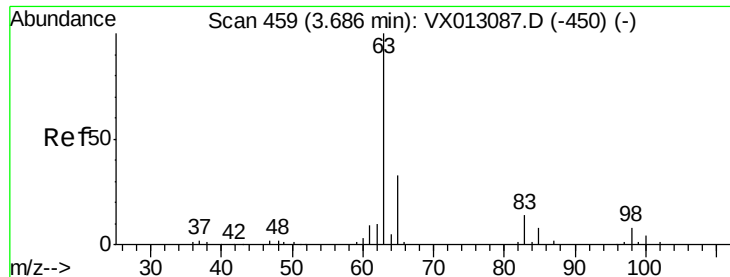
MMDadoda
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#20
Diisopropyl ether
Concen: 19.131 ug/l
RT: 3.84 min Scan# 485
Delta R.T. -0.00 min
Lab File: VX013094.D
Acq: 16 Oct 2019 14:14

Tgt Ion	Ratio	Lower	Upper
45	100		
43	76.2	57.5	86.3
87	29.5	25.3	37.9
59	12.4	9.7	14.5





#21

1,1-Dichloroethane

Concen: 18.923 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX013094.D

Acq: 16 Oct 2019 14:14

Instrument :

MSVOA_X

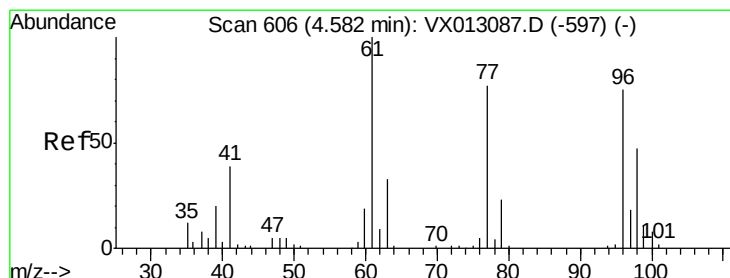
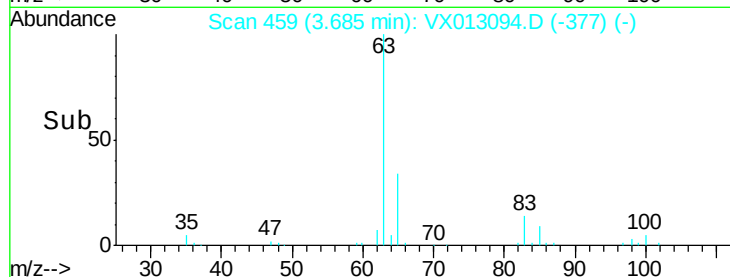
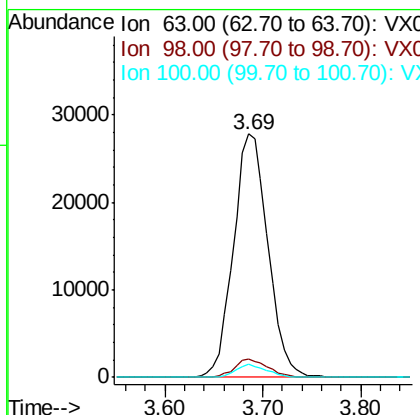
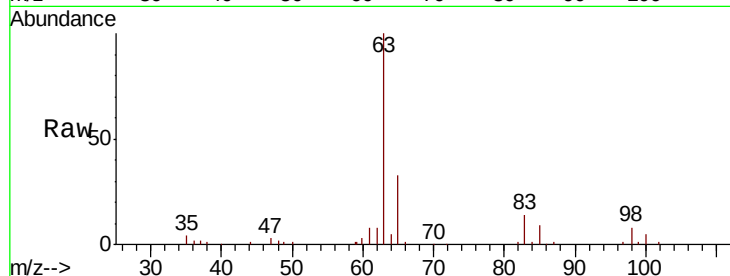
ClientSampleId :

VX1016WBSD01

Tot Ion:	63	Resp:	67994
Ion	Ratio	Lower	Upper
63	100		
98	7.5	3.8	11.4
100	5.4	2.1	6.5

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 18.426 ug/l

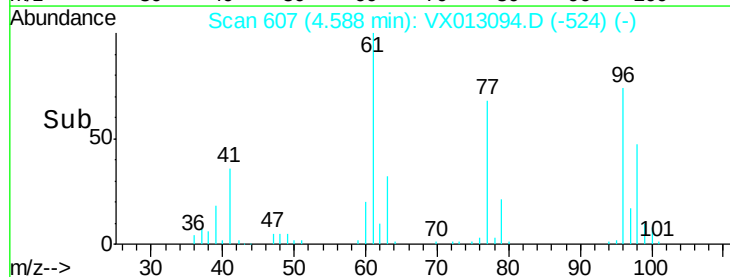
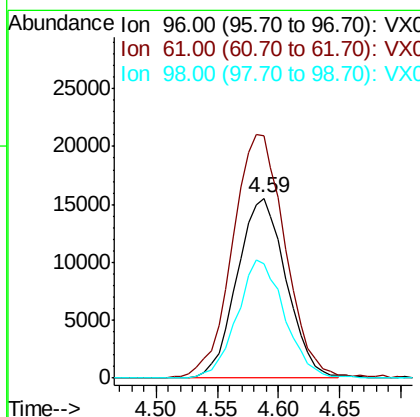
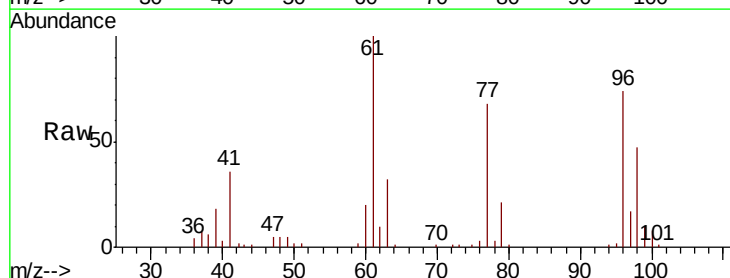
RT: 4.59 min Scan# 607

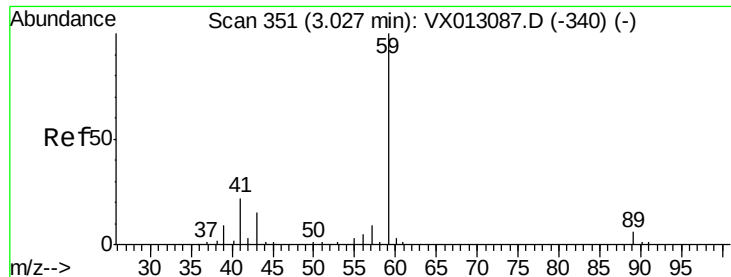
Delta R.T. 0.01 min

Lab File: VX013094.D

Acq: 16 Oct 2019 14:14

Tgt Ion:	96	Resp:	43393
Ion	Ratio	Lower	Upper
96	100		
61	145.0	115.0	172.4
98	63.4	51.5	77.3





#23

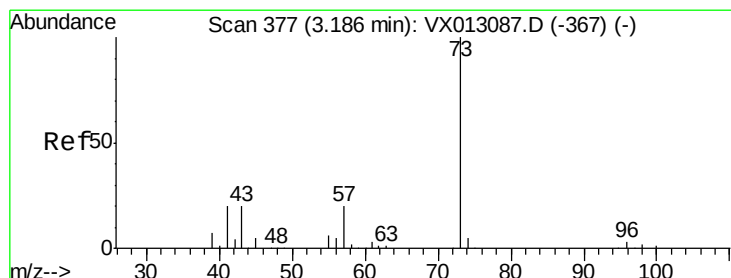
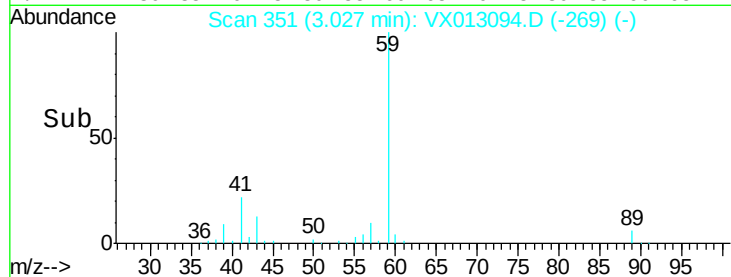
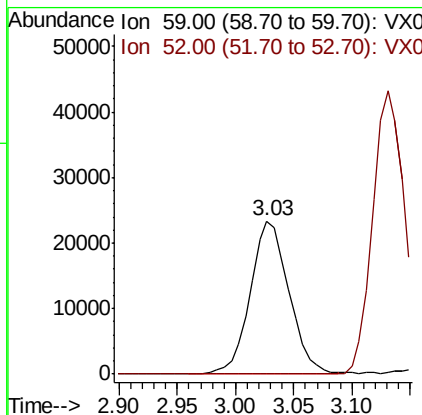
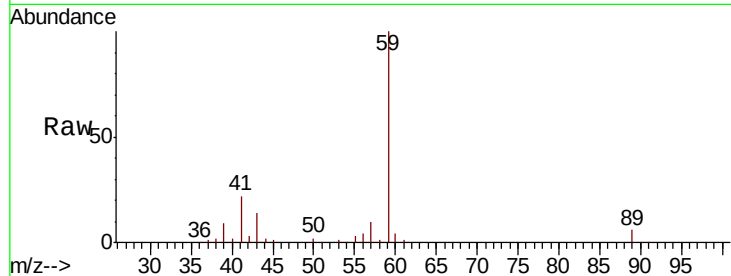
tert-Butyl Alcohol
 Concen: 95.462 ug/l
 RT: 3.03 min Scan# 351
 Delta R.T. -0.00 min
 Lab File: VX013094.D
 Acq: 16 Oct 2019 14:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1016WBSD01

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

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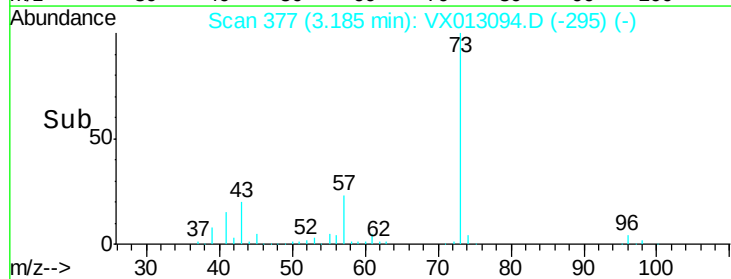
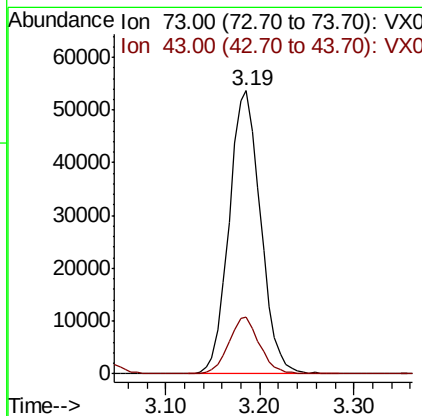
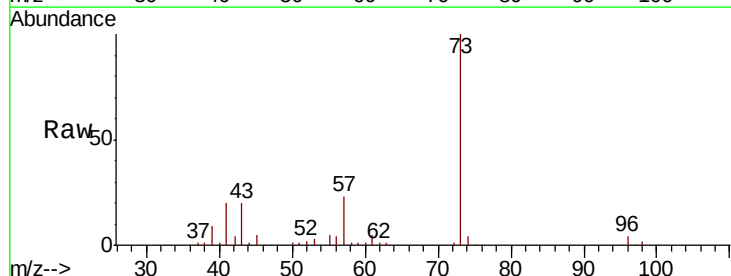
MMDadoda
 10/18/2019 4:52:13 PM

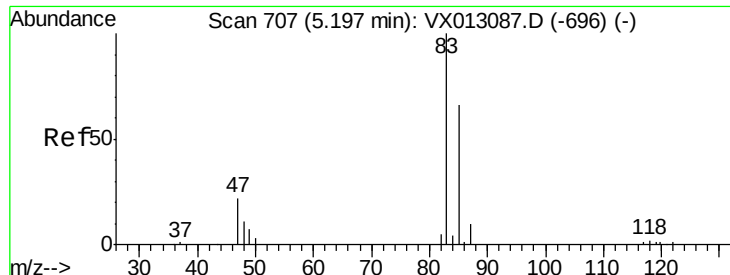


#24

Methyl tert-Butyl Ether
 Concen: 19.123 ug/l
 RT: 3.19 min Scan# 377
 Delta R.T. -0.00 min
 Lab File: VX013094.D
 Acq: 16 Oct 2019 14:14

Tgt Ion	Ratio	Lower	Upper
73	100		
43	19.4	15.8	23.8





#25

Chloroform

Concen: 18.614 ug/l

RT: 5.20 min Scan# 707

Delta R.T. -0.00 min

Lab File: VX013094.D

Acq: 16 Oct 2019 14:14

Instrument :

MSVOA_X

ClientSampleId :

VX1016WBSD01

Tot Ion: 83 Resp: 69159

Ion Ratio Lower Upper

83 100

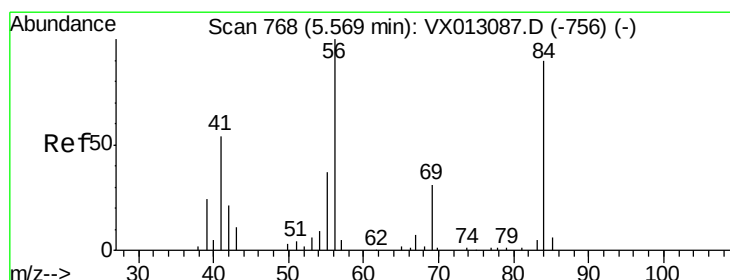
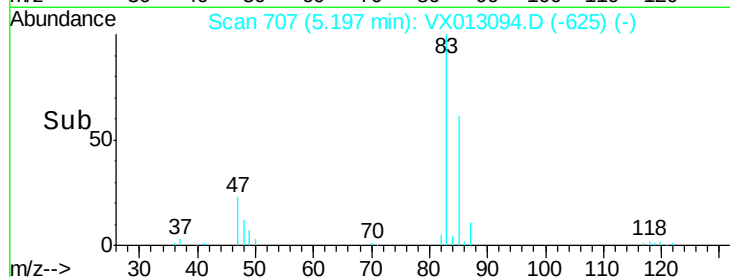
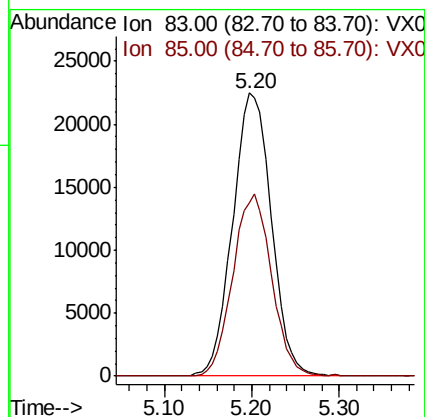
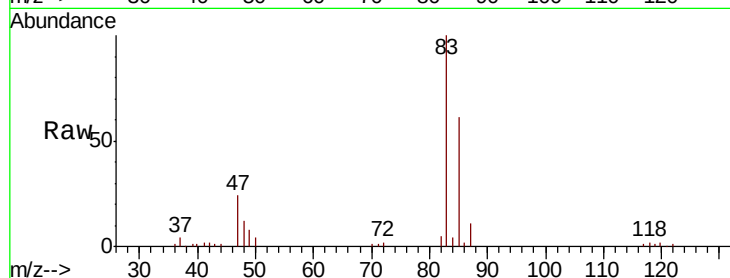
85 60.9 53.0 79.6

Manual Integrations

APPROVED

MMDadoda

10/18/2019 4:52:13 PM



#26

Cyclohexane

Concen: 18.624 ug/l

RT: 5.57 min Scan# 768

Delta R.T. -0.00 min

Lab File: VX013094.D

Acq: 16 Oct 2019 14:14

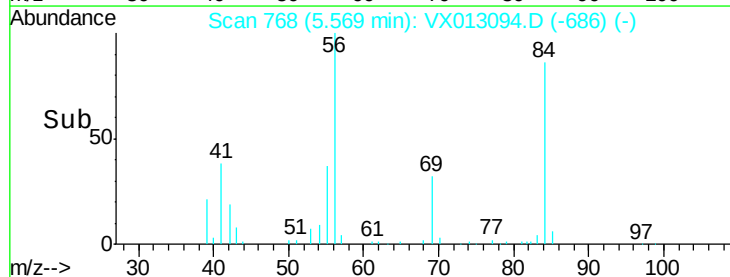
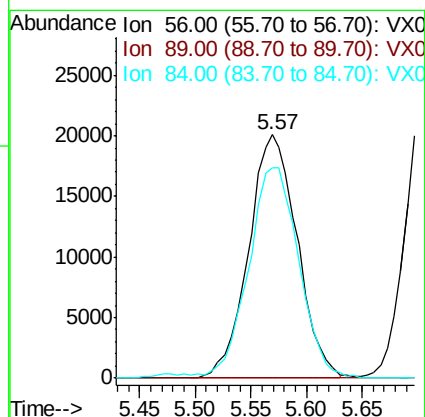
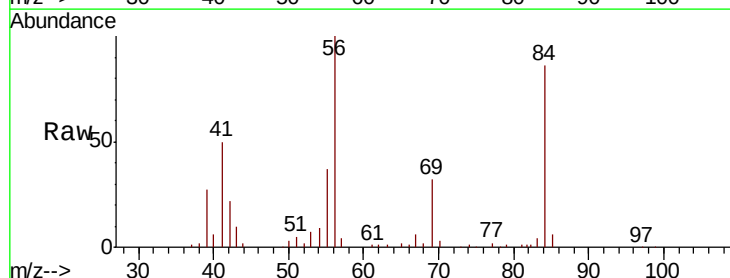
Tgt Ion: 56 Resp: 60809

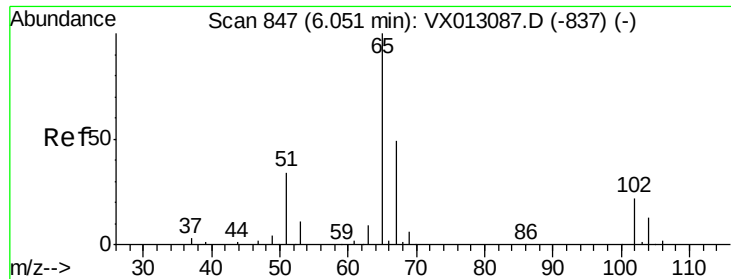
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 89.8 71.3 106.9





#27

1,2-Dichloroethane-d4

Concen: 29.351 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX013094.D

Acq: 16 Oct 2019 14:14

Instrument :

MSVOA_X

ClientSampleId :

VX1016WBSD01

Tot Ion: 65 Resp: 71611

Ion Ratio Lower Upper

65 100

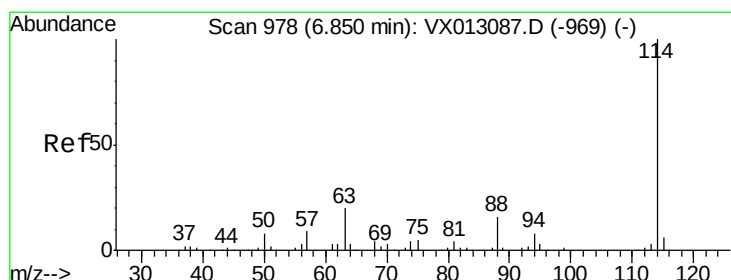
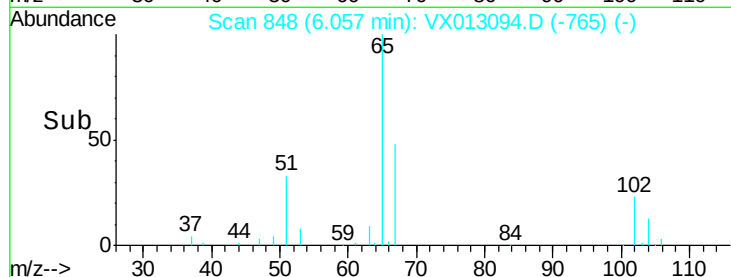
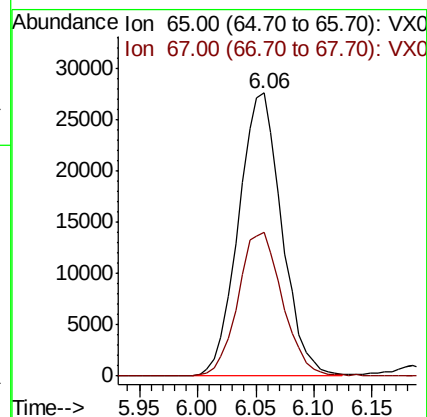
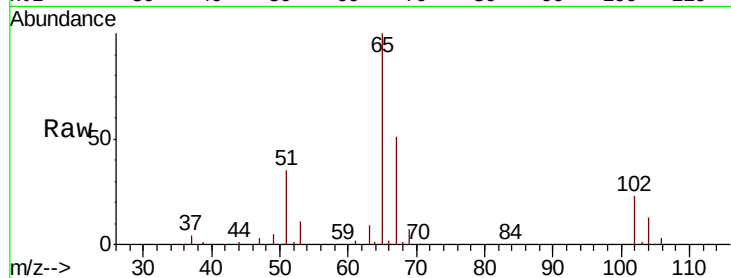
67 51.9 41.2 61.8

Manual Integrations

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#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX013094.D

Acq: 16 Oct 2019 14:14

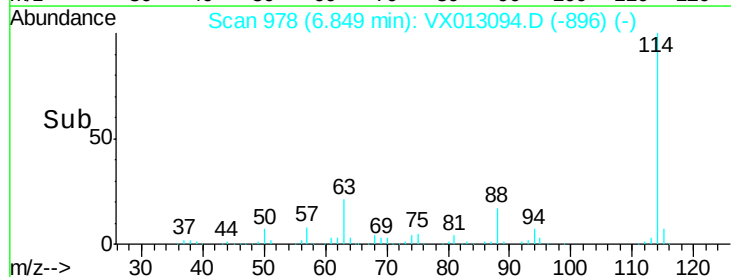
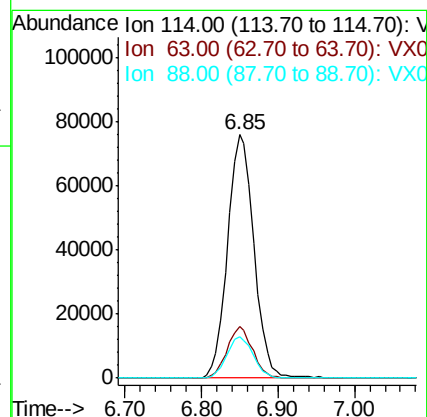
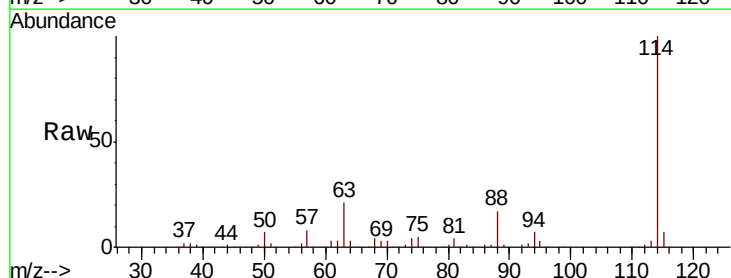
Tgt Ion: 114 Resp: 181006

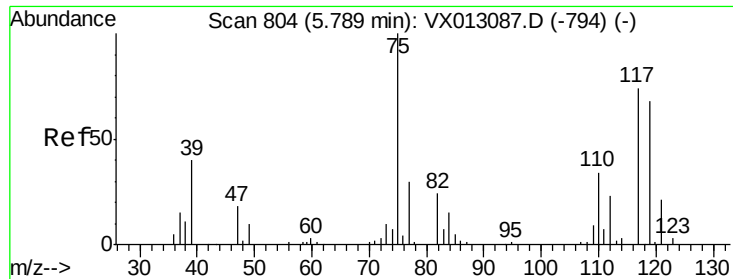
Ion Ratio Lower Upper

114 100

63 20.4 16.5 24.7

88 17.0 13.6 20.4





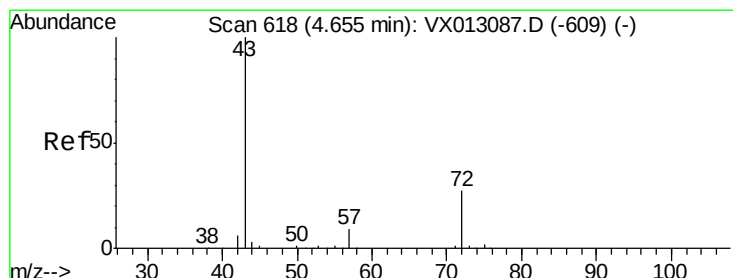
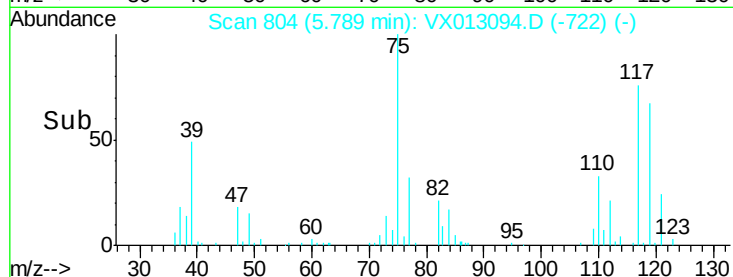
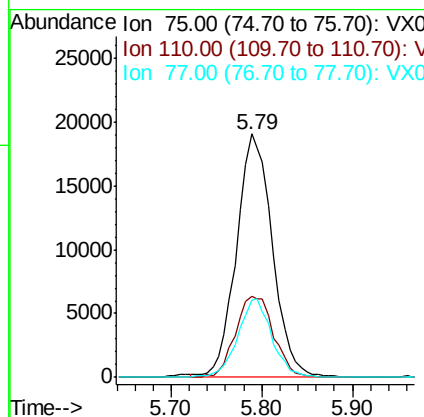
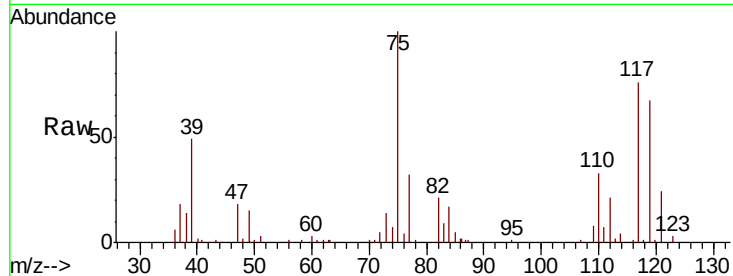
#29
 1,1-Dichloropropene
 Concen: 18.827 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. -0.00 min
 Lab File: VX013094.D
 Acq: 16 Oct 2019 14:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1016WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
110	35.5	0.0	72.2
77	30.9	0.0	62.8

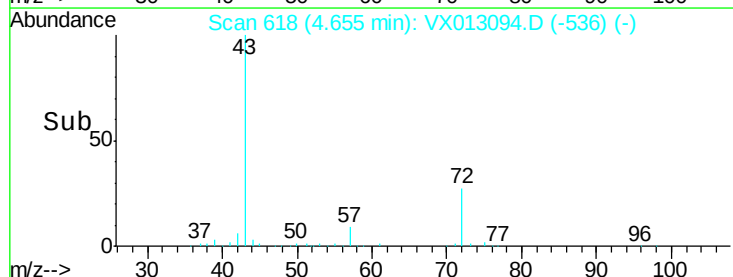
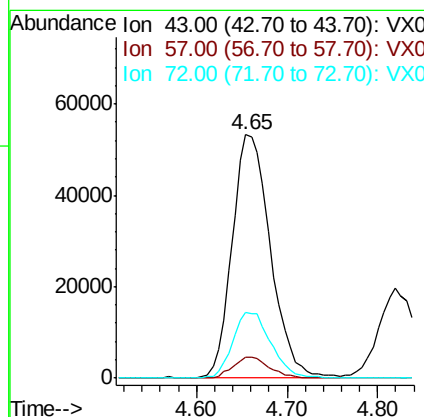
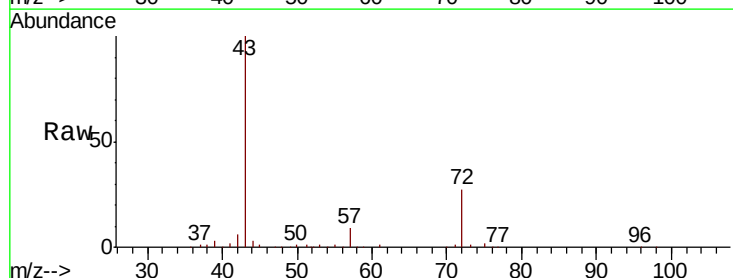
Manual Integrations
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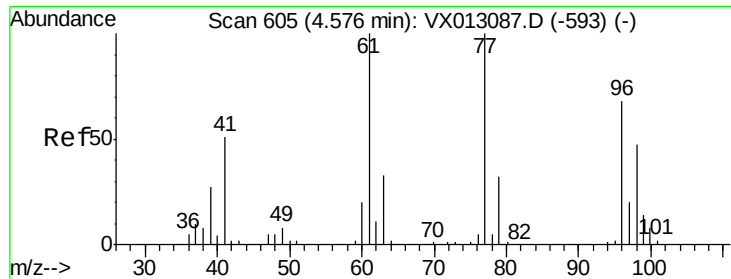
MMDadoda
 10/18/2019 4:52:13 PM



#30
 2-Butanone
 Concen: 94.945 ug/l
 RT: 4.65 min Scan# 618
 Delta R.T. -0.00 min
 Lab File: VX013094.D
 Acq: 16 Oct 2019 14:14

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.3	6.9	10.3
72	27.1	22.1	33.1





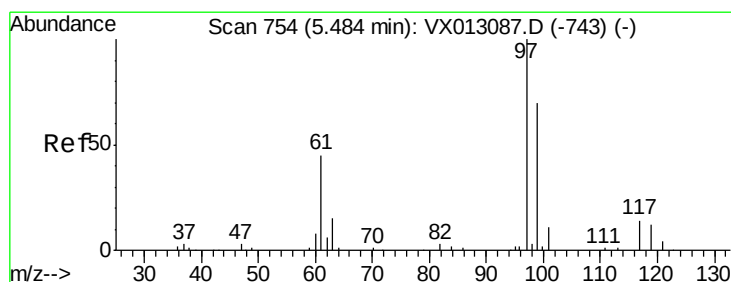
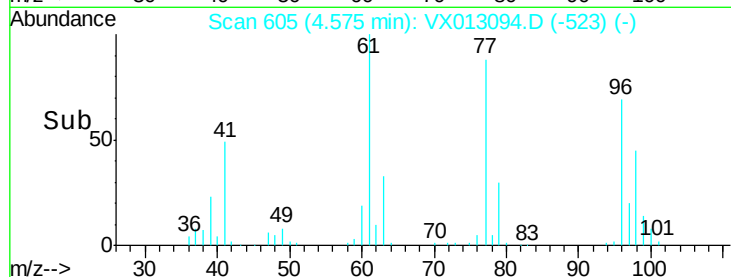
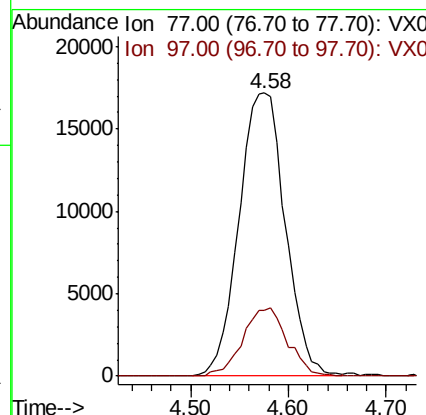
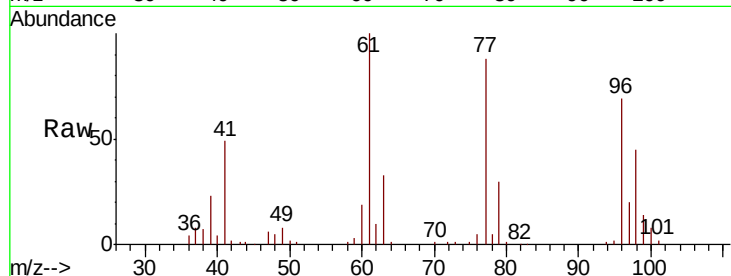
#31
 2,2-Dichloropropane
 Concen: 18.012 ug/l
 RT: 4.58 min Scan# 605
 Delta R.T. -0.00 min
 Lab File: VX013094.D
 Acq: 16 Oct 2019 14:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1016WBSD01

Tot Ion: 77 Resp: 56257
 Ion Ratio Lower Upper
 77 100
 97 23.3 17.8 26.6

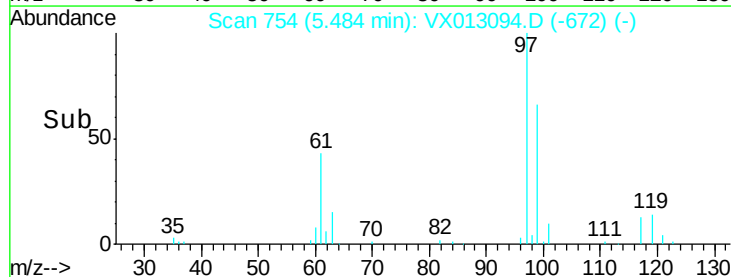
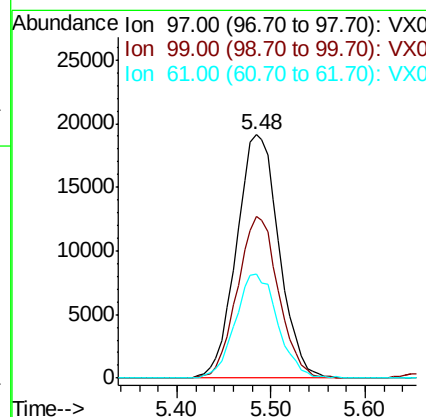
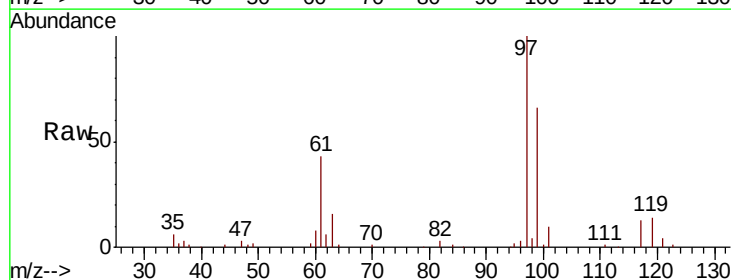
Manual Integrations
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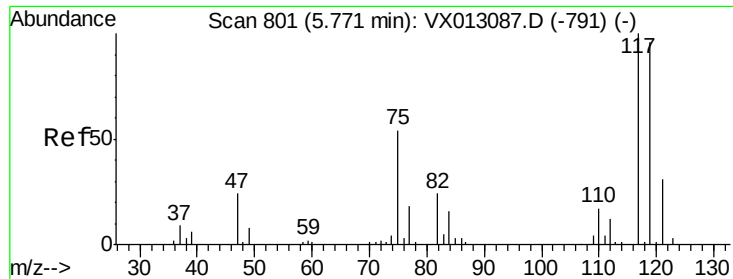
MMDadoda
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#32
 1,1,1-Trichloroethane
 Concen: 18.638 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.00 min
 Lab File: VX013094.D
 Acq: 16 Oct 2019 14:14

Tgt Ion: 97 Resp: 60198
 Ion Ratio Lower Upper
 97 100
 99 64.0 52.4 78.6
 61 42.5 35.1 52.7





#33

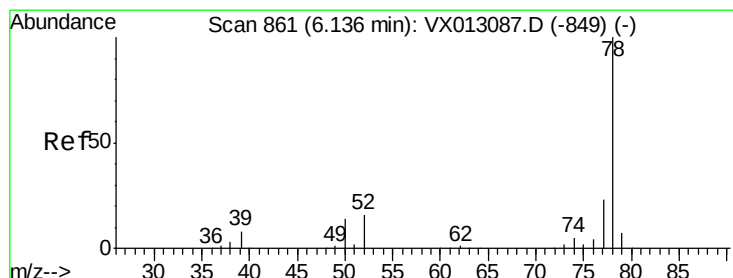
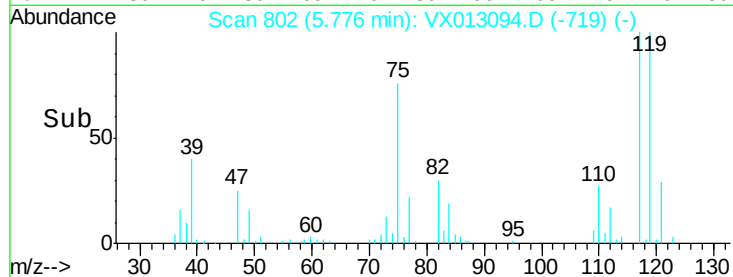
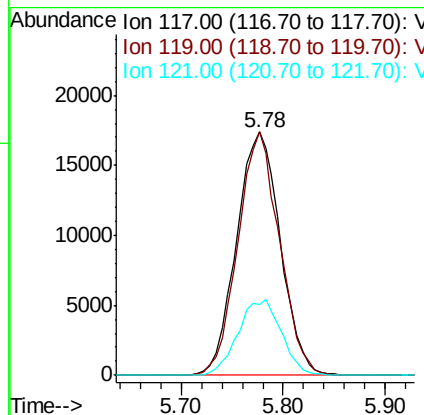
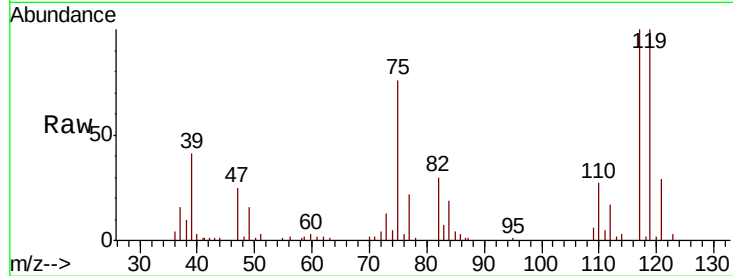
Carbon Tetrachloride
Concen: 18.661 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.01 min
Lab File: VX013094.D
Acq: 16 Oct 2019 14:14

Instrument :
MSVOA_X
ClientSampleId :
VX1016WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
119	100.0	77.0	115.4
121	29.3	24.6	36.8

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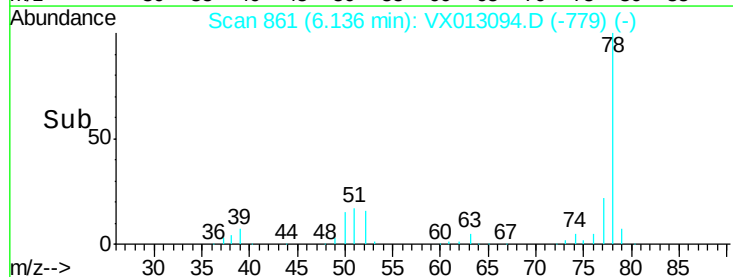
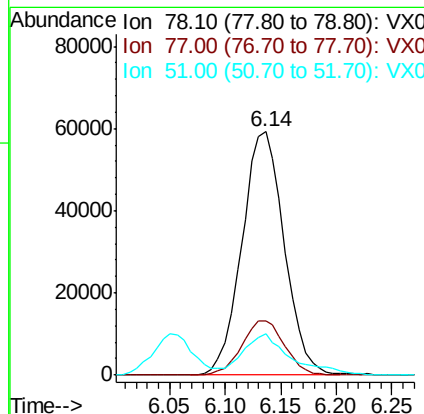
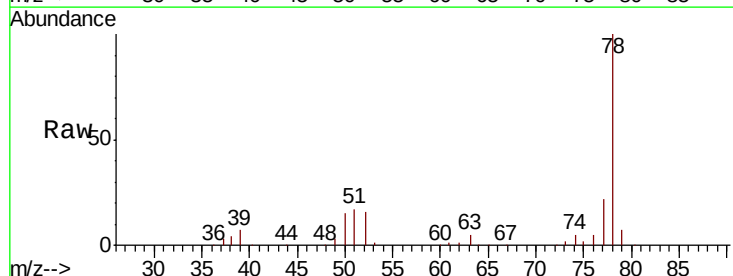
MMDadoda
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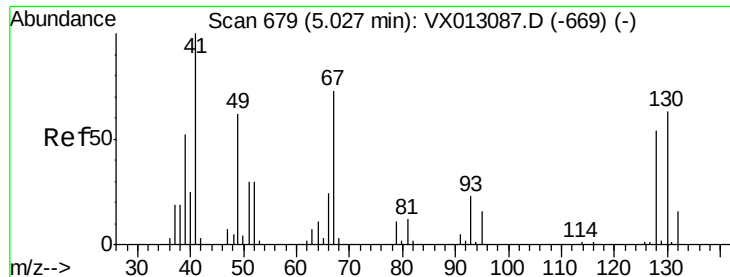


#34

Benzene
Concen: 19.097 ug/l
RT: 6.14 min Scan# 861
Delta R.T. -0.00 min
Lab File: VX013094.D
Acq: 16 Oct 2019 14:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.3	18.5	27.7
51	15.2	12.1	18.1





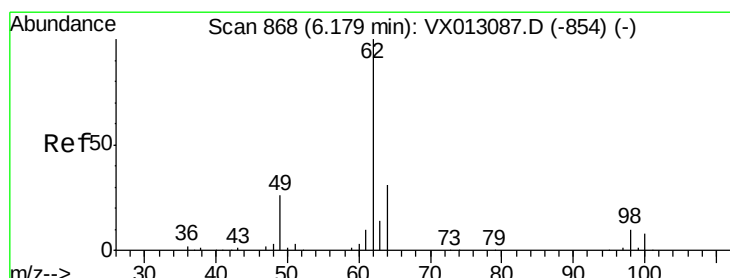
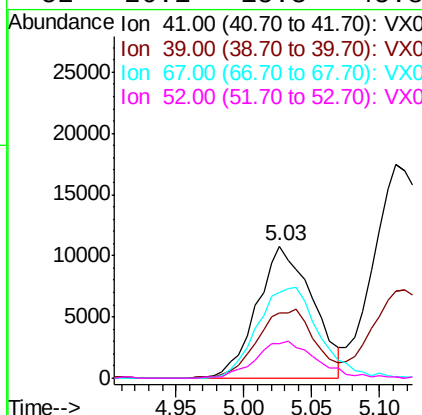
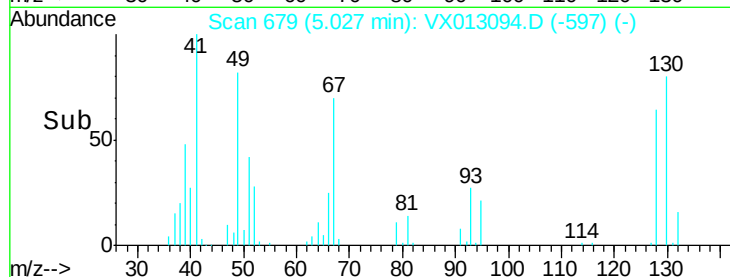
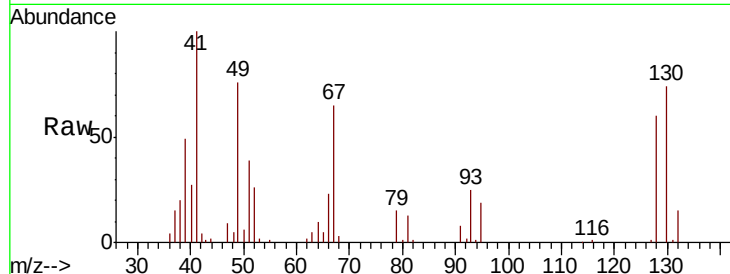
#35
Methacrylonitrile
Concen: 19.325 ug/l
RT: 5.03 min Scan# 679
Delta R.T. -0.00 min
Lab File: VX013094.D
Acq: 16 Oct 2019 14:14

Instrument :
MSVOA_X
ClientSampleId :
VX1016WBSD01

Tot Ion:	41	Resp:	30819
Ion	Ratio	Lower	Upper
41	100		
39	49.2	26.3	78.8
67	64.6	36.5	109.5
52	26.1	15.3	45.8

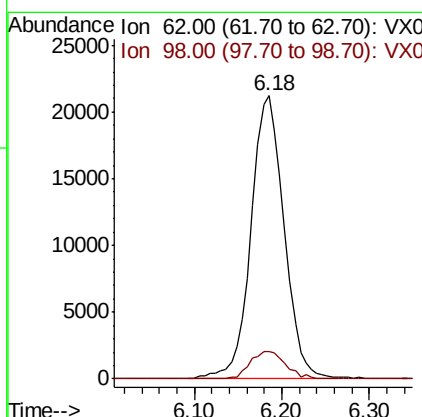
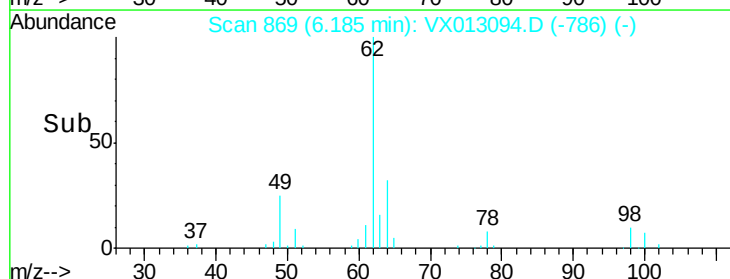
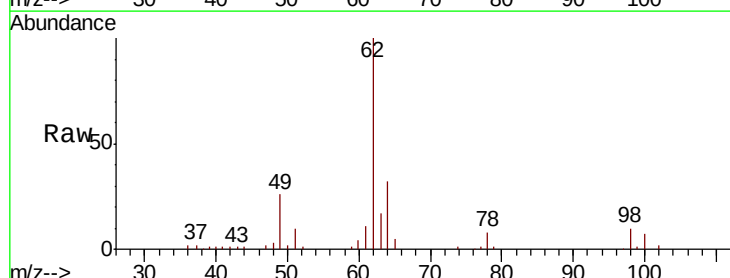
Manual Integrations
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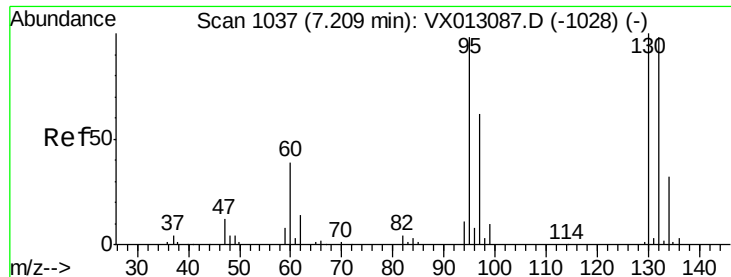
MMDadoda
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#36
1,2-Dichloroethane
Concen: 18.820 ug/l
RT: 6.18 min Scan# 869
Delta R.T. 0.01 min
Lab File: VX013094.D
Acq: 16 Oct 2019 14:14

Tgt Ion:	62	Resp:	55774
Ion	Ratio	Lower	Upper
62	100		
98	10.4	7.8	11.6





#37

Trichloroethene

Concen: 18.919 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. -0.00 min

Lab File: VX013094.D

Acq: 16 Oct 2019 14:14

Instrument :

MSVOA_X

ClientSampleId :

VX1016WBSD01

Tot Ion:130 Resp: 41428

Ion Ratio Lower Upper

130 100

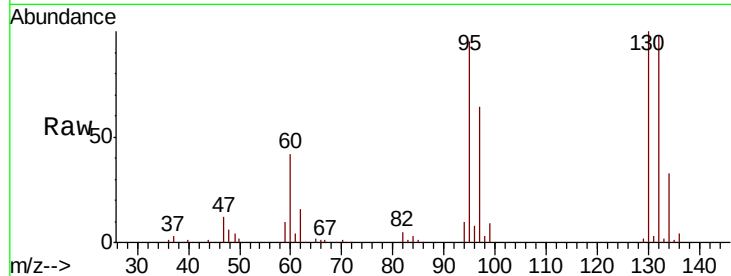
95 95.2 78.4 117.6

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0

20000

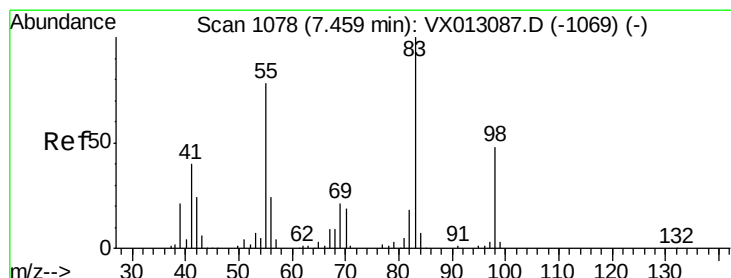
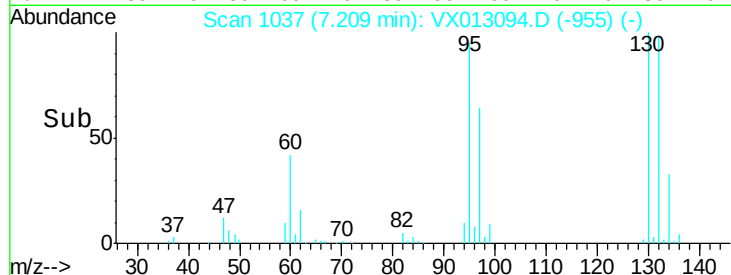
15000

10000

5000

0

Time--> 7.10 7.15 7.20 7.25 7.30



#38

Methylcyclohexane

Concen: 19.083 ug/l

RT: 7.46 min Scan# 1078

Delta R.T. -0.00 min

Lab File: VX013094.D

Acq: 16 Oct 2019 14:14

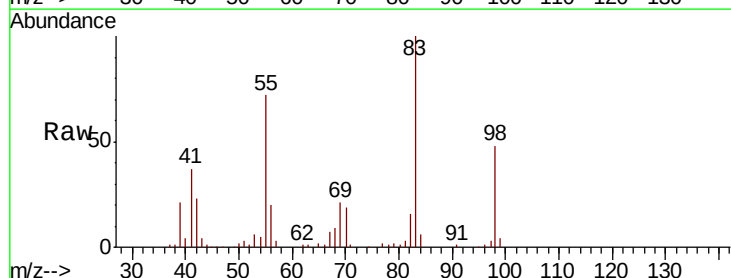
Tgt Ion: 83 Resp: 64483

Ion Ratio Lower Upper

83 100

55 74.5 38.3 114.8

98 48.9 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

40000

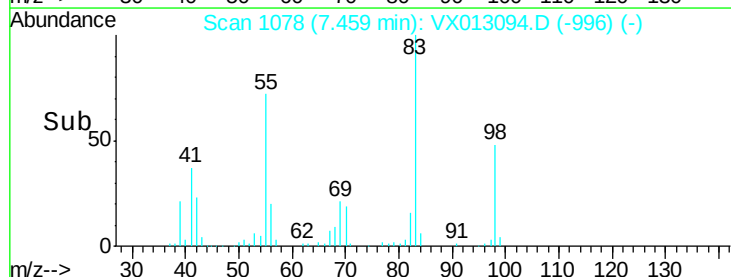
30000

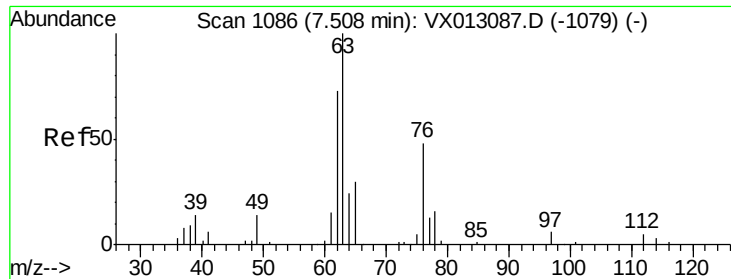
20000

10000

0

Time--> 7.40 7.45 7.50





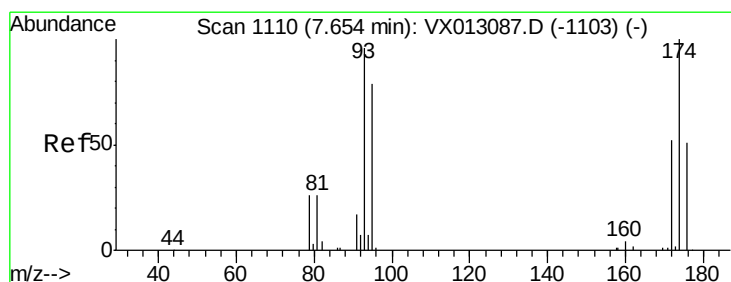
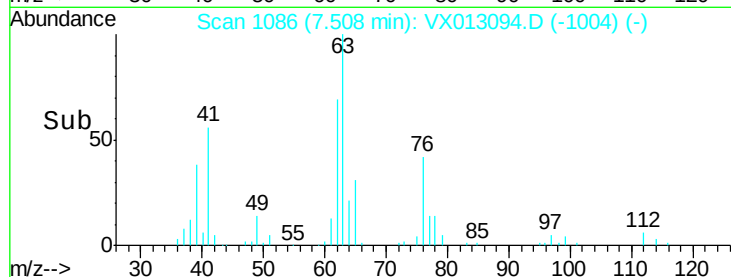
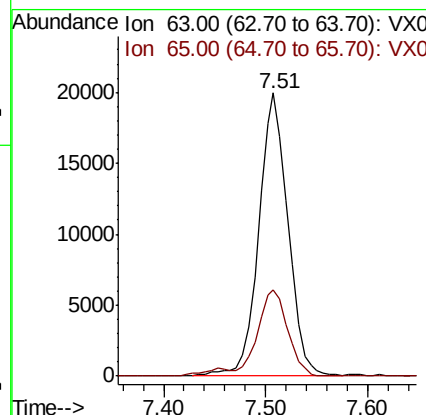
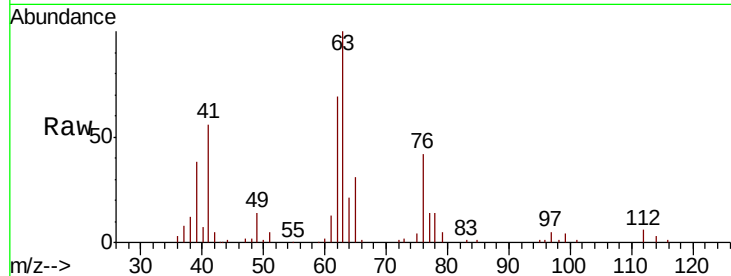
#39
 1,2-Dichloropropane
 Concen: 19.376 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: VX013094.D
 Acq: 16 Oct 2019 14:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1016WBSD01

Tot Ion: 63 Resp: 39884
 Ion Ratio Lower Upper
 63 100
 65 30.6 25.6 38.4

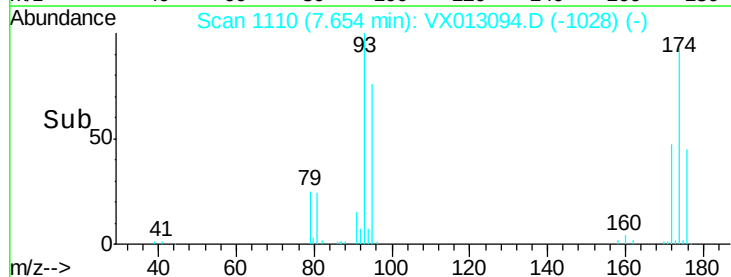
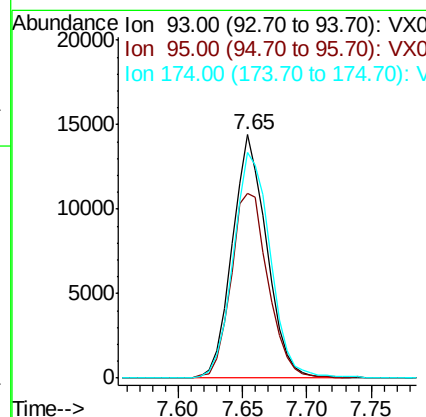
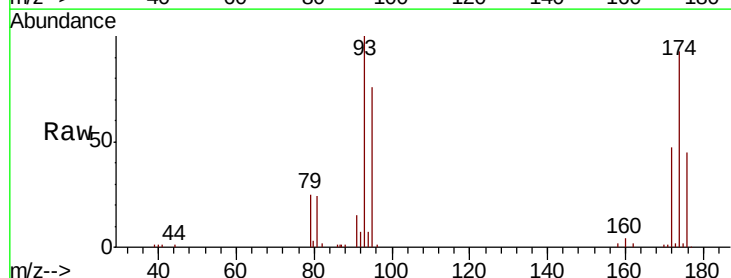
Manual Integrations
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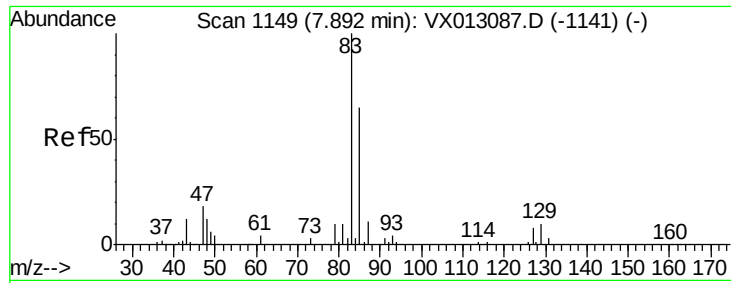
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#40
 Dibromomethane
 Concen: 19.256 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VX013094.D
 Acq: 16 Oct 2019 14:14

Tgt Ion: 93 Resp: 26918
 Ion Ratio Lower Upper
 93 100
 95 81.4 0.0 171.2
 174 99.2 0.0 208.2





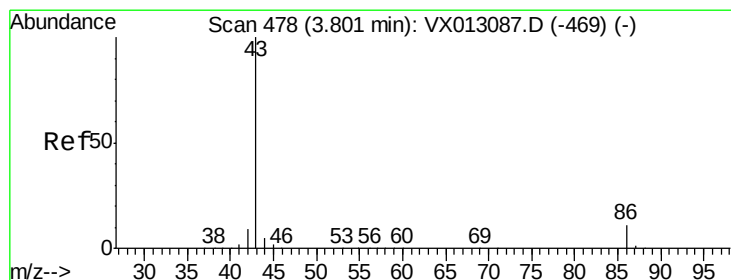
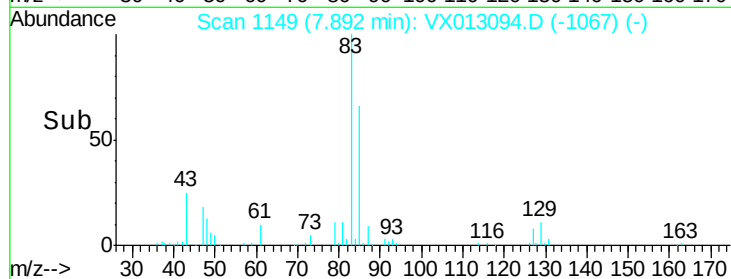
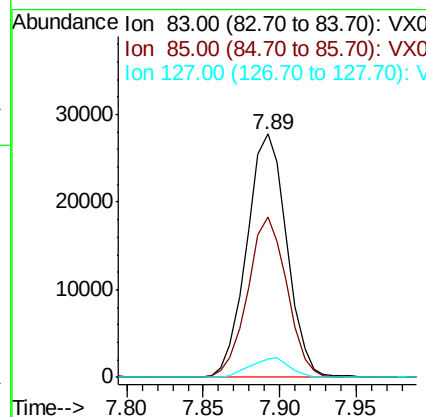
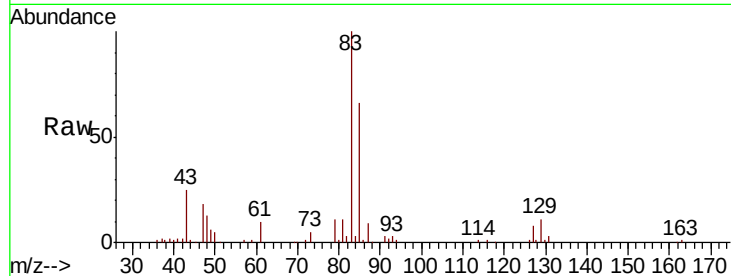
#41
 Bromodichloromethane
 Concen: 18.218 ug/l
 RT: 7.89 min Scan# 1149
 Delta R.T. -0.00 min
 Lab File: VX013094.D
 Acq: 16 Oct 2019 14:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1016WBSD01

Tot Ion	83	Resp	50564
Ion Ratio	100	Lower	Upper
83	100		
85	65.7	51.8	77.8
127	7.8	6.7	10.1

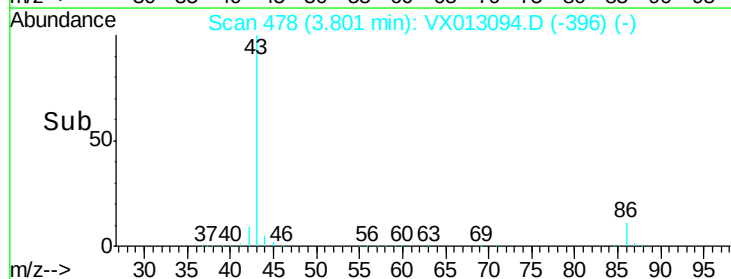
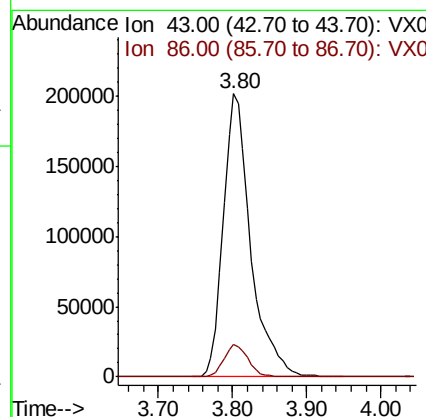
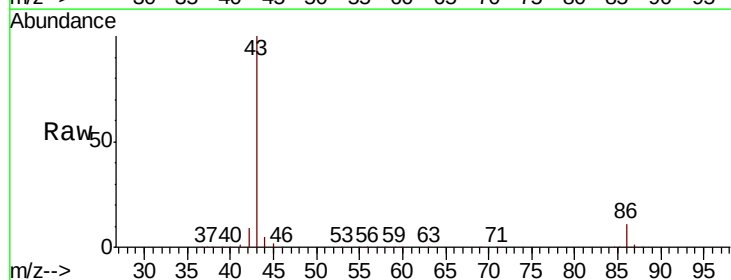
Manual Integrations
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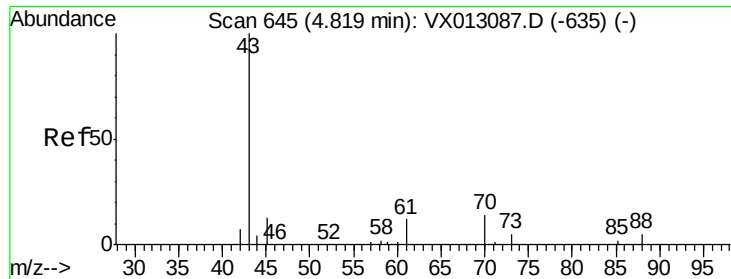
MMDadoda
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#42
 Vinyl Acetate
 Concen: 96.891 ug/l
 RT: 3.80 min Scan# 478
 Delta R.T. -0.00 min
 Lab File: VX013094.D
 Acq: 16 Oct 2019 14:14

Tgt Ion	43	Resp	516005
Ion Ratio	100	Lower	Upper
43	100		
86	10.1	8.2	12.2





#43

Ethyl Acetate

Concen: 19.847 ug/l

RT: 4.82 min Scan# 645

Delta R.T. -0.00 min

Lab File: VX013094.D

Acq: 16 Oct 2019 14:14

Instrument :

MSVOA_X

ClientSampleId :

VX1016WBSD01

Tot Ion: 43 Resp: 58086

Ion Ratio Lower Upper

43 100

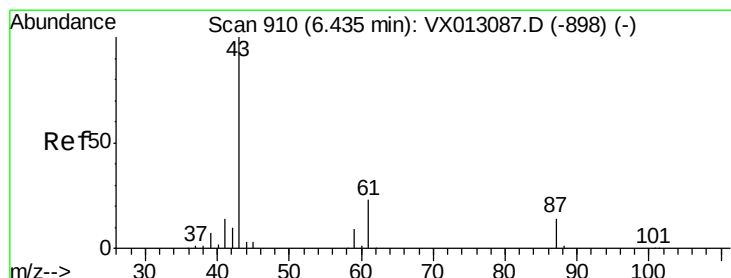
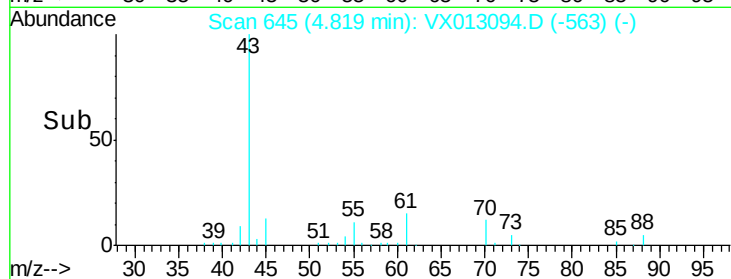
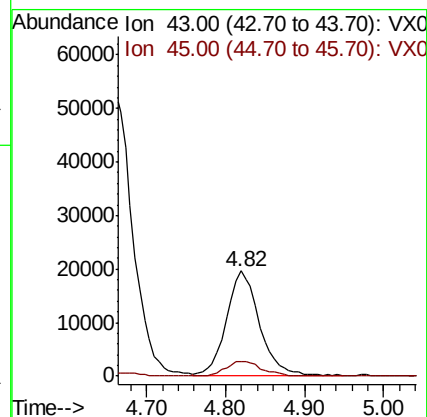
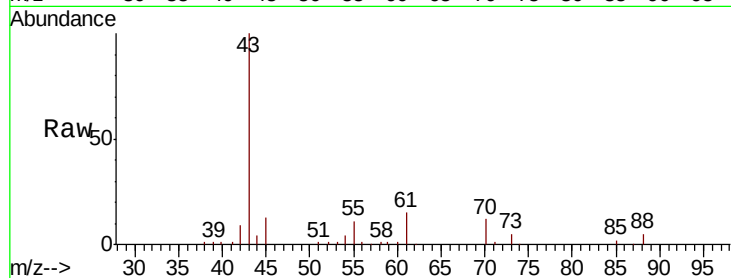
45 15.0 12.8 19.2

Manual Integrations

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#44

Isopropyl Acetate

Concen: 19.034 ug/l

RT: 6.43 min Scan# 910

Delta R.T. -0.00 min

Lab File: VX013094.D

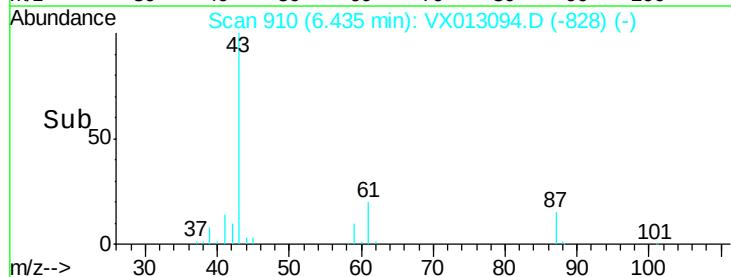
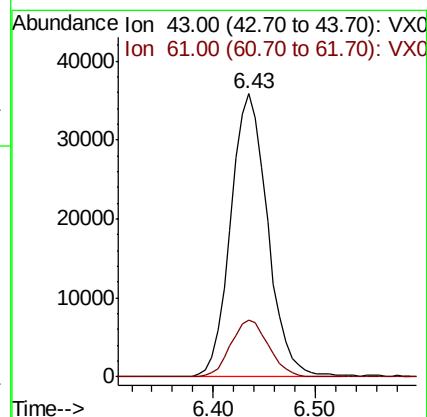
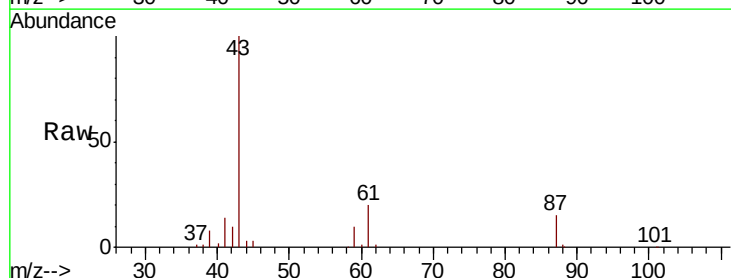
Acq: 16 Oct 2019 14:14

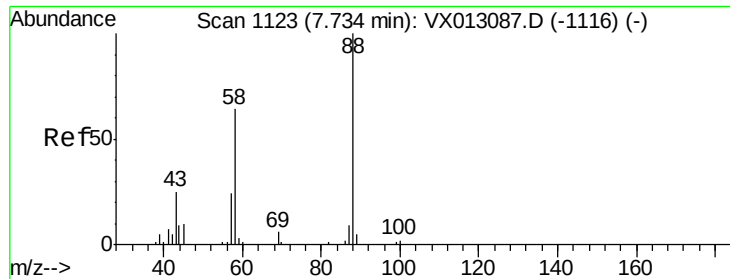
Tgt Ion: 43 Resp: 89834

Ion Ratio Lower Upper

43 100

61 20.8 16.7 25.1





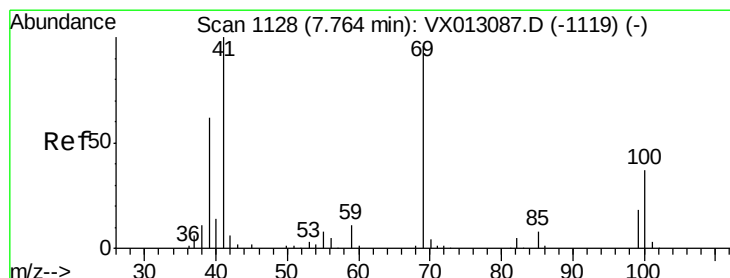
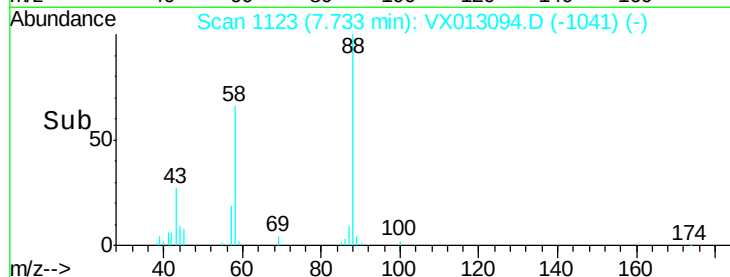
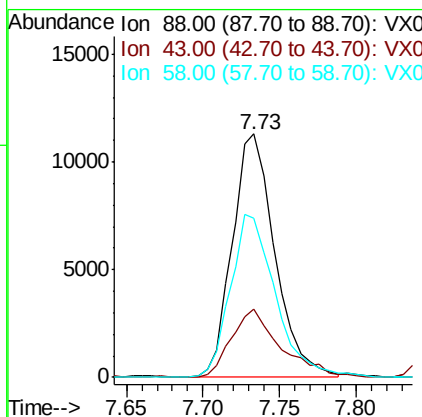
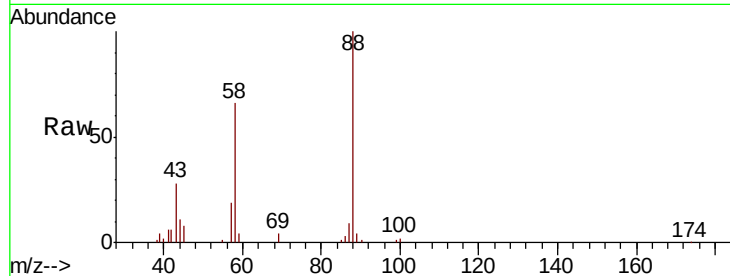
#45
 1,4-Dioxane
 Concen: 377.237 ug/l
 RT: 7.73 min Scan# 1123
 Delta R.T. -0.00 min
 Lab File: VX013094.D
 Acq: 16 Oct 2019 14:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1016WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.3	26.0	39.0
58	71.1	53.0	79.4

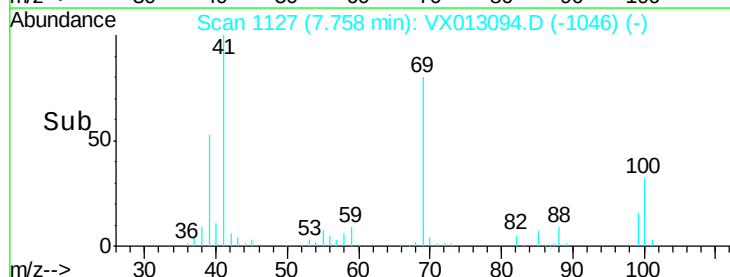
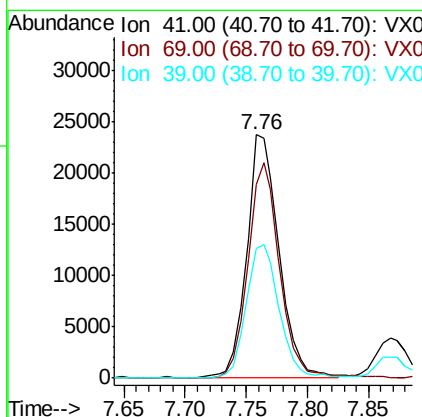
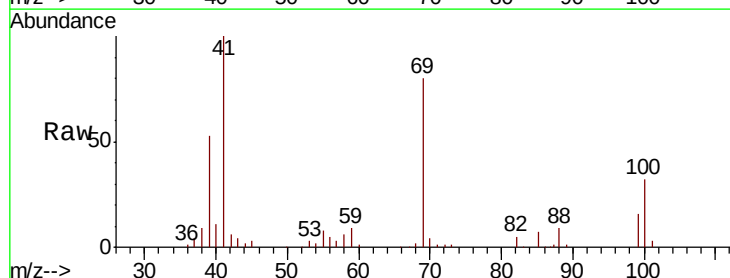
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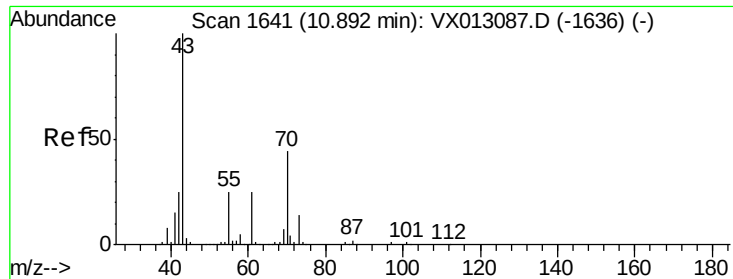
MMDadoda
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#46
 Methyl methacrylate
 Concen: 18.977 ug/l
 RT: 7.76 min Scan# 1127
 Delta R.T. -0.01 min
 Lab File: VX013094.D
 Acq: 16 Oct 2019 14:14

Tgt Ion	Ratio	Lower	Upper
41	100		
69	79.8	48.1	144.3
39	53.4	31.2	93.6





#47

n-amvl Acetate

Concen: 18.244 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX013094.D

Acq: 16 Oct 2019 14:14

Instrument :

MSVOA_X

ClientSampleId :

VX1016WBSD01

Tot Ion: 43 Resp: 73312

Ion Ratio Lower Upper

43 100

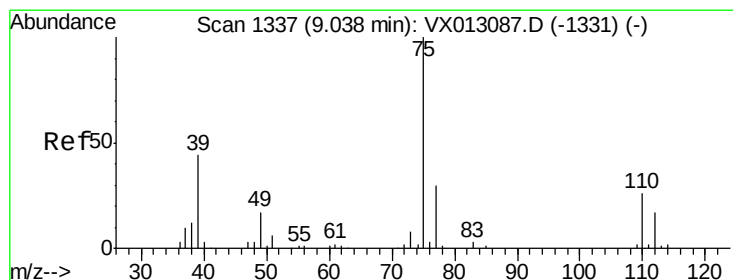
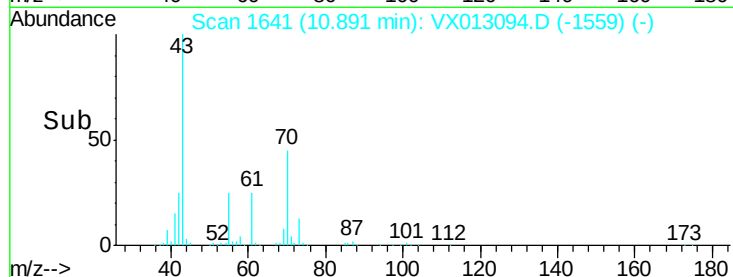
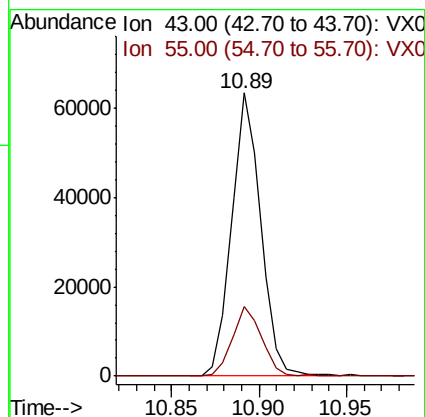
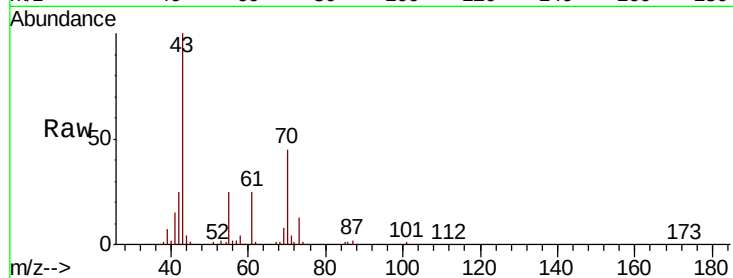
55 24.9 20.6 31.0

Manual Integrations

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#48

t-1,3-Dichloropropene

Concen: 18.232 ug/l

RT: 9.04 min Scan# 1337

Delta R.T. -0.00 min

Lab File: VX013094.D

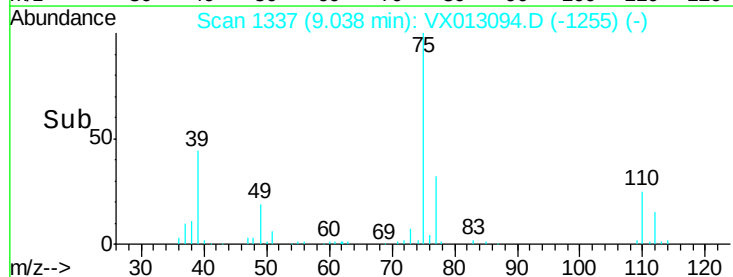
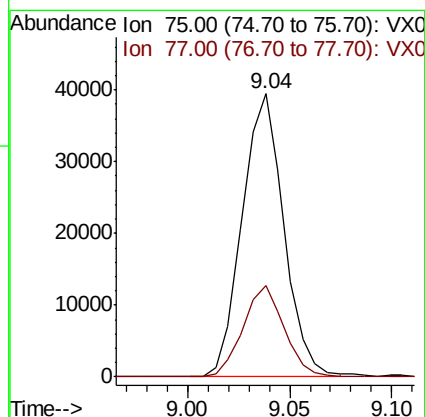
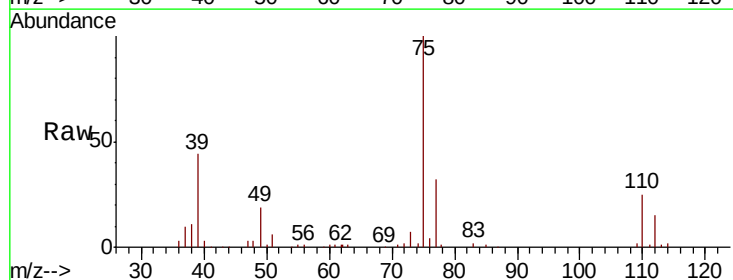
Acq: 16 Oct 2019 14:14

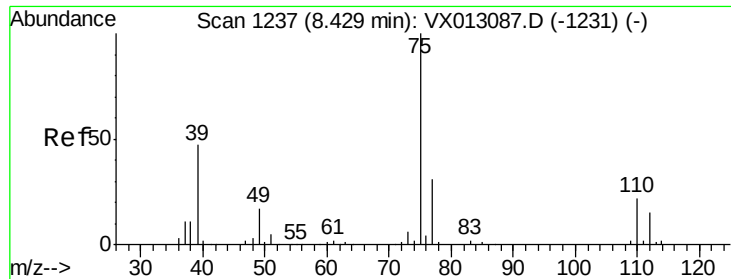
Tgt Ion: 75 Resp: 56006

Ion Ratio Lower Upper

75 100

77 32.1 23.7 35.5





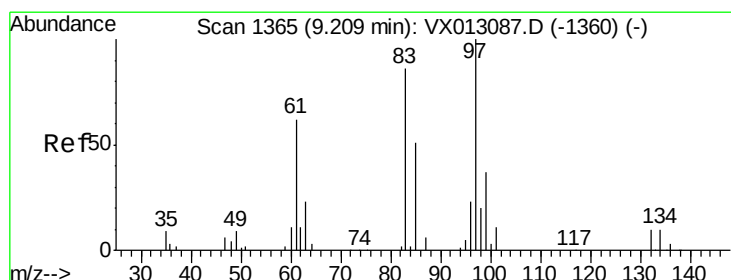
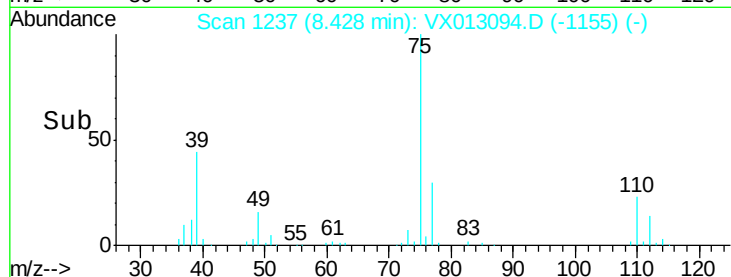
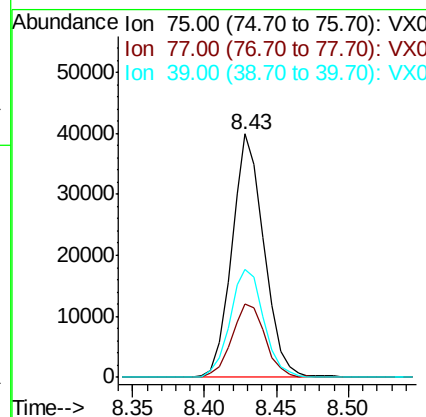
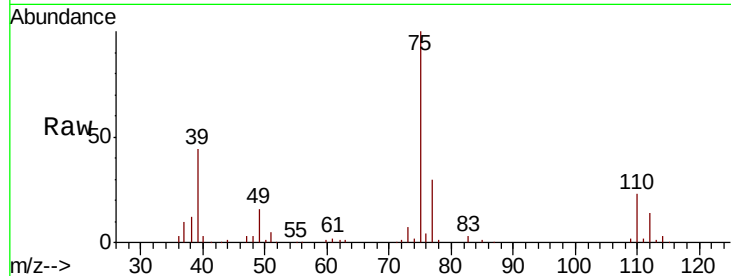
#49
 cis-1,3-Dichloropropene
 Concen: 18.356 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. -0.00 min
 Lab File: VX013094.D
 Acq: 16 Oct 2019 14:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1016WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.2	24.7	37.1
39	44.0	37.4	56.0

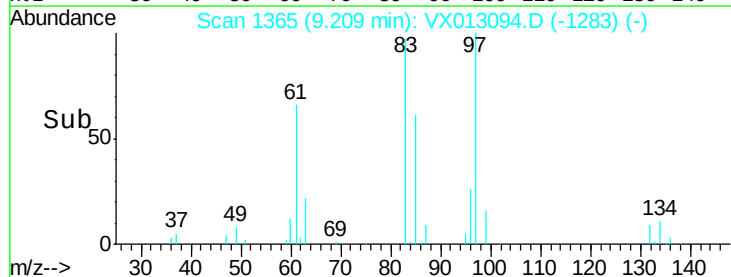
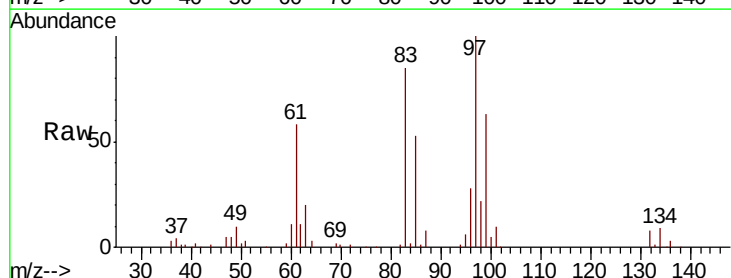
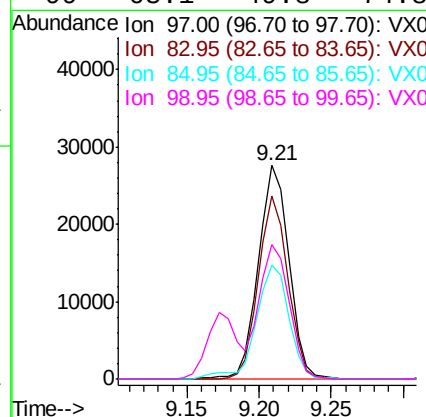
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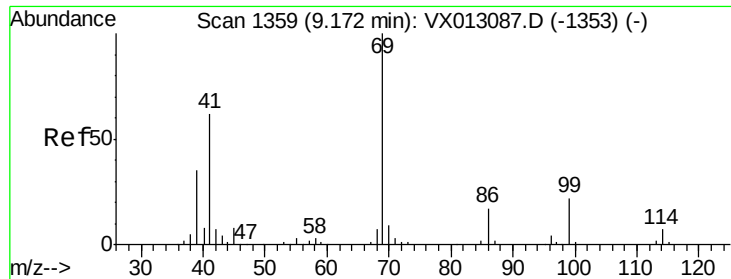
MMDadoda
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#50
 1,1,2-Trichloroethane
 Concen: 19.135 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX013094.D
 Acq: 16 Oct 2019 14:14

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.5	68.1	102.1
85	53.4	42.6	64.0
99	63.1	49.8	74.8





#51

Ethyl methacrylate

Concen: 18.928 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. -0.00 min

Lab File: VX013094.D

Acq: 16 Oct 2019 14:14

Instrument :

MSVOA_X

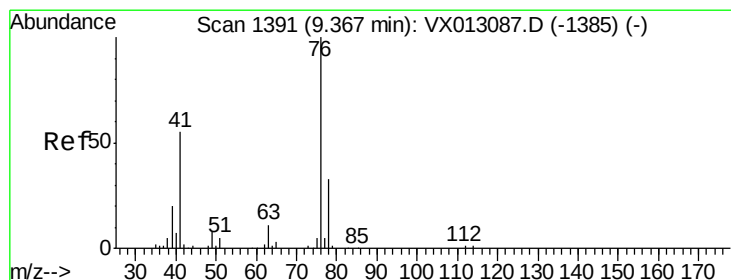
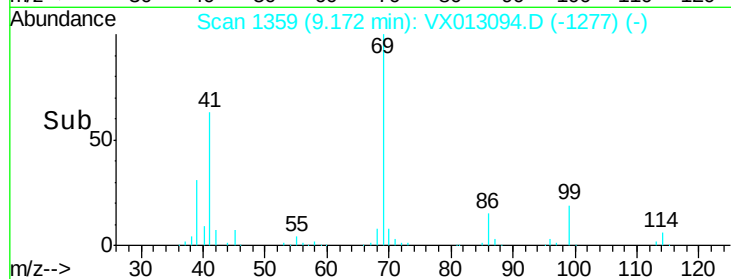
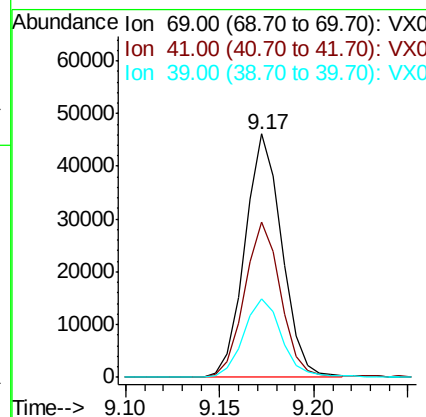
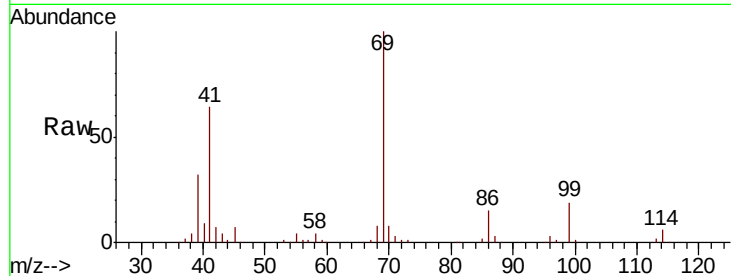
ClientSampleId :

VX1016WBSD01

Tot Ion:	69	Resp:	62805
Ion Ratio	Lower	Upper	
69	100		
41	63.7	31.1	93.3
39	32.2	17.6	52.9

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 18.944 ug/l

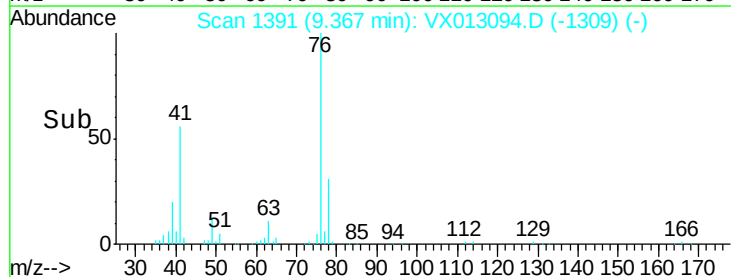
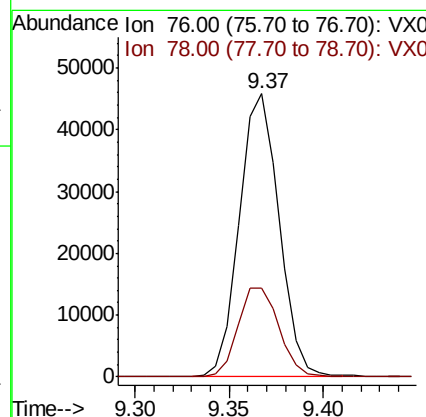
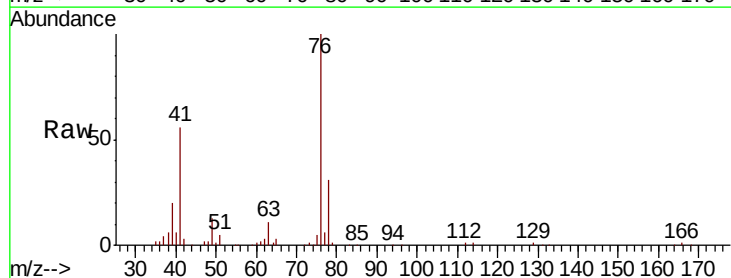
RT: 9.37 min Scan# 1391

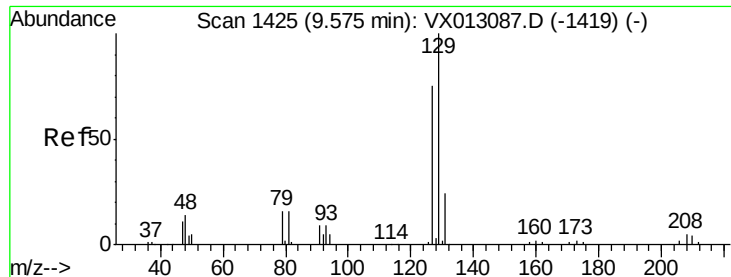
Delta R.T. -0.00 min

Lab File: VX013094.D

Acq: 16 Oct 2019 14:14

Tgt Ion:	76	Resp:	67074
Ion Ratio	Lower	Upper	
76	100		
78	32.6	0.0	64.2





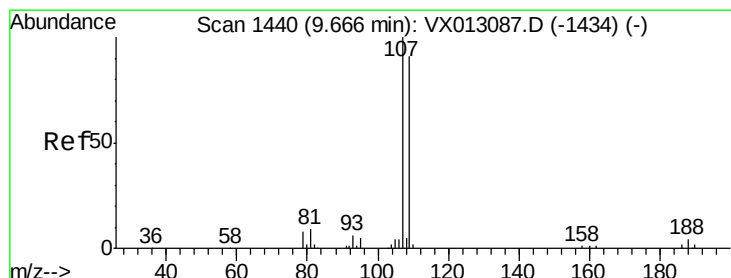
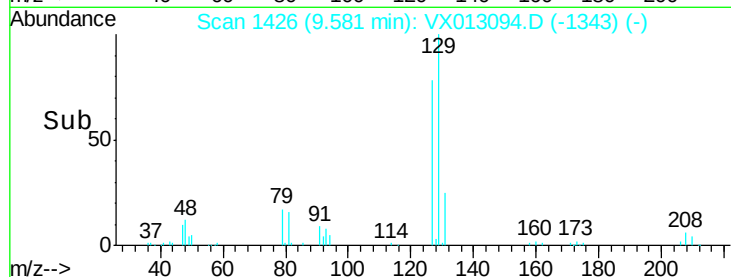
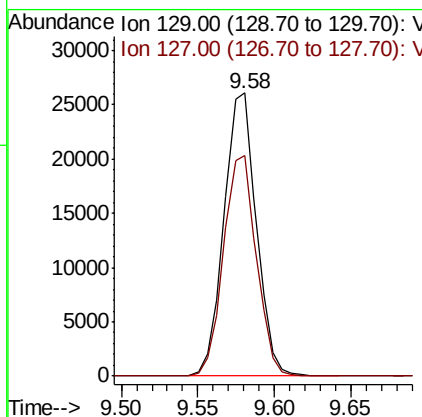
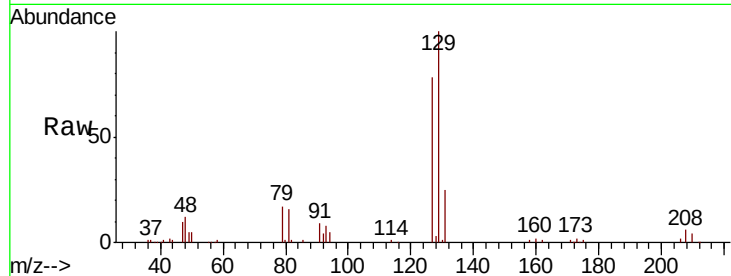
#53
 Dibromochloromethane
 Concen: 17.705 ug/l
 RT: 9.58 min Scan# 1426
 Delta R.T. 0.01 min
 Lab File: VX013094.D
 Acq: 16 Oct 2019 14:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1016WBSD01

Tot Ion:129 Resp: 38358
 Ion Ratio Lower Upper
 129 100
 127 78.8 38.0 113.9

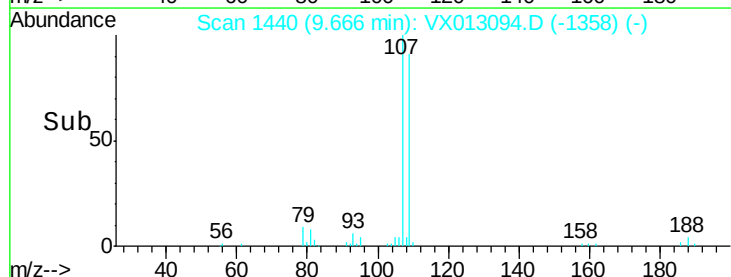
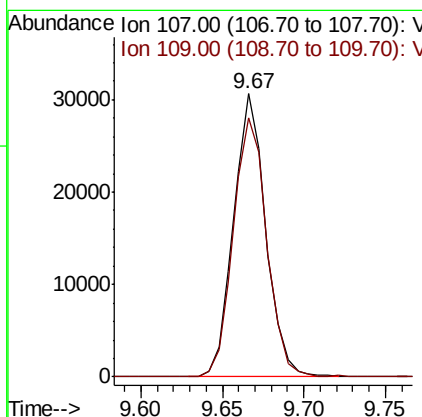
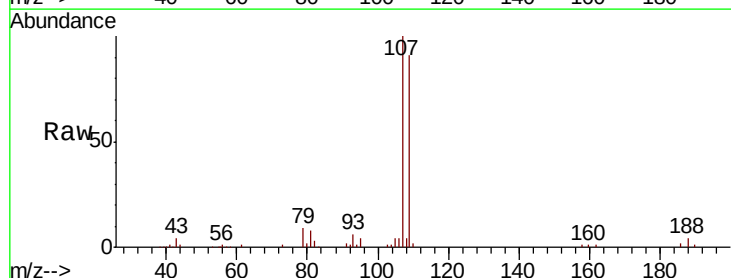
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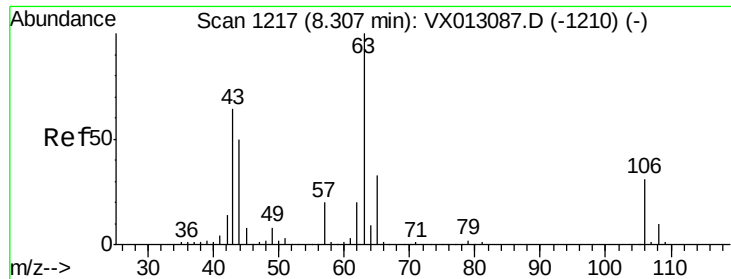
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#54
 1,2-Dibromoethane
 Concen: 18.943 ug/l
 RT: 9.67 min Scan# 1440
 Delta R.T. -0.00 min
 Lab File: VX013094.D
 Acq: 16 Oct 2019 14:14

Tgt Ion:107 Resp: 42035
 Ion Ratio Lower Upper
 107 100
 109 95.1 73.6 110.4





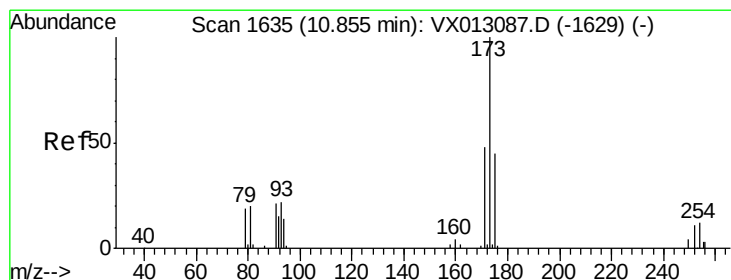
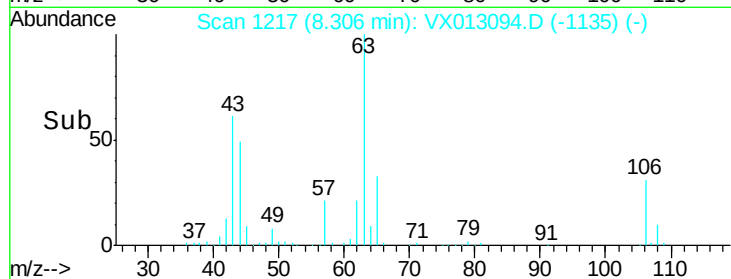
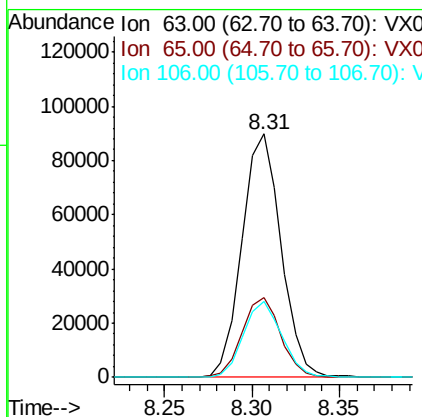
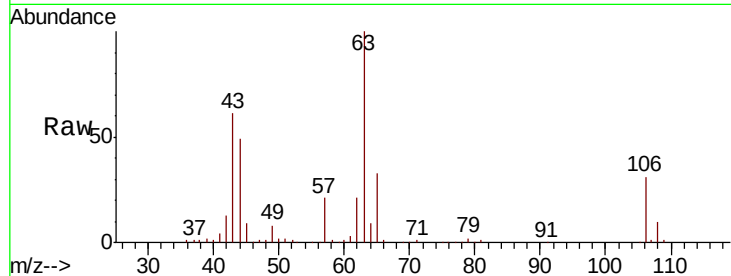
#55
2-Chloroethyl vinyl ether
Concen: 95.616 ug/l
RT: 8.31 min Scan# 1217
Delta R.T. -0.00 min
Lab File: VX013094.D
Acq: 16 Oct 2019 14:14

Instrument :
MSVOA_X
ClientSampleId :
VX1016WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.5	25.9	38.9
106	30.9	24.3	36.5

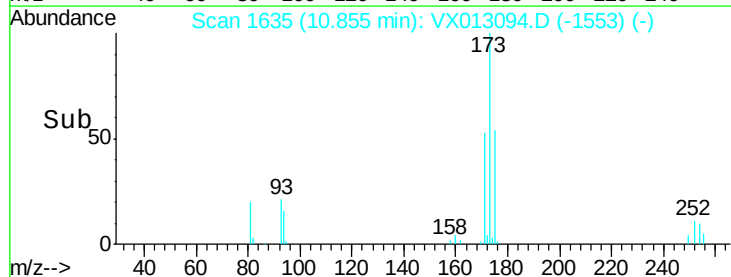
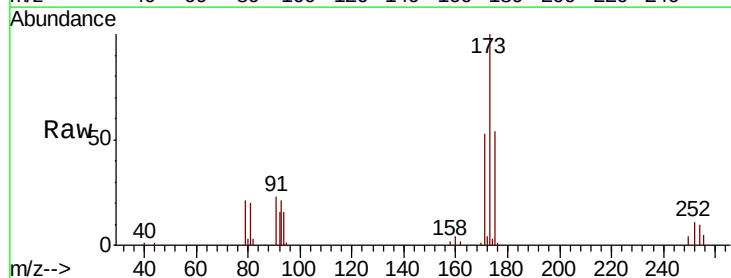
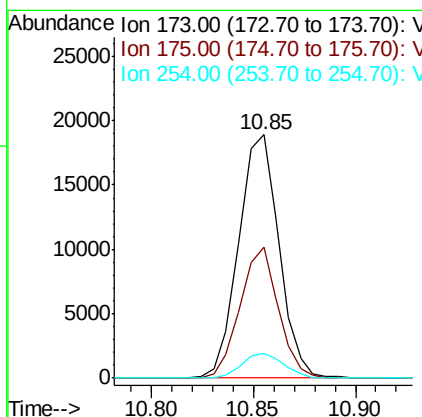
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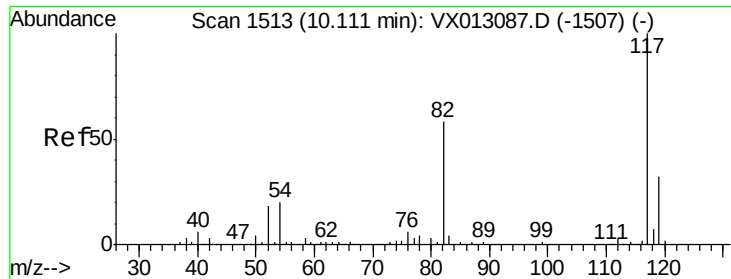
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#56
Bromoform
Concen: 17.212 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. -0.00 min
Lab File: VX013094.D
Acq: 16 Oct 2019 14:14

Tgt Ion	Ratio	Lower	Upper
173	100		
175	51.2	37.8	56.8
254	10.7	7.9	11.9





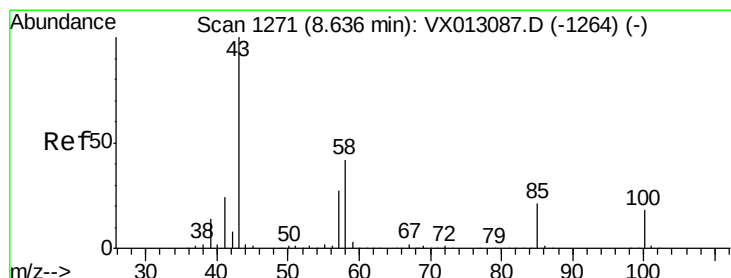
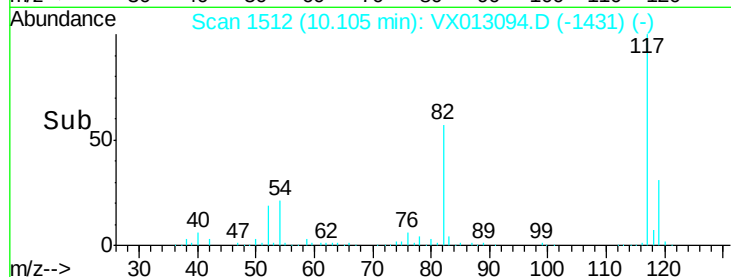
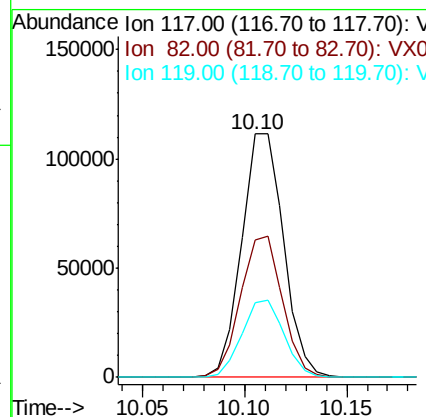
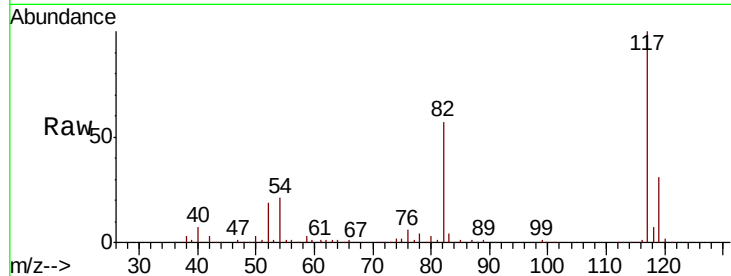
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX013094.D
Acq: 16 Oct 2019 14:14

Instrument :
MSVOA_X
ClientSampleId :
VX1016WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.7	46.7	70.1
119	31.9	25.8	38.6

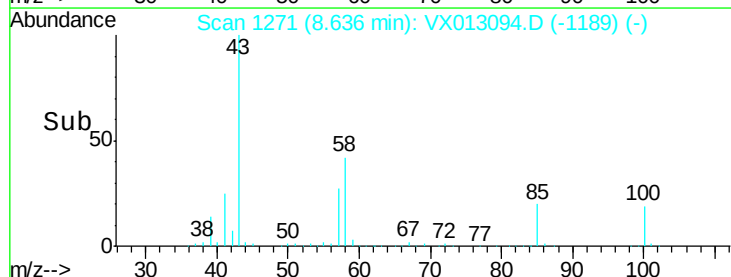
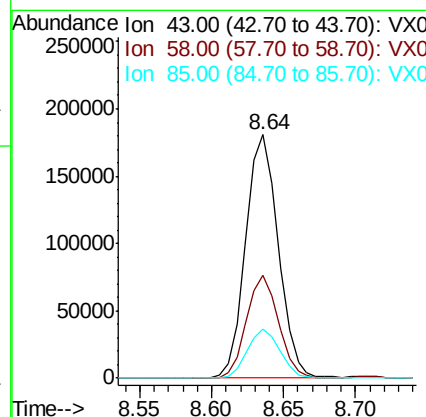
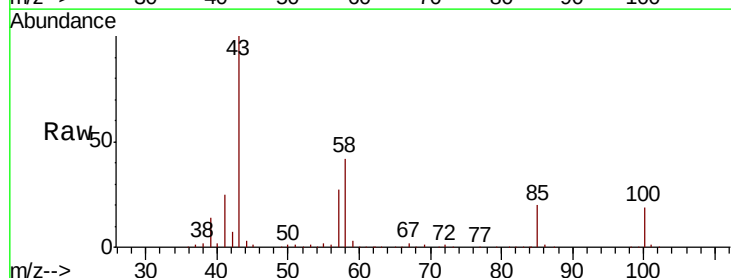
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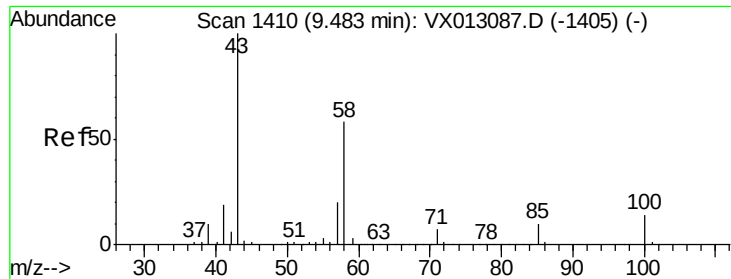
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#58
4-Methyl-2-Pentanone
Concen: 97.621 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VX013094.D
Acq: 16 Oct 2019 14:14

Tgt Ion	Ratio	Lower	Upper
43	100		
58	41.6	33.0	49.4
85	20.1	16.0	24.0





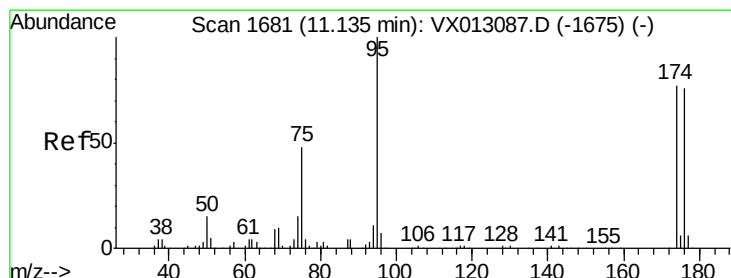
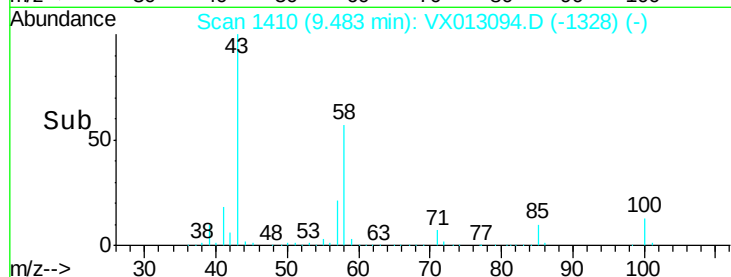
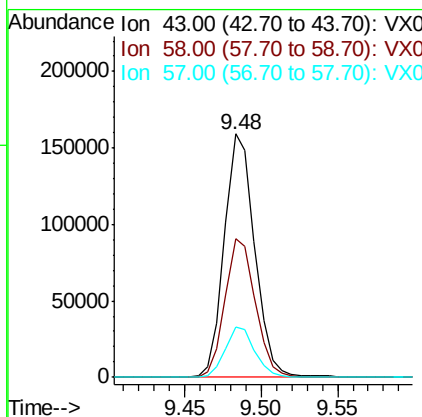
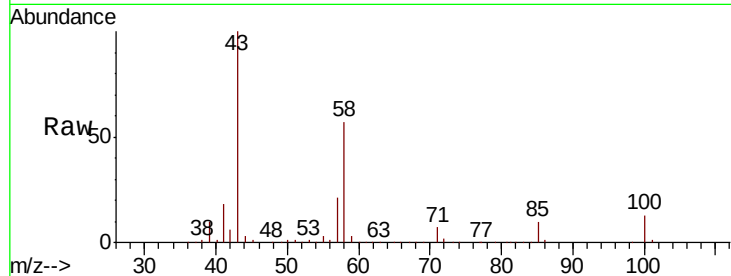
#59
2-Hexanone
Concen: 96.751 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX013094.D
Acq: 16 Oct 2019 14:14

Instrument :
MSVOA_X
ClientSampleId :
VX1016WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.5	45.4	68.2
57	20.3	16.2	24.2

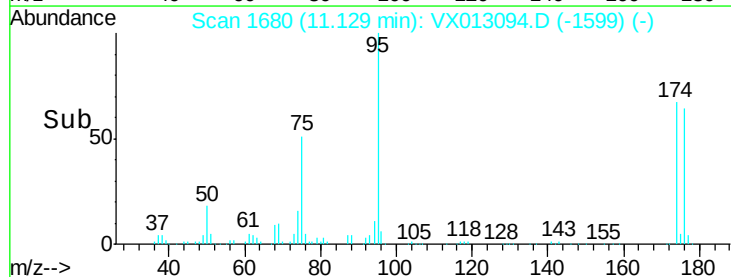
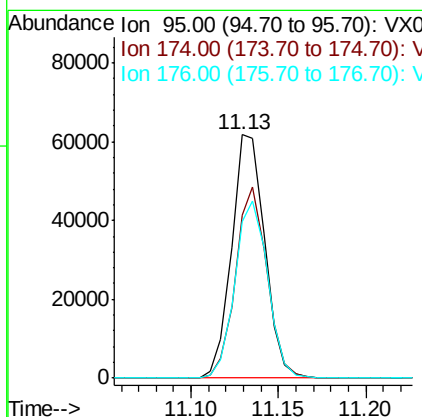
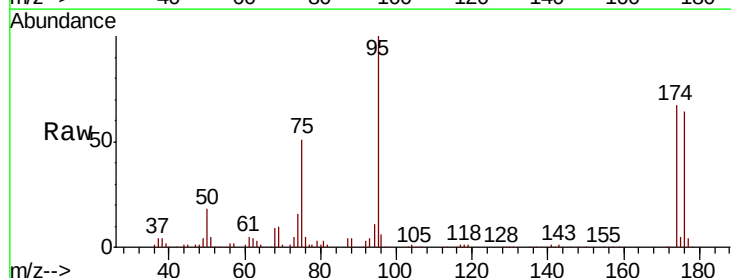
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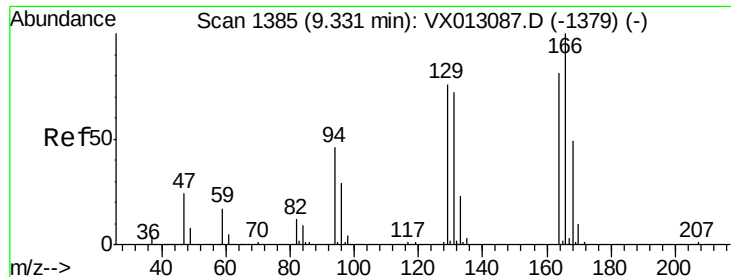
MMDadoda
10/18/2019 4:52:13 PM



#60
4-Bromofluorobenzene
Concen: 29.123 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX013094.D
Acq: 16 Oct 2019 14:14

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.4	58.8	88.2
176	72.4	56.6	84.8





#61

Tetrachloroethene

Concen: 19.608 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VX013094.D

Acq: 16 Oct 2019 14:14

Instrument :

MSVOA_X

ClientSampleId :

VX1016WBSD01

Tot Ion:164 Resp: 39877

Ion Ratio Lower Upper

164 100

166 127.8 98.4 147.6

129 97.2 75.2 112.8

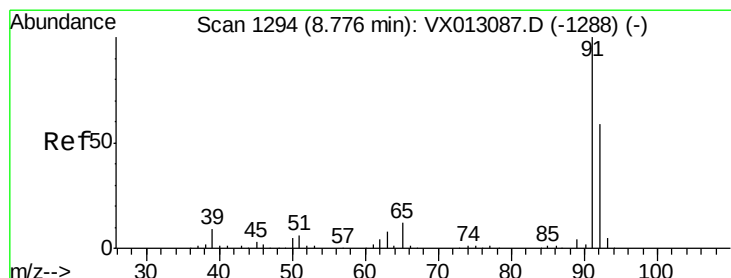
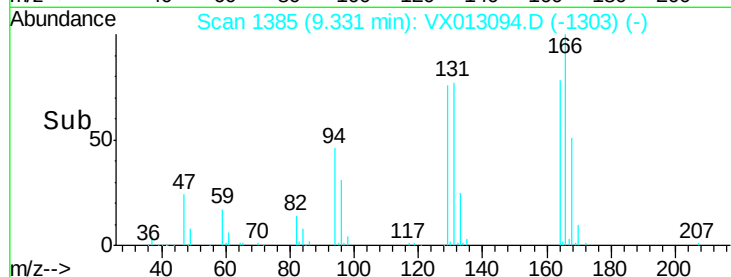
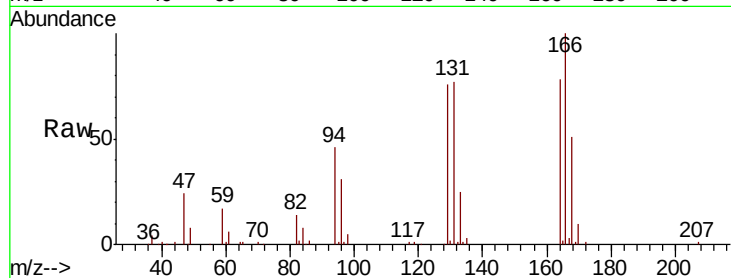
131 98.4 70.4 105.6

Manual Integrations

APPROVED

MMDadoda

10/18/2019 4:52:13 PM



#62

Toluene

Concen: 19.186 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.01 min

Lab File: VX013094.D

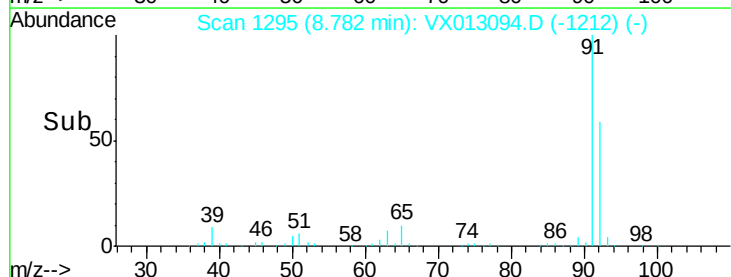
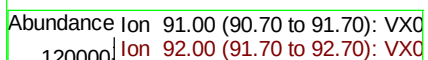
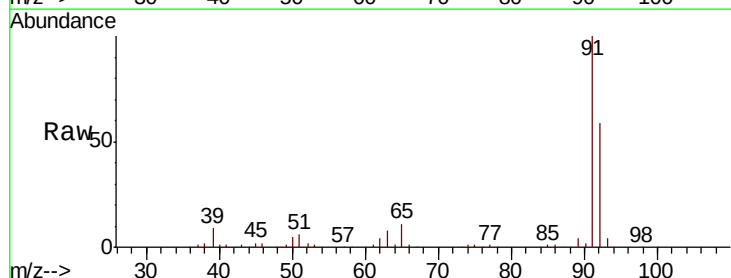
Acq: 16 Oct 2019 14:14

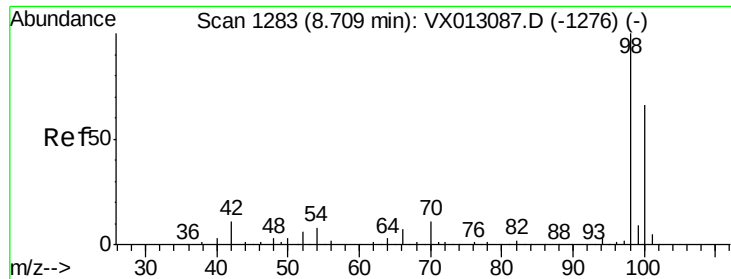
Tgt Ion: 91 Resp: 166435

Ion Ratio Lower Upper

91 100

92 59.8 47.6 71.4





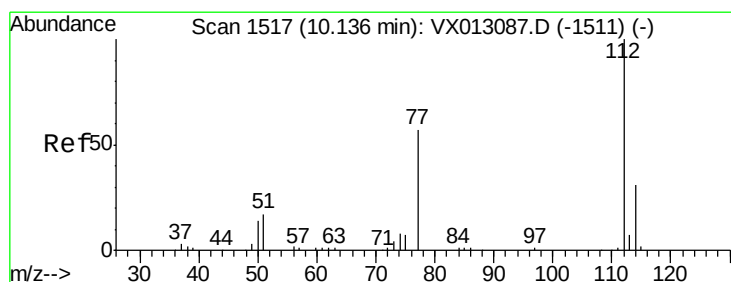
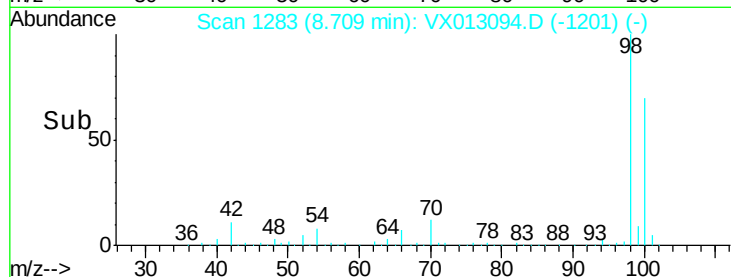
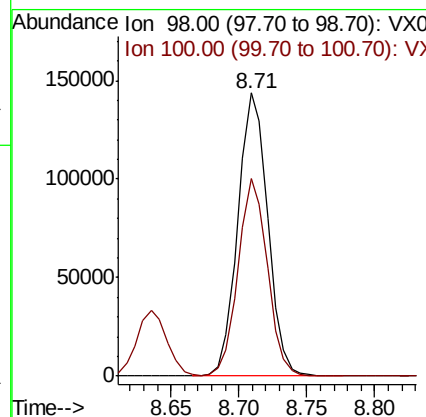
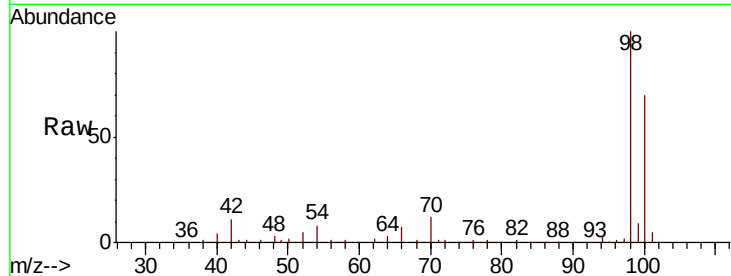
#63
Toluene-d8
Concen: 30.319 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013094.D
Acq: 16 Oct 2019 14:14

Instrument :
MSVOA_X
ClientSampleId :
VX1016WBSD01

Tot Ion: 98 Resp: 220797
Ion Ratio Lower Upper
98 100
100 67.7 53.8 80.6

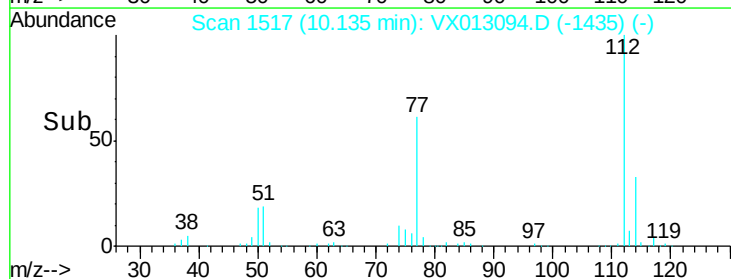
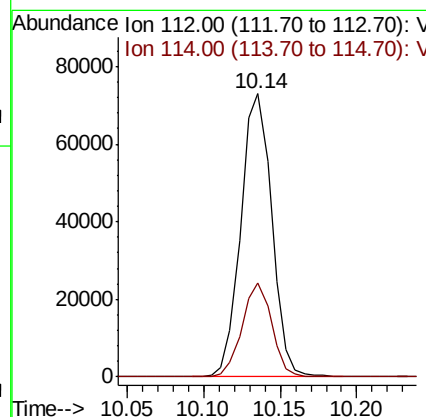
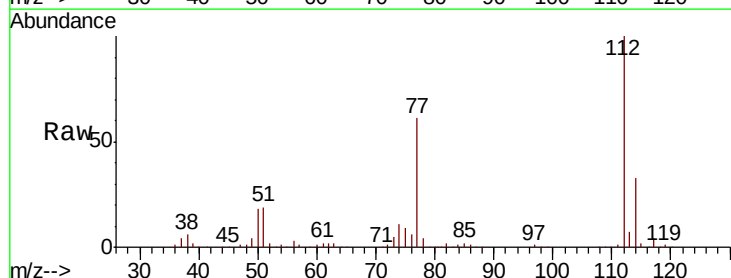
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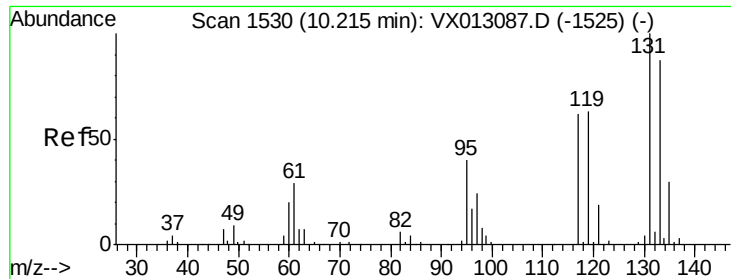
MMDadoda
10/18/2019 4:52:13 PM



#64
Chlorobenzene
Concen: 18.622 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX013094.D
Acq: 16 Oct 2019 14:14

Tgt Ion: 112 Resp: 102666
Ion Ratio Lower Upper
112 100
114 33.4 25.2 37.8





#65

1,1,1,2-Tetrachloroethane

Concen: 19.046 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VX013094.D

Acq: 16 Oct 2019 14:14

Instrument :

MSVOA_X

ClientSampleId :

VX1016WBSD01

Tot Ion:131 Resp: 38568

Ion Ratio Lower Upper

131 100

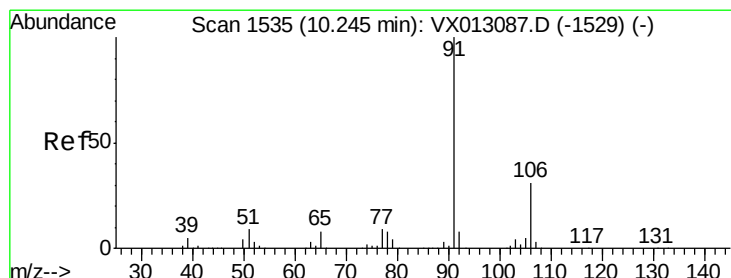
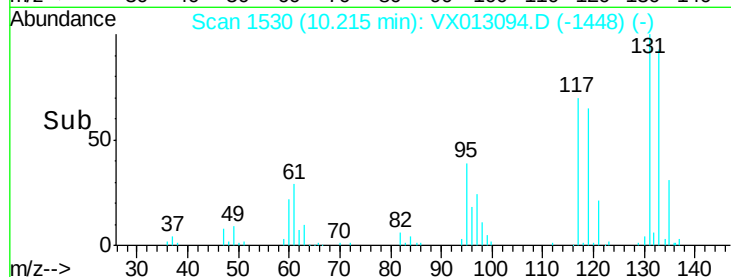
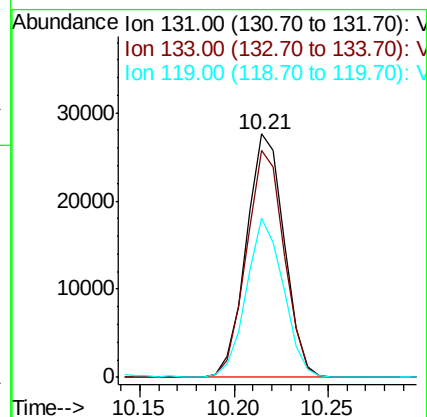
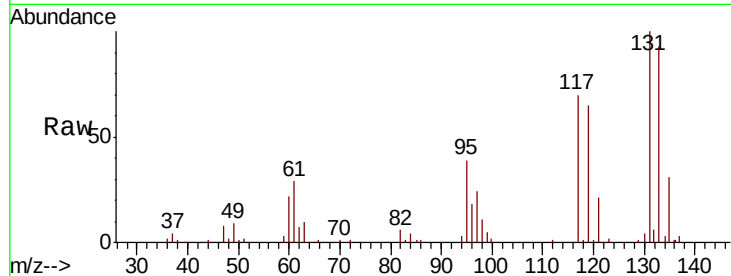
133 92.9 0.0 187.8

119 63.5 0.0 128.4

Manual Integrations
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#66

Ethyl Benzene

Concen: 18.958 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VX013094.D

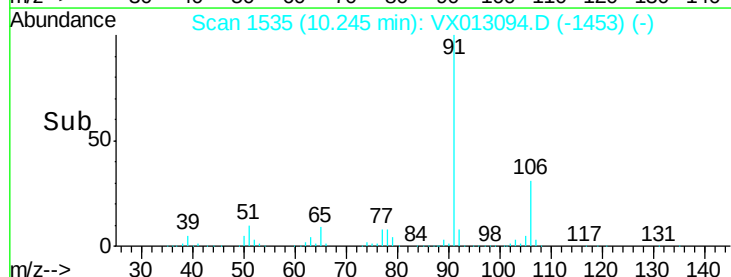
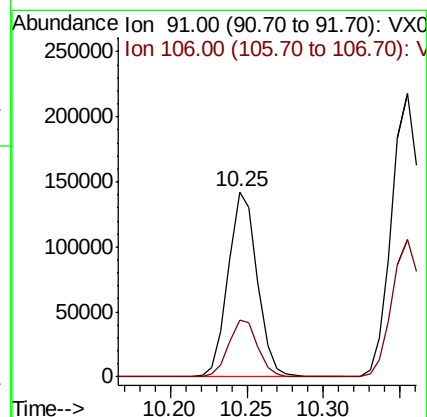
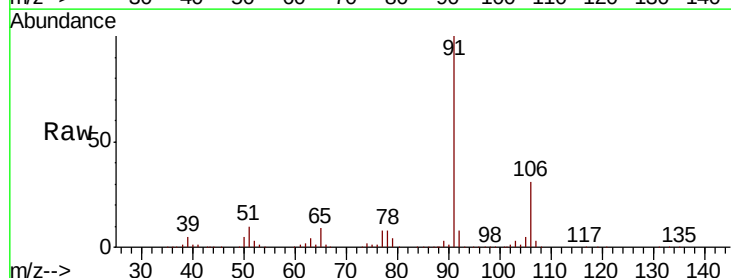
Acq: 16 Oct 2019 14:14

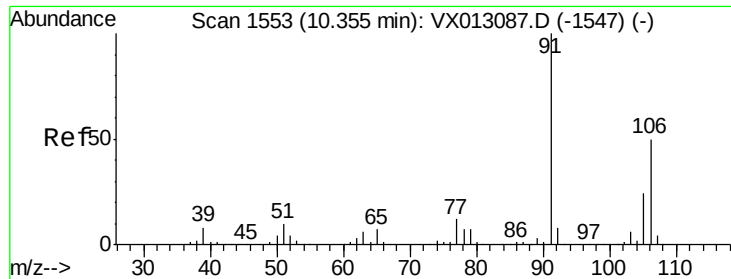
Tgt Ion: 91 Resp: 187708

Ion Ratio Lower Upper

91 100

106 30.8 25.0 37.4





#67

m/p-Xylenes

Concen: 37.583 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VX013094.D

Acq: 16 Oct 2019 14:14

Instrument :

MSVOA_X

ClientSampleId :

VX1016WBSD01

Tot Ion:106 Resp: 139997

Ion Ratio Lower Upper

106 100

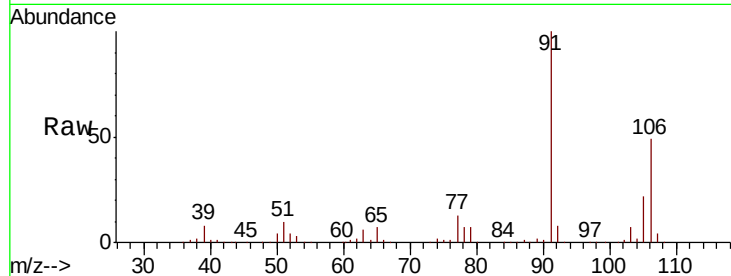
91 209.0 162.6 243.8

Manual Integrations

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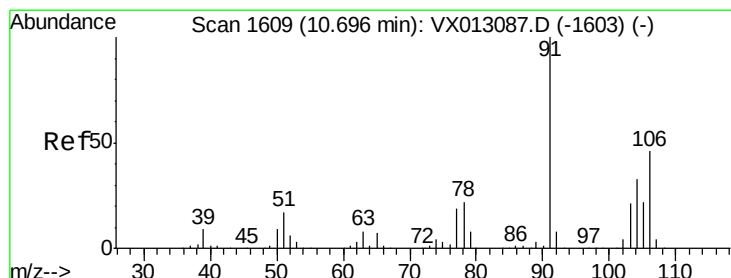
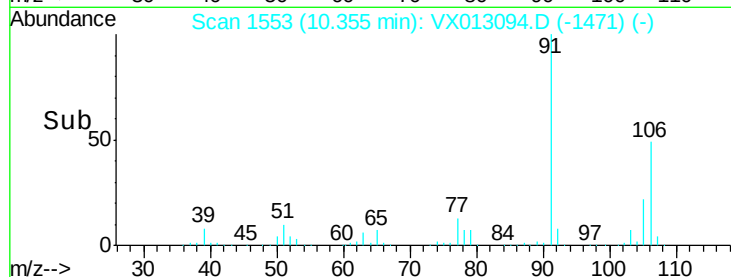
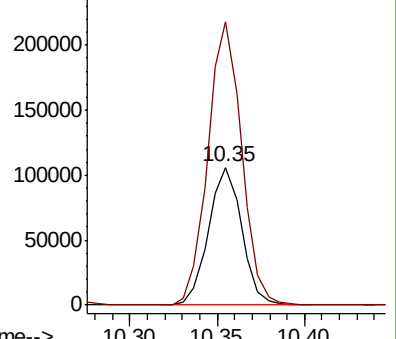
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 19.228 ug/l

RT: 10.70 min Scan# 1609

Delta R.T. -0.00 min

Lab File: VX013094.D

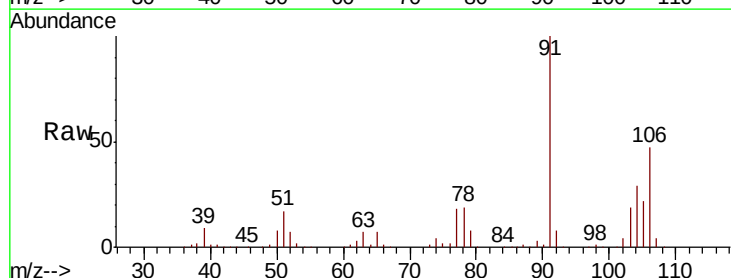
Acq: 16 Oct 2019 14:14

Tgt Ion:106 Resp: 69746

Ion Ratio Lower Upper

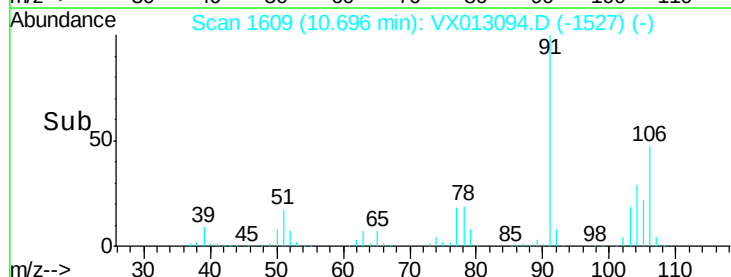
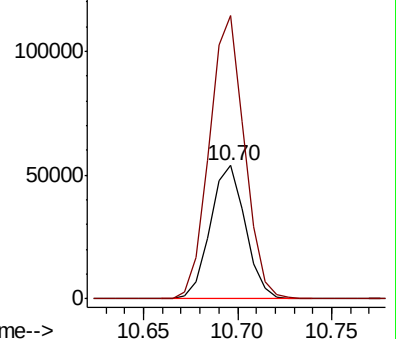
106 100

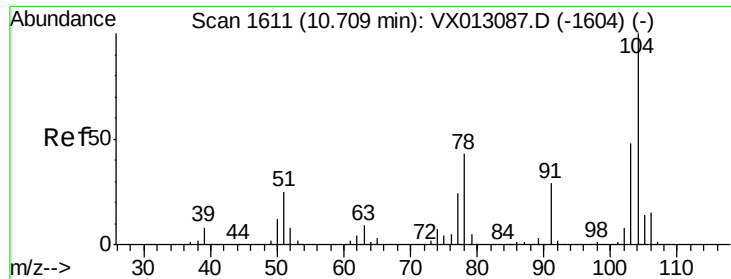
91 211.3 109.1 327.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





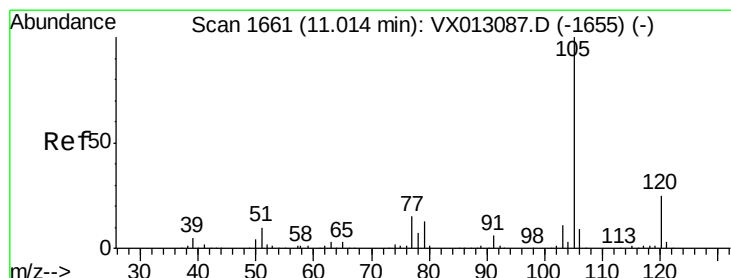
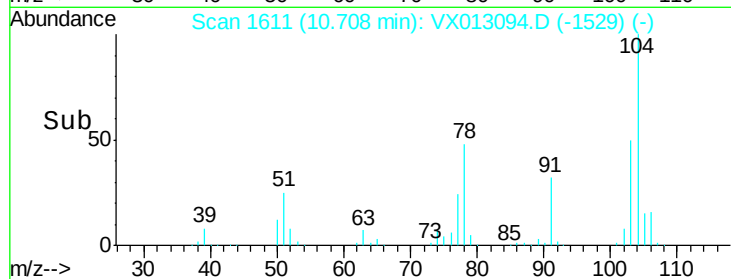
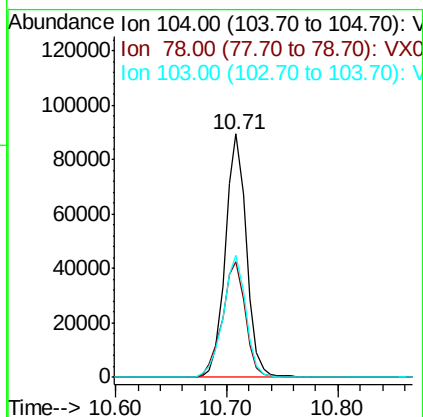
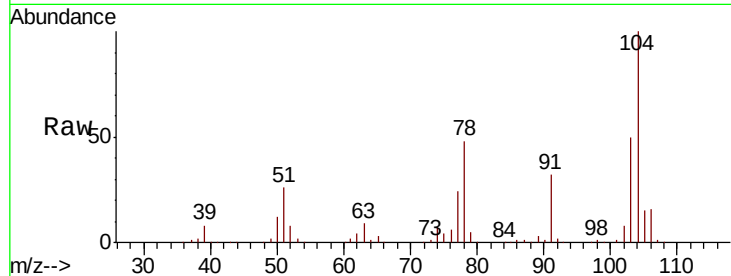
#69
Stvrene
Concen: 18.717 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX013094.D
Acq: 16 Oct 2019 14:14

Instrument :
MSVOA_X
ClientSampleId :
VX1016WBSD01

Tot Ion	Ratio	Lower	Upper
104	100		
78	52.1	41.0	61.4
103	53.9	42.8	64.2

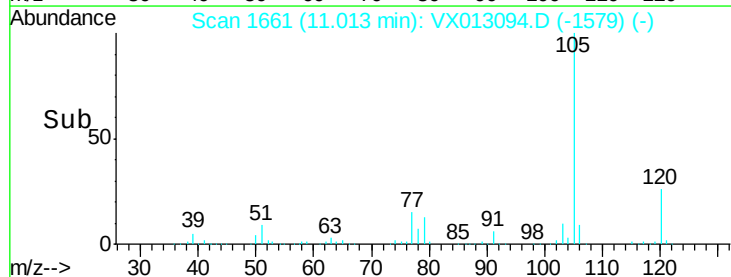
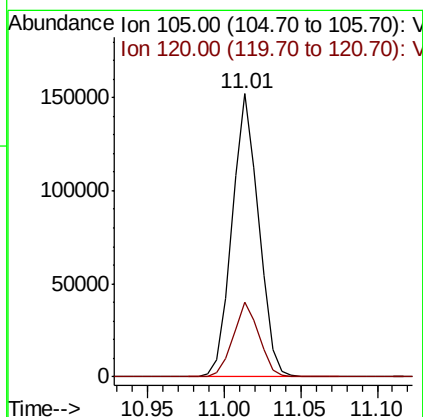
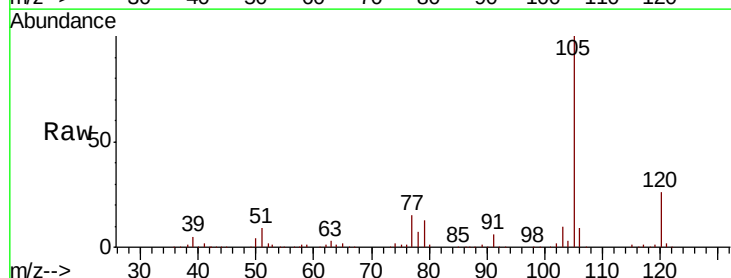
Manual Integrations
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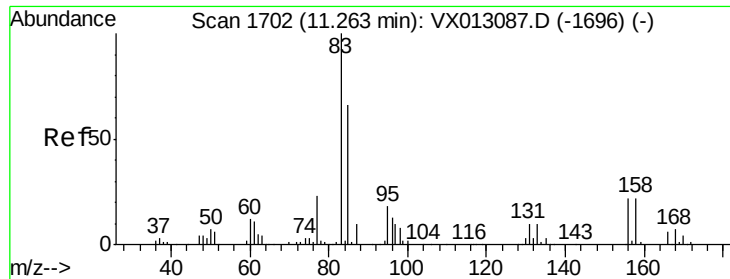
MMDadoda
10/18/2019 4:52:13 PM



#70
Isopropylbenzene
Concen: 18.885 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX013094.D
Acq: 16 Oct 2019 14:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.8	17.9	33.3





#71

1,1,2,2-Tetrachloroethane

Concen: 18.973 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX013094.D

Acq: 16 Oct 2019 14:14

Instrument :

MSVOA_X

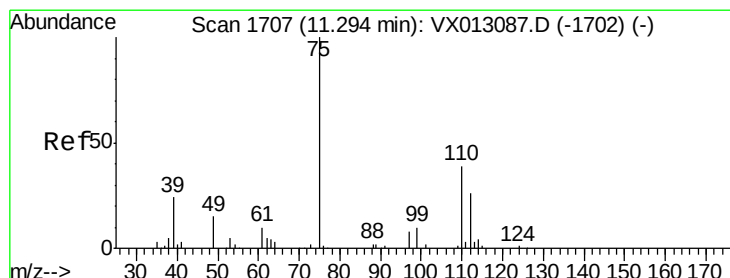
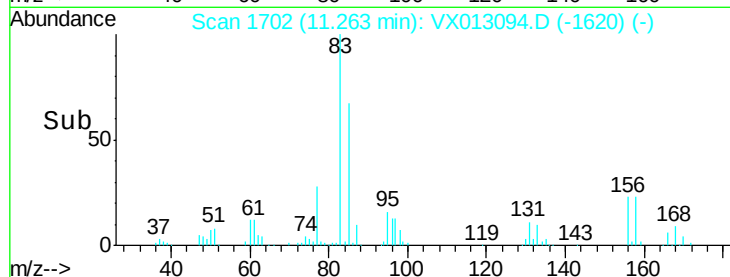
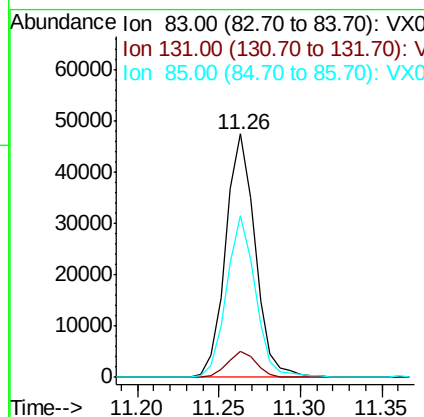
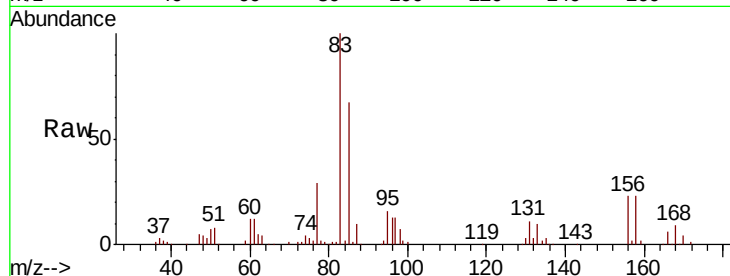
ClientSampleId :

VX1016WBSD01

Tot Ion:	83	Resp:	59820
Ion Ratio	Lower	Upper	
83	100		
131	10.5	4.9	14.6
85	64.9	31.9	95.9

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#72

1,2,3-Trichloropropane

Concen: 19.131 ug/l m

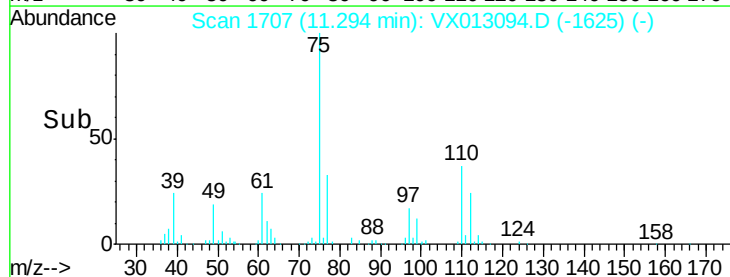
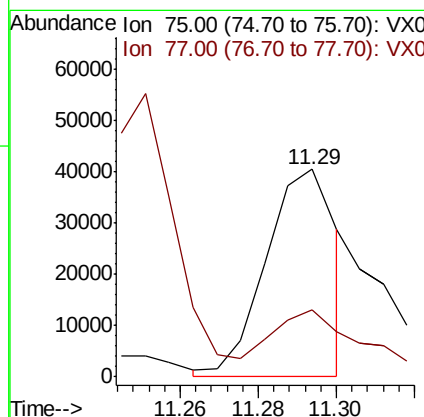
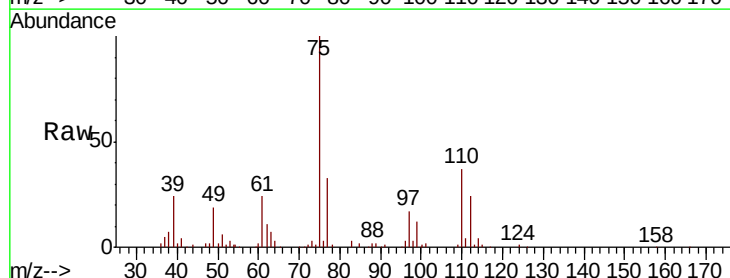
RT: 11.29 min Scan# 1707

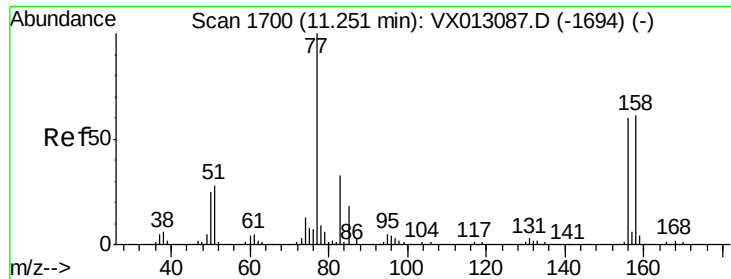
Delta R.T. -0.00 min

Lab File: VX013094.D

Acq: 16 Oct 2019 14:14

Tgt Ion:	75	Resp:	50154
Ion Ratio	Lower	Upper	
75	100		
77	42.3	0.0	87.8





#73

Bromobenzene

Concen: 18.798 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX013094.D

Acq: 16 Oct 2019 14:14

Instrument :

MSVOA_X

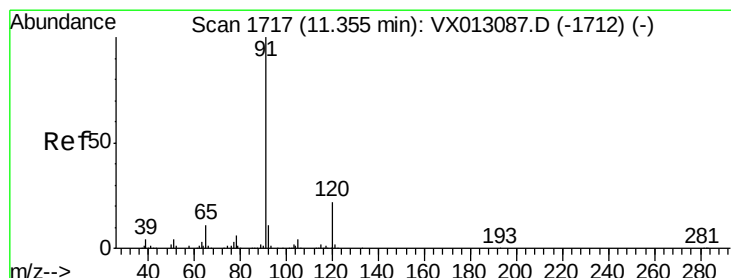
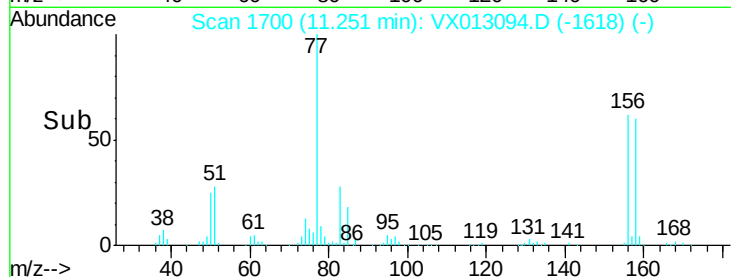
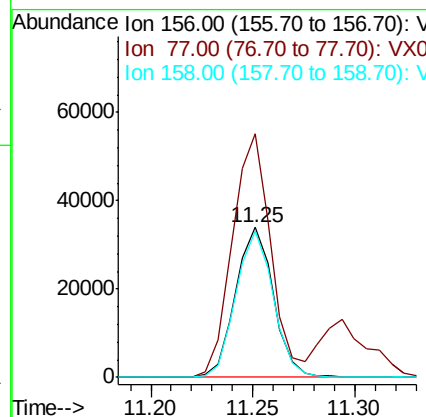
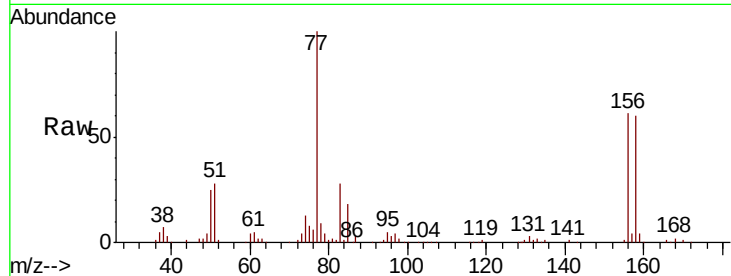
ClientSampleId :

VX1016WBSD01

Tot Ion:	156	Resp:	43435
Ion	Ratio	Lower	Upper
156	100		
77	165.3	0.0	344.0
158	96.8	0.0	195.6

Manual Integrations
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#74

n-propylbenzene

Concen: 18.774 ug/l

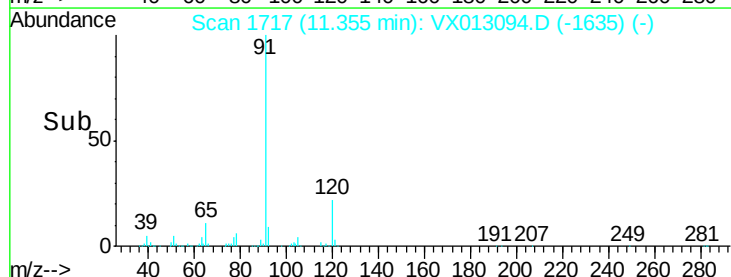
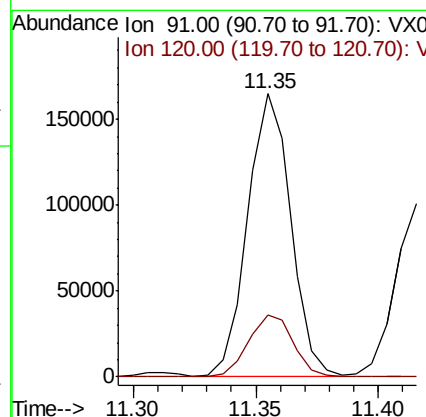
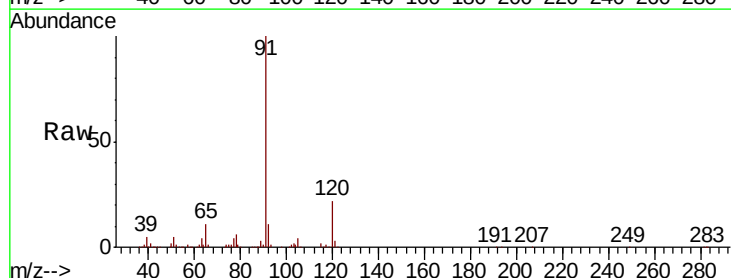
RT: 11.35 min Scan# 1717

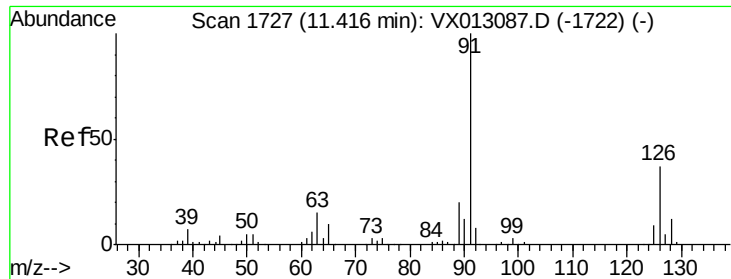
Delta R.T. -0.00 min

Lab File: VX013094.D

Acq: 16 Oct 2019 14:14

Tgt Ion:	91	Resp:	203165
Ion	Ratio	Lower	Upper
91	100		
120	22.4	0.0	45.0





#75

2-Chlorotoluene

Concen: 19.221 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX013094.D

Acq: 16 Oct 2019 14:14

Instrument :

MSVOA_X

ClientSampleId :

VX1016WBSD01

Tot Ion: 91 Resp: 127424

Ion Ratio Lower Upper

91 100

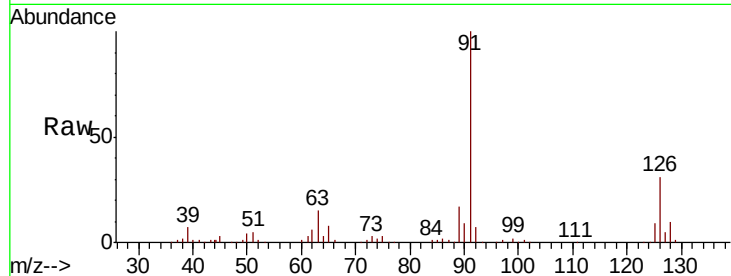
126 32.4 0.0 66.0

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX013087.D (-1722) (-)

Ion 126.00 (125.70 to 126.70): VX013087.D (-1722) (-)

150000

100000

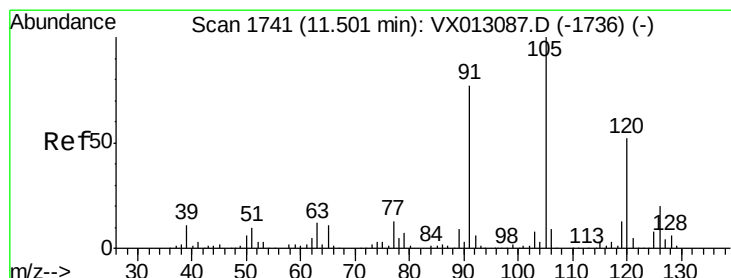
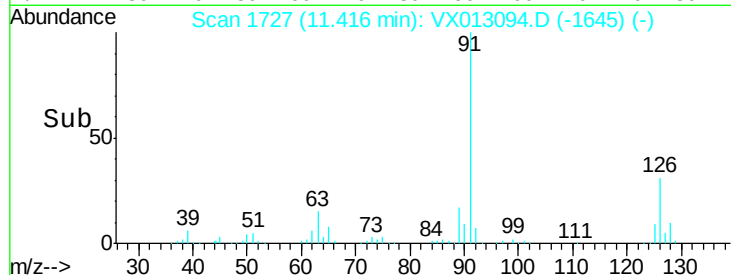
50000

0

11.42

11.45

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 18.948 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX013094.D

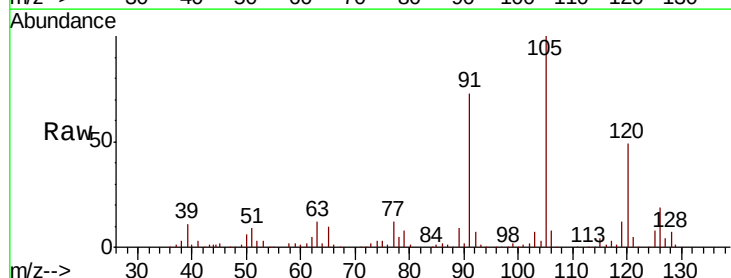
Acq: 16 Oct 2019 14:14

Tgt Ion: 105 Resp: 156209

Ion Ratio Lower Upper

105 100

120 49.1 0.0 96.6



Abundance Ion 105.00 (104.70 to 105.70): VX013087.D (-1736) (-)

Ion 120.00 (119.70 to 120.70): VX013087.D (-1736) (-)

150000

100000

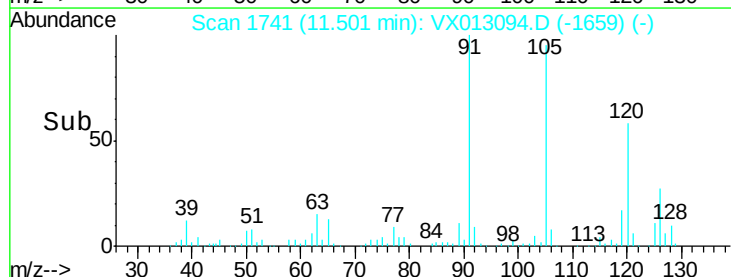
50000

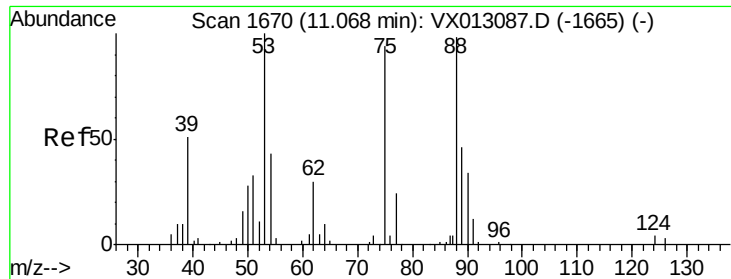
0

11.50

11.55

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 18.023 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VX013094.D

Acq: 16 Oct 2019 14:14

Instrument :

MSVOA_X

ClientSampleId :

VX1016WBSD01

Tot Ion: 75 Resp: 18286

Ion Ratio Lower Upper

75 100

53 99.0 53.1 159.4

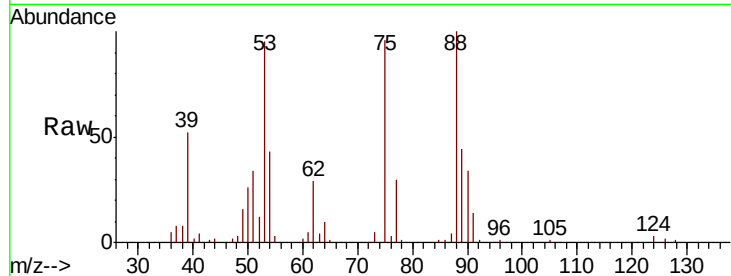
89 45.9 24.6 73.8

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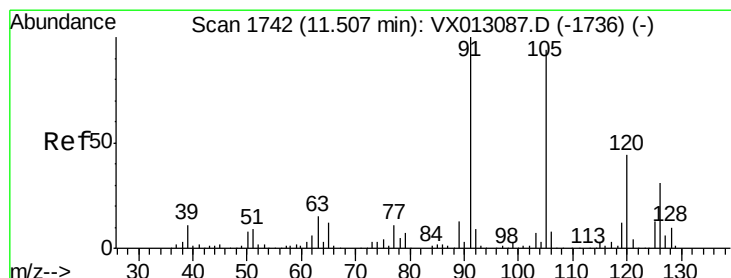
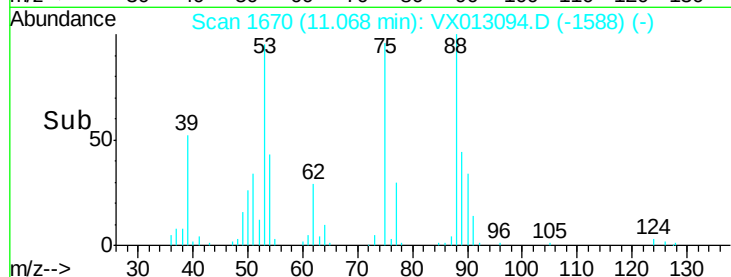
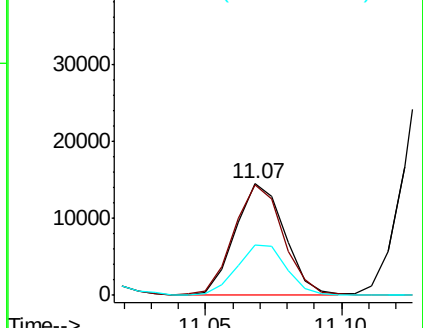
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Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 89.00 (88.70 to 89.70): VX0



#78

4-Chlorotoluene

Concen: 18.641 ug/l

RT: 11.51 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX013094.D

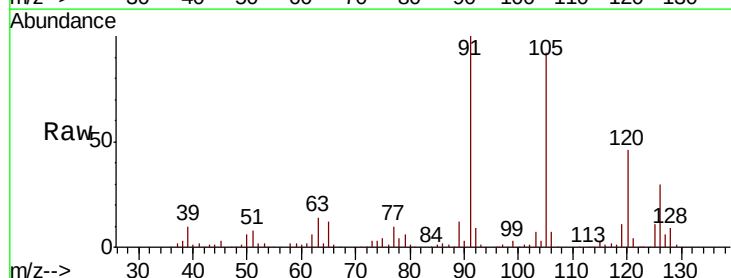
Acq: 16 Oct 2019 14:14

Tgt Ion: 91 Resp: 142902

Ion Ratio Lower Upper

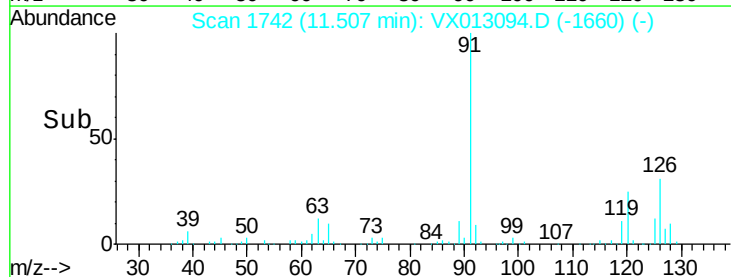
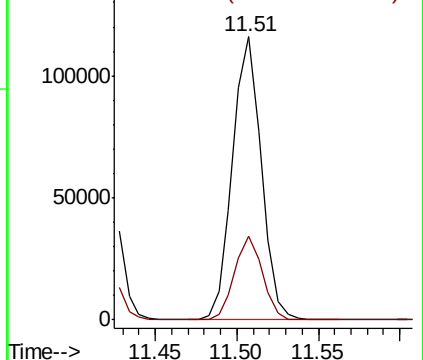
91 100

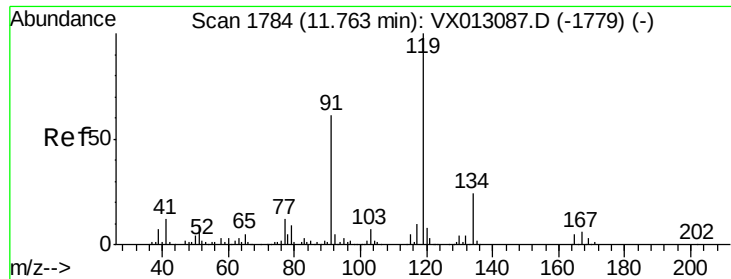
126 28.5 0.0 57.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V





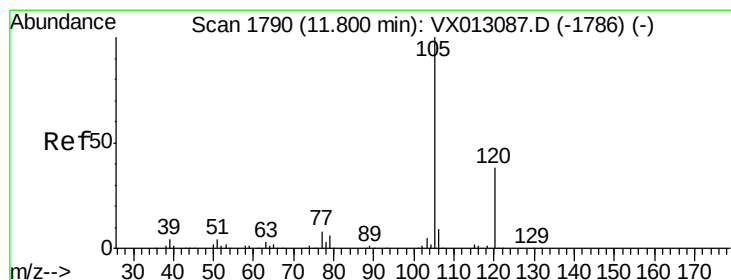
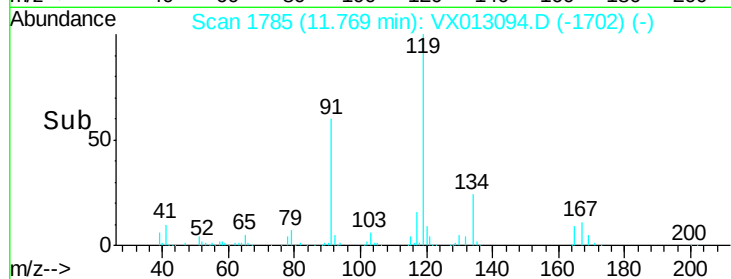
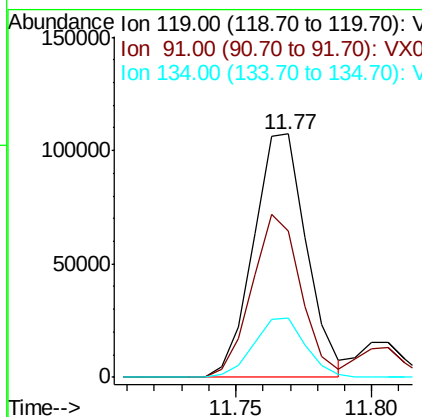
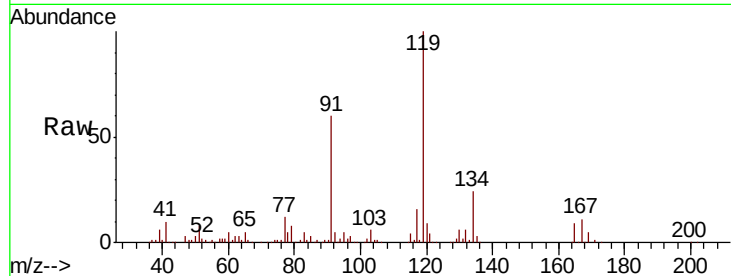
#79
tert-butylbenzene
Concen: 18.742 ug/l
RT: 11.77 min Scan# 1785
Delta R.T. 0.01 min
Lab File: VX013094.D
Acq: 16 Oct 2019 14:14

Instrument :
MSVOA_X
ClientSampleId :
VX1016WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	145348		
91	62.2	0.0	122.2	
134	23.7	0.0	46.6	

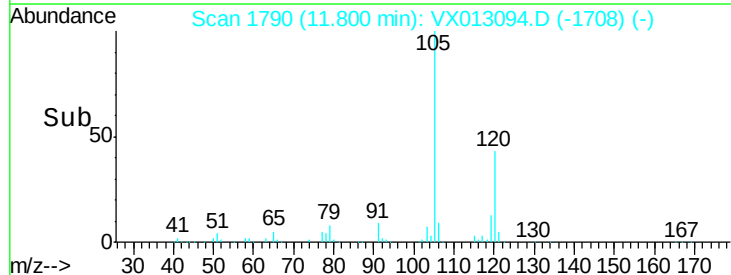
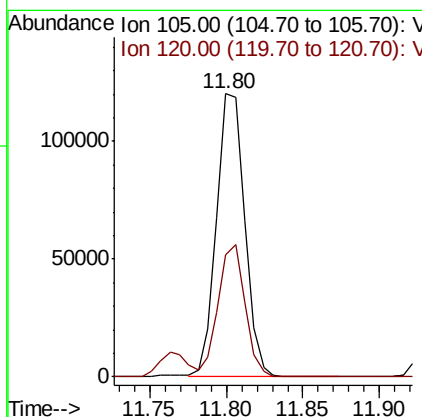
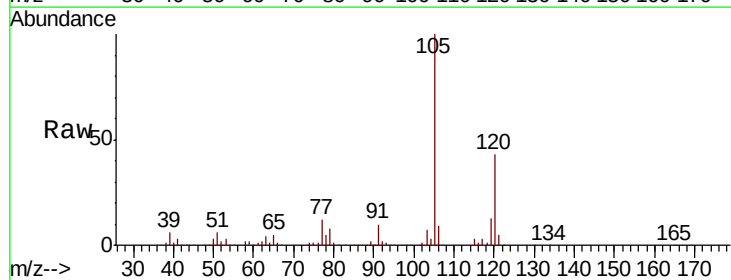
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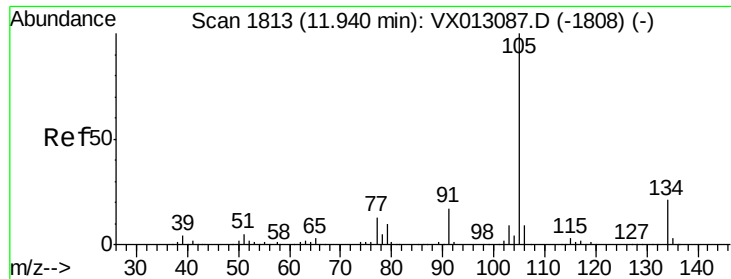
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#80
1,2,4-Trimethylbenzene
Concen: 18.847 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. -0.00 min
Lab File: VX013094.D
Acq: 16 Oct 2019 14:14

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	154954		
120	44.3	0.0	85.8	





#81

sec-Butylbenzene

Concen: 18.402 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX013094.D

Acq: 16 Oct 2019 14:14

Instrument :

MSVOA_X

ClientSampleId :

VX1016WBSD01

Tot Ion:105 Resp: 171910

Ion Ratio Lower Upper

105 100

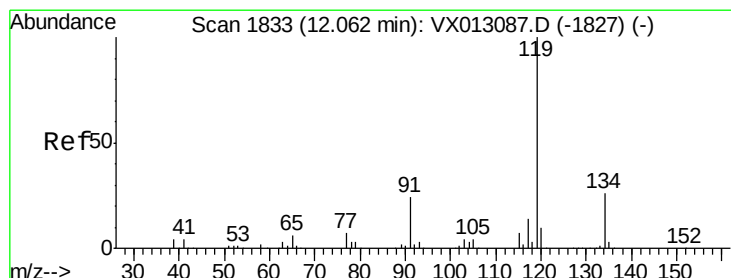
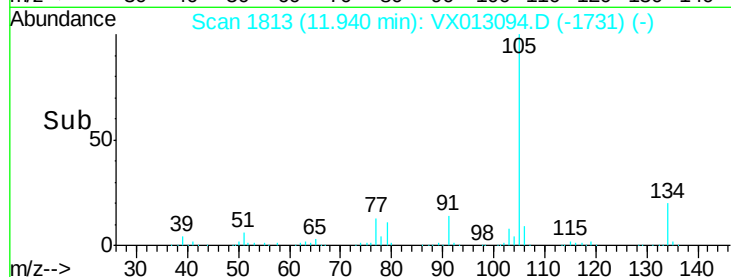
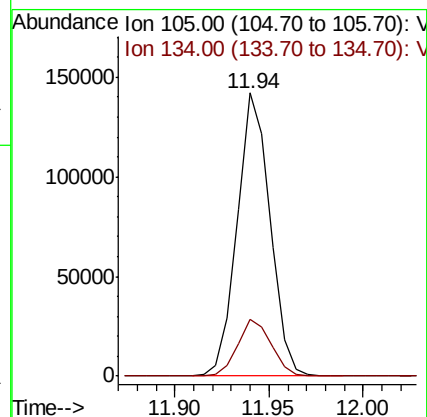
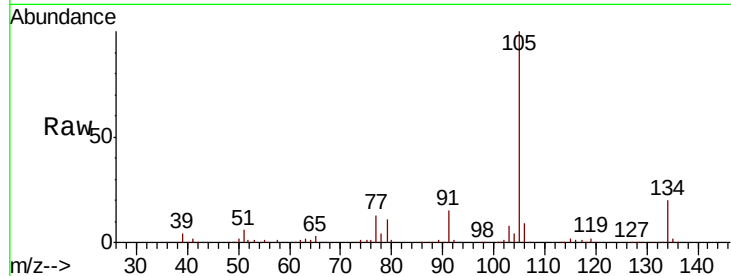
134 20.5 0.0 39.6

Manual Integrations

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#82

p-Isopropyltoluene

Concen: 18.845 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX013094.D

Acq: 16 Oct 2019 14:14

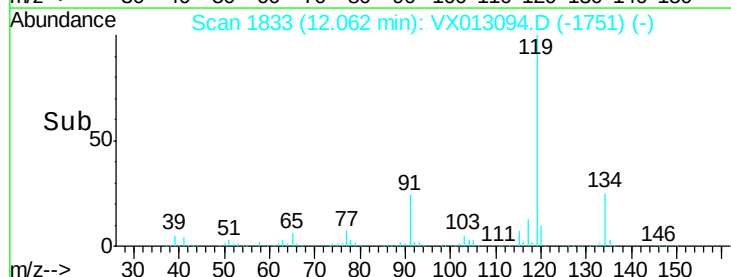
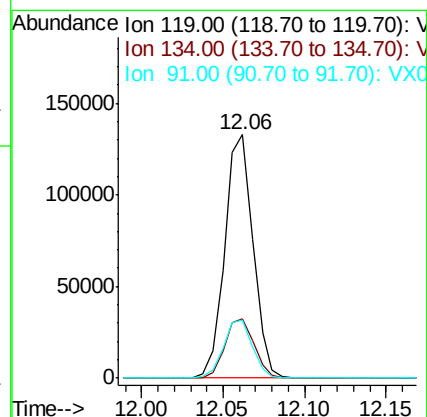
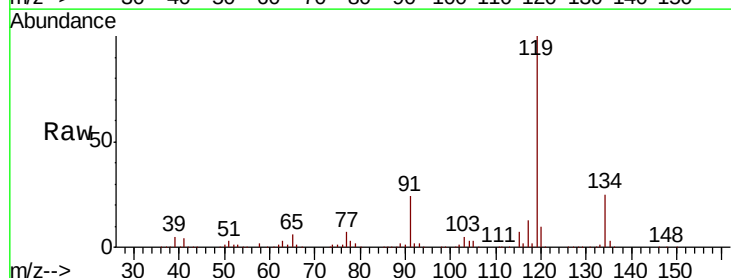
Tgt Ion:119 Resp: 160534

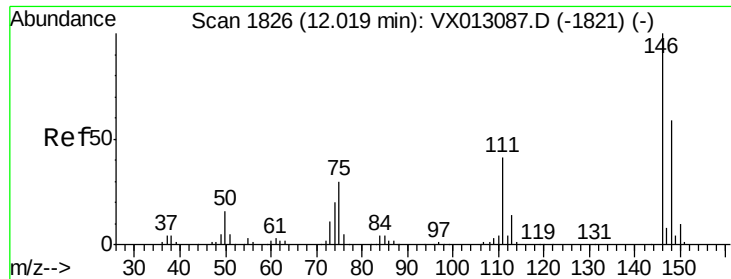
Ion Ratio Lower Upper

119 100

134 25.2 0.0 52.0

91 24.4 0.0 50.4





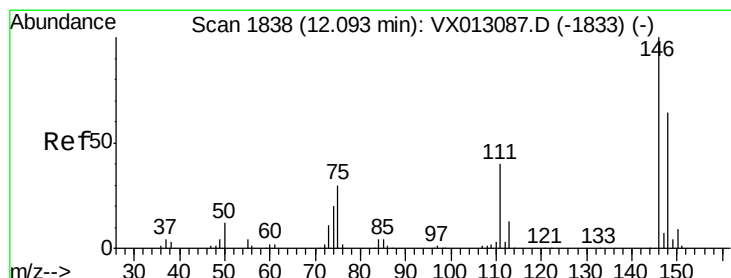
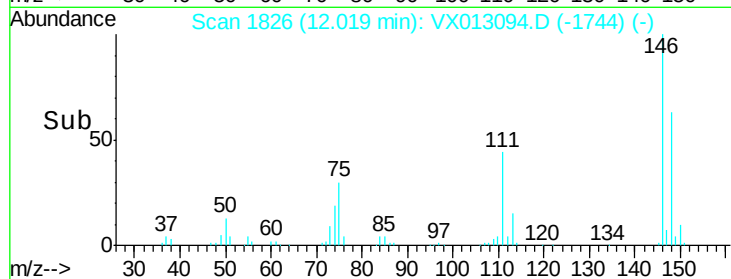
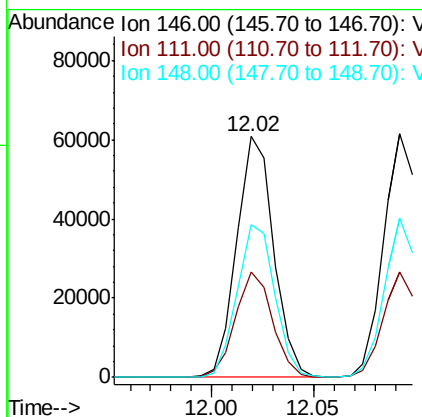
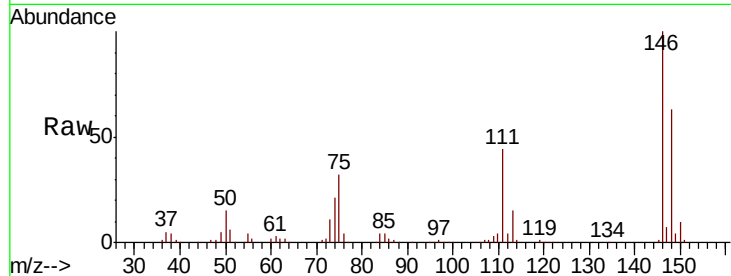
#83
 1,3-Dichlorobenzene
 Concen: 18.306 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX013094.D
 Acq: 16 Oct 2019 14:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1016WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.3	63.9
148	64.4	30.4	91.2

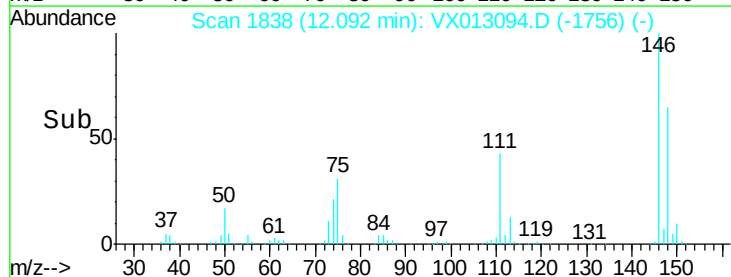
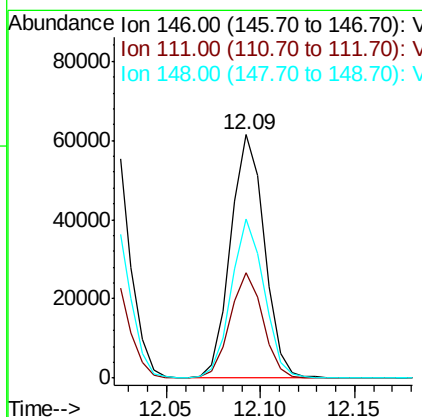
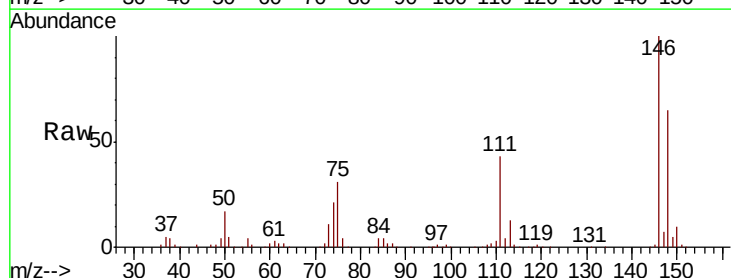
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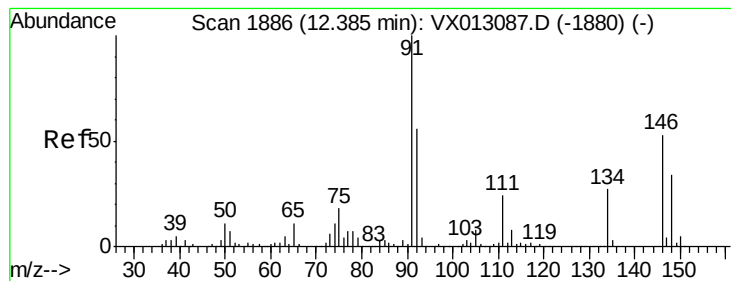
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#84
 1,4-Dichlorobenzene
 Concen: 18.224 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX013094.D
 Acq: 16 Oct 2019 14:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.0	59.9
148	63.6	31.9	95.7





#85

n-Butylbenzene

Concen: 18.137 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX013094.D

Acq: 16 Oct 2019 14:14

Instrument :

MSVOA_X

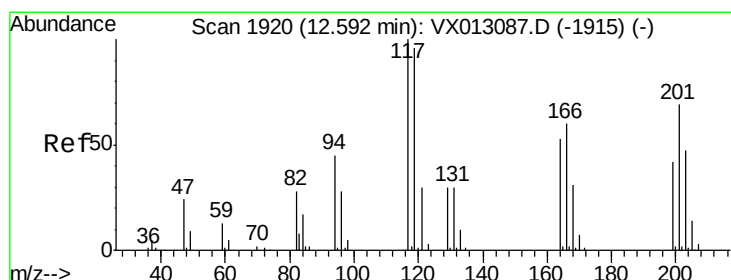
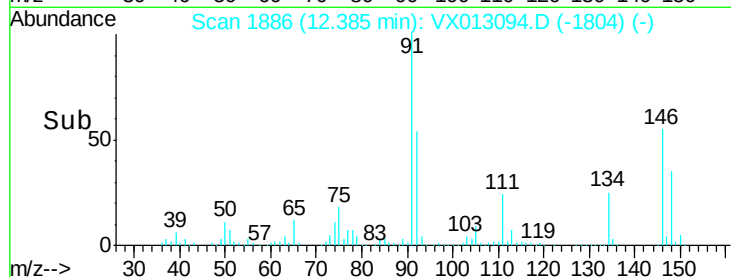
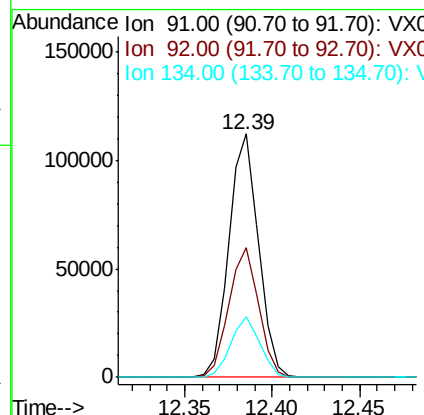
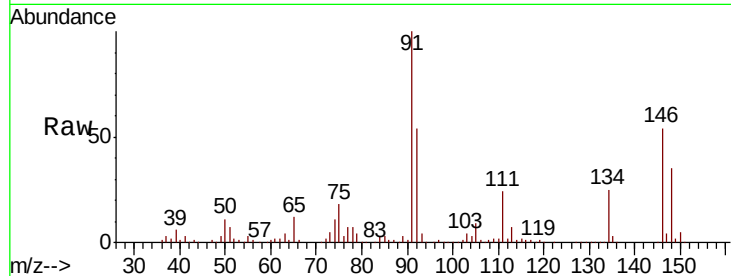
ClientSampleId :

VX1016WBSD01

Tot Ion:	91	Resp:	131877
Ion Ratio	Lower	Upper	
91	100		
92	53.6	0.0	109.4
134	24.8	0.0	51.6

Manual Integrations
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#86

Hexachloroethane

Concen: 16.788 ug/l

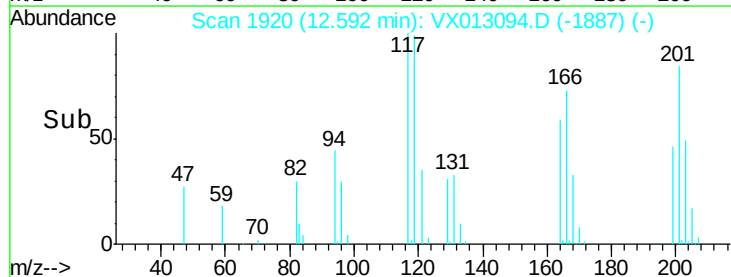
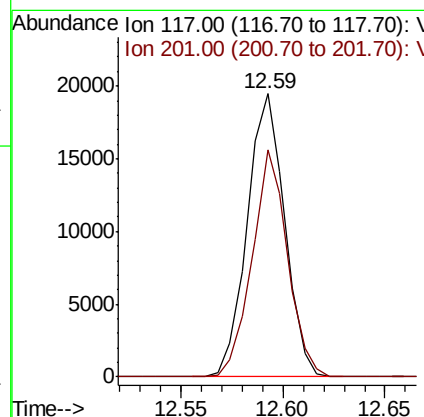
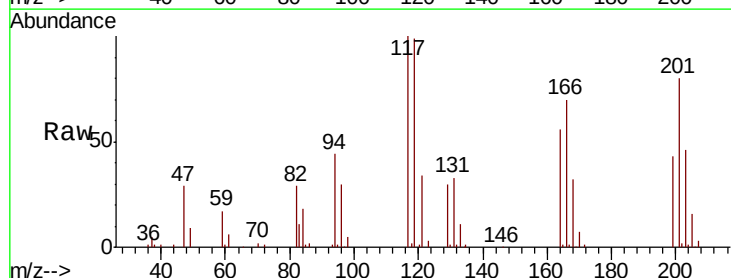
RT: 12.59 min Scan# 1920

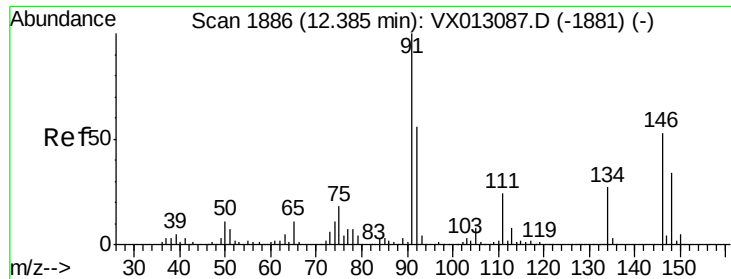
Delta R.T. -0.00 min

Lab File: VX013094.D

Acq: 16 Oct 2019 14:14

Tgt Ion:	117	Resp:	24782
Ion Ratio	Lower	Upper	
117	100		
201	76.1	34.2	102.5





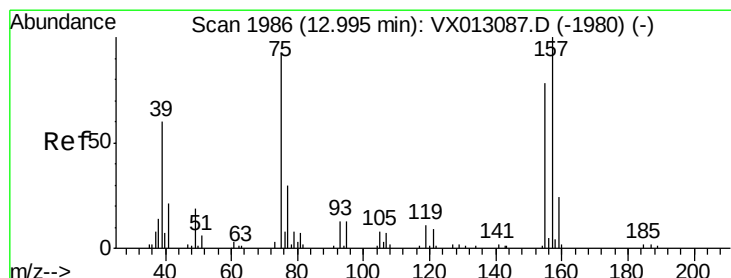
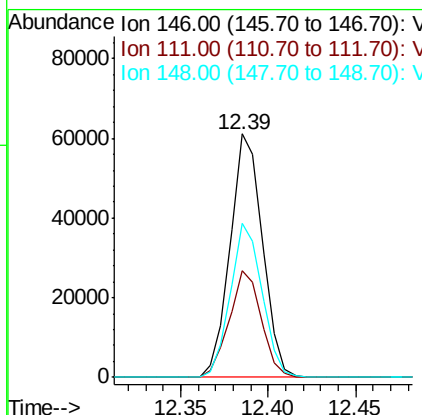
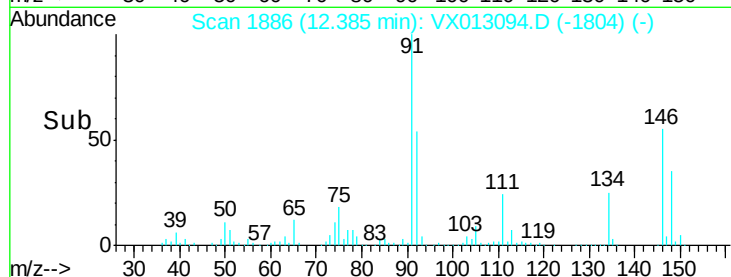
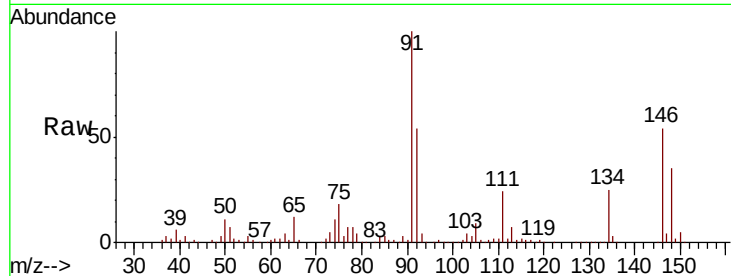
#87
 1,2-Dichlorobenzene
 Concen: 19.053 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX013094.D
 Acq: 16 Oct 2019 14:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1016WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	22.3	66.9
148	62.3	32.7	98.1

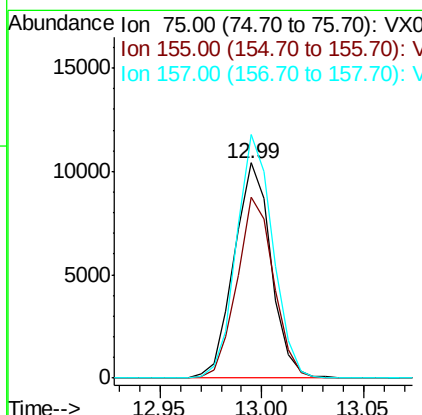
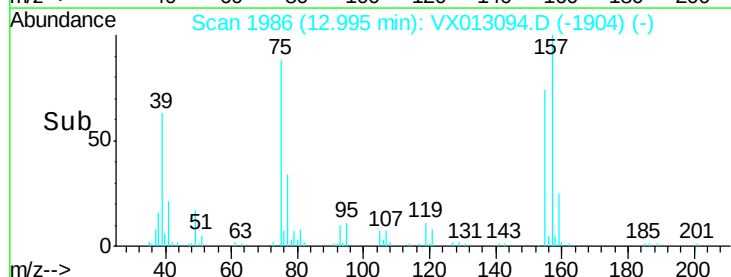
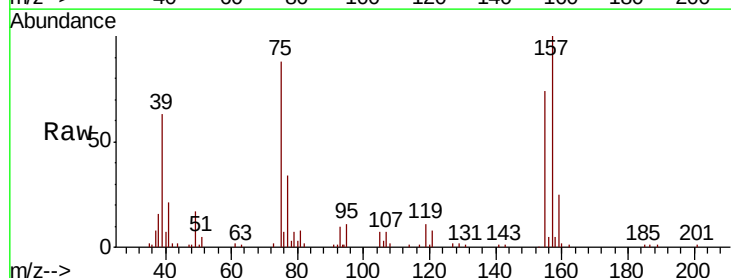
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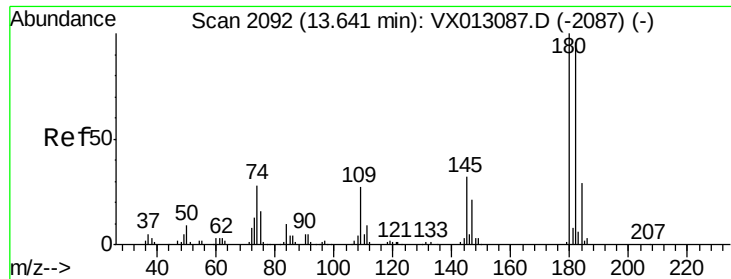
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.112 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX013094.D
 Acq: 16 Oct 2019 14:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.1	68.4	102.6
157	110.9	85.6	128.4





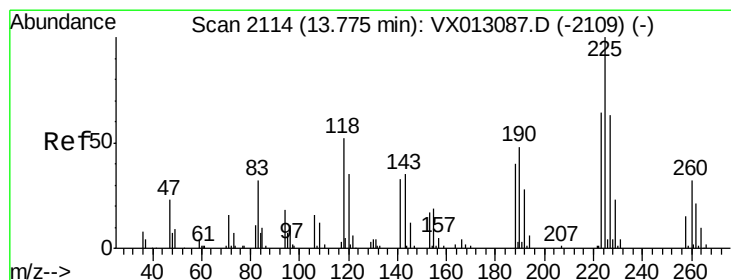
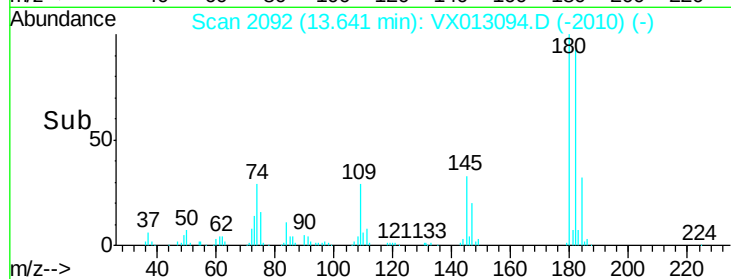
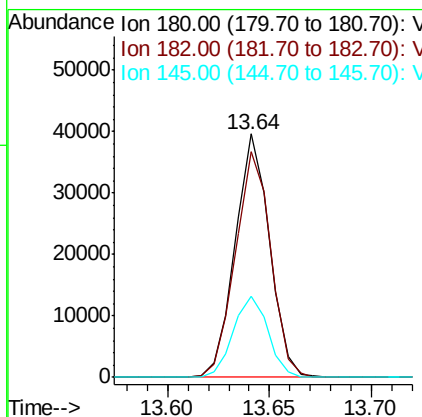
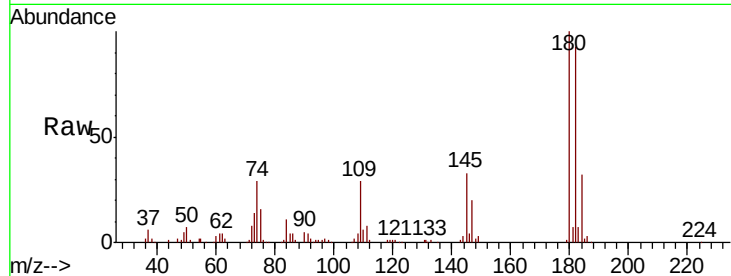
#89
1,2,4-Trichlorobenzene
Concen: 17.976 ug/l
RT: 13.64 min Scan# 2092
Delta R.T. -0.00 min
Lab File: VX013094.D
Acq: 16 Oct 2019 14:14

Instrument :
MSVOA_X
ClientSampleId :
VX1016WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	74.8	112.2
145	34.0	26.2	39.2

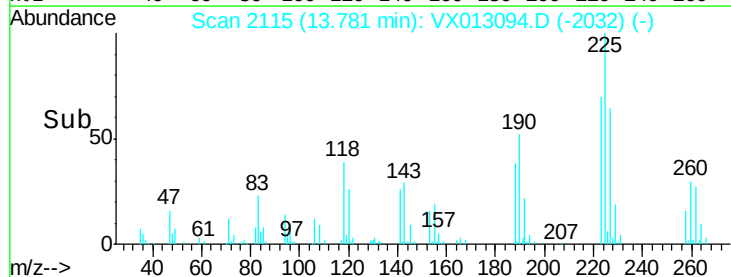
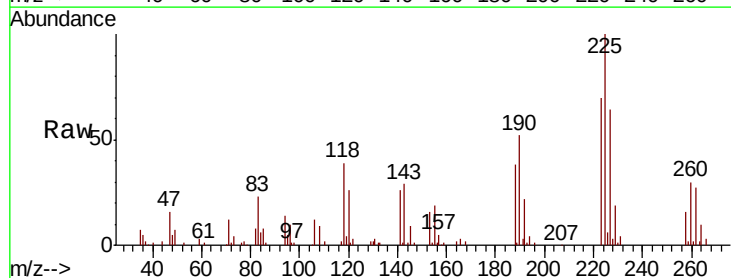
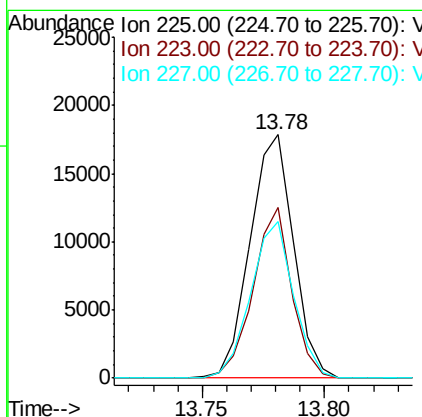
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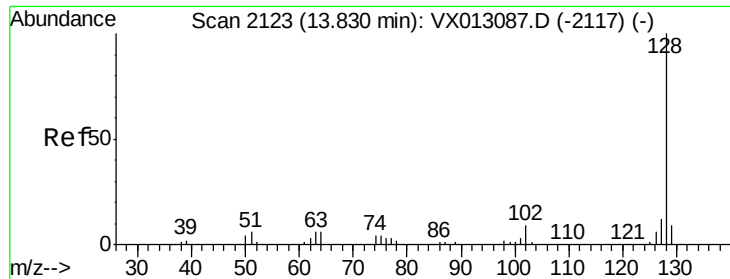
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#90
Hexachlorobutadiene
Concen: 18.102 ug/l
RT: 13.78 min Scan# 2115
Delta R.T. 0.01 min
Lab File: VX013094.D
Acq: 16 Oct 2019 14:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	0.0	132.2
227	63.6	0.0	124.2





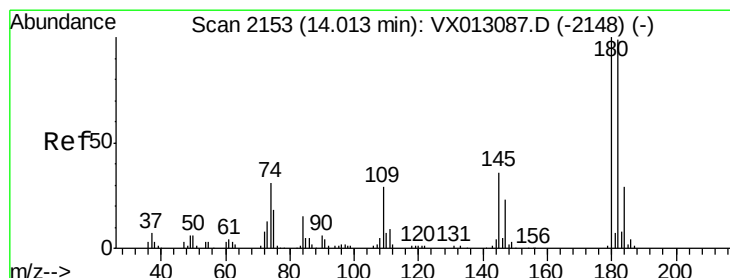
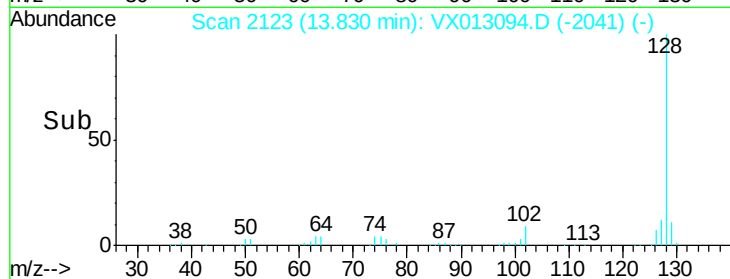
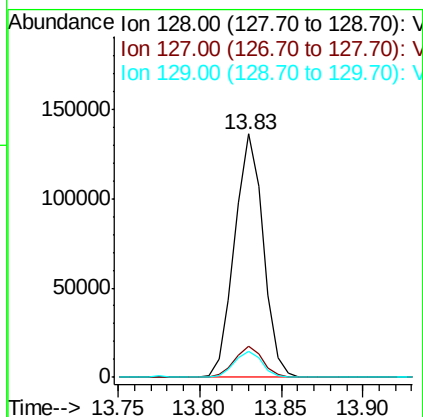
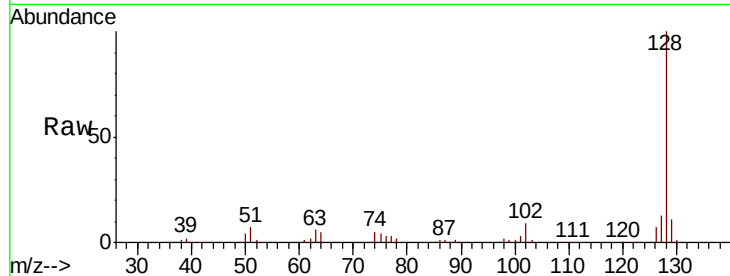
#91
Naphthalene
Concen: 19.019 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX013094.D
Acq: 16 Oct 2019 14:14

Instrument :
MSVOA_X
ClientSampleId :
VX1016WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.0	15.0
129	10.5	8.0	12.0

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#92
1,2,3-Trichlorobenzene
Concen: 18.760 ug/l
RT: 14.02 min Scan# 2154
Delta R.T. 0.01 min
Lab File: VX013094.D
Acq: 16 Oct 2019 14:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	0.0	195.2
145	34.4	0.0	69.8

