

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032019\
 Data File : VX008260.D
 Acq On : 20 Mar 2019 23:32
 Operator : JC/SP
 Sample : VX0320WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0320WBS02

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 5:34:12 PM

Quant Time: Mar 22 07:43:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 13:15:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	278437	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	467198	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	415454	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	192550	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	207327	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	
35) Dibromofluoromethane	5.50	113	155248	49.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.28%	
50) Toluene-d8	8.71	98	591756	49.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.80%	
62) 4-Bromofluorobenzene	11.13	95	206770	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	69381	20.553	ug/l	100
3) Chloromethane	1.33	50	82911	19.573	ug/l	99
4) Vinyl Chloride	1.41	62	84337	19.969	ug/l	100
5) Bromomethane	1.64	94	59665	16.585	ug/l	98
6) Chloroethane	1.73	64	53878	20.346	ug/l	98
7) Trichlorofluoromethane	1.93	101	102612	19.038	ug/l	95
8) Diethyl Ether	2.19	74	60632	21.865	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	69552	19.436	ug/l	91
10) Methyl Iodide	2.51	142	94677	20.779	ug/l	96
11) Tert butyl alcohol	3.05	59	97577	108.694	ug/l	97
12) 1,1-Dichloroethene	2.38	96	69946	20.704	ug/l	92
13) Acrolein	2.29	56	44176	62.031	ug/l	97
14) Allyl chloride	2.73	41	150870	20.514	ug/l	92
15) Acrylonitrile	3.14	53	254858	107.331	ug/l	99
16) Acetone	2.45	43	226823	95.368	ug/l	97
17) Carbon Disulfide	2.57	76	214469	19.861	ug/l	100
18) Methyl Acetate	2.78	43	126353	22.947	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	258310	21.146	ug/l	99
20) Methylene Chloride	2.86	84	83397	21.028	ug/l	92
21) trans-1,2-Dichloroethene	3.17	96	75212	20.608	ug/l	96
22) Diisopropyl ether	3.86	45	305164	21.187	ug/l #	89
23) Vinyl Acetate	3.82	43	1308469	105.958	ug/l	97
24) 1,1-Dichloroethane	3.70	63	156328	21.102	ug/l	99
25) 2-Butanone	4.68	43	370389	105.498	ug/l	99
26) 2,2-Dichloropropane	4.59	77	89963	16.120	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	86755	20.851	ug/l	92
28) Bromochloromethane	5.02	49	66093	19.869	ug/l	84
29) Tetrahydrofuran	5.13	42	241764	110.156	ug/l	97
30) Chloroform	5.21	83	146695	21.169	ug/l	97
31) Cyclohexane	5.58	56	138664	19.933	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	120022	20.821	ug/l	96
36) 1,1-Dichloropropene	5.80	75	109967	20.217	ug/l	97
37) Ethyl Acetate	4.84	43	139541	21.702	ug/l	97
38) Carbon Tetrachloride	5.79	117	99333	20.496	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	121163	18.510	ug/l	93
40) Benzene	6.15	78	335844	20.861	ug/l	99
41) Methacrylonitrile	5.04	41	77992	21.624	ug/l	97
42) 1,2-Dichloroethane	6.20	62	122735	20.811	ug/l	96
43) Isopropyl Acetate	6.45	43	218888	21.238	ug/l	97
44) Trichloroethene	7.21	130	80583	20.471	ug/l	89
45) 1,2-Dichloropropane	7.51	63	93675	20.785	ug/l	99
46) Dibromomethane	7.66	93	56080	20.551	ug/l	88
47) Bromodichloromethane	7.90	83	108044	20.776	ug/l	97
48) Methyl methacrylate	7.77	41	115232	21.027	ug/l	93
49) 1,4-Dioxane	7.74	88	41818	432.426	ug/l	92
51) 4-Methyl-2-Pentanone	8.64	43	733423	110.073	ug/l	97
52) Toluene	8.79	92	198836	20.818	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	112872	18.260	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	127237	19.714	ug/l	92
55) 1,1,2-Trichloroethane	9.21	97	82528	21.386	ug/l	96
56) Ethyl methacrylate	9.18	69	134116	20.131	ug/l #	92
57) 1,3-Dichloropropane	9.37	76	144070	21.104	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	305278	96.552	ug/l	94
59) 2-Hexanone	9.49	43	557527	108.685	ug/l	95
60) Dibromochloromethane	9.58	129	78855	21.262	ug/l	99
61) 1,2-Dibromoethane	9.67	107	86480	21.462	ug/l	98
64) Tetrachloroethene	9.34	164	79088	21.100	ug/l	96
65) Chlorobenzene	10.14	112	209030	20.448	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	73600	20.650	ug/l	98
67) Ethyl Benzene	10.25	91	367849	20.420	ug/l	98
68) m/p-Xylenes	10.36	106	270735	40.913	ug/l	93
69) o-Xylene	10.69	106	133110	20.701	ug/l	95
70) Styrene	10.71	104	217087	20.774	ug/l	96
71) Bromoform	10.85	173	56242	19.710	ug/l #	100
73) Isopropylbenzene	11.02	105	354753	20.670	ug/l	98
74) N-amyl acetate	10.90	43	184747	20.545	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	127916	20.785	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	111476m	20.584	ug/l	
77) Bromobenzene	11.26	156	86488	20.842	ug/l	86
78) n-propylbenzene	11.36	91	404623	20.298	ug/l	96
79) 2-Chlorotoluene	11.42	91	246673	20.617	ug/l	95
80) 1,3,5-Trimethylbenzene	11.51	105	289832	20.440	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	34914	17.400	ug/l	88
82) 4-Chlorotoluene	11.51	91	279515	20.076	ug/l	95
83) tert-Butylbenzene	11.77	119	275150	20.325	ug/l	93
84) 1,2,4-Trimethylbenzene	11.80	105	296959	20.658	ug/l	98
85) sec-Butylbenzene	11.94	105	337654	20.141	ug/l	97
86) p-Isopropyltoluene	12.06	119	290144	19.994	ug/l	97
87) 1,3-Dichlorobenzene	12.02	146	149413	20.147	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	149448	19.482	ug/l	97
89) n-Butylbenzene	12.38	91	256433	18.828	ug/l	97
90) Hexachloroethane	12.60	117	49164	19.893	ug/l	84
91) 1,2-Dichlorobenzene	12.39	146	151398	20.247	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	27629	20.213	ug/l	78

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ClientSampleId :
VX0320WBS02

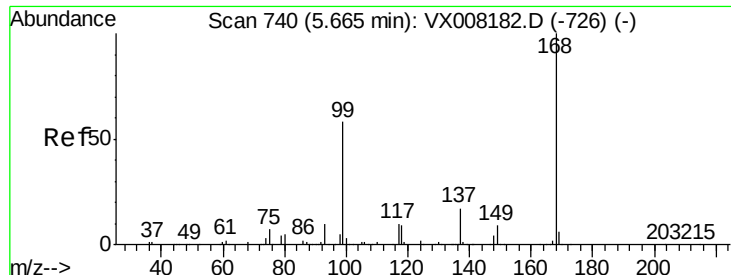
Manual Integrations
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QLast Update : Tue Mar 19 13:15:13 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	95587	19.407	ug/l	99
94) Hexachlorobutadiene	13.78	225	46660	19.424	ug/l	99
95) Naphthalene	13.83	128	320814	20.637	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	97694	20.158	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

Instrument :

MSVOA_X

ClientSampled :

VX0320WBS02

Tot Ion:168 Resp: 278437

Ion Ratio Lower Upper

168 100

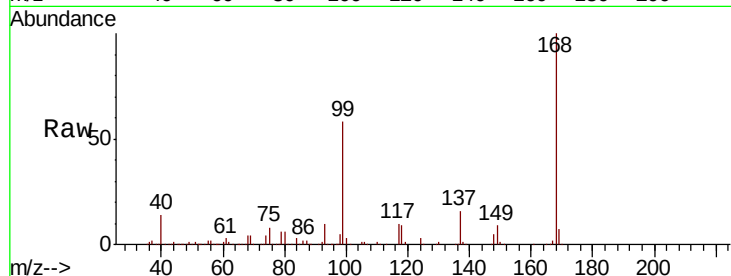
99 57.9 37.6 56.4#

Manual Integrations

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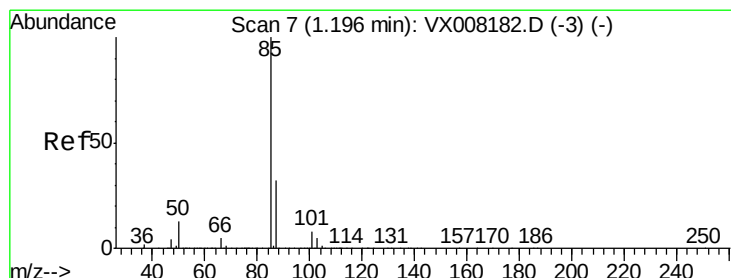
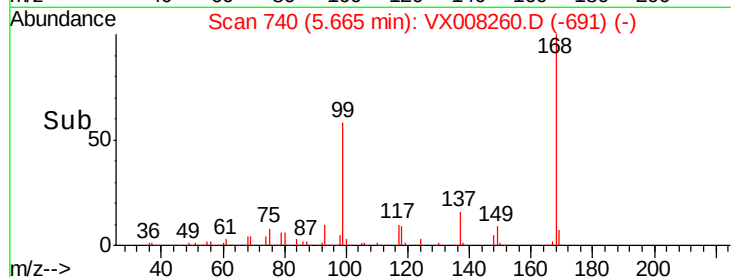
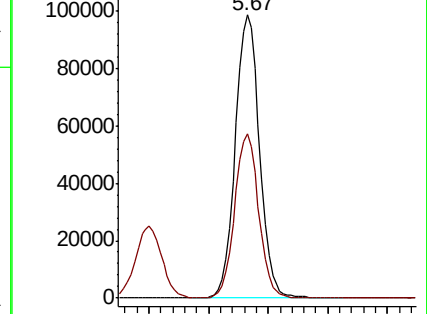
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 20.553 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX008260.D

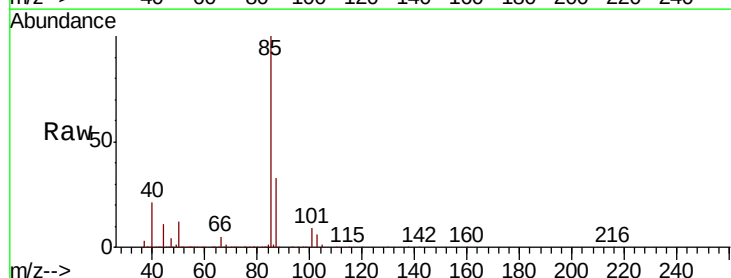
Acq: 20 Mar 2019 23:32

Tgt Ion: 85 Resp: 69381

Ion Ratio Lower Upper

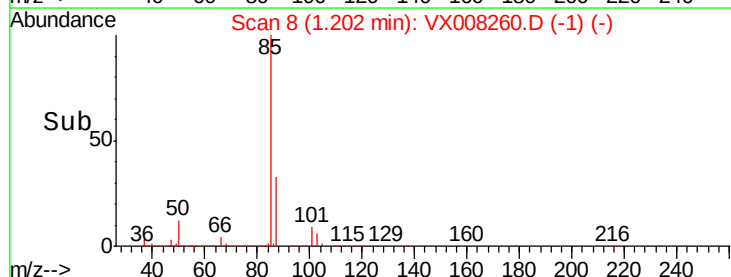
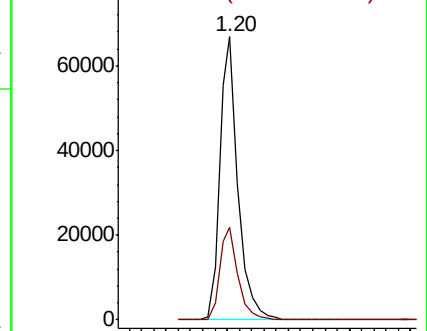
85 100

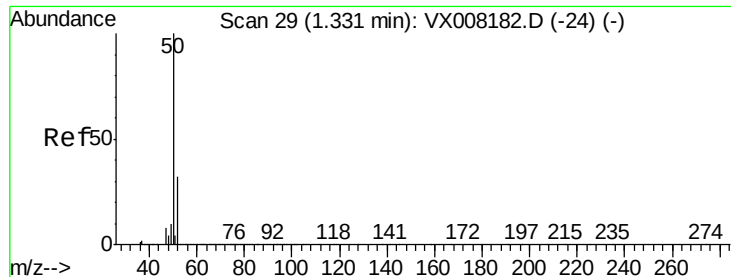
87 32.9 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 19.573 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBS02

Tot Ion: 50 Resp: 82911

Ion Ratio Lower Upper

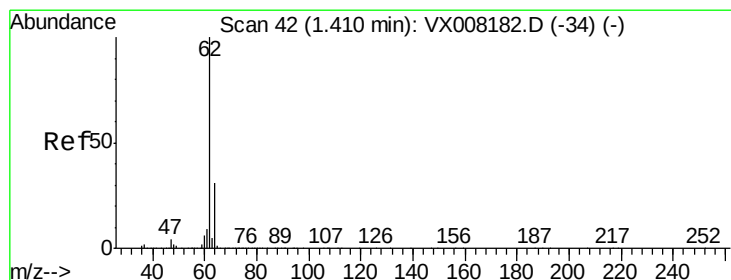
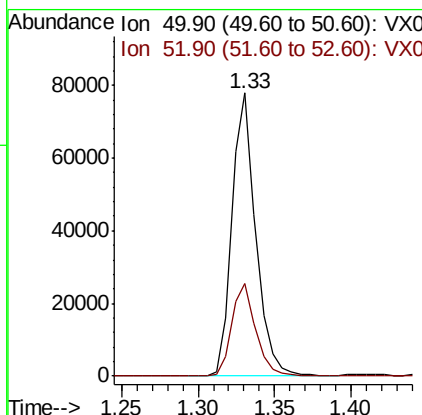
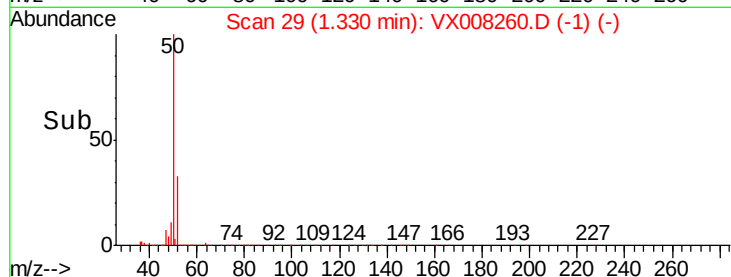
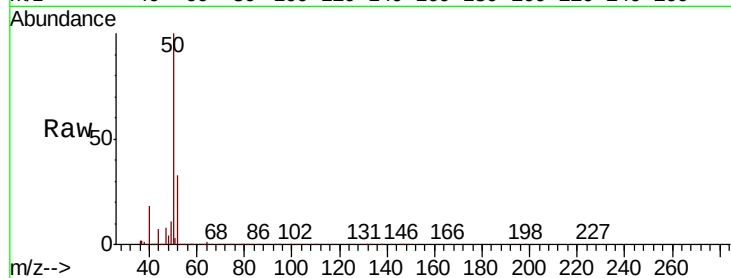
50 100

52 32.7 26.5 39.7

Manual Integrations
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#4

Vinyl Chloride

Concen: 19.969 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX008260.D

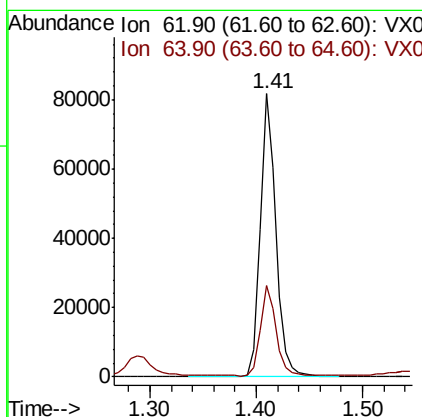
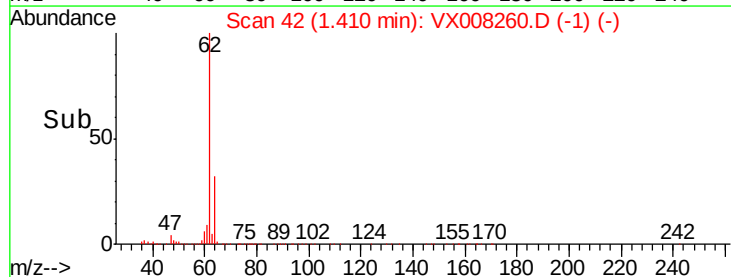
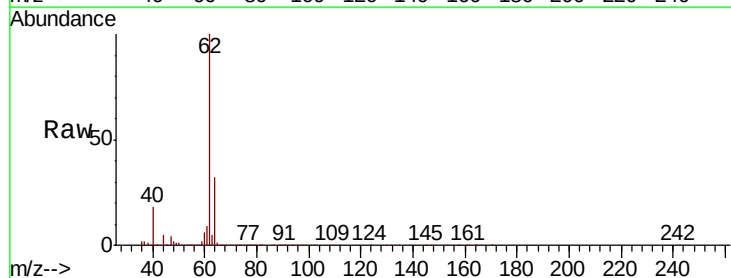
Acq: 20 Mar 2019 23:32

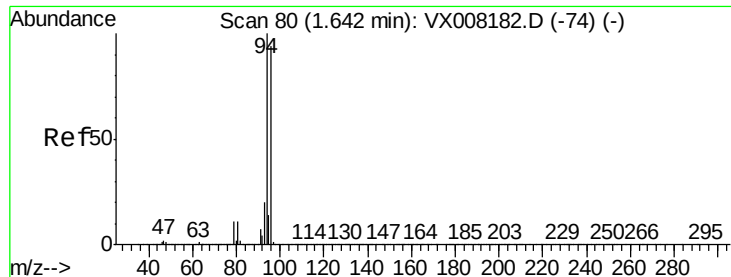
Tgt Ion: 62 Resp: 84337

Ion Ratio Lower Upper

62 100

64 31.9 25.3 37.9





#5

Bromomethane

Concen: 16.585 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBS02

Tot Ion: 94 Resp: 59665

Ion Ratio Lower Upper

94 100

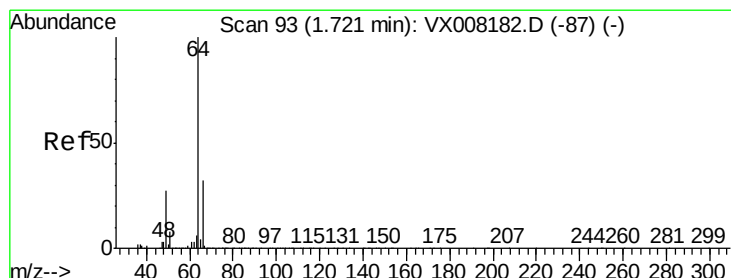
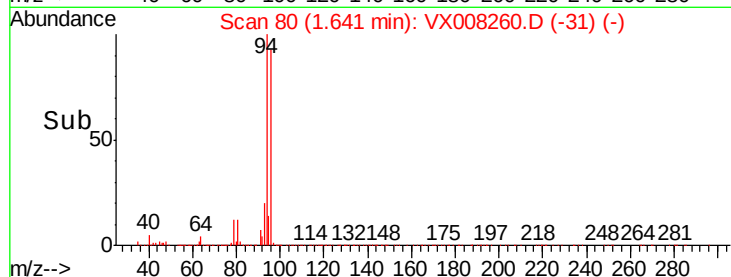
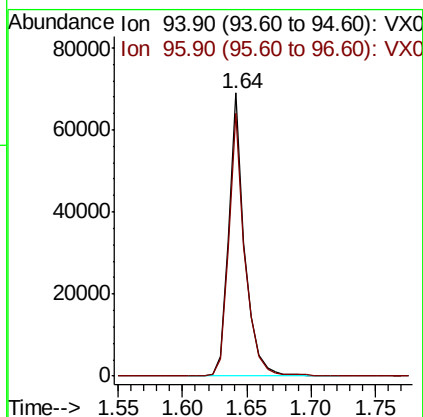
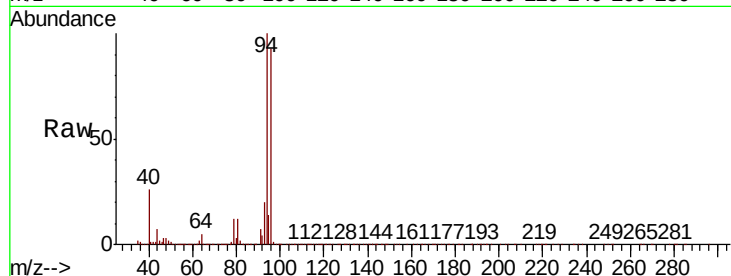
96 92.6 75.5 113.3

Manual Integrations

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#6

Chloroethane

Concen: 20.346 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX008260.D

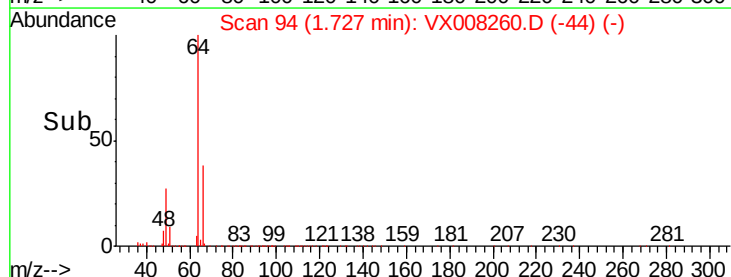
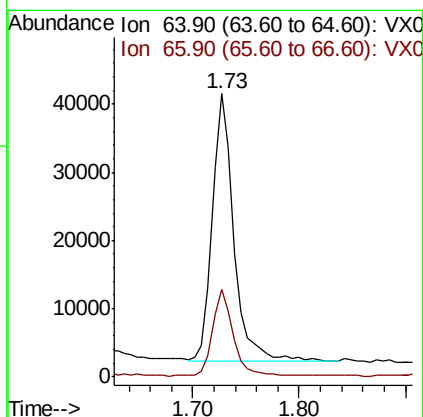
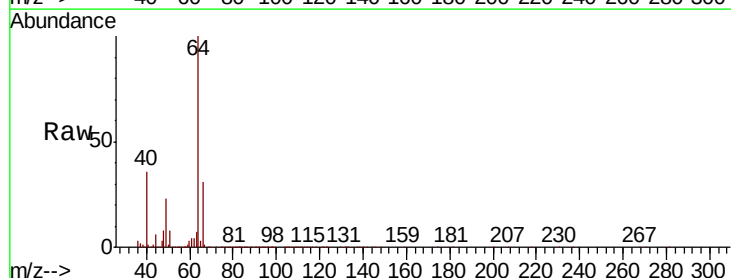
Acq: 20 Mar 2019 23:32

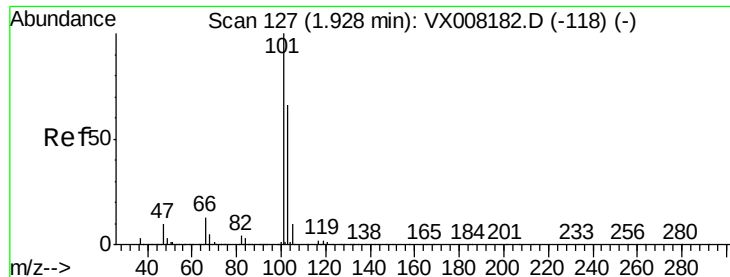
Tgt Ion: 64 Resp: 53878

Ion Ratio Lower Upper

64 100

66 32.5 25.2 37.8





#7

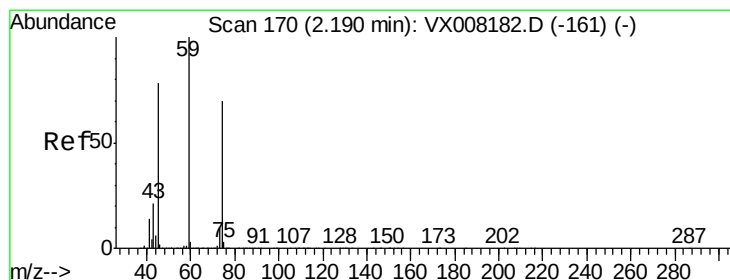
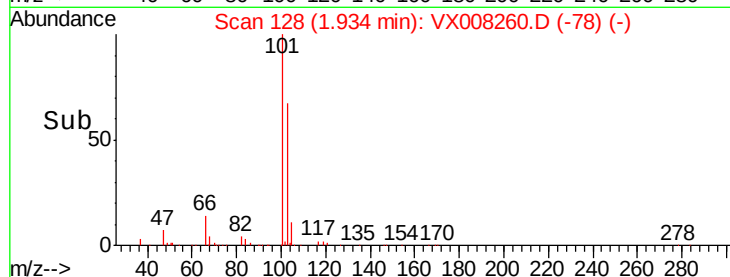
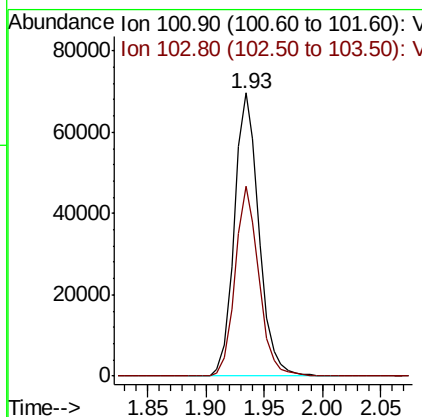
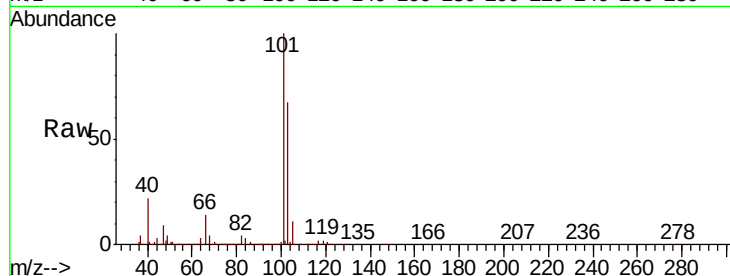
Trichlorofluoromethane
Concen: 19.038 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.01 min
Lab File: VX008260.D
Acq: 20 Mar 2019 23:32

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MSVOA_X
ClientSampleId :
VX0320WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.0	50.4	75.6

Manual Integrations
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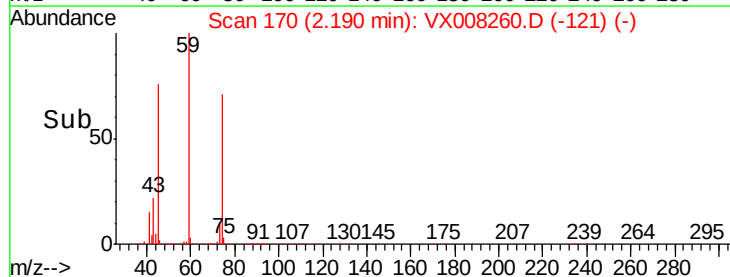
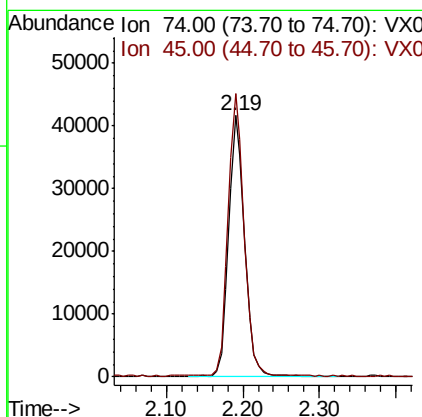
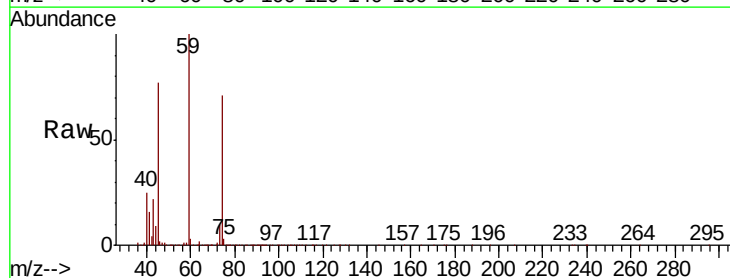
MMDadoda
3/22/2019 5:34:12 PM

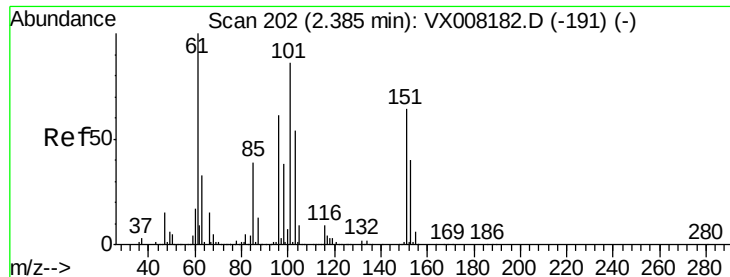


#8

Diethyl Ether
Concen: 21.865 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX008260.D
Acq: 20 Mar 2019 23:32

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.7	52.1	156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.436 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

Instrument :

MSVOA_X

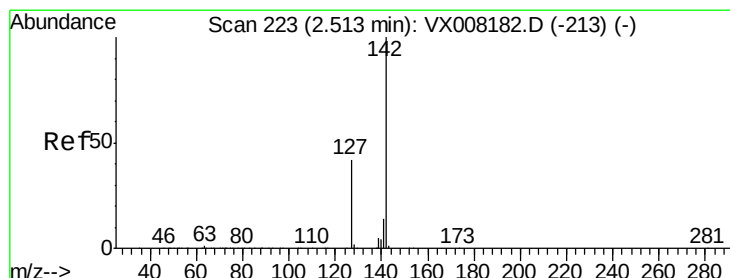
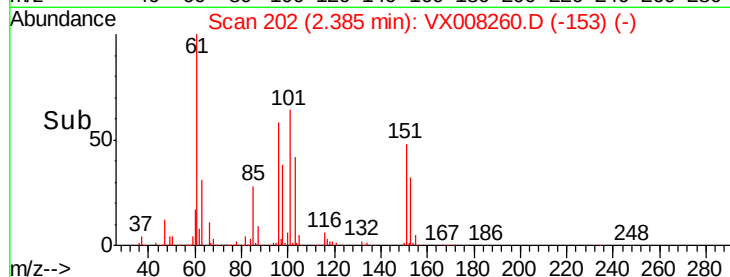
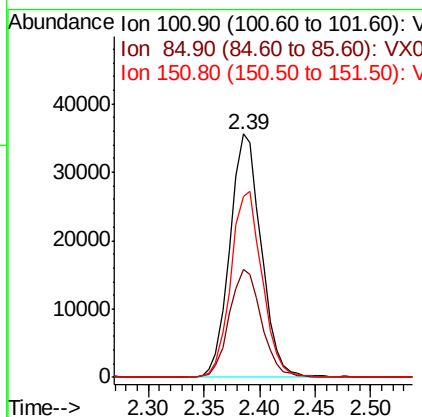
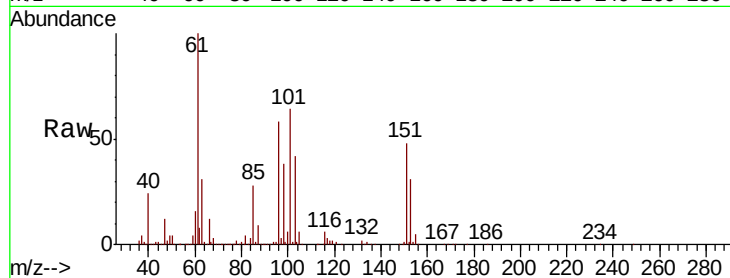
ClientSampleId :

VX0320WBS02

Tot Ion:	101	Resp:	69552
Ion Ratio	Lower	Upper	
101	100		
85	45.2	33.8	50.6
151	76.3	69.1	103.7

Manual Integrations
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MMDadoda
3/22/2019 5:34:12 PM



#10

Methyl Iodide

Concen: 20.779 ug/l

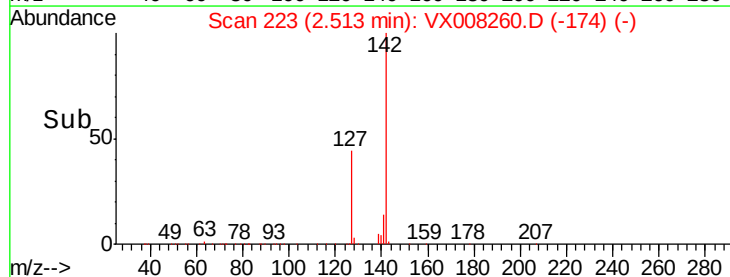
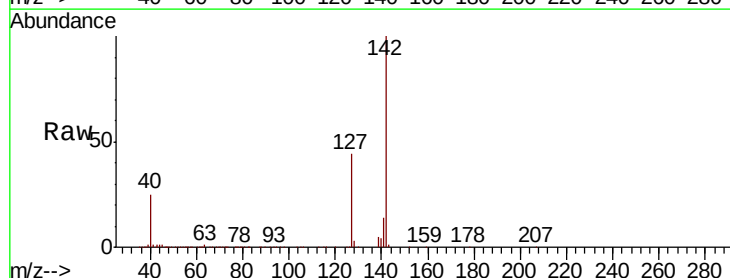
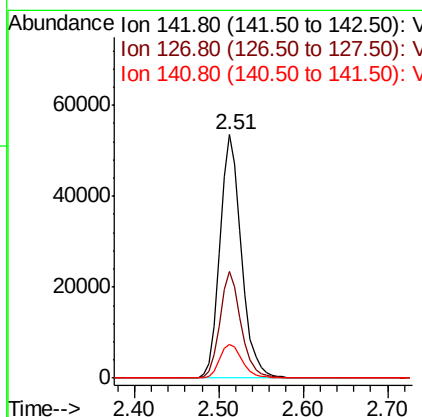
RT: 2.51 min Scan# 223

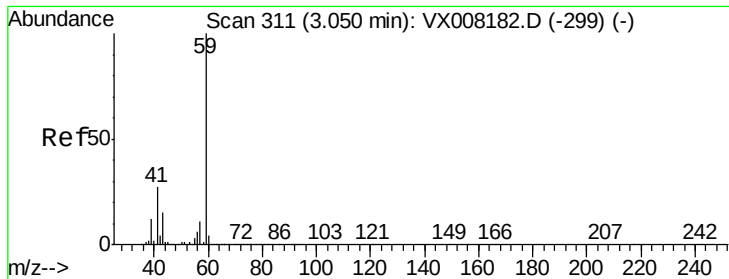
Delta R.T. -0.00 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

Tgt Ion:	142	Resp:	94677
Ion Ratio	Lower	Upper	
142	100		
127	42.9	32.1	48.1
141	14.7	11.4	17.2





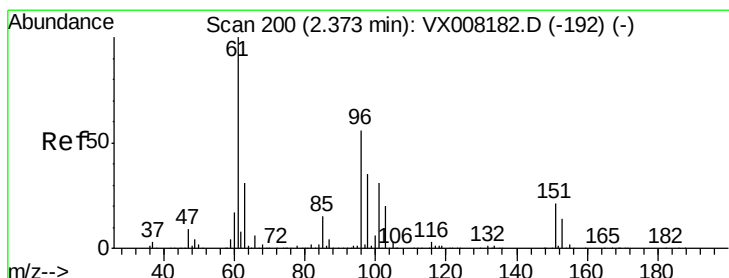
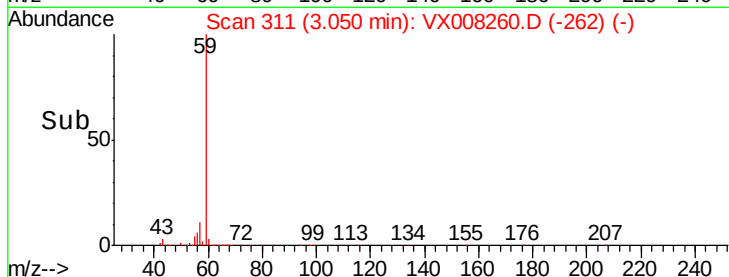
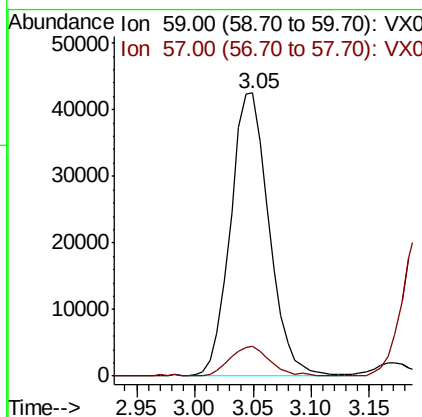
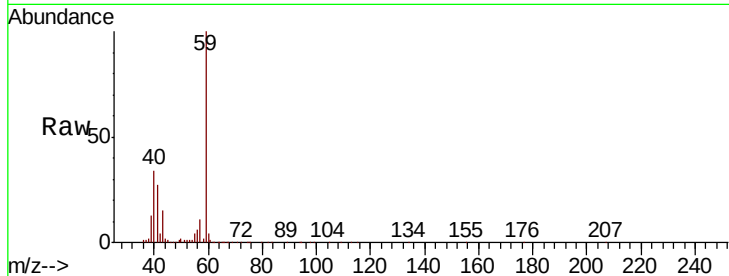
#11
Tert butyl alcohol
Concen: 108.694 ug/l
RT: 3.05 min Scan# 311
Delta R.T. -0.00 min
Lab File: VX008260.D
Acq: 20 Mar 2019 23:32

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.3	8.2	12.2

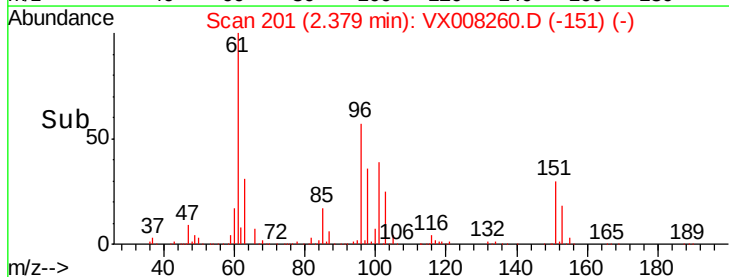
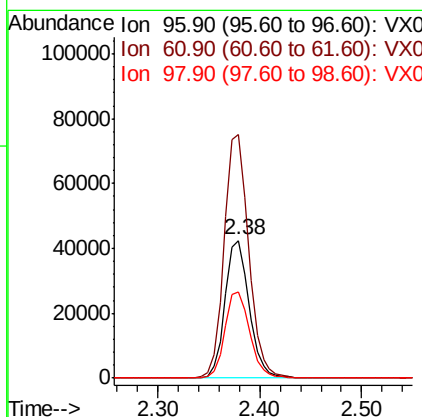
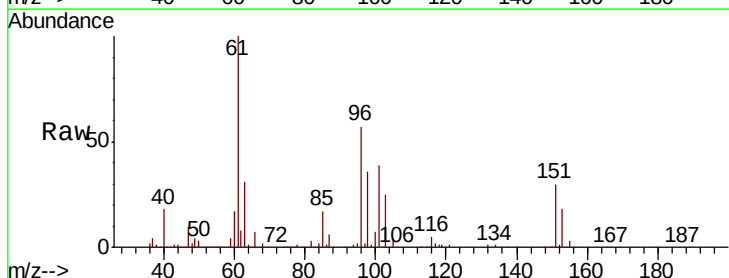
Manual Integrations
APPROVED

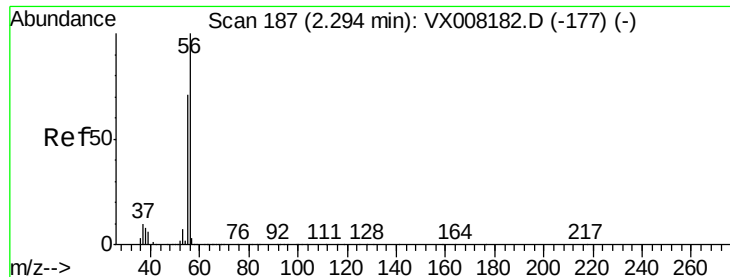
MMDadoda
3/22/2019 5:34:12 PM



#12
1,1-Dichloroethene
Concen: 20.704 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX008260.D
Acq: 20 Mar 2019 23:32

Tgt Ion	Ratio	Lower	Upper
96	100		
61	176.2	129.8	194.6
98	62.9	51.0	76.6





#13

Acrolein

Concen: 62.031 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBS02

Tot Ion: 56 Resp: 44176

Ion Ratio Lower Upper

56 100

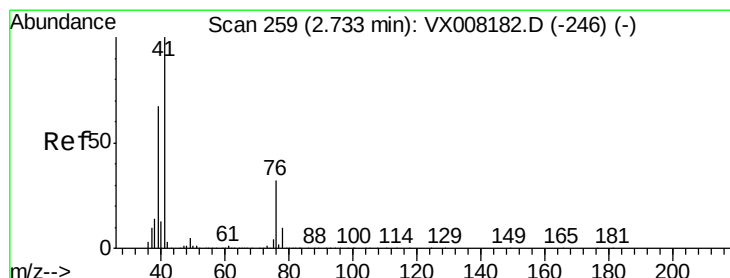
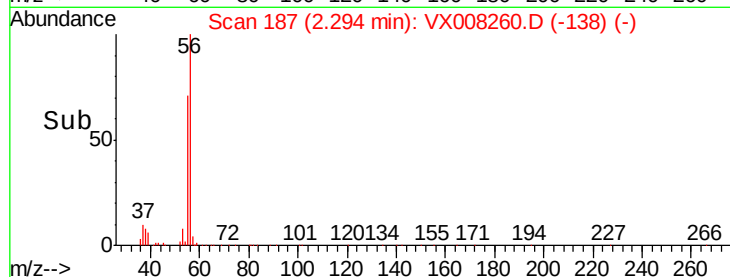
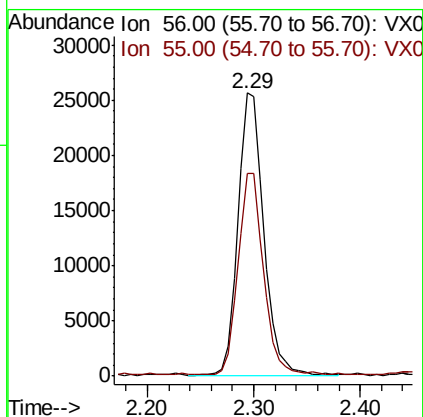
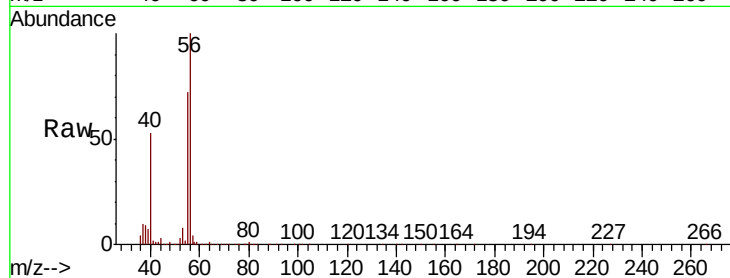
55 69.8 57.8 86.6

Manual Integrations

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#14

Allyl chloride

Concen: 20.514 ug/l

RT: 2.73 min Scan# 259

Delta R.T. -0.00 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

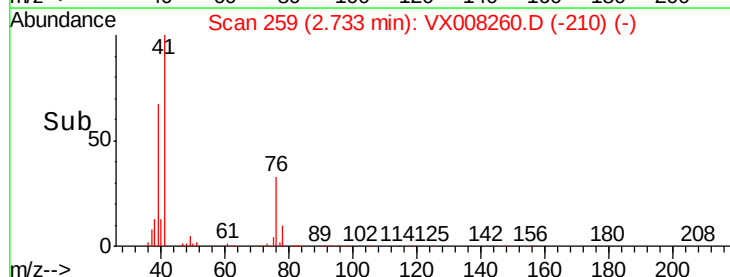
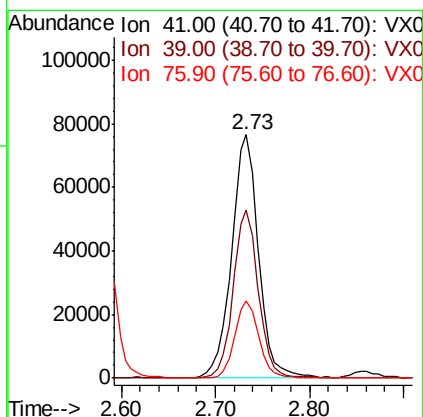
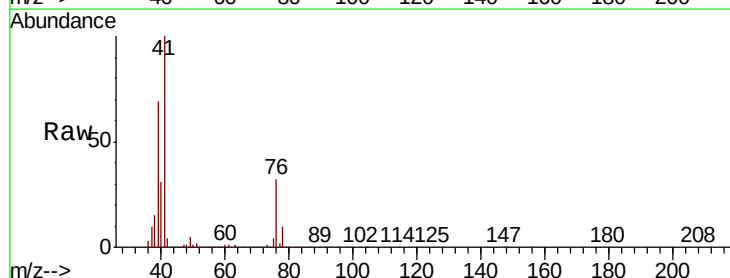
Tgt Ion: 41 Resp: 150870

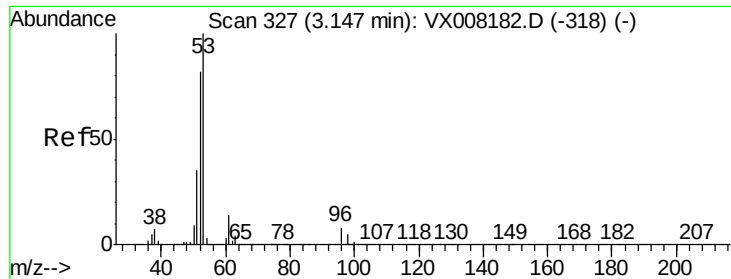
Ion Ratio Lower Upper

41 100

39 65.5 46.1 69.1

76 28.3 24.0 36.0





#15

Acrylonitrile

Concen: 107.331 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

Instrument :

MSVOA_X

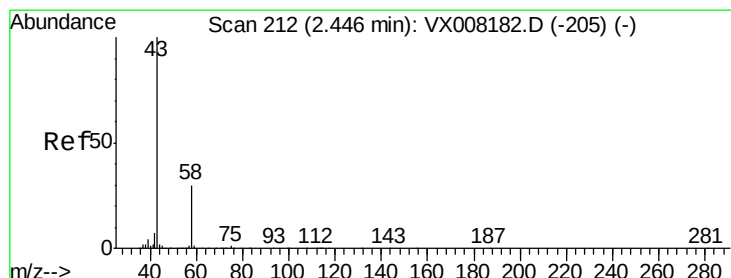
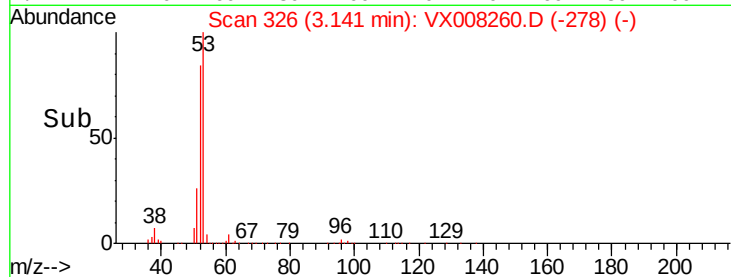
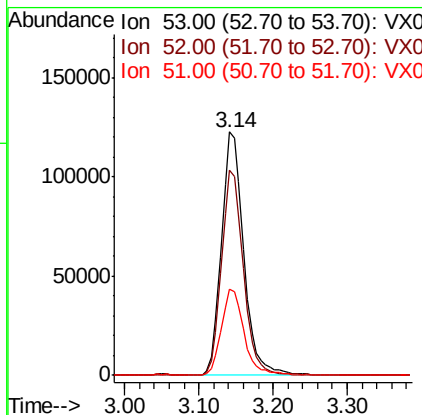
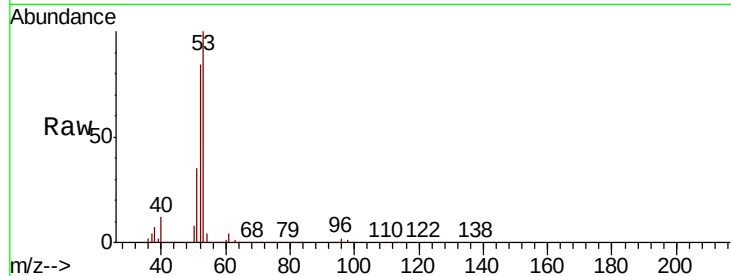
ClientSampleId :

VX0320WBS02

Tot Ion:	53	Resp:	254858
Ion Ratio	Lower	Upper	
53	100		
52	82.8	66.0	99.0
51	36.5	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 95.368 ug/l

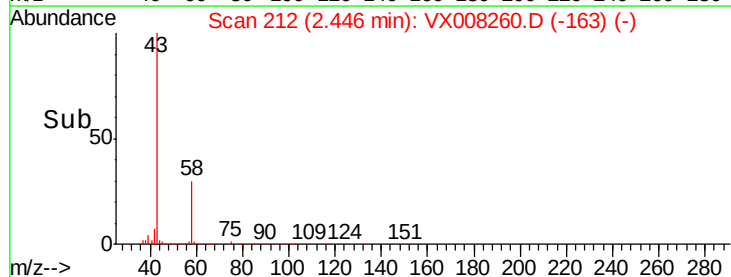
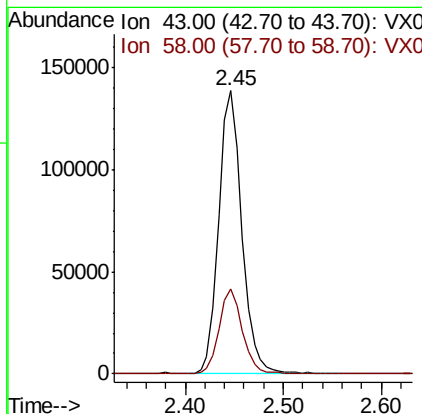
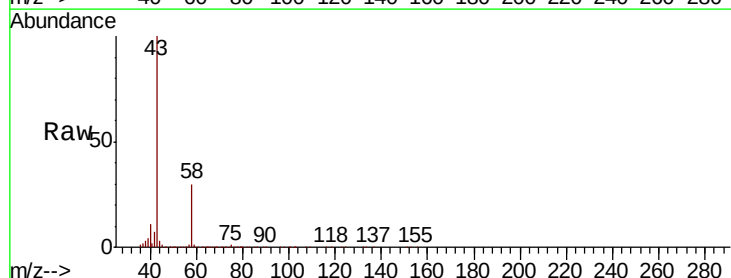
RT: 2.45 min Scan# 212

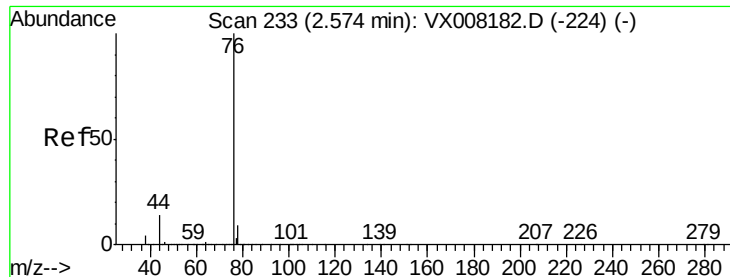
Delta R.T. -0.00 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

Tgt Ion:	43	Resp:	226823
Ion Ratio	Lower	Upper	
43	100		
58	30.0	25.5	38.3





#17

Carbon Disulfide

Concen: 19.861 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBS02

Tot Ion: 76 Resp: 214469

Ion Ratio Lower Upper

76 100

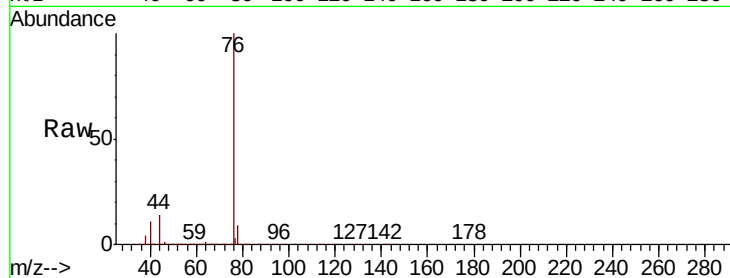
78 9.2 7.2 10.8

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

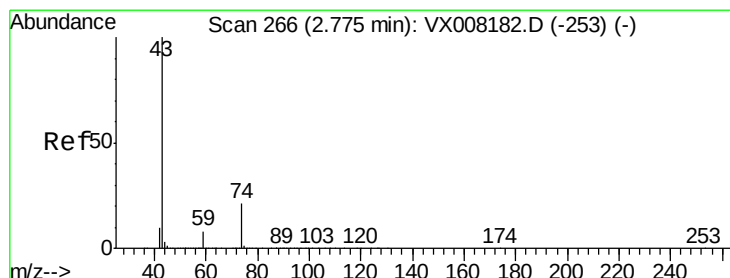
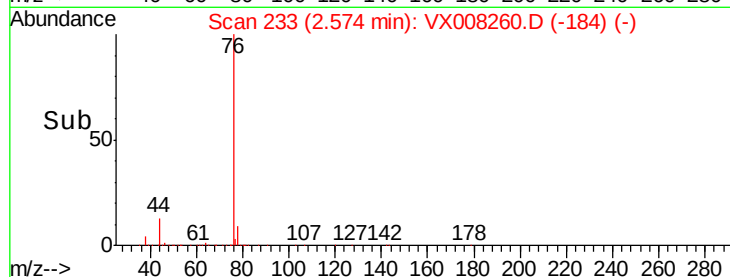
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 22.947 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX008260.D

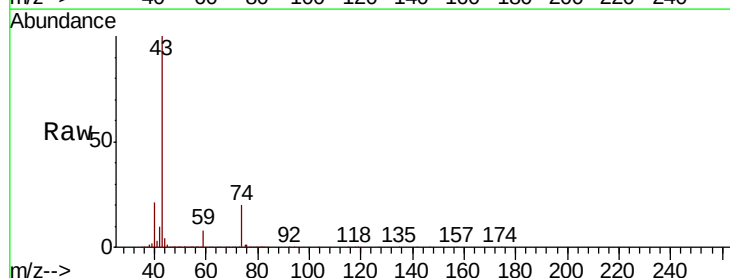
Acq: 20 Mar 2019 23:32

Tgt Ion: 43 Resp: 126353

Ion Ratio Lower Upper

43 100

74 21.2 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

80000

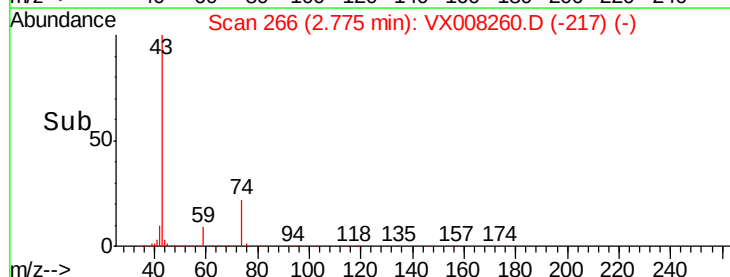
60000

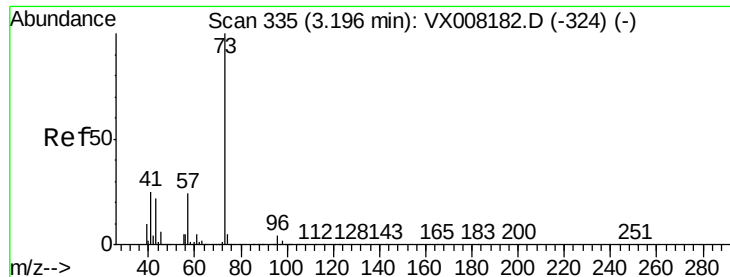
40000

20000

0

Time-->





#19

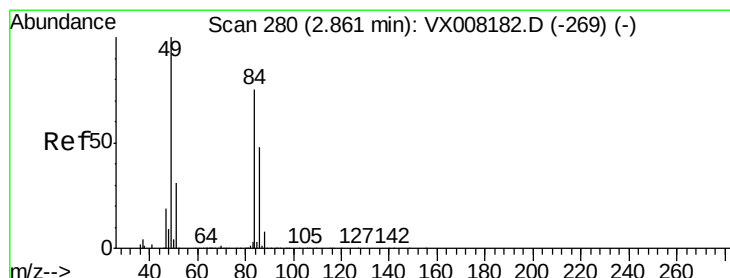
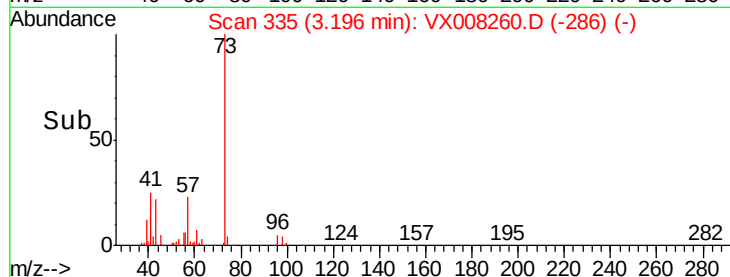
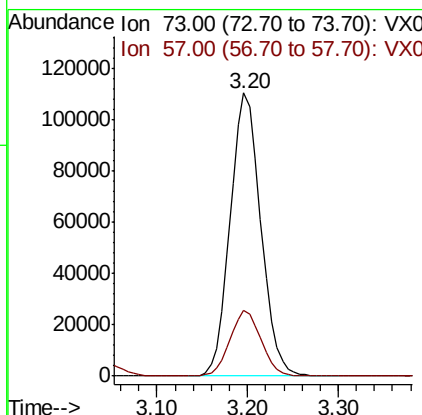
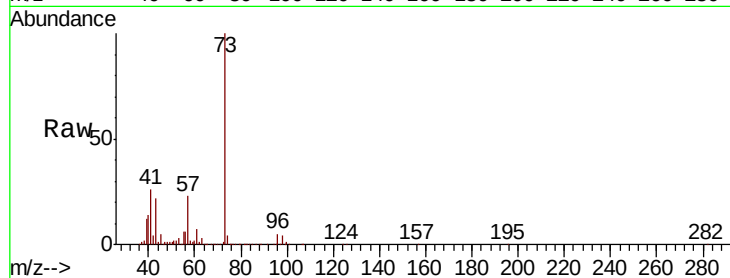
Methyl tert-butyl Ether
 Concen: 21.146 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. -0.00 min
 Lab File: VX008260.D
 Acq: 20 Mar 2019 23:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0320WBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.4	18.2	27.4

Manual Integrations
 APPROVED

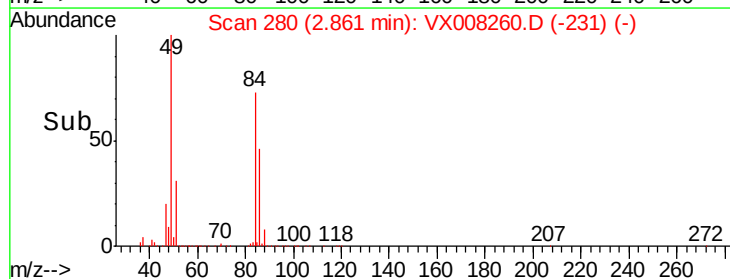
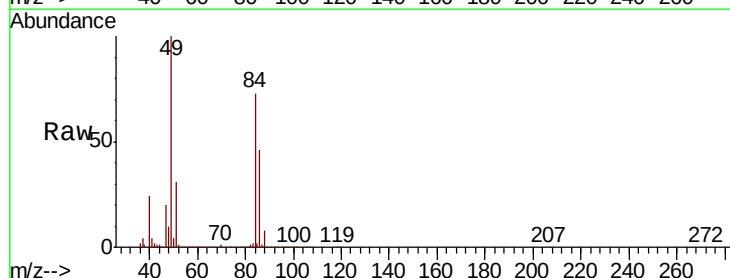
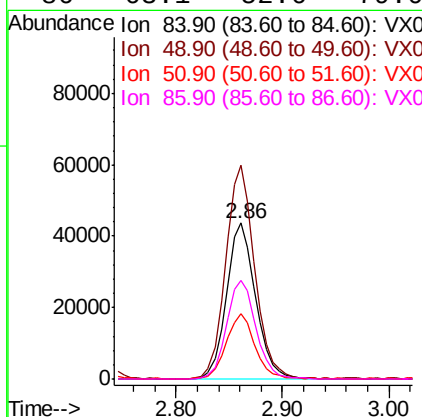
MMDadoda
 3/22/2019 5:34:12 PM

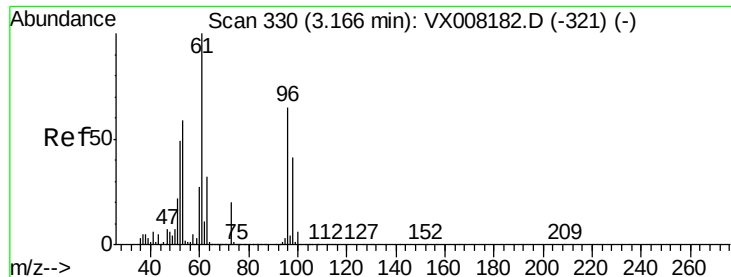


#20

Methylene Chloride
 Concen: 21.028 ug/l
 RT: 2.86 min Scan# 280
 Delta R.T. -0.00 min
 Lab File: VX008260.D
 Acq: 20 Mar 2019 23:32

Tgt Ion	Ratio	Lower	Upper
84	100		
49	136.5	99.3	148.9
51	41.4	31.3	46.9
86	63.1	52.6	79.0





#21

trans-1,2-Dichloroethene

Concen: 20.608 ug/l

RT: 3.17 min Scan# 331

Delta R.T. 0.01 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

Instrument :

MSVOA_X

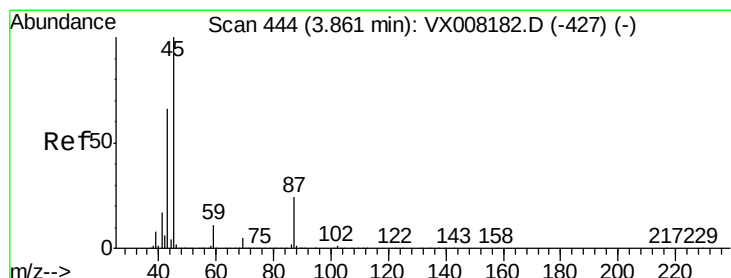
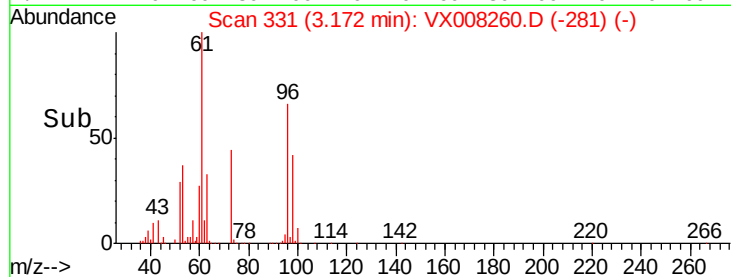
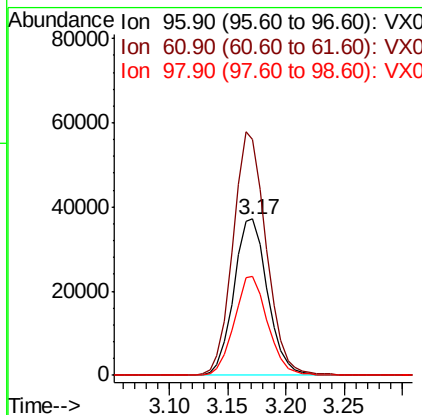
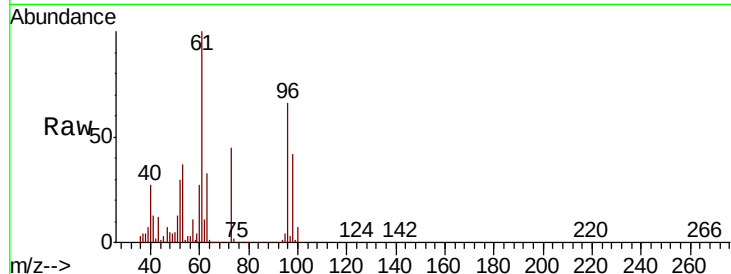
ClientSampleId :

VX0320WBS02

Tot Ion:	96	Resp:	75212
Ion	Ratio	Lower	Upper
96	100		
61	150.6	114.4	171.6
98	63.6	51.1	76.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.187 ug/l

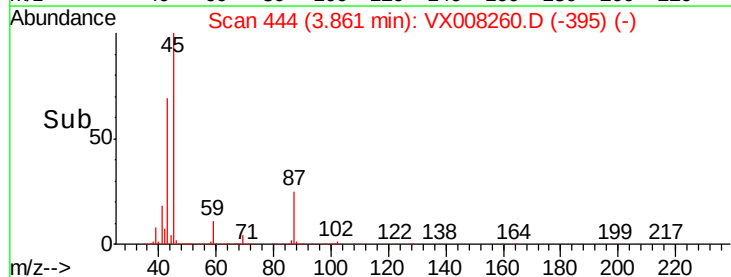
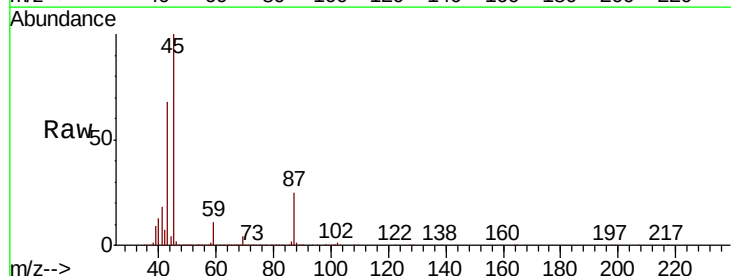
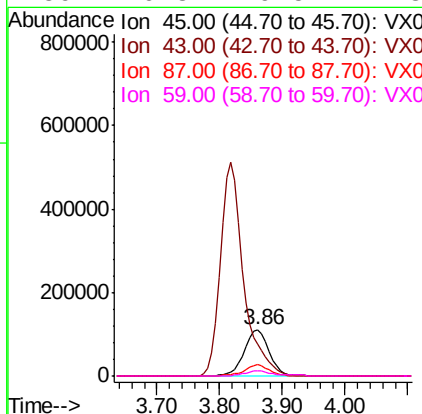
RT: 3.86 min Scan# 444

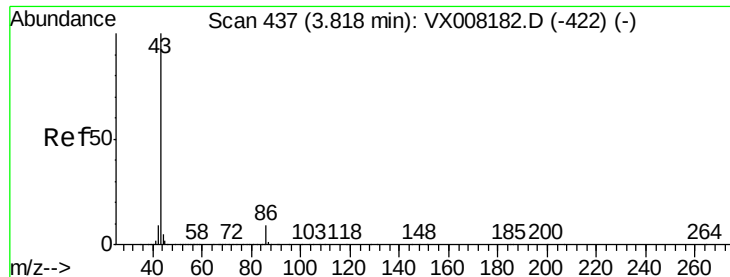
Delta R.T. -0.00 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

Tgt Ion:	45	Resp:	305164
Ion	Ratio	Lower	Upper
45	100		
43	68.4	45.3	67.9#
87	24.6	21.4	32.0
59	10.8	9.5	14.3





#23

Vinyl Acetate

Concen: 105.958 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBS02

Tot Ion: 43 Resp: 1308469

Ion Ratio Lower Upper

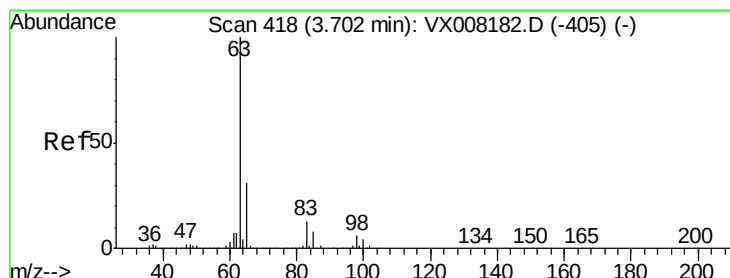
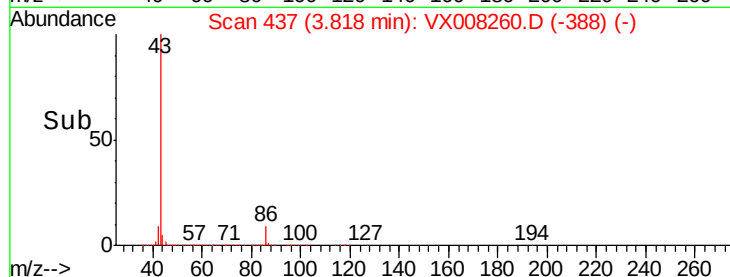
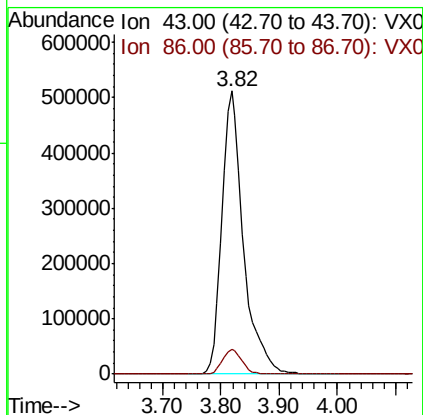
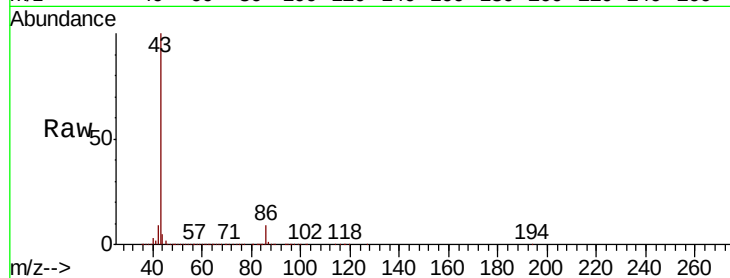
43 100

86 8.8 7.9 11.9

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 21.102 ug/l

RT: 3.70 min Scan# 418

Delta R.T. -0.00 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

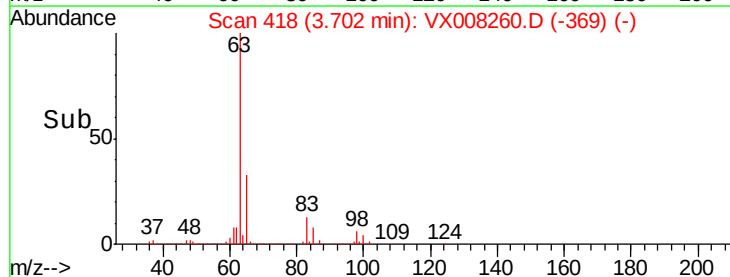
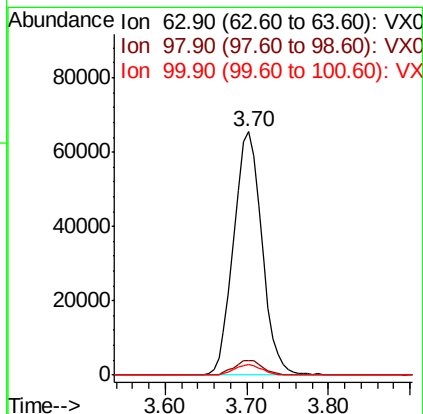
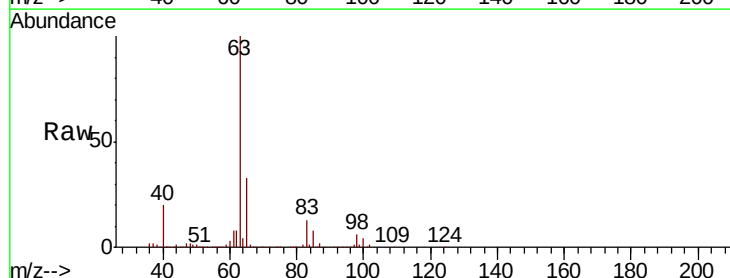
Tgt Ion: 63 Resp: 156328

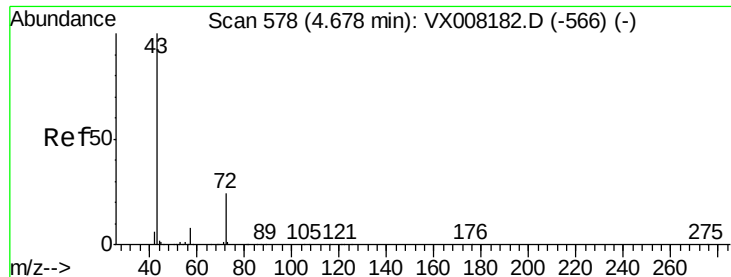
Ion Ratio Lower Upper

63 100

98 6.0 3.3 9.8

100 4.4 2.3 6.8





#25

2-Butanone

Concen: 105.498 ug/l

RT: 4.68 min Scan# 578

Delta R.T. -0.00 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBS02

Tot Ion: 43 Resp: 370389

Ion Ratio Lower Upper

43 100

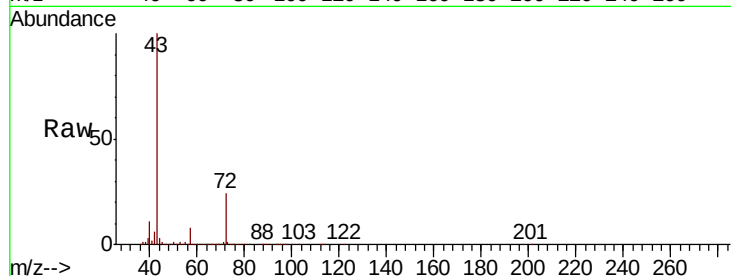
72 24.3 19.9 29.9

Manual Integrations

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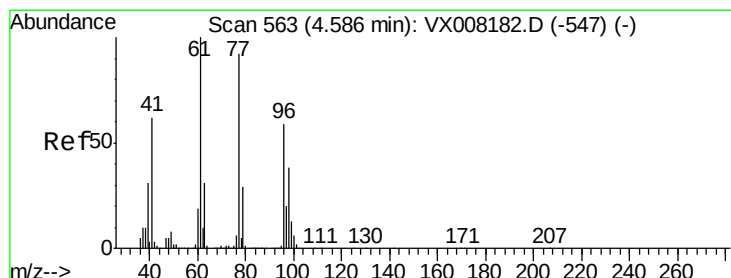
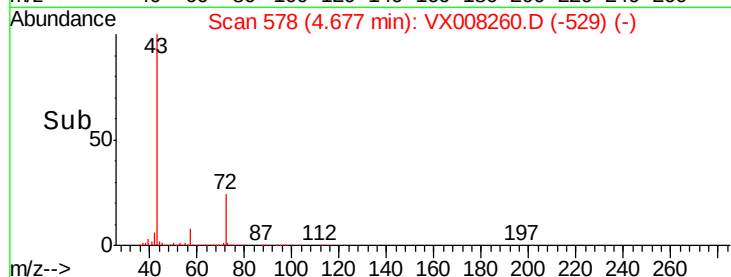
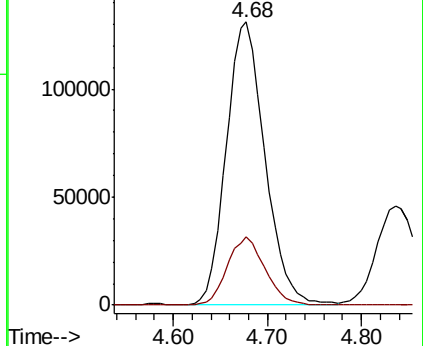
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 16.120 ug/l

RT: 4.59 min Scan# 564

Delta R.T. 0.01 min

Lab File: VX008260.D

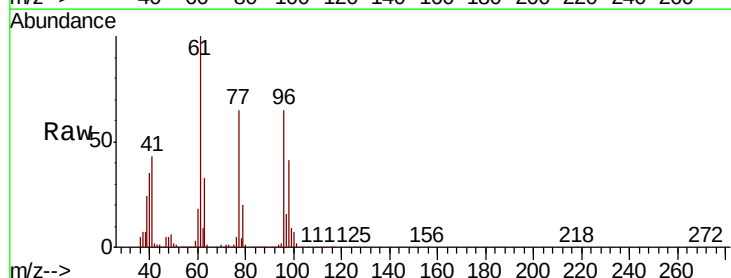
Acq: 20 Mar 2019 23:32

Tgt Ion: 77 Resp: 89963

Ion Ratio Lower Upper

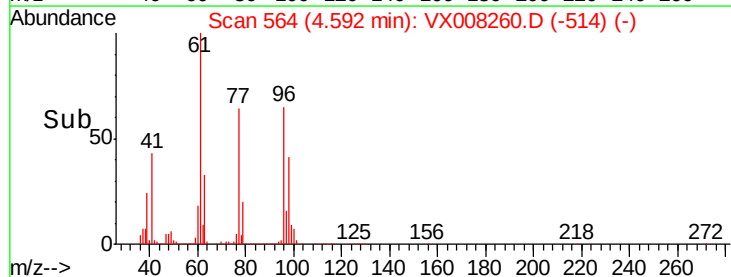
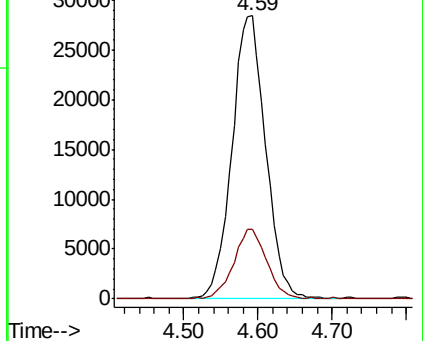
77 100

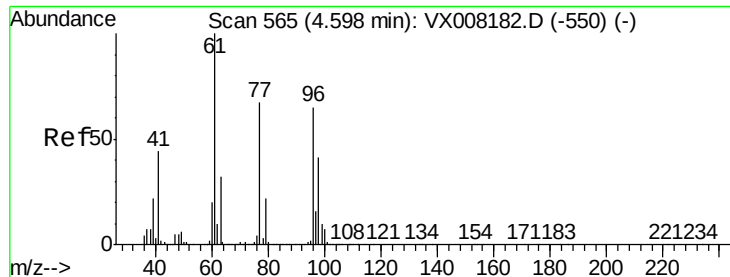
97 24.0 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

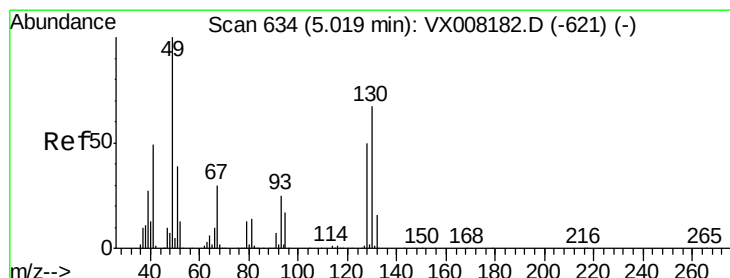
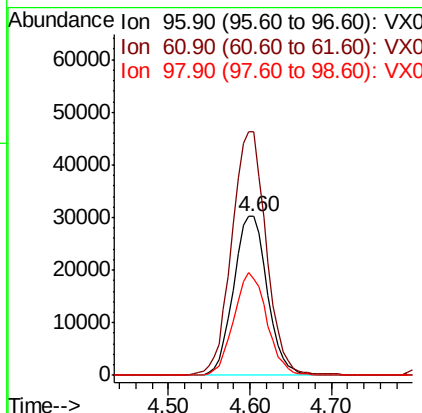
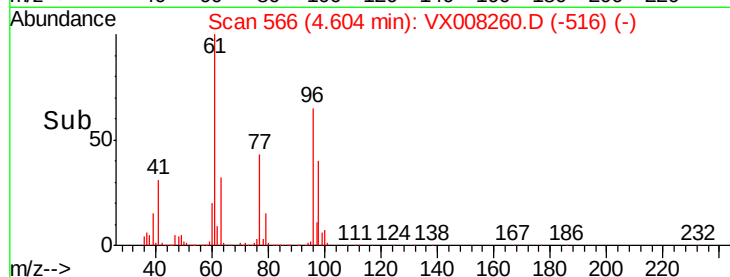
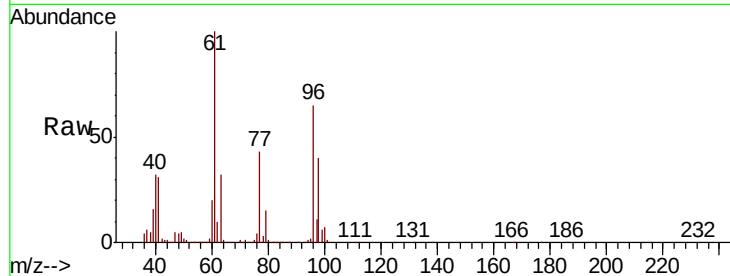
cis-1,2-Dichloroethene
Concen: 20.851 ug/l
RT: 4.60 min Scan# 566
Delta R.T. 0.01 min
Lab File: VX008260.D
Acq: 20 Mar 2019 23:32

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	86755		
61	156.7		0.0	288.0
98	63.4		0.0	129.0

Manual Integrations
APPROVED

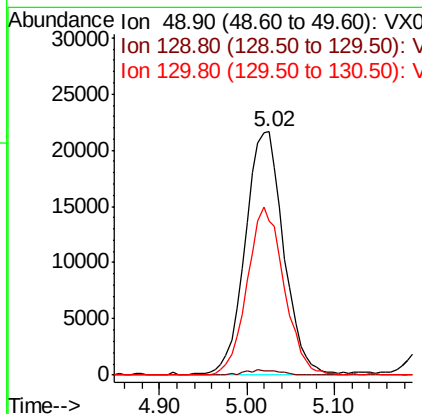
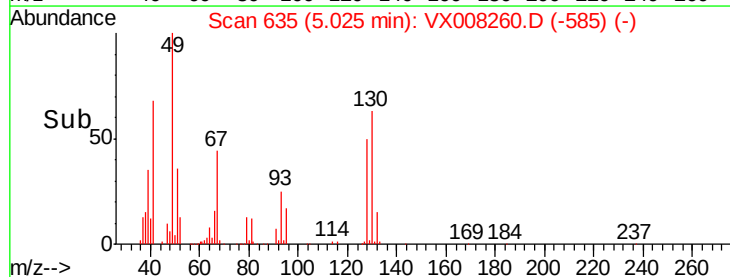
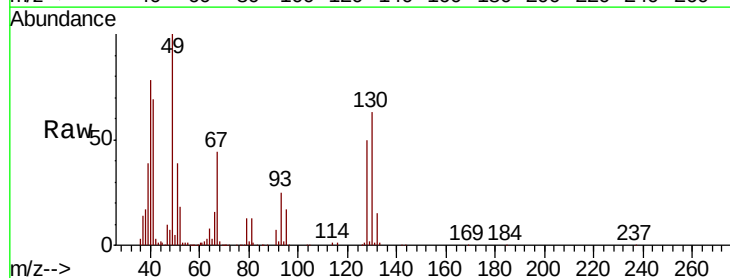
MMDadoda
3/22/2019 5:34:12 PM

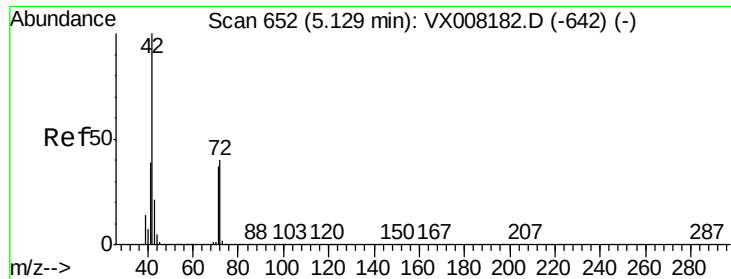


#28

Bromochloromethane
Concen: 19.869 ug/l
RT: 5.02 min Scan# 635
Delta R.T. 0.01 min
Lab File: VX008260.D
Acq: 20 Mar 2019 23:32

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	66093		
129	1.9		0.0	4.0
130	66.3		65.0	97.4





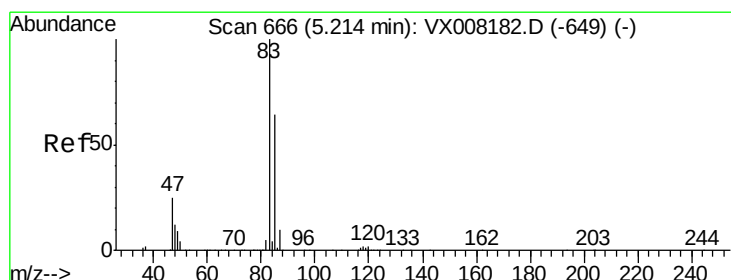
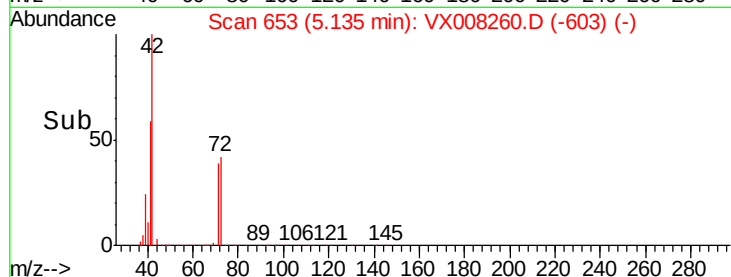
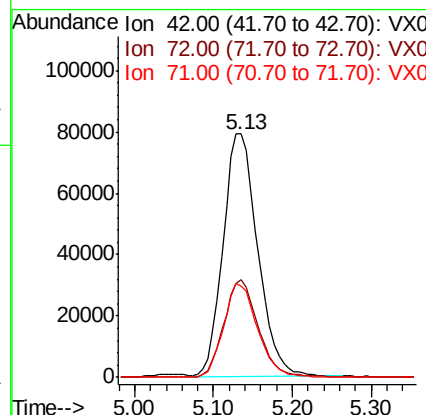
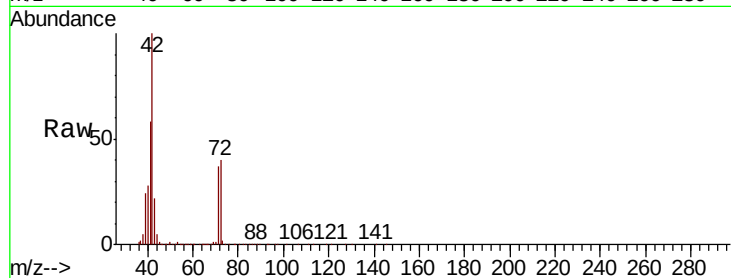
#29
Tetrahydrofuran
Concen: 110.156 ug/l
RT: 5.13 min Scan# 653
Delta R.T. 0.01 min
Lab File: VX008260.D
Acq: 20 Mar 2019 23:32

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.3	33.8	50.6
71	38.0	31.5	47.3

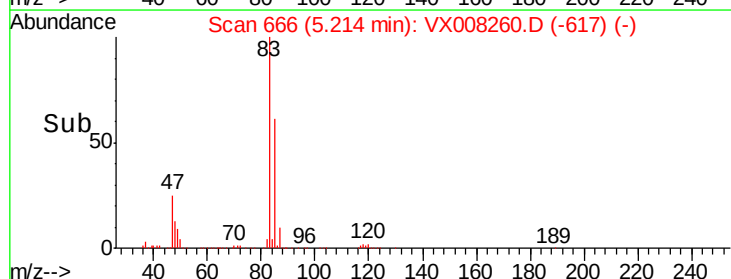
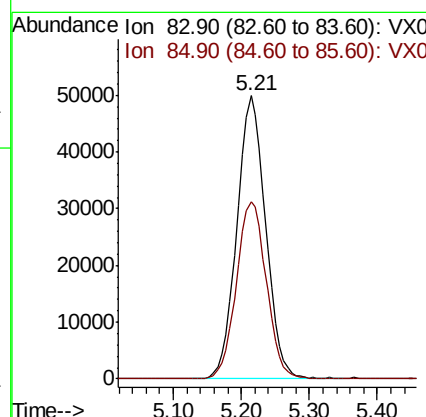
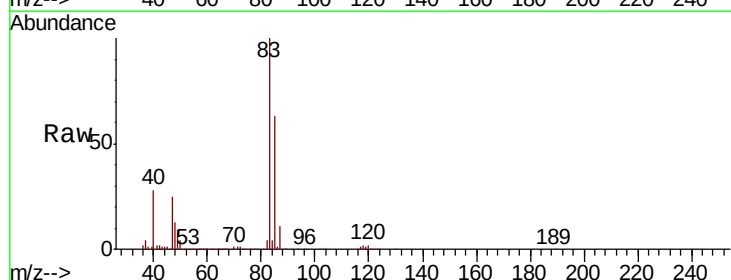
Manual Integrations
APPROVED

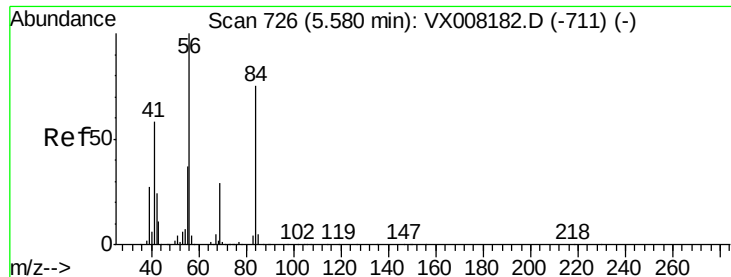
MMDadoda
3/22/2019 5:34:12 PM



#30
Chloroform
Concen: 21.169 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX008260.D
Acq: 20 Mar 2019 23:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.7	51.8	77.6





#31

Cyclohexane

Concen: 19.933 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

Instrument :

MSVOA_X

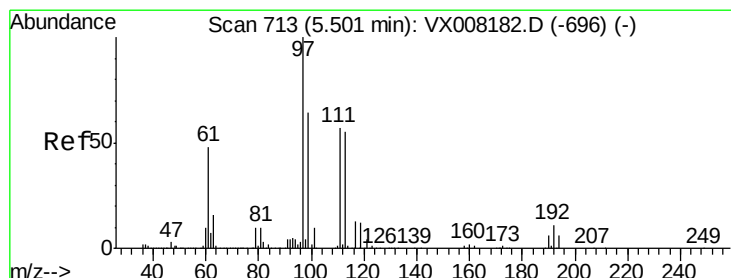
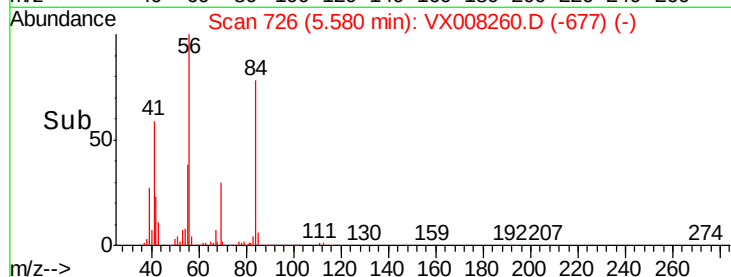
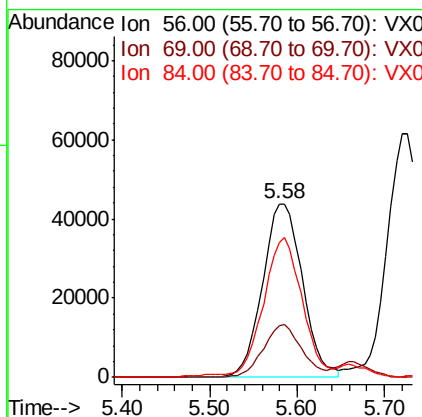
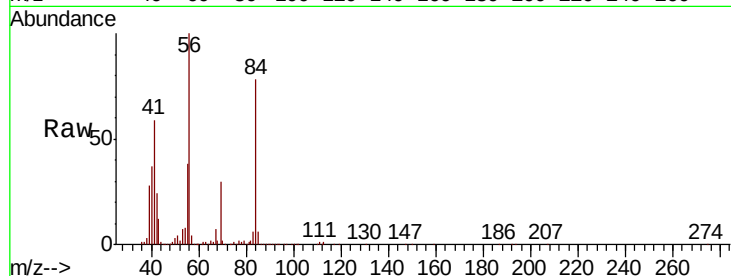
ClientSampleId :

VX0320WBS02

Tot Ion:	56	Resp:	138664
Ion	Ratio	Lower	Upper
56	100		
69	29.9	24.0	36.0
84	77.0	65.3	97.9

Manual Integrations
APPROVED

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3/22/2019 5:34:12 PM



#32

1,1,1-Trichloroethane

Concen: 20.821 ug/l

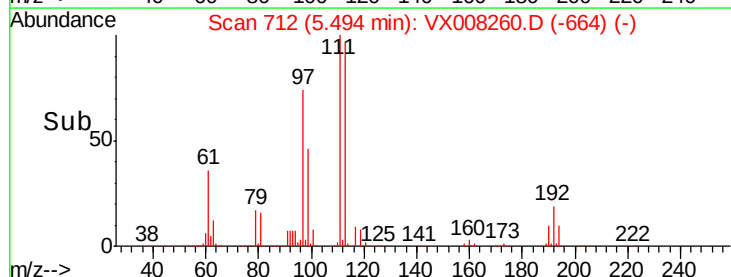
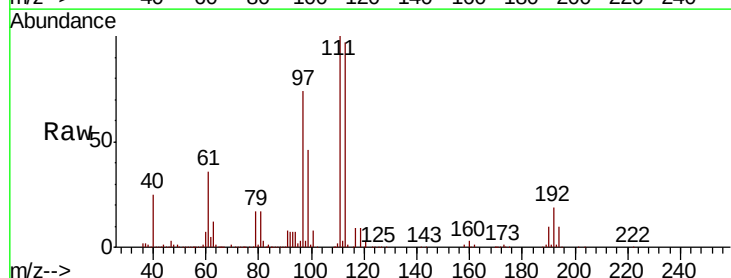
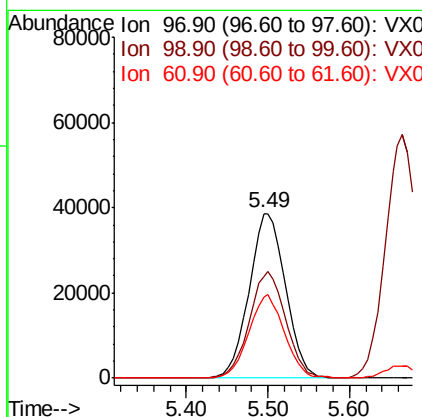
RT: 5.49 min Scan# 712

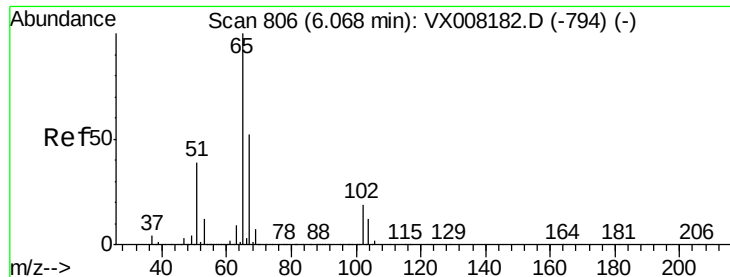
Delta R.T. -0.01 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

Tgt Ion:	97	Resp:	120022
Ion	Ratio	Lower	Upper
97	100		
99	64.5	52.2	78.2
61	50.0	34.9	52.3





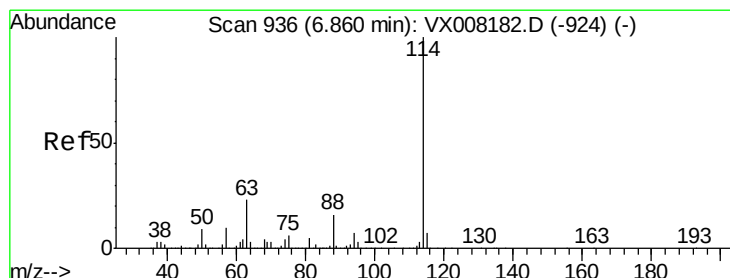
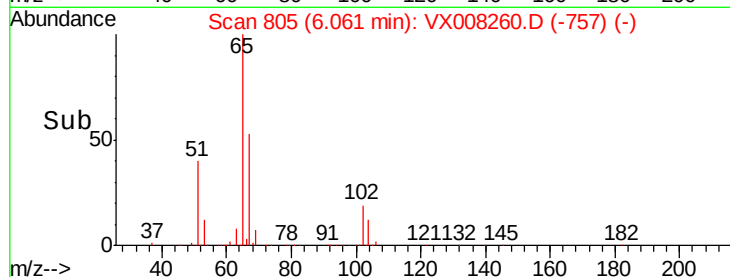
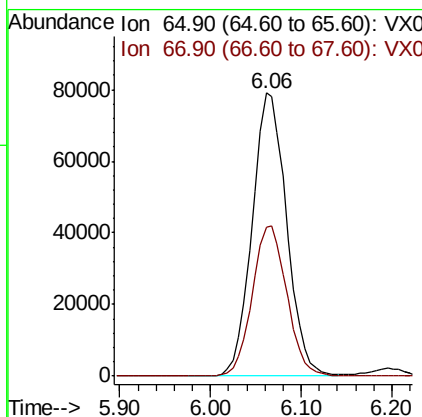
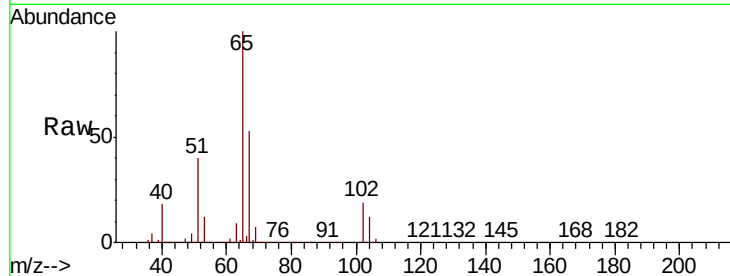
#33
 1,2-Dichloroethane-d4
 Concen: 49.440 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX008260.D
 Acq: 20 Mar 2019 23:32

Instrument :
 MSVOA_X
 ClientSampled :
 VX0320WBS02

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	110.0

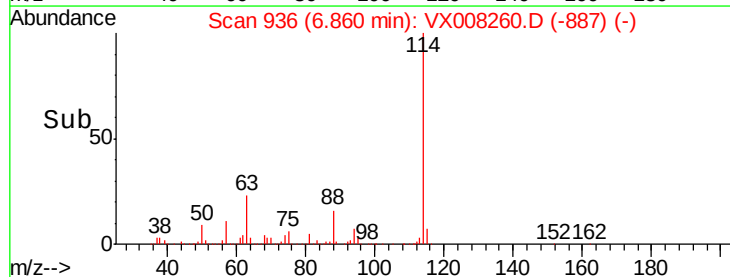
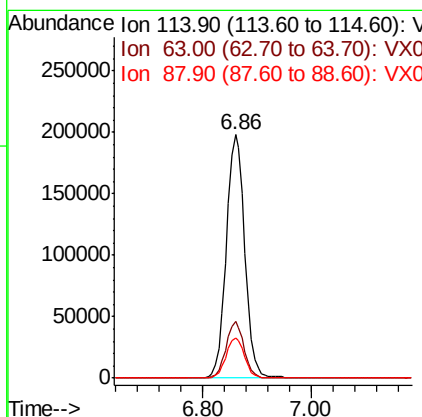
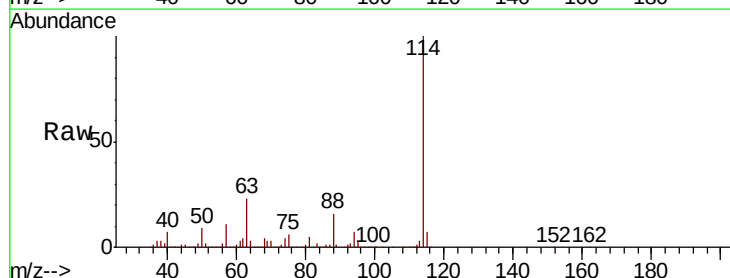
Manual Integrations
 APPROVED

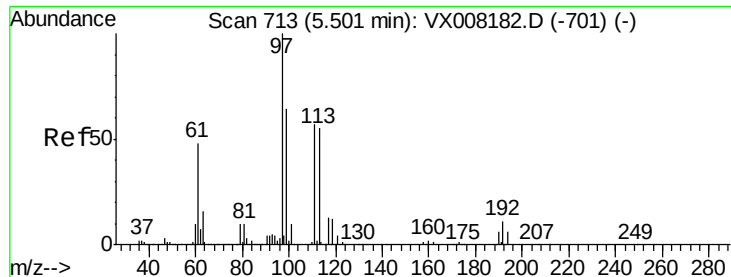
MMDadoda
 3/22/2019 5:34:12 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008260.D
 Acq: 20 Mar 2019 23:32

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.3	0.0	39.8
88	16.3	0.0	31.4





#35

Dibromofluoromethane

Concen: 49.638 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

Instrument :

MSVOA_X

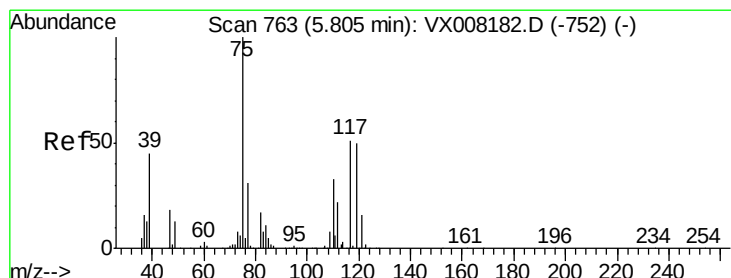
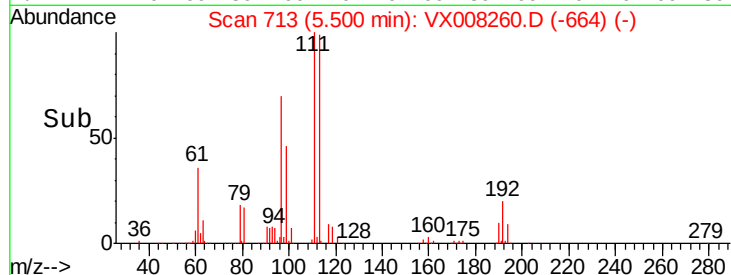
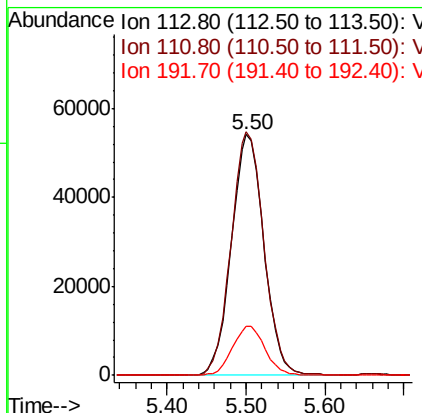
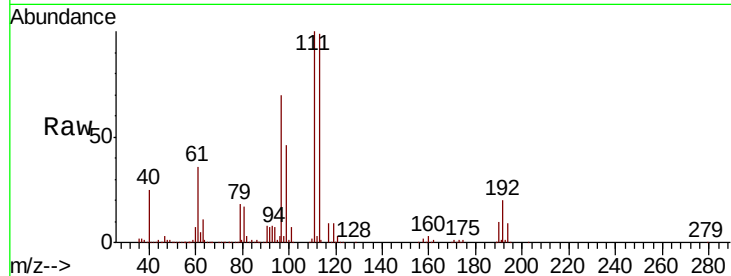
ClientSampleId :

VX0320WBS02

Tot Ion:	113	Resp:	155248
Ion Ratio	Lower	Upper	
113	100		
111	101.7	81.4	122.0
192	20.6	19.4	29.0

Manual Integrations
APPROVED

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3/22/2019 5:34:12 PM



#36

1,1-Dichloropropene

Concen: 20.217 ug/l

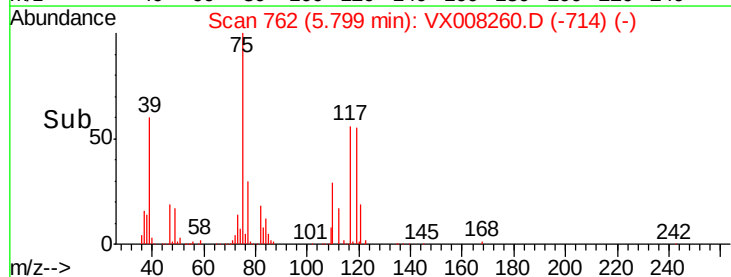
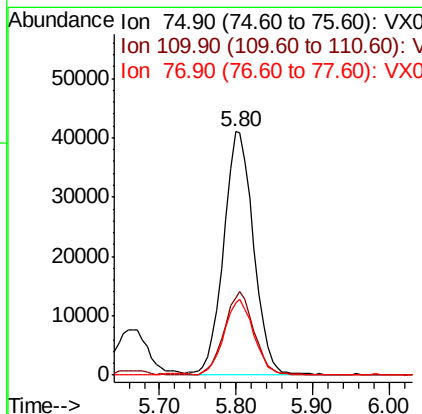
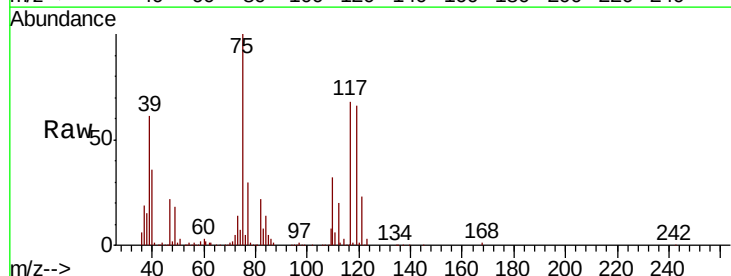
RT: 5.80 min Scan# 762

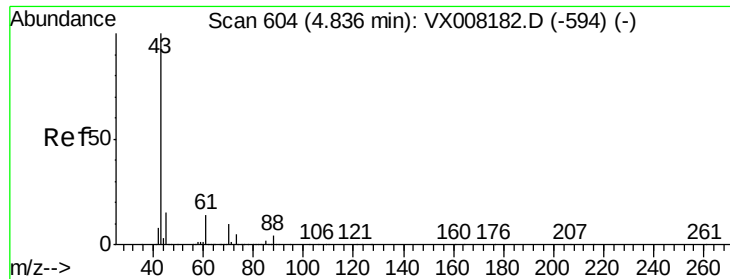
Delta R.T. -0.01 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

Tgt Ion:	75	Resp:	109967
Ion Ratio	Lower	Upper	
75	100		
110	34.0	18.4	55.0
77	30.6	25.0	37.4





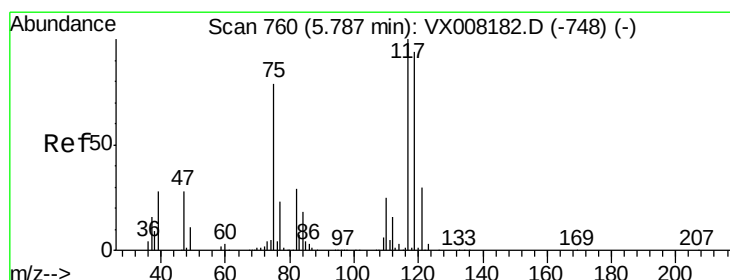
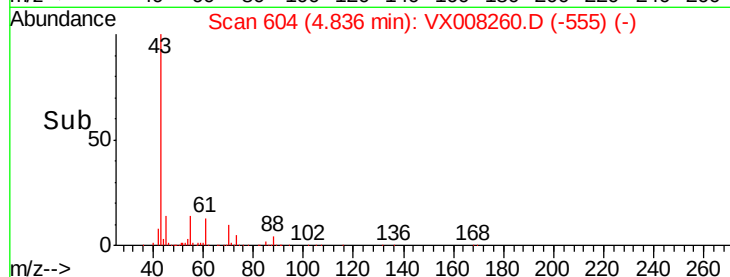
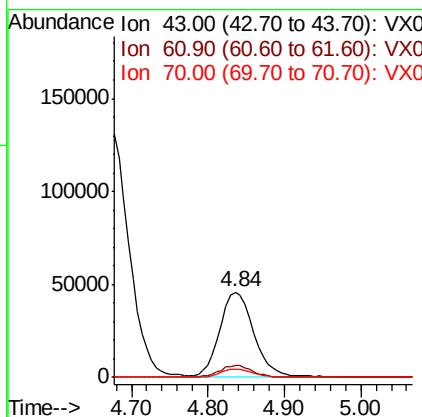
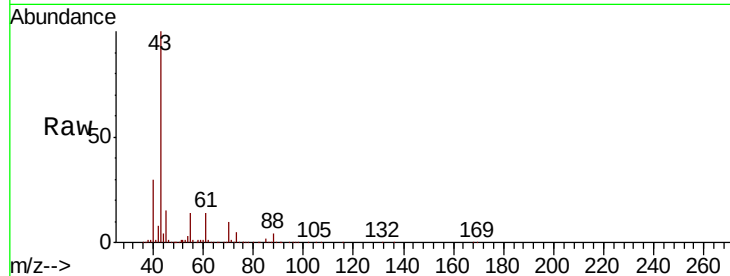
#37
Ethyl Acetate
Concen: 21.702 ug/l
RT: 4.84 min Scan# 604
Delta R.T. -0.00 min
Lab File: VX008260.D
Acq: 20 Mar 2019 23:32

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.9	11.3	16.9
70	9.6	8.5	12.7

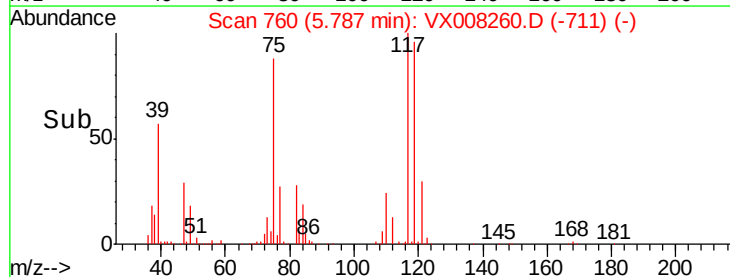
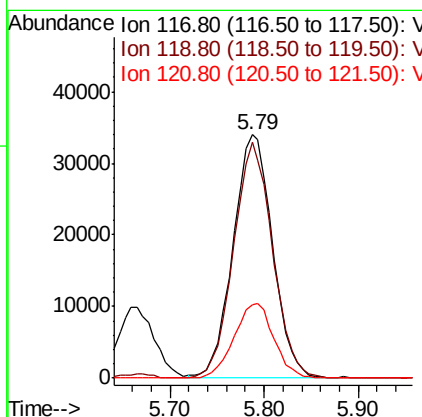
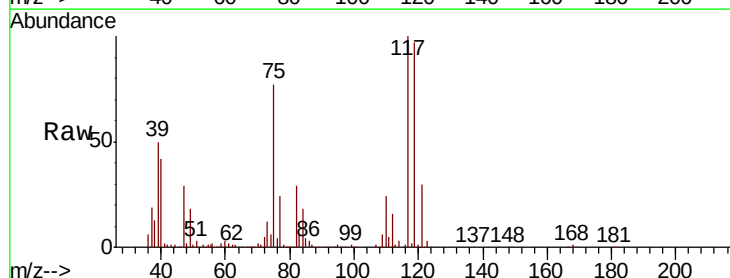
Manual Integrations
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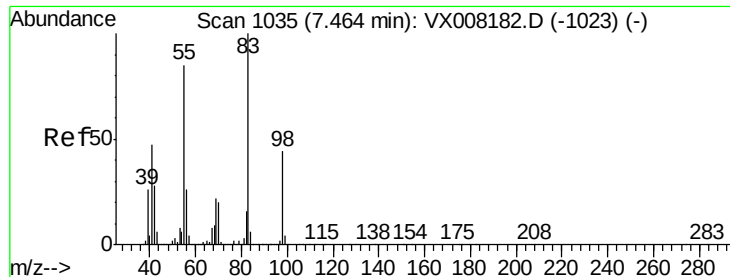
MMDadoda
3/22/2019 5:34:12 PM



#38
Carbon Tetrachloride
Concen: 20.496 ug/l
RT: 5.79 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX008260.D
Acq: 20 Mar 2019 23:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.0	76.2	114.2
121	30.2	24.6	36.8





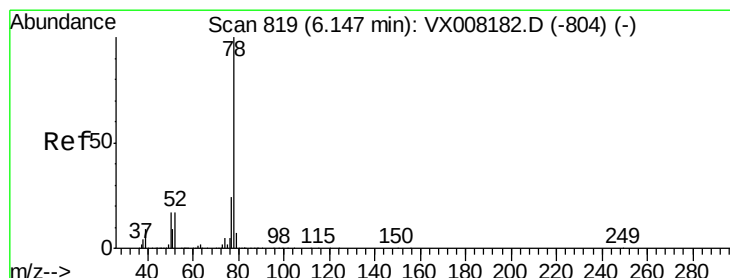
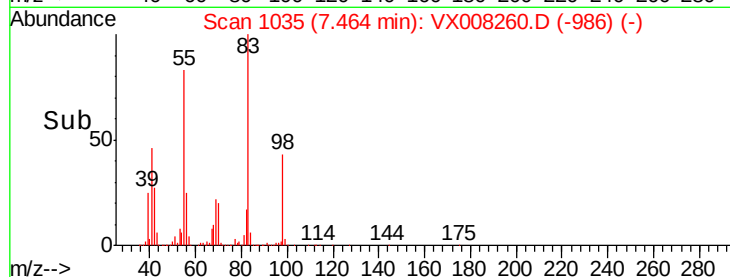
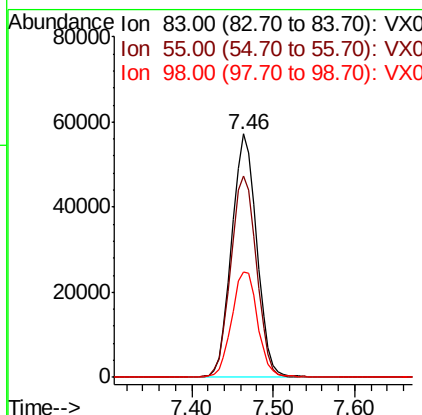
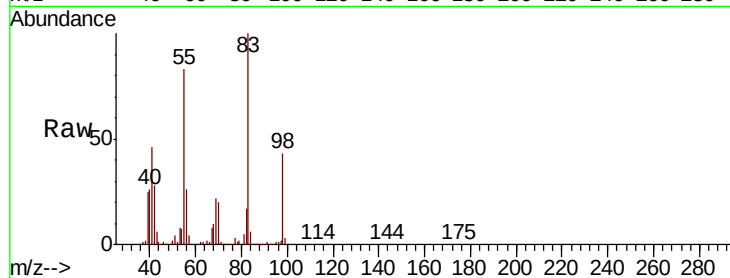
#39
Methylvlcyclohexane
Concen: 18.510 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX008260.D
Acq: 20 Mar 2019 23:32

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS02

Tot Ion	Ratio	Resp	Lower	Upper
83	100	121163		
55	82.7	60.4	90.6	
98	43.3	36.5	54.7	

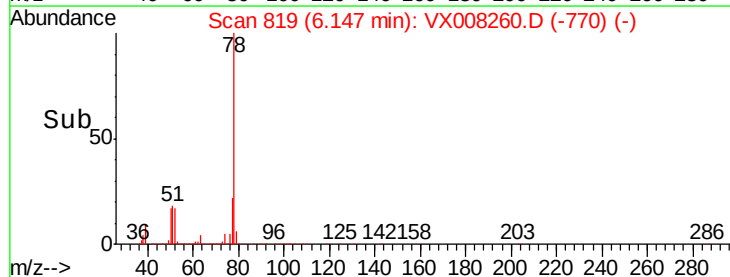
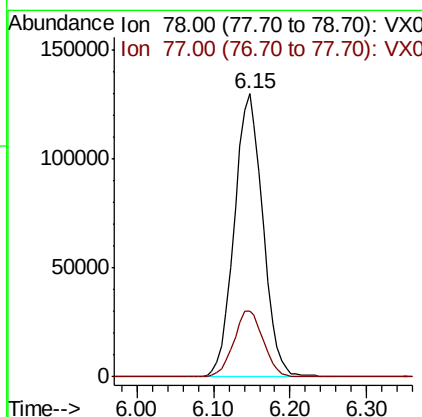
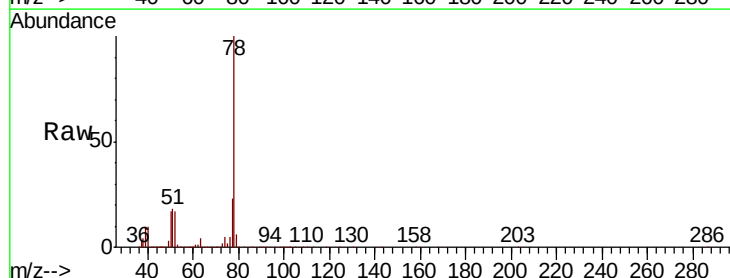
Manual Integrations
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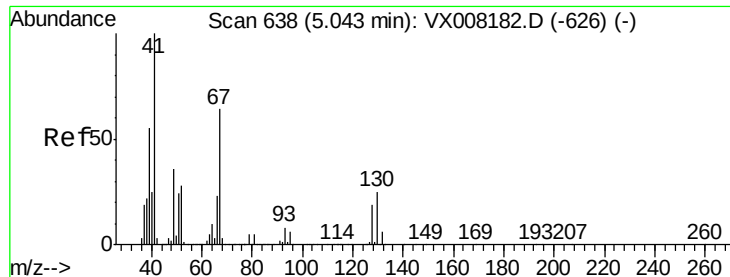
MMDadoda
3/22/2019 5:34:12 PM



#40
Benzene
Concen: 20.861 ug/l
RT: 6.15 min Scan# 819
Delta R.T. -0.00 min
Lab File: VX008260.D
Acq: 20 Mar 2019 23:32

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	335844		
77	23.1	19.0	28.4	





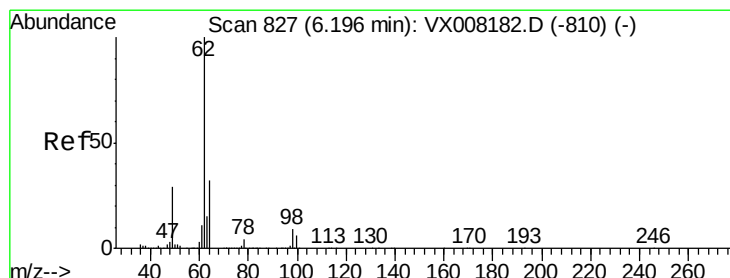
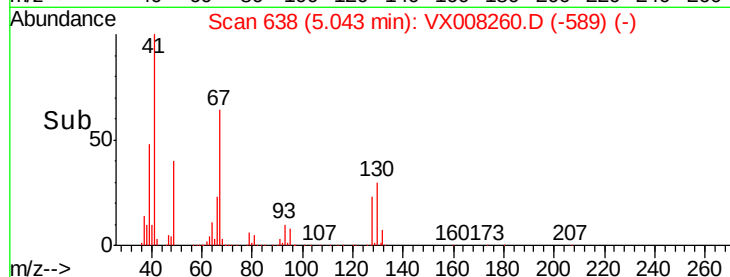
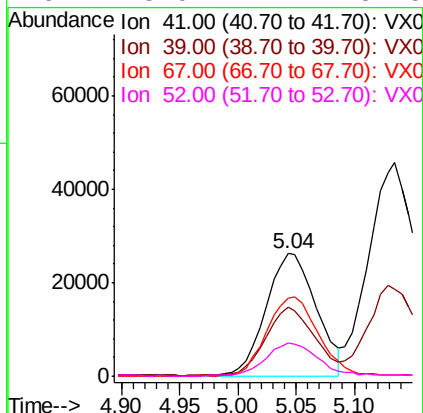
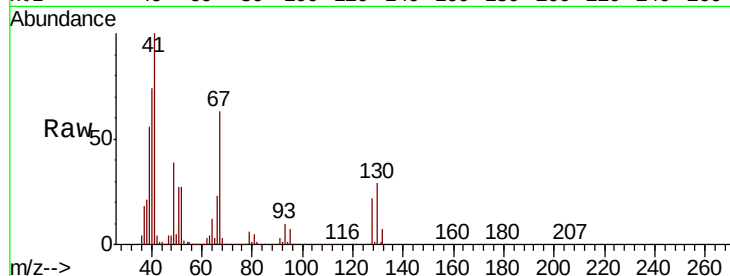
#41
Methacrylonitrile
Concen: 21.624 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX008260.D
Acq: 20 Mar 2019 23:32

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.3	41.6	62.4	
67	66.8	55.8	83.6	
52	28.0	21.7	32.5	

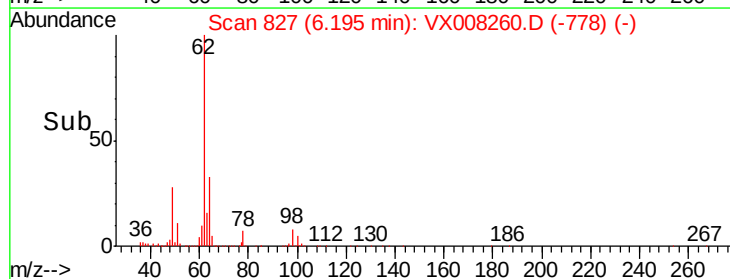
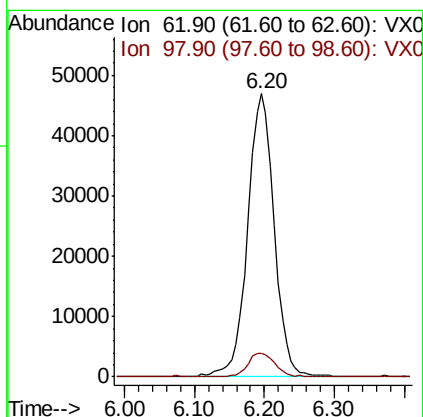
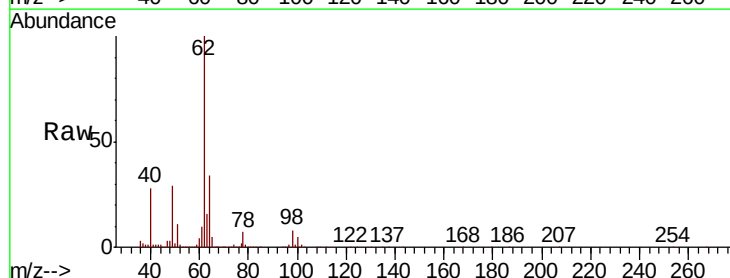
Manual Integrations
APPROVED

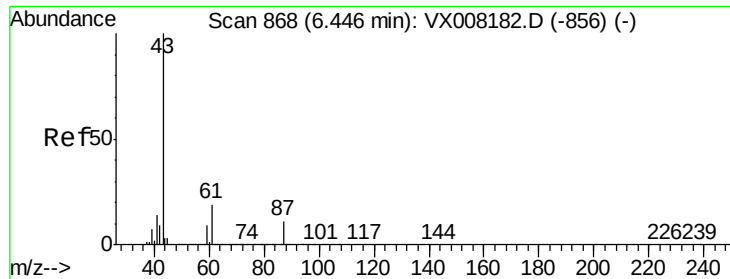
MMDadoda
3/22/2019 5:34:12 PM



#42
1,2-Dichloroethane
Concen: 20.811 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX008260.D
Acq: 20 Mar 2019 23:32

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.9	0.0	20.4	





#43

Isopropyl Acetate

Concen: 21.238 ug/l

RT: 6.45 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

Instrument :

MSVOA_X

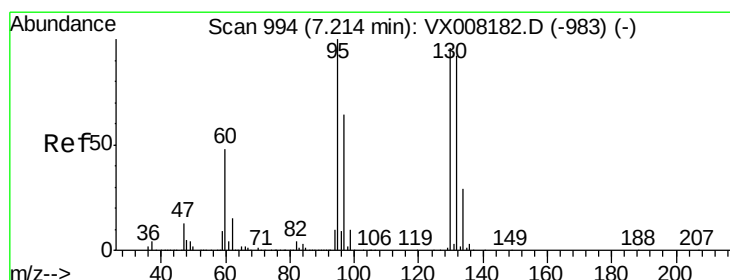
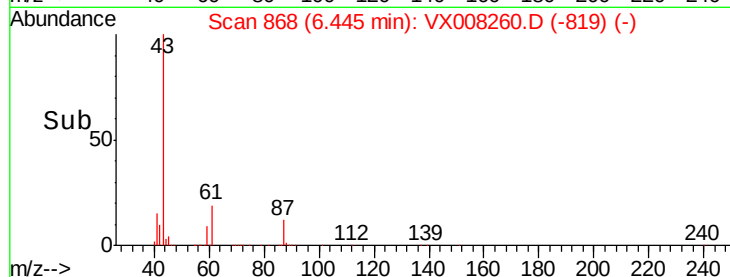
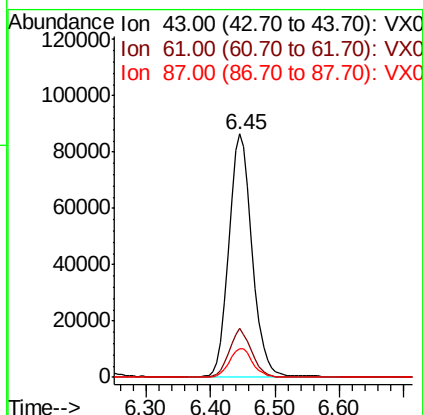
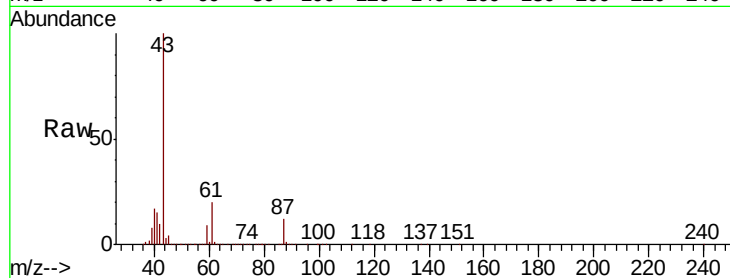
ClientSampleId :

VX0320WBS02

Tot Ion:	43	Resp:	218888
Ion	Ratio	Lower	Upper
43	100		
61	19.4	16.3	24.5
87	11.9	10.5	15.7

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#44

Trichloroethene

Concen: 20.471 ug/l

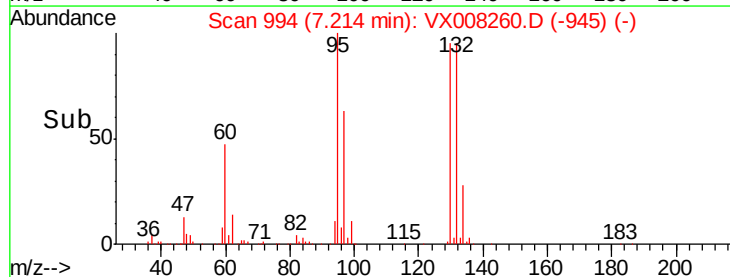
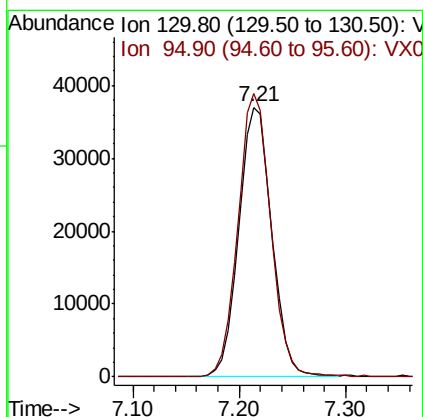
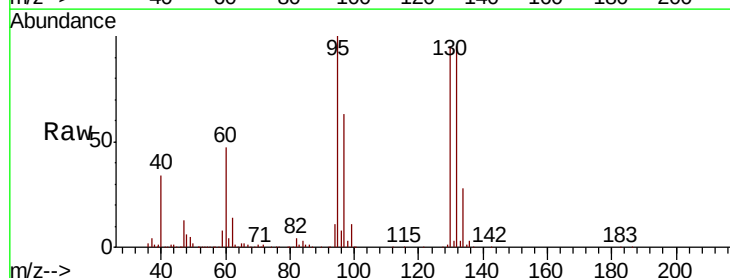
RT: 7.21 min Scan# 994

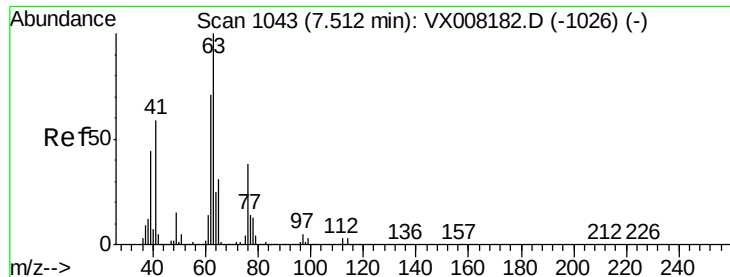
Delta R.T. -0.00 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

Tgt Ion:	130	Resp:	80583
Ion	Ratio	Lower	Upper
130	100		
95	105.1	0.0	188.0





#45

1,2-Dichloropropane

Concen: 20.785 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBS02

Tot Ion: 63 Resp: 93675

Ion Ratio Lower Upper

63 100

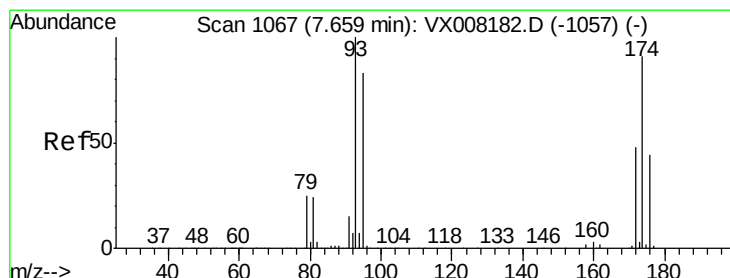
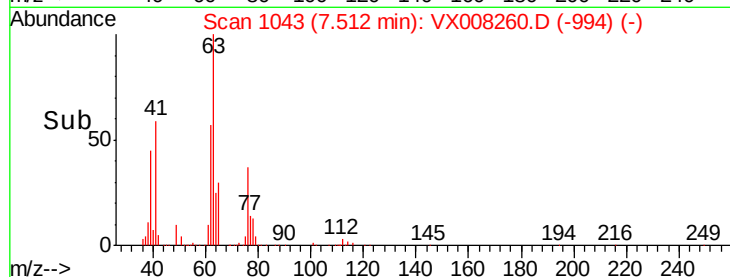
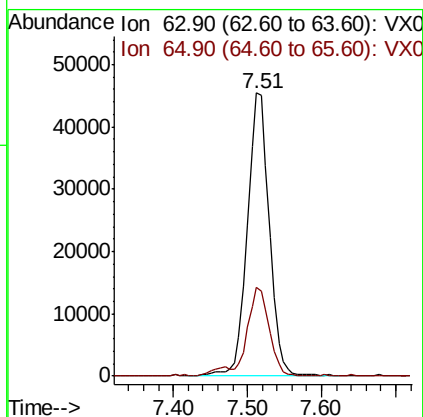
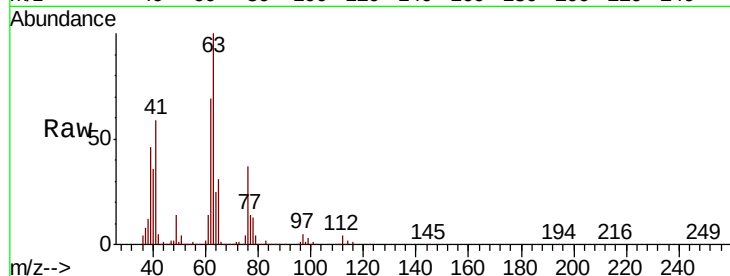
65 31.2 24.7 37.1

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#46

Dibromomethane

Concen: 20.551 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

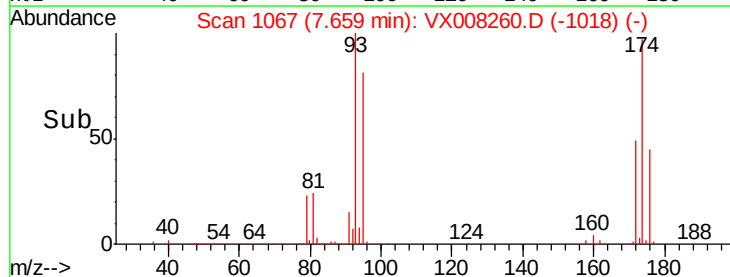
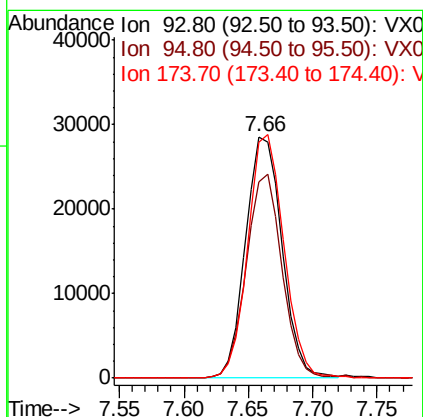
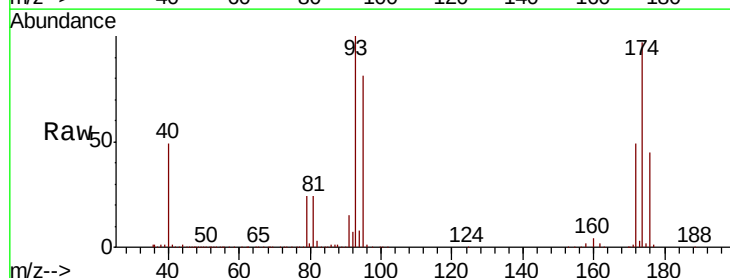
Tgt Ion: 93 Resp: 56080

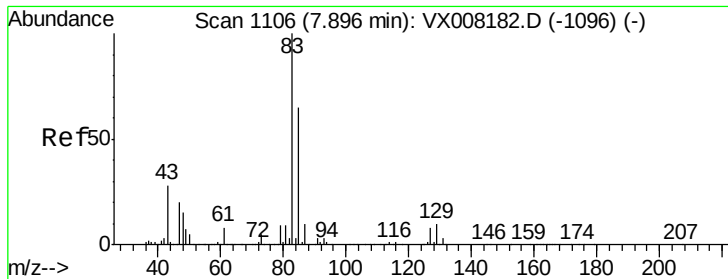
Ion Ratio Lower Upper

93 100

95 83.5 66.8 100.2

174 99.6 97.3 145.9





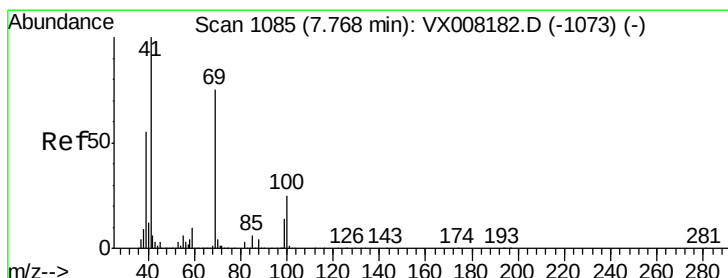
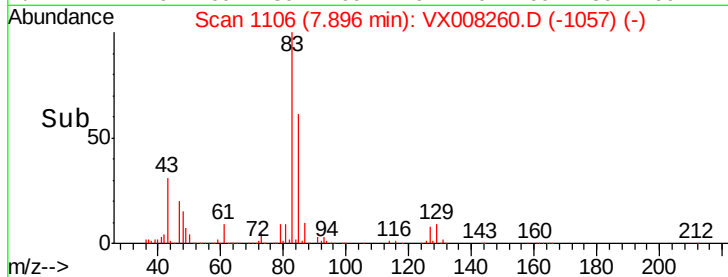
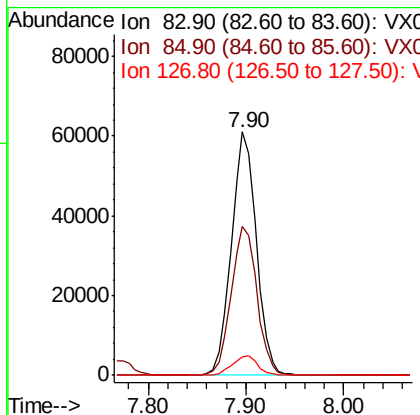
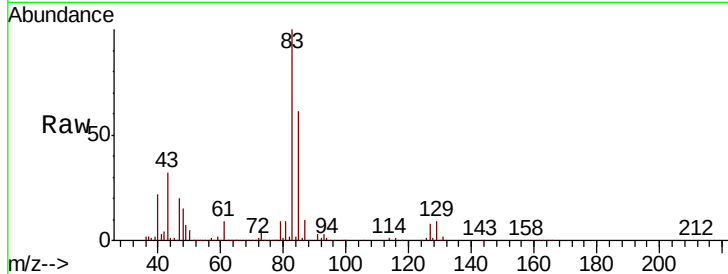
#47
 Bromodichloromethane
 Concen: 20.776 ug/l
 RT: 7.90 min Scan# 1106
 Delta R.T. -0.00 min
 Lab File: VX008260.D
 Acq: 20 Mar 2019 23:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0320WBS02

Tot Ion	83	Resp	108044
Ion Ratio	Lower	Upper	
83	100		
85	61.0	50.9	76.3
127	7.6	7.4	11.0

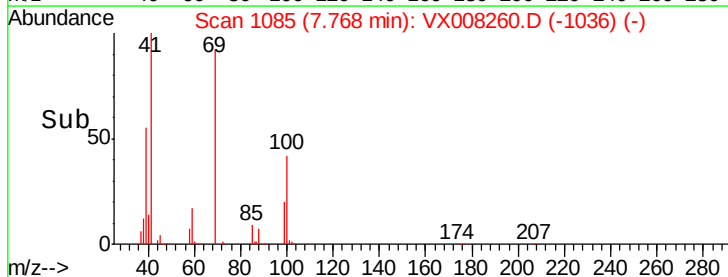
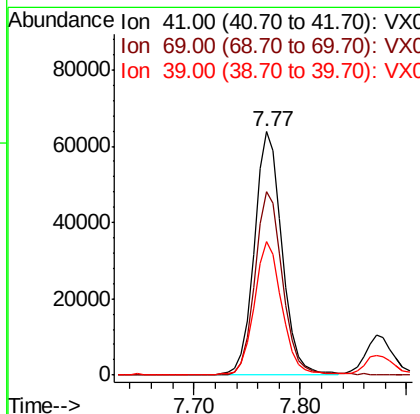
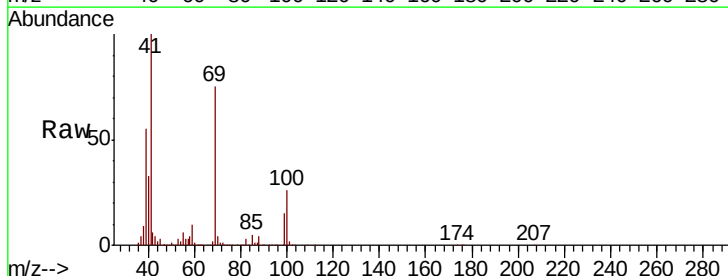
Manual Integrations
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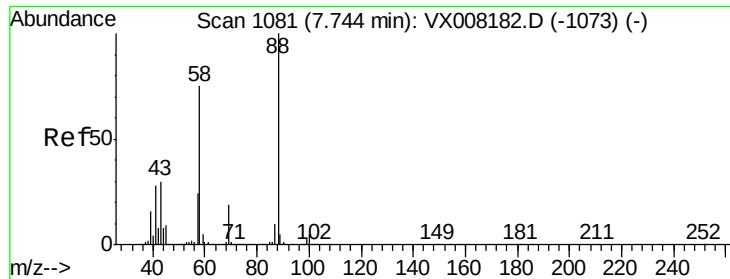
MMDadoda
 3/22/2019 5:34:12 PM



#48
 Methyl methacrylate
 Concen: 21.027 ug/l
 RT: 7.77 min Scan# 1085
 Delta R.T. -0.00 min
 Lab File: VX008260.D
 Acq: 20 Mar 2019 23:32

Tgt Ion	41	Resp	115232
Ion Ratio	Lower	Upper	
41	100		
69	75.7	65.2	97.8
39	55.0	39.4	59.2





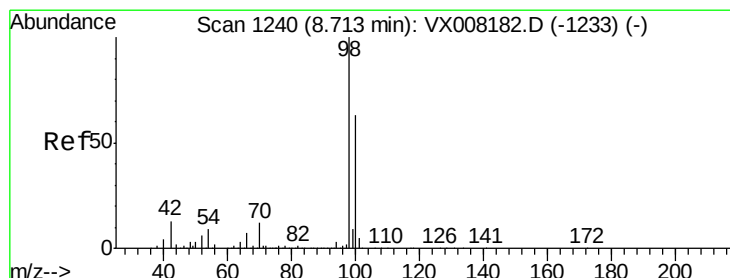
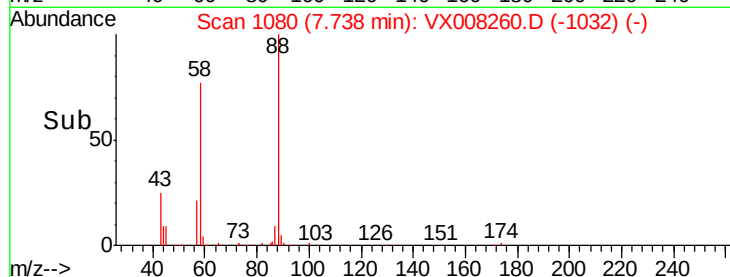
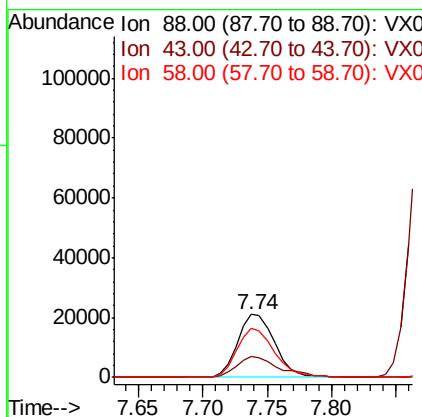
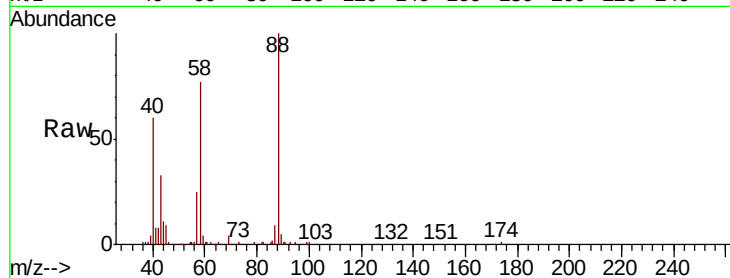
#49
1,4-Dioxane
Concen: 432.426 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.01 min
Lab File: VX008260.D
Acq: 20 Mar 2019 23:32

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.0	25.1	37.7
58	78.5	57.8	86.6

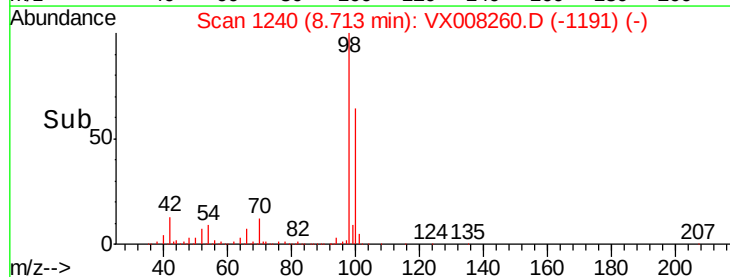
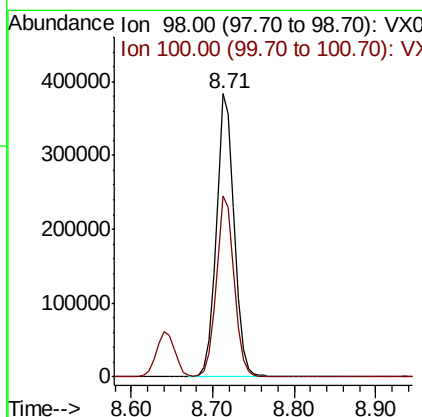
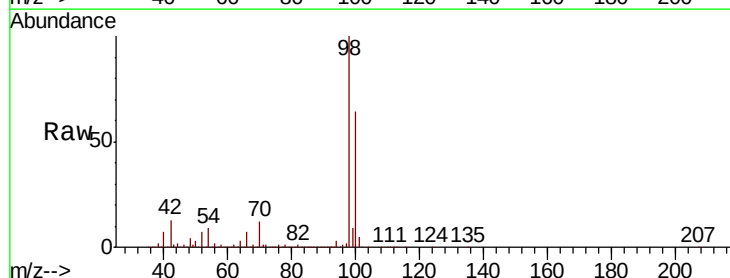
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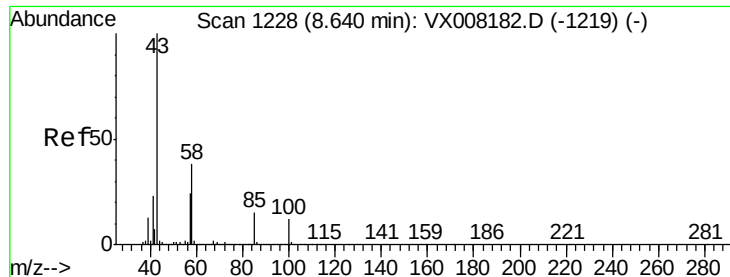
MMDadoda
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#50
Toluene-d8
Concen: 49.905 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008260.D
Acq: 20 Mar 2019 23:32

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 110.073 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

Instrument :

MSVOA_X

ClientSampled :

VX0320WBS02

Tot Ion: 43 Resp: 733423

Ion Ratio Lower Upper

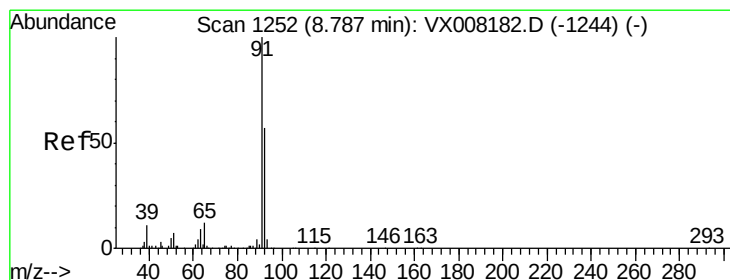
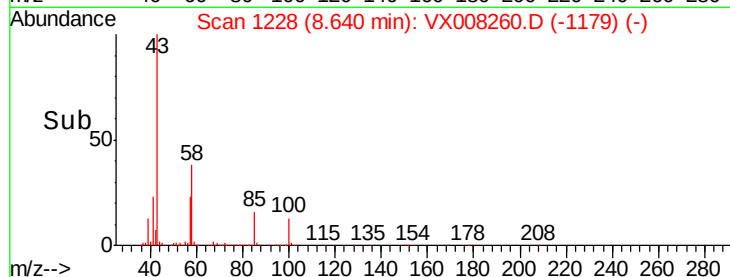
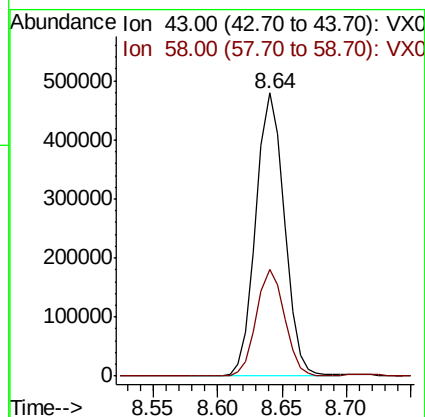
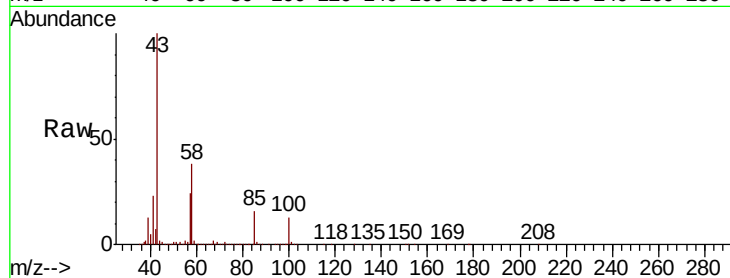
43 100

58 37.5 31.3 46.9

Manual Integrations
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#52

Toluene

Concen: 20.818 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX008260.D

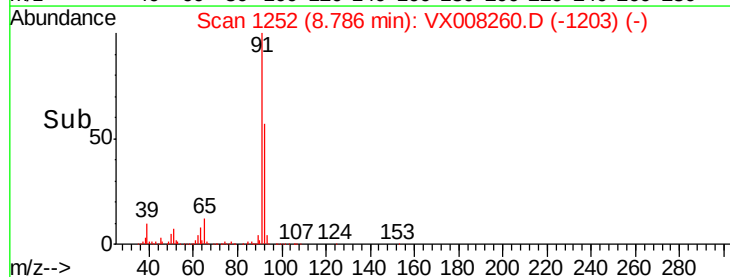
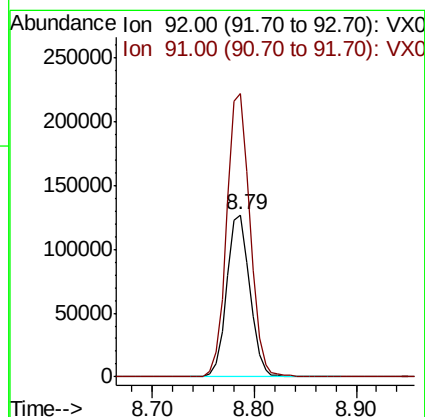
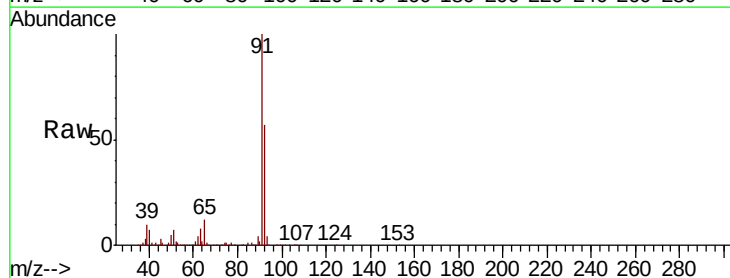
Acq: 20 Mar 2019 23:32

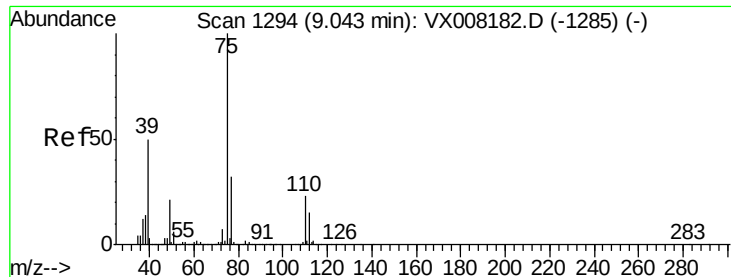
Tgt Ion: 92 Resp: 198836

Ion Ratio Lower Upper

92 100

91 176.1 137.4 206.0





#53

t-1,3-Dichloropropene

Concen: 18.260 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBS02

Tot Ion: 75 Resp: 112872

Ion Ratio Lower Upper

75 100

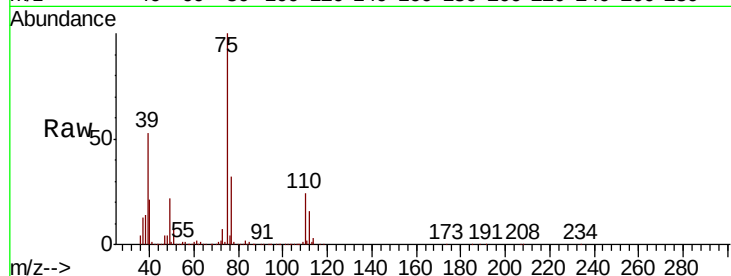
77 32.2 25.4 38.0

Manual Integrations

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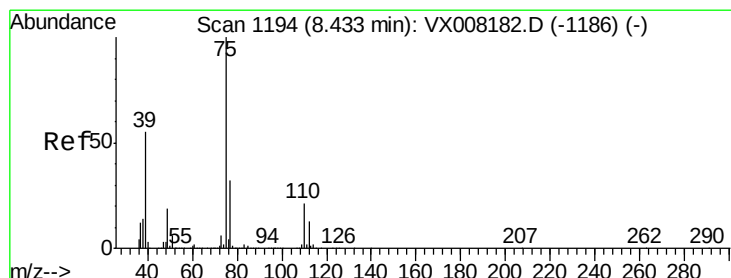
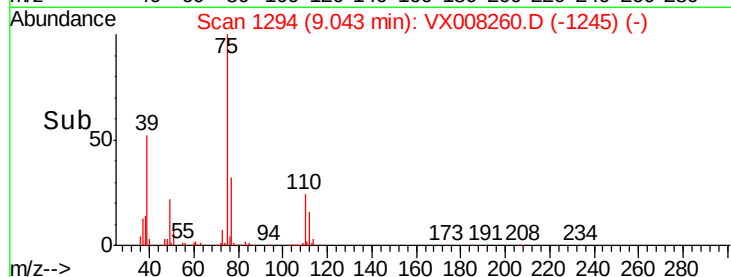
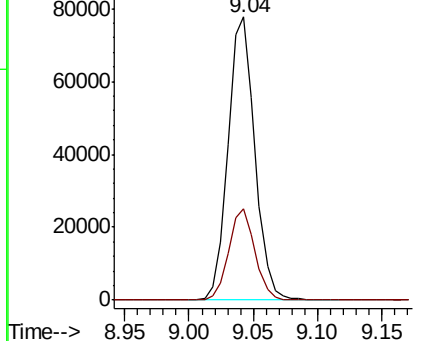
MMDadoda

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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 19.714 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

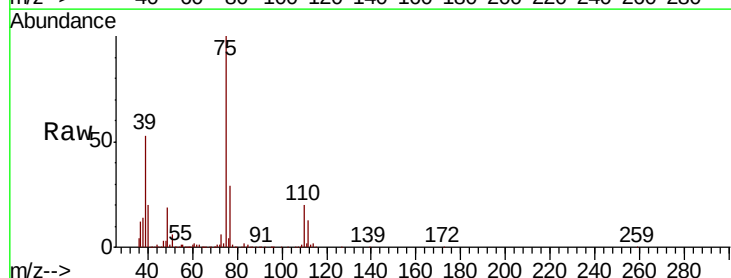
Tgt Ion: 75 Resp: 127237

Ion Ratio Lower Upper

75 100

77 29.3 25.0 37.6

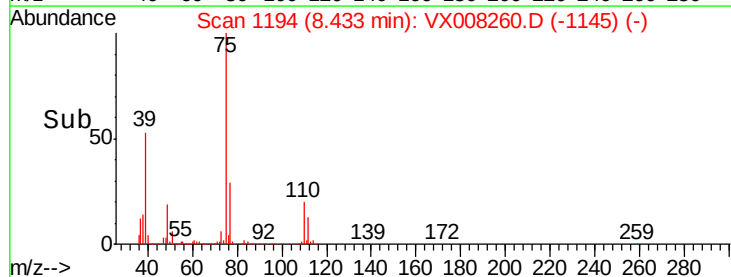
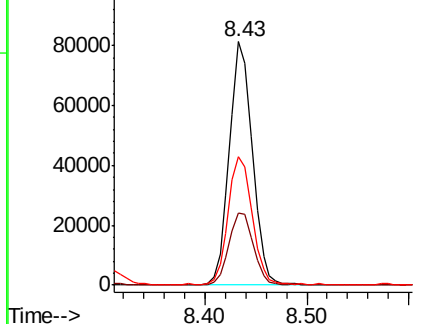
39 52.5 36.6 54.8

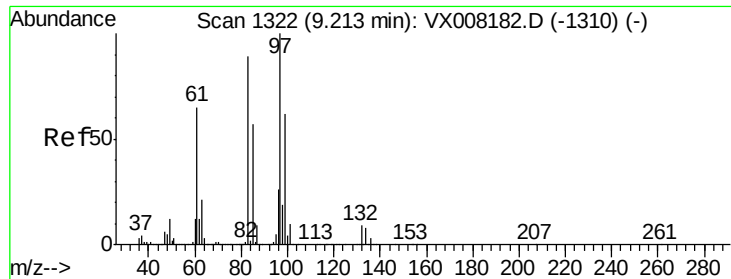


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





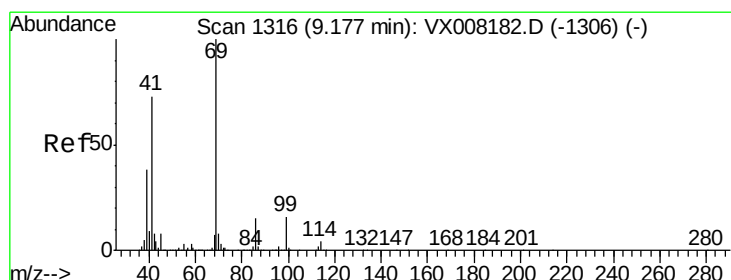
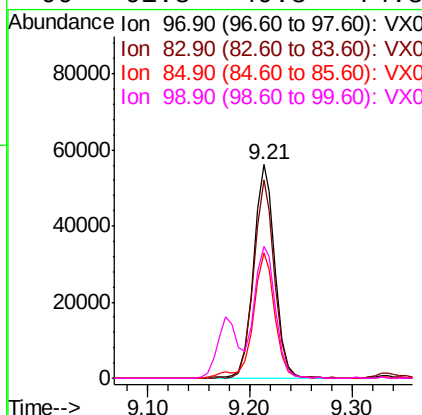
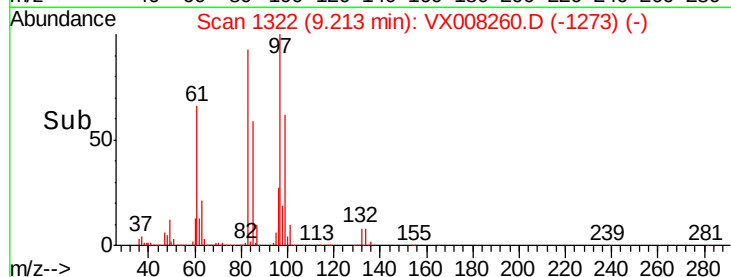
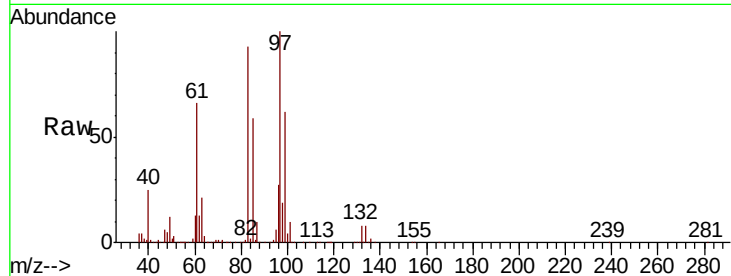
#55
 1,1,2-Trichloroethane
 Concen: 21.386 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX008260.D
 Acq: 20 Mar 2019 23:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0320WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		82528		
83	93.1	69.1	103.7		
85	58.5	44.3	66.5		
99	61.8	49.8	74.8		

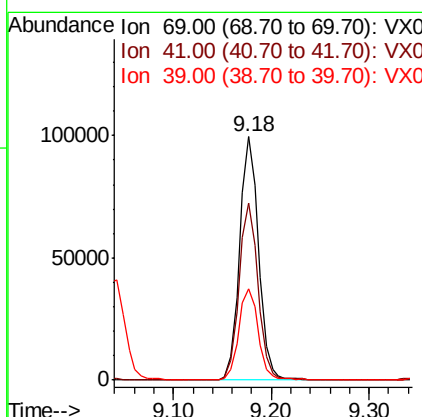
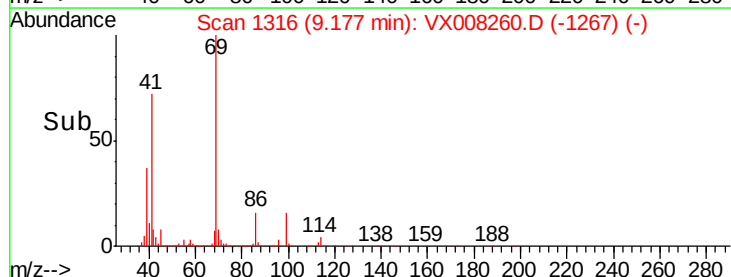
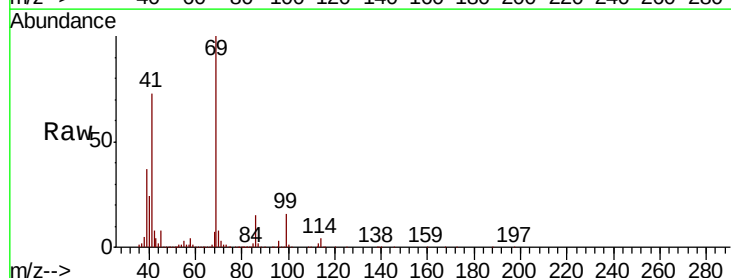
Manual Integrations
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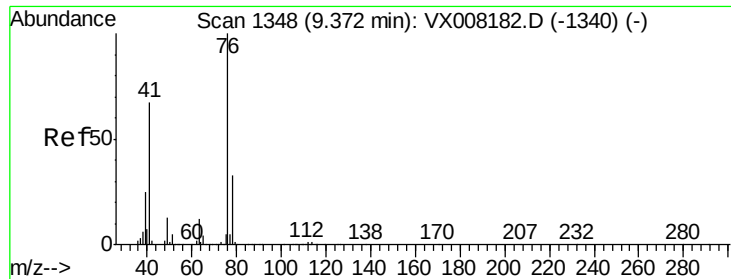
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 3/22/2019 5:34:12 PM



#56
 Ethyl methacrylate
 Concen: 20.131 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX008260.D
 Acq: 20 Mar 2019 23:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		134116		
41	72.3	54.2	81.4		
39	37.9	25.0	37.4#		





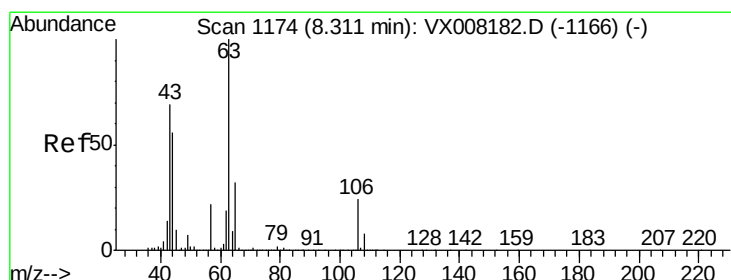
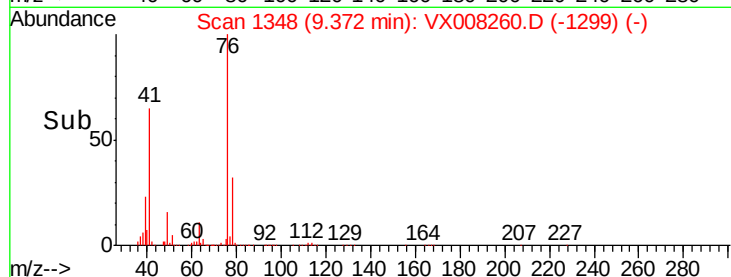
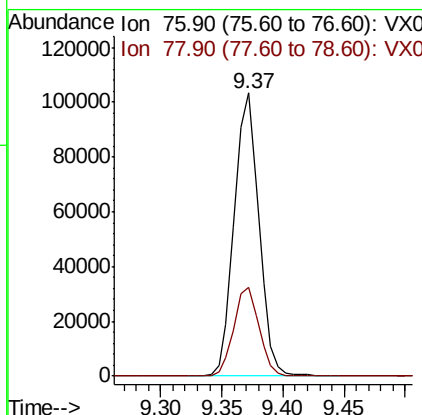
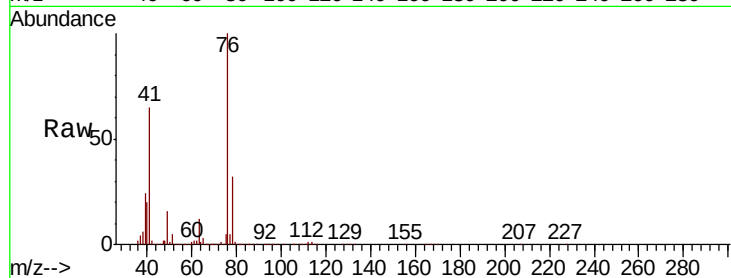
#57
 1,3-Dichloropropane
 Concen: 21.104 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX008260.D
 Acq: 20 Mar 2019 23:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0320WBS02

Tot Ion: 76 Resp: 144070
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.5 38.3

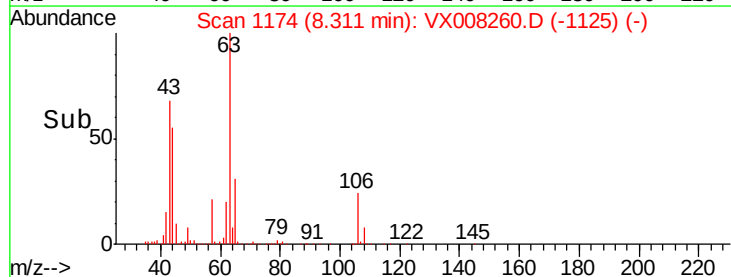
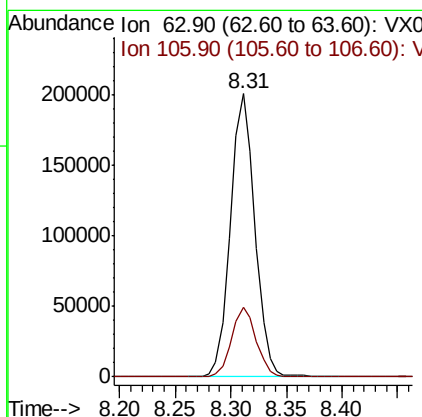
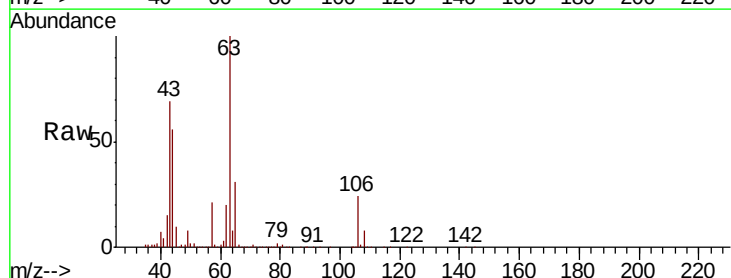
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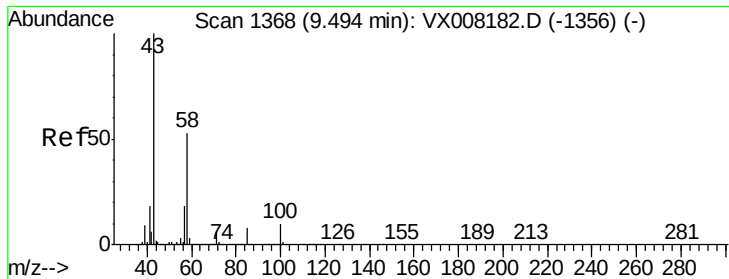
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 3/22/2019 5:34:12 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 96.552 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX008260.D
 Acq: 20 Mar 2019 23:32

Tgt Ion: 63 Resp: 305278
 Ion Ratio Lower Upper
 63 100
 106 24.7 22.2 33.2





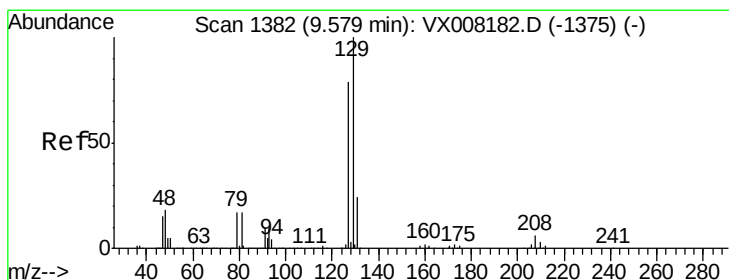
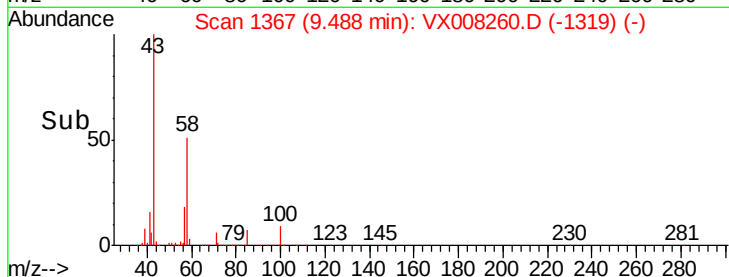
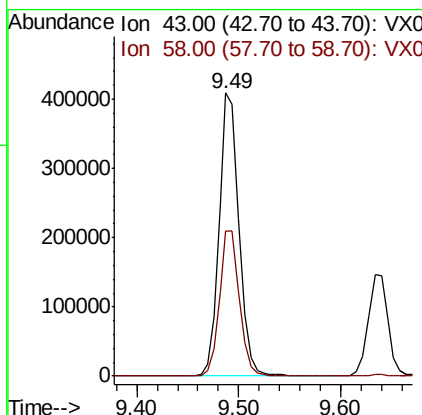
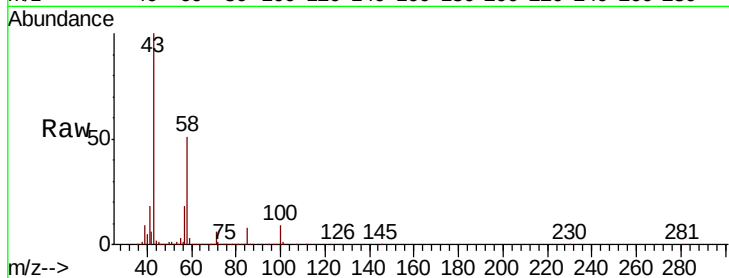
#59
2-Hexanone
Concen: 108.685 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.01 min
Lab File: VX008260.D
Acq: 20 Mar 2019 23:32

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS02

Tot Ion: 43 Resp: 557527
Ion Ratio Lower Upper
43 100
58 51.7 27.6 82.7

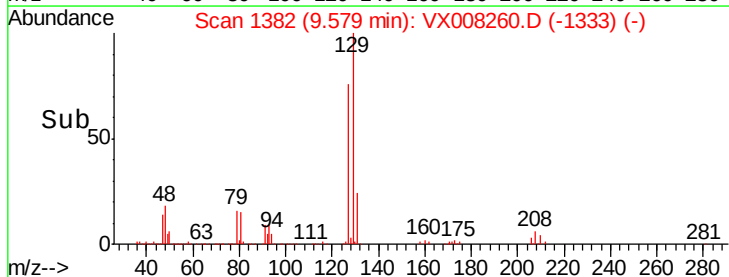
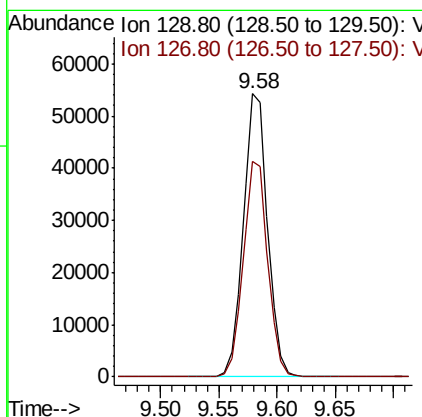
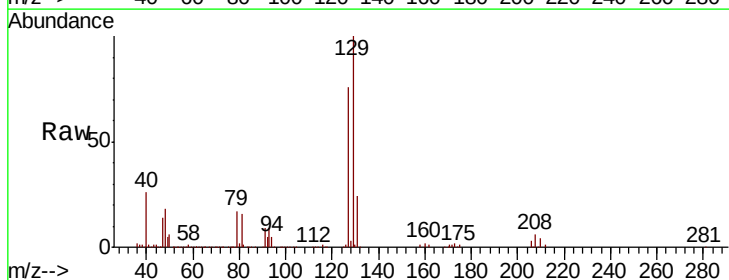
Manual Integrations
APPROVED

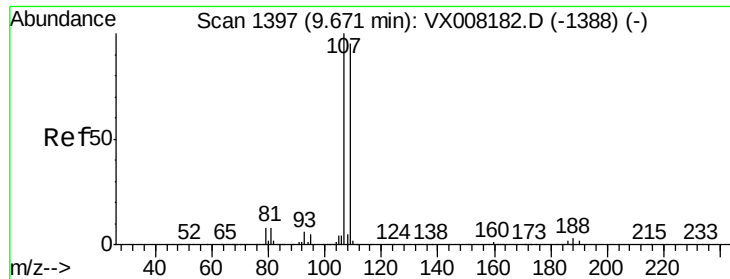
MMDadoda
3/22/2019 5:34:12 PM



#60
Dibromochloromethane
Concen: 21.262 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX008260.D
Acq: 20 Mar 2019 23:32

Tgt Ion: 129 Resp: 78855
Ion Ratio Lower Upper
129 100
127 77.1 38.3 114.8





#61

1,2-Dibromoethane

Concen: 21.462 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBS02

Tot Ion: 107 Resp: 86480

Ion Ratio Lower Upper

107 100

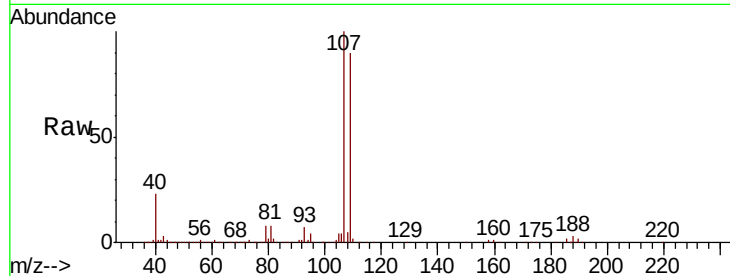
109 92.6 75.8 113.8

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

60000

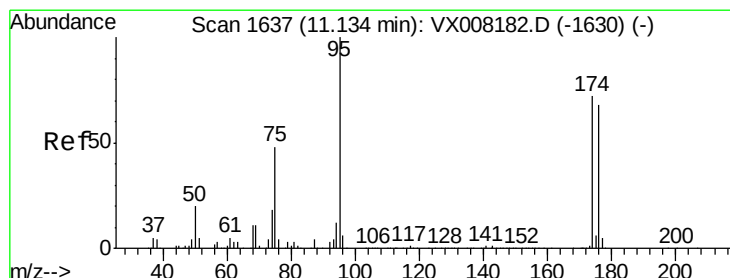
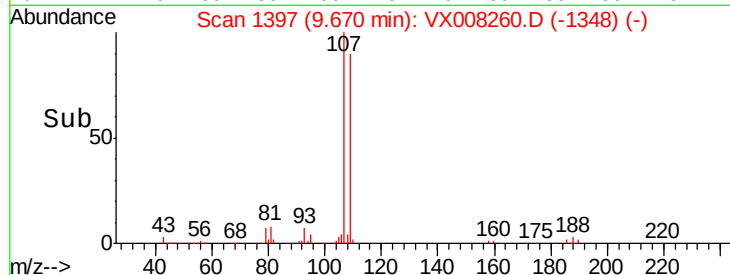
40000

20000

0

9.60 9.65 9.70 9.75 9.80

Time-->



#62

4-Bromofluorobenzene

Concen: 50.643 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

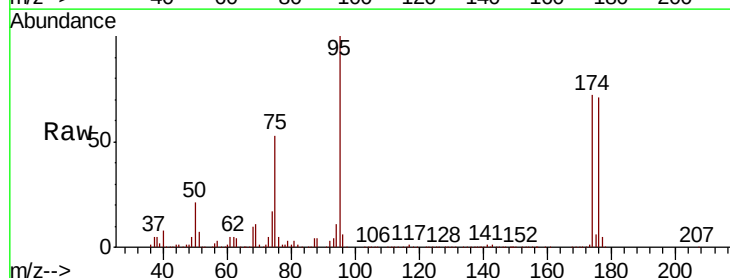
Tgt Ion: 95 Resp: 206770

Ion Ratio Lower Upper

95 100

174 78.5 0.0 182.8

176 77.7 0.0 178.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

150000

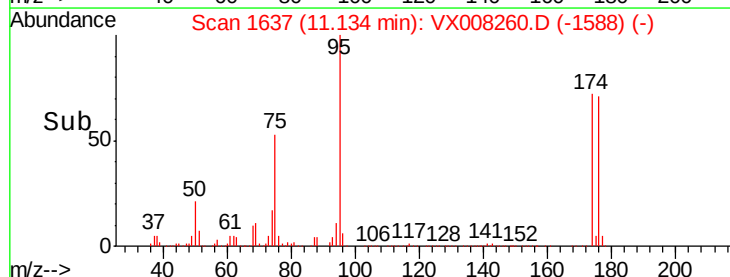
100000

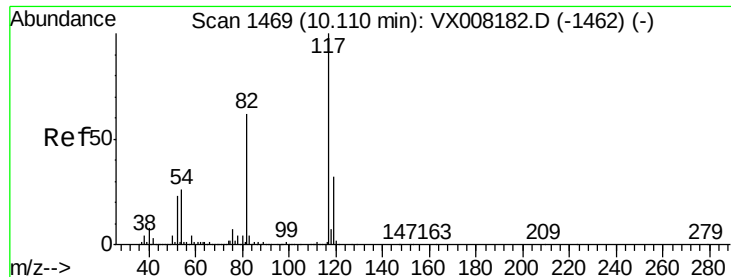
50000

0

11.10 11.20

Time-->





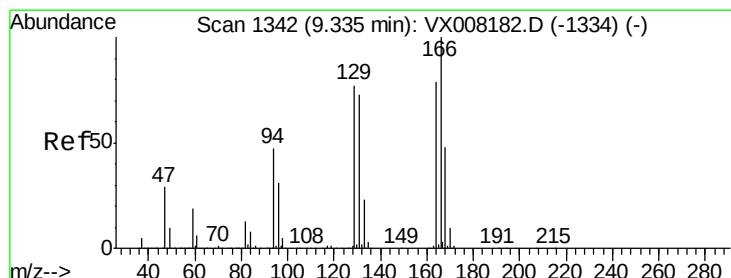
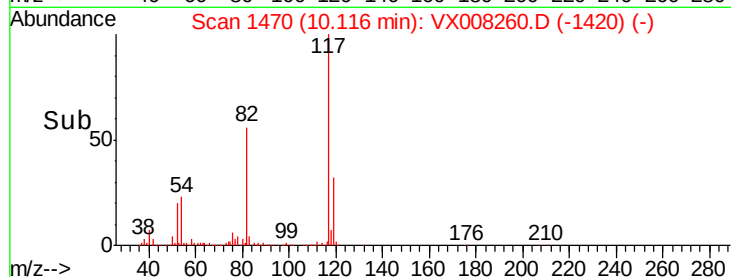
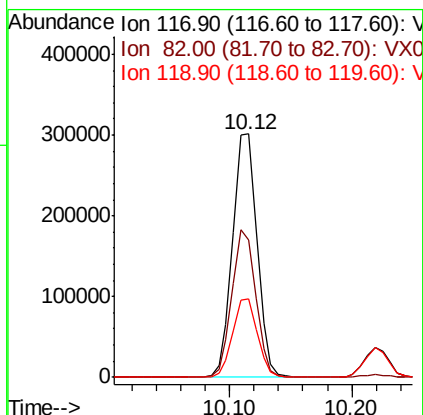
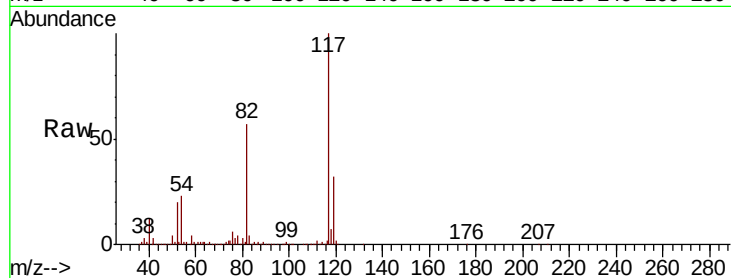
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX008260.D
Acq: 20 Mar 2019 23:32

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	415454		
82	56.5	44.3	66.5	
119	32.0	25.3	37.9	

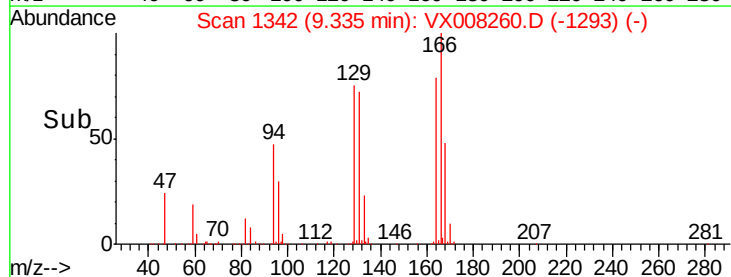
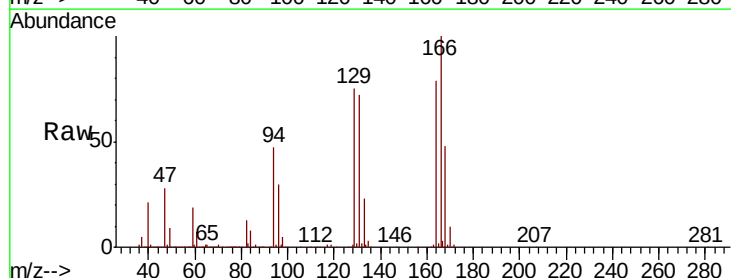
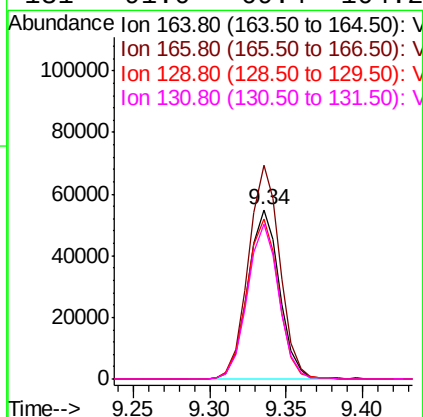
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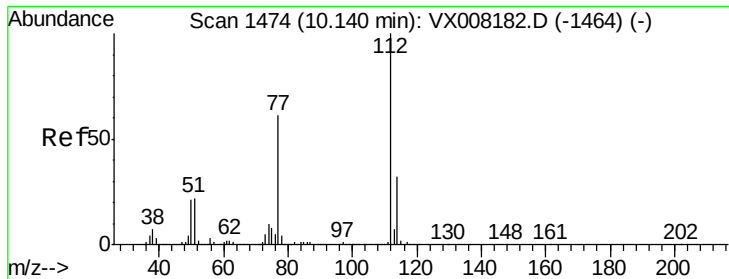
MMDadoda
3/22/2019 5:34:12 PM



#64
Tetrachloroethene
Concen: 21.100 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008260.D
Acq: 20 Mar 2019 23:32

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	79088		
166	126.0	103.4	155.0	
129	94.8	72.2	108.4	
131	91.0	69.4	104.2	





#65

Chlorobenzene

Concen: 20.448 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBS02

Tot Ion:112 Resp: 209030

Ion Ratio Lower Upper

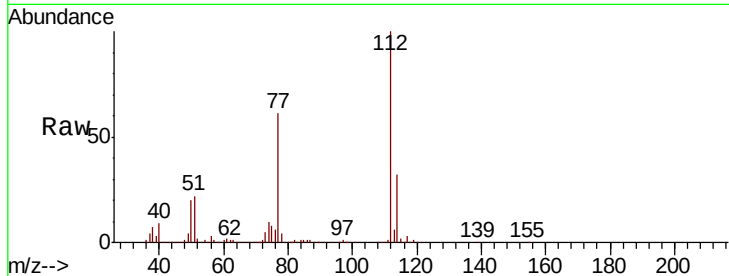
112 100

114 31.5 26.0 39.0

Manual Integrations
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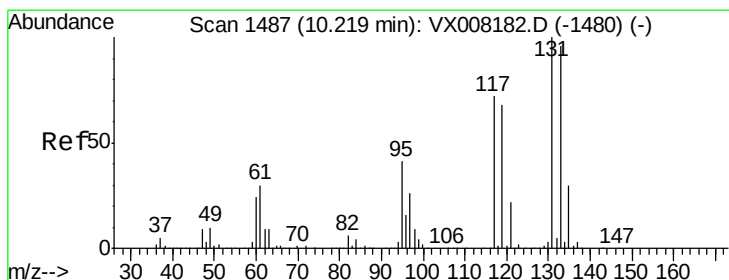
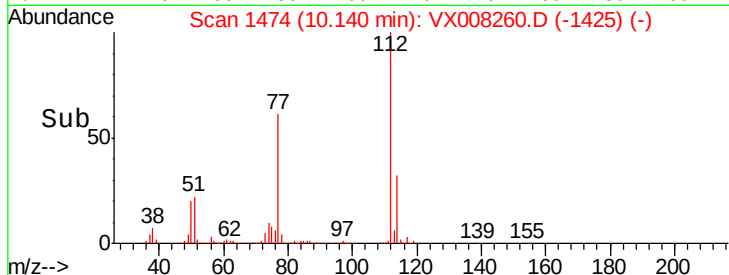
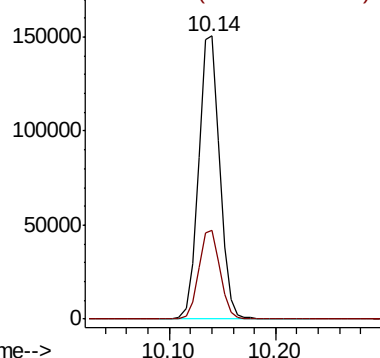
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.650 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

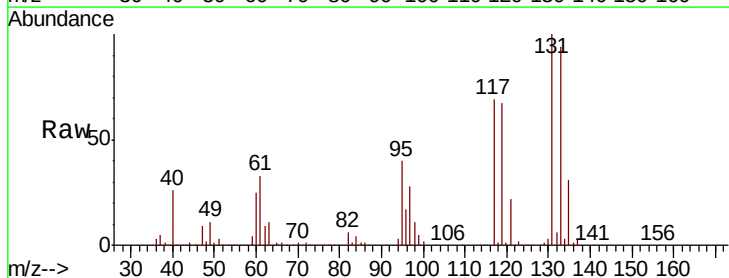
Tgt Ion:131 Resp: 73600

Ion Ratio Lower Upper

131 100

133 94.5 47.8 143.3

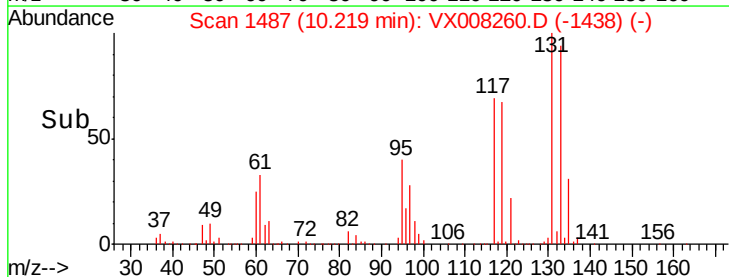
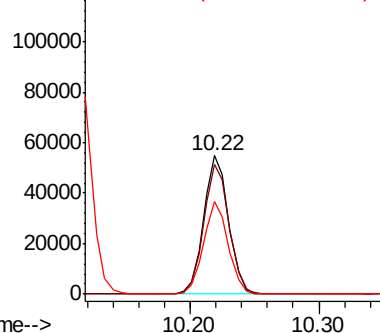
119 66.8 32.5 97.5

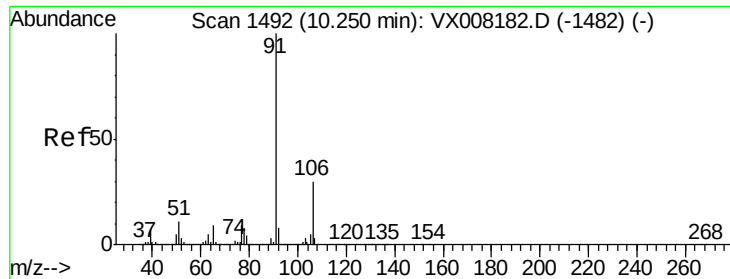


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 20.420 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBS02

Tot Ion: 91 Resp: 367849

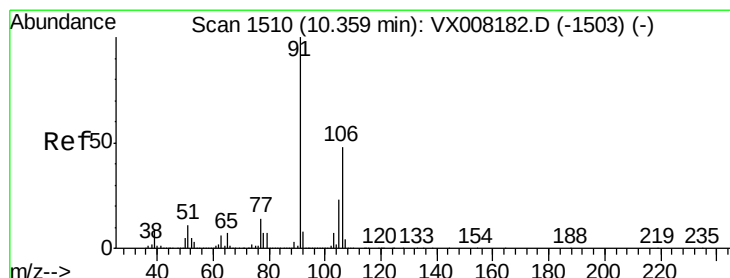
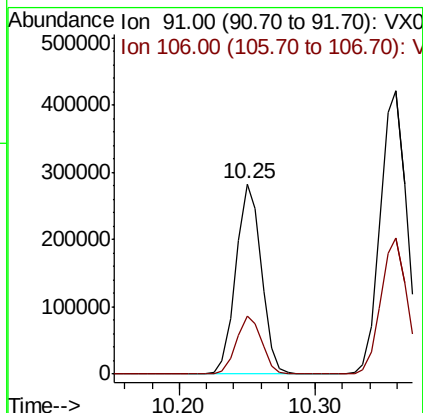
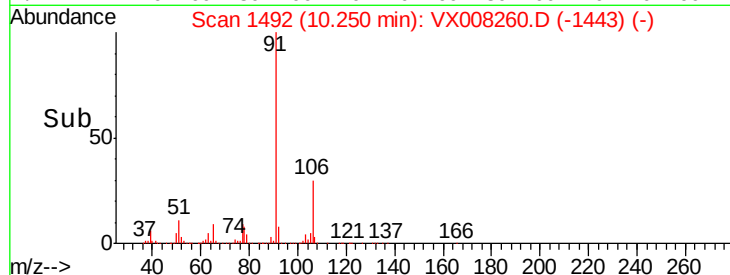
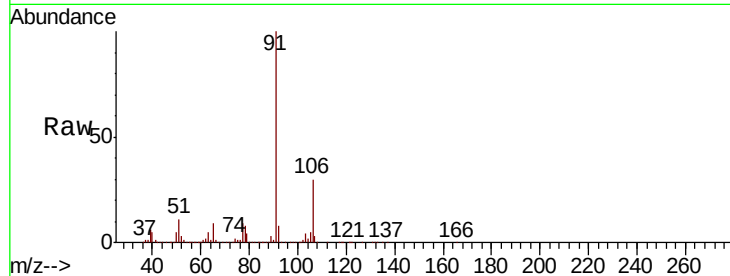
Ion Ratio Lower Upper

91 100

106 30.3 25.2 37.8

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#68

m/p-Xylenes

Concen: 40.913 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX008260.D

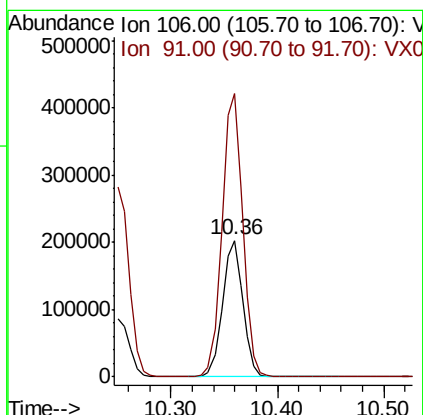
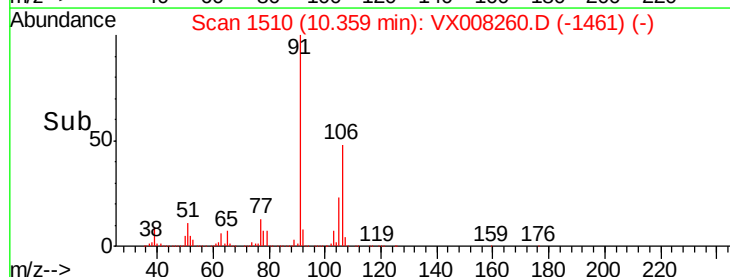
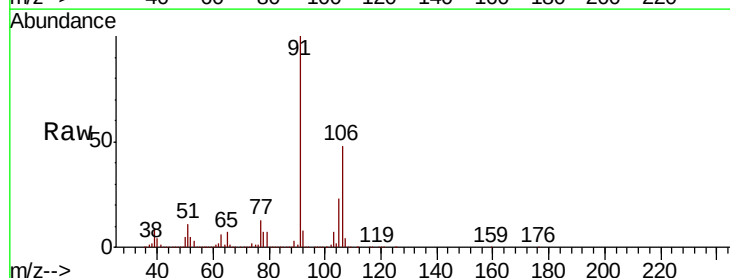
Acq: 20 Mar 2019 23:32

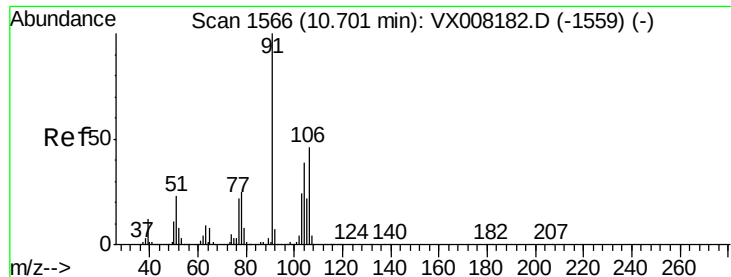
Tgt Ion: 106 Resp: 270735

Ion Ratio Lower Upper

106 100

91 210.6 159.8 239.6





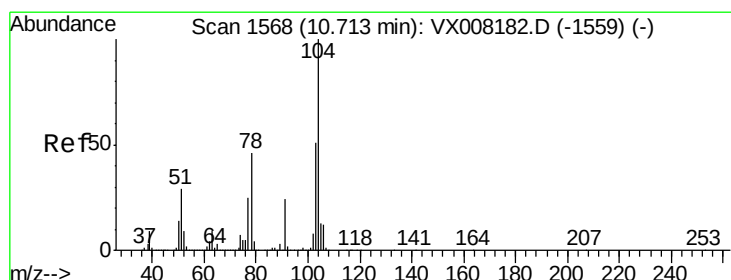
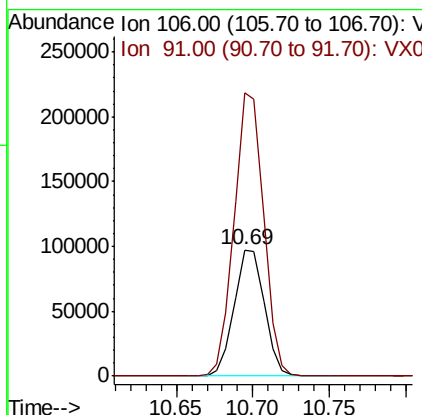
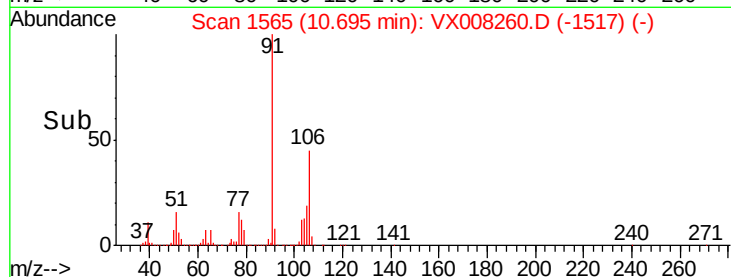
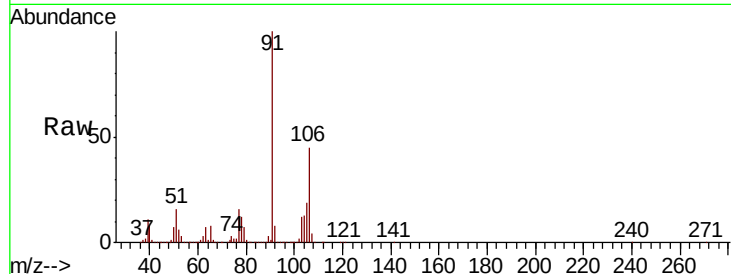
#69
o-Xylene
Concen: 20.701 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX008260.D
Acq: 20 Mar 2019 23:32

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS02

Tot Ion	Ratio	Lower	Upper
106	100		
91	220.1	106.3	318.9

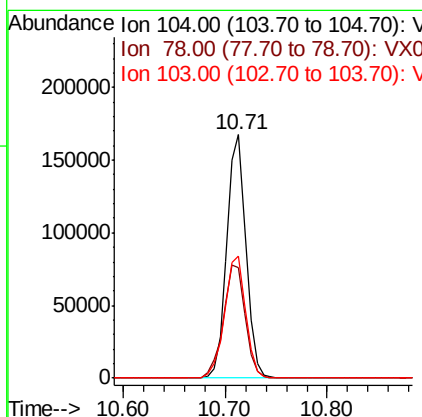
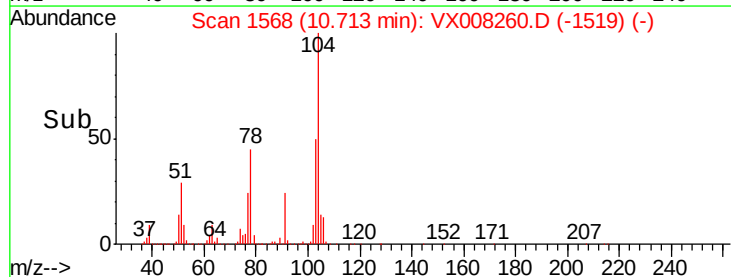
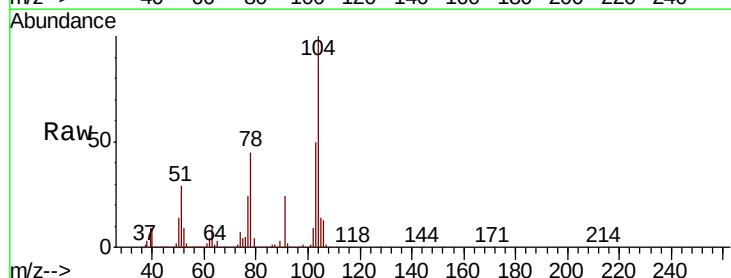
Manual Integrations
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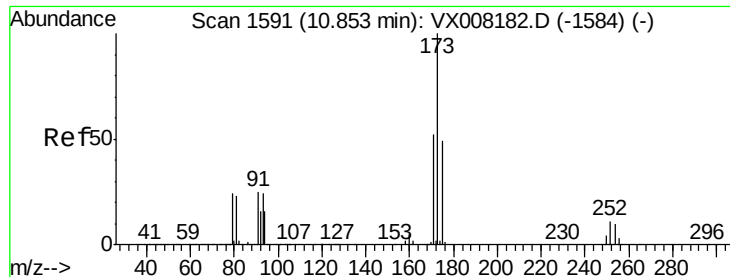
MMDadoda
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#70
Styrene
Concen: 20.774 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX008260.D
Acq: 20 Mar 2019 23:32

Tgt Ion	Ratio	Lower	Upper
104	100		
78	53.4	38.5	57.7
103	55.7	44.1	66.1





#71

Bromoform

Concen: 19.710 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

Instrument :

MSVOA_X

ClientSampled :

VX0320WBS02

Tot Ion:173 Resp: 56242

Ion Ratio Lower Upper

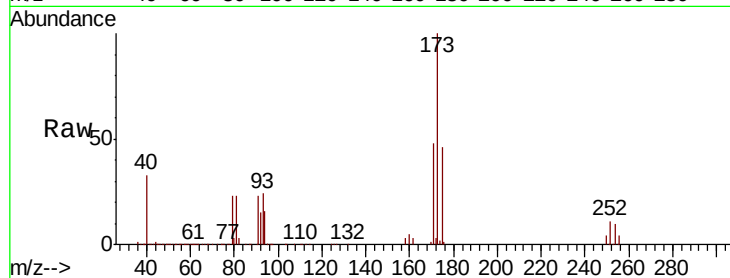
173 100

175 48.4 24.3 72.9

254 0.1 0.1 0.1#

Manual Integrations
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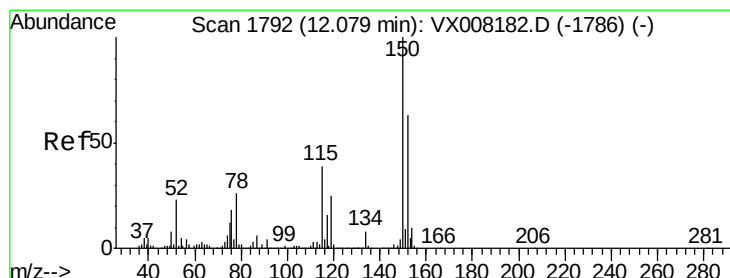
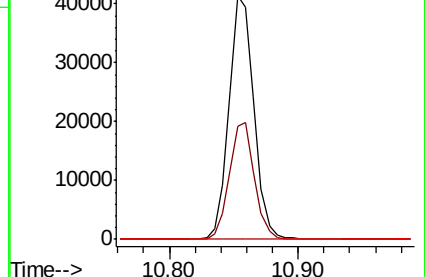
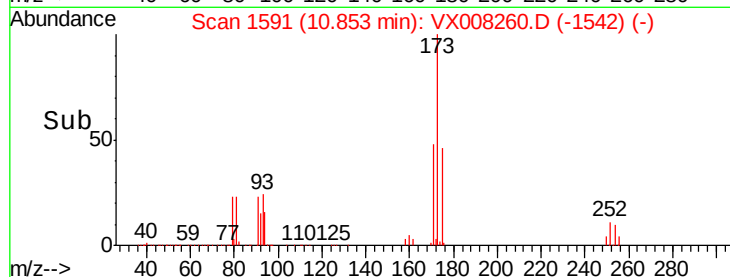
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

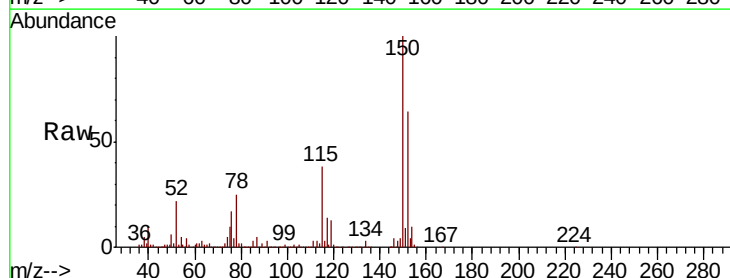
Tgt Ion:152 Resp: 192550

Ion Ratio Lower Upper

152 100

115 71.2 38.6 115.7

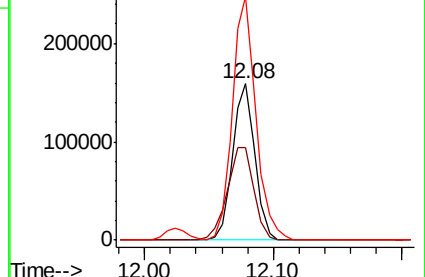
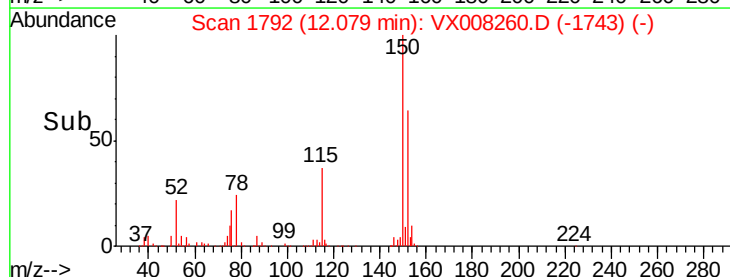
150 163.6 0.0 348.4

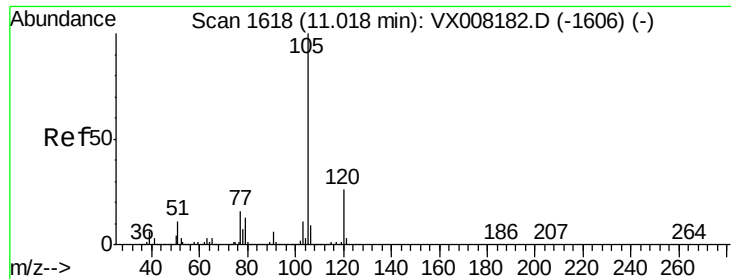


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.670 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBS02

Tot Ion: 105 Resp: 354753

Ion Ratio Lower Upper

105 100

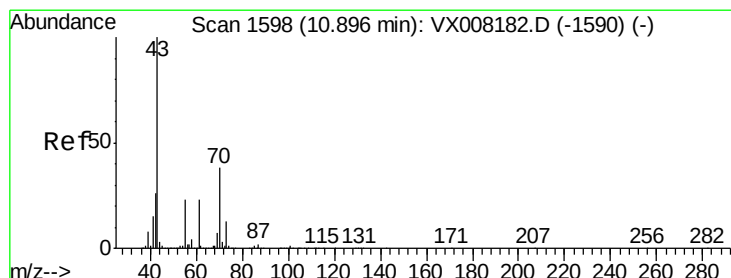
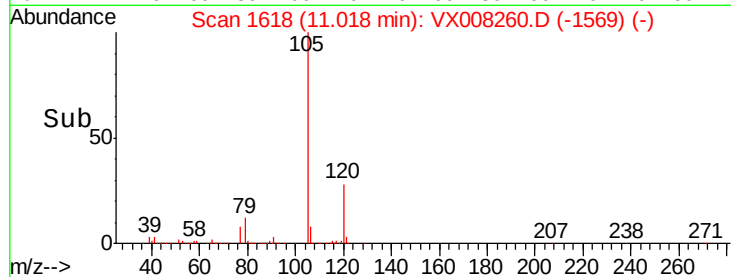
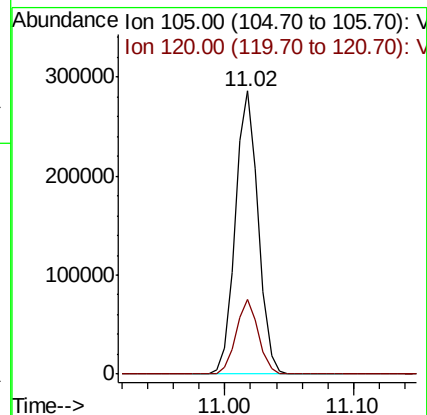
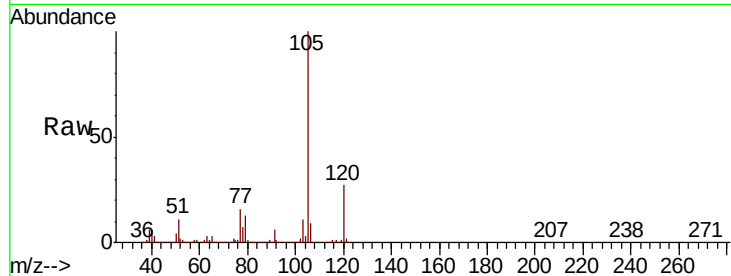
120 25.9 13.4 40.1

Manual Integrations

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#74

N-ethyl acetate

Concen: 20.545 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

Tgt Ion: 43 Resp: 184747

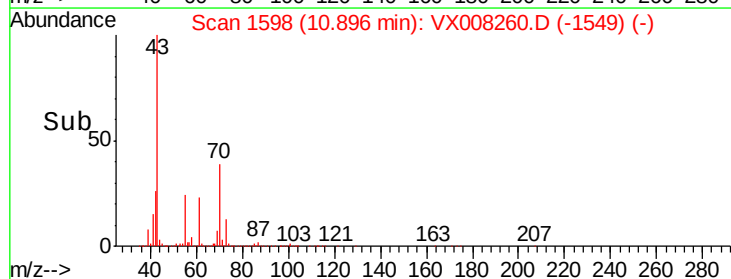
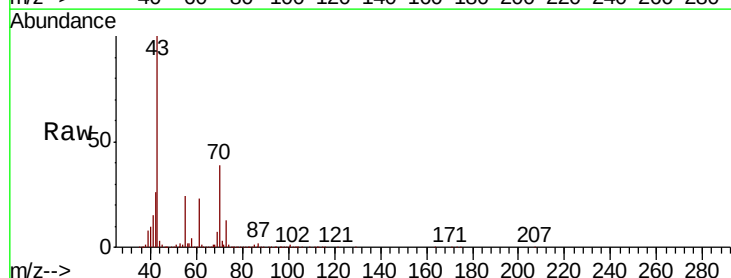
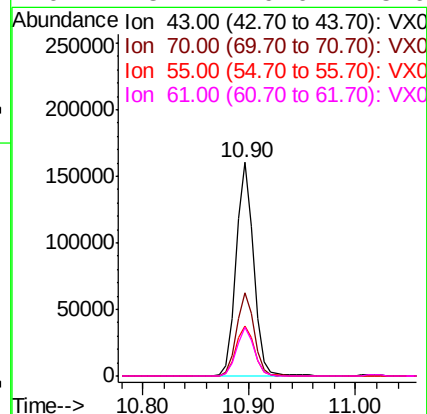
Ion Ratio Lower Upper

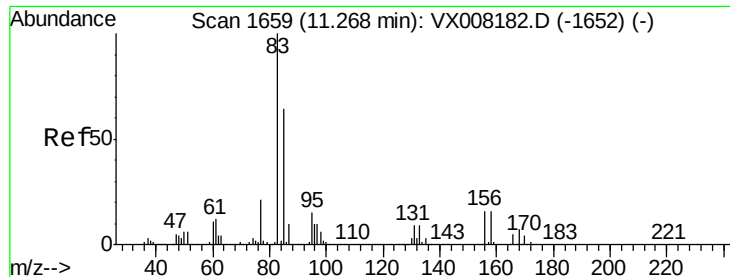
43 100

70 39.5 33.5 50.3

55 24.4 19.2 28.8

61 23.1 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.785 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

Instrument :

MSVOA_X

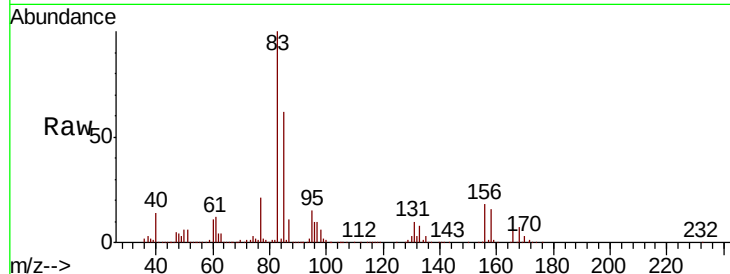
ClientSampled :

VX0320WBS02

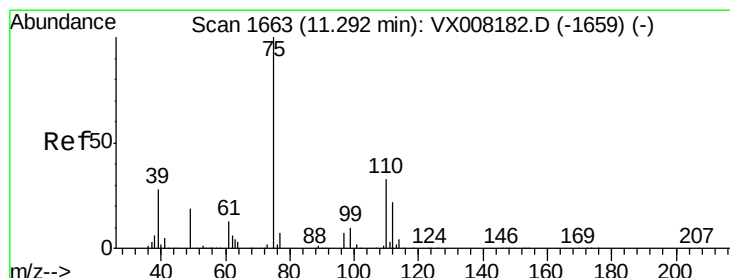
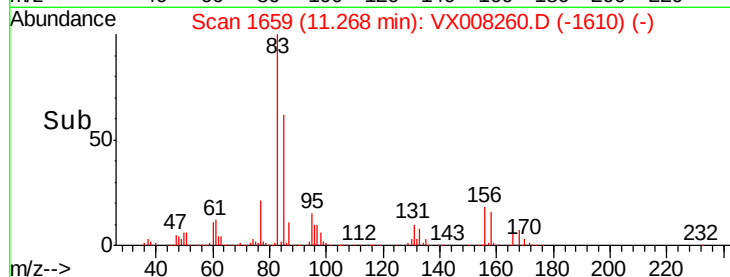
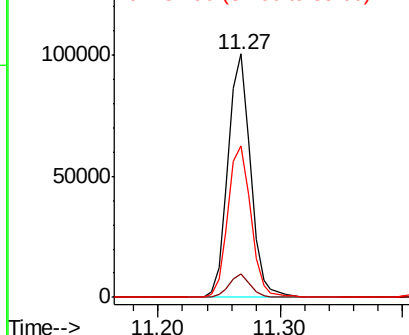
Tot Ion:	83	Resp:	127916
Ion Ratio	Lower	Upper	
83	100		
131	9.2	5.4	16.2
85	63.9	32.3	96.8

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 20.584 ug/l m

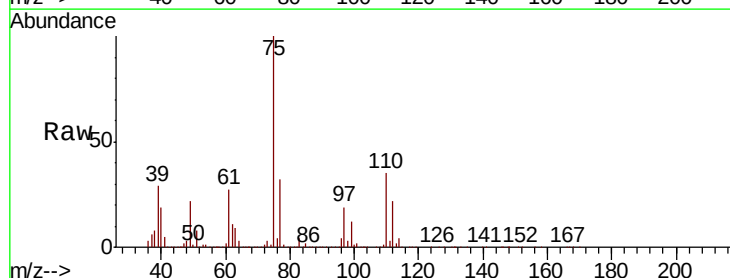
RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

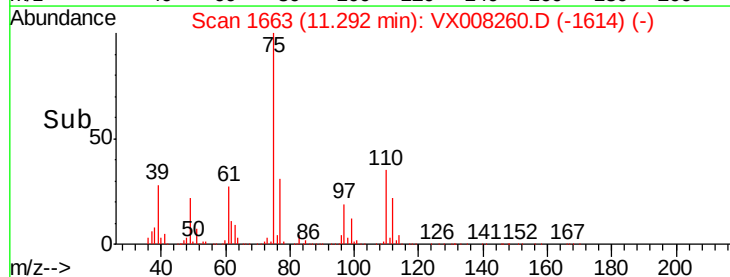
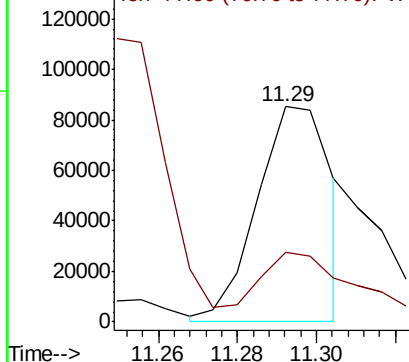
Lab File: VX008260.D

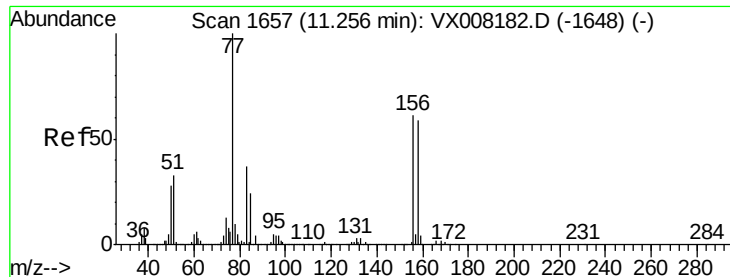
Acq: 20 Mar 2019 23:32

Tgt Ion:	75	Resp:	111476
Ion Ratio	Lower	Upper	
75	100		
77	42.7	18.9	56.7



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.842 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBS02

Tot Ion:156 Resp: 86488

Ion Ratio Lower Upper

156 100

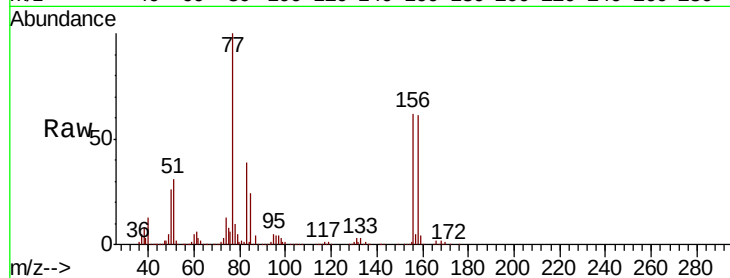
77 171.1 72.0 215.9

158 96.0 48.6 145.9

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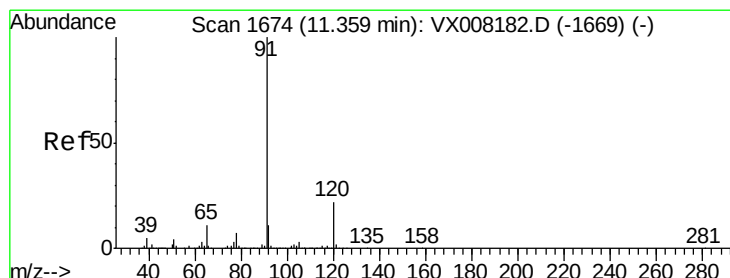
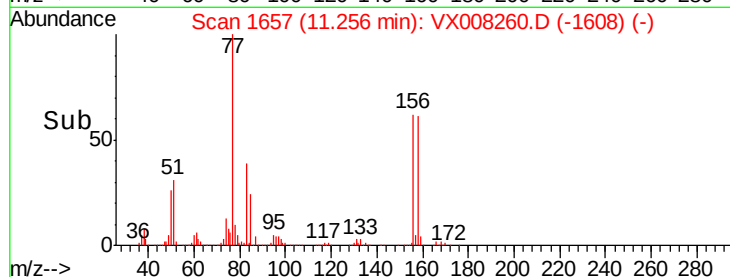
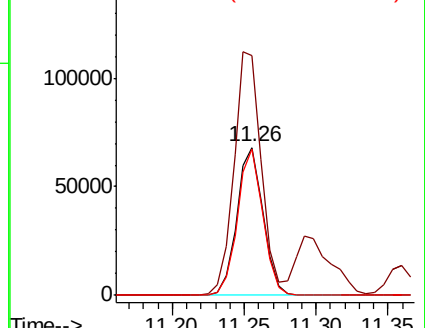
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.298 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX008260.D

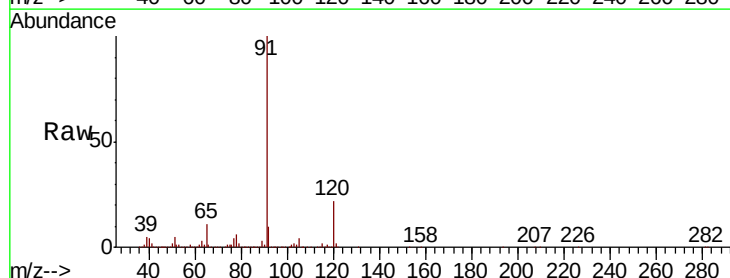
Acq: 20 Mar 2019 23:32

Tgt Ion: 91 Resp: 404623

Ion Ratio Lower Upper

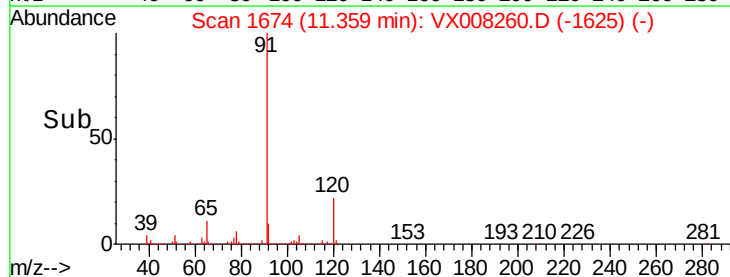
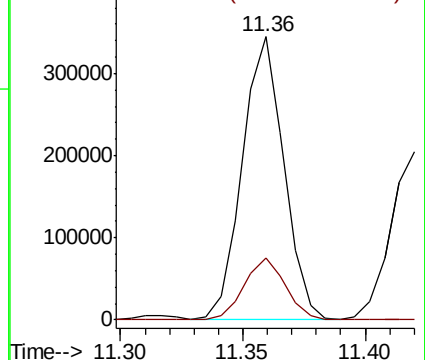
91 100

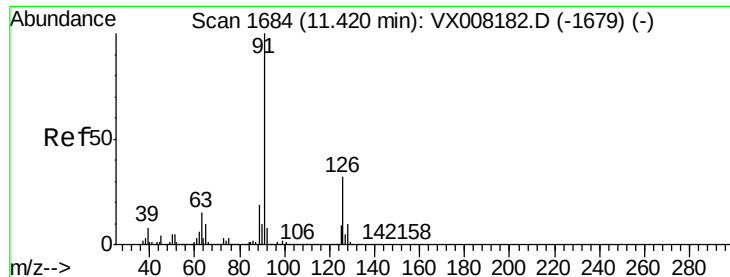
120 22.0 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.617 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBS02

Tot Ion: 91 Resp: 246673

Ion Ratio Lower Upper

91 100

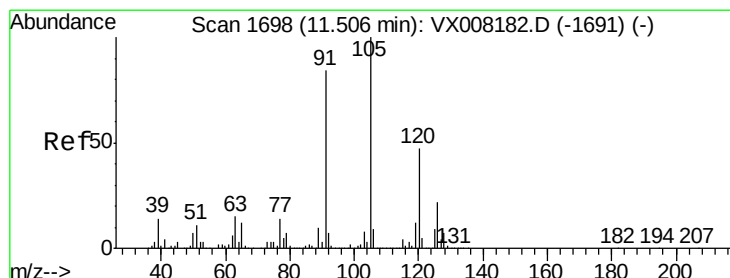
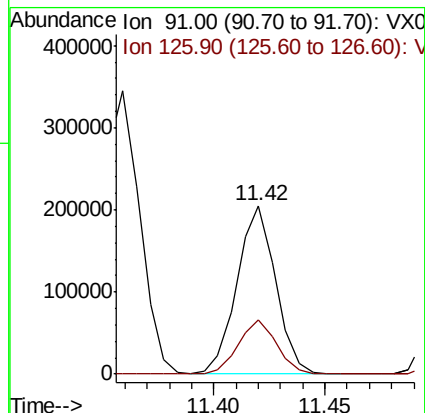
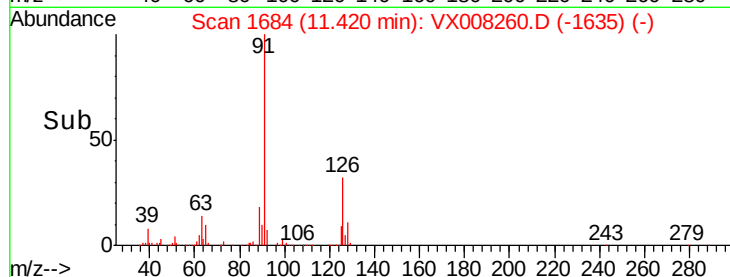
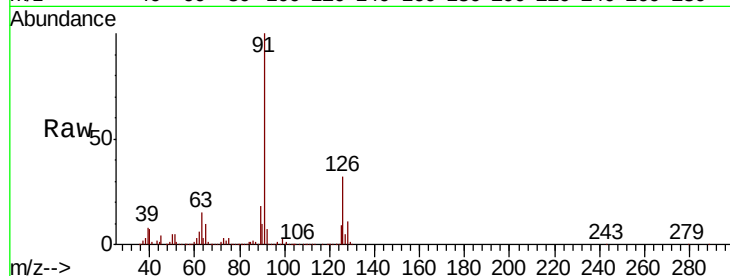
126 32.4 17.5 52.6

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.440 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX008260.D

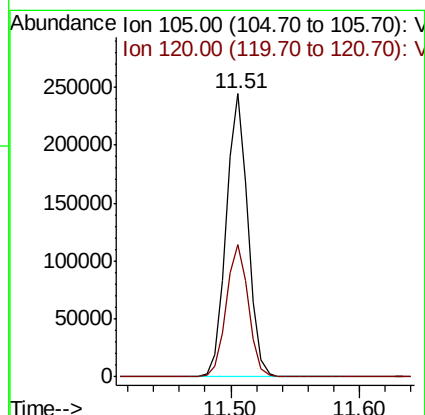
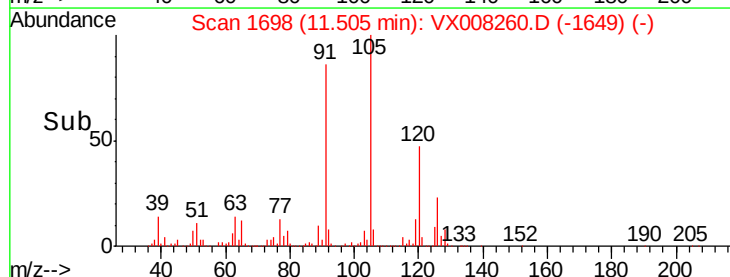
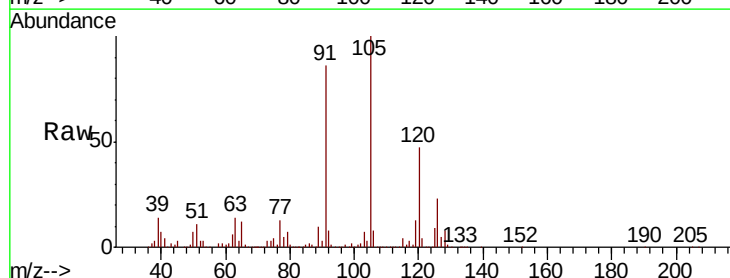
Acq: 20 Mar 2019 23:32

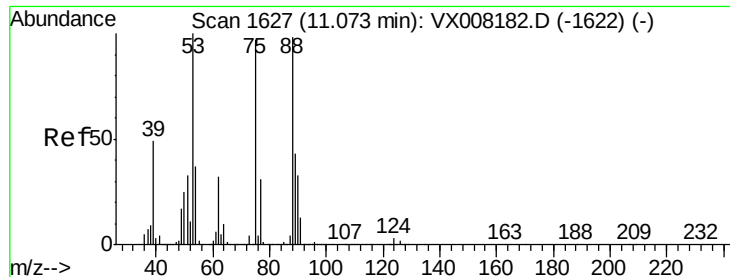
Tgt Ion: 105 Resp: 289832

Ion Ratio Lower Upper

105 100

120 47.6 24.9 74.6





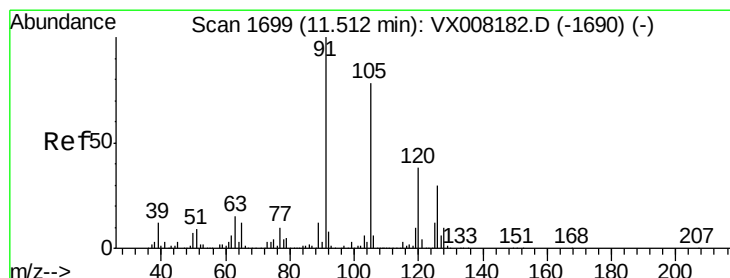
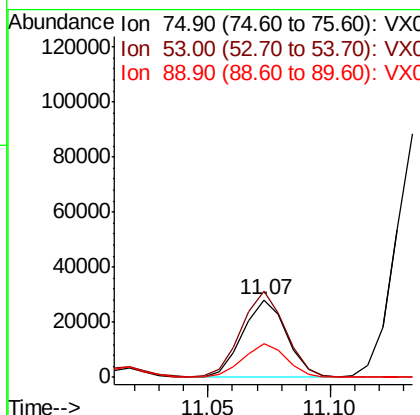
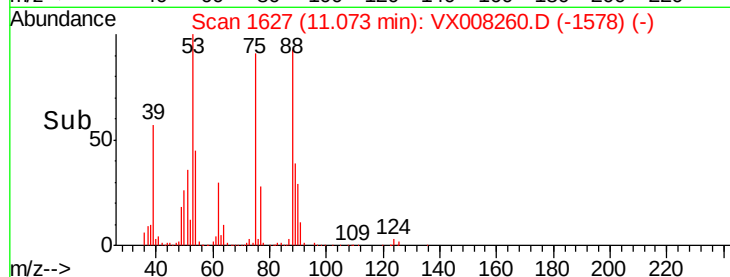
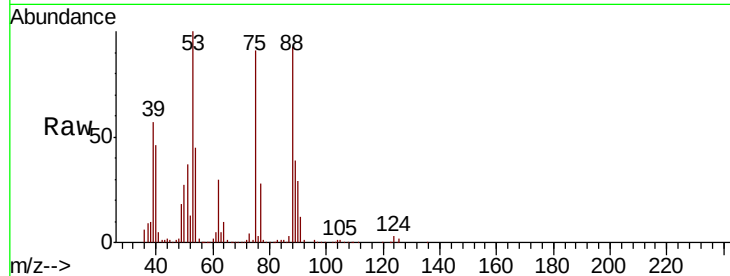
#81
trans-1,4-Dichloro-2-butene
Concen: 17.400 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX008260.D
Acq: 20 Mar 2019 23:32

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	110.5	76.1	114.1
89	42.8	36.3	54.5

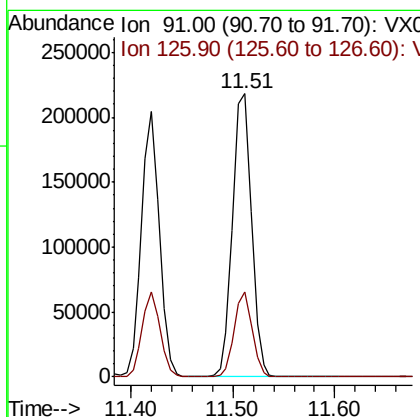
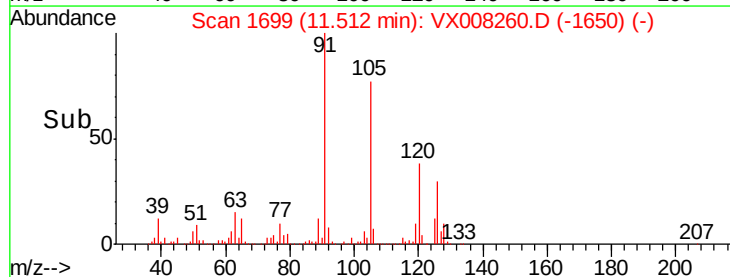
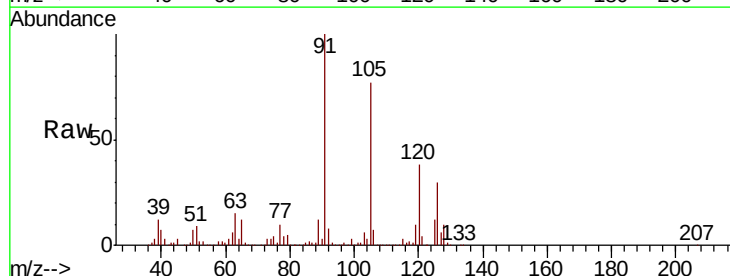
Manual Integrations
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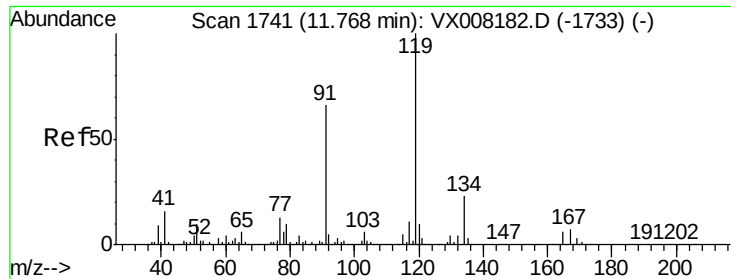
MMDadoda
3/22/2019 5:34:12 PM



#82
4-Chlorotoluene
Concen: 20.076 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX008260.D
Acq: 20 Mar 2019 23:32

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.3	15.6	46.8





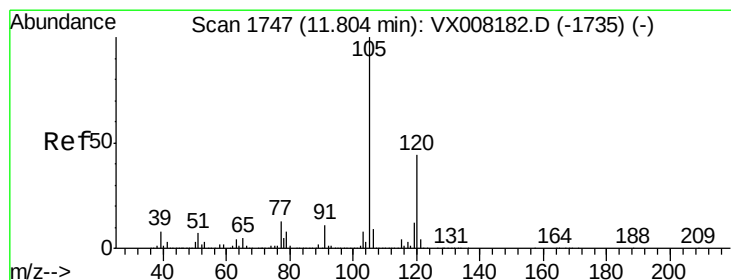
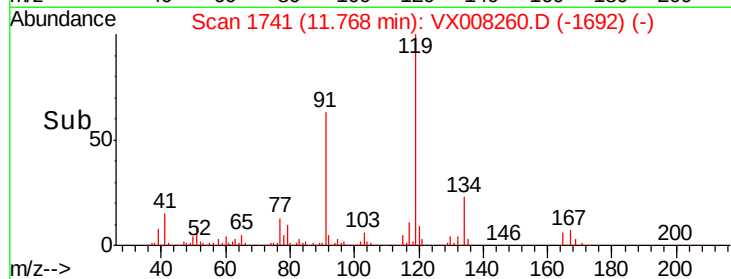
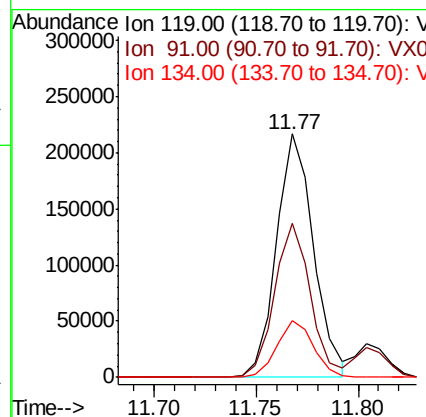
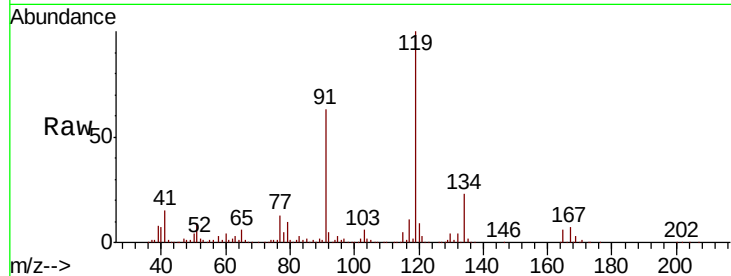
#83
 tert-Butylbenzene
 Concen: 20.325 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX008260.D
 Acq: 20 Mar 2019 23:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0320WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	275150		
91	61.1		27.1	81.3
134	22.8		11.4	34.1

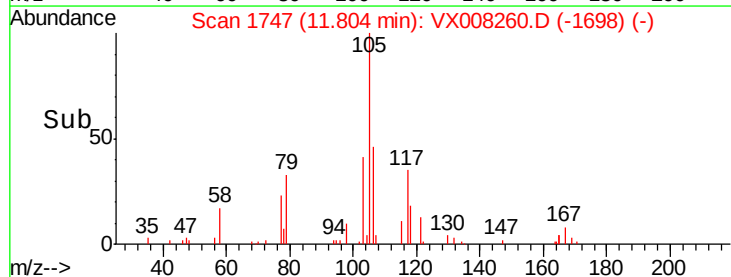
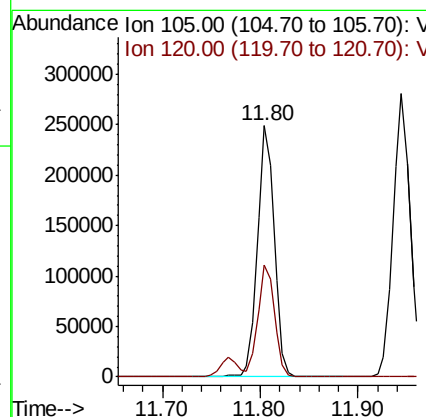
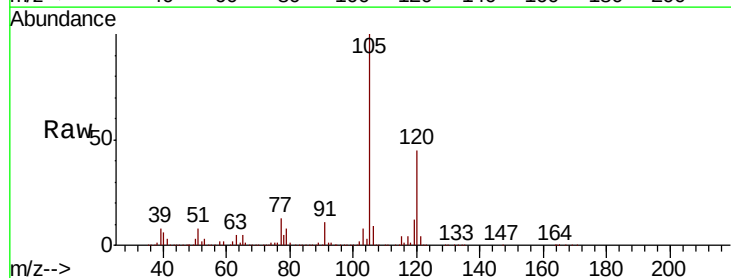
Manual Integrations
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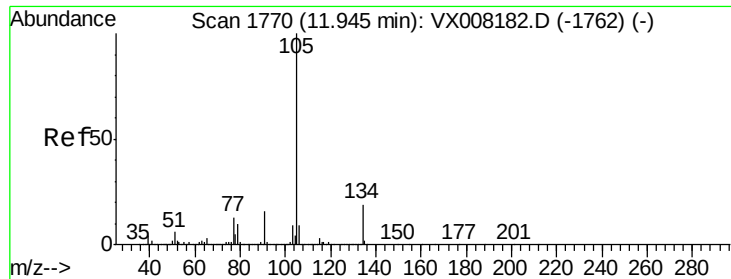
MMDadoda
 3/22/2019 5:34:12 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.658 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX008260.D
 Acq: 20 Mar 2019 23:32

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	296959		
120	43.8		22.6	67.7





#85

sec-Butylbenzene

Concen: 20.141 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

Instrument :

MSVOA_X

ClientSampleId :

VX0320WBS02

Tot Ion:105 Resp: 337654

Ion Ratio Lower Upper

105 100

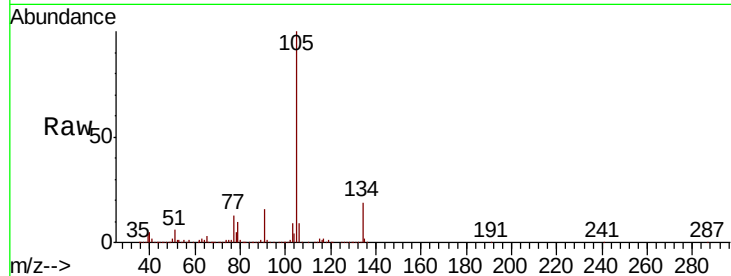
134 19.2 10.4 31.2

Manual Integrations

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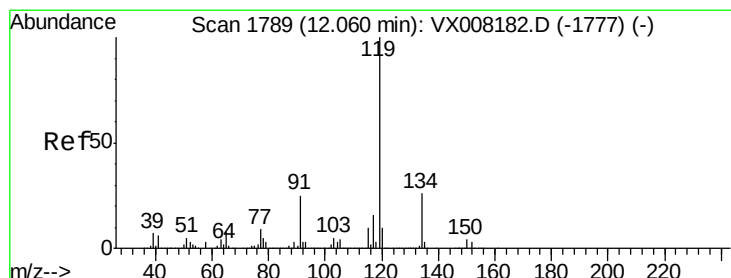
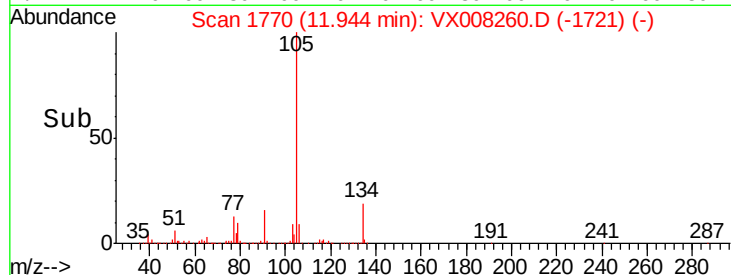
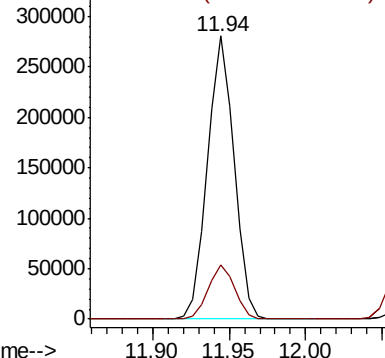
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.994 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

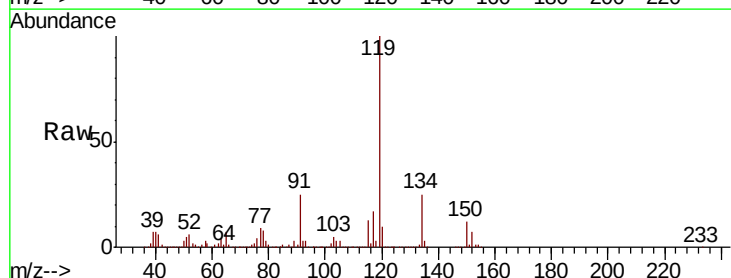
Tgt Ion:119 Resp: 290144

Ion Ratio Lower Upper

119 100

134 25.9 13.3 39.9

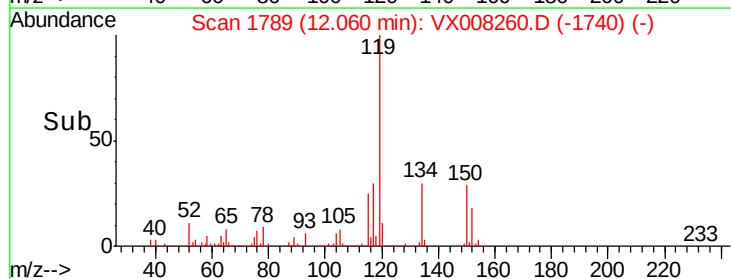
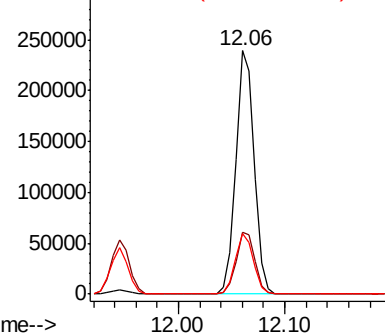
91 24.4 10.9 32.7

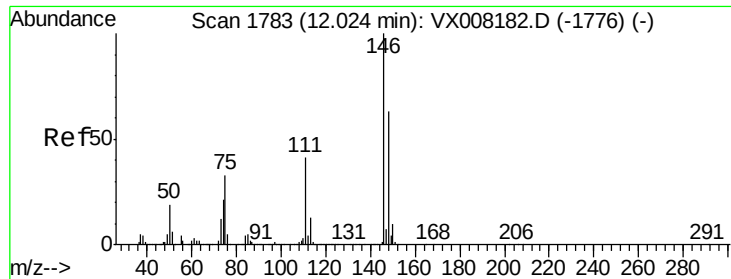


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 20.147 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

Instrument :

MSVOA_X

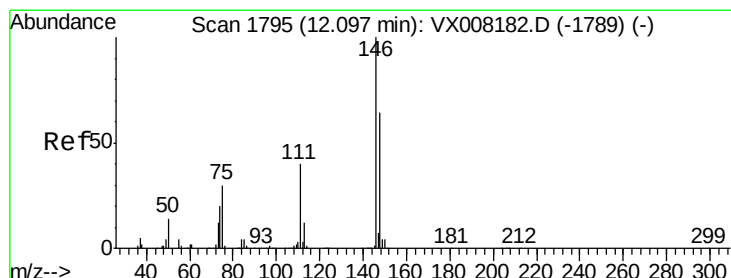
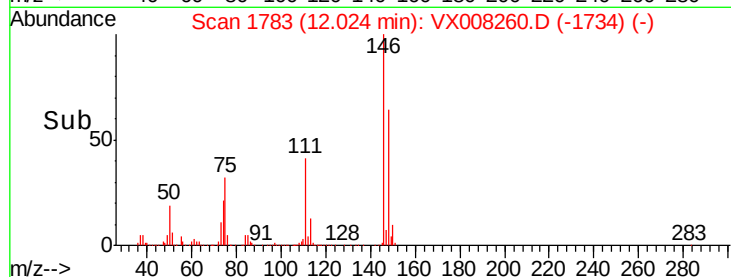
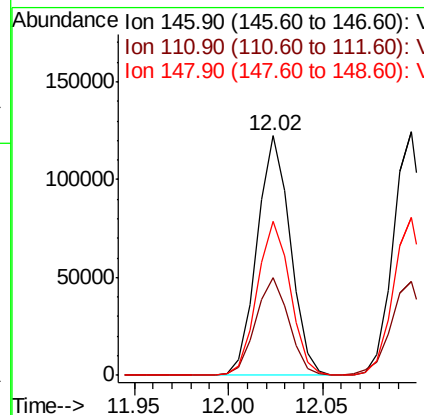
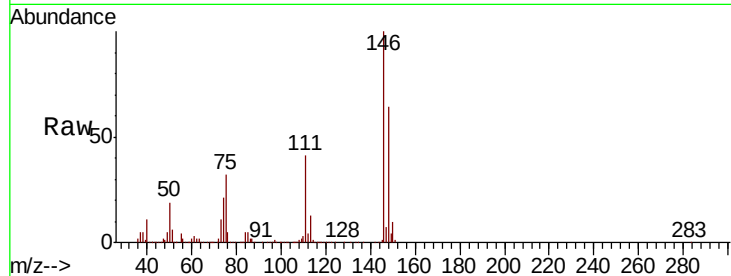
ClientSampleId :

VX0320WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	18.9	56.7
148	64.1	31.7	95.1

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.482 ug/l

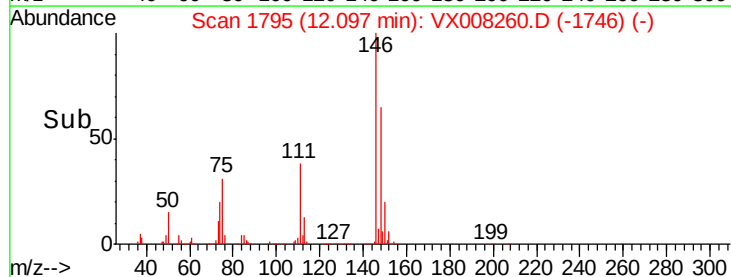
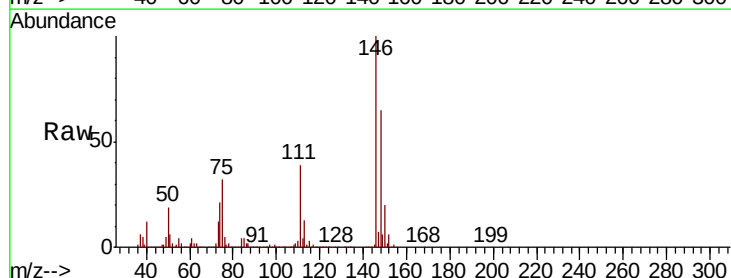
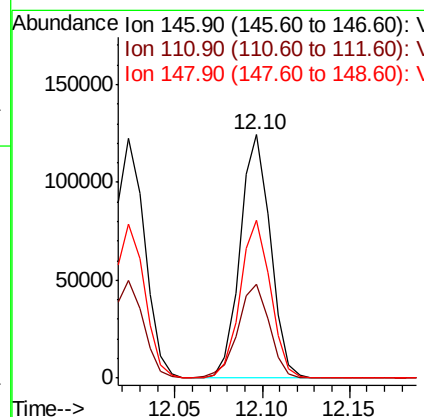
RT: 12.10 min Scan# 1795

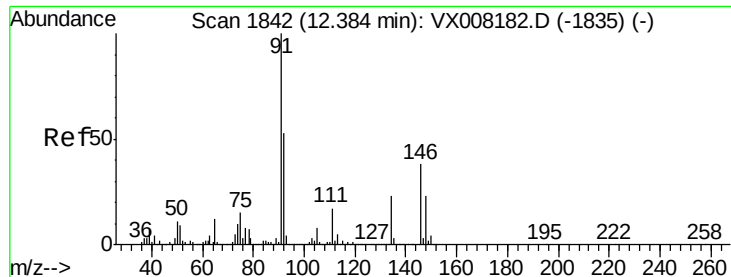
Delta R.T. -0.00 min

Lab File: VX008260.D

Acq: 20 Mar 2019 23:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	18.4	55.0
148	65.3	32.2	96.6





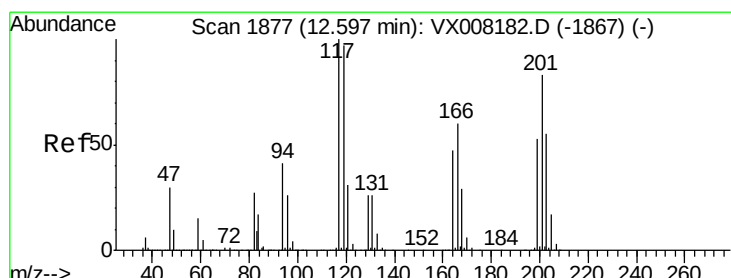
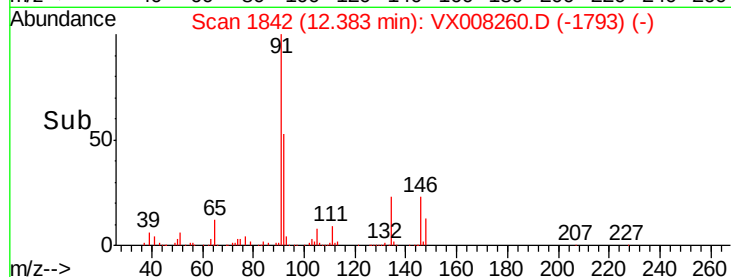
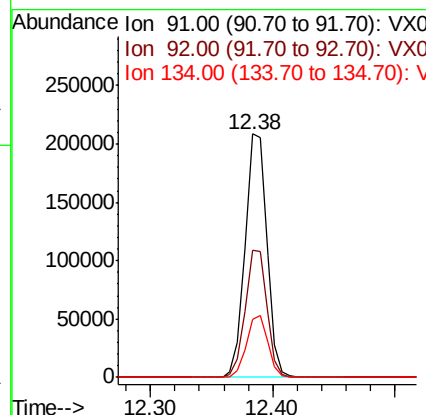
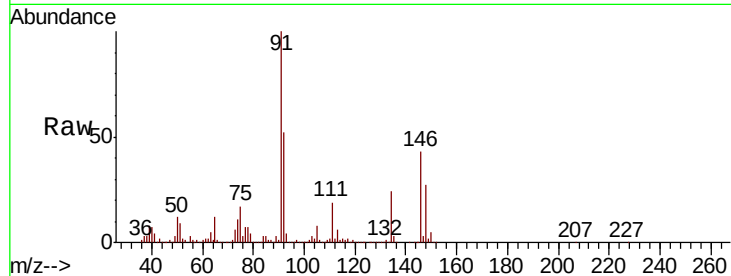
#89
n-Butylbenzene
Concen: 18.828 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX008260.D
Acq: 20 Mar 2019 23:32

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS02

Tot Ion	Ratio	Resp	Lower	Upper
91	100	256433		
92	52.0		27.0	80.8
134	24.7		13.7	41.0

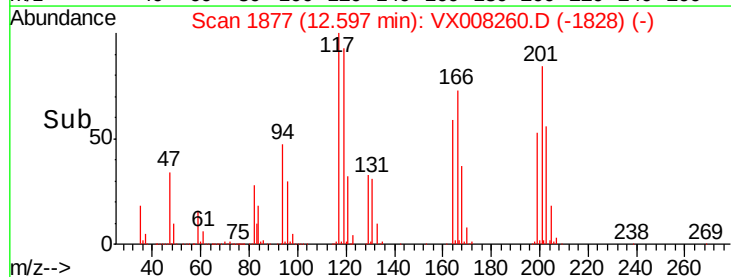
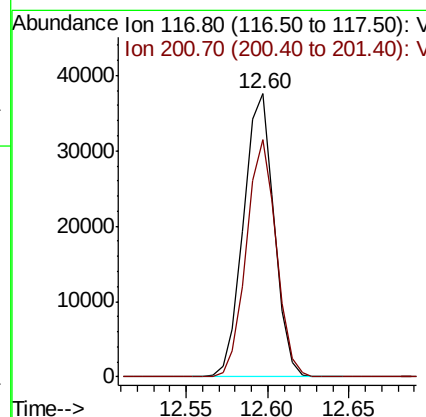
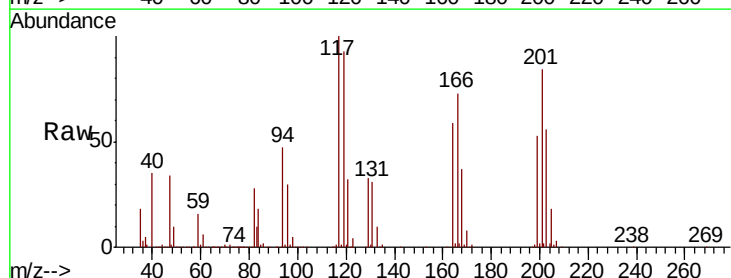
Manual Integrations
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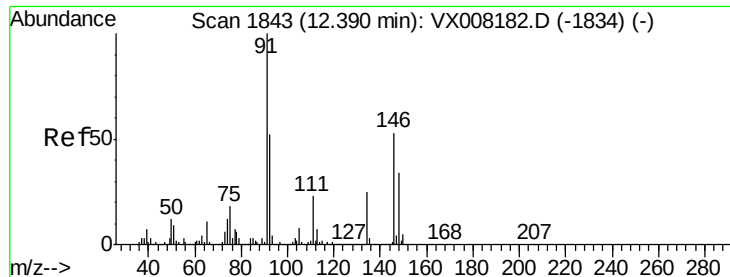
MMDadoda
3/22/2019 5:34:12 PM



#90
Hexachloroethane
Concen: 19.893 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX008260.D
Acq: 20 Mar 2019 23:32

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	49164		
201	81.8		48.9	146.7





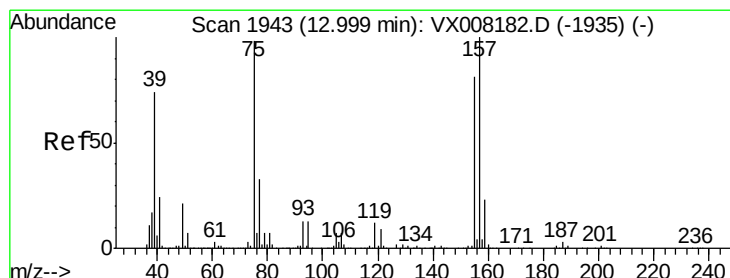
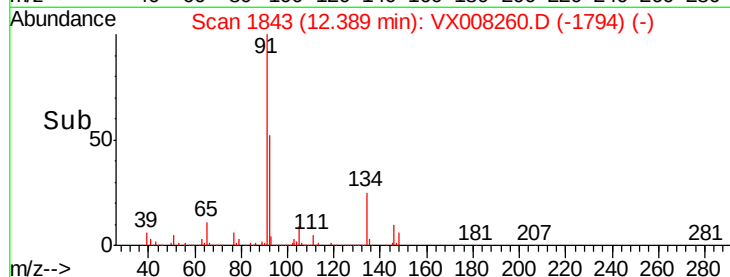
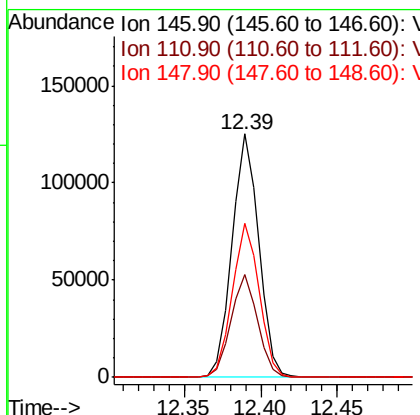
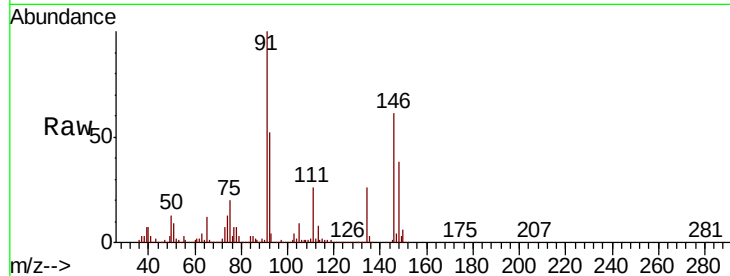
#91
 1,2-Dichlorobenzene
 Concen: 20.247 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX008260.D
 Acq: 20 Mar 2019 23:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0320WBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	151398		
111	42.2	19.6	58.8	
148	63.6	31.9	95.5	

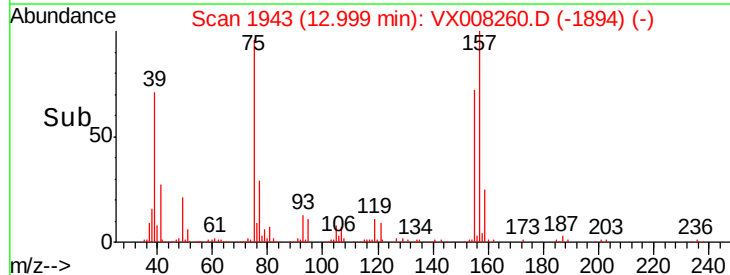
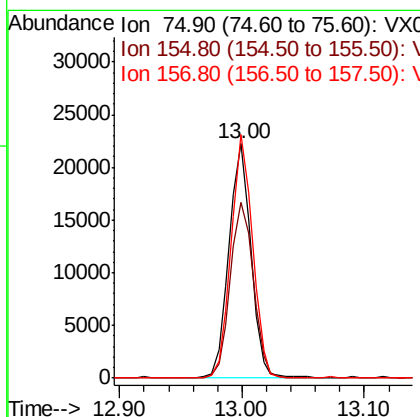
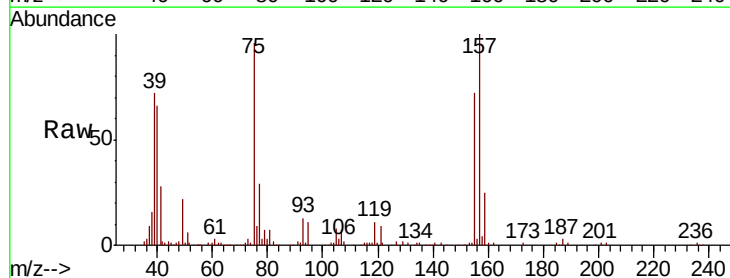
Manual Integrations
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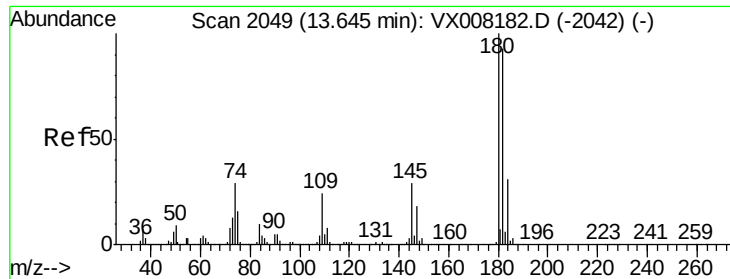
MMDadoda
 3/22/2019 5:34:12 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.213 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX008260.D
 Acq: 20 Mar 2019 23:32

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	27629		
155	78.3	49.7	149.1	
157	100.8	63.8	191.4	





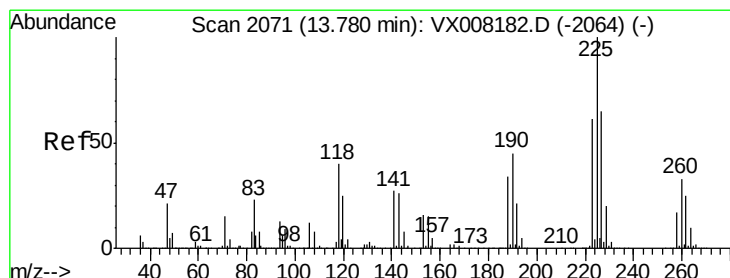
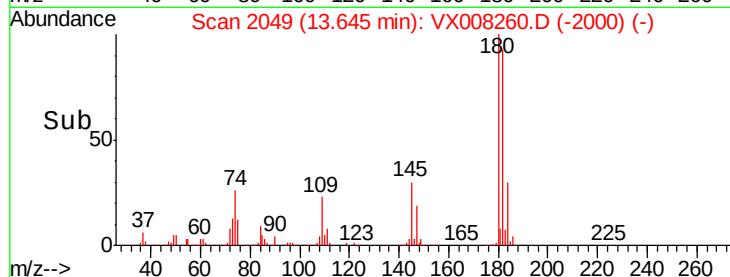
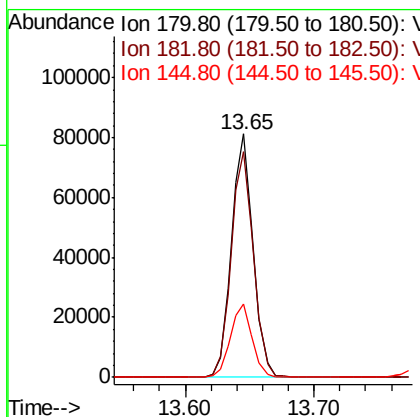
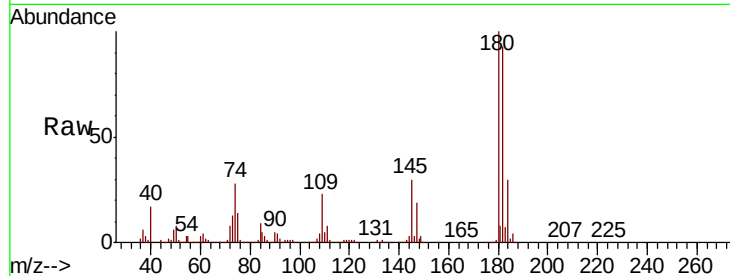
#93
1,2,4-Trichlorobenzene
Concen: 19.407 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. -0.00 min
Lab File: VX008260.D
Acq: 20 Mar 2019 23:32

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	95587		
182	95.3	47.9	143.7	
145	30.3	14.1	42.4	

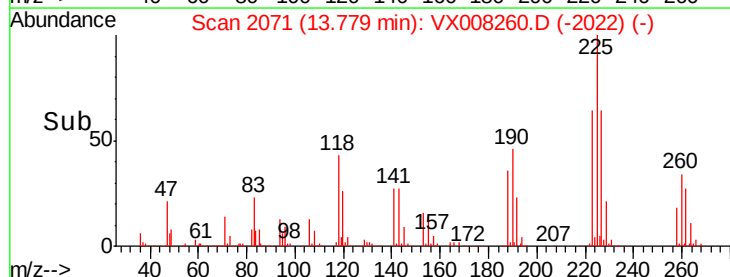
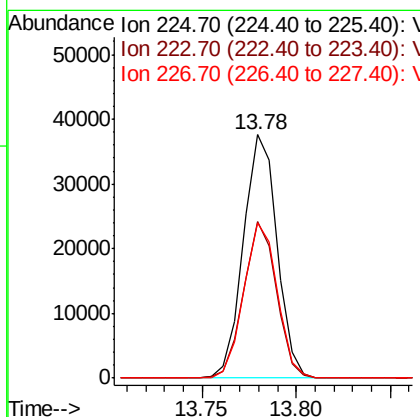
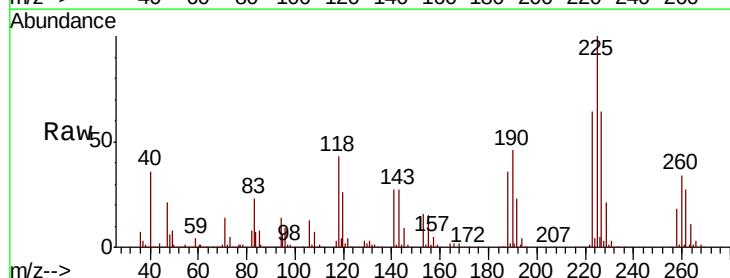
Manual Integrations
APPROVED

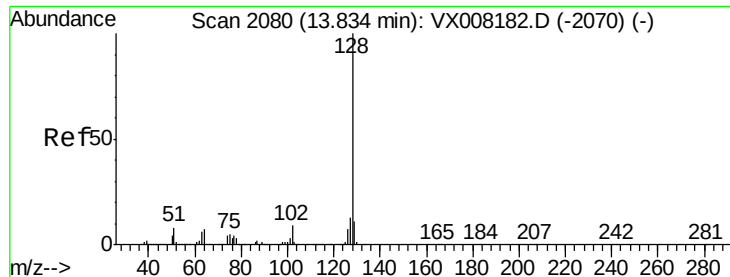
MMDadoda
3/22/2019 5:34:12 PM



#94
Hexachlorobutadiene
Concen: 19.424 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. -0.00 min
Lab File: VX008260.D
Acq: 20 Mar 2019 23:32

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	46660		
223	62.5	31.1	93.2	
227	63.4	32.0	96.0	





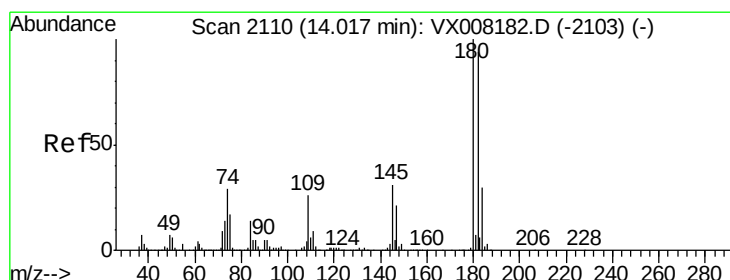
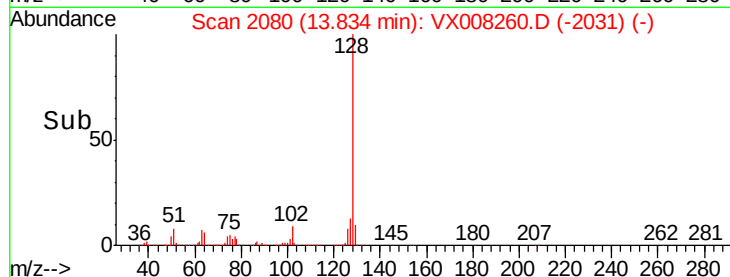
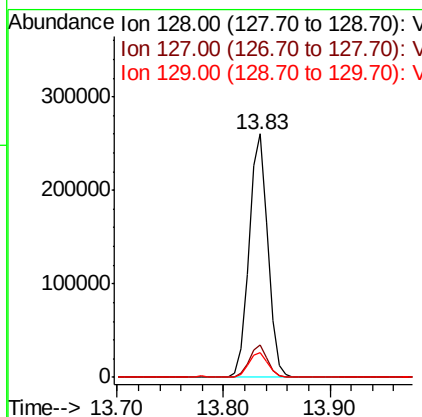
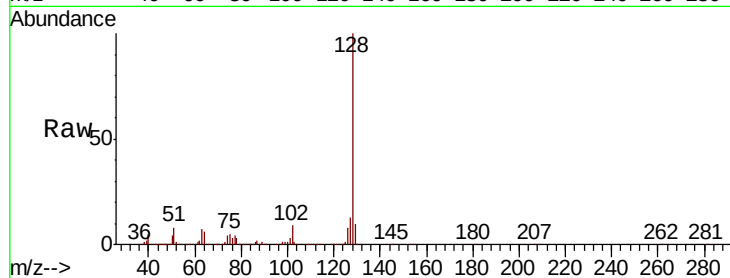
#95
Naphthalene
Concen: 20.637 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX008260.D
Acq: 20 Mar 2019 23:32

Instrument :
MSVOA_X
ClientSampleId :
VX0320WBS02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	320814		
127	13.1		10.3	15.5
129	10.6		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/22/2019 5:34:12 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.158 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX008260.D
Acq: 20 Mar 2019 23:32

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	97694		
182	94.0		47.5	142.5
145	31.8		14.8	44.3

