

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031419\
 Data File : VX008080.D
 Acq On : 14 Mar 2019 20:14
 Operator : JC/SP
 Sample : VX0314WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0314WBSD02

Manual Integrations
 APPROVED

MMDadoda
 3/15/2019 9:06:28 AM

Quant Time: Mar 15 05:02:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031419W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 15 03:56:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	298126	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	433832	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	383443	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	189398	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	145104	48.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.50%	
35) Dibromofluoromethane	5.50	113	135367	49.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.40%	
50) Toluene-d8	8.71	98	516870	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	
62) 4-Bromofluorobenzene	11.13	95	181240	48.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	45752	19.172	ug/l	100
3) Chloromethane	1.33	50	46987	16.722	ug/l	100
4) Vinyl Chloride	1.41	62	48040	17.918	ug/l	98
5) Bromomethane	1.64	94	27484	20.171	ug/l	100
6) Chloroethane	1.73	64	28978	19.658	ug/l	99
7) Trichlorofluoromethane	1.93	101	60346	18.754	ug/l	100
8) Diethyl Ether	2.19	74	34958	21.855	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	2.39	101	48605	20.211	ug/l	97
10) Methyl Iodide	2.51	142	75476	22.465	ug/l	97
11) Tert butyl alcohol	3.07	59	64159	110.426	ug/l	100
12) 1,1-Dichloroethene	2.38	96	47712	20.990	ug/l	94
13) Acrolein	2.30	56	51056	95.398	ug/l	97
14) Allyl chloride	2.73	41	83575	20.186	ug/l	96
15) Acrylonitrile	3.15	53	151683	107.063	ug/l	100
16) Acetone	2.45	43	121764	85.764	ug/l	96
17) Carbon Disulfide	2.57	76	139944	21.442	ug/l	99
18) Methyl Acetate	2.78	43	67120	21.873	ug/l	96
19) Methyl tert-butyl Ether	3.20	73	163630	21.292	ug/l	98
20) Methylene Chloride	2.86	84	53263	21.005	ug/l	92
21) trans-1,2-Dichloroethene	3.17	96	50943	20.801	ug/l	96
22) Diisopropyl ether	3.87	45	172219	20.931	ug/l	94
23) Vinyl Acetate	3.82	43	742479	106.106	ug/l	99
24) 1,1-Dichloroethane	3.70	63	95092	21.084	ug/l	99
25) 2-Butanone	4.70	43	216581	99.383	ug/l	93
26) 2,2-Dichloropropane	4.59	77	60471	17.550	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	60508	20.784	ug/l	96
28) Bromochloromethane	5.02	49	40875	19.189	ug/l	90
29) Tetrahydrofuran	5.15	42	142409	104.681	ug/l	95
30) Chloroform	5.21	83	93237	20.408	ug/l	98
31) Cyclohexane	5.57	56	87586	20.369	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	77728	20.198	ug/l	98
36) 1,1-Dichloropropene	5.80	75	71499	20.033	ug/l	98
37) Ethyl Acetate	4.85	43	79580	20.746	ug/l	97
38) Carbon Tetrachloride	5.78	117	67608	19.680	ug/l	96

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	87099	19.092	ug/l	97
40) Benzene	6.14	78	221193	20.230	ug/l	99
41) Methacrylonitrile	5.06	41	44826	20.071	ug/l	97
42) 1,2-Dichloroethane	6.20	62	68205	19.500	ug/l	98
43) Isopropyl Acetate	6.46	43	122991	19.910	ug/l	97
44) Trichloroethene	7.21	130	62001	19.649	ug/l	100
45) 1,2-Dichloropropane	7.51	63	57330	19.875	ug/l	99
46) Dibromomethane	7.67	93	36510	20.194	ug/l	97
47) Bromodichloromethane	7.90	83	65591	19.076	ug/l	98
48) Methyl methacrylate	7.77	41	63378	19.644	ug/l	96
49) 1,4-Dioxane	7.75	88	28926	415.691	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	407706	100.140	ug/l	98
52) Toluene	8.78	92	139452	20.065	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	71047	18.849	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	81645	19.490	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	56288	19.891	ug/l	99
56) Ethyl methacrylate	9.18	69	84558	20.228	ug/l	95
57) 1,3-Dichloropropane	9.37	76	92292	19.707	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	235818	95.892	ug/l	97
59) 2-Hexanone	9.49	43	307148	96.464	ug/l	97
60) Dibromochloromethane	9.58	129	55754	19.116	ug/l	99
61) 1,2-Dibromoethane	9.67	107	59891	20.198	ug/l	100
64) Tetrachloroethene	9.34	164	62139	20.001	ug/l	97
65) Chlorobenzene	10.14	112	152952	20.101	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	54222	20.079	ug/l	99
67) Ethyl Benzene	10.25	91	253822	20.153	ug/l	98
68) m/p-Xylenes	10.36	106	194593	40.377	ug/l	100
69) o-Xylene	10.69	106	95665	20.362	ug/l	99
70) Styrene	10.71	104	157076	20.409	ug/l	99
71) Bromoform	10.85	173	42511	19.022	ug/l #	99
73) Isopropylbenzene	11.02	105	254853	21.009	ug/l	99
74) N-amyl acetate	10.90	43	102999	20.128	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.27	83	83306	20.959	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	79924m	24.298	ug/l	
77) Bromobenzene	11.26	156	69707	21.053	ug/l	97
78) n-propylbenzene	11.36	91	274957	20.660	ug/l	100
79) 2-Chlorotoluene	11.42	91	167481	20.606	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	211653	21.174	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	21665	18.743	ug/l	97
82) 4-Chlorotoluene	11.51	91	187558	20.148	ug/l	99
83) tert-Butylbenzene	11.77	119	208919	20.856	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	215514	20.902	ug/l	100
85) sec-Butylbenzene	11.94	105	247386	20.728	ug/l	100
86) p-Isopropyltoluene	12.06	119	224188	20.770	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	119528	20.284	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	120054	20.063	ug/l	99
89) n-Butylbenzene	12.38	91	176209	19.510	ug/l	99
90) Hexachloroethane	12.60	117	33727	19.524	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	119774	20.486	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	15855	19.730	ug/l	91

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ClientSampleId :
VX0314WBSD02

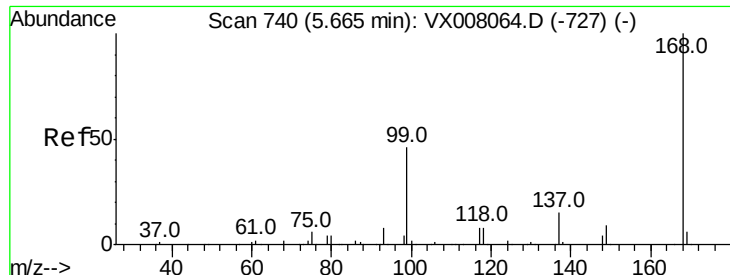
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Quant Title : SW846 8260
QLast Update : Fri Mar 15 03:56:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	83095	20.064	ug/l	99
94) Hexachlorobutadiene	13.78	225	44308	19.692	ug/l	100
95) Naphthalene	13.83	128	247997	21.296	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	83232	20.415	ug/l	98

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



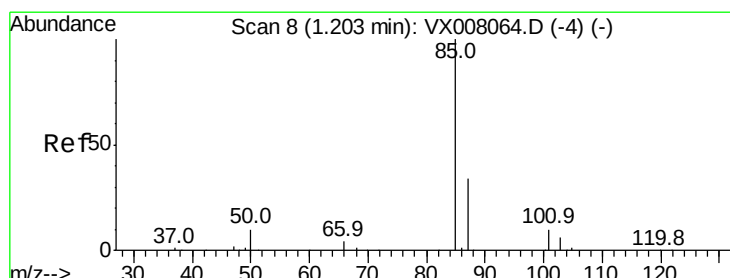
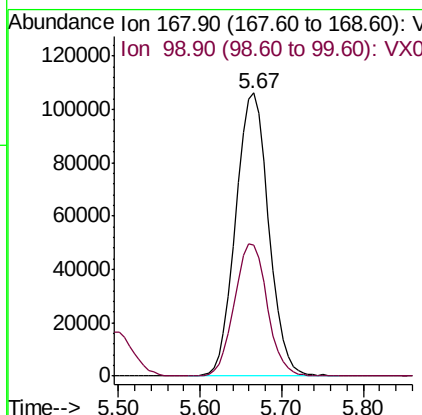
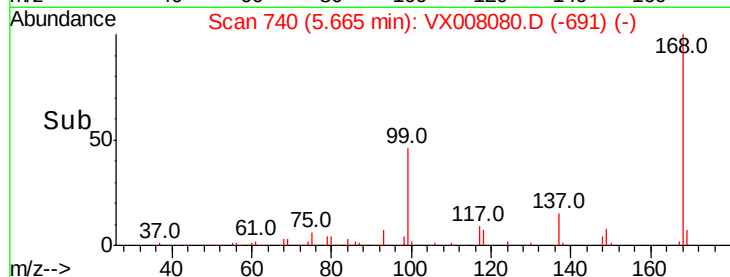
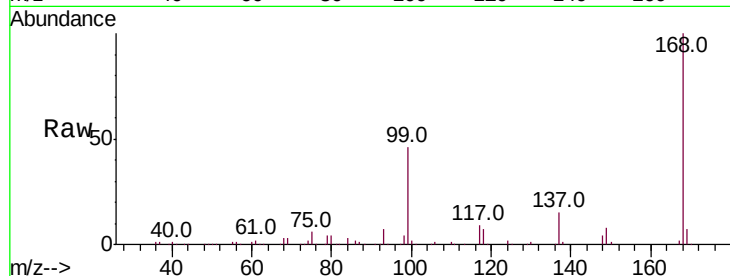
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.00 min
Lab File: VX008080.D
Acq: 14 Mar 2019 20:14

Instrument :
MSVOA_X
ClientSampleId :
VX0314WBSD02

Tot Ion	Ratio	Lower	Upper
168	100		
99	46.1	37.6	56.4

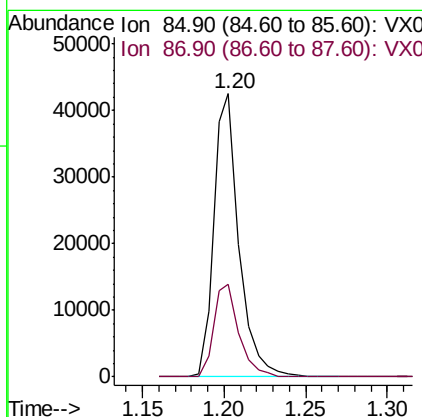
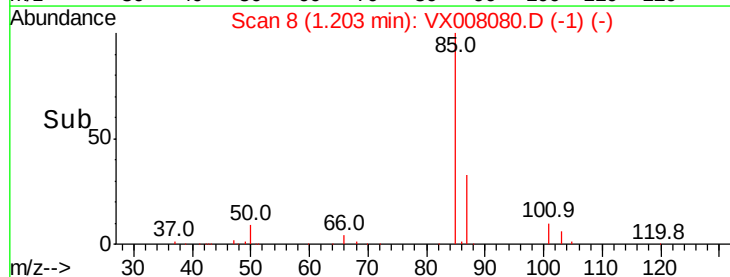
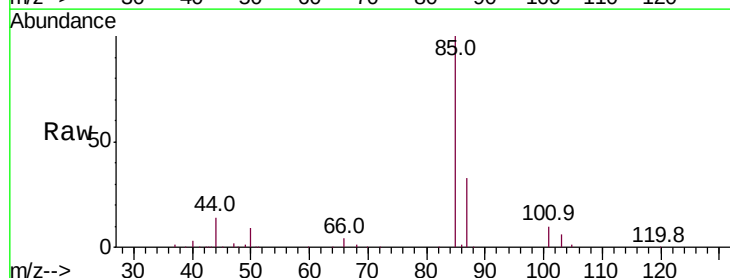
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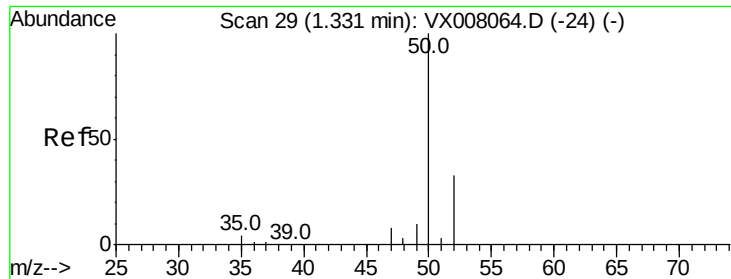
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#2
Dichlorodifluoromethane
Concen: 19.172 ug/l
RT: 1.20 min Scan# 8
Delta R.T. 0.00 min
Lab File: VX008080.D
Acq: 14 Mar 2019 20:14

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.8	16.4	49.1





#3

Chloromethane

Concen: 16.722 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX008080.D

Acq: 14 Mar 2019 20:14

Instrument :

MSVOA_X

ClientSampleId :

VX0314WBSD02

Tot Ion: 50 Resp: 46987

Ion Ratio Lower Upper

50 100

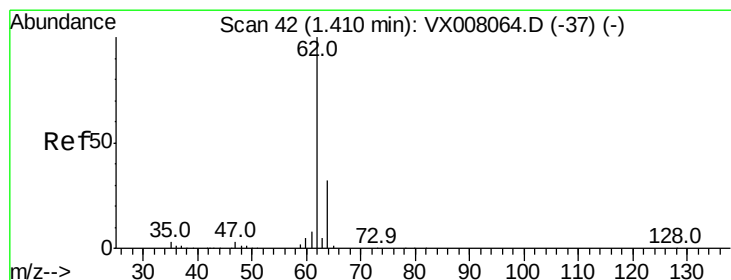
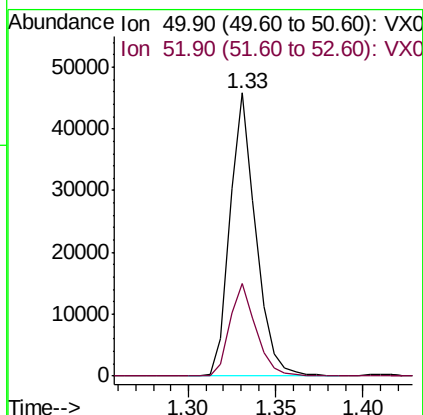
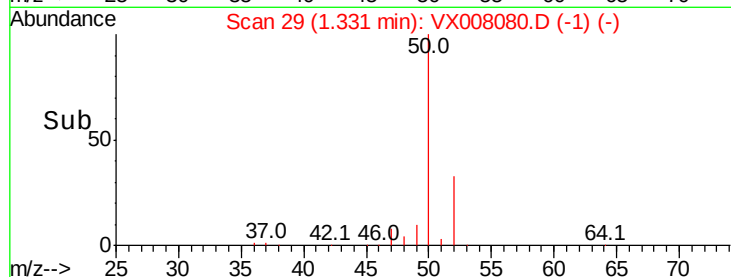
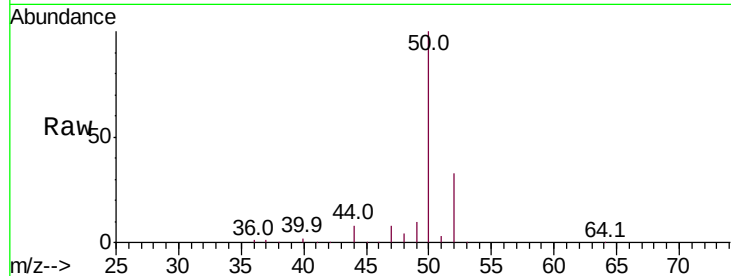
52 32.9 26.5 39.7

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#4

Vinyl Chloride

Concen: 17.918 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX008080.D

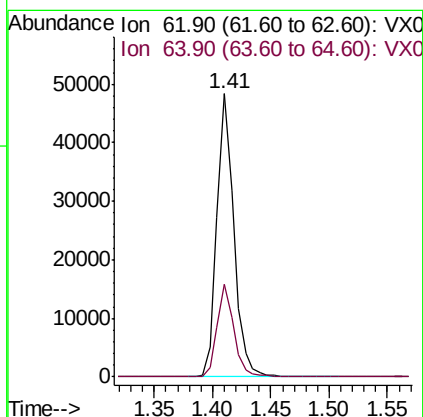
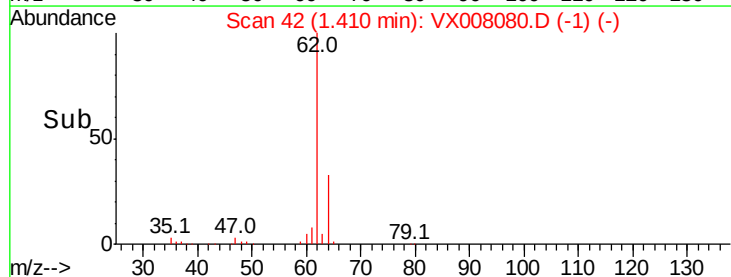
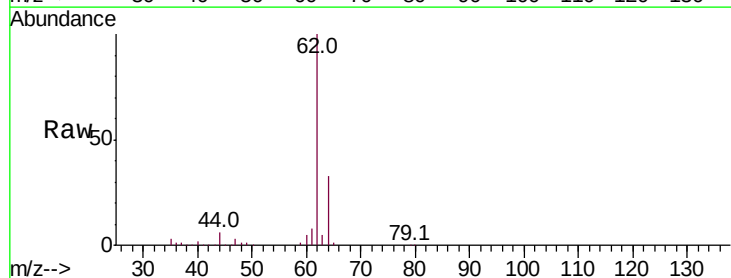
Acq: 14 Mar 2019 20:14

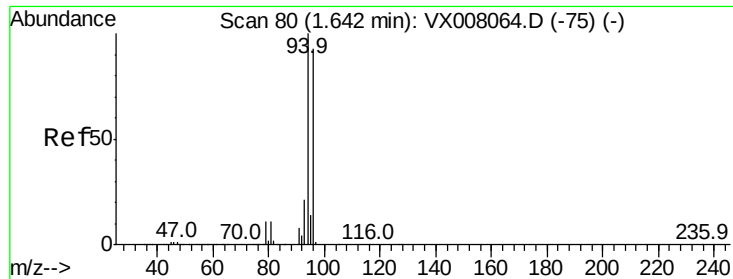
Tgt Ion: 62 Resp: 48040

Ion Ratio Lower Upper

62 100

64 32.6 25.3 37.9





#5

Bromomethane

Concen: 20.171 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX008080.D

Acq: 14 Mar 2019 20:14

Instrument :

MSVOA_X

ClientSampleId :

VX0314WBSD02

Tot Ion: 94 Resp: 27484

Ion Ratio Lower Upper

94 100

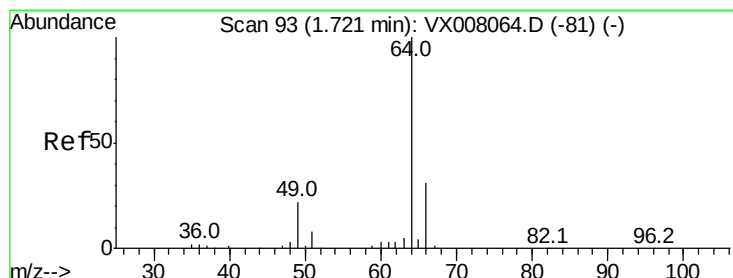
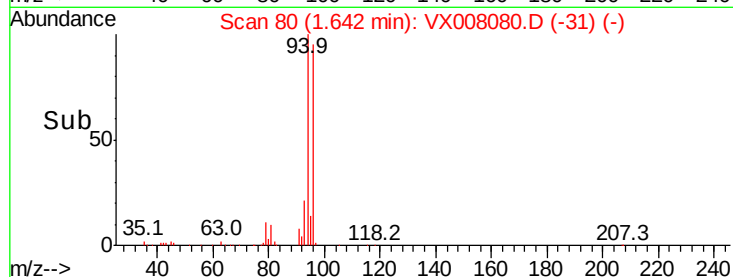
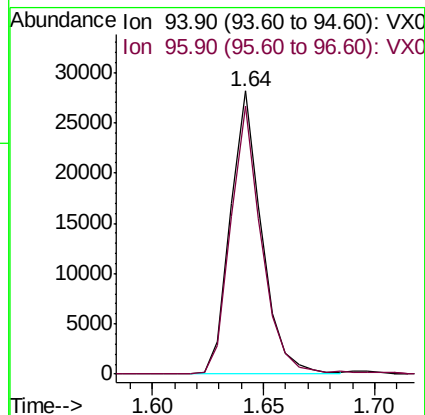
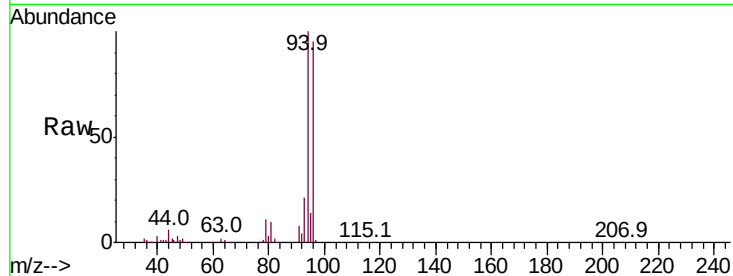
96 94.3 75.5 113.3

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#6

Chloroethane

Concen: 19.658 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX008080.D

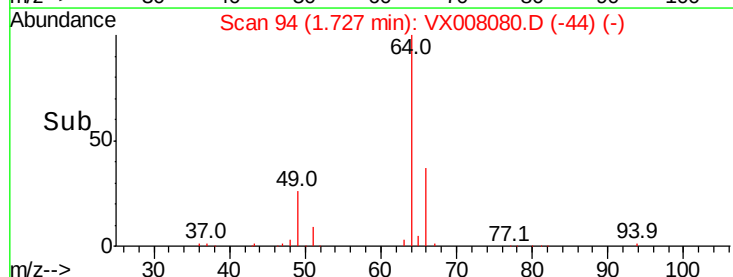
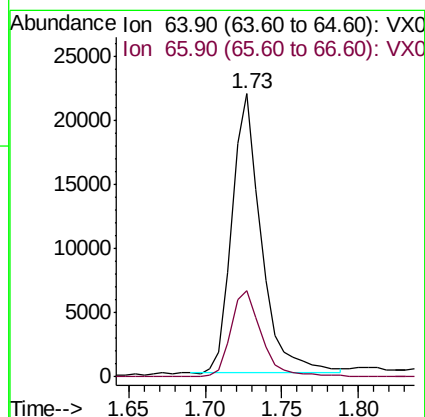
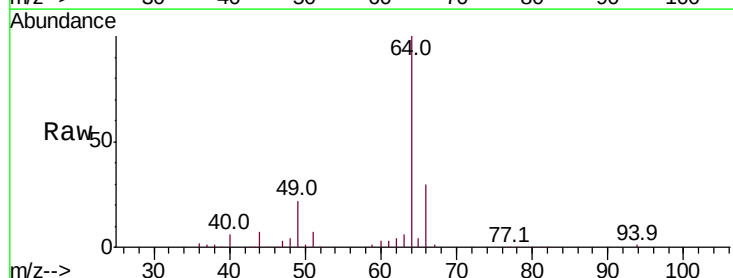
Acq: 14 Mar 2019 20:14

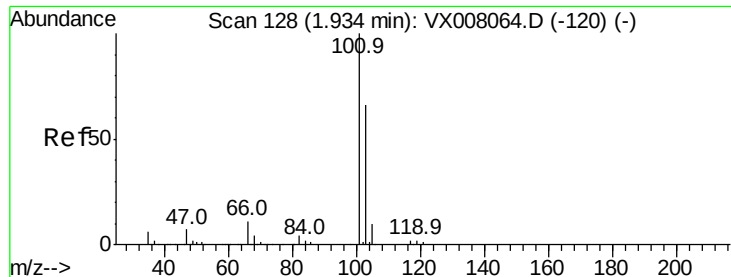
Tgt Ion: 64 Resp: 28978

Ion Ratio Lower Upper

64 100

66 30.8 25.2 37.8





#7

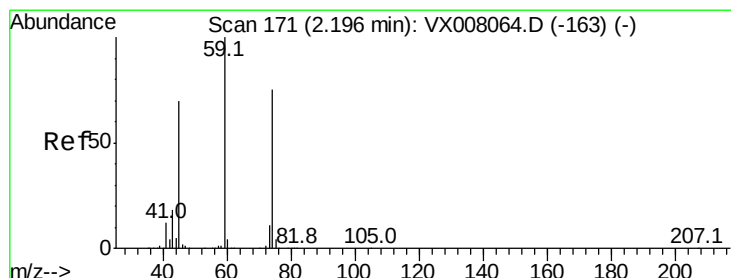
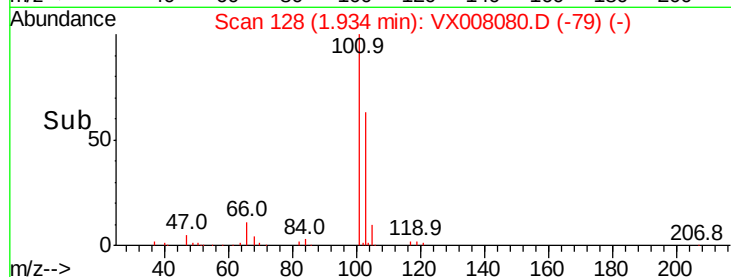
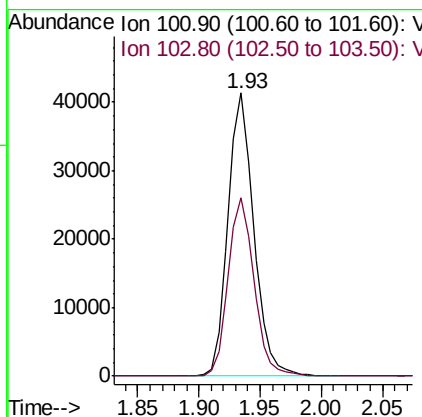
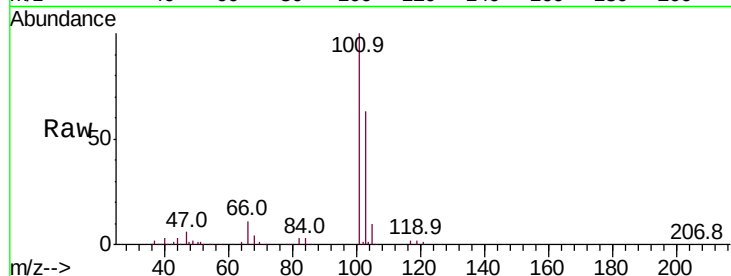
Trichlorofluoromethane
 Concen: 18.754 ug/l
 RT: 1.93 min Scan# 128
 Delta R.T. 0.00 min
 Lab File: VX008080.D
 Acq: 14 Mar 2019 20:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0314WBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.2	50.4	75.6

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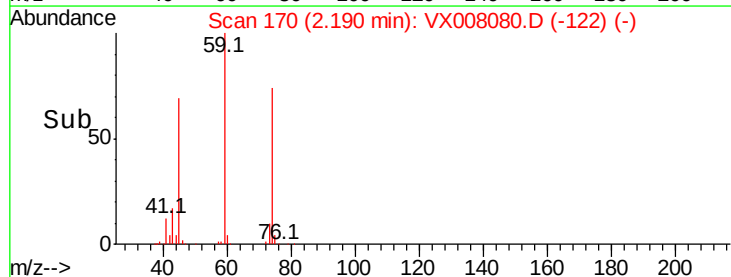
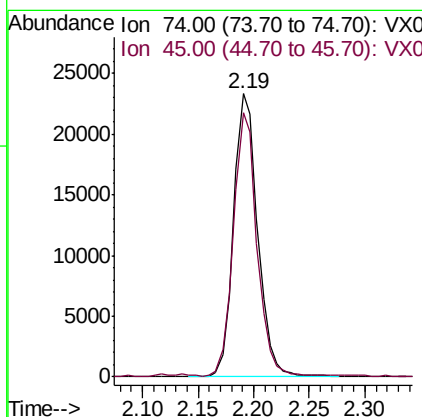
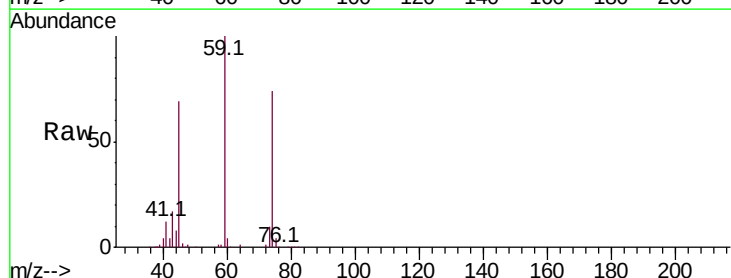
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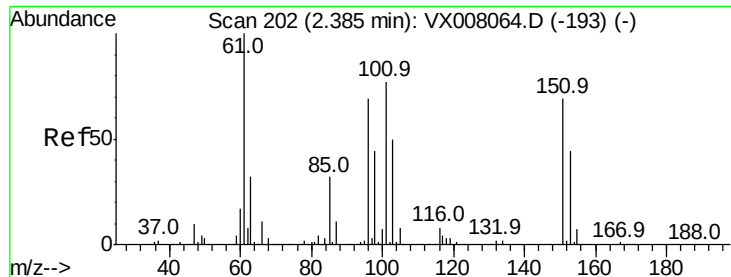


#8

Diethyl Ether
 Concen: 21.855 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.01 min
 Lab File: VX008080.D
 Acq: 14 Mar 2019 20:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.2	52.1	156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.211 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX008080.D

Acq: 14 Mar 2019 20:14

Instrument :

MSVOA_X

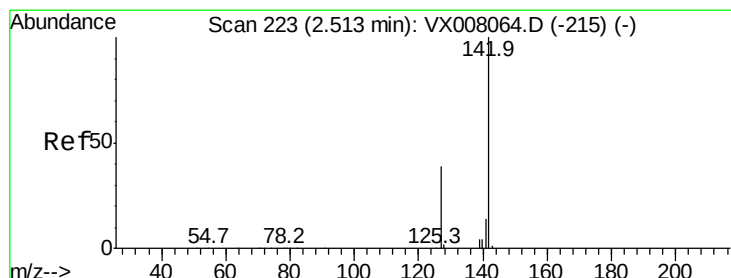
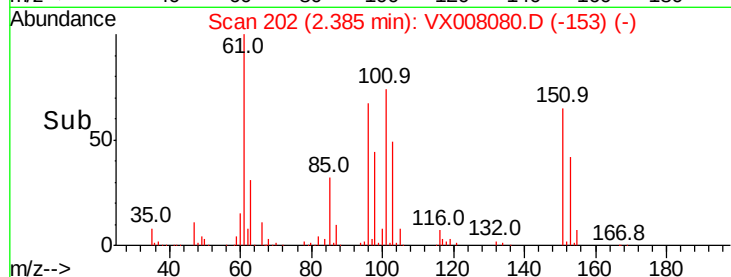
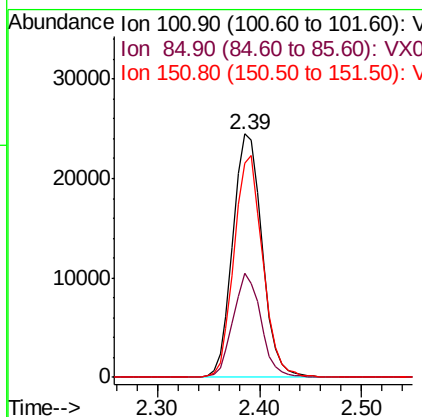
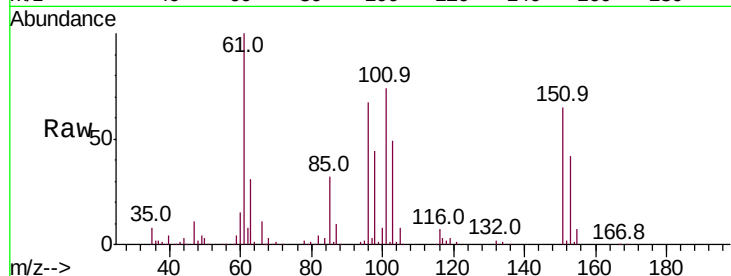
ClientSampleId :

VX0314WBSD02

Tot Ion:	101	Resp:	48605
Ion Ratio	Lower	Upper	
101	100		
85	40.6	33.8	50.6
151	89.1	69.1	103.7

Manual Integrations
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#10

Methyl Iodide

Concen: 22.465 ug/l

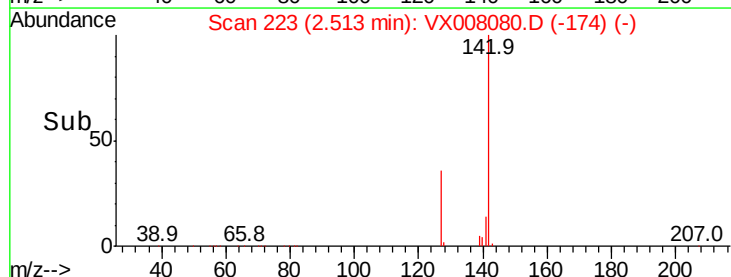
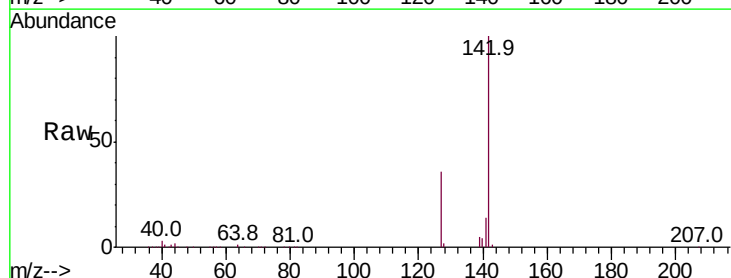
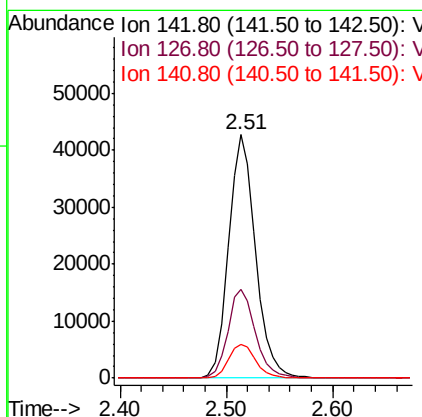
RT: 2.51 min Scan# 223

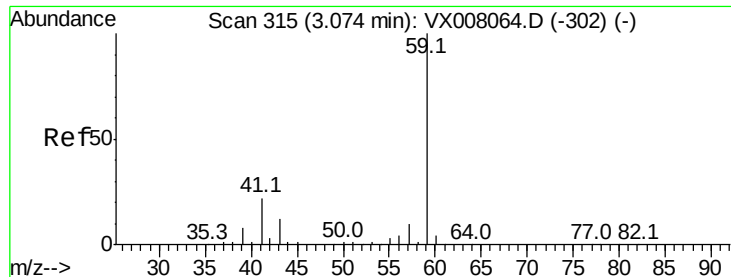
Delta R.T. 0.00 min

Lab File: VX008080.D

Acq: 14 Mar 2019 20:14

Tgt Ion:	142	Resp:	75476
Ion Ratio	Lower	Upper	
142	100		
127	37.2	32.1	48.1
141	14.3	11.4	17.2





#11

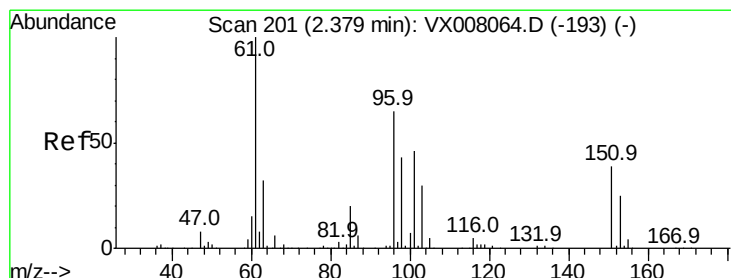
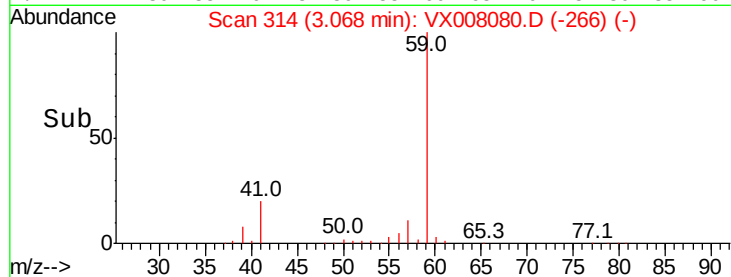
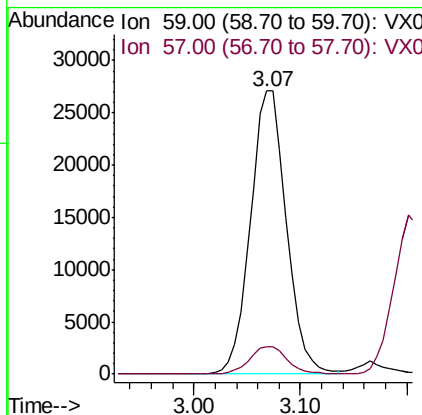
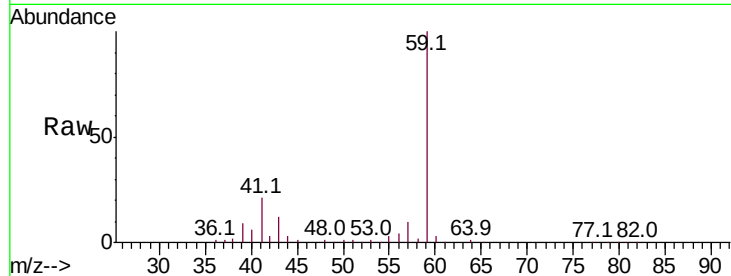
Tert butyl alcohol
 Concen: 110.426 ug/l
 RT: 3.07 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VX008080.D
 Acq: 14 Mar 2019 20:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0314WBSD02

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.2

Manual Integrations
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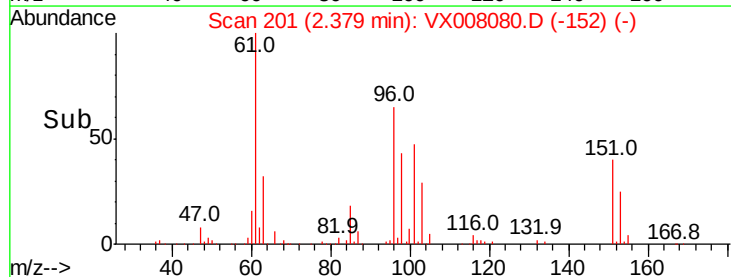
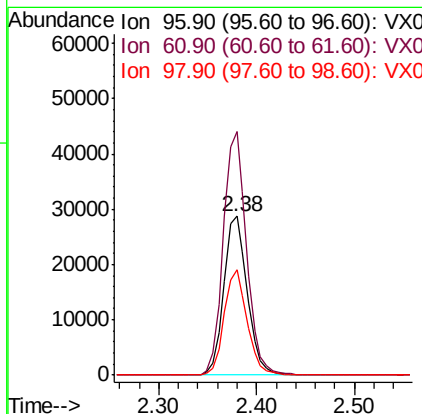
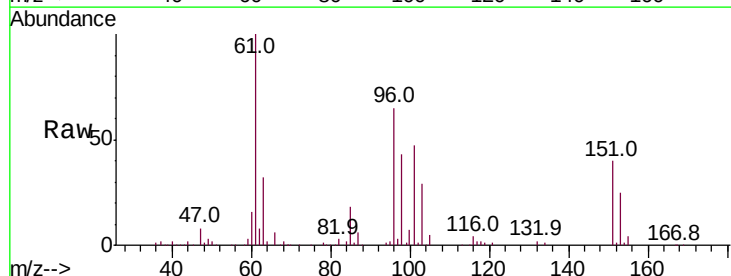
MMDadoda
 3/15/2019 9:06:28 AM

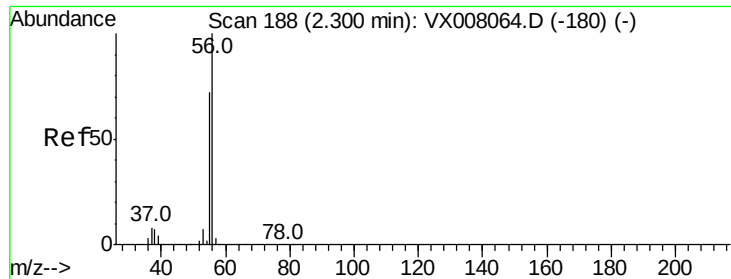


#12

1,1-Dichloroethene
 Concen: 20.990 ug/l
 RT: 2.38 min Scan# 201
 Delta R.T. 0.00 min
 Lab File: VX008080.D
 Acq: 14 Mar 2019 20:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.2	129.8	194.6
98	66.4	51.0	76.6





#13

Acrolein

Concen: 95.398 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.00 min

Lab File: VX008080.D

Acq: 14 Mar 2019 20:14

Instrument :

MSVOA_X

ClientSampleId :

VX0314WBSD02

Tot Ion: 56 Resp: 51056

Ion Ratio Lower Upper

56 100

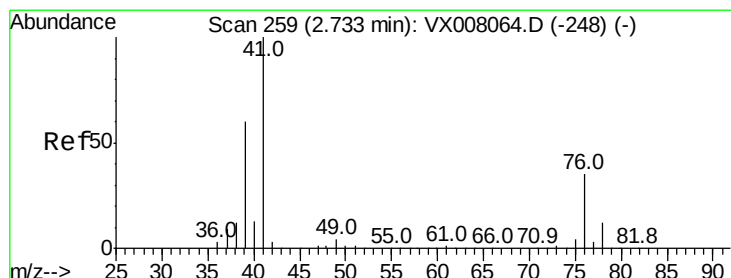
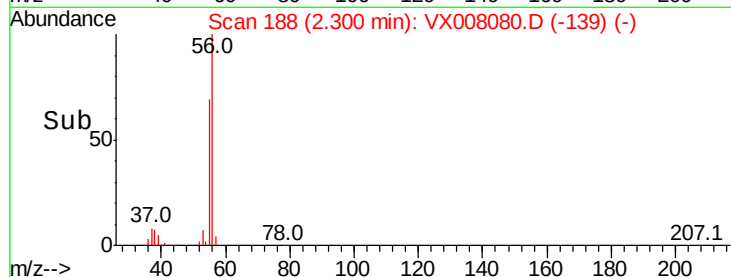
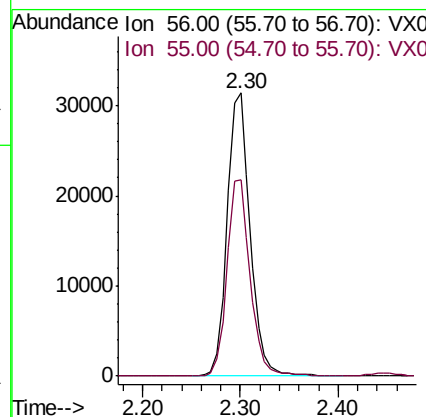
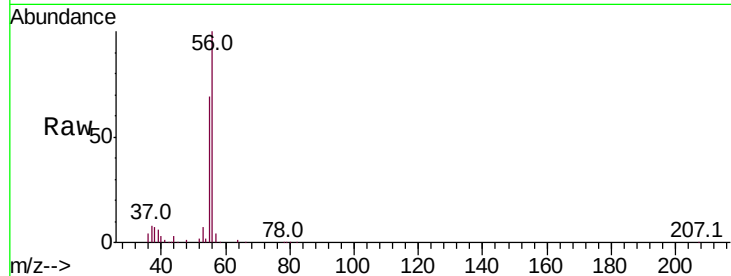
55 70.1 57.8 86.6

Manual Integrations

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#14

Allyl chloride

Concen: 20.186 ug/l

RT: 2.73 min Scan# 259

Delta R.T. 0.00 min

Lab File: VX008080.D

Acq: 14 Mar 2019 20:14

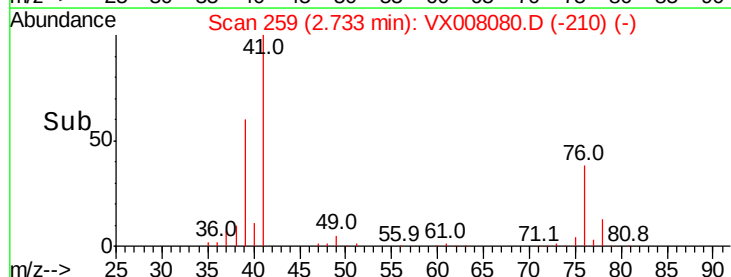
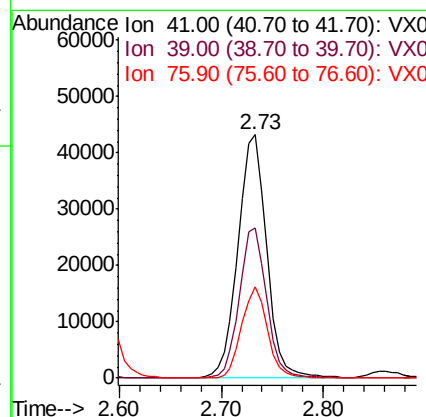
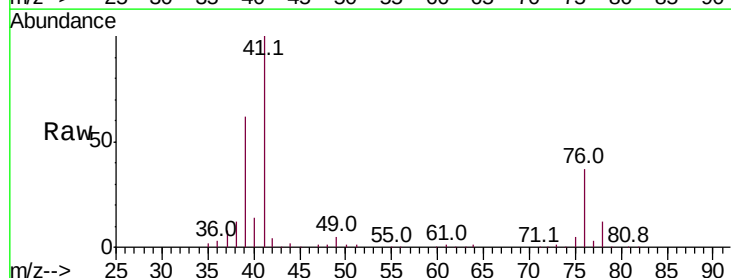
Tgt Ion: 41 Resp: 83575

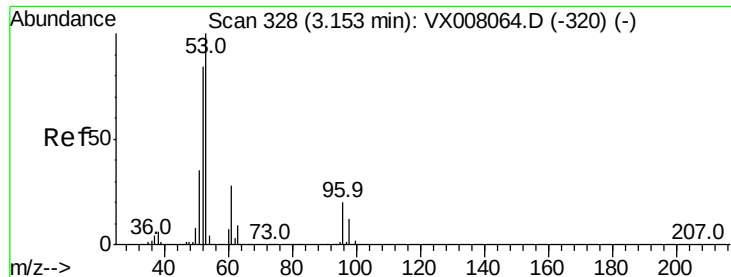
Ion Ratio Lower Upper

41 100

39 59.1 46.1 69.1

76 34.0 24.0 36.0





#15

Acrylonitrile

Concen: 107.063 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX008080.D

Acq: 14 Mar 2019 20:14

Instrument :

MSVOA_X

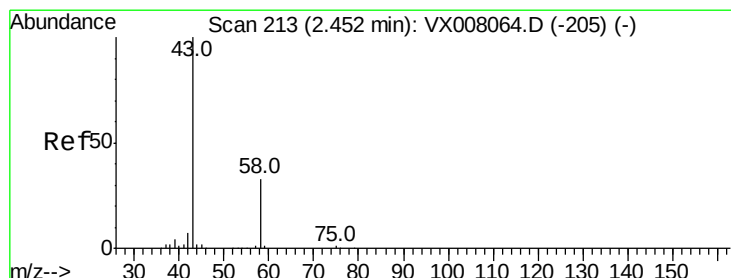
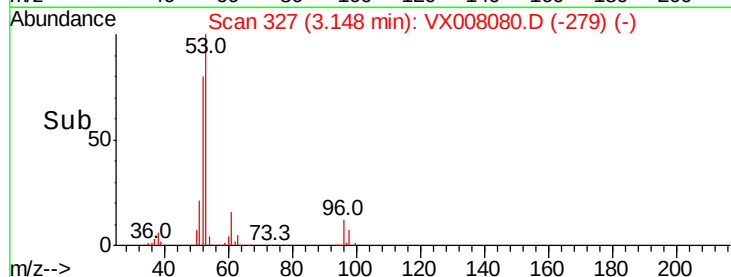
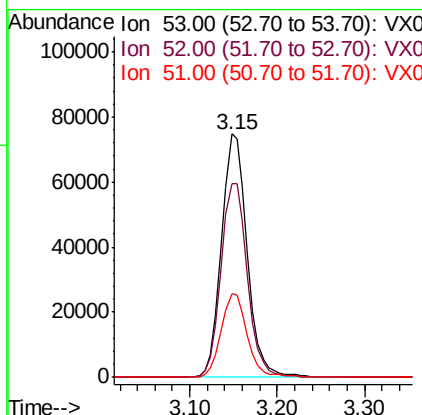
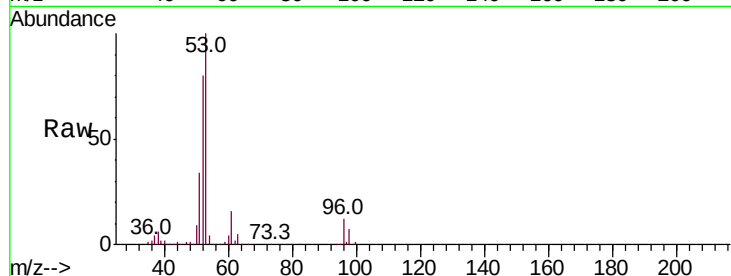
ClientSampleId :

VX0314WBSD02

Tot Ion:	53	Resp:	151683
Ion Ratio	Lower	Upper	
53	100		
52	82.3	66.0	99.0
51	35.3	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 85.764 ug/l

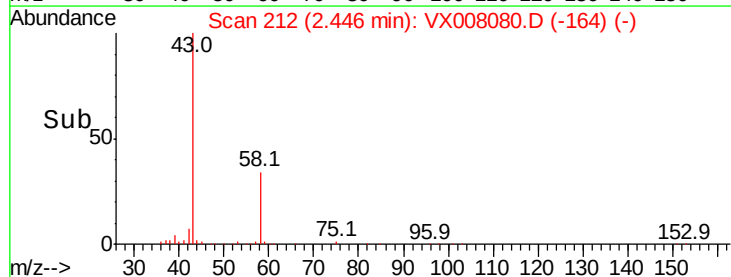
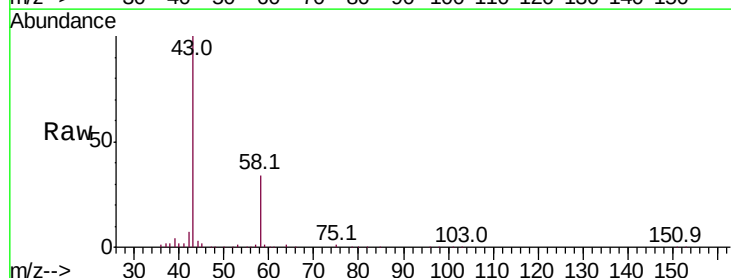
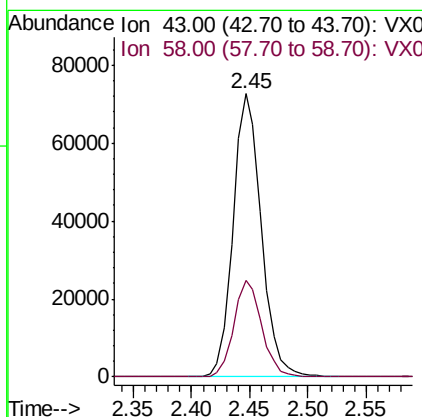
RT: 2.45 min Scan# 212

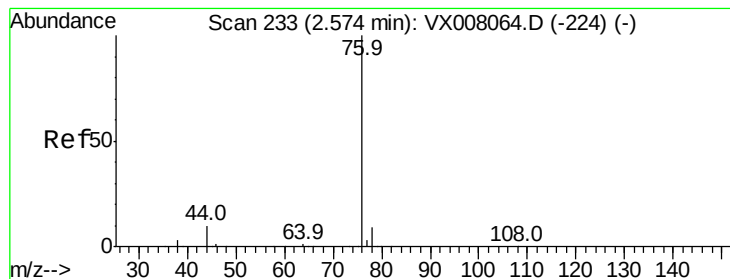
Delta R.T. -0.01 min

Lab File: VX008080.D

Acq: 14 Mar 2019 20:14

Tgt Ion:	43	Resp:	121764
Ion Ratio	Lower	Upper	
43	100		
58	34.1	25.5	38.3





#17

Carbon Disulfide

Concen: 21.442 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX008080.D

Acq: 14 Mar 2019 20:14

Instrument :

MSVOA_X

ClientSampleId :

VX0314WBSD02

Tot Ion: 76 Resp: 139944

Ion Ratio Lower Upper

76 100

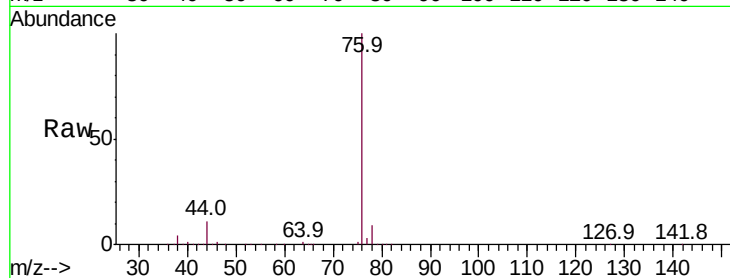
78 9.2 7.2 10.8

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

80000

60000

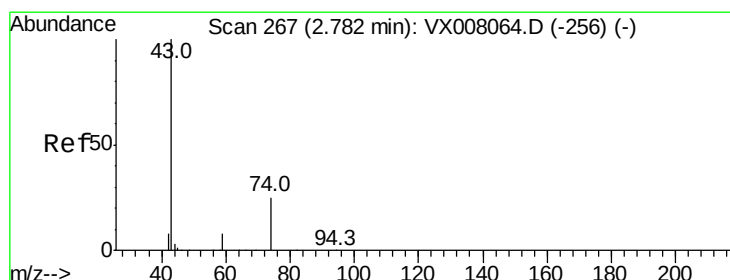
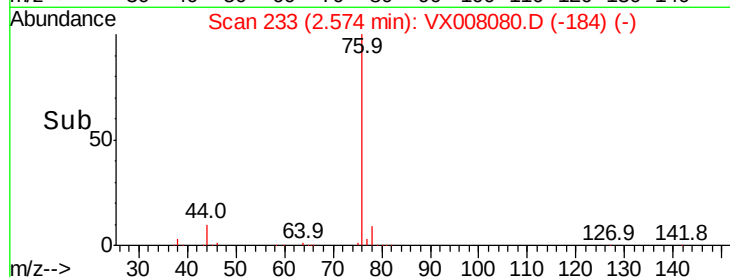
40000

20000

0

Time-->

2.50 2.55 2.60 2.65 2.70



#18

Methyl Acetate

Concen: 21.873 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX008080.D

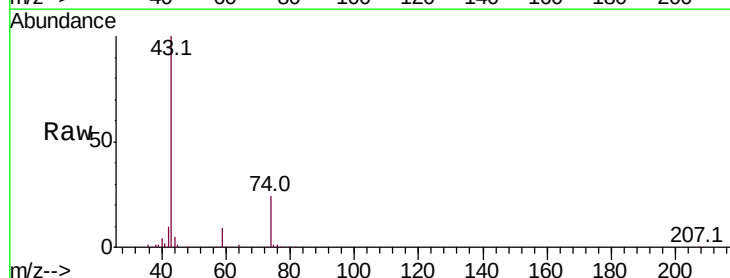
Acq: 14 Mar 2019 20:14

Tgt Ion: 43 Resp: 67120

Ion Ratio Lower Upper

43 100

74 24.1 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

40000

30000

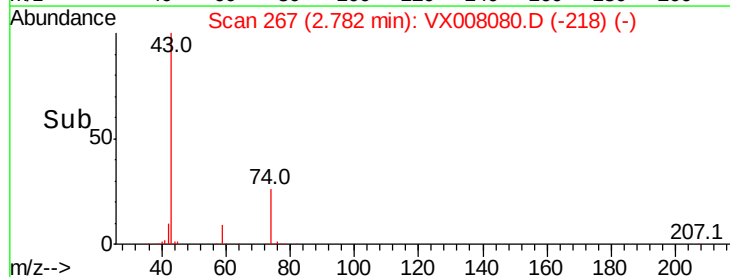
20000

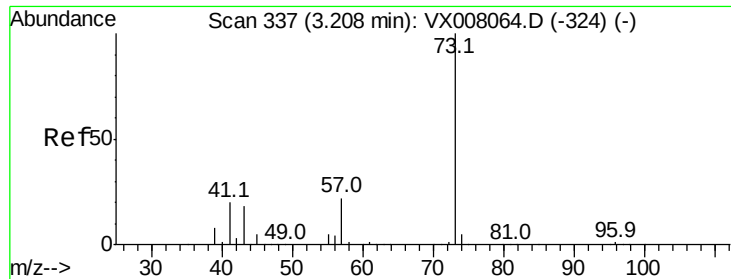
10000

0

Time-->

2.70 2.80





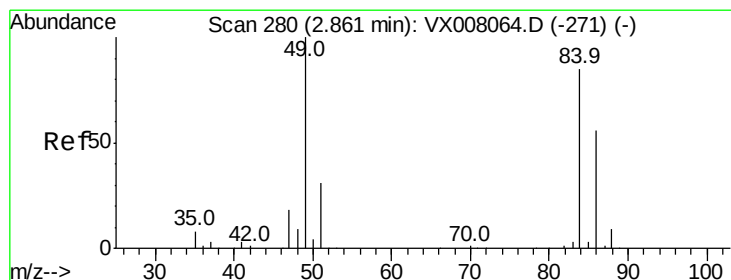
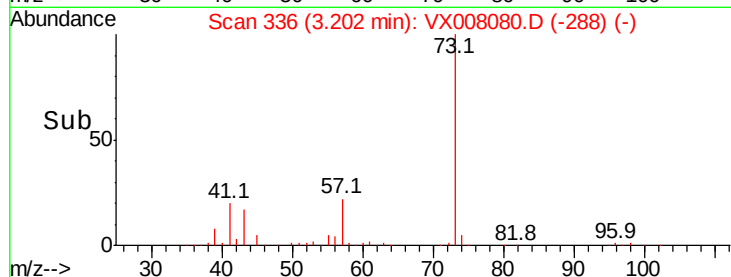
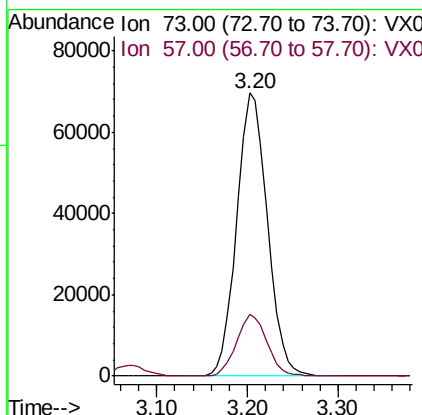
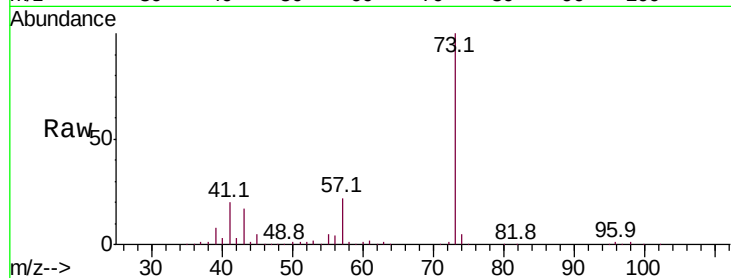
#19
Methyl tert-butyl Ether
Concen: 21.292 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.01 min
Lab File: VX008080.D
Acq: 14 Mar 2019 20:14

Instrument :
MSVOA_X
ClientSampleId :
VX0314WBSD02

Tot Ion: 73 Resp: 163630
Ion Ratio Lower Upper
73 100
57 21.9 18.2 27.4

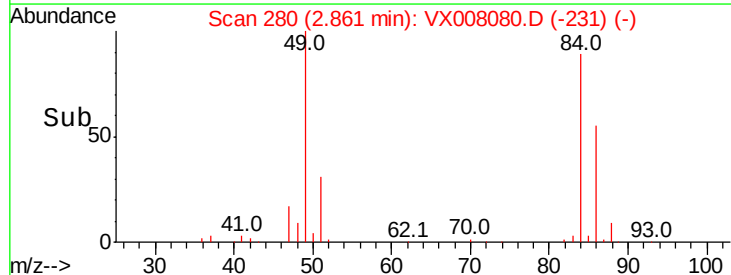
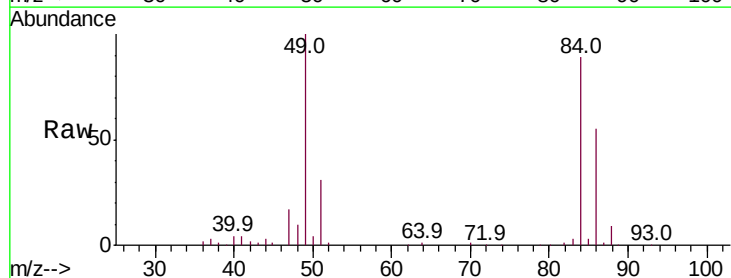
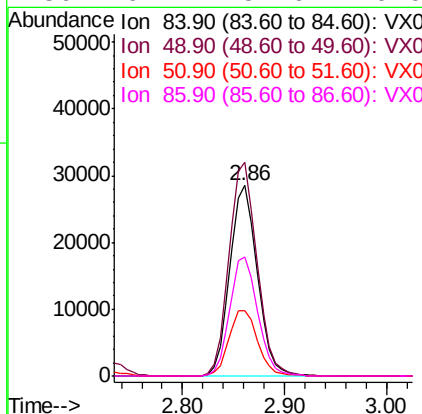
Manual Integrations
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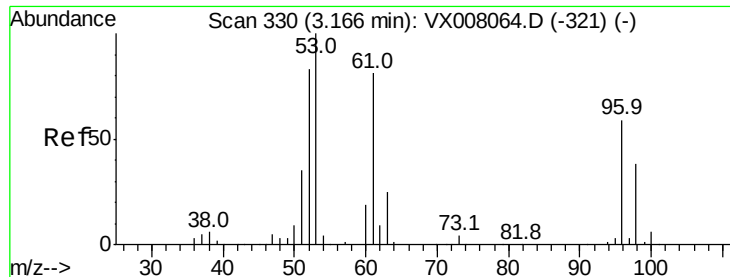
MMDadoda
3/15/2019 9:06:28 AM



#20
Methylene Chloride
Concen: 21.005 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX008080.D
Acq: 14 Mar 2019 20:14

Tgt Ion: 84 Resp: 53263
Ion Ratio Lower Upper
84 100
49 112.1 99.3 148.9
51 34.3 31.3 46.9
86 62.2 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 20.801 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX008080.D

Acq: 14 Mar 2019 20:14

Instrument :

MSVOA_X

ClientSampleId :

VX0314WBSD02

Tot Ion: 96 Resp: 50943

Ion Ratio Lower Upper

96 100

61 137.3 114.4 171.6

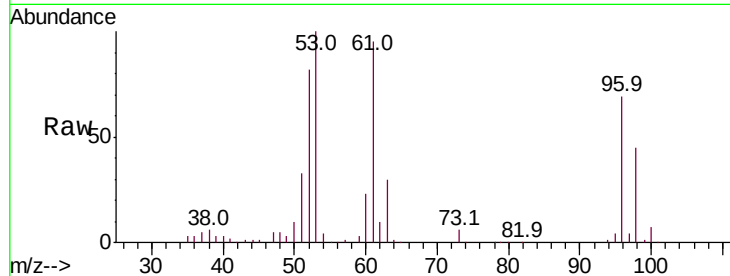
98 65.5 51.1 76.7

Manual Integrations

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MMDadoda

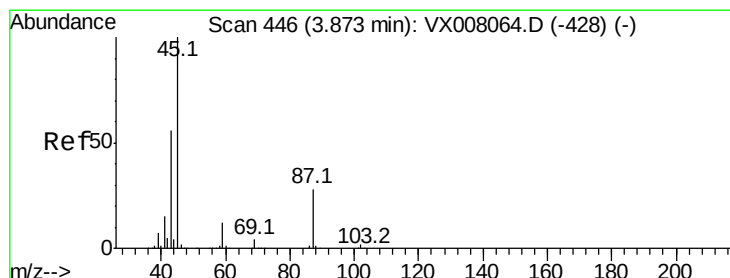
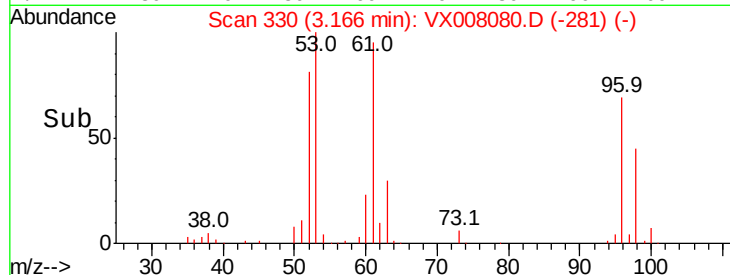
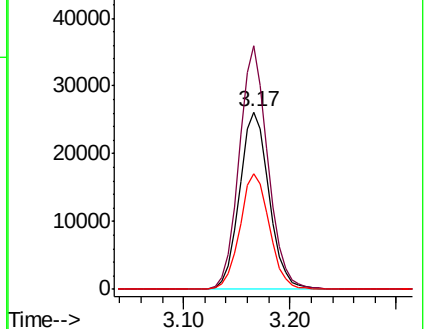
3/15/2019 9:06:28 AM



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 20.931 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.01 min

Lab File: VX008080.D

Acq: 14 Mar 2019 20:14

Tgt Ion: 45 Resp: 172219

Ion Ratio Lower Upper

45 100

43 62.8 45.3 67.9

87 28.6 21.4 32.0

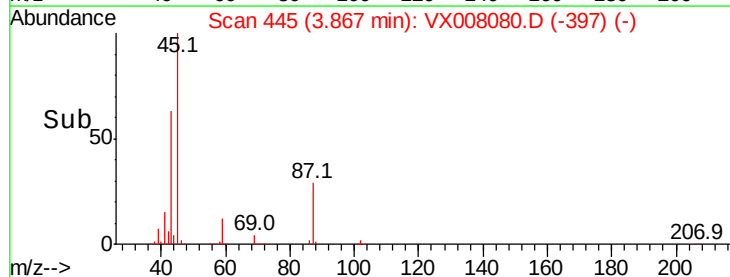
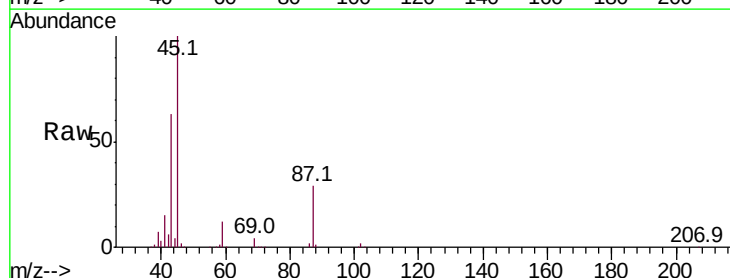
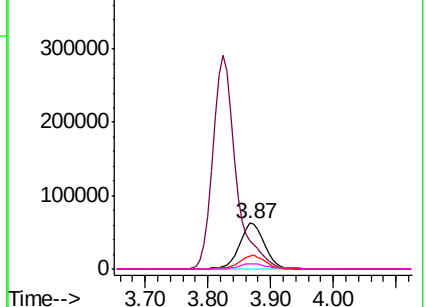
59 11.5 9.5 14.3

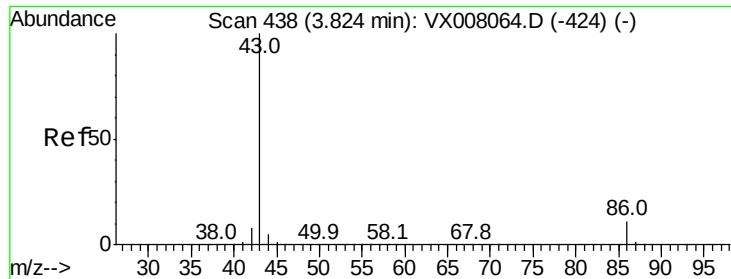
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 106.106 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX008080.D

Acq: 14 Mar 2019 20:14

Instrument :

MSVOA_X

ClientSampleId :

VX0314WBSD02

Tot Ion: 43 Resp: 742479

Ion Ratio Lower Upper

43 100

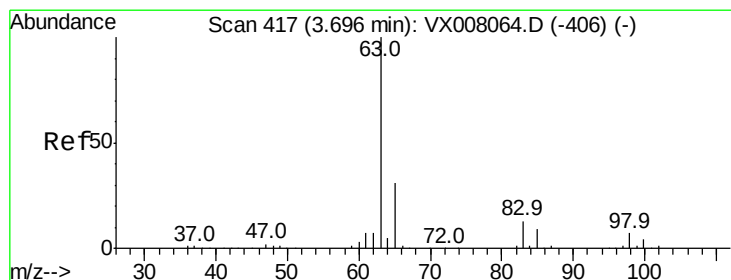
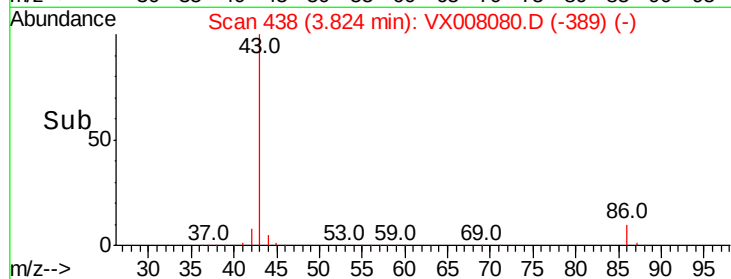
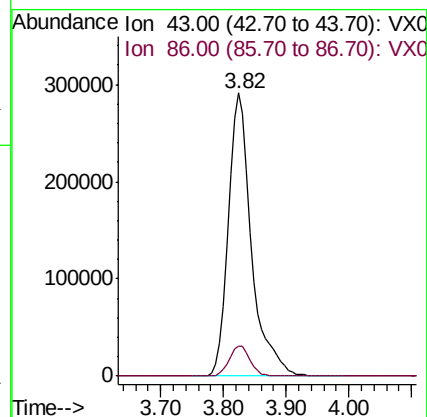
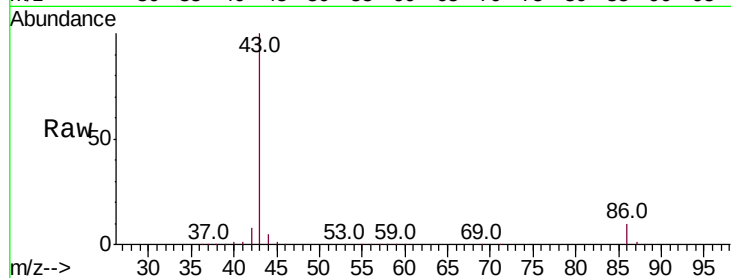
86 10.4 7.9 11.9

Manual Integrations

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3/15/2019 9:06:28 AM



#24

1,1-Dichloroethane

Concen: 21.084 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX008080.D

Acq: 14 Mar 2019 20:14

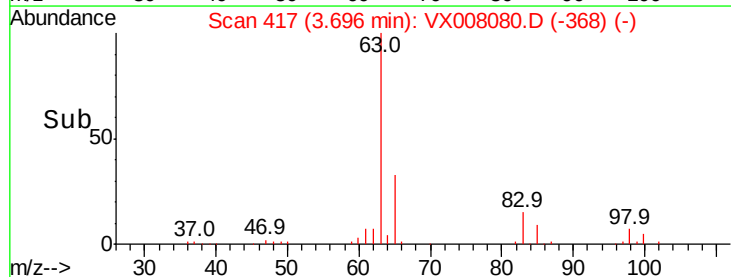
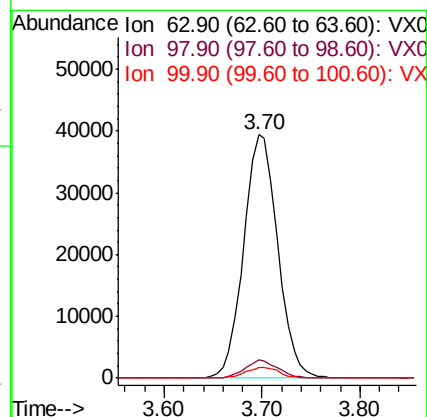
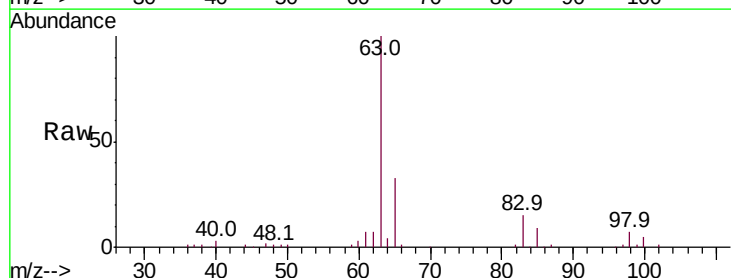
Tgt Ion: 63 Resp: 95092

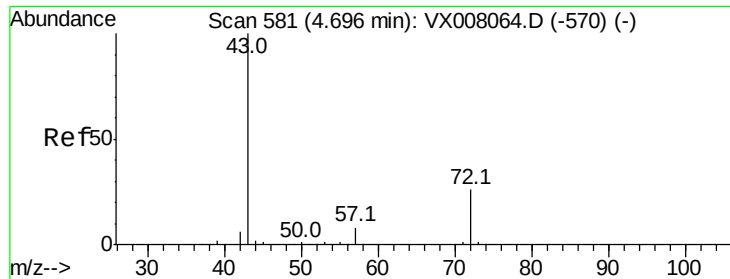
Ion Ratio Lower Upper

63 100

98 7.3 3.3 9.8

100 4.5 2.3 6.8





#25

2-Butanone

Concen: 99.383 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.00 min

Lab File: VX008080.D

Acq: 14 Mar 2019 20:14

Instrument :

MSVOA_X

ClientSampleId :

VX0314WBSD02

Tot Ion: 43 Resp: 216581

Ion Ratio Lower Upper

43 100

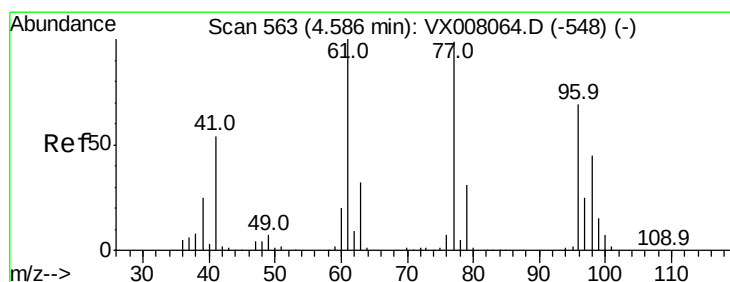
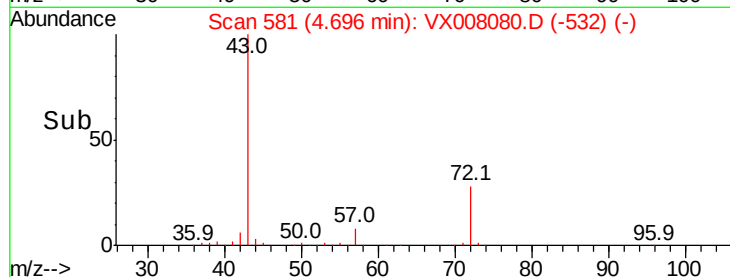
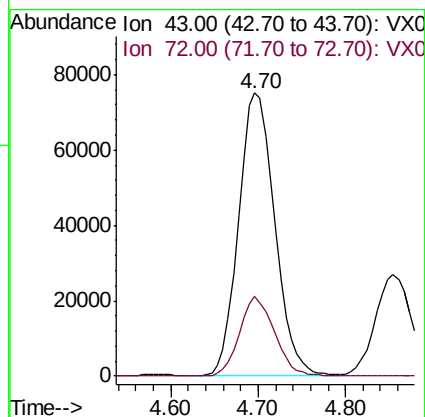
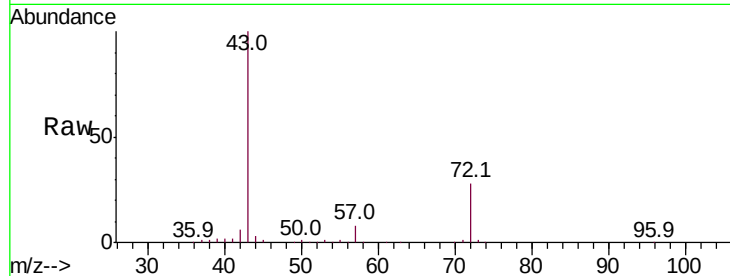
72 28.2 19.9 29.9

Manual Integrations

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3/15/2019 9:06:28 AM



#26

2,2-Dichloropropane

Concen: 17.550 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX008080.D

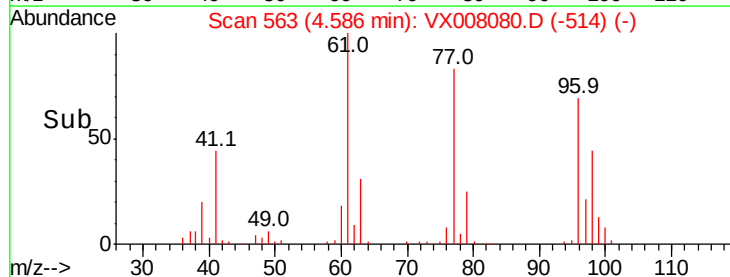
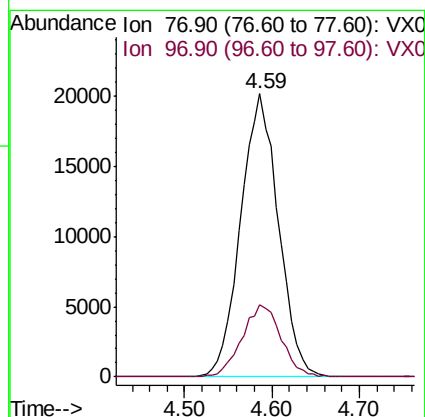
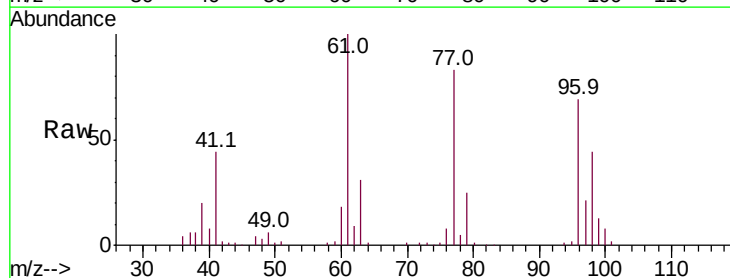
Acq: 14 Mar 2019 20:14

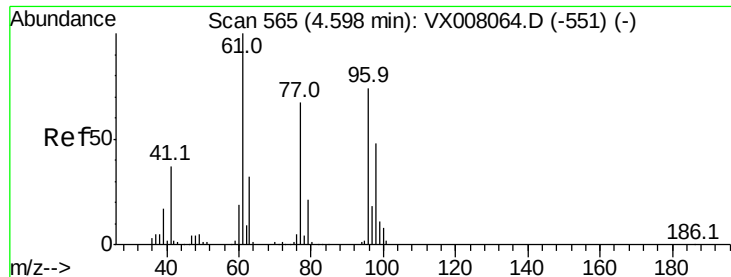
Tgt Ion: 77 Resp: 60471

Ion Ratio Lower Upper

77 100

97 26.3 12.2 36.6





#27

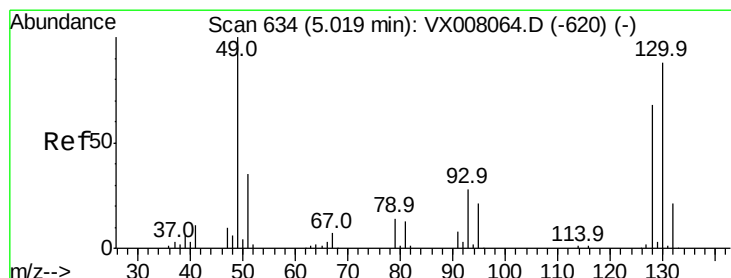
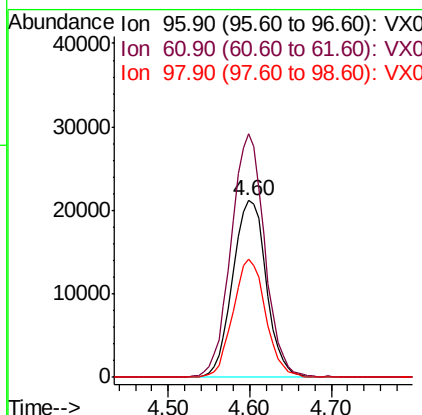
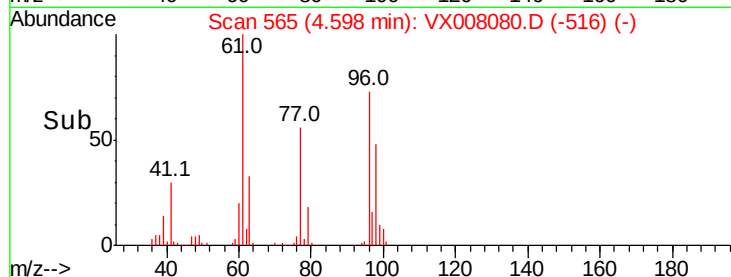
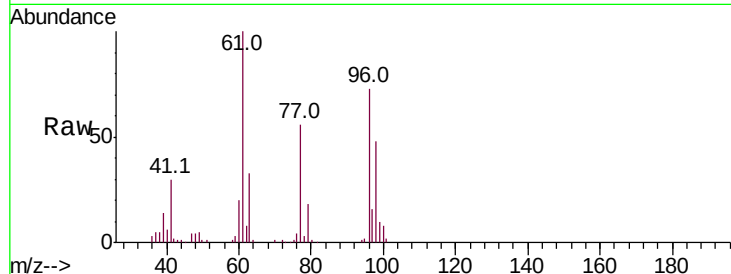
cis-1,2-Dichloroethene
Concen: 20.784 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX008080.D
Acq: 14 Mar 2019 20:14

Instrument :
MSVOA_X
ClientSampleId :
VX0314WBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.6	0.0	288.0
98	64.8	0.0	129.0

Manual Integrations
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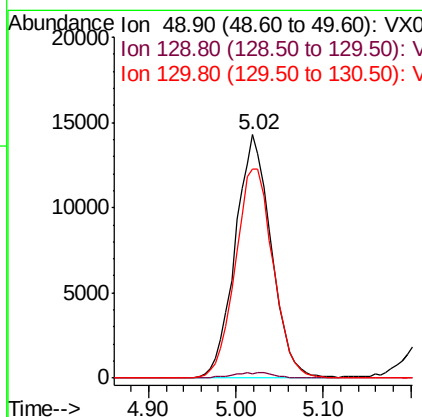
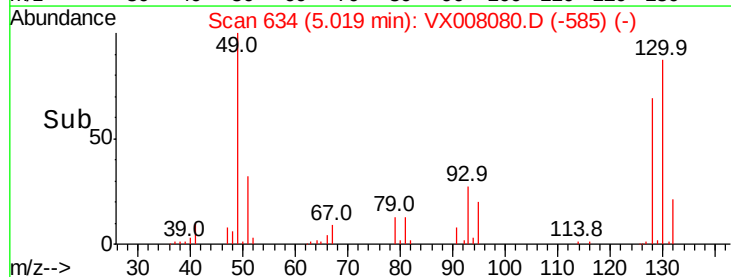
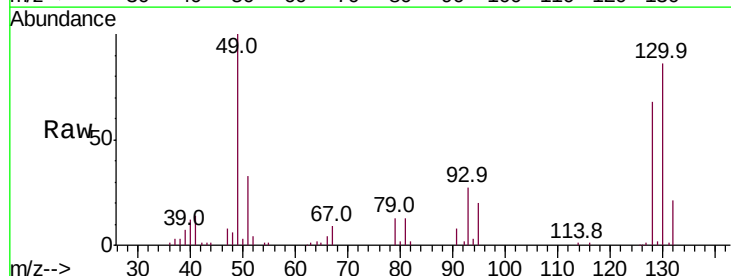
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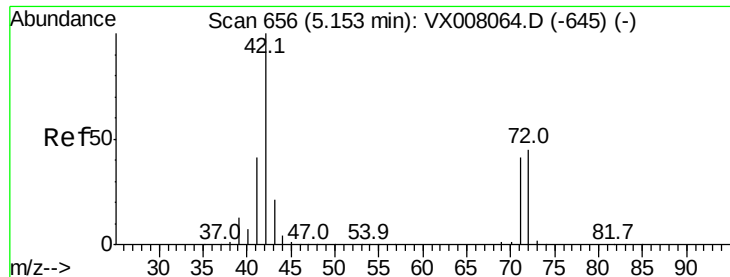


#28

Bromochloromethane
Concen: 19.189 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX008080.D
Acq: 14 Mar 2019 20:14

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.0
130	90.1	65.0	97.4





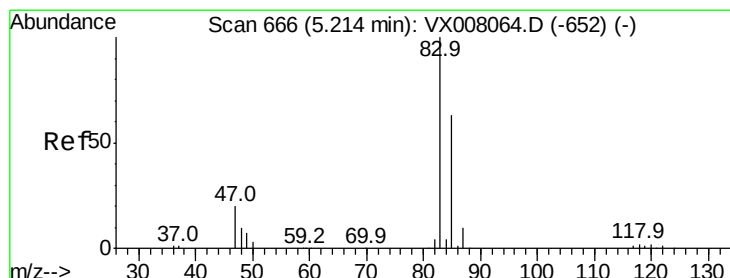
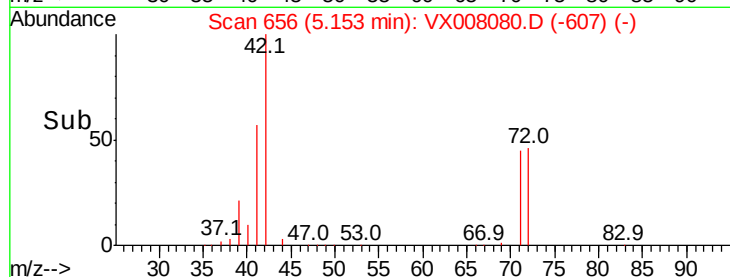
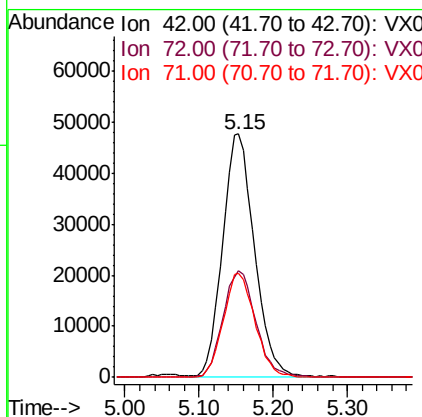
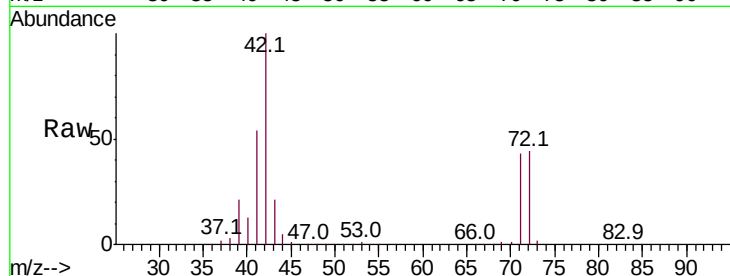
#29
Tetrahydrofuran
Concen: 104.681 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.00 min
Lab File: VX008080.D
Acq: 14 Mar 2019 20:14

Instrument :
MSVOA_X
ClientSampleId :
VX0314WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.1	33.8	50.6
71	42.6	31.5	47.3

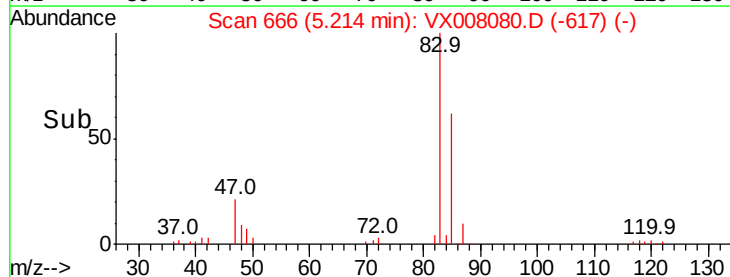
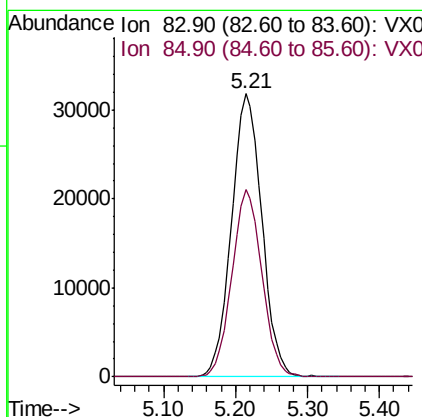
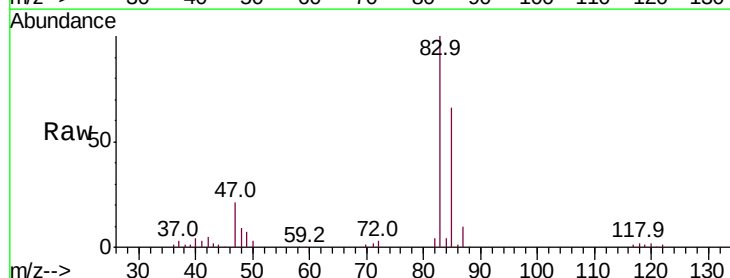
Manual Integrations
APPROVED

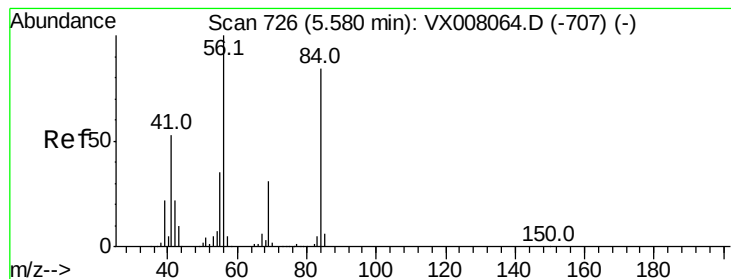
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#30
Chloroform
Concen: 20.408 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX008080.D
Acq: 14 Mar 2019 20:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	51.8	77.6





#31

Cyclohexane

Concen: 20.369 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX008080.D

Acq: 14 Mar 2019 20:14

Instrument :

MSVOA_X

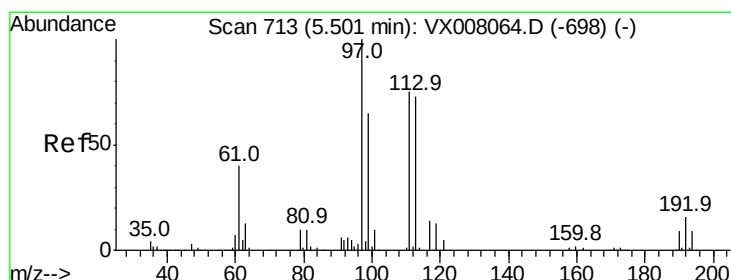
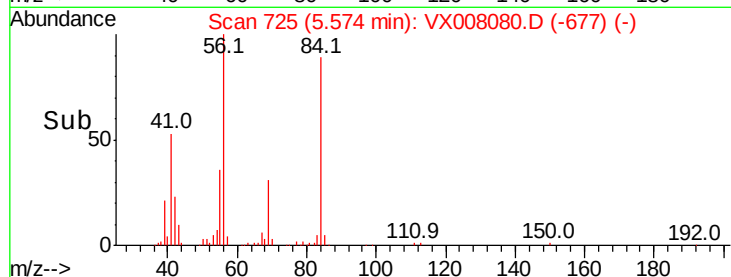
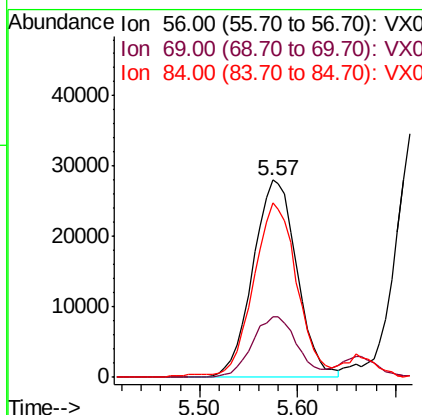
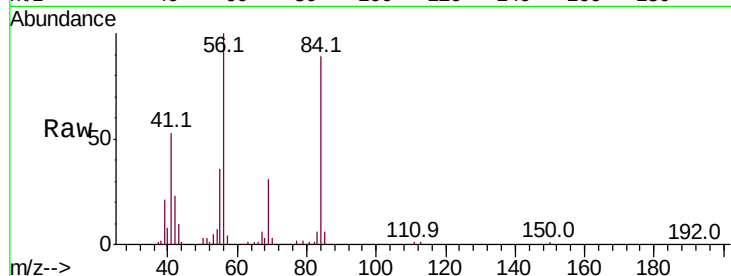
ClientSampleId :

VX0314WBSD02

Tot Ion:	56	Resp:	87586
Ion Ratio	Lower	Upper	
56	100		
69	30.8	24.0	36.0
84	87.2	65.3	97.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.198 ug/l

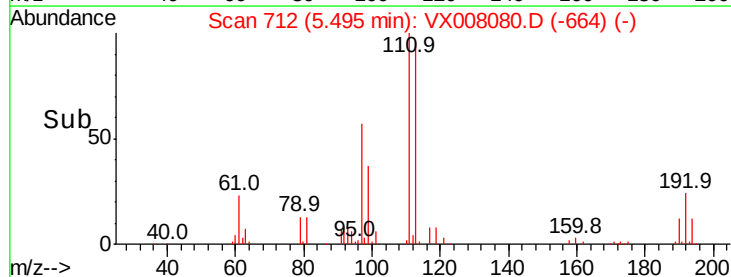
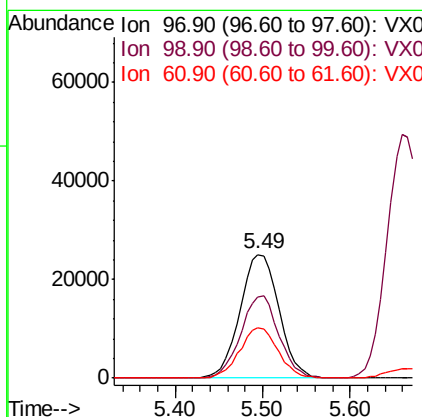
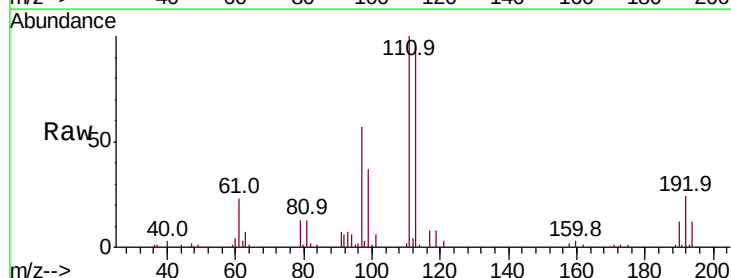
RT: 5.49 min Scan# 712

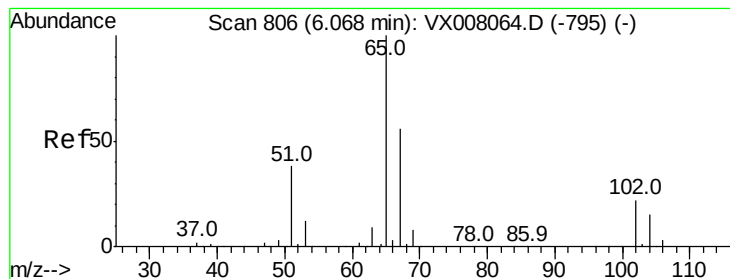
Delta R.T. -0.01 min

Lab File: VX008080.D

Acq: 14 Mar 2019 20:14

Tgt Ion:	97	Resp:	77728
Ion Ratio	Lower	Upper	
97	100		
99	65.1	52.2	78.2
61	40.3	34.9	52.3





#33

1,2-Dichloroethane-d4

Concen: 48.250 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX008080.D

Acq: 14 Mar 2019 20:14

Instrument :

MSVOA_X

ClientSampleId :

VX0314WBSD02

Tot Ion: 65 Resp: 145104

Ion Ratio Lower Upper

65 100

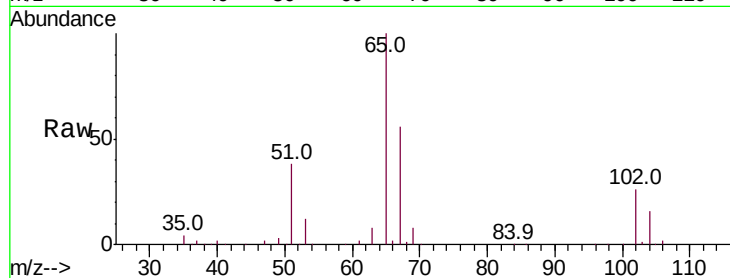
67 55.9 0.0 110.0

Manual Integrations

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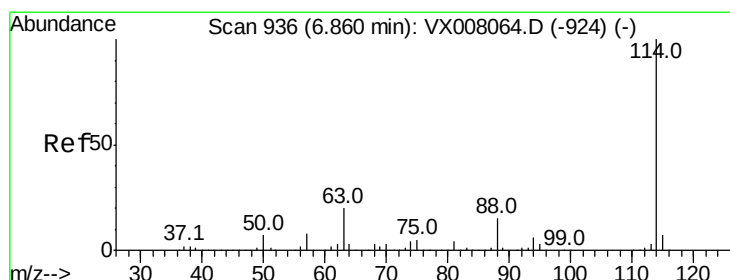
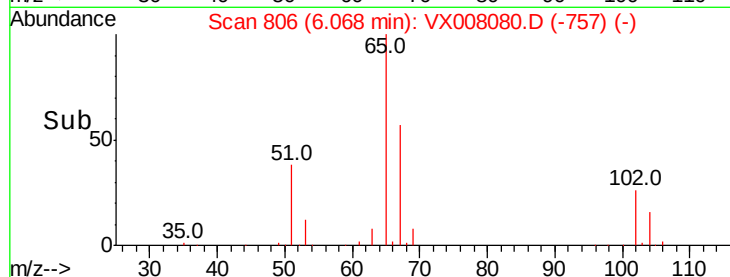
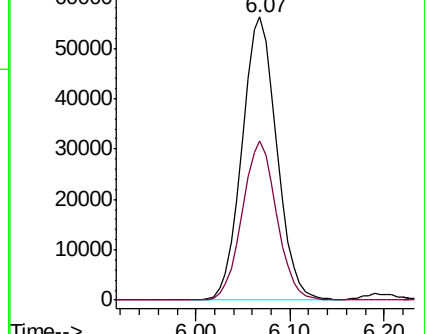
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX008080.D

Acq: 14 Mar 2019 20:14

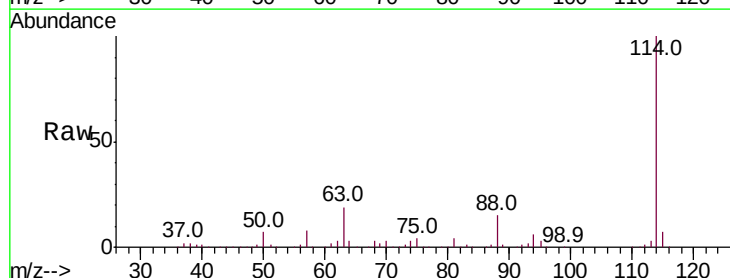
Tgt Ion:114 Resp: 433832

Ion Ratio Lower Upper

114 100

63 18.8 0.0 39.8

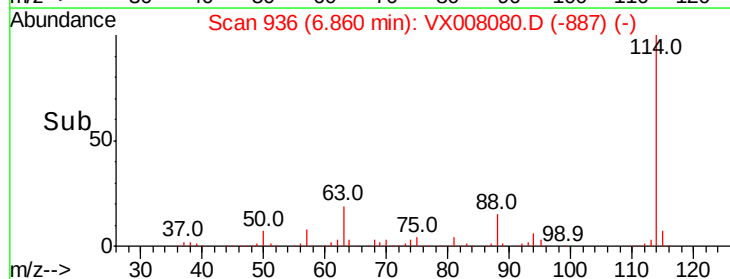
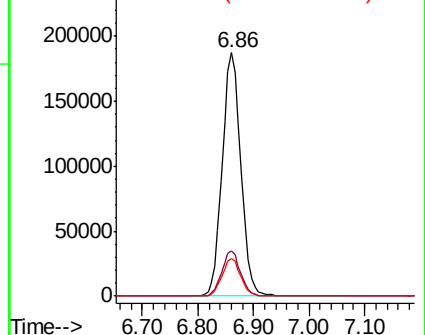
88 15.3 0.0 31.4

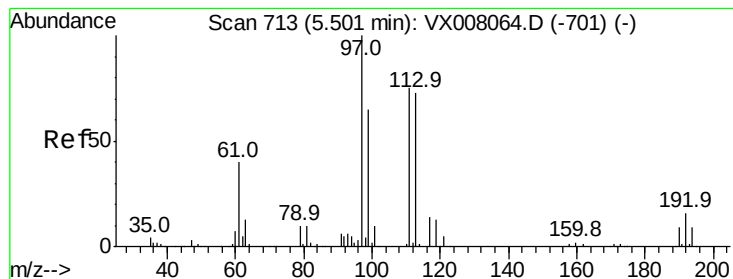


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.204 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX008080.D

Acq: 14 Mar 2019 20:14

Instrument :

MSVOA_X

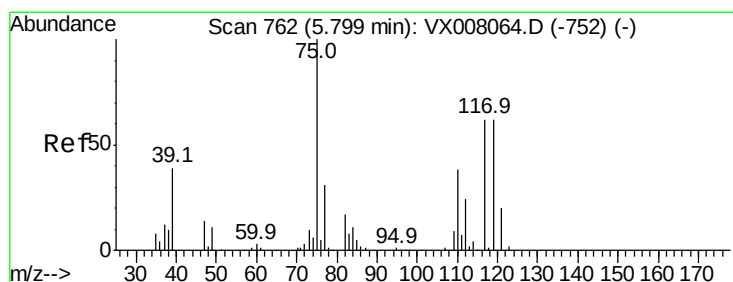
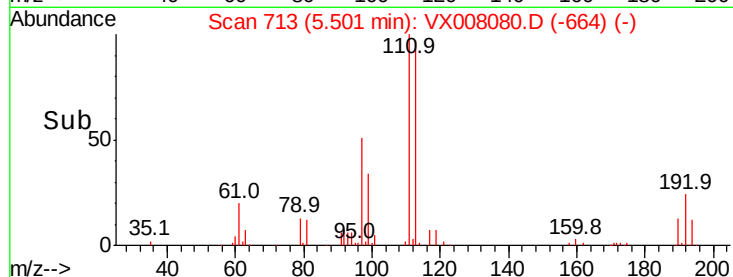
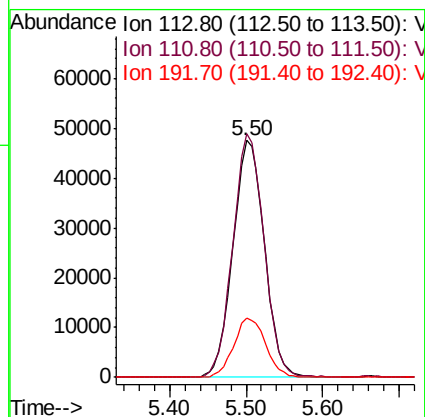
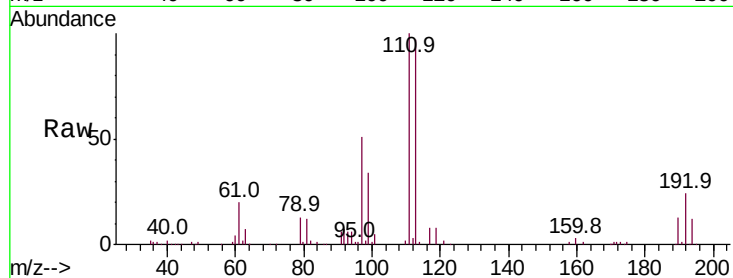
ClientSampleId :

VX0314WBSD02

Tot Ion:	113	Resp:	135367
Ion Ratio	Lower	Upper	
113	100		
111	101.9	81.4	122.0
192	25.3	19.4	29.0

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 20.033 ug/l

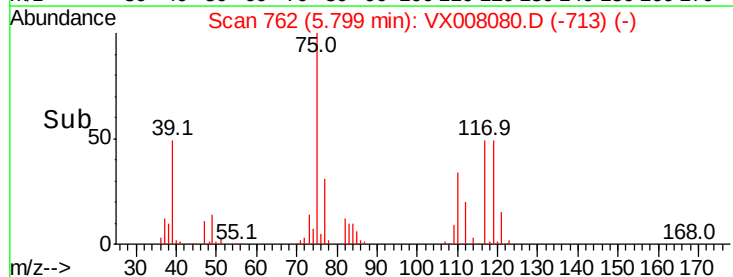
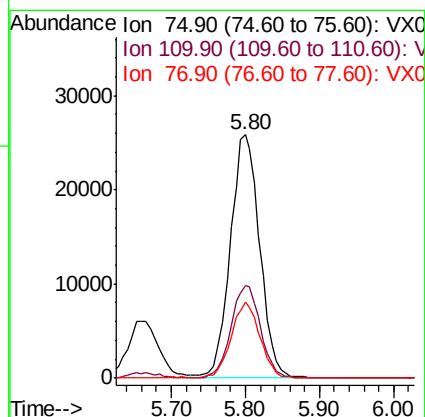
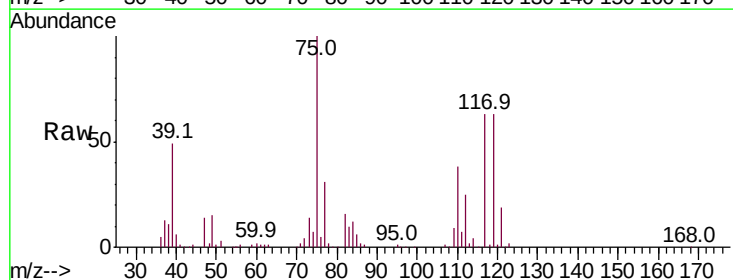
RT: 5.80 min Scan# 762

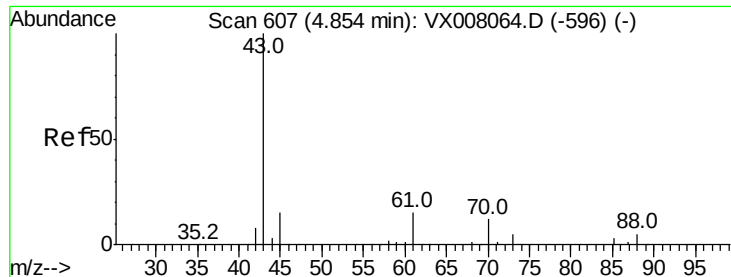
Delta R.T. 0.00 min

Lab File: VX008080.D

Acq: 14 Mar 2019 20:14

Tgt Ion:	75	Resp:	71499
Ion Ratio	Lower	Upper	
75	100		
110	38.2	18.4	55.0
77	30.5	25.0	37.4





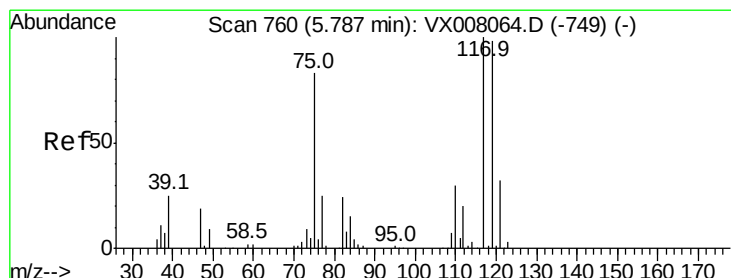
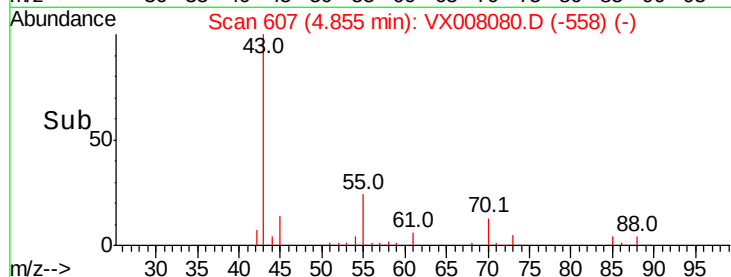
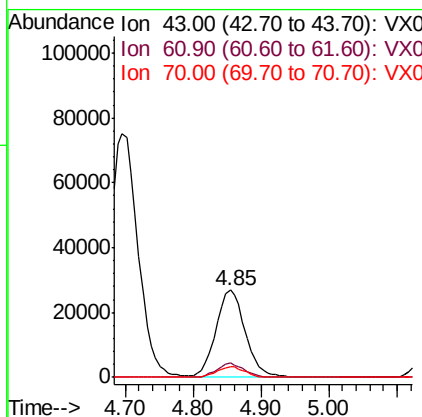
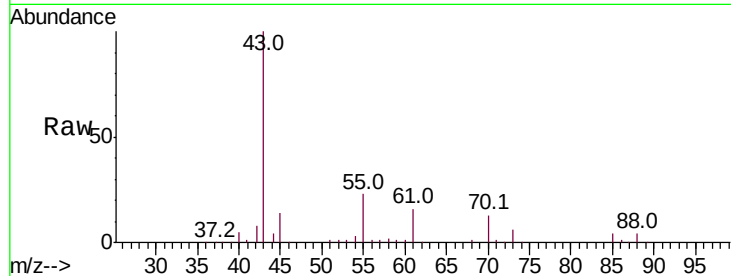
#37
Ethyl Acetate
Concen: 20.746 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX008080.D
Acq: 14 Mar 2019 20:14

Instrument :
MSVOA_X
ClientSampleId :
VX0314WBSD02

Tot Ion:	43	Resp:	79580
Ion	Ratio	Lower	Upper
43	100		
61	15.2	11.3	16.9
70	11.9	8.5	12.7

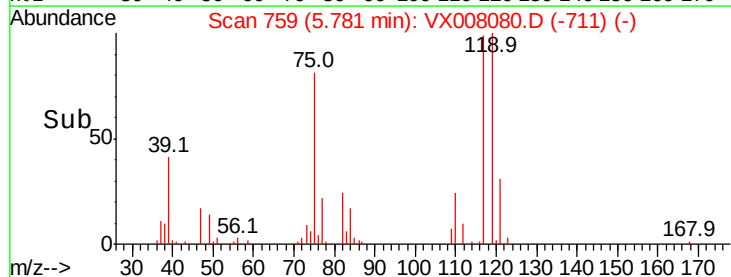
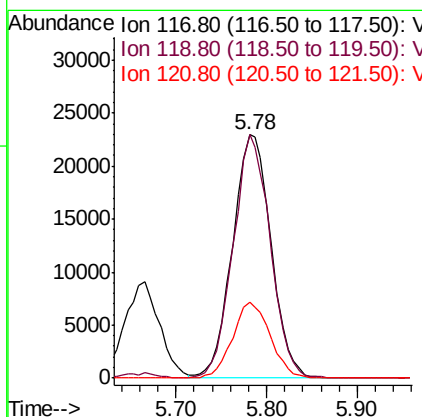
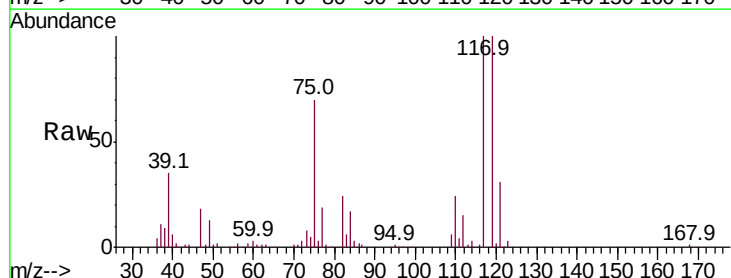
Manual Integrations
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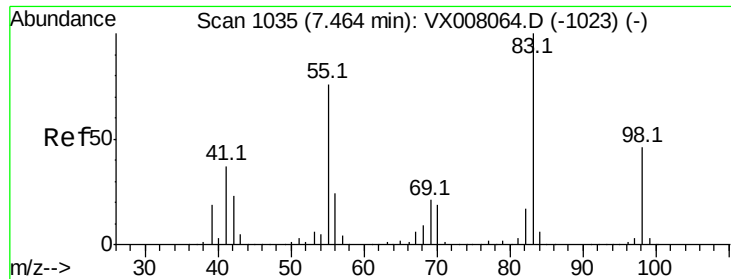
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#38
Carbon Tetrachloride
Concen: 19.680 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX008080.D
Acq: 14 Mar 2019 20:14

Tgt Ion:	117	Resp:	67608
Ion	Ratio	Lower	Upper
117	100		
119	99.8	76.2	114.2
121	31.4	24.6	36.8





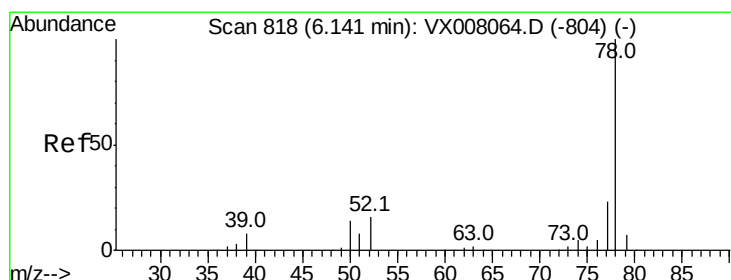
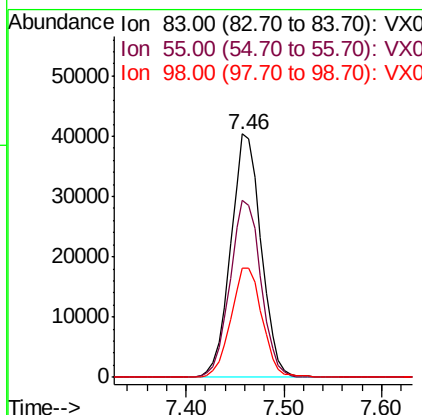
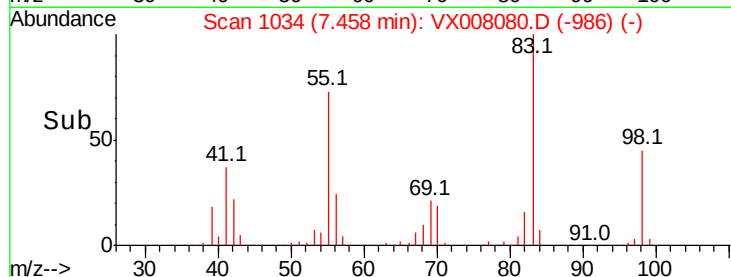
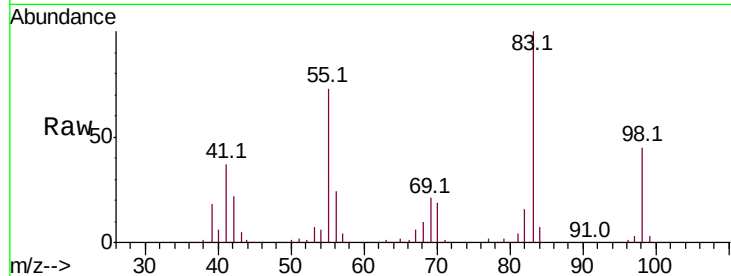
#39
Methylvlcyclohexane
Concen: 19.092 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX008080.D
Acq: 14 Mar 2019 20:14

Instrument :
MSVOA_X
ClientSampleId :
VX0314WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.6	60.4	90.6
98	44.9	36.5	54.7

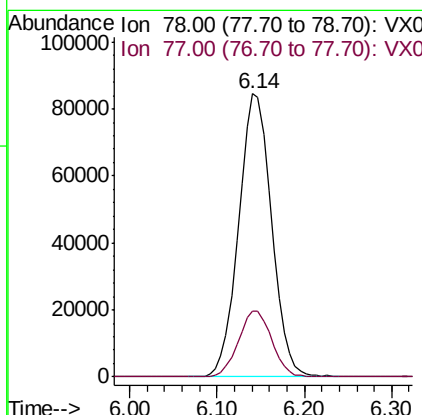
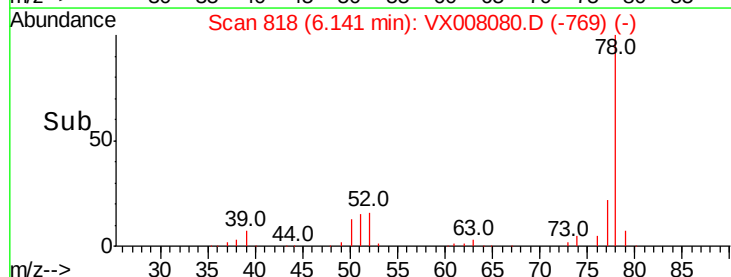
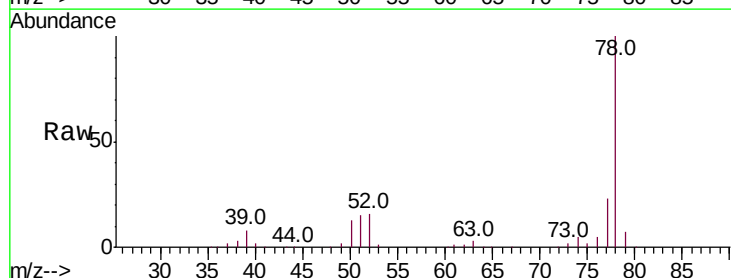
Manual Integrations
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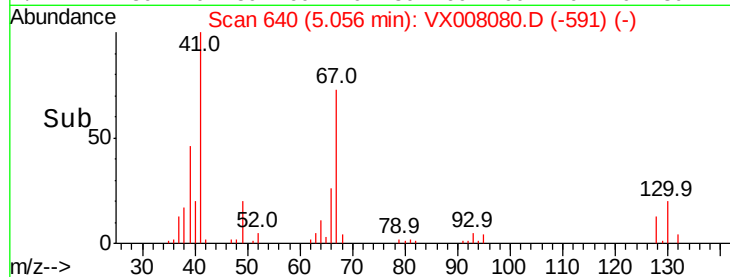
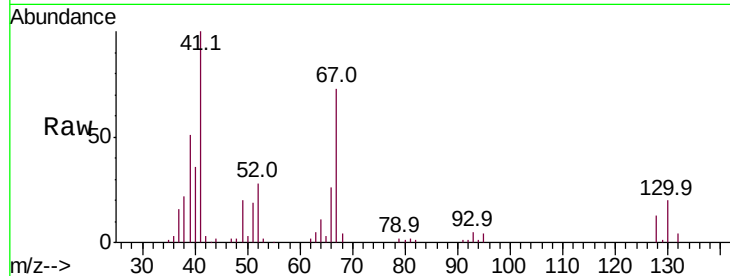
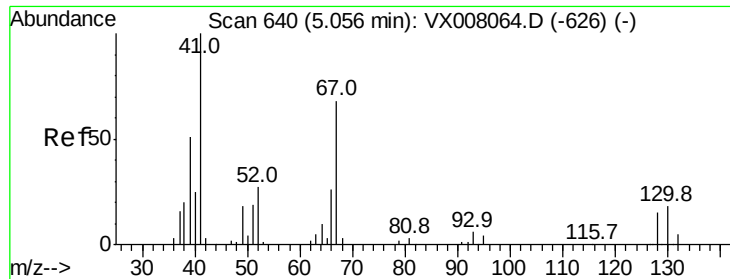
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#40
Benzene
Concen: 20.230 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX008080.D
Acq: 14 Mar 2019 20:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.0	28.4





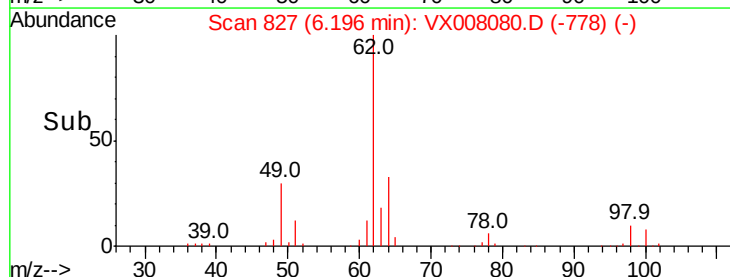
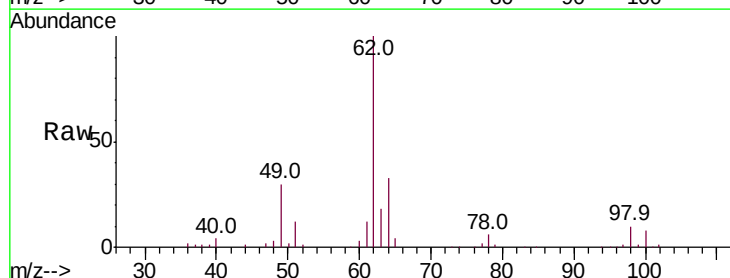
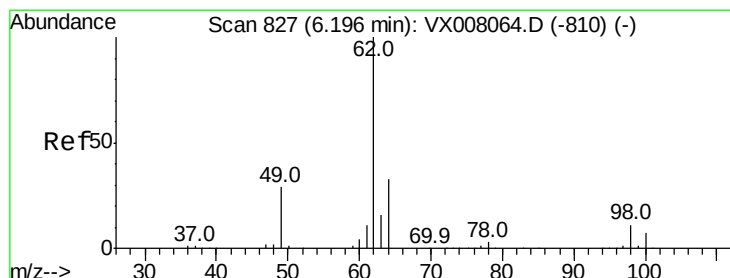
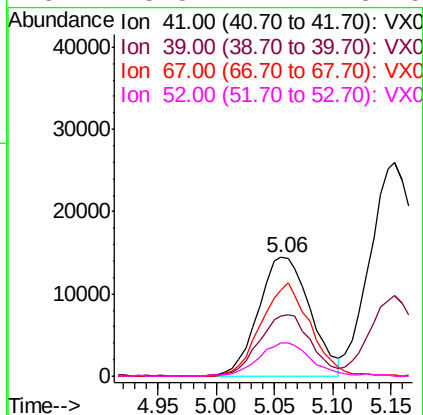
#41
Methacrylonitrile
Concen: 20.071 ug/l
RT: 5.06 min Scan# 640
Delta R.T. 0.00 min
Lab File: VX008080.D
Acq: 14 Mar 2019 20:14

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.8	41.6	62.4	
67	74.2	55.8	83.6	
52	28.3	21.7	32.5	

Instrument :
MSVOA_X
ClientSampleId :
VX0314WBSD02

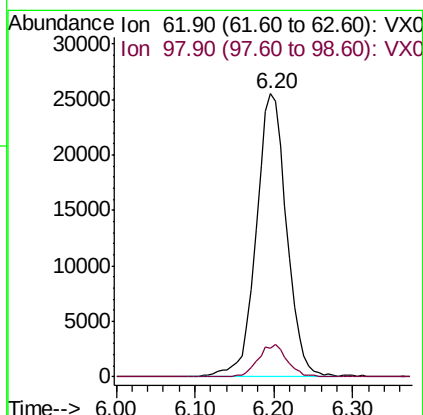
Manual Integrations
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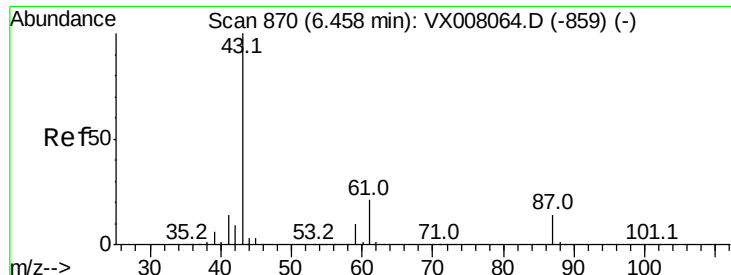
MMDadoda
3/15/2019 9:06:28 AM



#42
1,2-Dichloroethane
Concen: 19.500 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX008080.D
Acq: 14 Mar 2019 20:14

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.8	0.0	20.4	





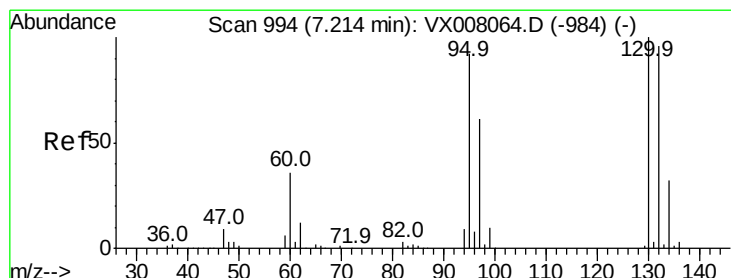
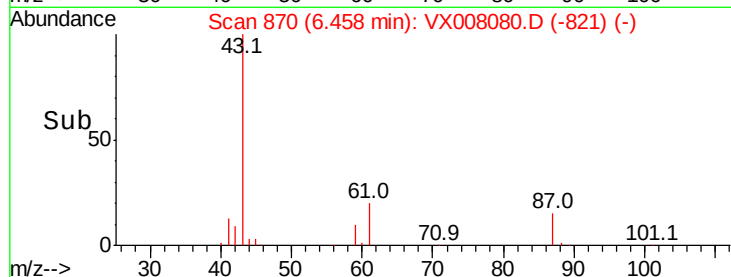
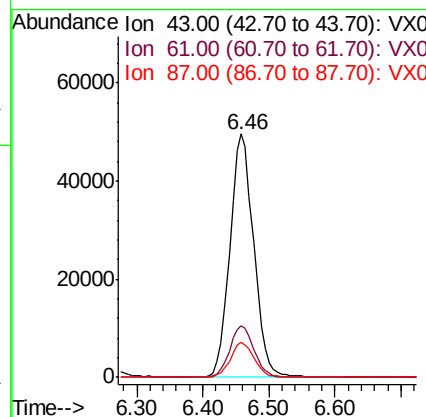
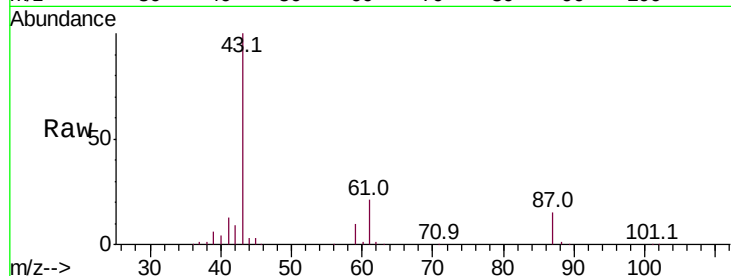
#43
Isopropyl Acetate
Concen: 19.910 ug/l
RT: 6.46 min Scan# 870
Delta R.T. 0.00 min
Lab File: VX008080.D
Acq: 14 Mar 2019 20:14

Instrument :
MSVOA_X
ClientSampleId :
VX0314WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.7	16.3	24.5
87	14.4	10.5	15.7

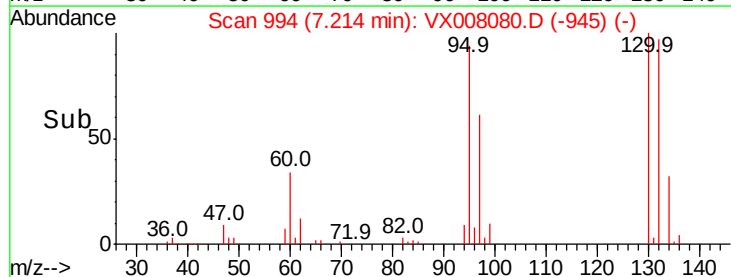
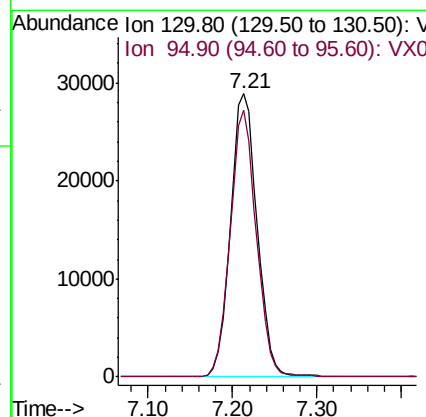
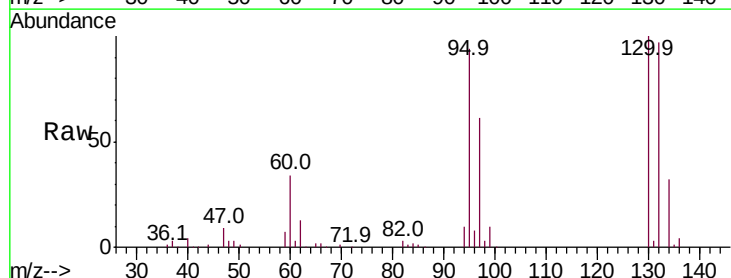
Manual Integrations
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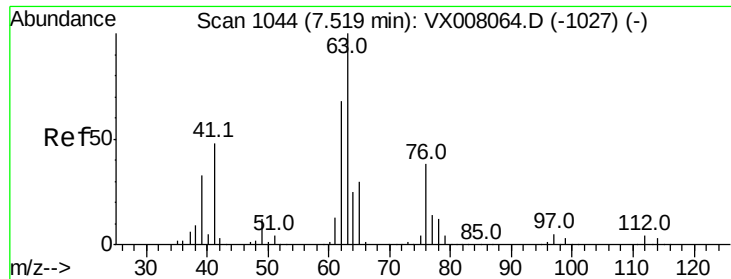
MMDadoda
3/15/2019 9:06:28 AM



#44
Trichloroethene
Concen: 19.649 ug/l
RT: 7.21 min Scan# 994
Delta R.T. 0.00 min
Lab File: VX008080.D
Acq: 14 Mar 2019 20:14

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.0	0.0	188.0





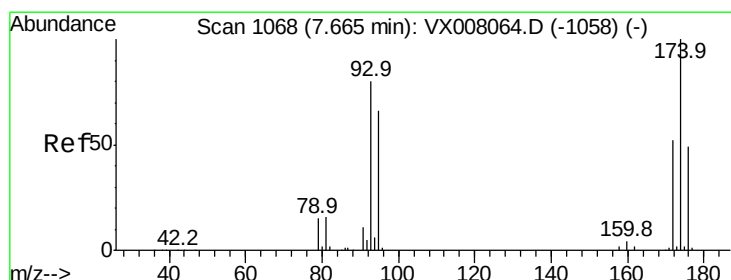
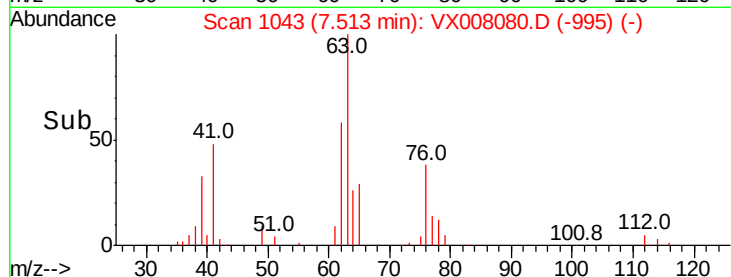
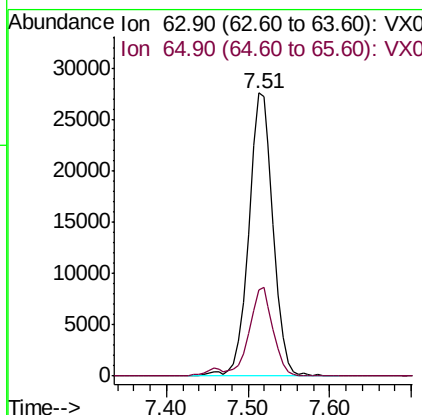
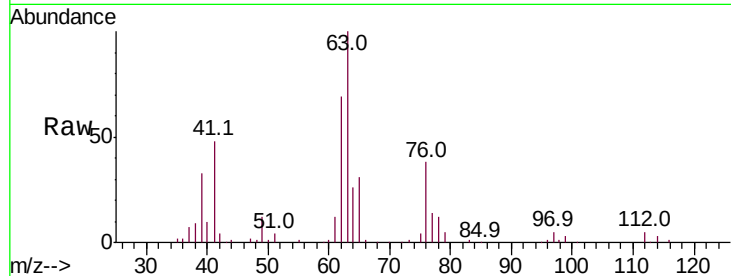
#45
 1,2-Dichloropropane
 Concen: 19.875 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.01 min
 Lab File: VX008080.D
 Acq: 14 Mar 2019 20:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0314WBSD02

Tot Ion: 63 Resp: 57330
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.7 37.1

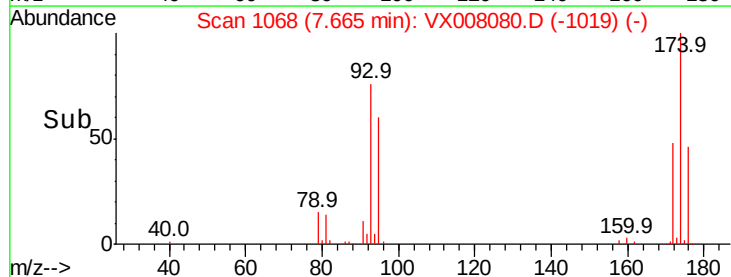
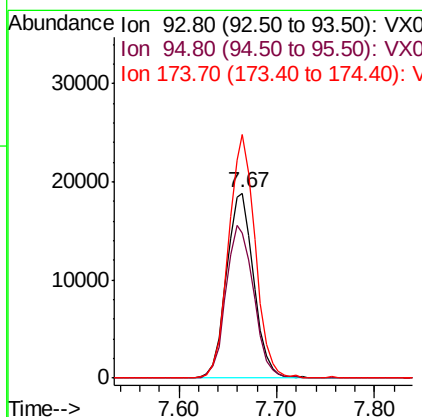
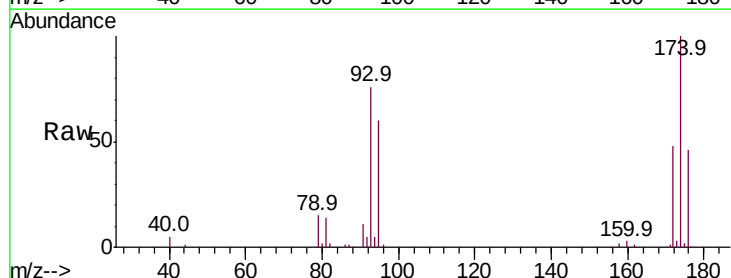
Manual Integrations
 APPROVED

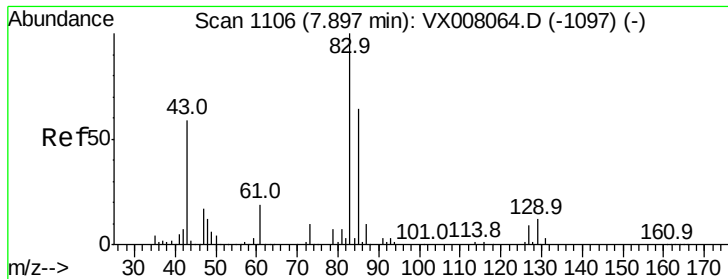
MMDadoda
 3/15/2019 9:06:28 AM



#46
 Dibromomethane
 Concen: 20.194 ug/l
 RT: 7.67 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VX008080.D
 Acq: 14 Mar 2019 20:14

Tgt Ion: 93 Resp: 36510
 Ion Ratio Lower Upper
 93 100
 95 84.2 66.8 100.2
 174 127.4 97.3 145.9





#47

Bromodichloromethane

Concen: 19.076 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX008080.D

Acq: 14 Mar 2019 20:14

Instrument :

MSVOA_X

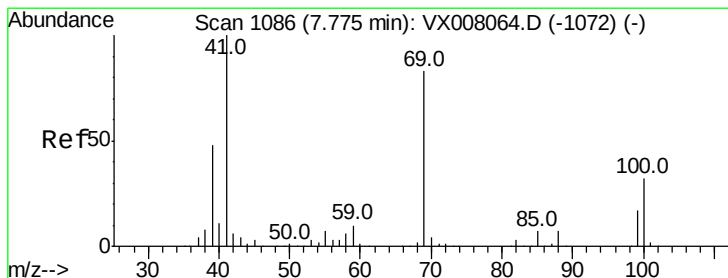
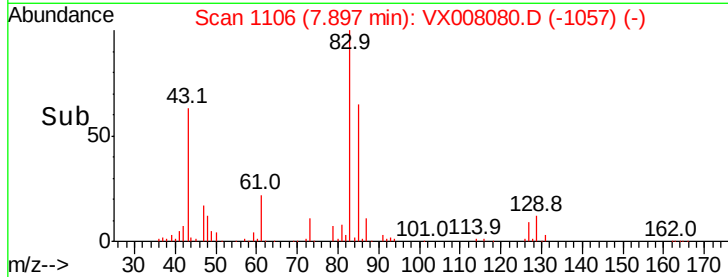
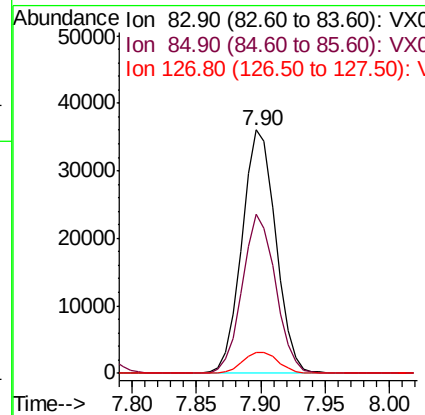
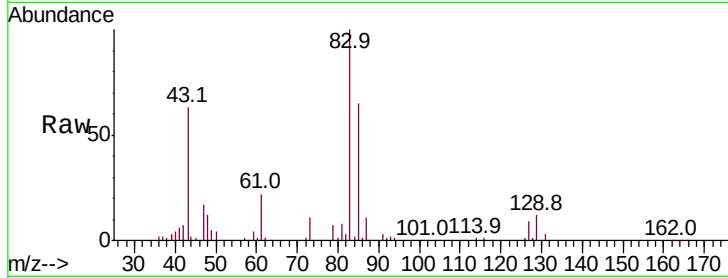
ClientSampleId :

VX0314WBSD02

Tot Ion:	83	Resp:	65591
Ion	Ratio	Lower	Upper
83	100		
85	65.3	50.9	76.3
127	8.7	7.4	11.0

Manual Integrations
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MMDadoda
3/15/2019 9:06:28 AM



#48

Methyl methacrylate

Concen: 19.644 ug/l

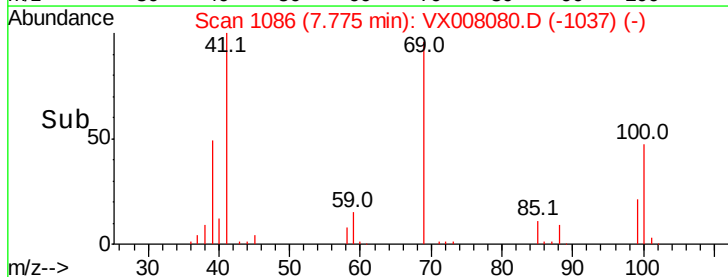
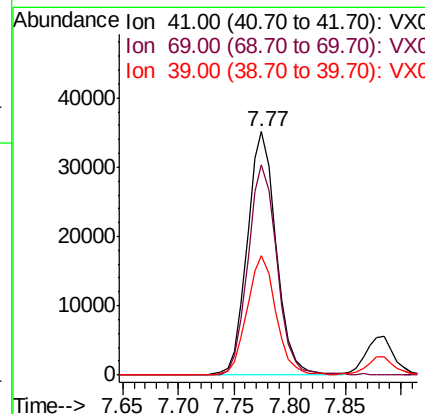
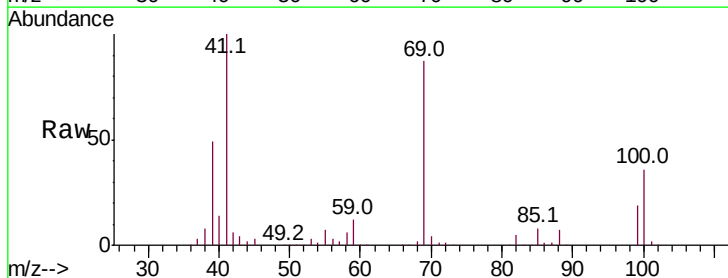
RT: 7.77 min Scan# 1086

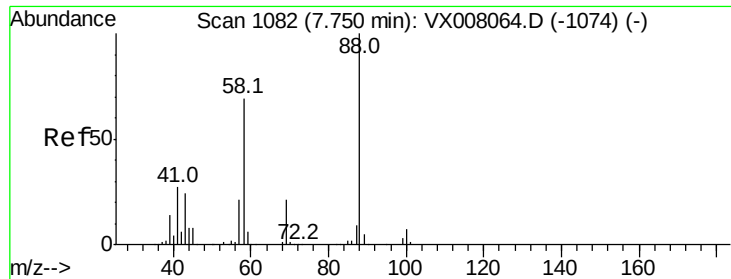
Delta R.T. 0.00 min

Lab File: VX008080.D

Acq: 14 Mar 2019 20:14

Tgt Ion:	41	Resp:	63378
Ion	Ratio	Lower	Upper
41	100		
69	86.5	65.2	97.8
39	49.0	39.4	59.2





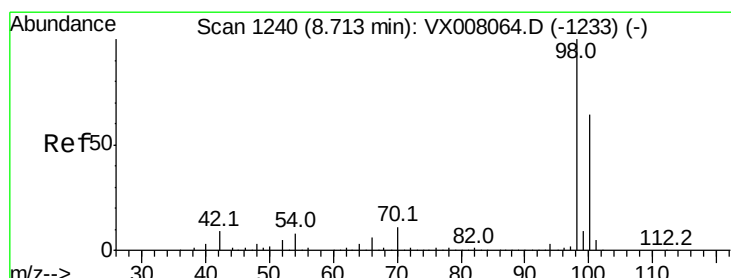
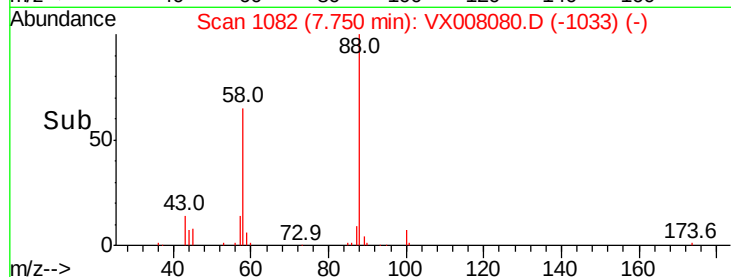
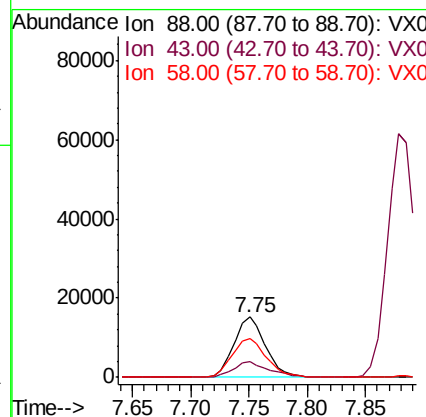
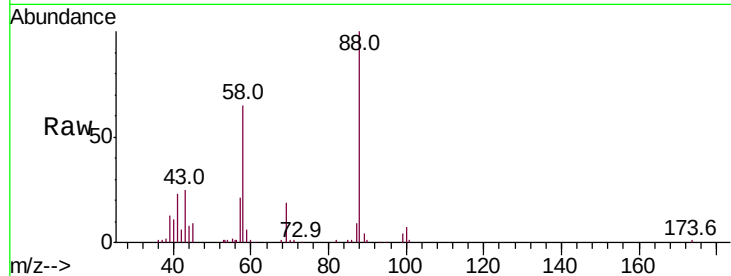
#49
1,4-Dioxane
Concen: 415.691 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX008080.D
Acq: 14 Mar 2019 20:14

Instrument :
MSVOA_X
ClientSampleId :
VX0314WBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.0	25.1	37.7
58	69.8	57.8	86.6

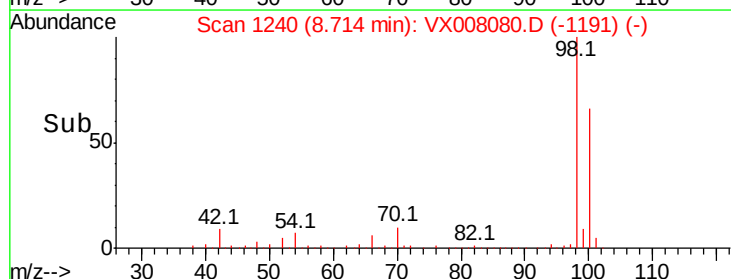
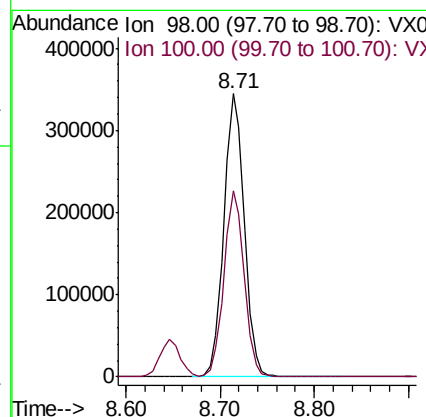
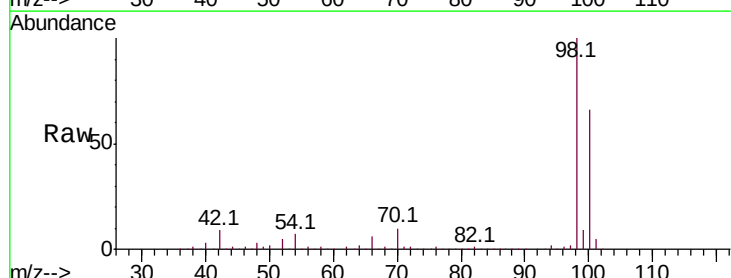
Manual Integrations
APPROVED

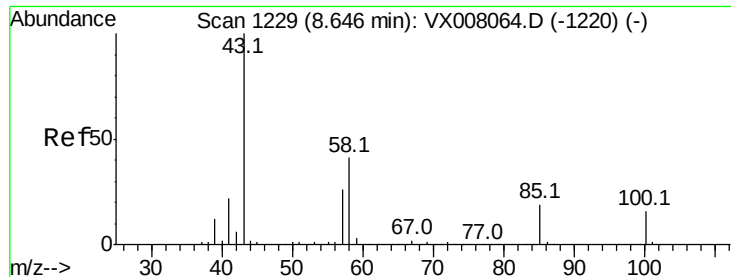
MMDadoda
3/15/2019 9:06:28 AM



#50
Toluene-d8
Concen: 49.398 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008080.D
Acq: 14 Mar 2019 20:14

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 100.140 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX008080.D

Acq: 14 Mar 2019 20:14

Instrument :

MSVOA_X

ClientSampleId :

VX0314WBSD02

Tot Ion: 43 Resp: 407706

Ion Ratio Lower Upper

43 100

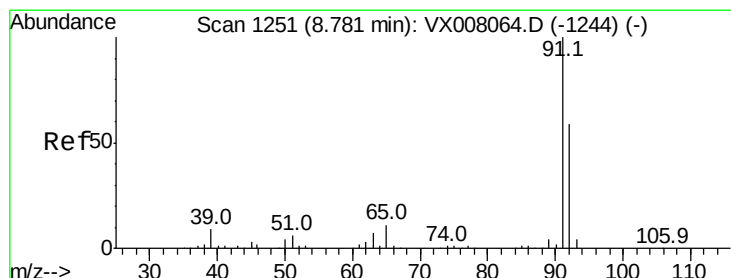
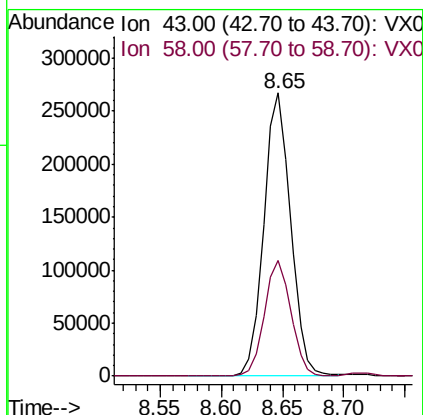
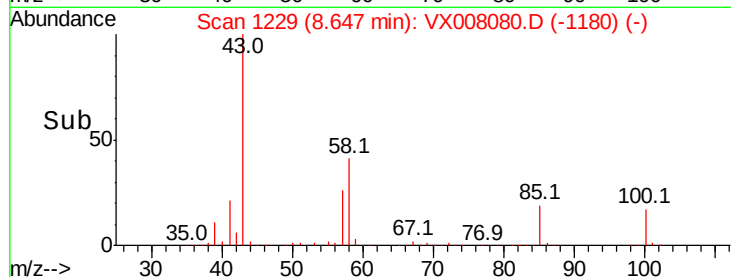
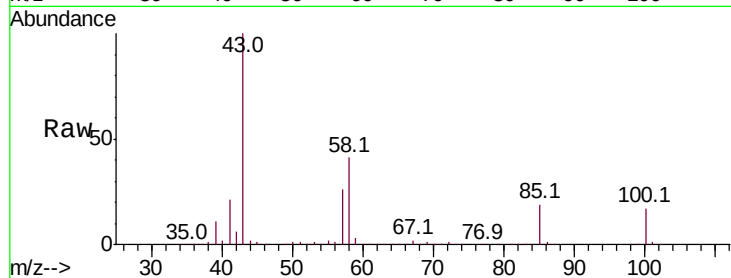
58 40.6 31.3 46.9

Manual Integrations

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#52

Toluene

Concen: 20.065 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX008080.D

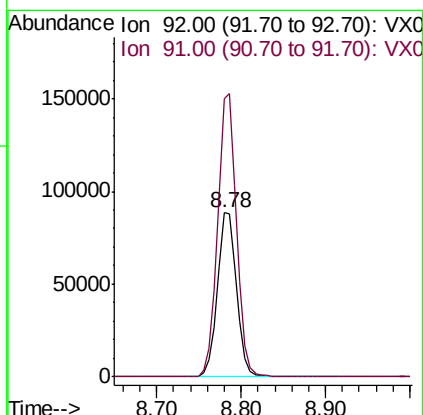
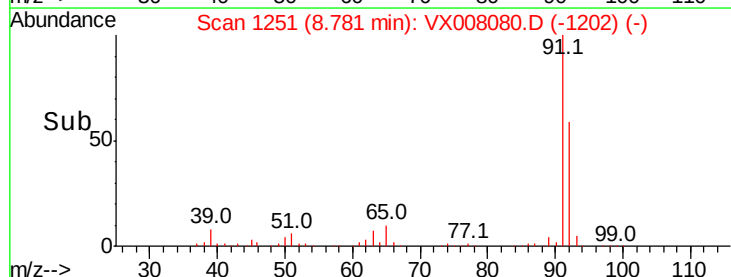
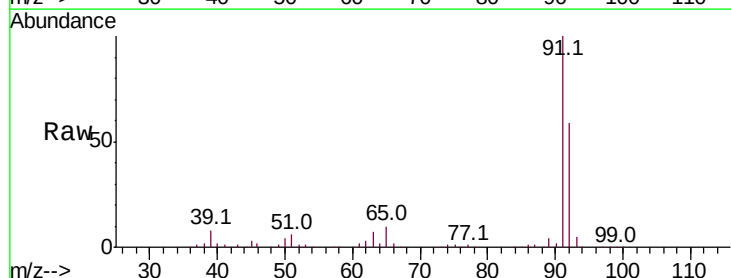
Acq: 14 Mar 2019 20:14

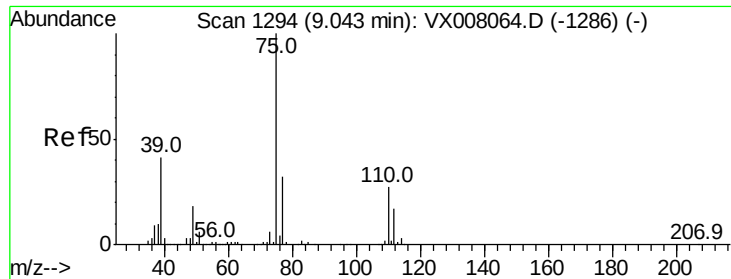
Tgt Ion: 92 Resp: 139452

Ion Ratio Lower Upper

92 100

91 170.7 137.4 206.0





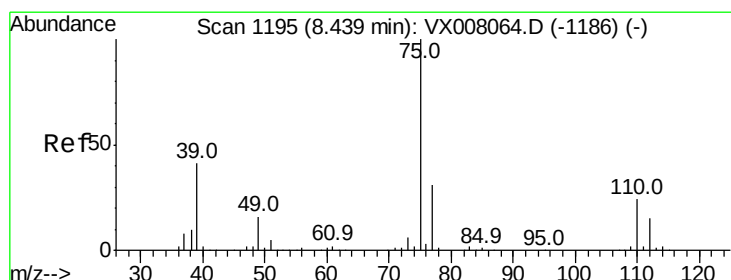
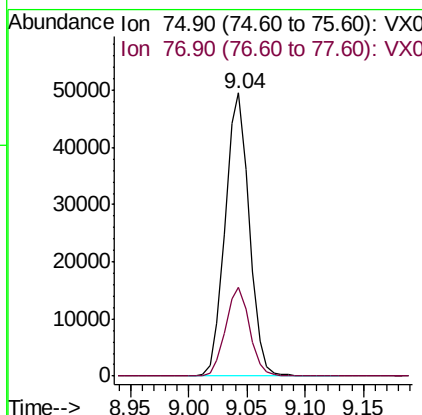
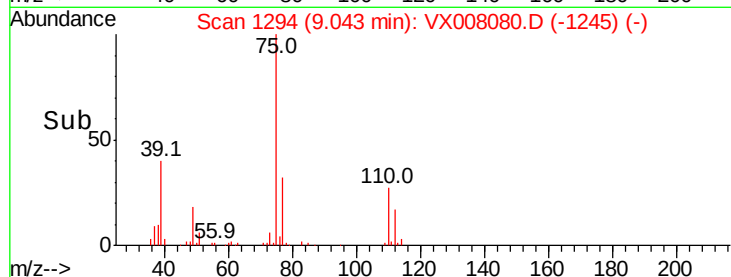
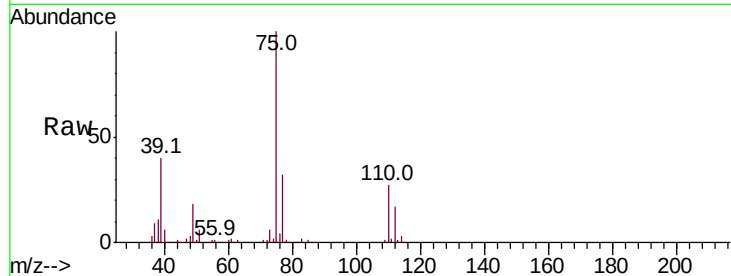
#53
 t-1,3-Dichloropropene
 Concen: 18.849 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. 0.00 min
 Lab File: VX008080.D
 Acq: 14 Mar 2019 20:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0314WBSD02

Tot Ion: 75 Resp: 71047
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.4 38.0

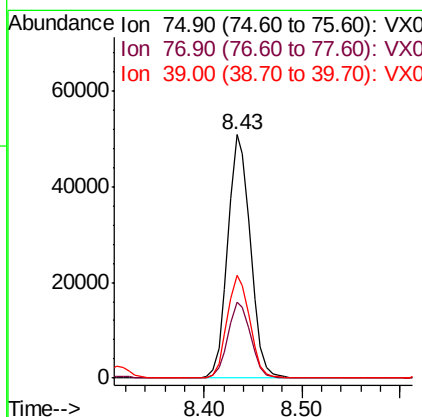
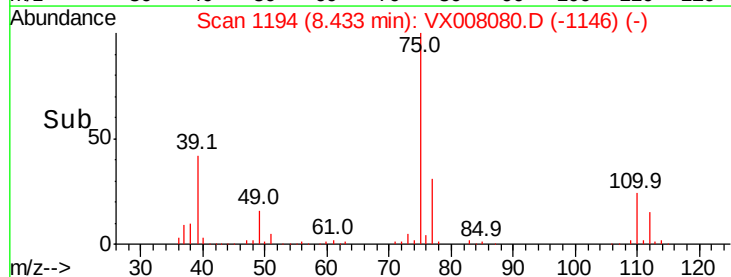
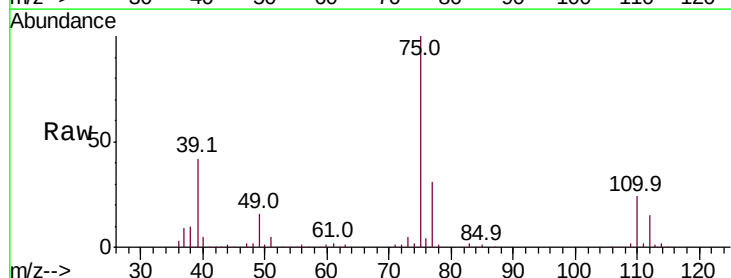
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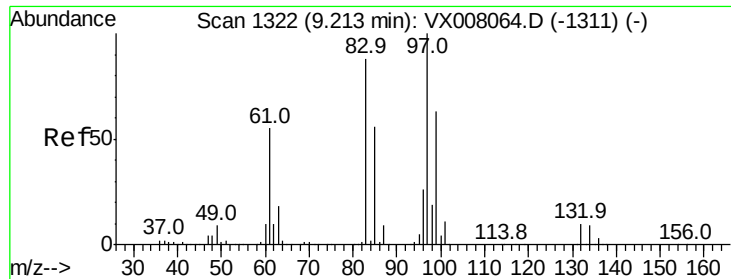
MMDadoda
 3/15/2019 9:06:28 AM



#54
 cis-1,3-Dichloropropene
 Concen: 19.490 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.01 min
 Lab File: VX008080.D
 Acq: 14 Mar 2019 20:14

Tgt Ion: 75 Resp: 81645
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.0 37.6
 39 42.3 36.6 54.8





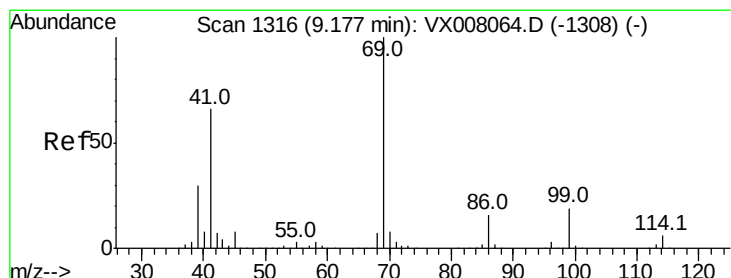
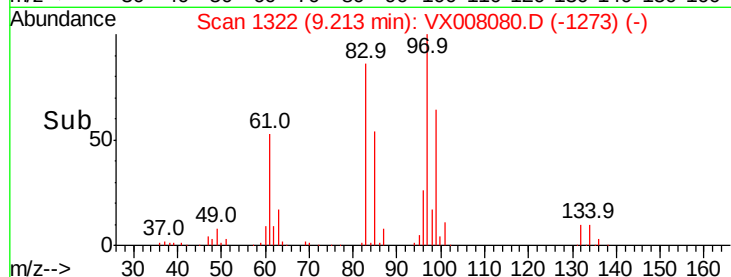
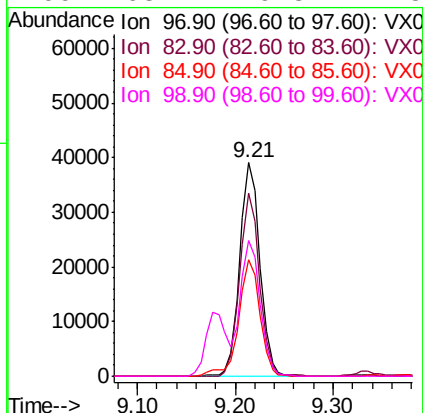
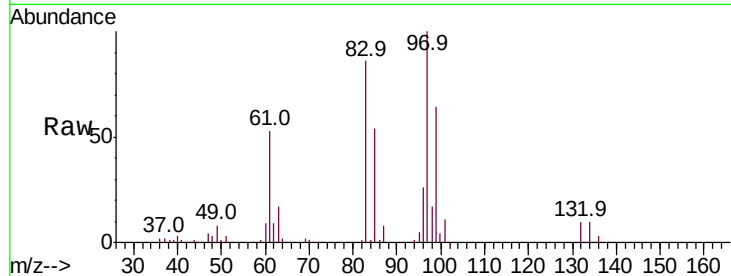
#55
 1,1,2-Trichloroethane
 Concen: 19.891 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX008080.D
 Acq: 14 Mar 2019 20:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0314WBSD02

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	85.6	69.1	103.7	
85	54.4	44.3	66.5	
99	63.4	49.8	74.8	

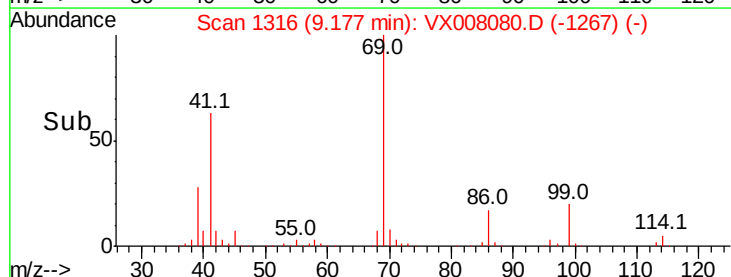
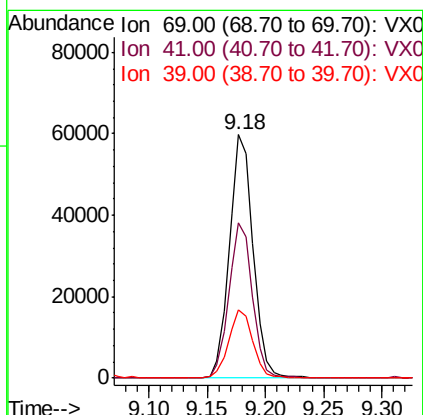
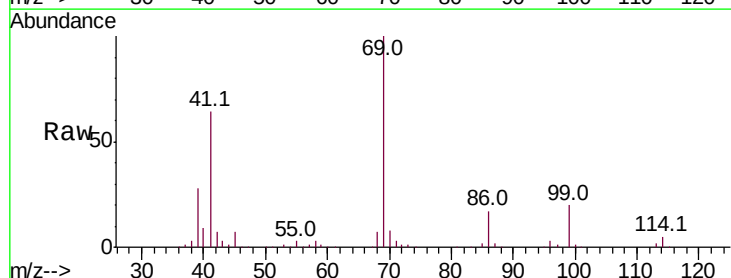
Manual Integrations
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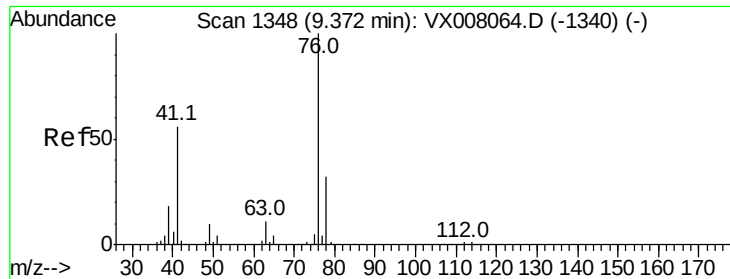
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#56
 Ethyl methacrylate
 Concen: 20.228 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX008080.D
 Acq: 14 Mar 2019 20:14

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	63.1	54.2	81.4	
39	29.1	25.0	37.4	





#57

1,3-Dichloropropane

Concen: 19.707 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX008080.D

Acq: 14 Mar 2019 20:14

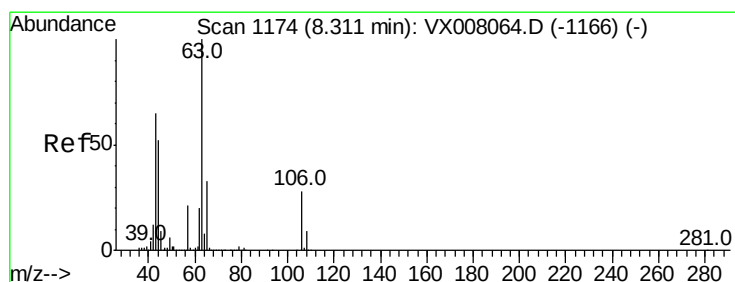
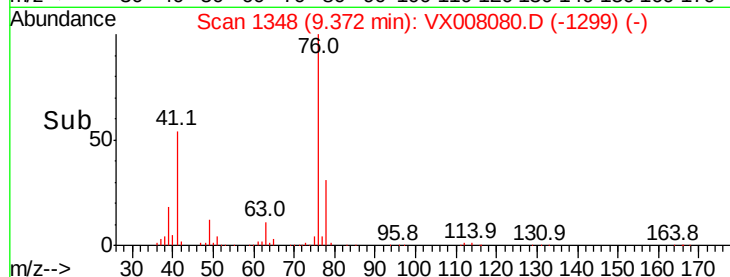
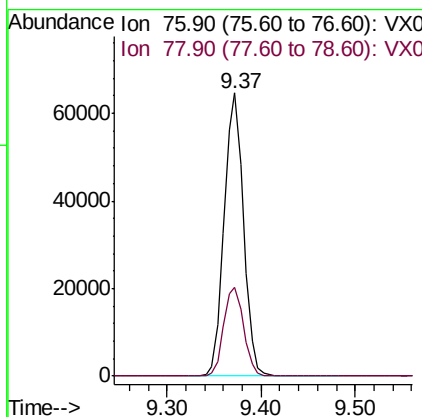
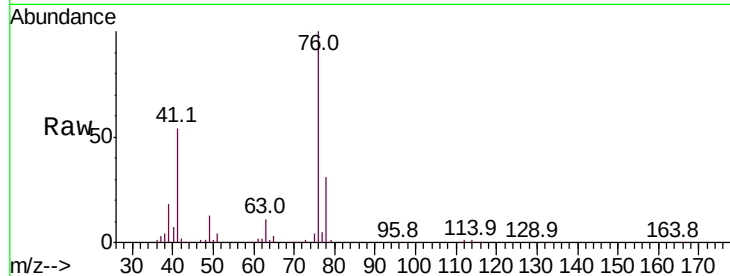
Instrument :
MSVOA_X
ClientSampleId :
VX0314WBSD02

Tot Ion: 76 Resp: 92292

Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.5	38.3

Manual Integrations
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MMDadoda
3/15/2019 9:06:28 AM



#58

2-Chloroethyl Vinyl ether

Concen: 95.892 ug/l

RT: 8.31 min Scan# 1174

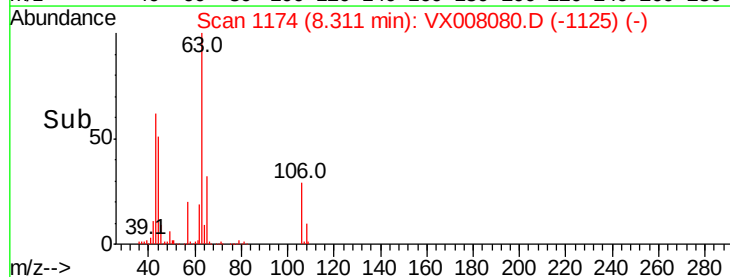
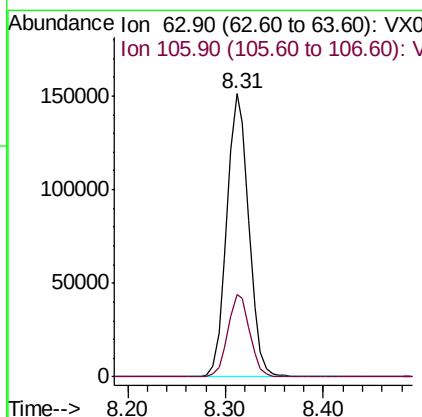
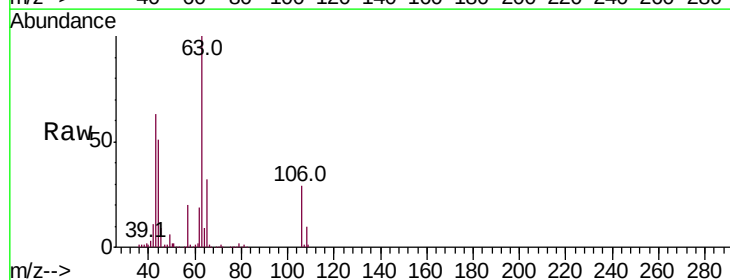
Delta R.T. 0.00 min

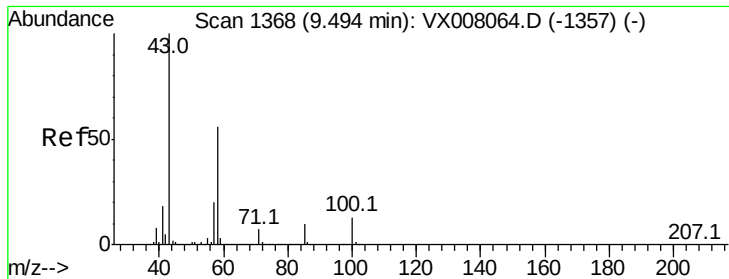
Lab File: VX008080.D

Acq: 14 Mar 2019 20:14

Tgt Ion: 63 Resp: 235818

Ion	Ratio	Lower	Upper
63	100		
106	29.2	22.2	33.2





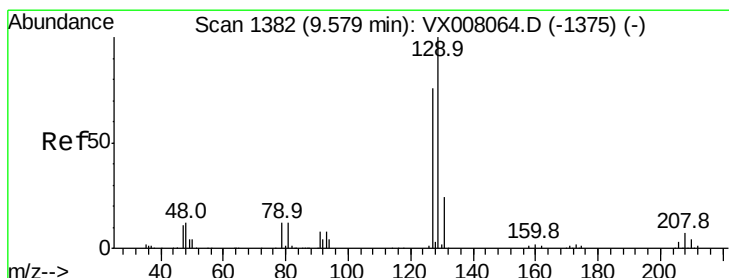
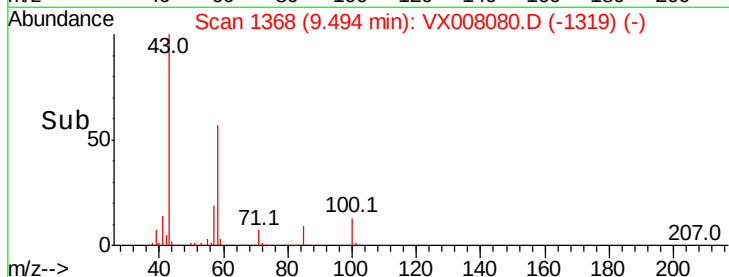
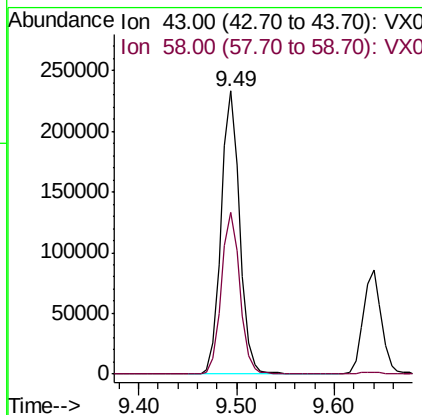
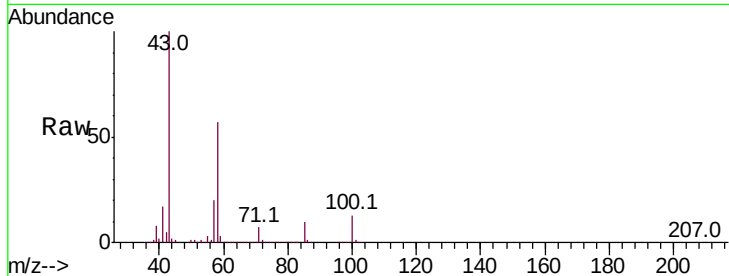
#59
2-Hexanone
Concen: 96.464 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX008080.D
Acq: 14 Mar 2019 20:14

Instrument :
MSVOA_X
ClientSampled :
VX0314WBSD02

Tot Ion: 43 Resp: 307148
Ion Ratio Lower Upper
43 100
58 57.2 27.6 82.7

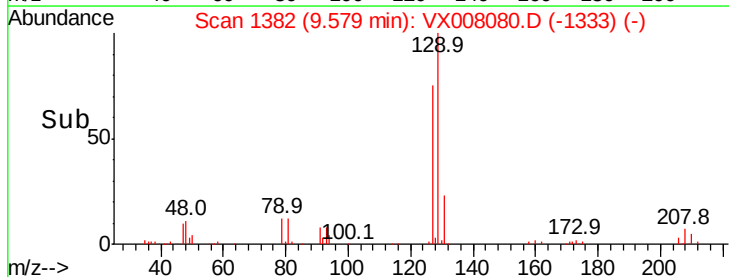
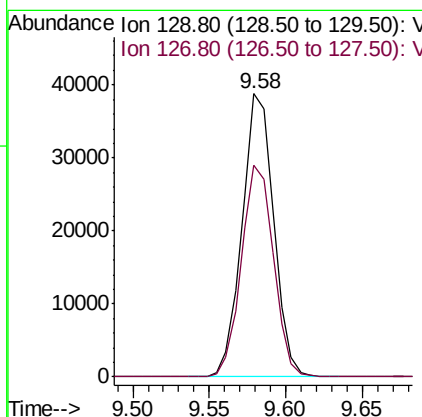
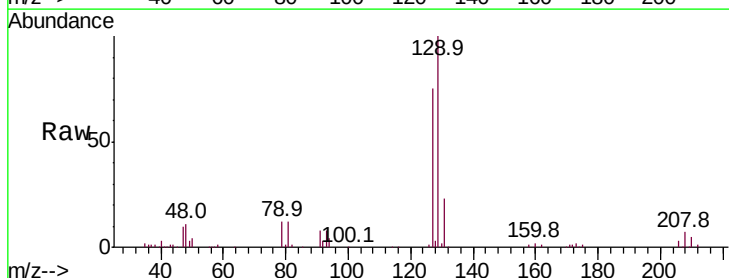
Manual Integrations
APPROVED

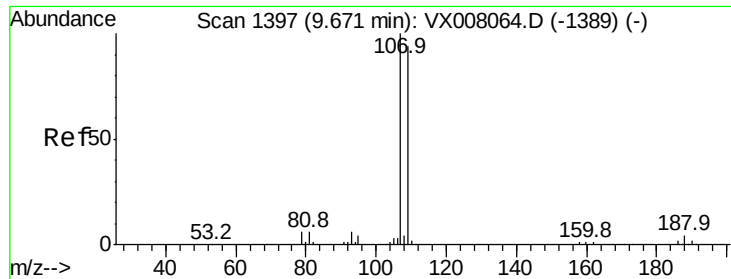
MMDadoda
3/15/2019 9:06:28 AM



#60
Dibromochloromethane
Concen: 19.116 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX008080.D
Acq: 14 Mar 2019 20:14

Tgt Ion: 129 Resp: 55754
Ion Ratio Lower Upper
129 100
127 75.7 38.3 114.8





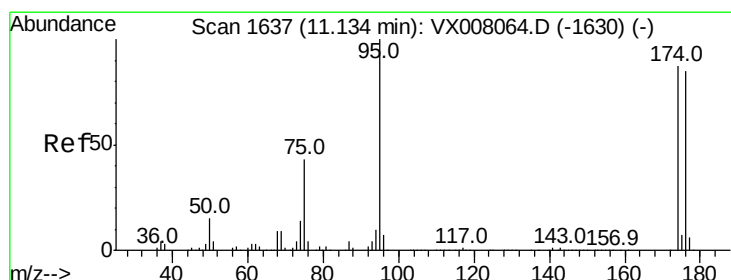
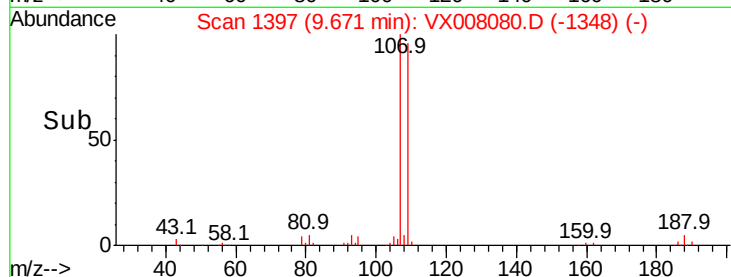
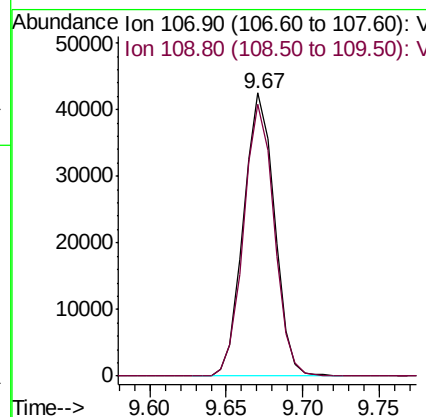
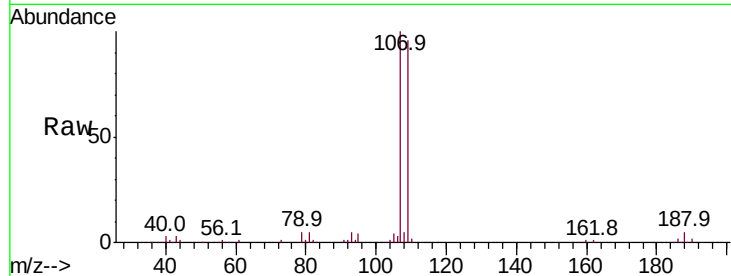
#61
 1,2-Dibromoethane
 Concen: 20.198 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VX008080.D
 Acq: 14 Mar 2019 20:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0314WBSD02

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.1	75.8	113.8

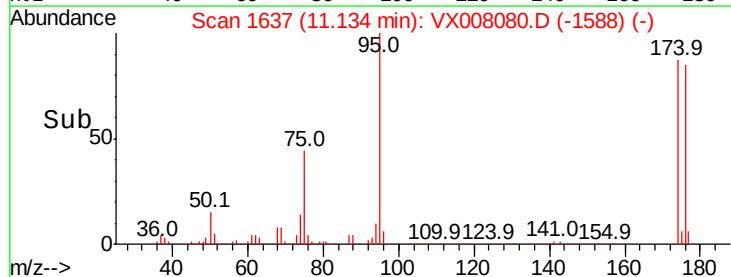
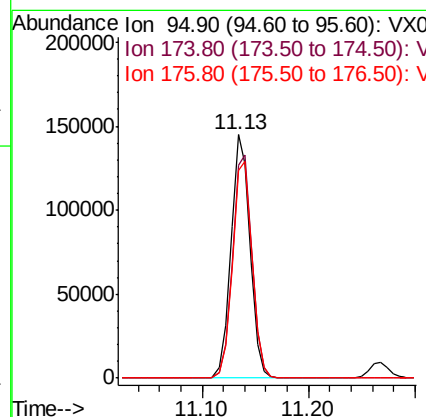
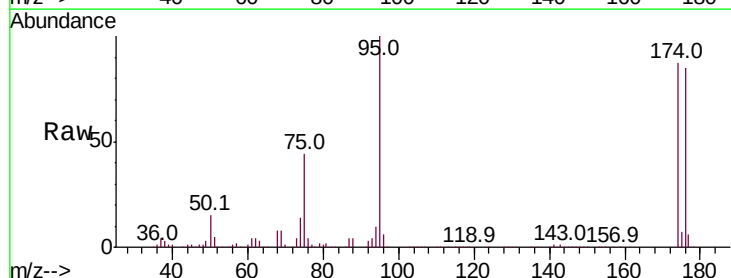
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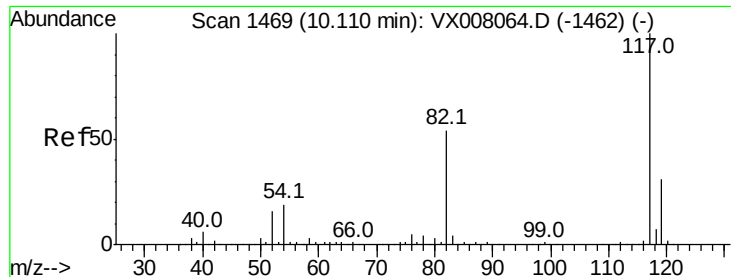
MMDadoda
 3/15/2019 9:06:28 AM



#62
 4-Bromofluorobenzene
 Concen: 48.352 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VX008080.D
 Acq: 14 Mar 2019 20:14

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.1	0.0	182.8
176	91.8	0.0	178.0





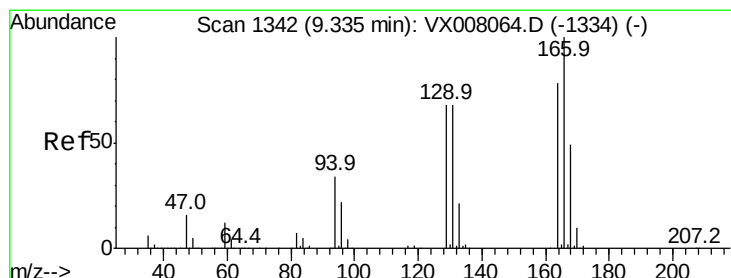
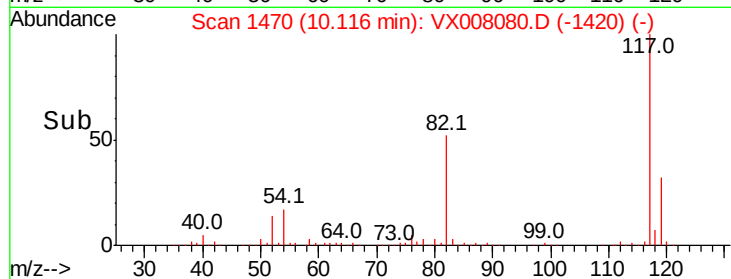
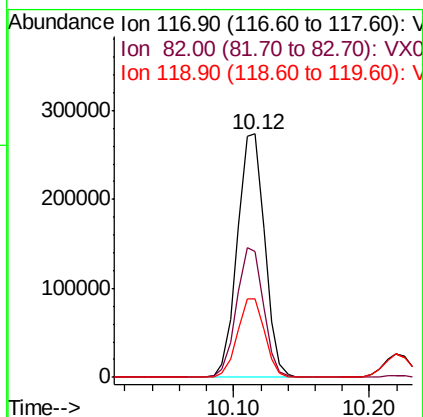
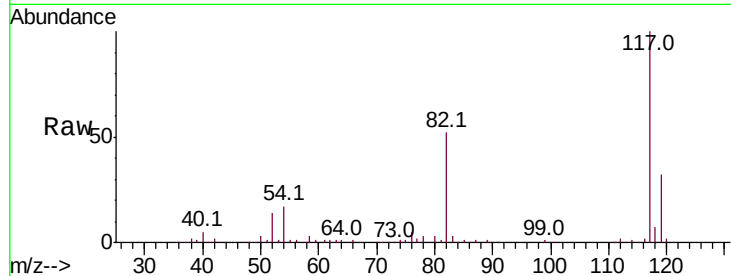
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX008080.D
Acq: 14 Mar 2019 20:14

Instrument :
MSVOA_X
ClientSampleId :
VX0314WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.6	44.3	66.5
119	32.2	25.3	37.9

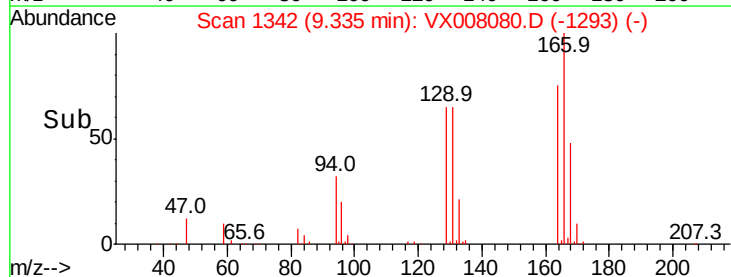
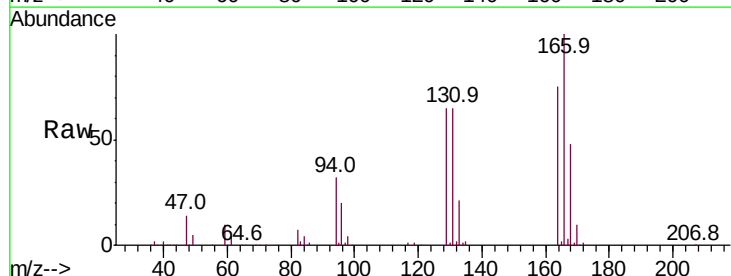
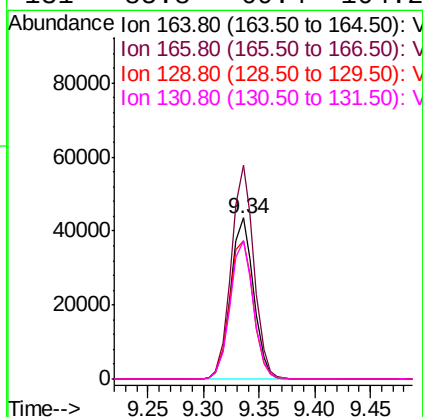
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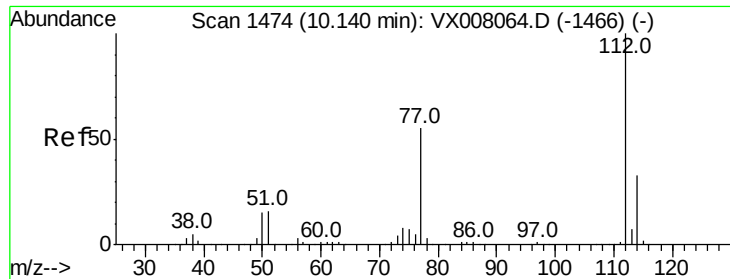
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#64
Tetrachloroethene
Concen: 20.001 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX008080.D
Acq: 14 Mar 2019 20:14

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.8	103.4	155.0
129	86.2	72.2	108.4
131	85.8	69.4	104.2





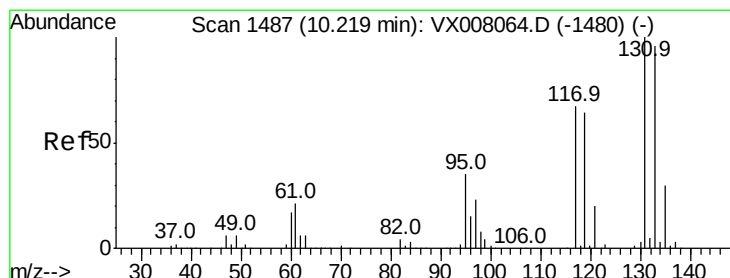
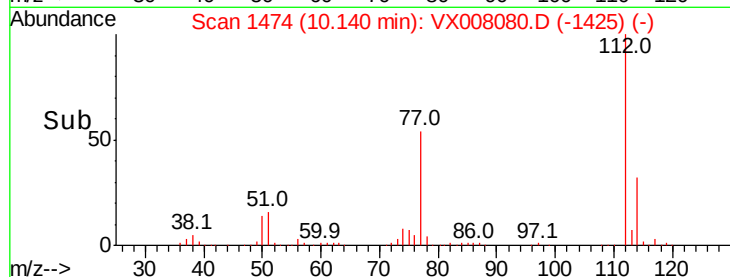
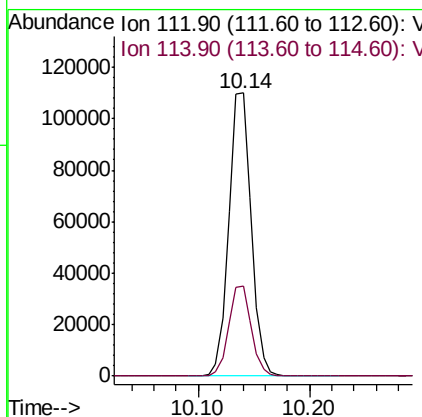
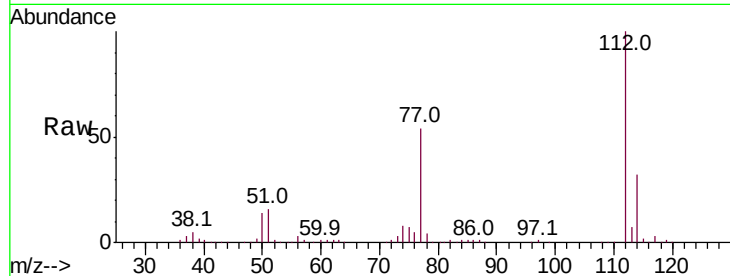
#65
Chlorobenzene
Concen: 20.101 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX008080.D
Acq: 14 Mar 2019 20:14

Instrument :
MSVOA_X
ClientSampleId :
VX0314WBSD02

Tot Ion:112 Resp: 152952
Ion Ratio Lower Upper
112 100
114 31.9 26.0 39.0

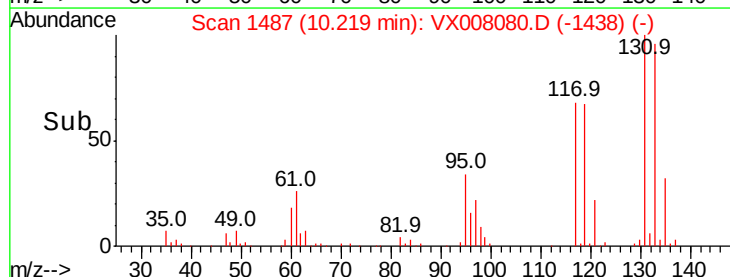
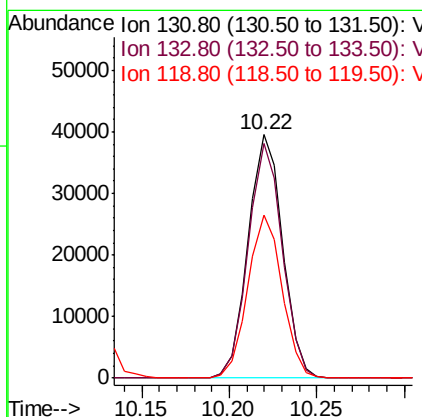
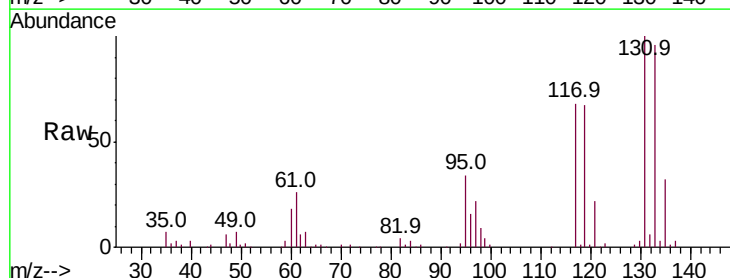
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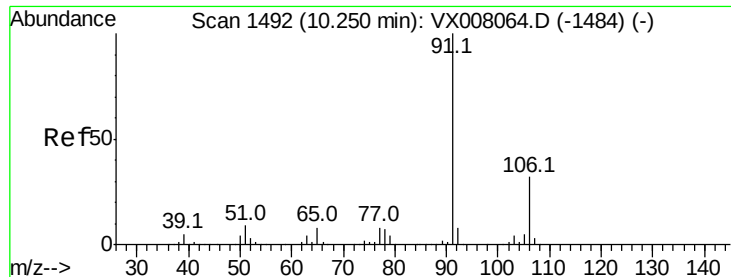
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.079 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX008080.D
Acq: 14 Mar 2019 20:14

Tgt Ion:131 Resp: 54222
Ion Ratio Lower Upper
131 100
133 95.6 47.8 143.3
119 66.7 32.5 97.5





#67

Ethyl Benzene

Concen: 20.153 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX008080.D

Acq: 14 Mar 2019 20:14

Instrument :

MSVOA_X

ClientSampleId :

VX0314WBSD02

Tot Ion: 91 Resp: 253822

Ion Ratio Lower Upper

91 100

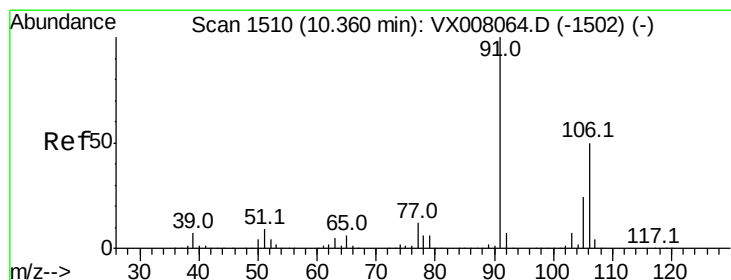
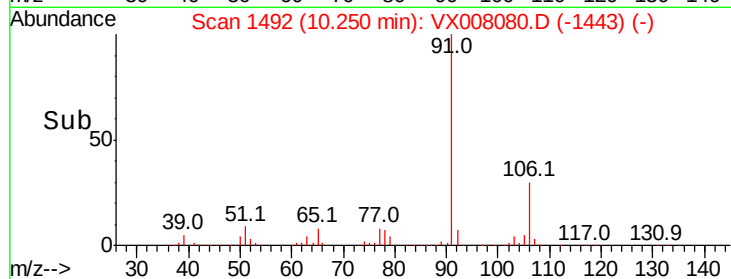
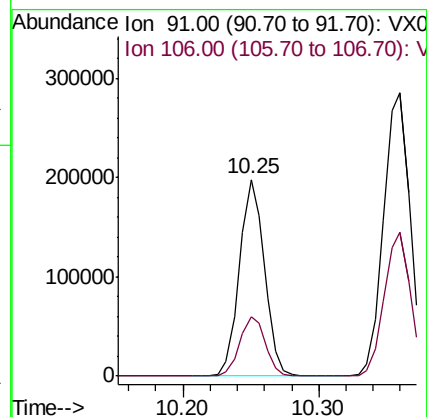
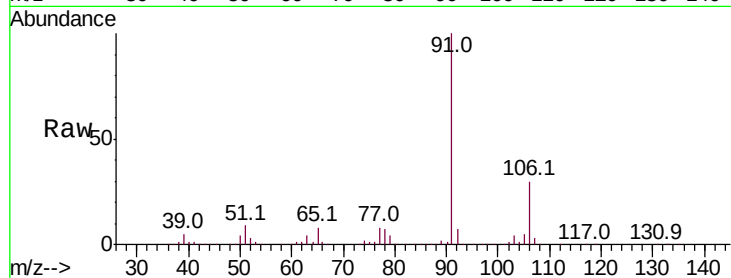
106 30.5 25.2 37.8

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#68

m/p-Xylenes

Concen: 40.377 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX008080.D

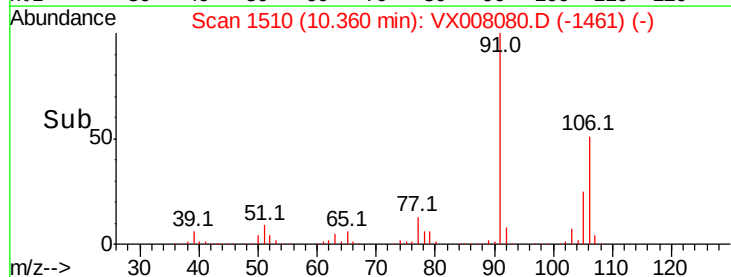
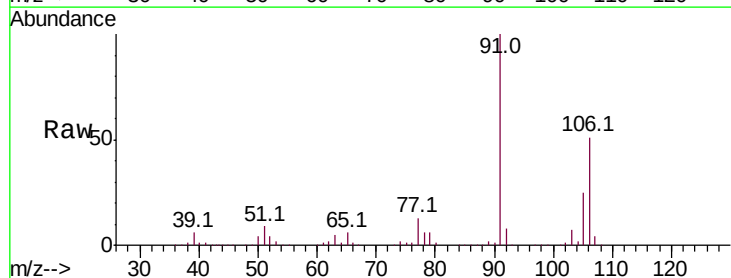
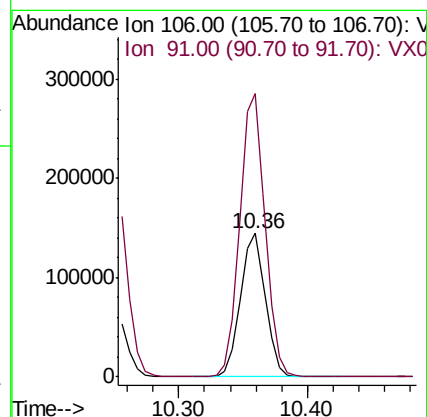
Acq: 14 Mar 2019 20:14

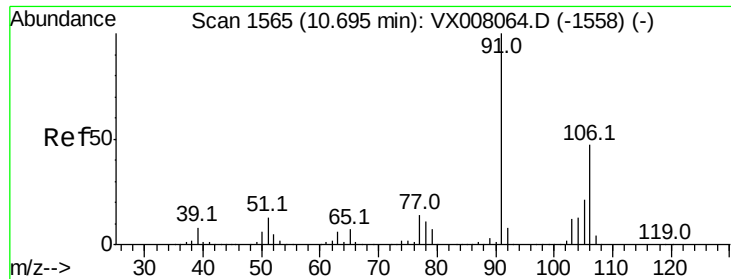
Tgt Ion: 106 Resp: 194593

Ion Ratio Lower Upper

106 100

91 200.2 159.8 239.6





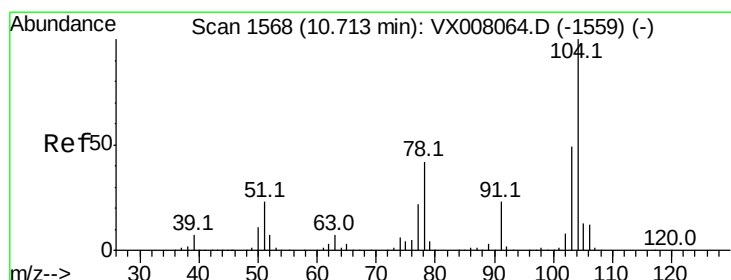
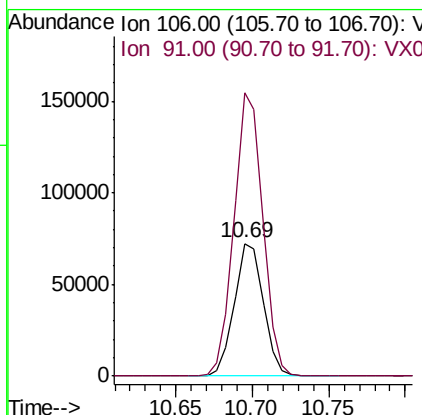
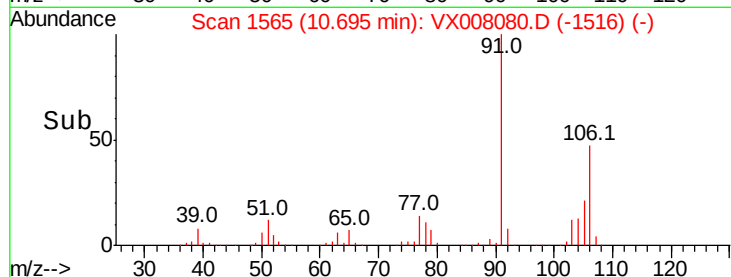
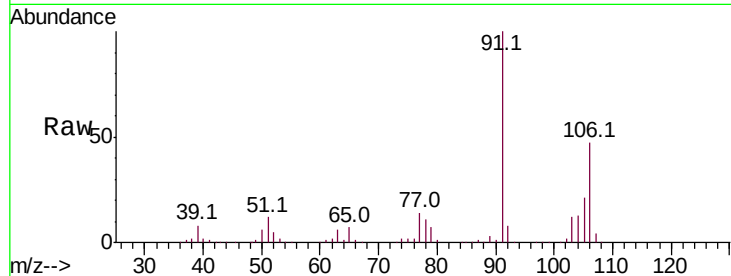
#69
o-Xylene
Concen: 20.362 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX008080.D
Acq: 14 Mar 2019 20:14

Instrument :
MSVOA_X
ClientSampleId :
VX0314WBSD02

Tot Ion:106 Resp: 95665
Ion Ratio Lower Upper
106 100
91 211.0 106.3 318.9

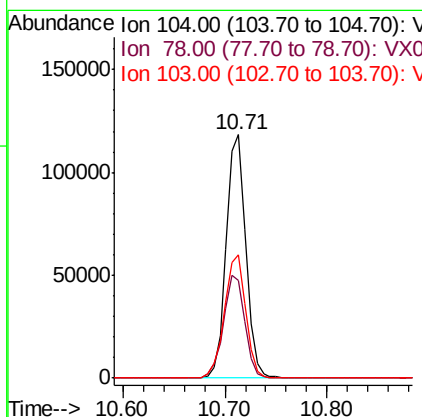
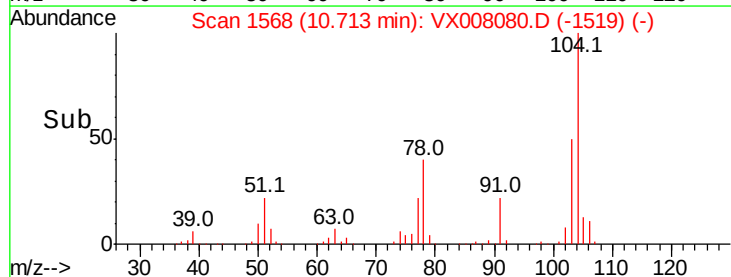
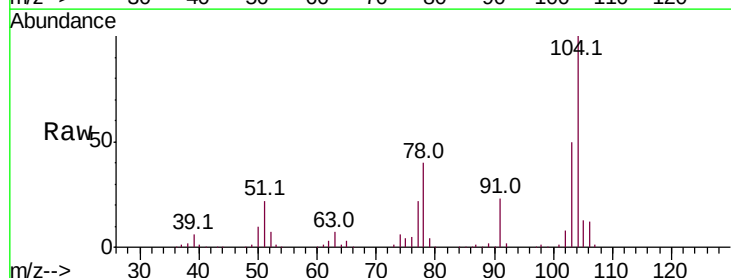
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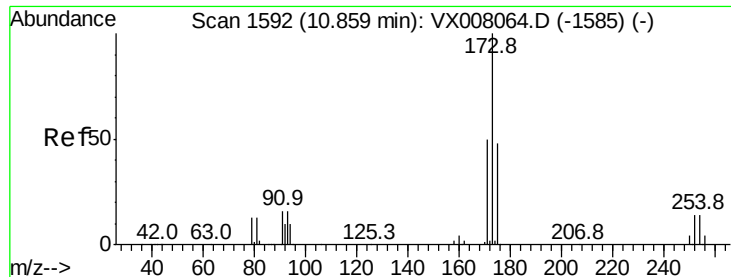
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#70
Styrene
Concen: 20.409 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX008080.D
Acq: 14 Mar 2019 20:14

Tgt Ion:104 Resp: 157076
Ion Ratio Lower Upper
104 100
78 46.7 38.5 57.7
103 55.1 44.1 66.1





#71

Bromoform

Concen: 19.022 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.01 min

Lab File: VX008080.D

Acq: 14 Mar 2019 20:14

Instrument :

MSVOA_X

ClientSampleId :

VX0314WBSD02

Tot Ion:173 Resp: 42511

Ion Ratio Lower Upper

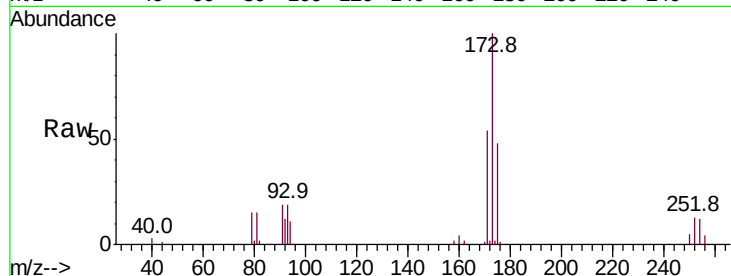
173 100

175 49.1 24.3 72.9

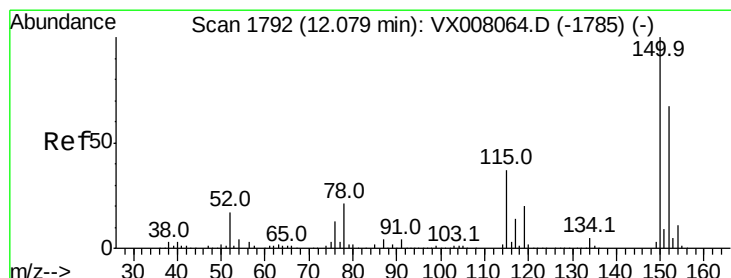
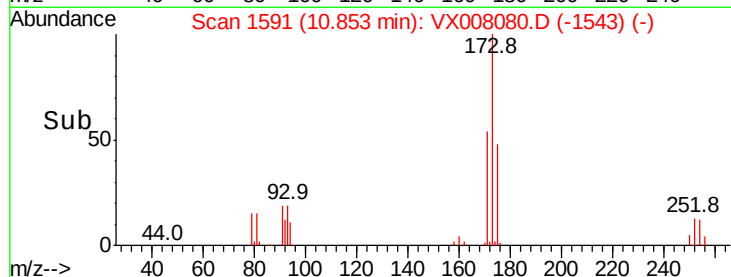
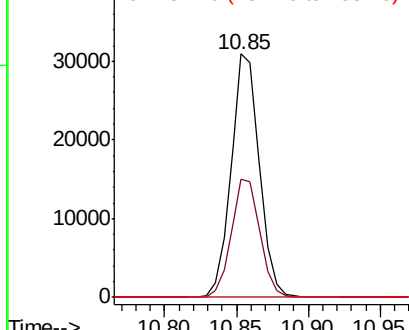
254 0.0 0.1 0.1#

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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: VX008080.D

Acq: 14 Mar 2019 20:14

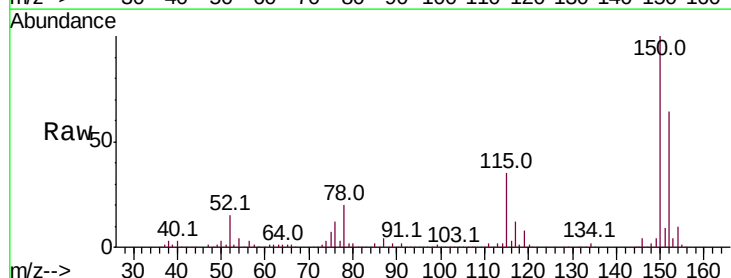
Tgt Ion:152 Resp: 189398

Ion Ratio Lower Upper

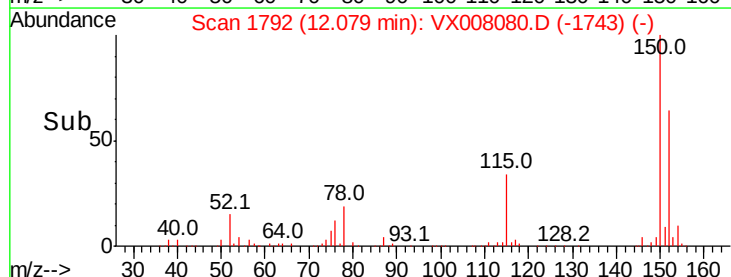
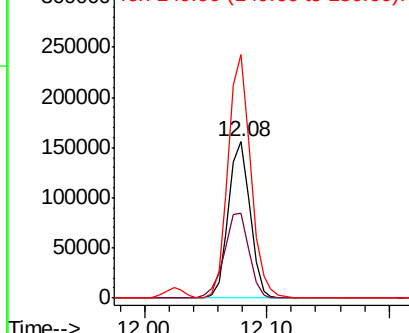
152 100

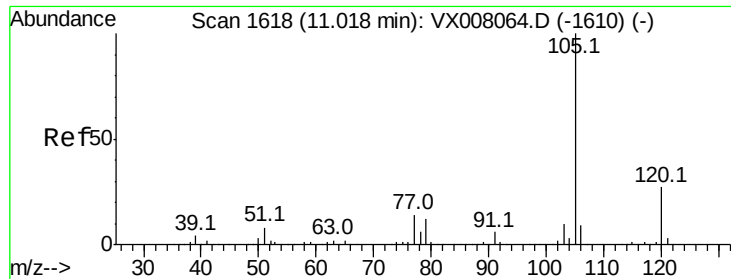
115 62.8 38.6 115.7

150 162.3 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





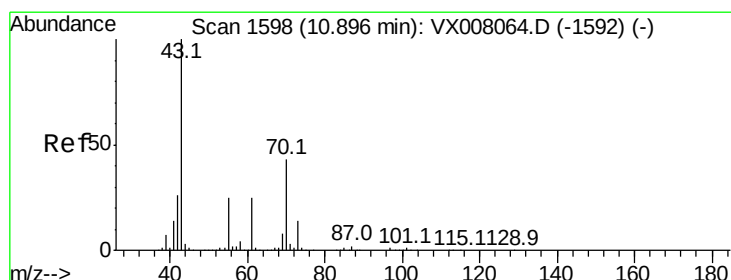
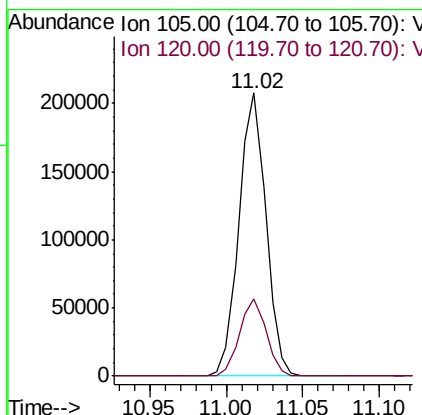
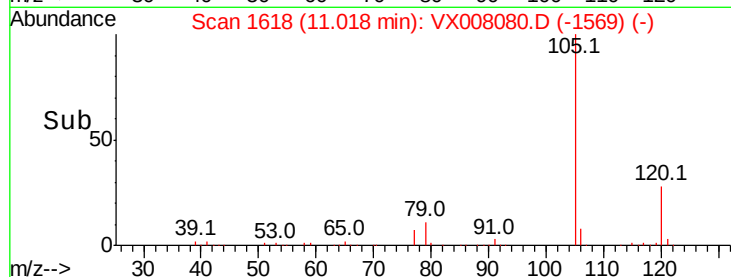
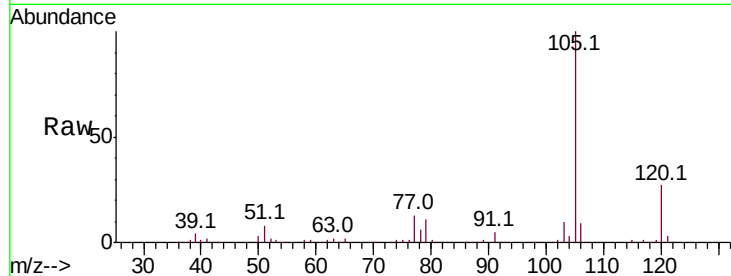
#73
Isopropylbenzene
Concen: 21.009 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX008080.D
Acq: 14 Mar 2019 20:14

Instrument :
MSVOA_X
ClientSampleId :
VX0314WBSD02

Tot Ion: 105 Resp: 254853
Ion Ratio Lower Upper
105 100
120 27.1 13.4 40.1

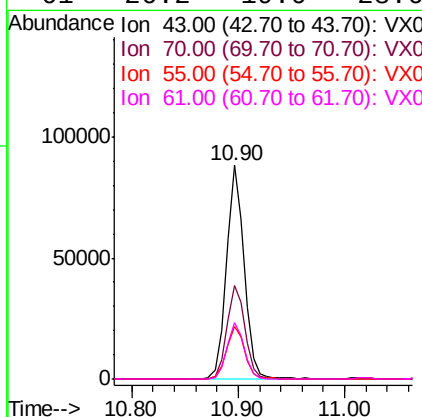
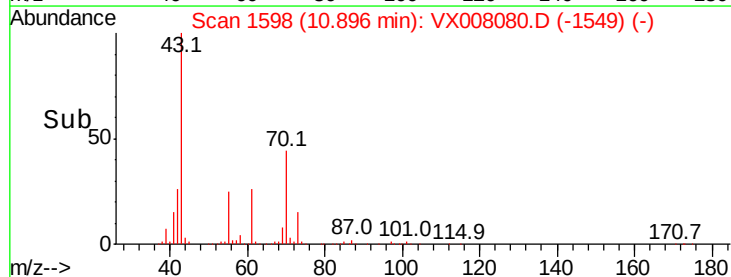
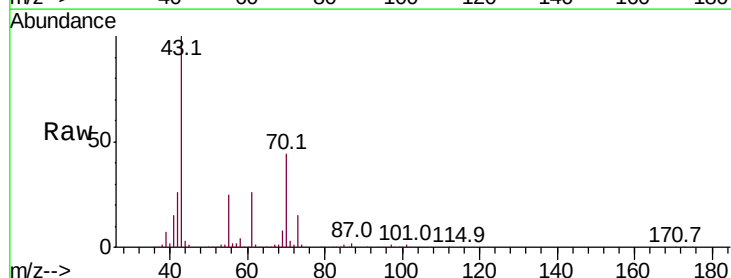
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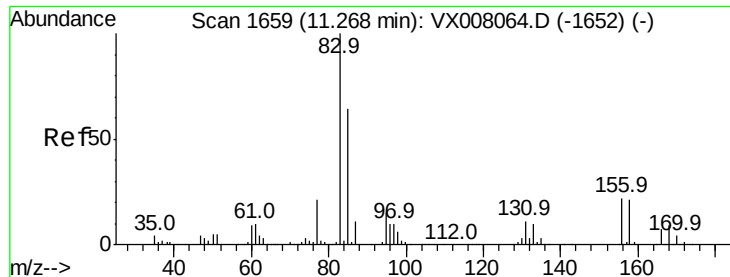
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#74
N-ethyl acetate
Concen: 20.128 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VX008080.D
Acq: 14 Mar 2019 20:14

Tgt Ion: 43 Resp: 102999
Ion Ratio Lower Upper
43 100
70 45.0 33.5 50.3
55 25.4 19.2 28.8
61 26.2 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.959 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX008080.D

Acq: 14 Mar 2019 20:14

Instrument :

MSVOA_X

ClientSampleId :

VX0314WBSD02

Tot Ion: 83 Resp: 83306

Ion Ratio Lower Upper

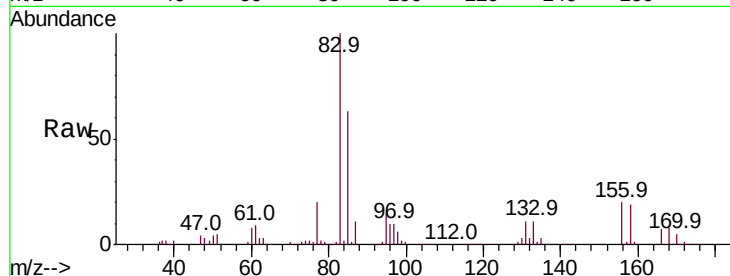
83 100

131 10.8 5.4 16.2

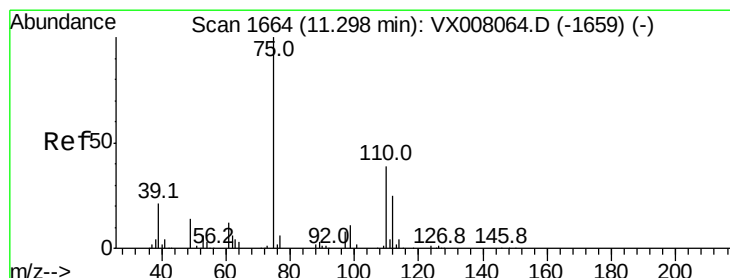
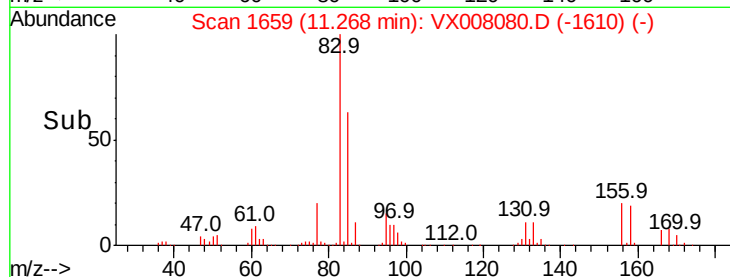
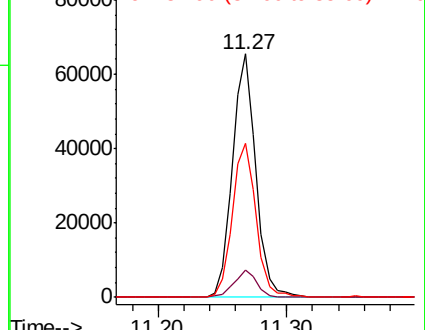
85 64.4 32.3 96.8

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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: 24.298 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. -0.01 min

Lab File: VX008080.D

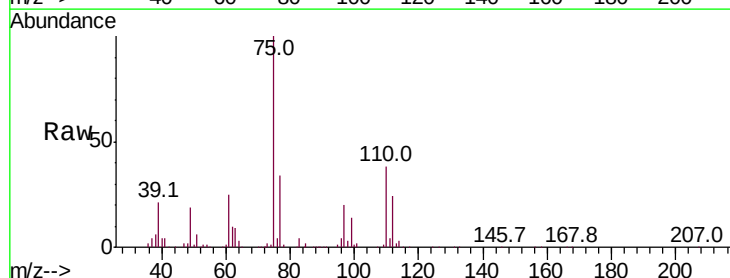
Acq: 14 Mar 2019 20:14

Tgt Ion: 75 Resp: 79924

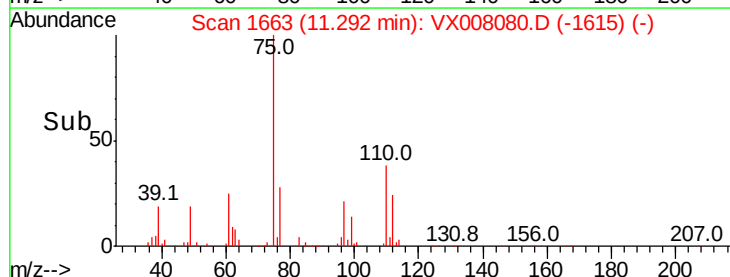
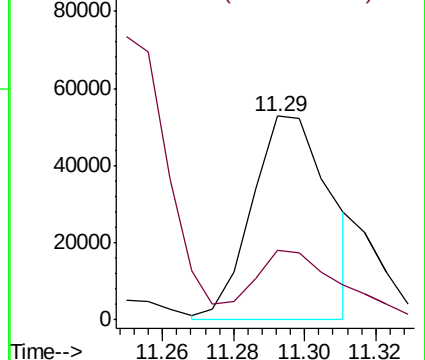
Ion Ratio Lower Upper

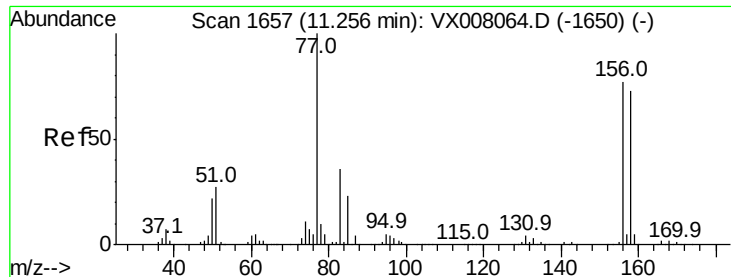
75 100

77 38.9 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: 21.053 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX008080.D

Acq: 14 Mar 2019 20:14

Instrument :

MSVOA_X

ClientSampleId :

VX0314WBSD02

Tot Ion:156 Resp: 69707

Ion Ratio Lower Upper

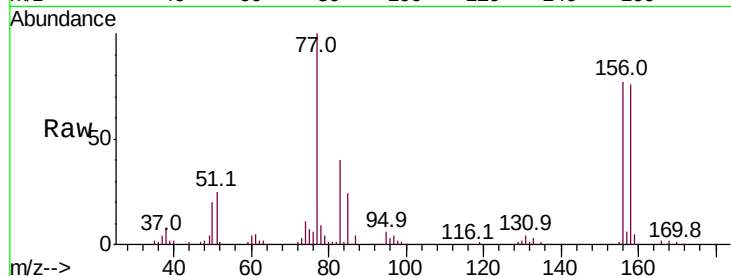
156 100

77 137.3 72.0 215.9

158 98.0 48.6 145.9

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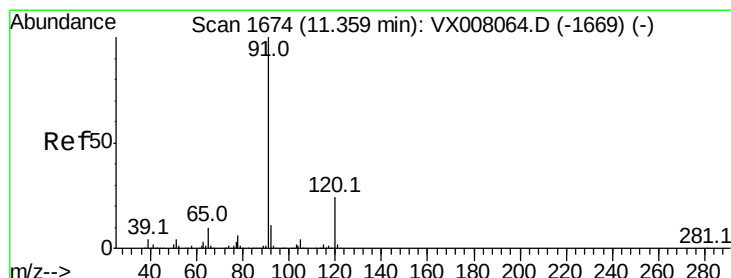
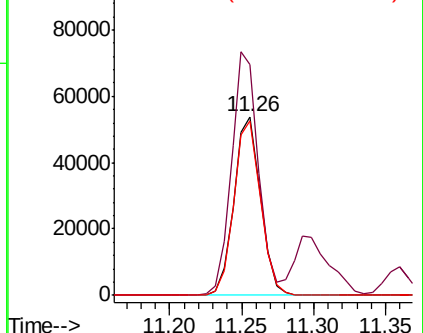
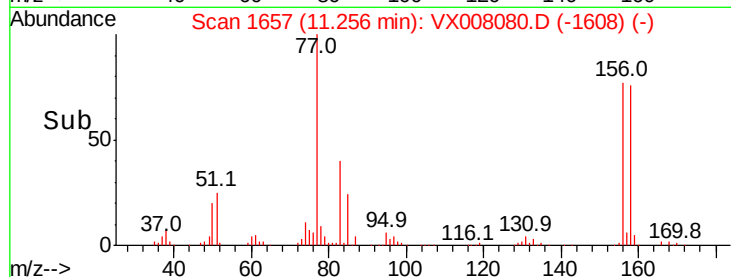
MMDadoda
3/15/2019 9:06:28 AM



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: 20.660 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008080.D

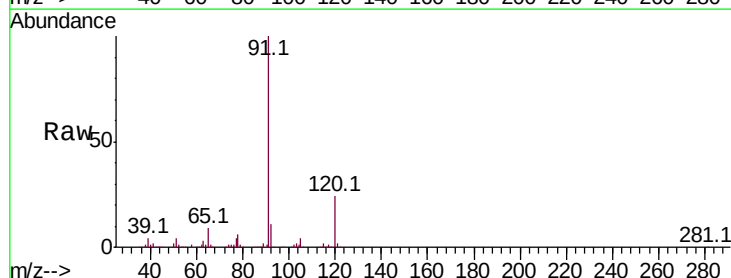
Acq: 14 Mar 2019 20:14

Tgt Ion: 91 Resp: 274957

Ion Ratio Lower Upper

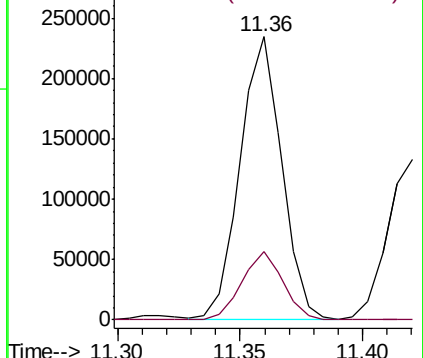
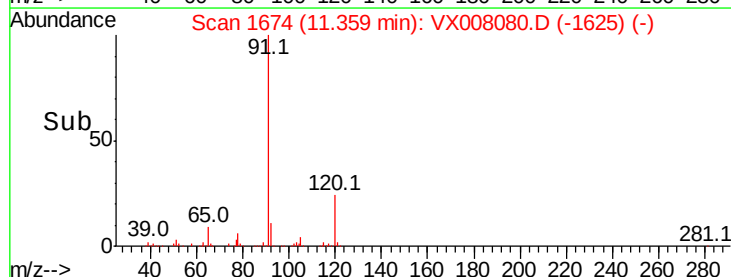
91 100

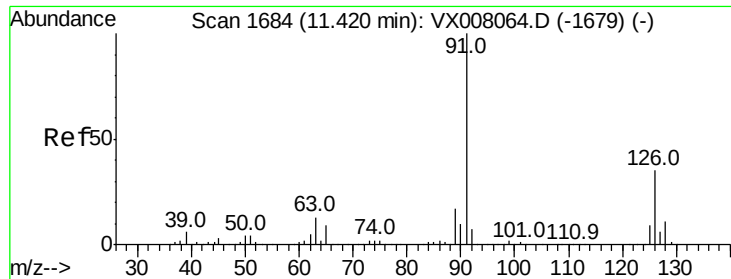
120 24.1 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.606 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX008080.D

Acq: 14 Mar 2019 20:14

Instrument :

MSVOA_X

ClientSampleId :

VX0314WBSD02

Tot Ion: 91 Resp: 167481

Ion Ratio Lower Upper

91 100

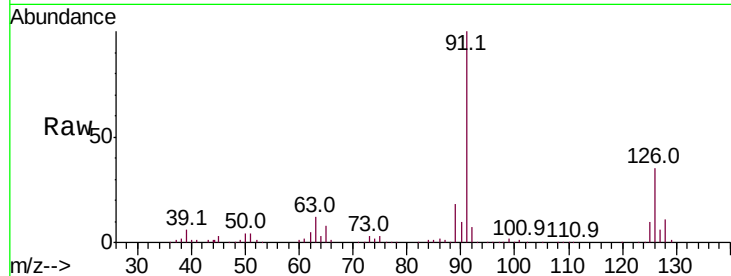
126 36.0 17.5 52.6

Manual Integrations

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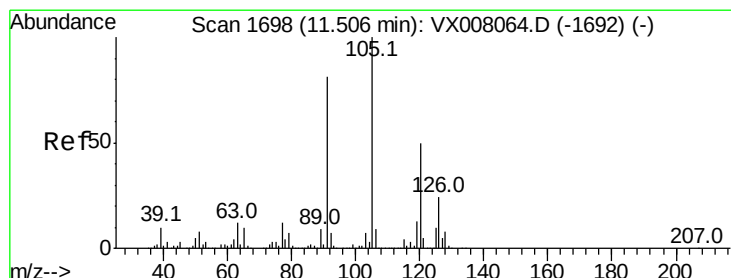
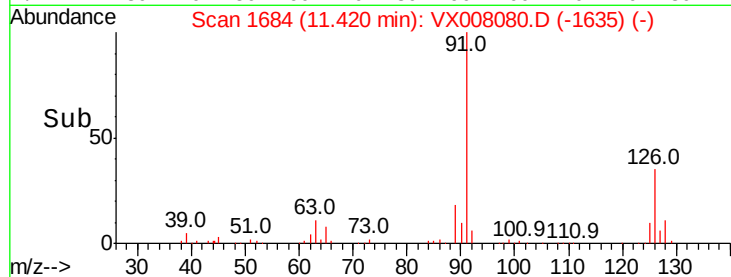
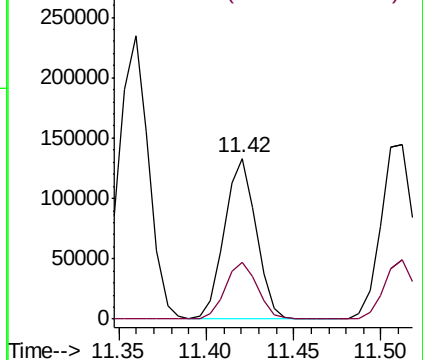
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.174 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008080.D

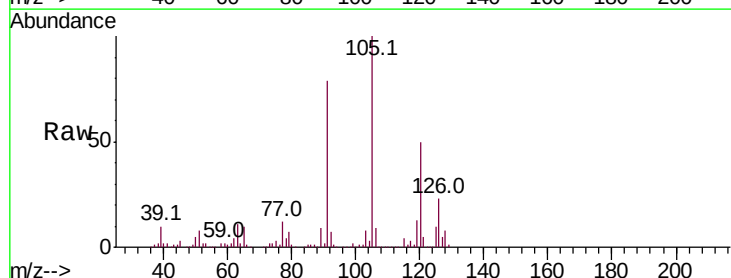
Acq: 14 Mar 2019 20:14

Tgt Ion:105 Resp: 211653

Ion Ratio Lower Upper

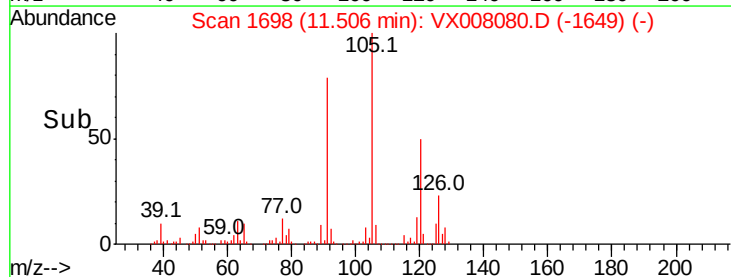
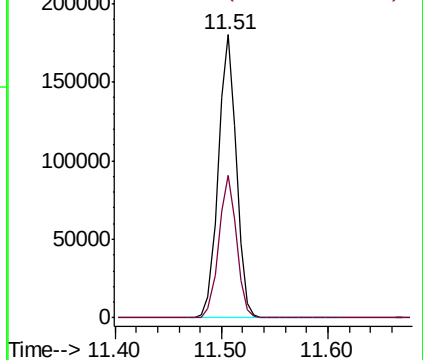
105 100

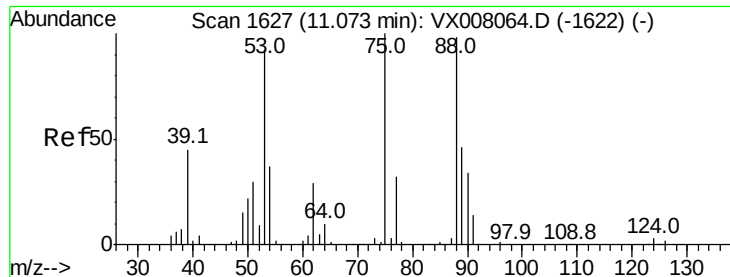
120 49.6 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 18.743 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX008080.D

Acq: 14 Mar 2019 20:14

Instrument :

MSVOA_X

ClientSampleId :

VX0314WBSD02

Tot Ion: 75 Resp: 21665

Ion Ratio Lower Upper

75 100

53 99.4 76.1 114.1

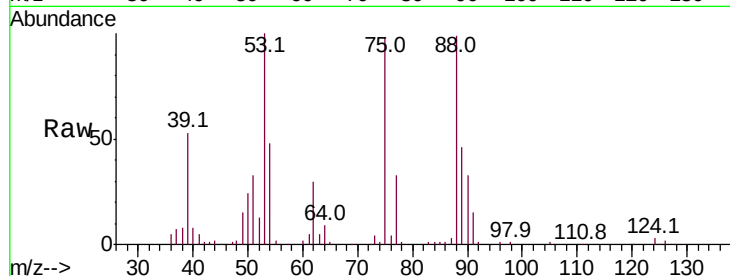
89 45.7 36.3 54.5

Manual Integrations

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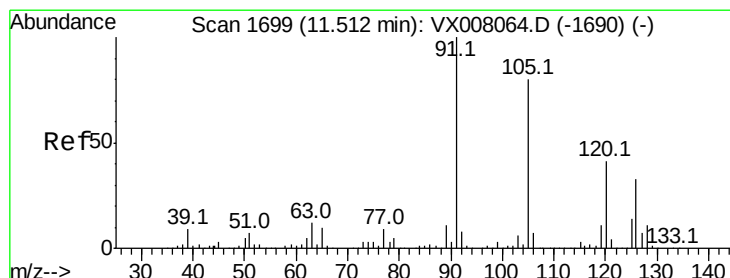
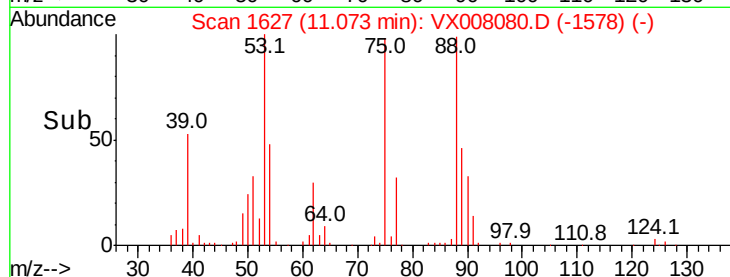
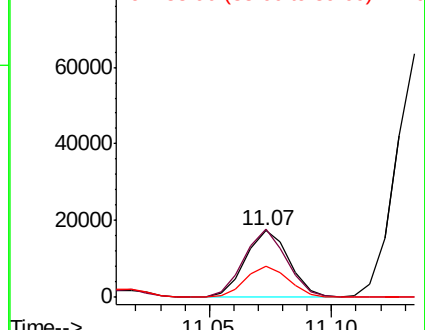
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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 20.148 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX008080.D

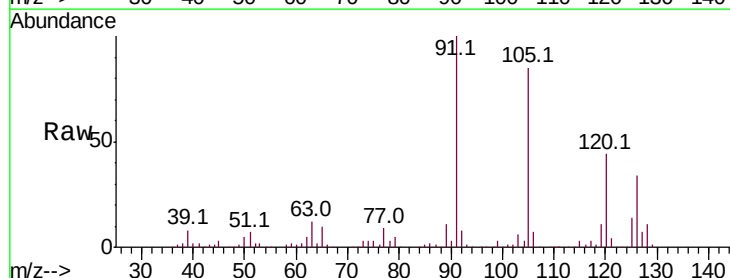
Acq: 14 Mar 2019 20:14

Tgt Ion: 91 Resp: 187558

Ion Ratio Lower Upper

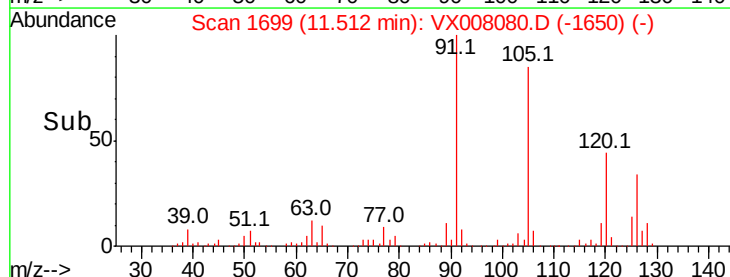
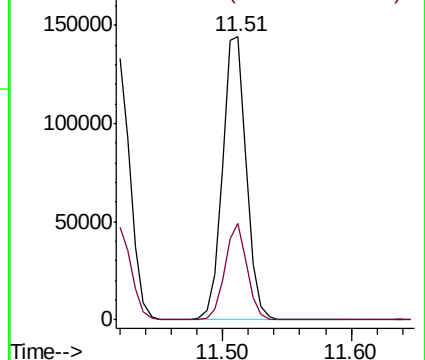
91 100

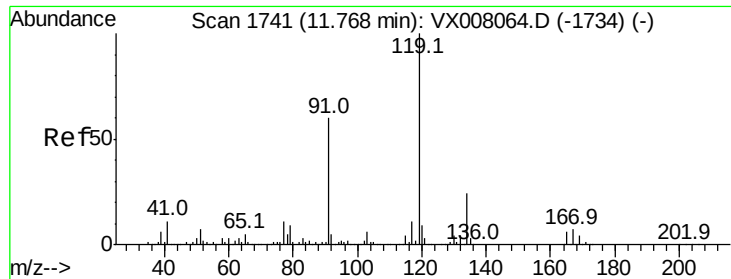
126 31.9 15.6 46.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





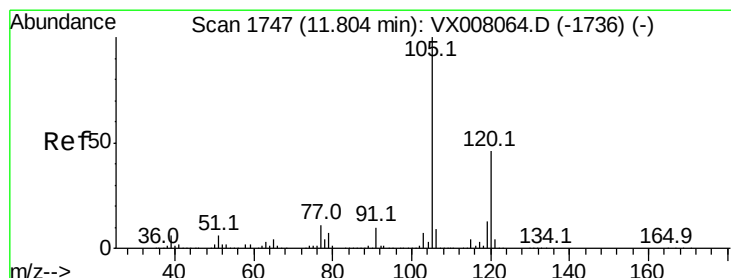
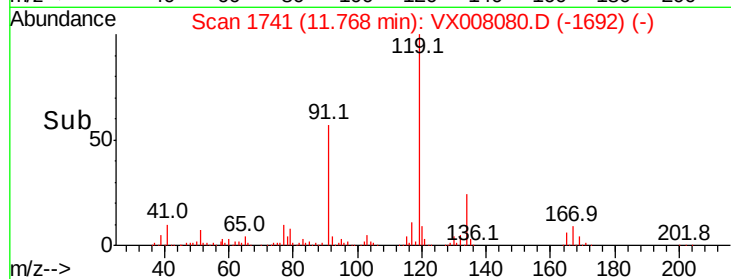
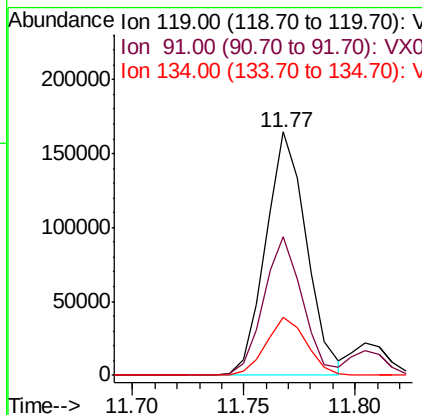
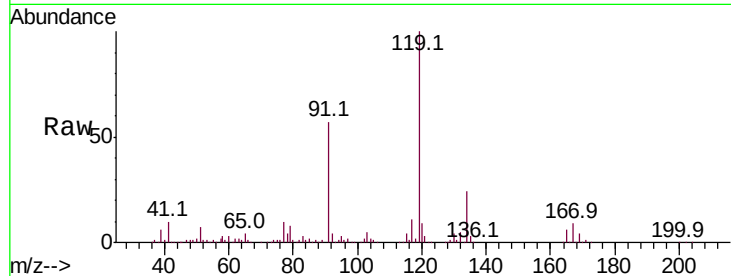
#83
tert-Butylbenzene
Concen: 20.856 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX008080.D
Acq: 14 Mar 2019 20:14

Instrument :
MSVOA_X
ClientSampleId :
VX0314WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	208919		
91	54.5		27.1	81.3
134	23.7		11.4	34.1

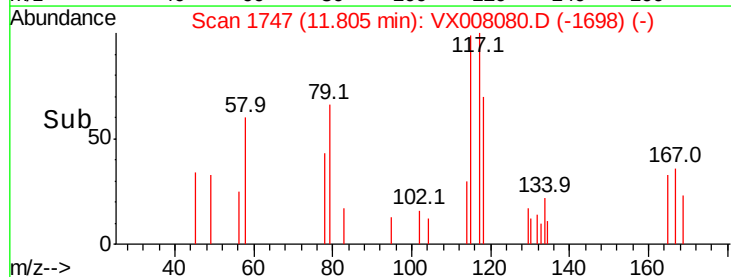
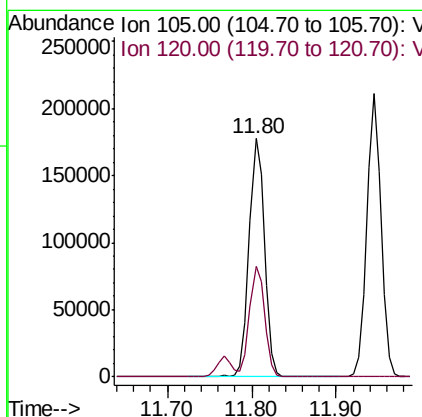
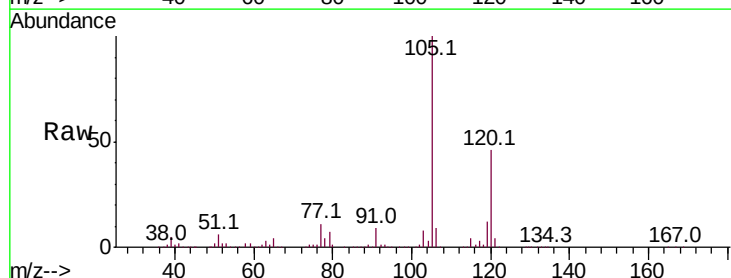
Manual Integrations
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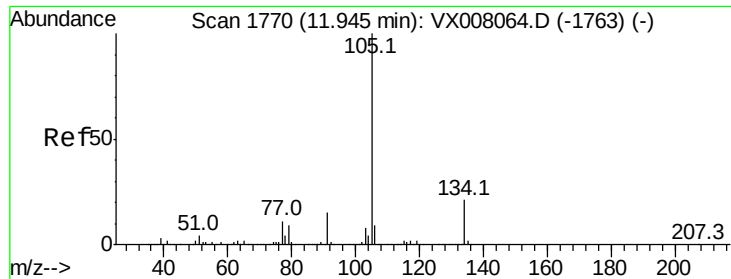
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#84
1,2,4-Trimethylbenzene
Concen: 20.902 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX008080.D
Acq: 14 Mar 2019 20:14

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	215514		
120	45.3		22.6	67.7





#85

sec-Butylbenzene

Concen: 20.728 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX008080.D

Acq: 14 Mar 2019 20:14

Instrument :

MSVOA_X

ClientSampleId :

VX0314WBSD02

Tot Ion:105 Resp: 247386

Ion Ratio Lower Upper

105 100

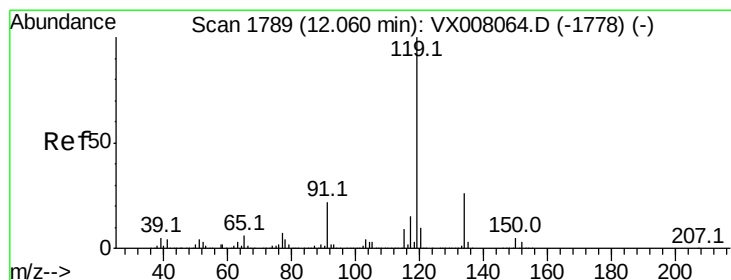
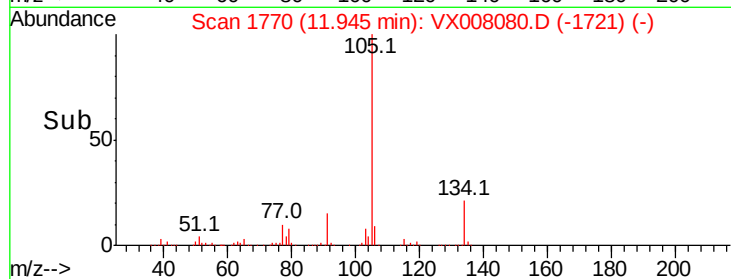
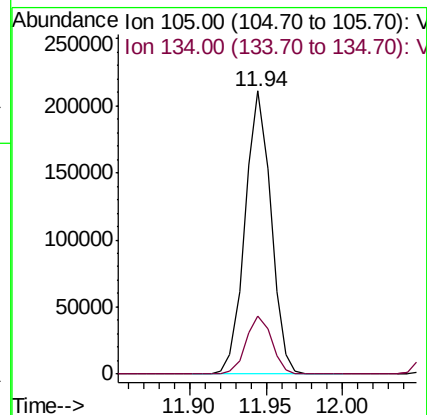
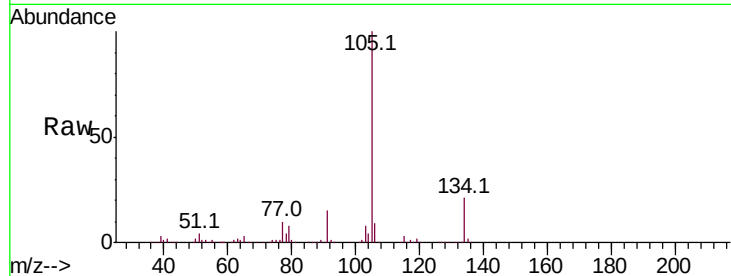
134 20.7 10.4 31.2

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 20.770 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX008080.D

Acq: 14 Mar 2019 20:14

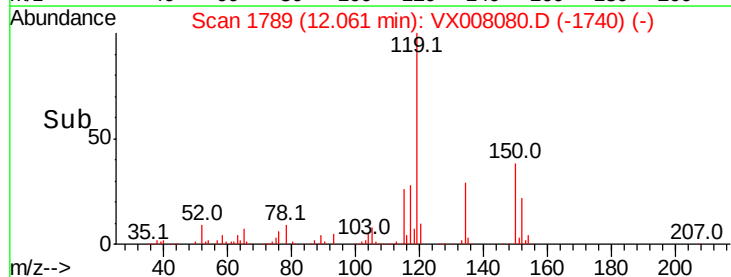
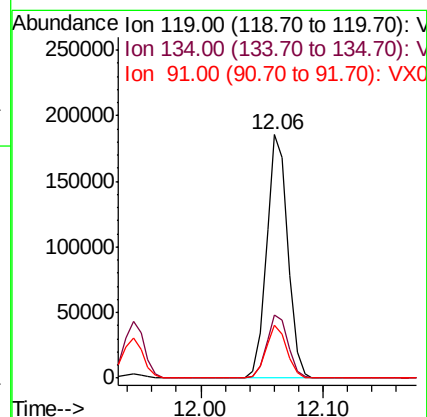
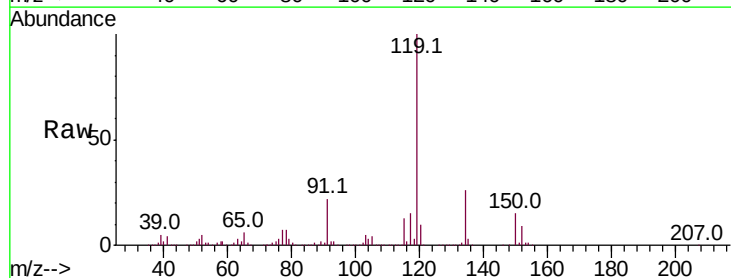
Tgt Ion:119 Resp: 224188

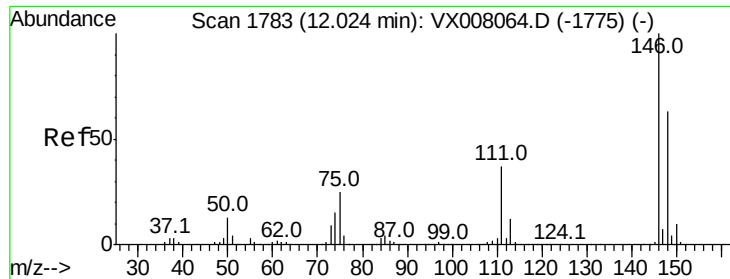
Ion Ratio Lower Upper

119 100

134 26.2 13.3 39.9

91 21.2 10.9 32.7





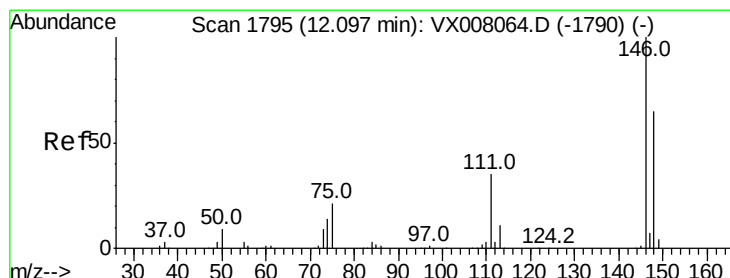
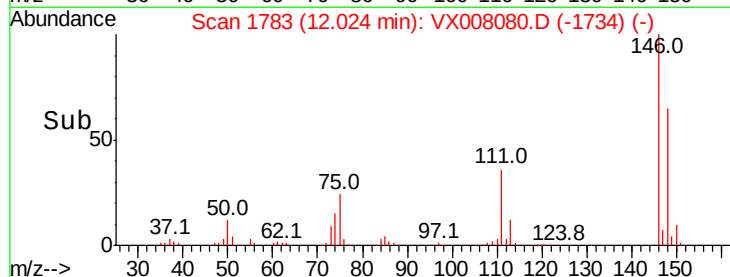
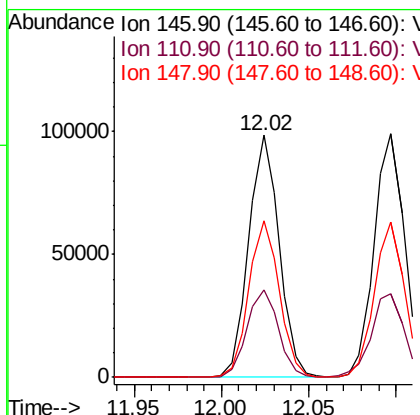
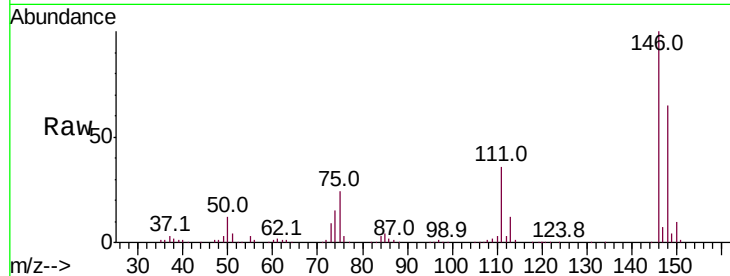
#87
 1,3-Dichlorobenzene
 Concen: 20.284 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX008080.D
 Acq: 14 Mar 2019 20:14

Instrument :
 MSVOA_X
 ClientSampled :
 VX0314WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.9	56.7
148	64.7	31.7	95.1

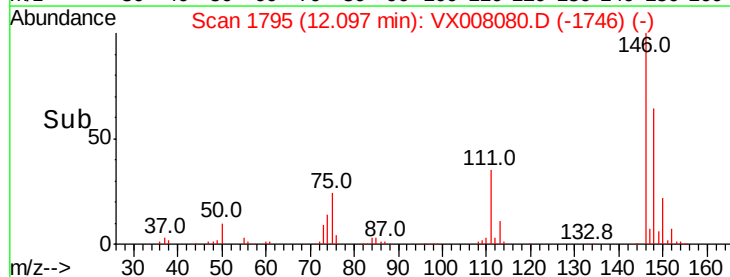
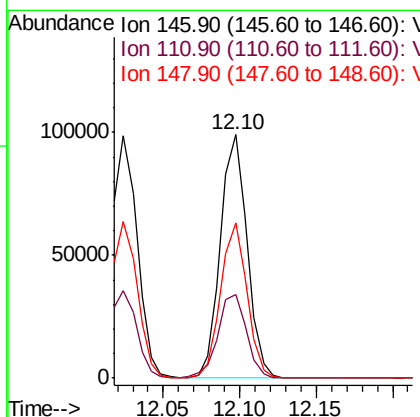
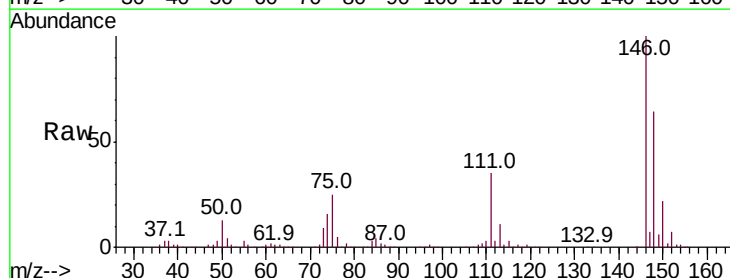
Manual Integrations
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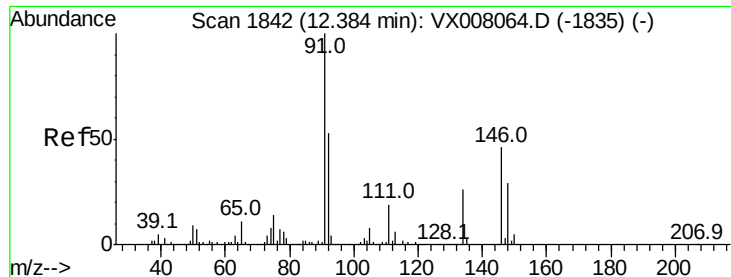
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 3/15/2019 9:06:28 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.063 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX008080.D
 Acq: 14 Mar 2019 20:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.4	55.0
148	63.2	32.2	96.6





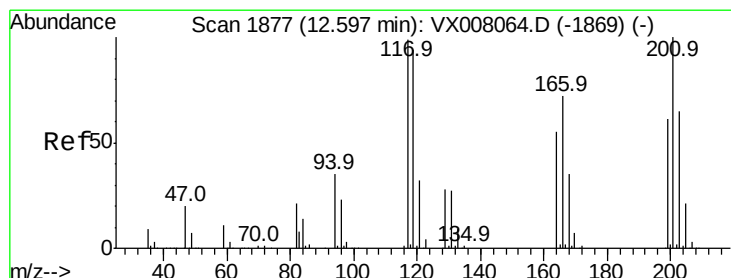
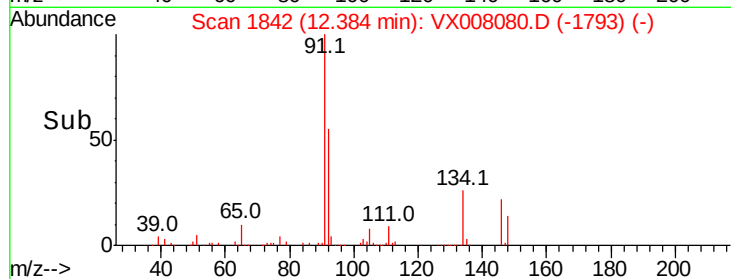
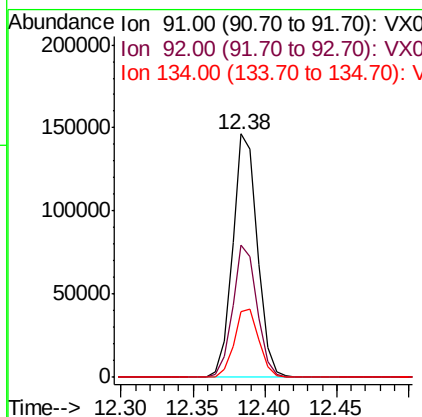
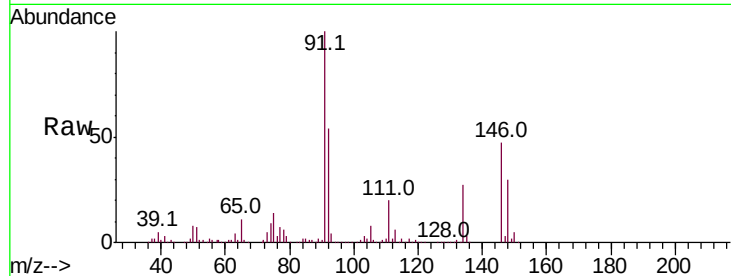
#89
n-Butylbenzene
Concen: 19.510 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX008080.D
Acq: 14 Mar 2019 20:14

Instrument :
MSVOA_X
ClientSampleId :
VX0314WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.6	27.0	80.8
134	28.0	13.7	41.0

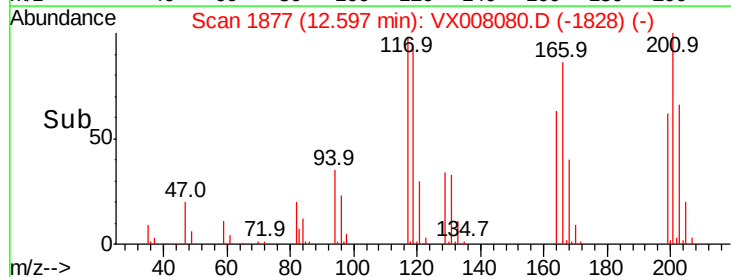
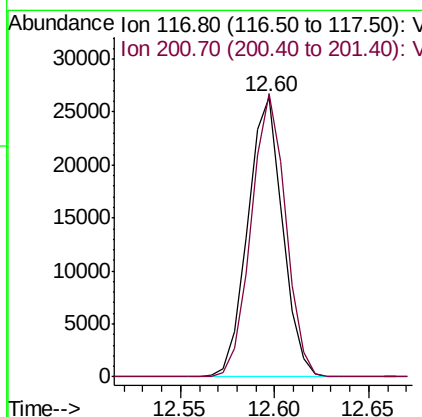
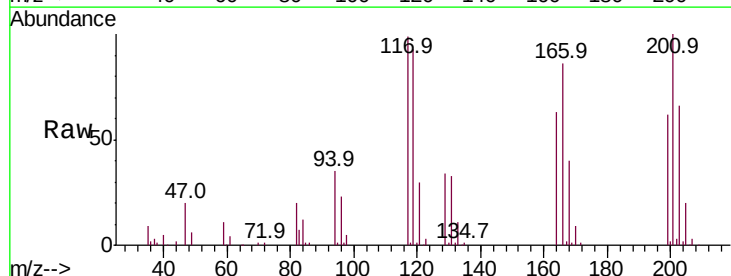
Manual Integrations
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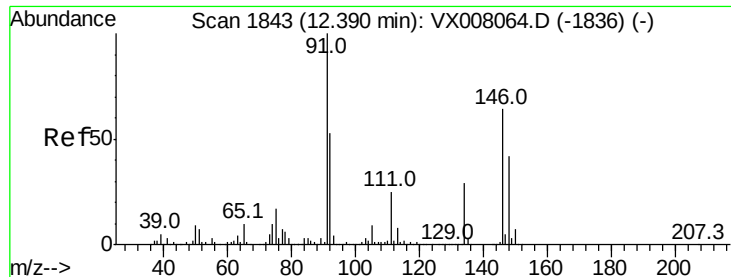
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3/15/2019 9:06:28 AM



#90
Hexachloroethane
Concen: 19.524 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX008080.D
Acq: 14 Mar 2019 20:14

Tgt Ion	Ratio	Lower	Upper
117	100		
201	100.1	48.9	146.7





#91

1,2-Dichlorobenzene

Concen: 20.486 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX008080.D

Acq: 14 Mar 2019 20:14

Instrument :

MSVOA_X

ClientSampleId :

VX0314WBSD02

Tot Ion:146 Resp: 119774

Ion Ratio Lower Upper

146 100

111 38.9 19.6 58.8

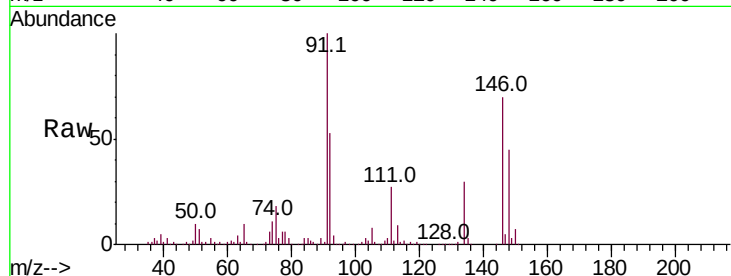
148 64.3 31.9 95.5

Manual Integrations

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MMDadoda

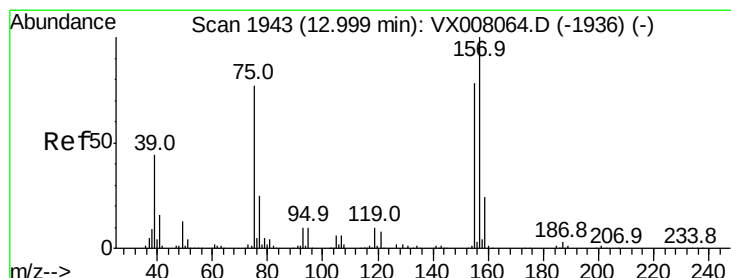
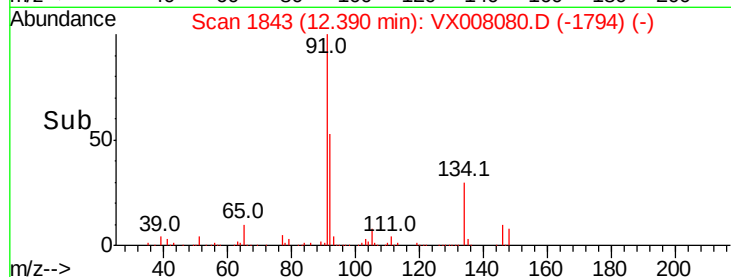
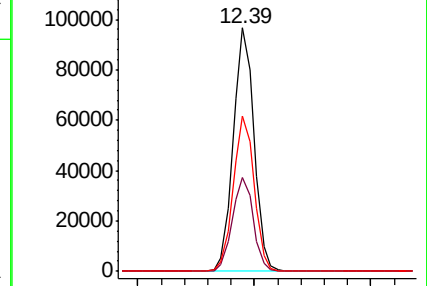
3/15/2019 9:06:28 AM



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.730 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX008080.D

Acq: 14 Mar 2019 20:14

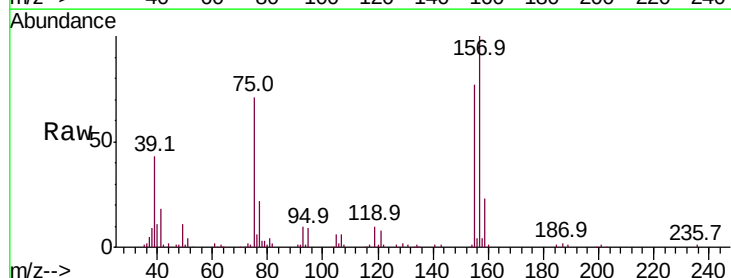
Tgt Ion: 75 Resp: 15855

Ion Ratio Lower Upper

75 100

155 108.7 49.7 149.1

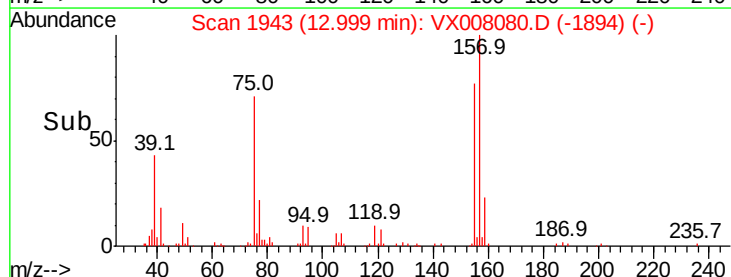
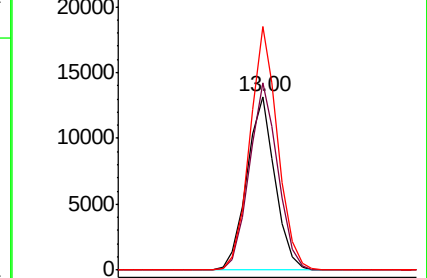
157 138.5 63.8 191.4

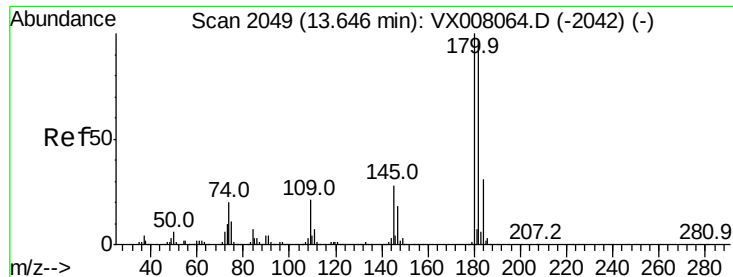


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





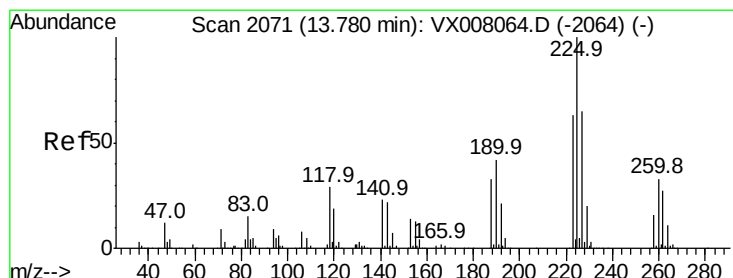
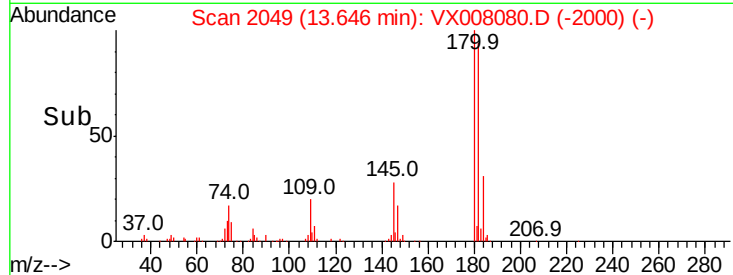
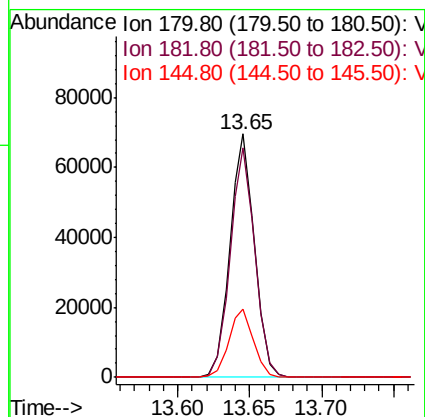
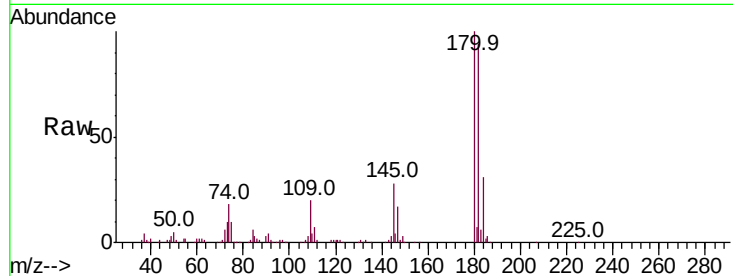
#93
 1,2,4-Trichlorobenzene
 Concen: 20.064 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX008080.D
 Acq: 14 Mar 2019 20:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0314WBSD02

Tot Ion:	180	Resp:	83095
Ion Ratio	Lower	Upper	
180	100		
182	94.6	47.9	143.7
145	28.2	14.1	42.4

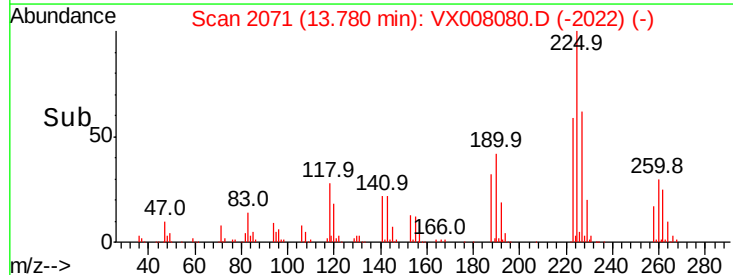
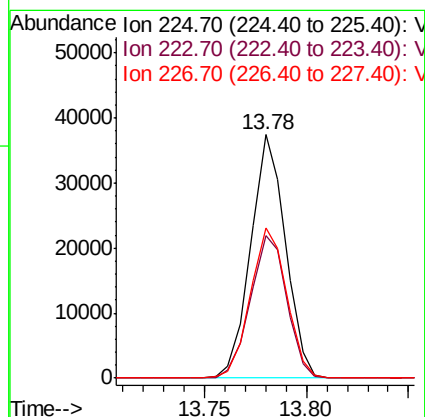
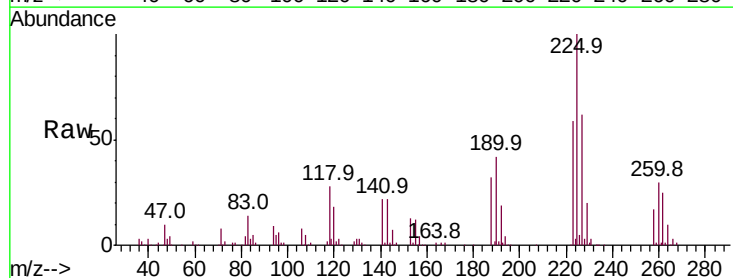
Manual Integrations
 APPROVED

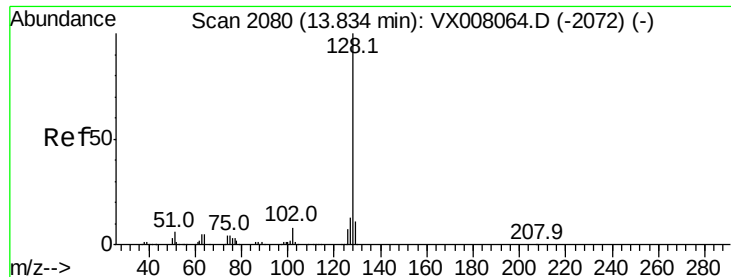
MMDadoda
 3/15/2019 9:06:28 AM



#94
 Hexachlorobutadiene
 Concen: 19.692 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX008080.D
 Acq: 14 Mar 2019 20:14

Tgt Ion:	225	Resp:	44308
Ion Ratio	Lower	Upper	
225	100		
223	61.5	31.1	93.2
227	64.1	32.0	96.0





#95

Naphthalene

Concen: 21.296 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX008080.D

Acq: 14 Mar 2019 20:14

Instrument :

MSVOA_X

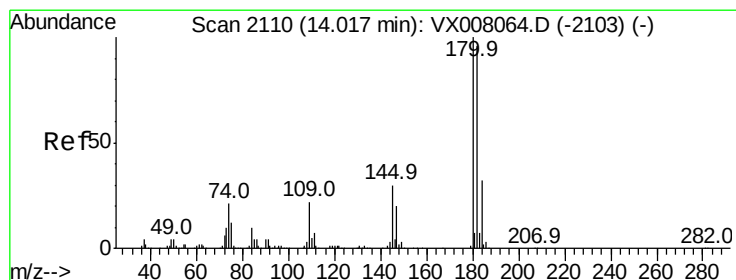
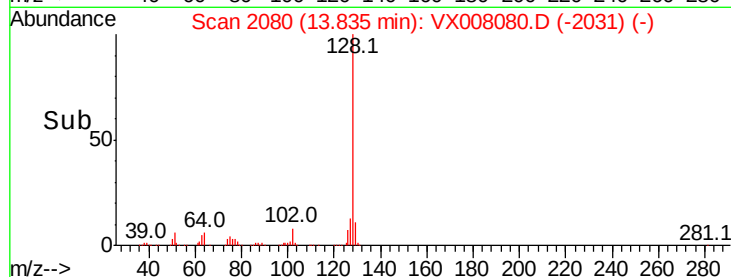
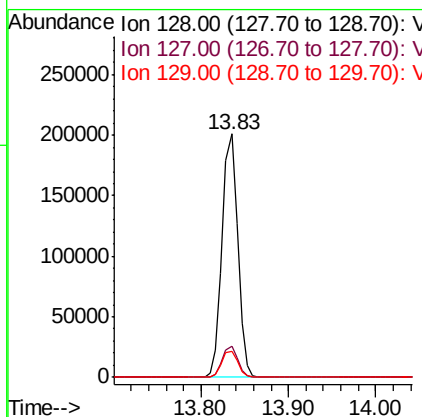
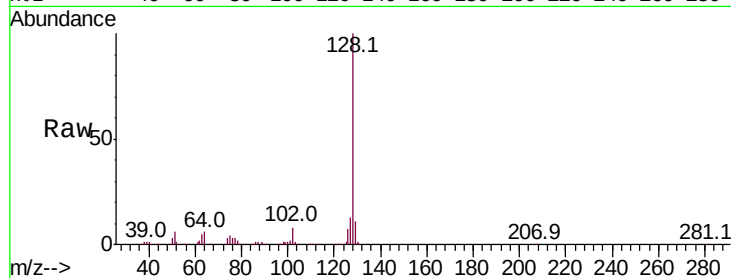
ClientSampleId :

VX0314WBSD02

Tot Ion:	128	Resp:	247997
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	11.2	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/15/2019 9:06:28 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.415 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX008080.D

Acq: 14 Mar 2019 20:14

Tgt Ion:	180	Resp:	83232
Ion	Ratio	Lower	Upper
180	100		
182	96.9	47.5	142.5
145	29.4	14.8	44.3

