

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101818\
 Data File : VX005421.D
 Acq On : 18 Oct 2018 11:17
 Operator : JC/MD
 Sample : VX1018MBS01
 Misc : 5.00µL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1018MBS01

Manual Integrations
 APPROVED

MMDadoda
 10/19/2018 1:51:27 PM

Quant Time: Oct 19 03:49:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	255740	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	366302	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	342454	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	192367	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	144750	51.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.00%	
35) Dibromofluoromethane	5.50	113	119073	49.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.16%	
50) Toluene-d8	8.71	98	449286	53.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.88%	
62) 4-Bromofluorobenzene	11.14	95	165940	53.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	37858	18.933	ug/l	96
3) Chloromethane	1.32	50	53511	18.469	ug/l	100
4) Vinyl Chloride	1.40	62	55182	18.801	ug/l	100
5) Bromomethane	1.64	94	32996	20.257	ug/l	98
6) Chloroethane	1.72	64	35565	19.522	ug/l	96
7) Trichlorofluoromethane	1.93	101	78870	20.137	ug/l	96
8) Diethyl Ether	2.19	74	33329	19.927	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.39	101	46529	20.582	ug/l	96
10) Methyl Iodide	2.51	142	43823	19.288	ug/l	99
11) Tert butyl alcohol	3.07	59	83037	103.712	ug/l	100
12) 1,1-Dichloroethene	2.37	96	44498	19.866	ug/l	98
13) Acrolein	2.29	56	35148	67.213	ug/l	96
14) Allyl chloride	2.73	41	96984	19.722	ug/l	96
15) Acrylonitrile	3.15	53	178078	98.151	ug/l	98
16) Acetone	2.45	43	167713	102.197	ug/l	99
17) Carbon Disulfide	2.57	76	119846	17.663	ug/l	99
18) Methyl Acetate	2.78	43	97471	20.877	ug/l	95
19) Methyl tert-butyl Ether	3.20	73	166308	21.082	ug/l	98
20) Methylene Chloride	2.85	84	52421	21.168	ug/l	94
21) trans-1,2-Dichloroethene	3.16	96	47888	19.292	ug/l	100
22) Diisopropyl ether	3.87	45	158555	19.196	ug/l	92
23) Vinyl Acetate	3.82	43	689112	95.453	ug/l	97
24) 1,1-Dichloroethane	3.70	63	95778	20.233	ug/l	99
25) 2-Butanone	4.70	43	233135	97.095	ug/l	96
26) 2,2-Dichloropropane	4.58	77	70797	19.997	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	51168	18.967	ug/l	93
28) Bromochloromethane	5.02	49	46582	21.586	ug/l	96
29) Tetrahydrofuran	5.15	42	144535	94.369	ug/l	94
30) Chloroform	5.21	83	87882	20.001	ug/l	99
31) Cyclohexane	5.57	56	72522	18.588	ug/l	92
32) 1,1,1-Trichloroethane	5.49	97	75956	19.867	ug/l	99
36) 1,1-Dichloropropene	5.80	75	62387	17.586	ug/l	98
37) Ethyl Acetate	4.85	43	81559	17.877	ug/l	98
38) Carbon Tetrachloride	5.78	117	66541	18.667	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	73204	19.066	ug/l	94
40) Benzene	6.14	78	192455	18.084	ug/l	100
41) Methacrylonitrile	5.06	41	46067	18.834	ug/l	96
42) 1,2-Dichloroethane	6.20	62	70067	18.646	ug/l	97
43) Isopropyl Acetate	6.46	43	125258	20.610	ug/l	96
44) Trichloroethene	7.21	130	54344	19.621	ug/l	97
45) 1,2-Dichloropropane	7.52	63	53057	20.324	ug/l	99
46) Dibromomethane	7.66	93	33514	19.452	ug/l	96
47) Bromodichloromethane	7.90	83	64209	20.147	ug/l	100
48) Methyl methacrylate	7.77	41	60987	19.348	ug/l	96
49) 1,4-Dioxane	7.75	88	28859	396.950	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	431053	102.434	ug/l	95
52) Toluene	8.79	92	123514	21.214	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	70242	20.366	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	77980	20.867	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	51446	20.862	ug/l	96
56) Ethyl methacrylate	9.18	69	74386	20.692	ug/l	96
57) 1,3-Dichloropropane	9.37	76	85932	20.878	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	211827	105.066	ug/l	95
59) 2-Hexanone	9.49	43	342047	101.047	ug/l	94
60) Dibromochloromethane	9.59	129	53430	20.961	ug/l	99
61) 1,2-Dibromoethane	9.67	107	53018	20.486	ug/l	99
64) Tetrachloroethene	9.34	164	56505	20.496	ug/l	98
65) Chlorobenzene	10.14	112	140683	19.313	ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.22	131	51373	19.790	ug/l	99
67) Ethyl Benzene	10.25	91	230013	19.423	ug/l	97
68) m/p-Xylenes	10.36	106	182363	39.676	ug/l	96
69) o-Xylene	10.70	106	86384	19.487	ug/l	96
70) Styrene	10.71	104	144220	19.780	ug/l	97
71) Bromoform	10.86	173	43939	18.941	ug/l #	100
73) Isopropylbenzene	11.02	105	239864	20.975	ug/l	100
74) N-amyl acetate	10.90	43	105383	19.106	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.27	83	81689	18.936	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	77473m	20.763	ug/l	
77) Bromobenzene	11.26	156	66057	20.202	ug/l	99
78) n-propylbenzene	11.36	91	271068	20.599	ug/l	99
79) 2-Chlorotoluene	11.42	91	162164	20.121	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	203402	20.771	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	22495	18.318	ug/l	97
82) 4-Chlorotoluene	11.51	91	193181	20.221	ug/l	99
83) tert-Butylbenzene	11.77	119	201211	20.290	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	207987	20.638	ug/l	99
85) sec-Butylbenzene	11.94	105	244440	20.829	ug/l	99
86) p-Isopropyltoluene	12.07	119	221698	20.901	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	120125	19.661	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	122794	19.645	ug/l	98
89) n-Butylbenzene	12.39	91	188512	19.574	ug/l	98
90) Hexachloroethane	12.60	117	33620	18.391	ug/l	91
91) 1,2-Dichlorobenzene	12.39	146	120902	19.391	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	19502	18.533	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	92663	20.257	ug/l	97
94) Hexachlorobutadiene	13.79	225	47243	19.554	ug/l	95
95) Naphthalene	13.83	128	268257	20.221	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	94848	20.264	ug/l	99

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

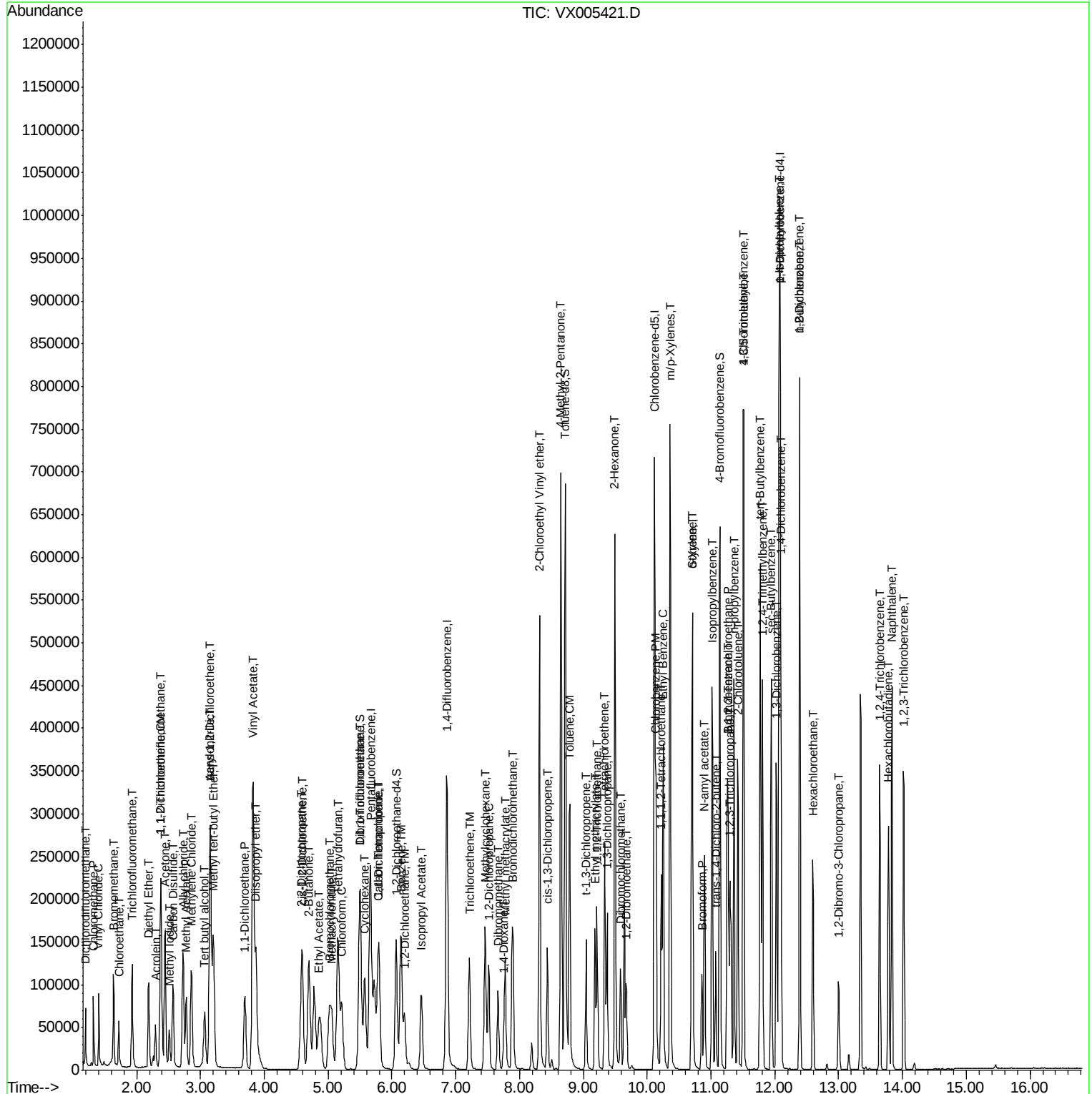
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX005421.D

Acq: 18 Oct 2018 11:17

Instrument :

MSVOA_X

ClientSampleId :

VX1018MBS01

Tot Ion:168 Resp: 255740

Ion Ratio Lower Upper

168 100

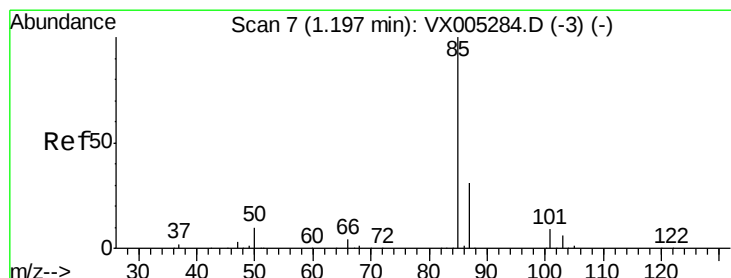
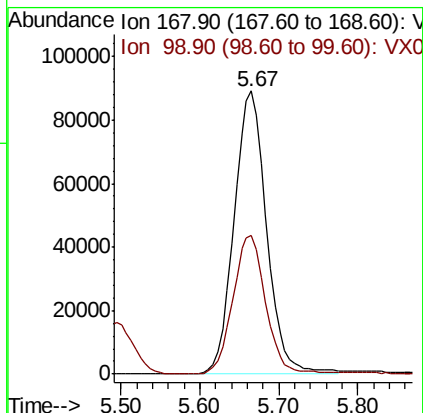
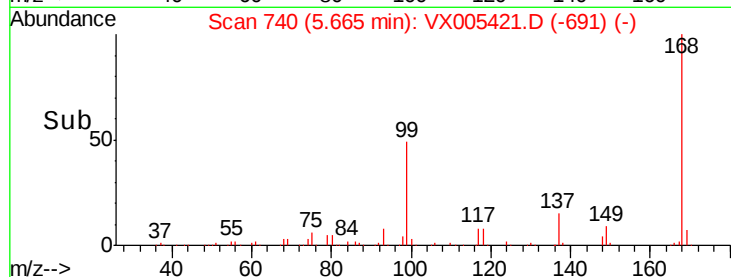
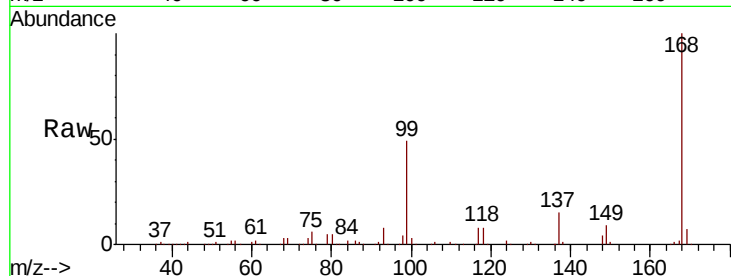
99 49.1 39.9 59.9

Manual Integrations

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10/19/2018 1:51:27 PM



#2

Dichlorodifluoromethane

Concen: 18.933 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005421.D

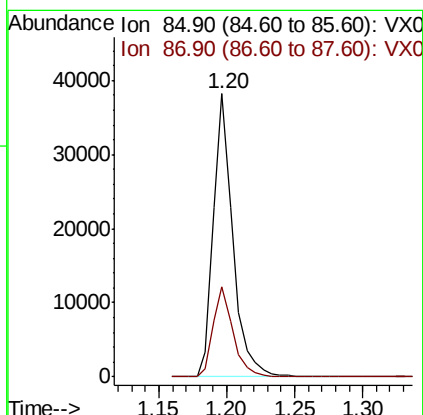
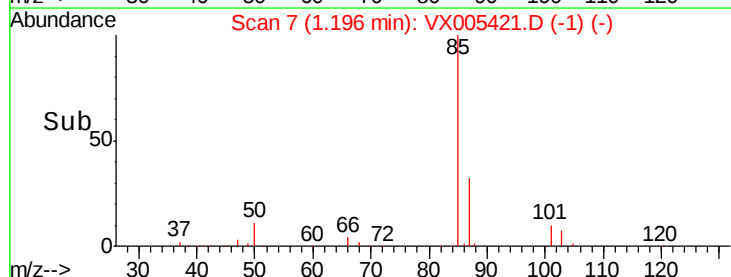
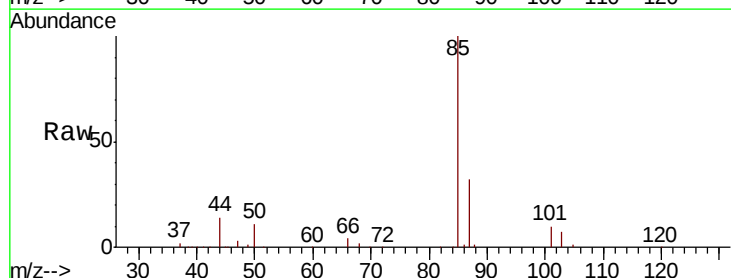
Acq: 18 Oct 2018 11:17

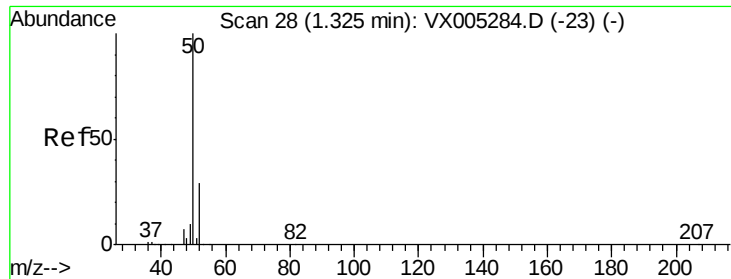
Tgt Ion: 85 Resp: 37858

Ion Ratio Lower Upper

85 100

87 31.8 17.0 50.9





#3

Chloromethane

Concen: 18.469 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005421.D

Acq: 18 Oct 2018 11:17

Instrument :

MSVOA_X

ClientSampleId :

VX1018MBS01

Tot Ion: 50 Resp: 53511

Ion Ratio Lower Upper

50 100

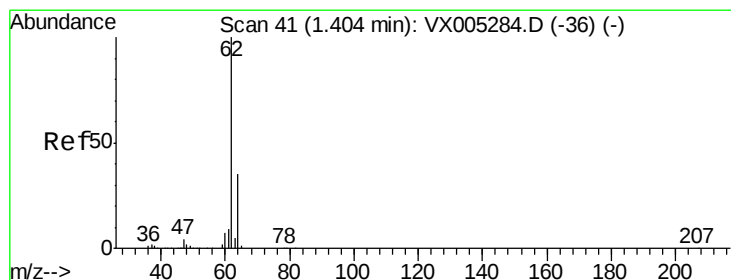
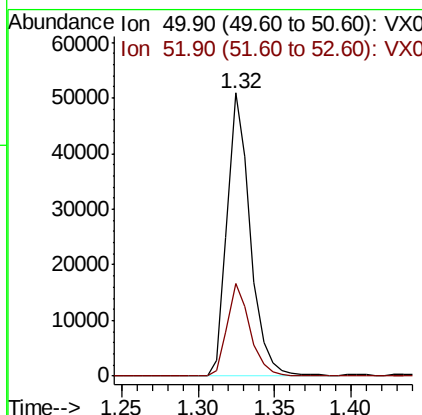
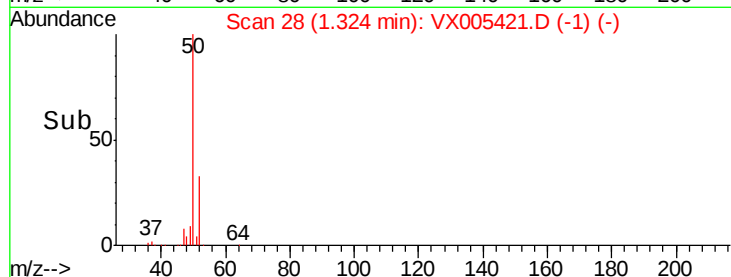
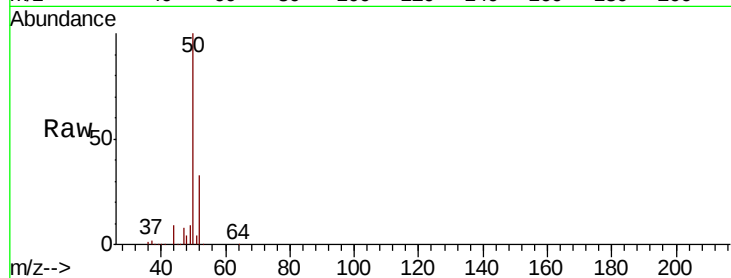
52 32.7 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.801 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX005421.D

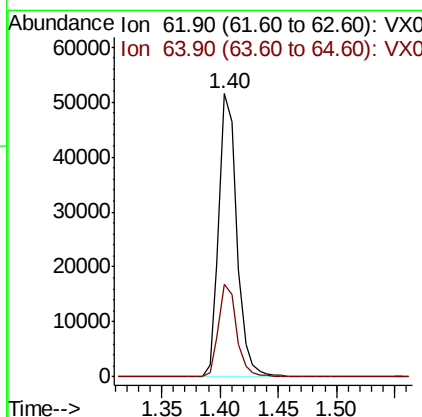
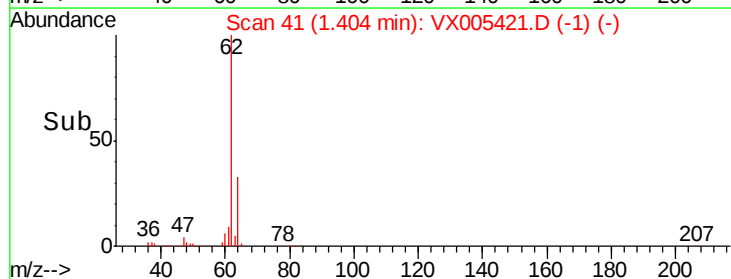
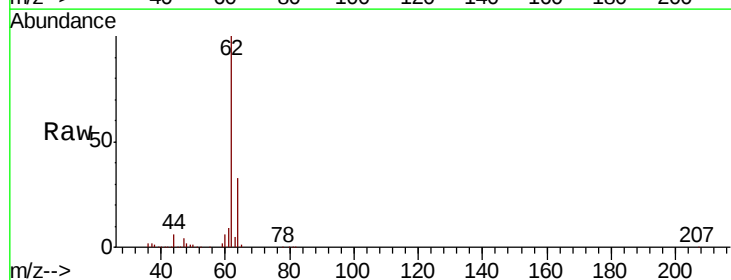
Acq: 18 Oct 2018 11:17

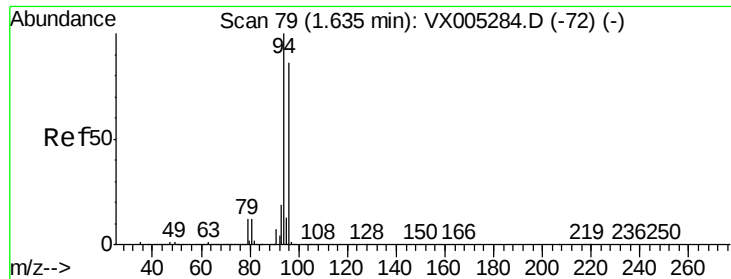
Tgt Ion: 62 Resp: 55182

Ion Ratio Lower Upper

62 100

64 32.5 25.8 38.8





#5

Bromomethane

Concen: 20.257 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005421.D

Acq: 18 Oct 2018 11:17

Instrument :

MSVOA_X

ClientSampleId :

VX1018MBS01

Tot Ion: 94 Resp: 32996

Ion Ratio Lower Upper

94 100

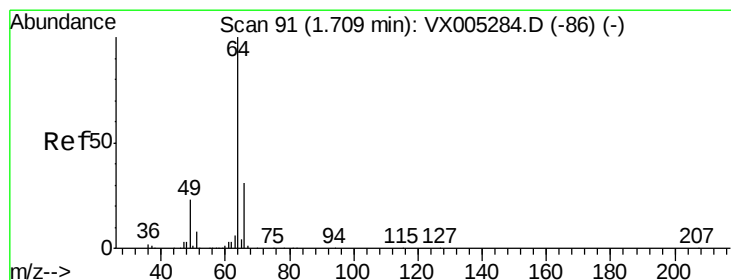
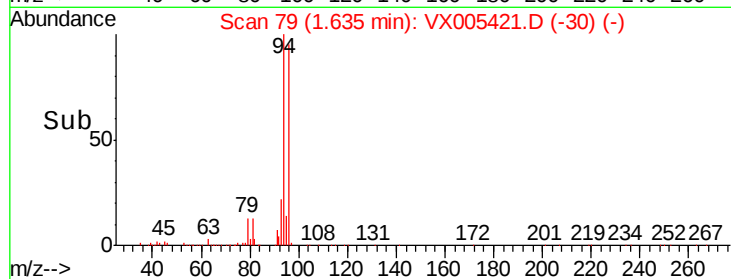
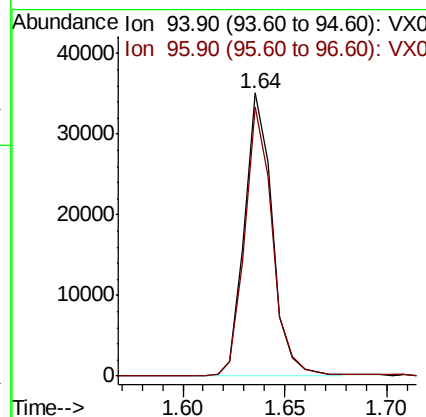
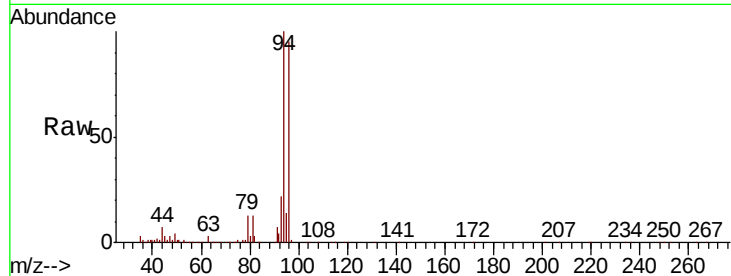
96 95.4 74.5 111.7

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#6

Chloroethane

Concen: 19.522 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005421.D

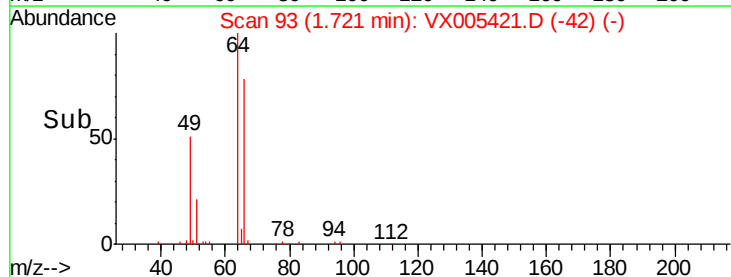
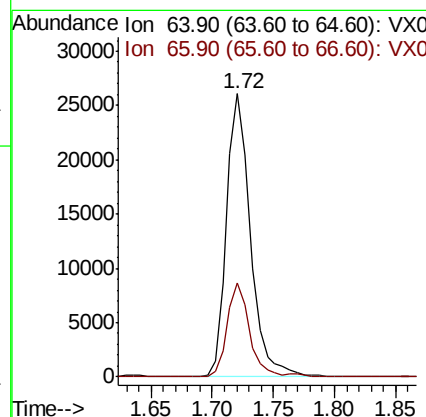
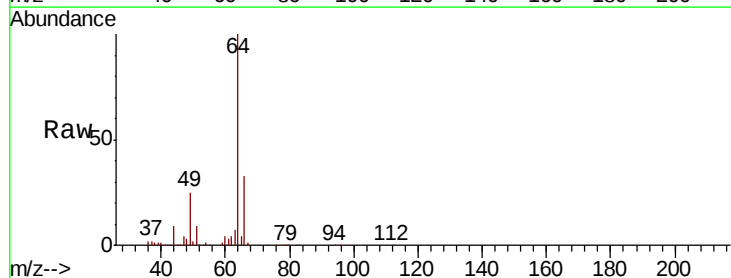
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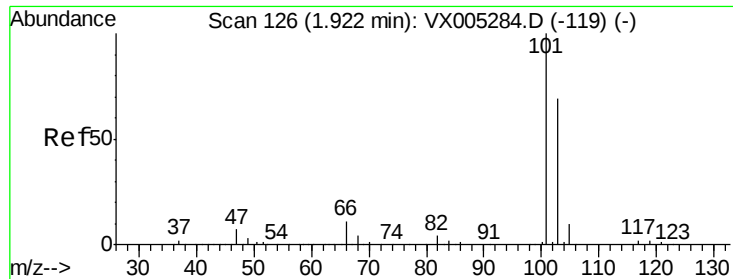
Tgt Ion: 64 Resp: 35565

Ion Ratio Lower Upper

64 100

66 32.8 24.6 36.8





#7

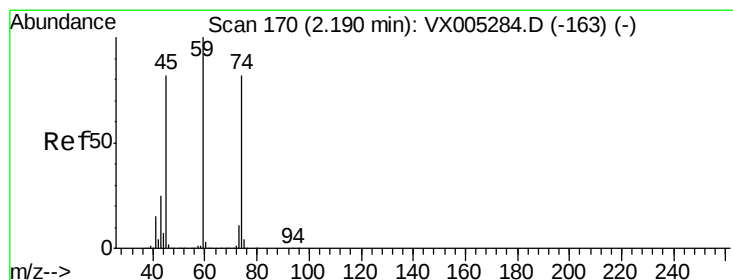
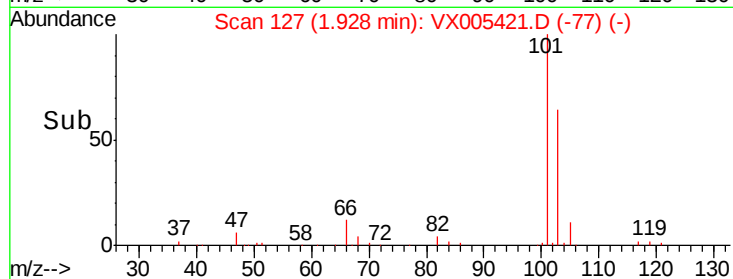
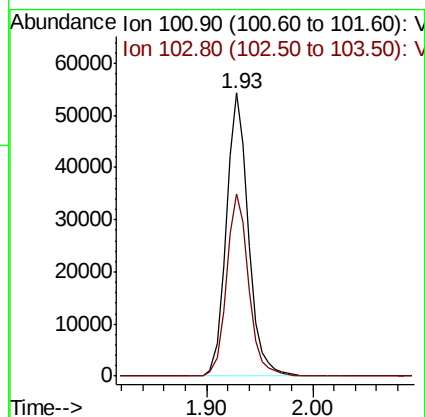
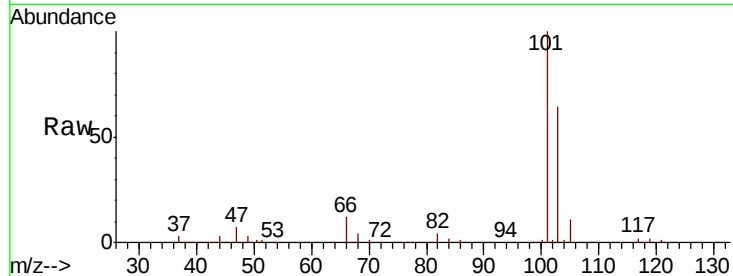
Trichlorofluoromethane
Concen: 20.137 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX005421.D
Acq: 18 Oct 2018 11:17

Instrument :
MSVOA_X
ClientSampleId :
VX1018MBS01

Tot Ion:101 Resp: 78870
Ion Ratio Lower Upper
101 100
103 64.2 48.9 73.3

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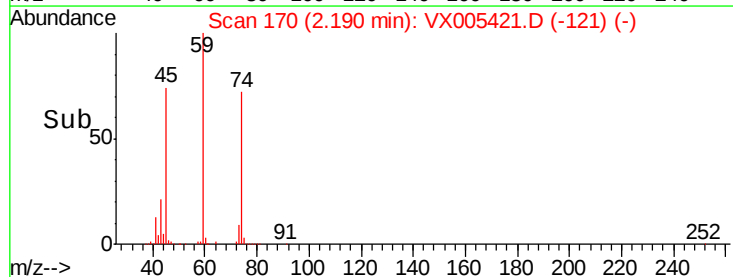
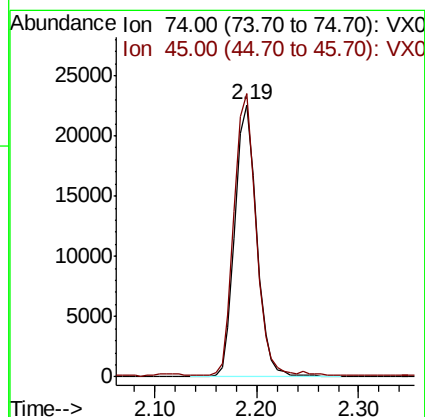
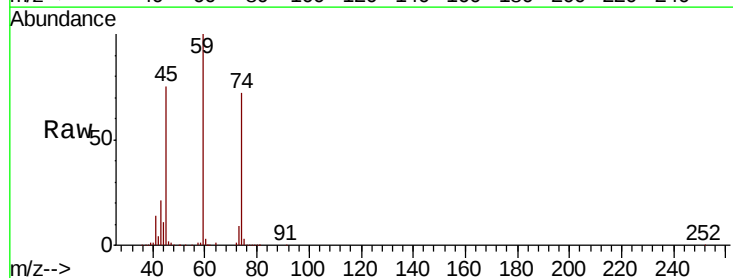
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10/19/2018 1:51:27 PM



#8

Diethyl Ether
Concen: 19.927 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX005421.D
Acq: 18 Oct 2018 11:17

Tgt Ion: 74 Resp: 33329
Ion Ratio Lower Upper
74 100
45 104.1 48.3 144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.582 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX005421.D

Acq: 18 Oct 2018 11:17

Instrument :

MSVOA_X

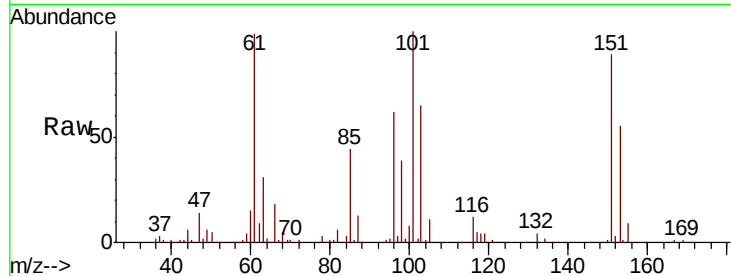
ClientSampleId :

VX1018MBS01

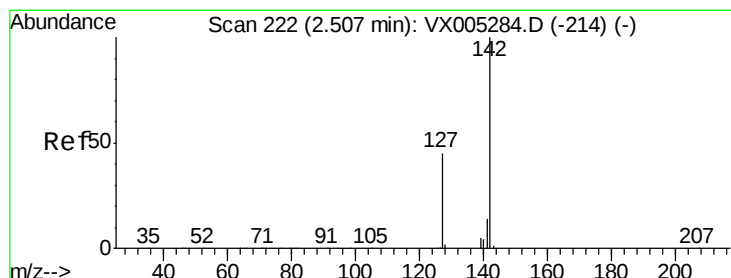
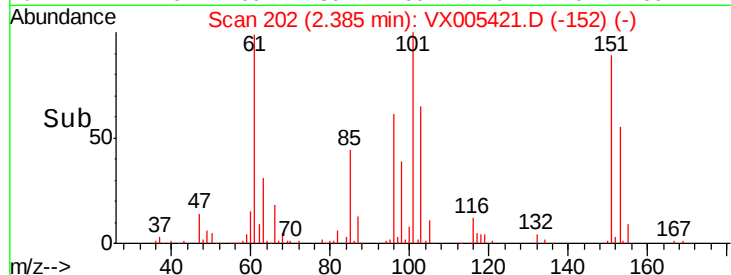
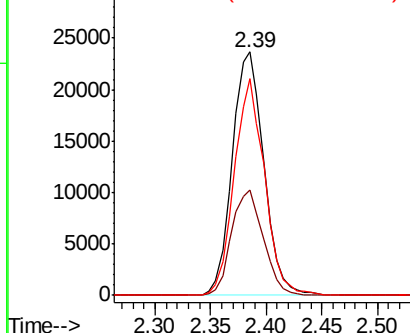
Tot Ion:	101	Resp:	46529
Ion Ratio	Lower	Upper	
101	100		
85	44.0	34.2	51.4
151	85.5	65.0	97.6

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.288 ug/l

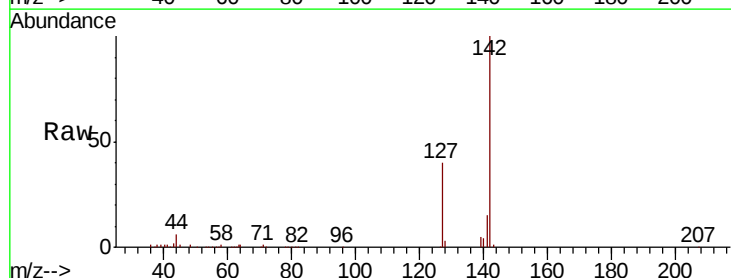
RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

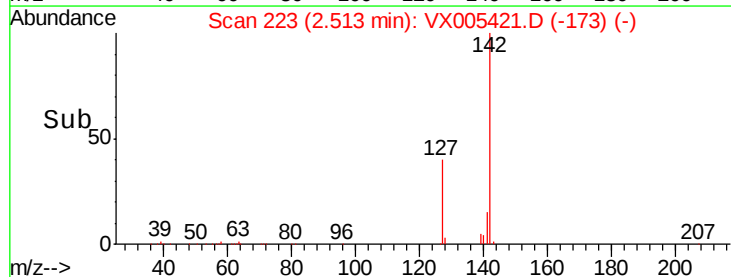
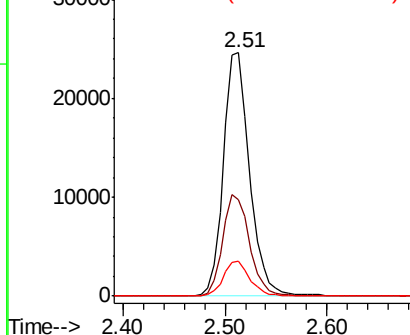
Lab File: VX005421.D

Acq: 18 Oct 2018 11:17

Tgt Ion:	142	Resp:	43823
Ion Ratio	Lower	Upper	
142	100		
127	43.0	33.8	50.6
141	14.4	11.4	17.0



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





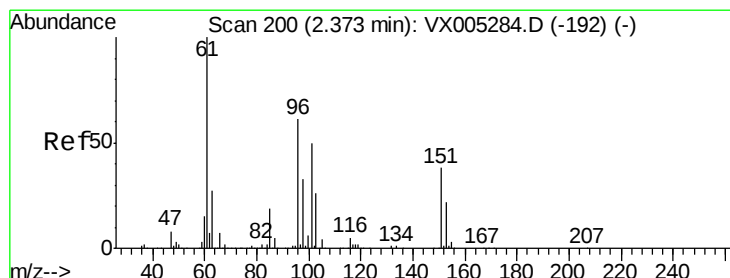
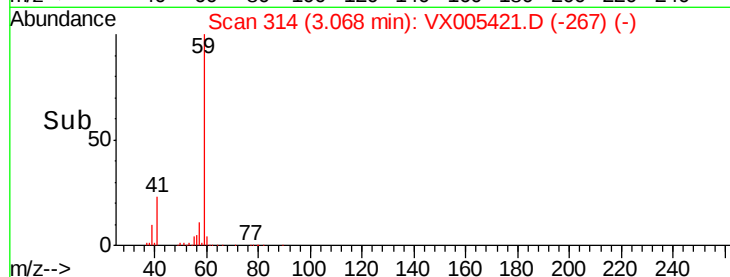
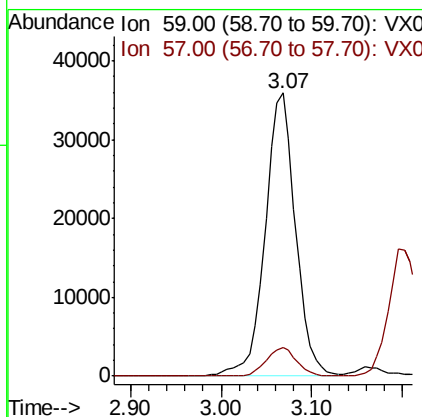
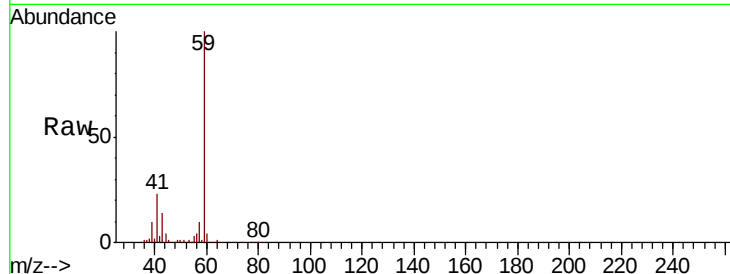
#11
Tert butyl alcohol
Concen: 103.712 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX005421.D
Acq: 18 Oct 2018 11:17

Instrument :
MSVOA_X
ClientSampleId :
VX1018MBS01

Tot Ion: 59 Resp: 83037
Ion Ratio Lower Upper
59 100
57 10.3 8.2 12.4

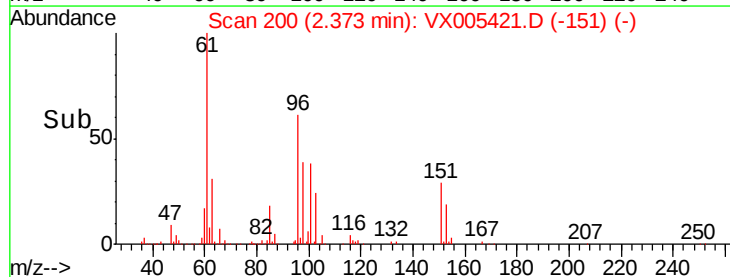
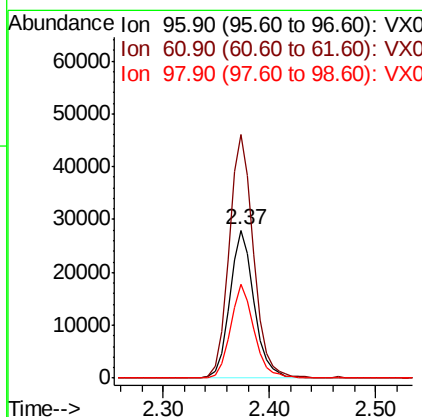
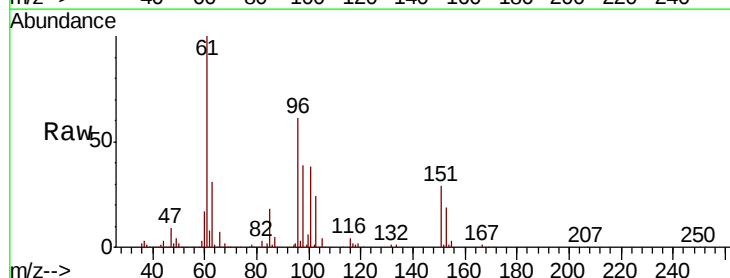
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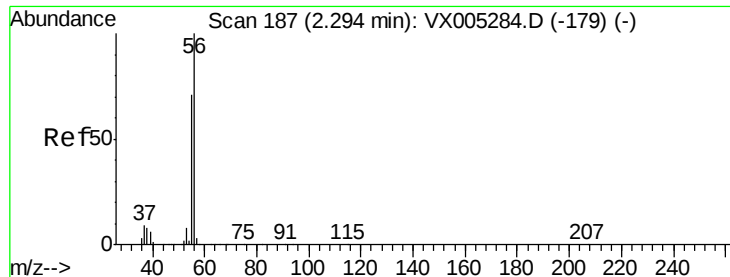
MMDadoda
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#12
1,1-Dichloroethene
Concen: 19.866 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX005421.D
Acq: 18 Oct 2018 11:17

Tgt Ion: 96 Resp: 44498
Ion Ratio Lower Upper
96 100
61 164.3 128.8 193.2
98 63.3 52.2 78.2





#13

Acrolein

Concen: 67.213 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005421.D

Acq: 18 Oct 2018 11:17

Instrument :

MSVOA_X

ClientSampleId :

VX1018MBS01

Tot Ion: 56 Resp: 35148

Ion Ratio Lower Upper

56 100

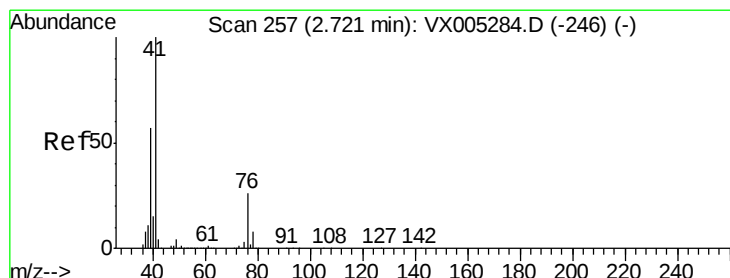
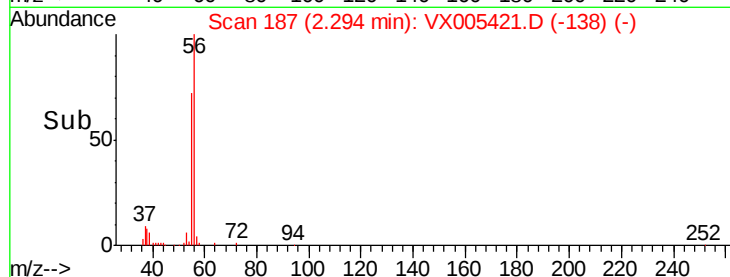
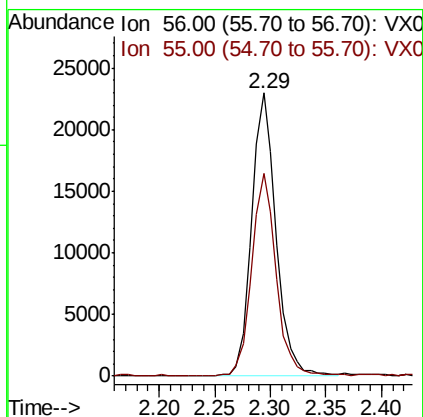
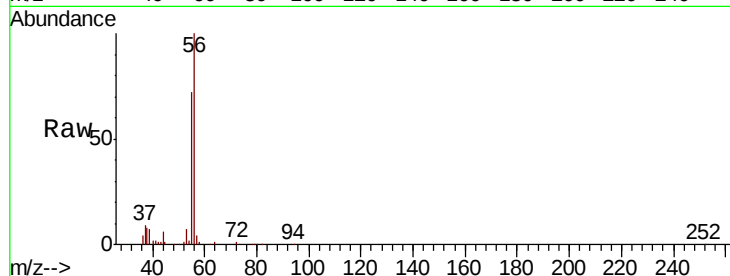
55 72.0 54.7 82.1

Manual Integrations

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#14

Allyl chloride

Concen: 19.722 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX005421.D

Acq: 18 Oct 2018 11:17

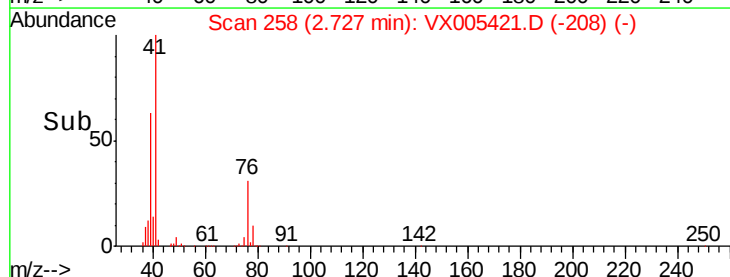
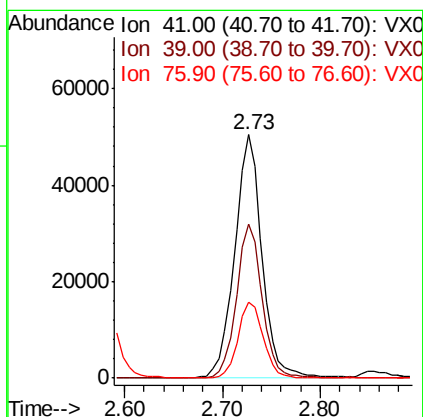
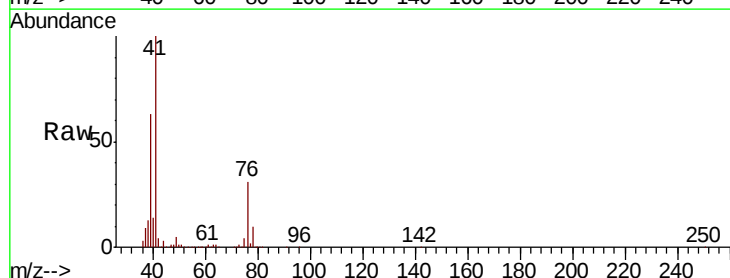
Tgt Ion: 41 Resp: 96984

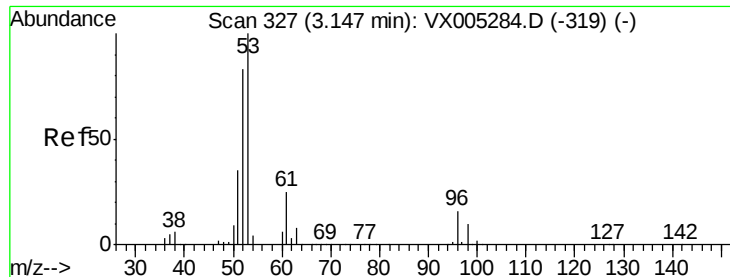
Ion Ratio Lower Upper

41 100

39 59.5 48.9 73.3

76 29.6 26.7 40.1





#15

Acrylonitrile

Concen: 98.151 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX005421.D

Acq: 18 Oct 2018 11:17

Instrument :

MSVOA_X

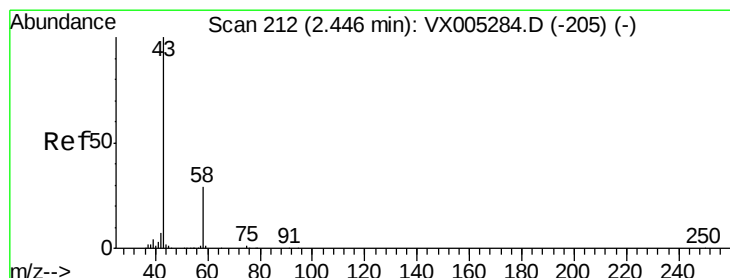
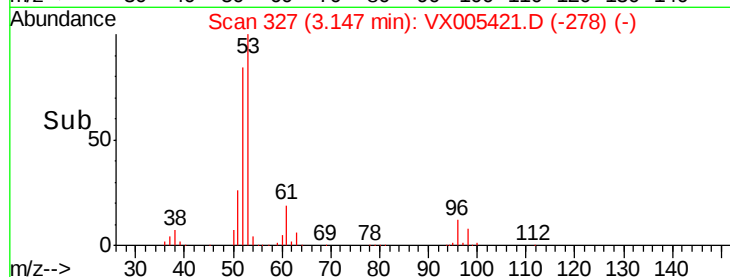
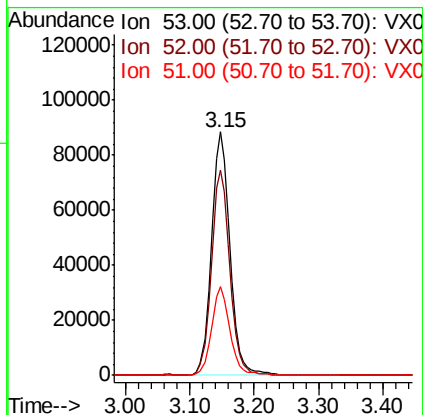
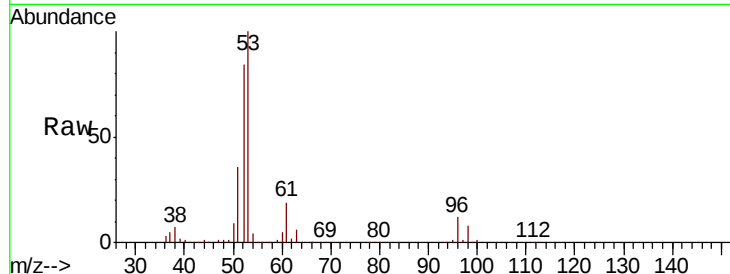
ClientSampleId :

VX1018MBS01

Tot Ion:	53	Resp:	178078
Ion	Ratio	Lower	Upper
53	100		
52	83.7	65.2	97.8
51	35.9	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 102.197 ug/l

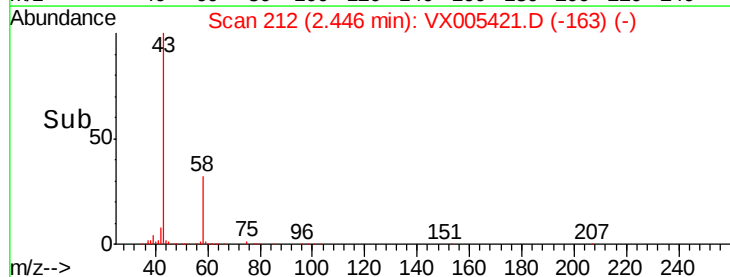
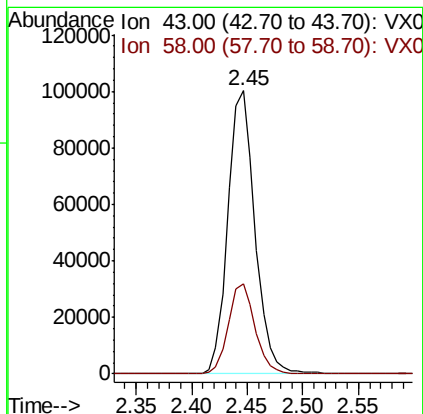
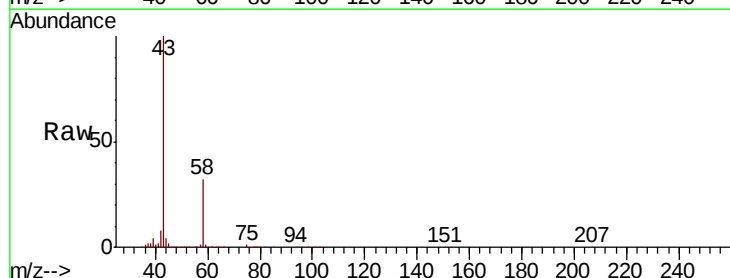
RT: 2.45 min Scan# 212

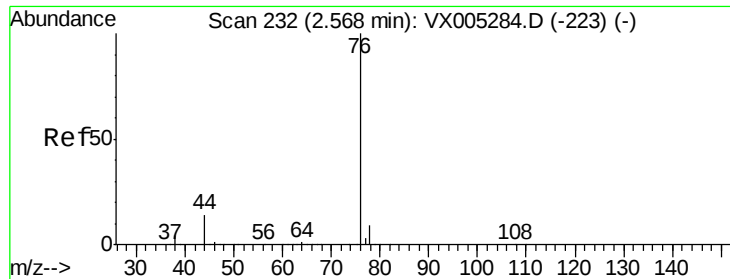
Delta R.T. -0.00 min

Lab File: VX005421.D

Acq: 18 Oct 2018 11:17

Tgt Ion:	43	Resp:	167713
Ion	Ratio	Lower	Upper
43	100		
58	32.0	26.2	39.4





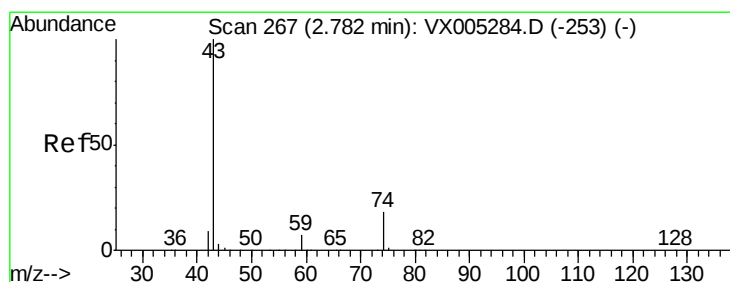
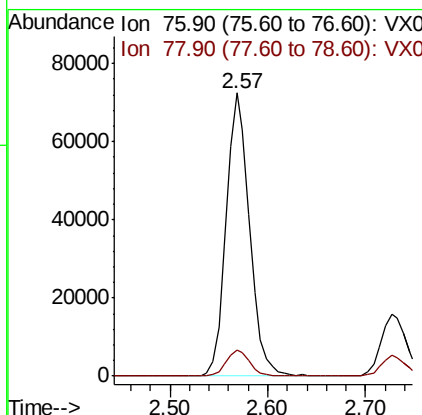
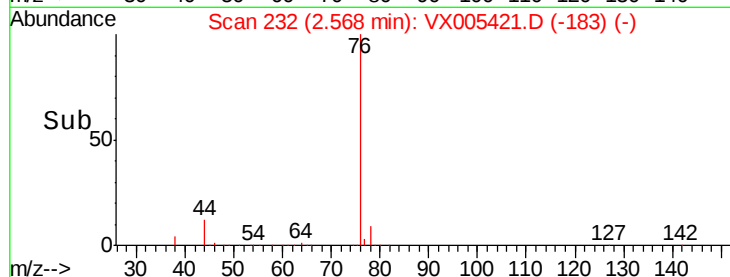
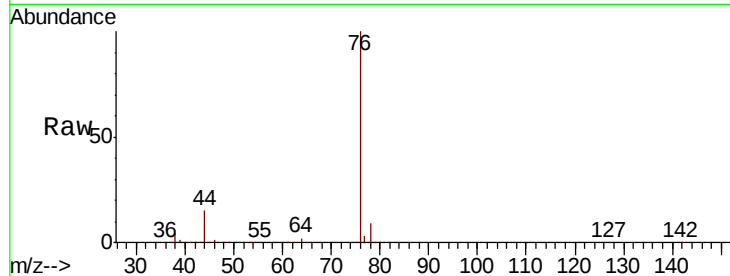
#17
Carbon Disulfide
Concen: 17.663 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX005421.D
Acq: 18 Oct 2018 11:17

Instrument :
MSVOA_X
ClientSampleId :
VX1018MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.0	10.6

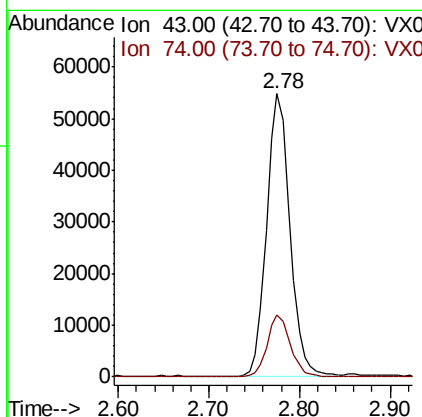
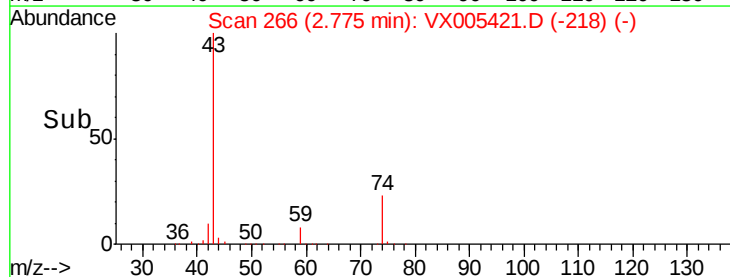
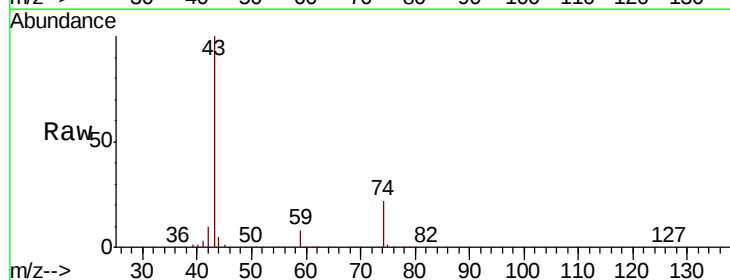
Manual Integrations
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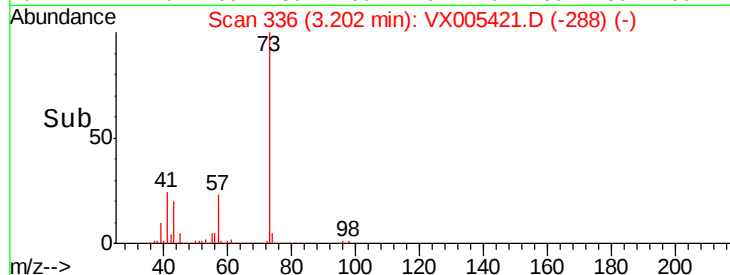
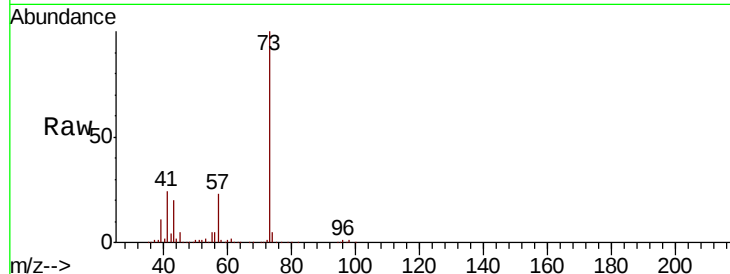
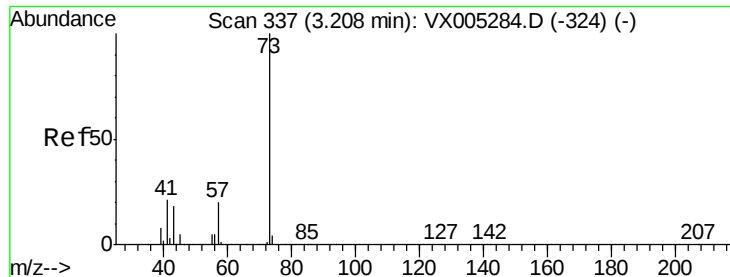
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#18
Methyl Acetate
Concen: 20.877 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005421.D
Acq: 18 Oct 2018 11:17

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.0	19.4	29.2





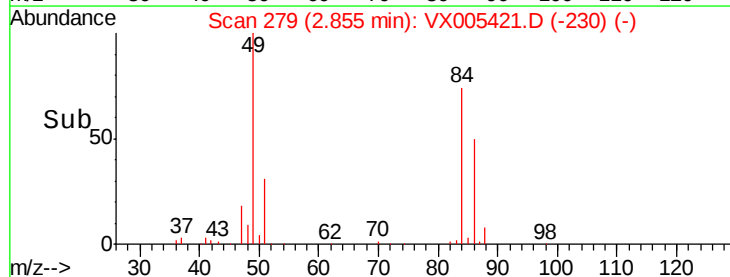
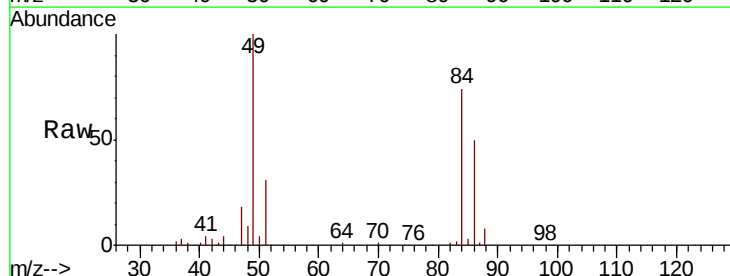
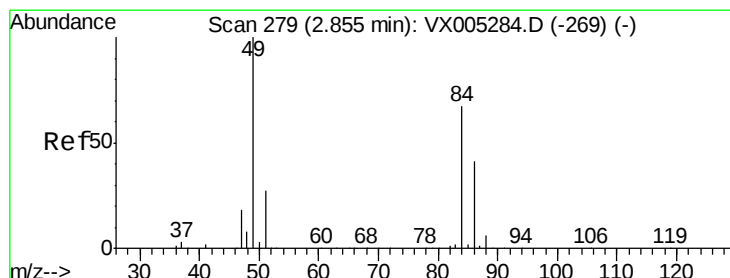
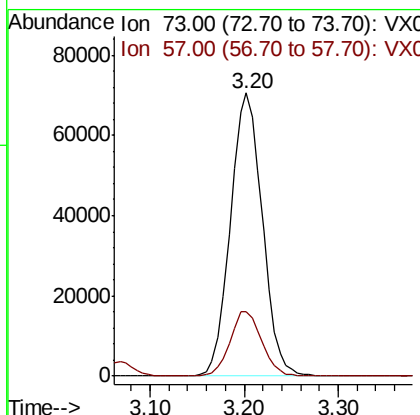
#19
Methvl tert-butvl Ether
Concen: 21.082 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.01 min
Lab File: VX005421.D
Acq: 18 Oct 2018 11:17

Tot Ion: 73 Resp: 166308
Ion Ratio Lower Upper
73 100
57 22.5 17.1 25.7

Instrument :
MSVOA_X
ClientSampleId :
VX1018MBS01

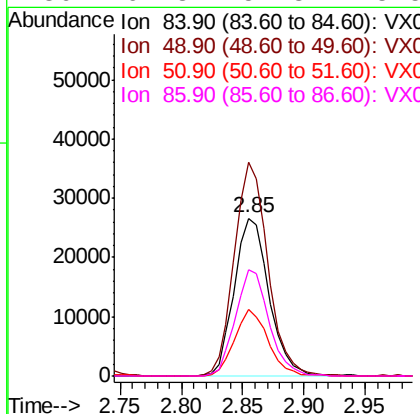
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#20
Methylene Chloride
Concen: 21.168 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX005421.D
Acq: 18 Oct 2018 11:17

Tgt Ion: 84 Resp: 52421
Ion Ratio Lower Upper
84 100
49 135.5 101.2 151.8
51 42.0 29.5 44.3
86 67.3 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 19.292 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX005421.D

Acq: 18 Oct 2018 11:17

Instrument :

MSVOA_X

ClientSampleId :

VX1018MBS01

Tot Ion: 96 Resp: 47888

Ion Ratio Lower Upper

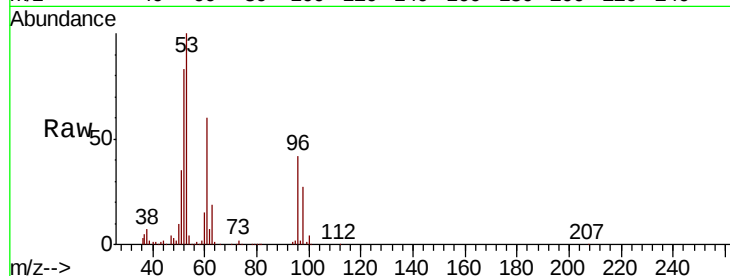
96 100

61 142.4 113.8 170.6

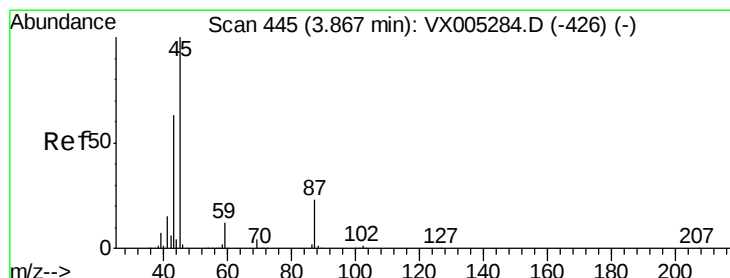
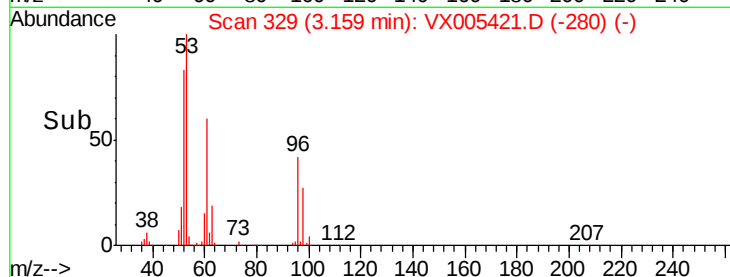
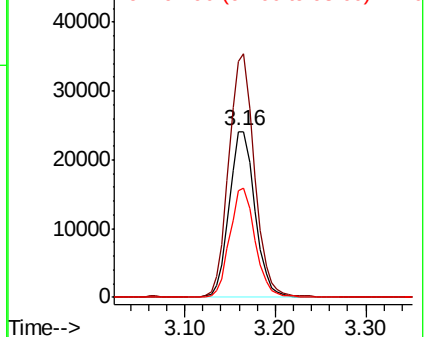
98 64.2 51.8 77.8

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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: 19.196 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.00 min

Lab File: VX005421.D

Acq: 18 Oct 2018 11:17

Tgt Ion: 45 Resp: 158555

Ion Ratio Lower Upper

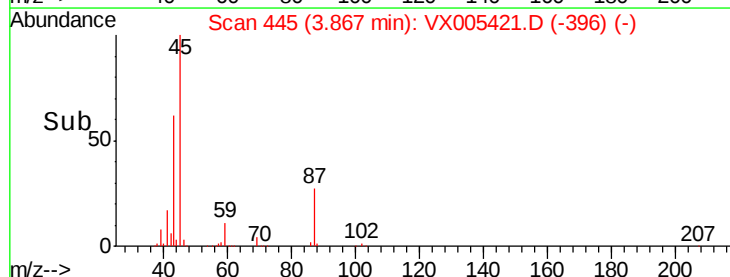
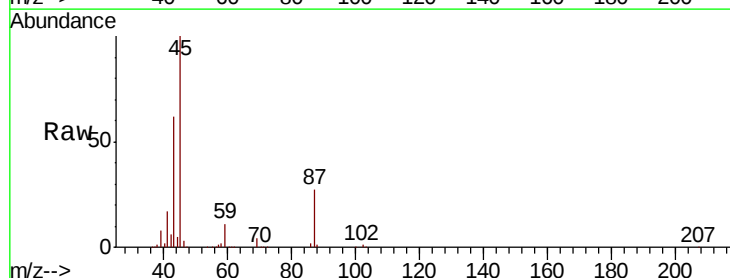
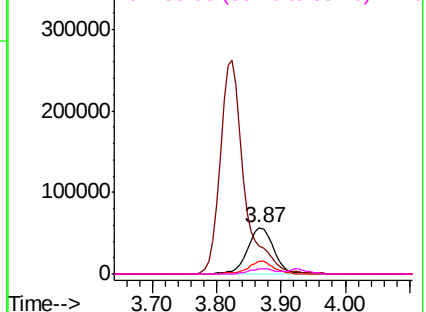
45 100

43 61.9 42.8 64.2

87 26.6 22.6 34.0

59 10.9 9.6 14.4

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: 95.453 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX005421.D

Acq: 18 Oct 2018 11:17

Instrument :

MSVOA_X

ClientSampleId :

VX1018MBS01

Tot Ion: 43 Resp: 689112

Ion Ratio Lower Upper

43 100

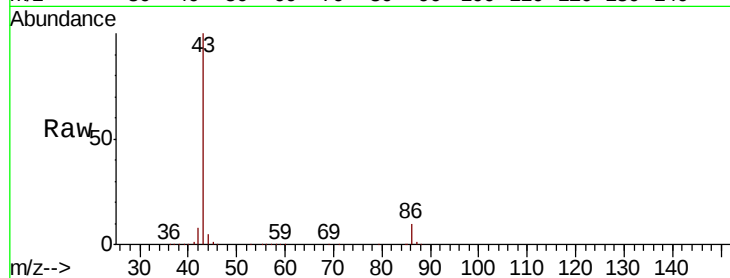
86 10.0 8.9 13.3

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

300000

250000

200000

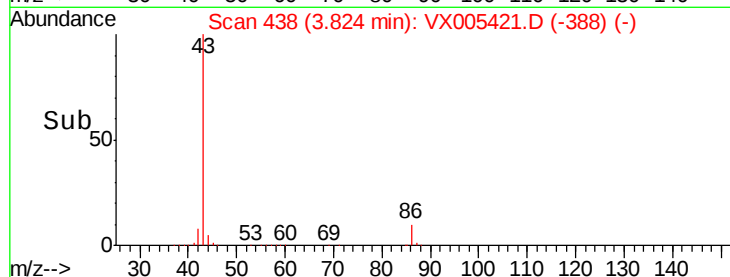
150000

100000

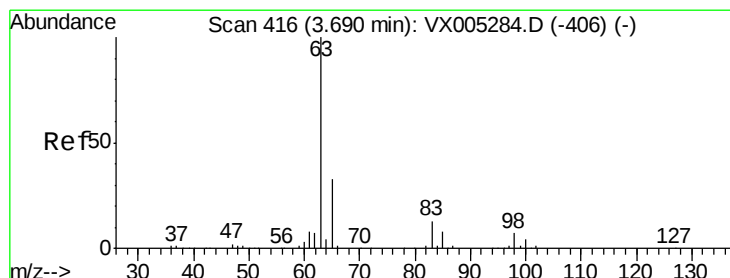
50000

0

Time-->



Time-->



#24

1,1-Dichloroethane

Concen: 20.233 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX005421.D

Acq: 18 Oct 2018 11:17

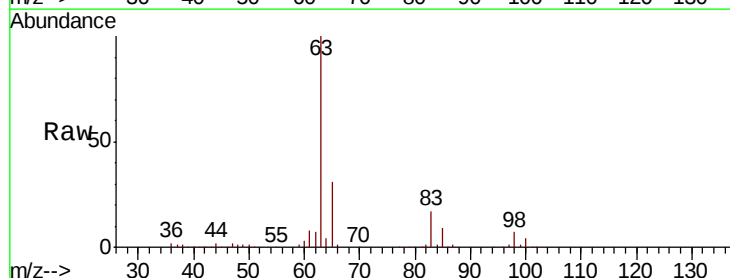
Tgt Ion: 63 Resp: 95778

Ion Ratio Lower Upper

63 100

98 6.6 3.5 10.4

100 4.2 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

50000

40000

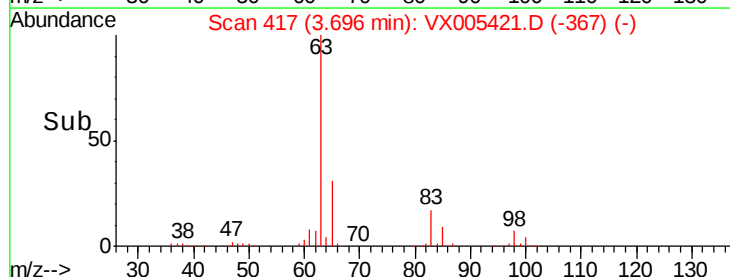
30000

20000

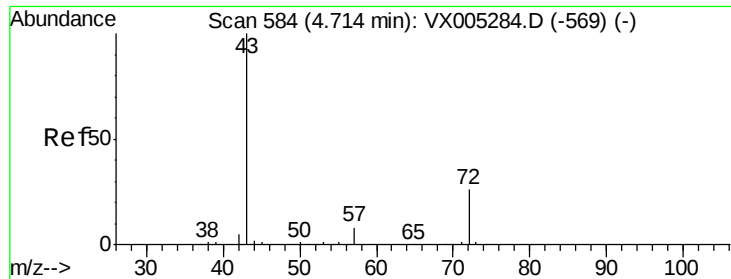
10000

0

Time-->



Time-->



#25

2-Butanone

Concen: 97.095 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX005421.D

Acq: 18 Oct 2018 11:17

Instrument :

MSVOA_X

ClientSampleId :

VX1018MBS01

Tot Ion: 43 Resp: 233135

Ion Ratio Lower Upper

43 100

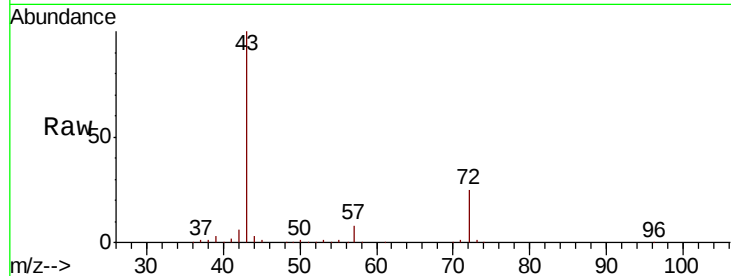
72 25.2 22.0 33.0

Manual Integrations

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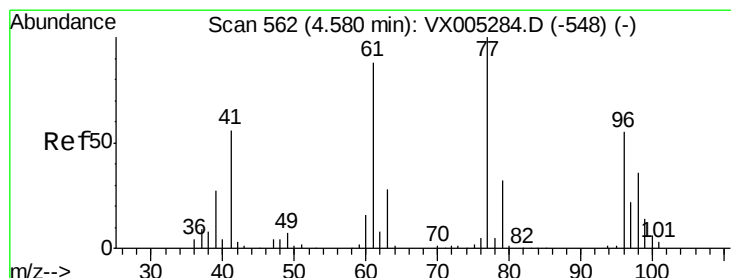
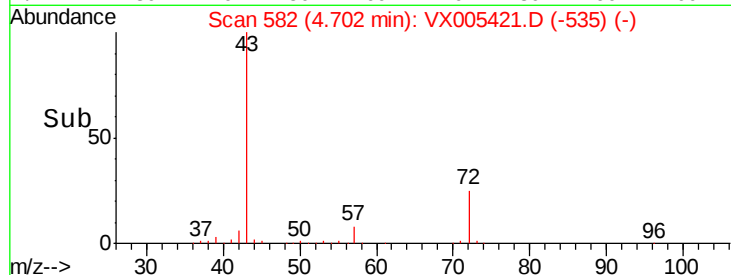
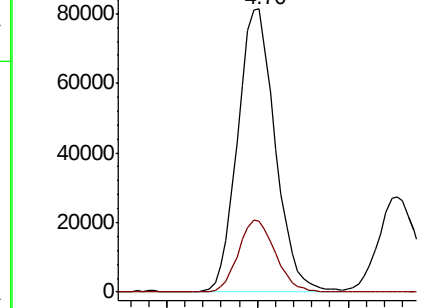
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 19.997 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX005421.D

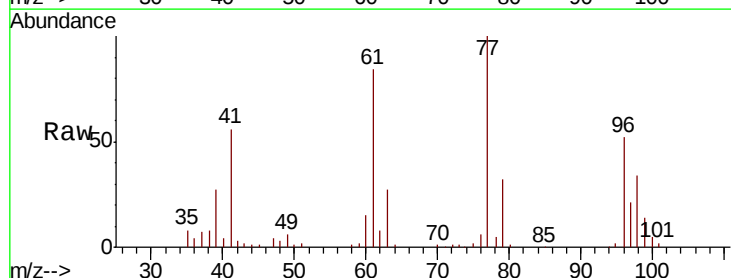
Acq: 18 Oct 2018 11:17

Tgt Ion: 77 Resp: 70797

Ion Ratio Lower Upper

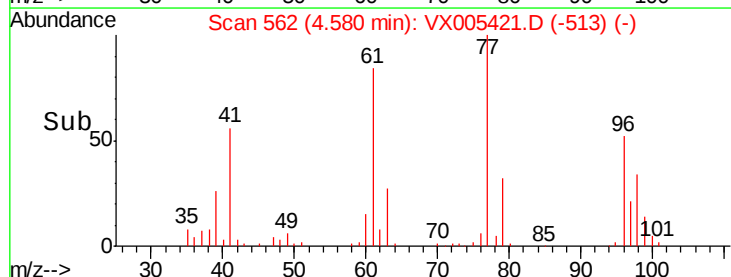
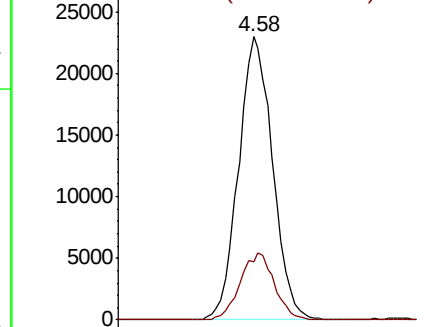
77 100

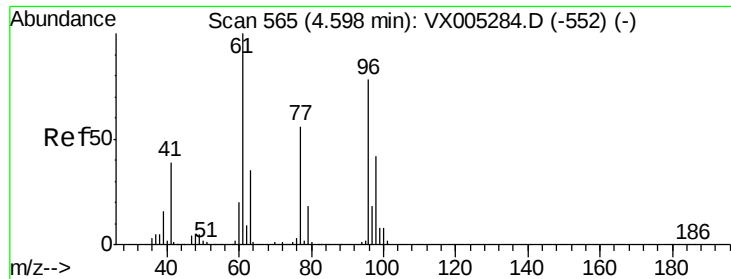
97 23.6 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





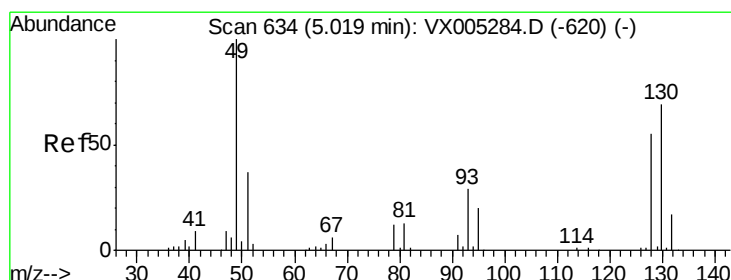
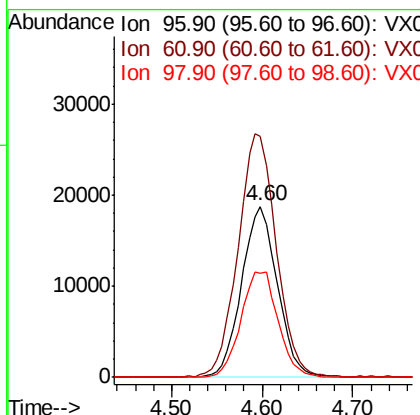
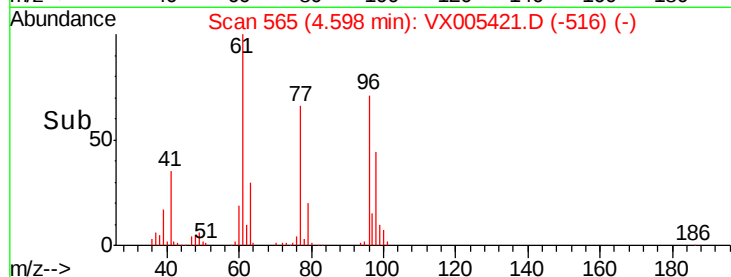
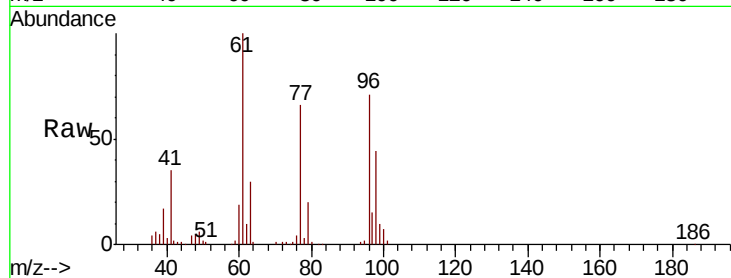
#27
 cis-1,2-Dichloroethene
 Concen: 18.967 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX005421.D
 Acq: 18 Oct 2018 11:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1018MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.6	0.0	282.6
98	64.3	0.0	130.2

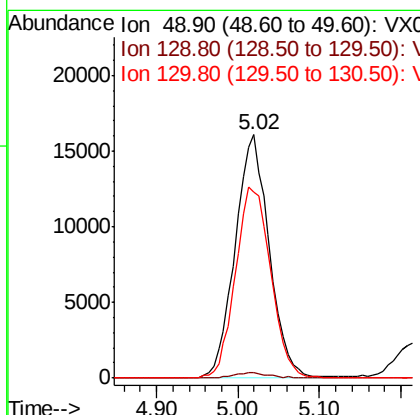
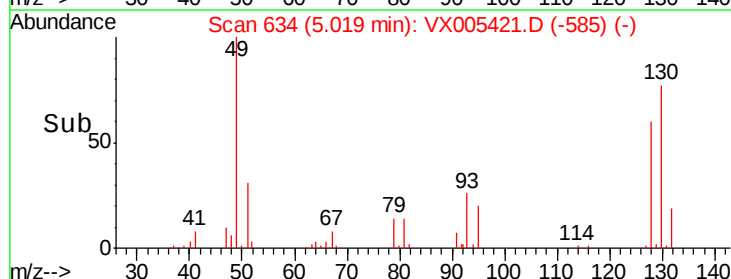
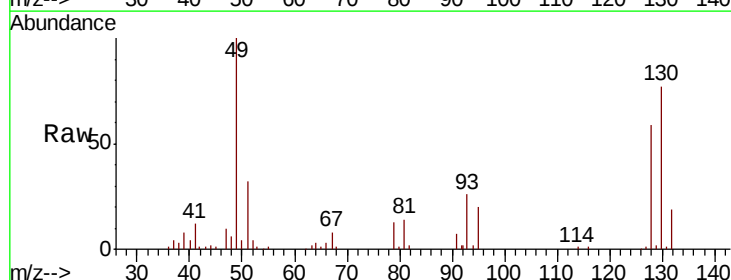
Manual Integrations
 APPROVED

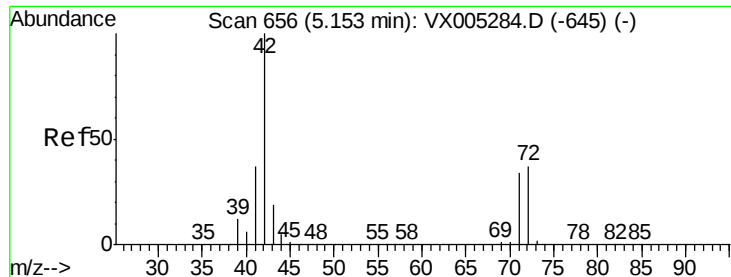
MMDadoda
 10/19/2018 1:51:27 PM



#28
 Bromochloromethane
 Concen: 21.586 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. -0.00 min
 Lab File: VX005421.D
 Acq: 18 Oct 2018 11:17

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.2
130	81.1	67.5	101.3





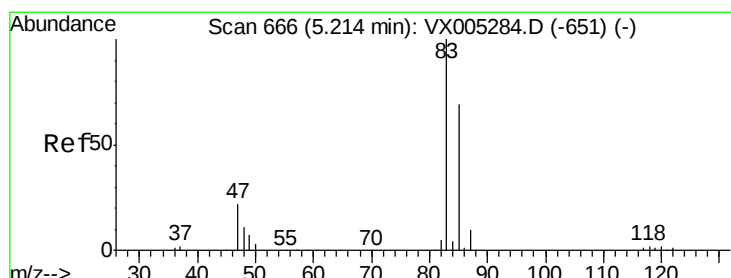
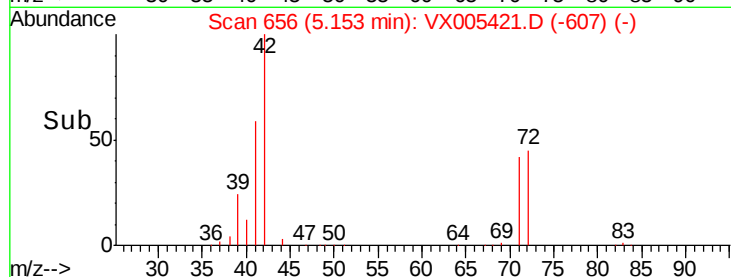
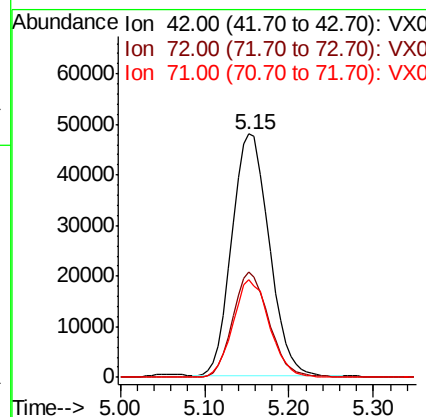
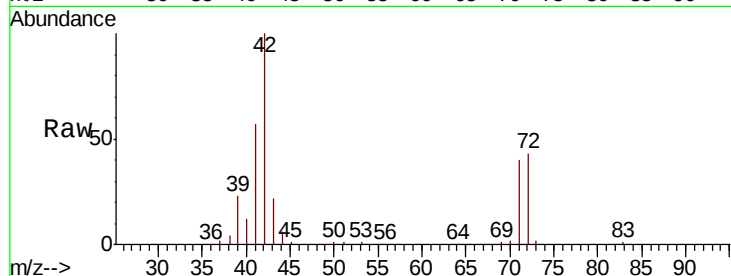
#29
Tetrahydrofuran
Concen: 94.369 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX005421.D
Acq: 18 Oct 2018 11:17

Instrument :
MSVOA_X
ClientSampleId :
VX1018MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.2	37.4	56.0
71	39.3	34.5	51.7

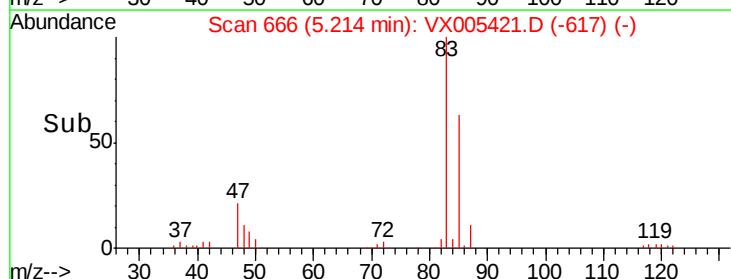
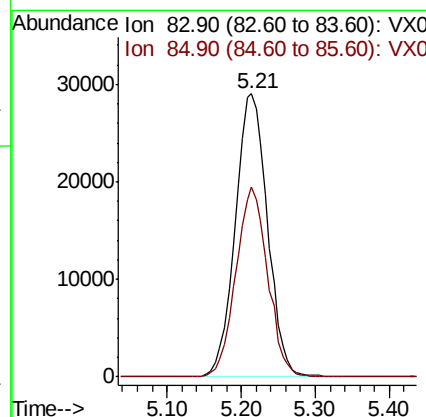
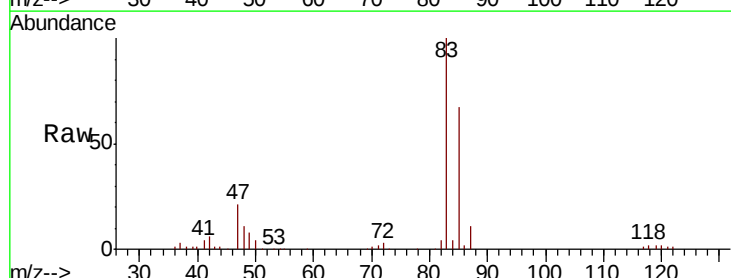
Manual Integrations
APPROVED

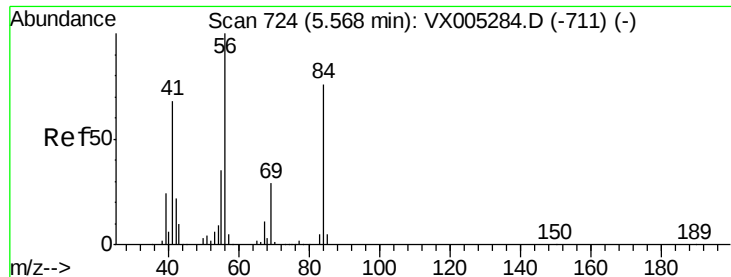
MMDadoda
10/19/2018 1:51:27 PM



#30
Chloroform
Concen: 20.001 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX005421.D
Acq: 18 Oct 2018 11:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.0	52.6	79.0





#31

Cyclohexane

Concen: 18.588 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.01 min

Lab File: VX005421.D

Acq: 18 Oct 2018 11:17

Instrument :

MSVOA_X

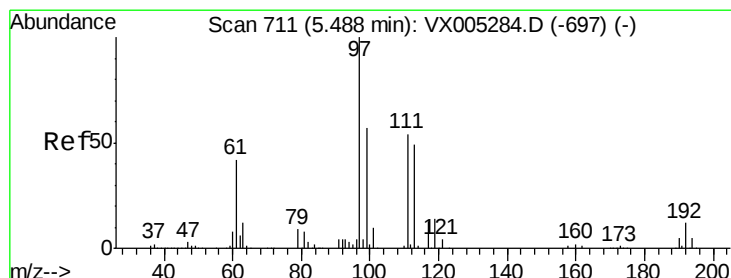
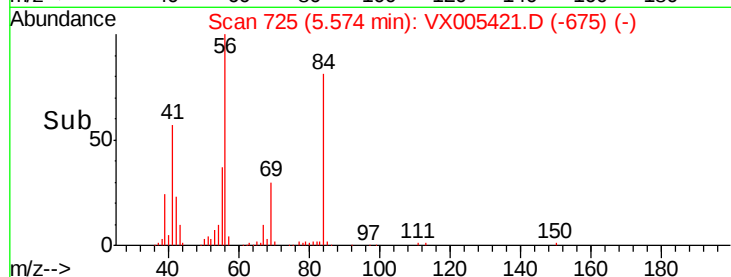
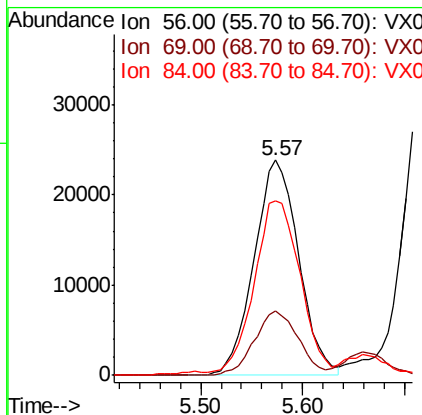
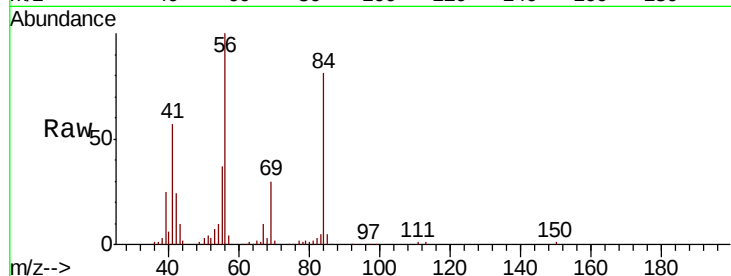
ClientSampleId :

VX1018MBS01

Tot Ion:	56	Resp:	72522
Ion	Ratio	Lower	Upper
56	100		
69	29.9	25.4	38.2
84	79.9	71.4	107.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.867 ug/l

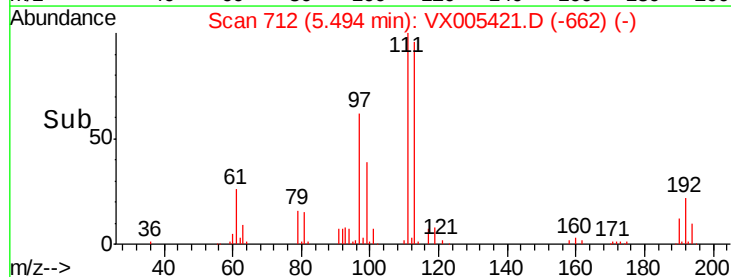
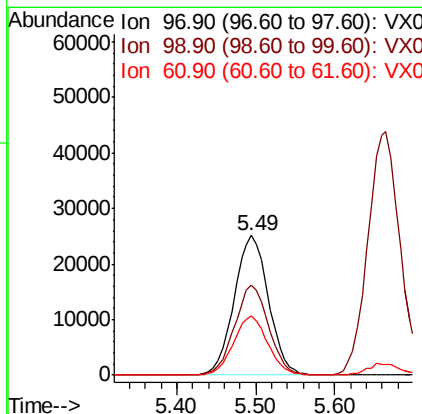
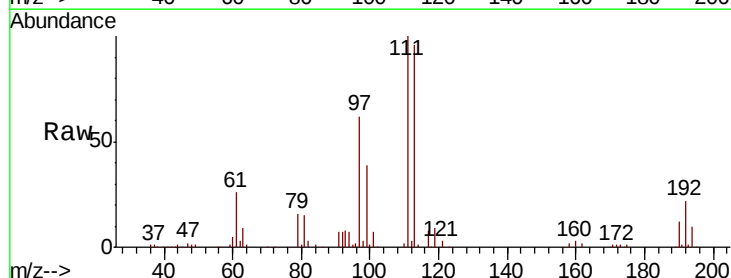
RT: 5.49 min Scan# 712

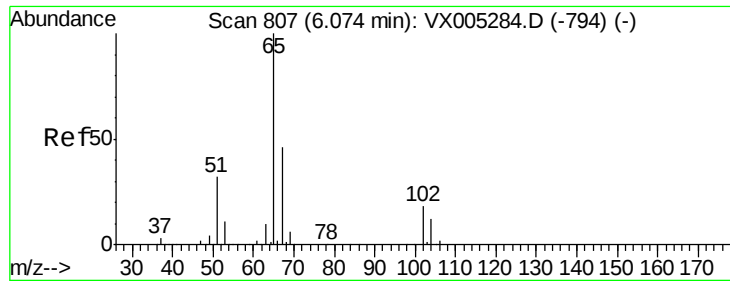
Delta R.T. 0.01 min

Lab File: VX005421.D

Acq: 18 Oct 2018 11:17

Tgt Ion:	97	Resp:	75956
Ion	Ratio	Lower	Upper
97	100		
99	64.0	52.0	78.0
61	42.7	34.9	52.3





#33

1,2-Dichloroethane-d4

Concen: 50.998 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX005421.D

Acq: 18 Oct 2018 11:17

Tot Ion: 65 Resp: 144750

Ion Ratio Lower Upper

65 100

67 52.8 0.0 106.8

Instrument :

MSVOA_X

ClientSampleId :

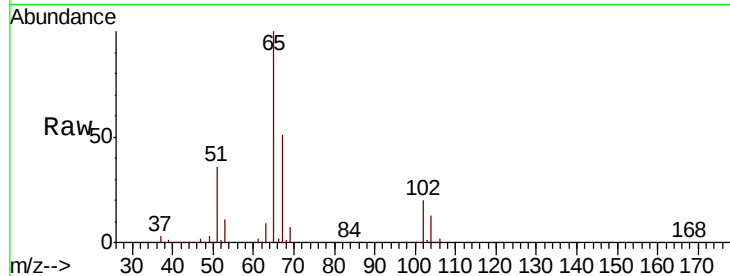
VX1018MBS01

Manual Integrations

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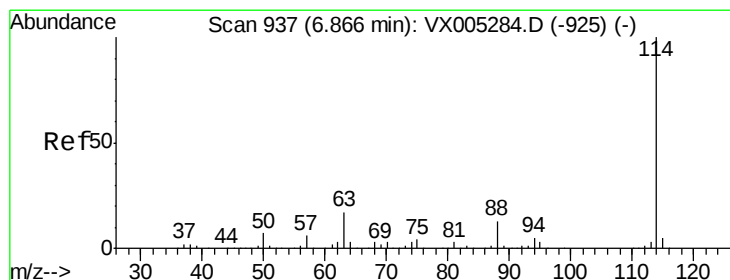
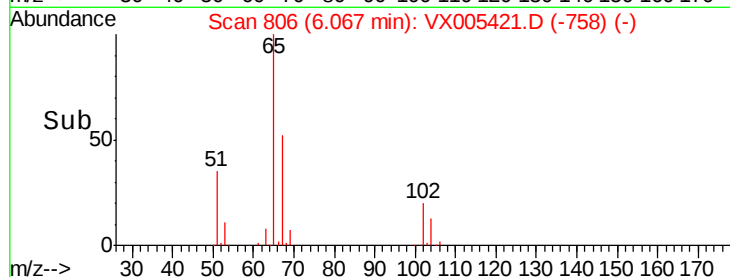
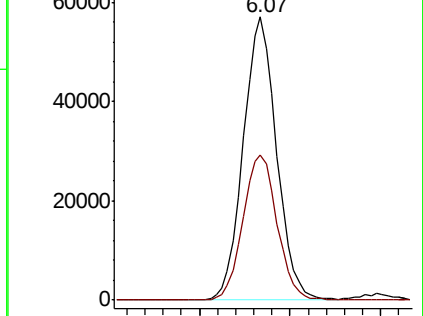
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Abundance Ion 64.90 (64.60 to 65.60): VX0

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. -0.01 min

Lab File: VX005421.D

Acq: 18 Oct 2018 11:17

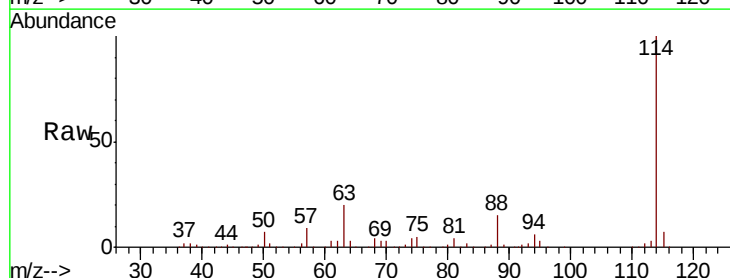
Tgt Ion: 114 Resp: 366302

Ion Ratio Lower Upper

114 100

63 20.4 0.0 39.0

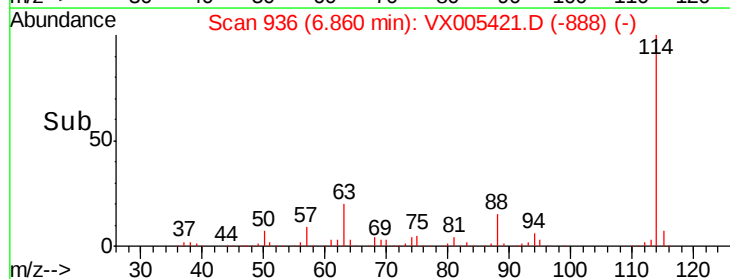
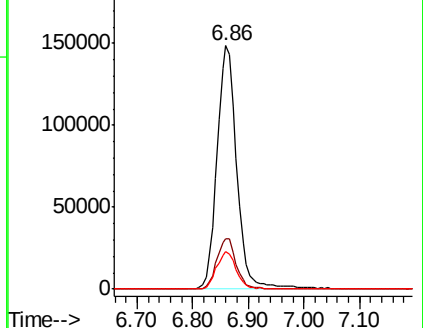
88 15.5 0.0 30.4

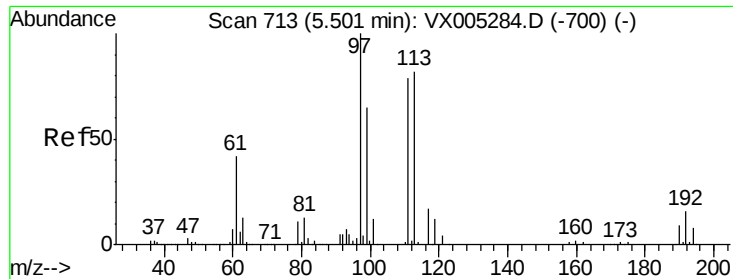


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.080 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX005421.D

Acq: 18 Oct 2018 11:17

Instrument :

MSVOA_X

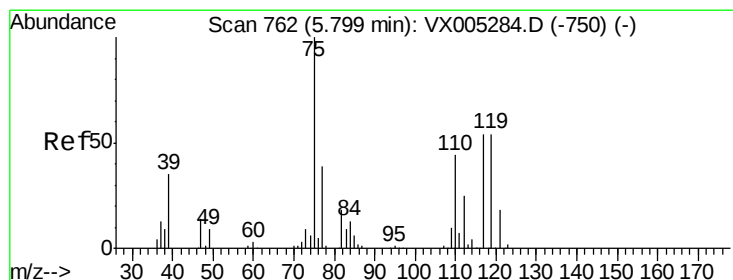
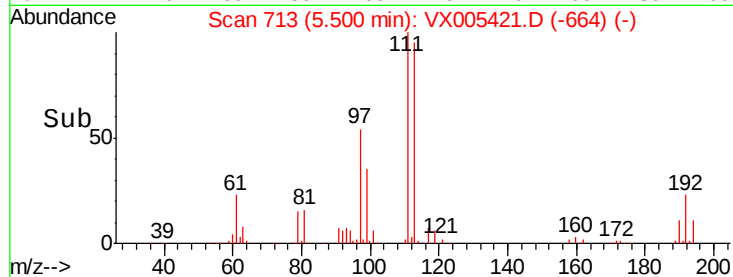
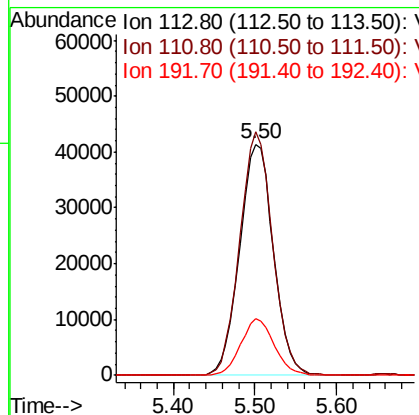
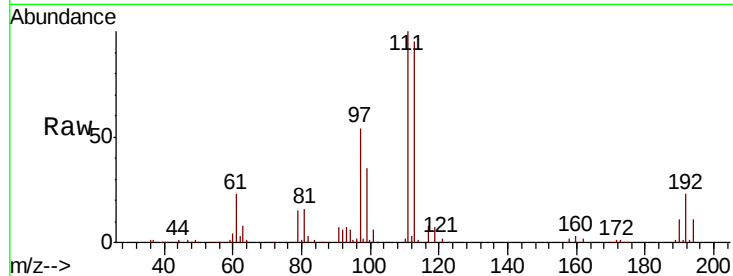
ClientSampleId :

VX1018MBS01

Tot Ion:	113	Resp:	119073
Ion Ratio	Lower	Upper	
113	100		
111	102.6	82.4	123.6
192	24.2	19.4	29.2

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#36

1,1-Dichloropropene

Concen: 17.586 ug/l

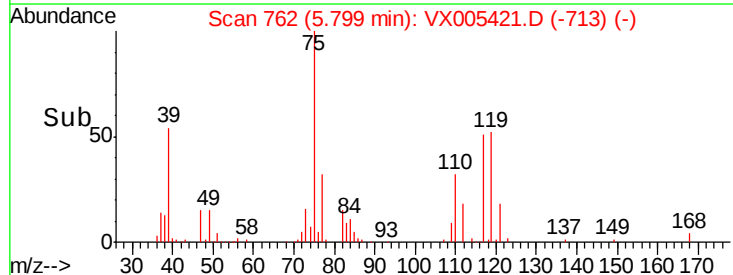
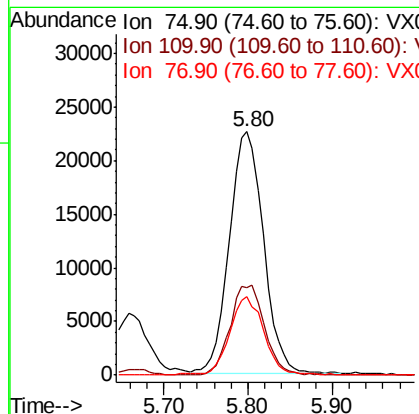
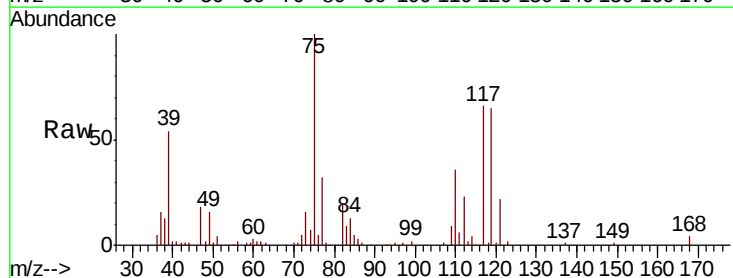
RT: 5.80 min Scan# 762

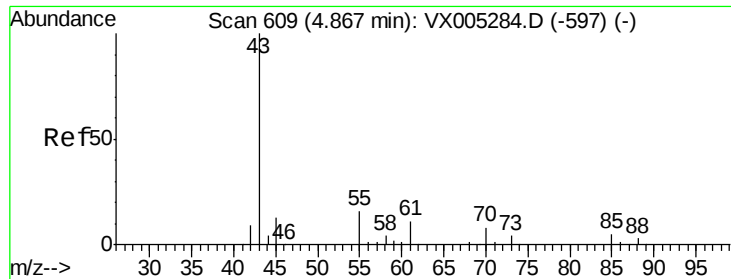
Delta R.T. -0.00 min

Lab File: VX005421.D

Acq: 18 Oct 2018 11:17

Tgt Ion:	75	Resp:	62387
Ion Ratio	Lower	Upper	
75	100		
110	37.5	18.0	54.0
77	31.1	24.6	36.8





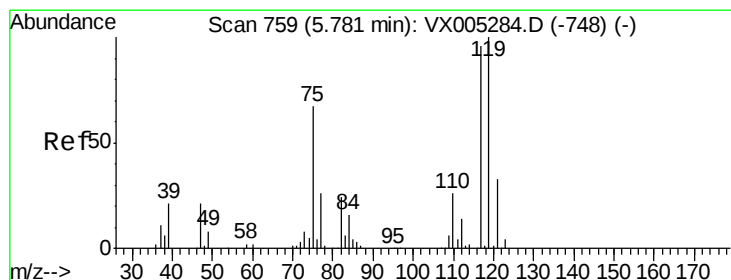
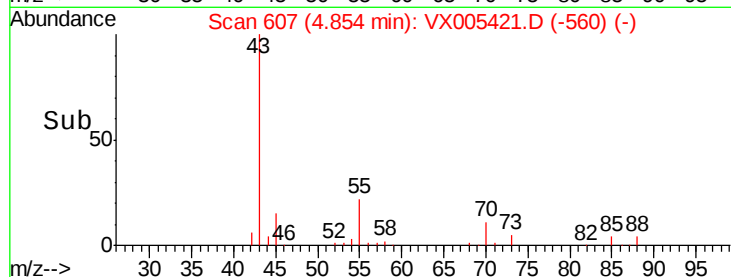
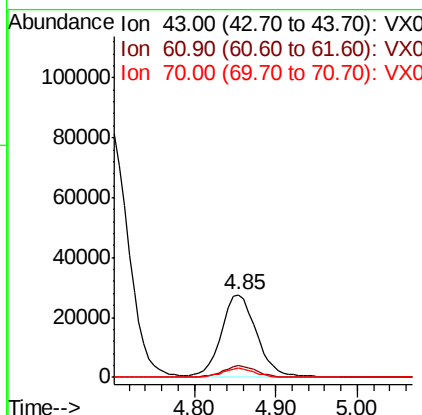
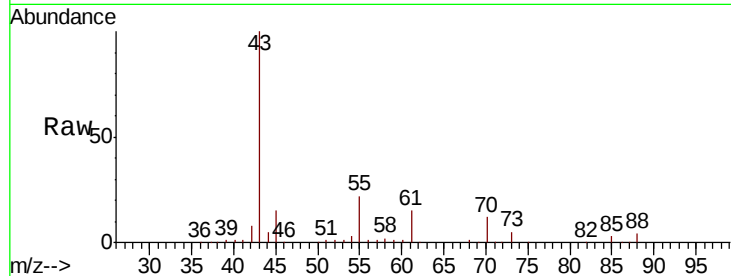
#37
Ethyl Acetate
Concen: 17.877 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.01 min
Lab File: VX005421.D
Acq: 18 Oct 2018 11:17

Instrument :
MSVOA_X
ClientSampleId :
VX1018MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.5	17.3
70	10.3	9.0	13.6

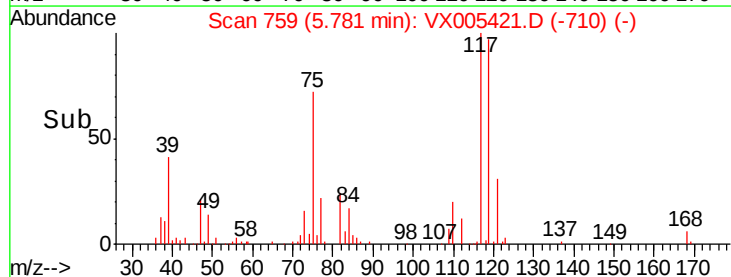
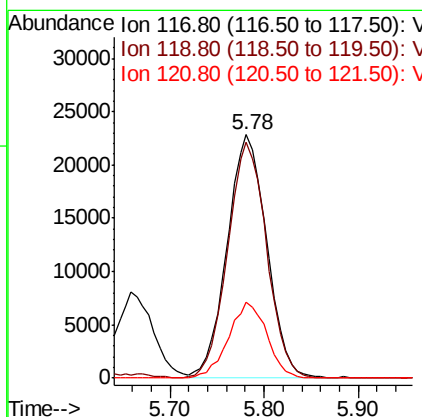
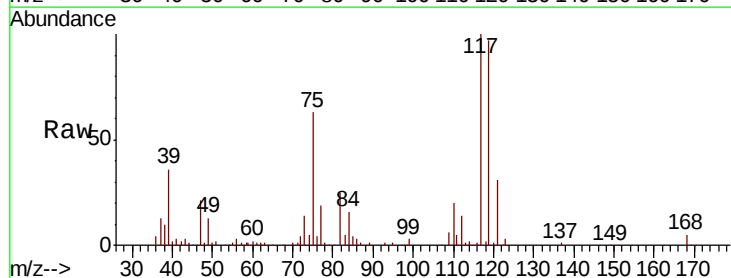
Manual Integrations
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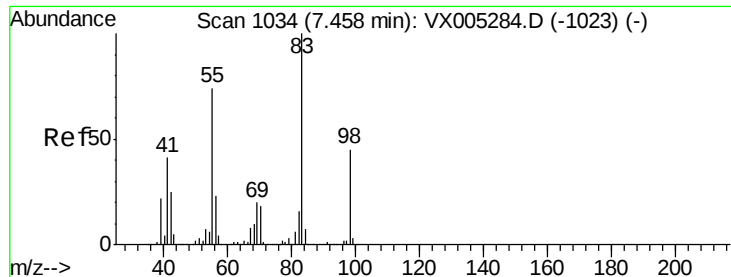
MMDadoda
10/19/2018 1:51:27 PM



#38
Carbon Tetrachloride
Concen: 18.667 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX005421.D
Acq: 18 Oct 2018 11:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.1	78.8	118.2
121	31.0	24.9	37.3





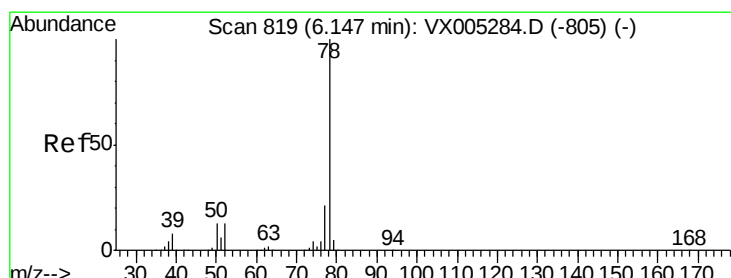
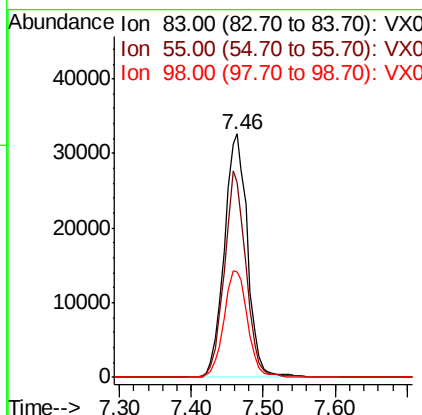
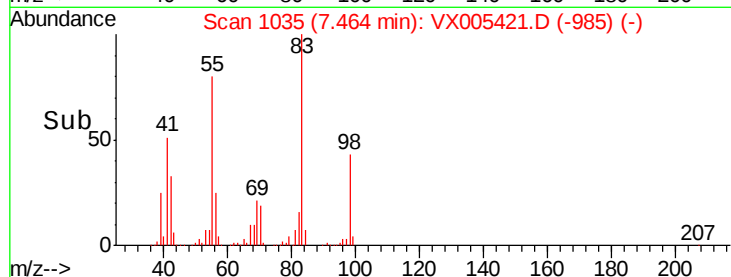
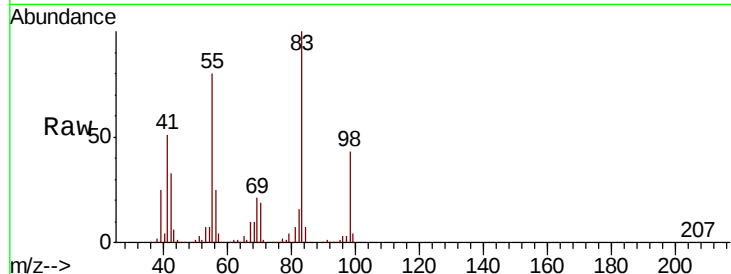
#39
Methvlcvclohexane
Concen: 19.066 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX005421.D
Acq: 18 Oct 2018 11:17

Instrument :
MSVOA_X
ClientSampleId :
VX1018MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.8	61.0	91.4
98	43.3	39.6	59.4

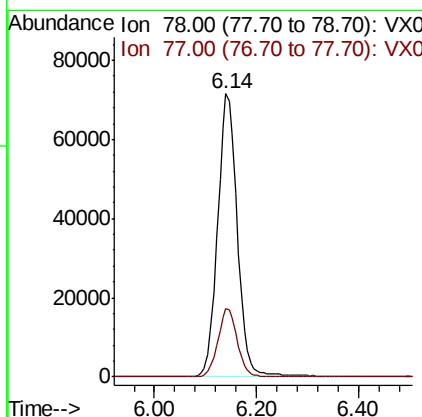
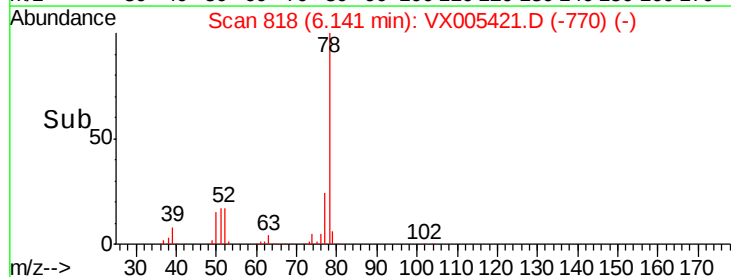
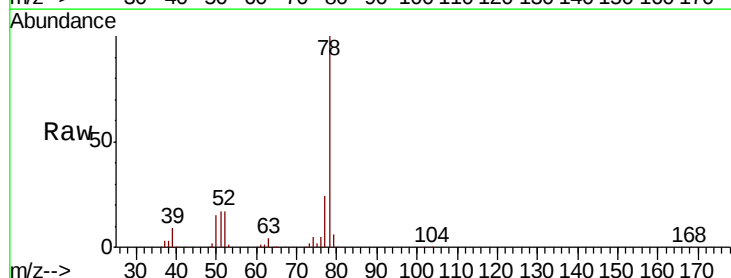
Manual Integrations
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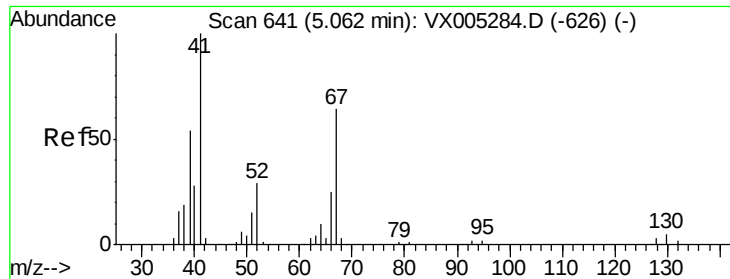
MMDadoda
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#40
Benzene
Concen: 18.084 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX005421.D
Acq: 18 Oct 2018 11:17

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.4





#41

Methacrylonitrile

Concen: 18.834 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.01 min

Lab File: VX005421.D

Acq: 18 Oct 2018 11:17

Instrument :

MSVOA_X

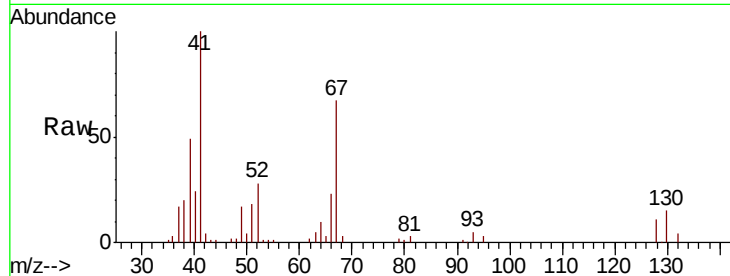
ClientSampleId :

VX1018MBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.5	42.4	63.6	
67	67.7	59.2	88.8	
52	29.3	23.0	34.4	

Manual Integrations
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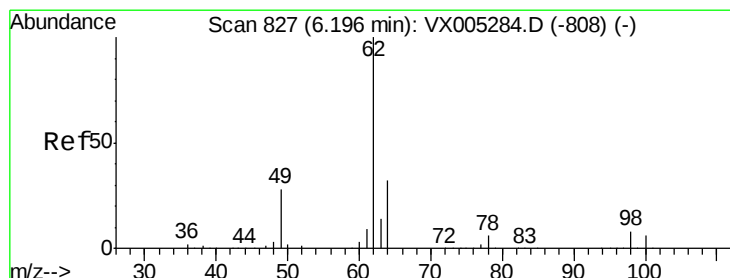
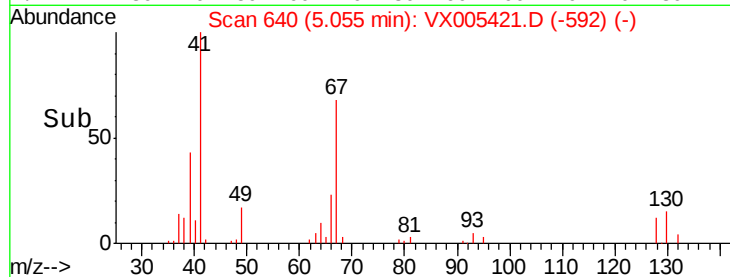
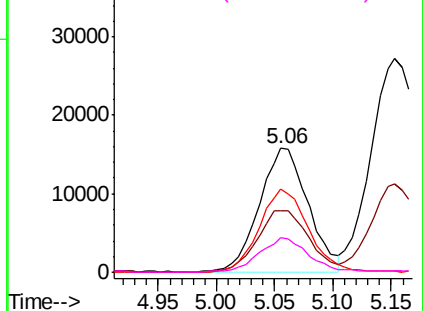
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 18.646 ug/l

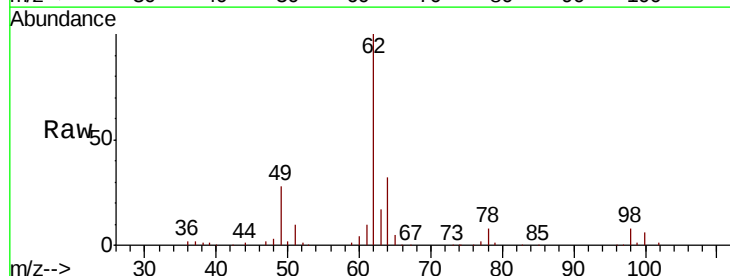
RT: 6.20 min Scan# 827

Delta R.T. -0.00 min

Lab File: VX005421.D

Acq: 18 Oct 2018 11:17

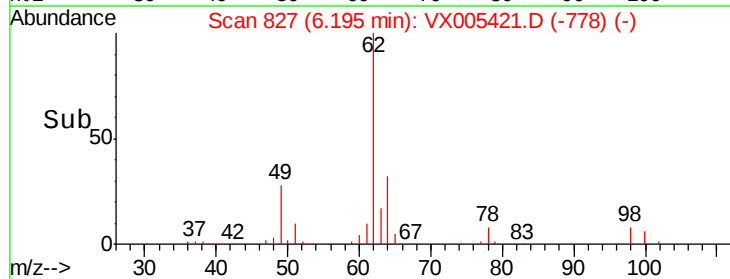
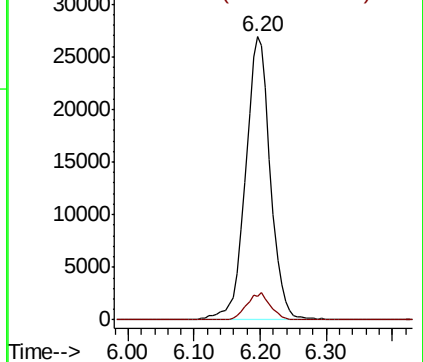
Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.1	0.0	20.6	

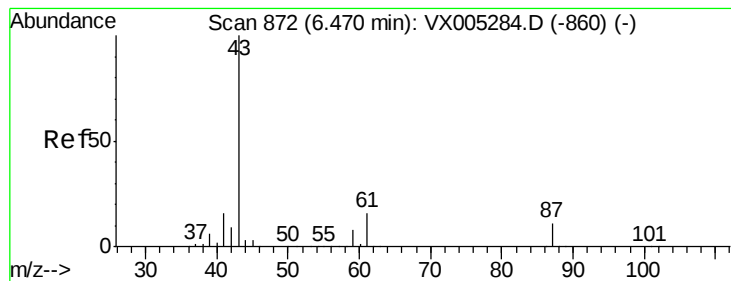


Abundance

Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

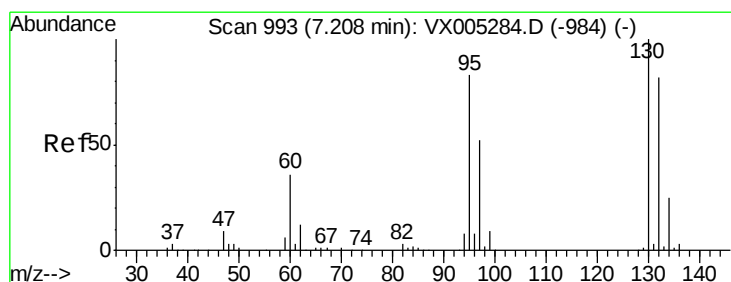
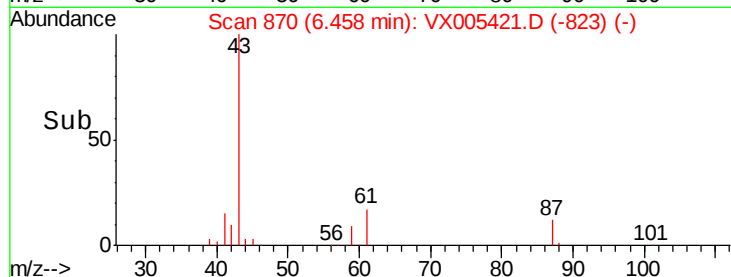
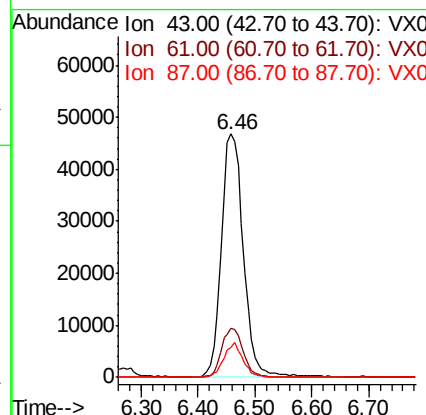
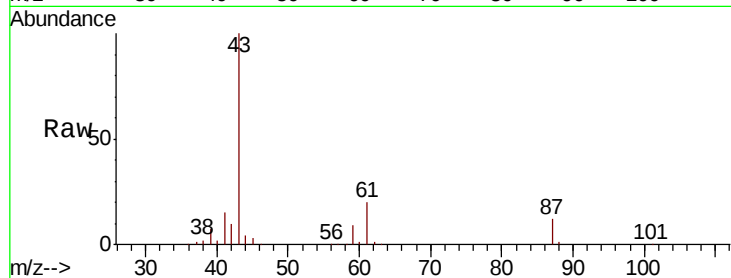
Isopropyl Acetate
 Concen: 20.610 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.01 min
 Lab File: VX005421.D
 Acq: 18 Oct 2018 11:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1018MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.5	17.0	25.4
87	12.4	11.4	17.2

Manual Integrations
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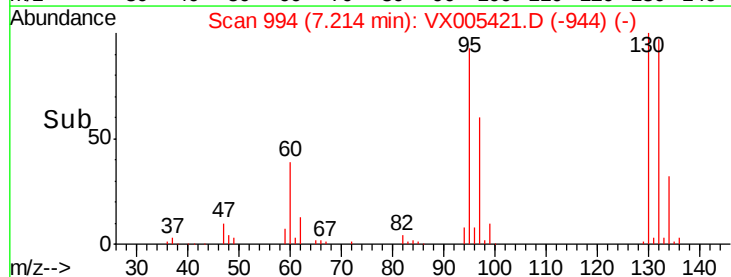
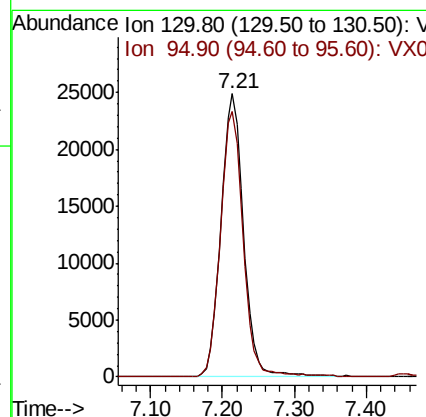
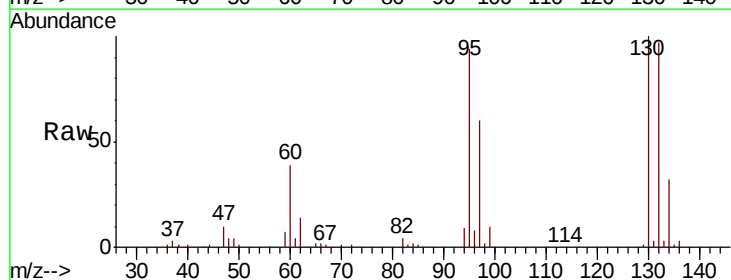
MMDadoda
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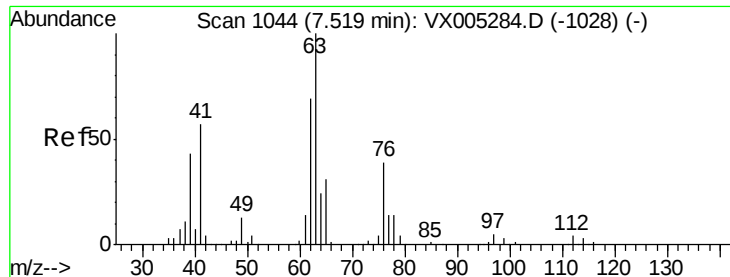


#44

Trichloroethene
 Concen: 19.621 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VX005421.D
 Acq: 18 Oct 2018 11:17

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.8	0.0	181.6





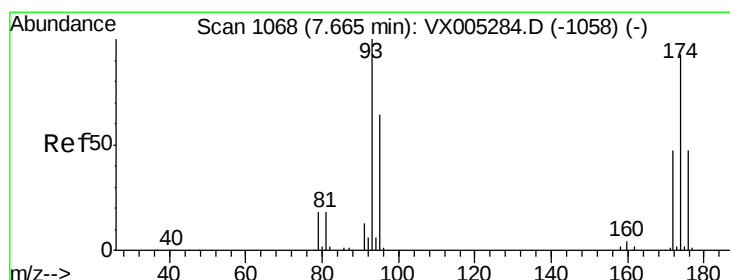
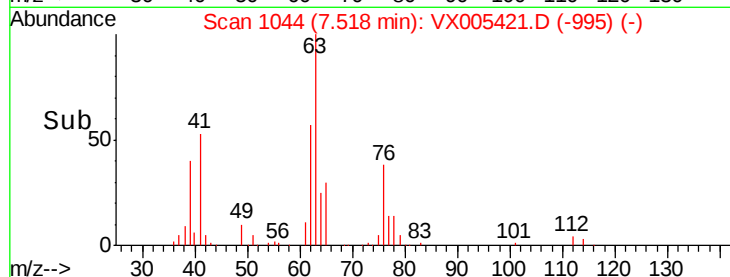
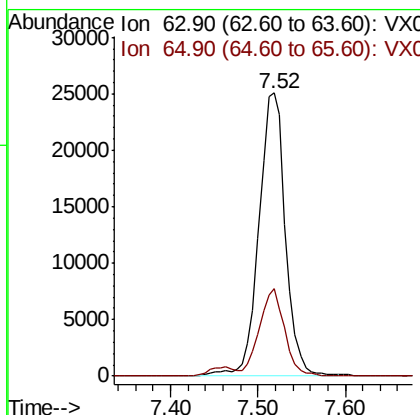
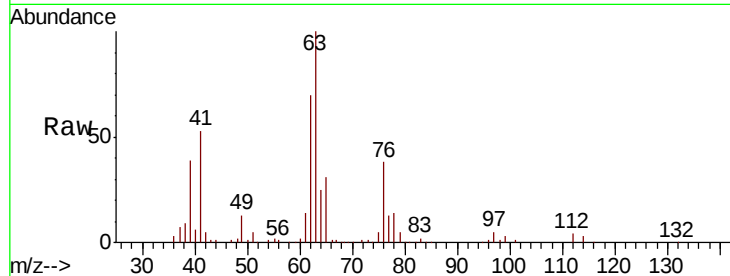
#45
 1,2-Dichloropropane
 Concen: 20.324 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: VX005421.D
 Acq: 18 Oct 2018 11:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1018MBS01

Tot Ion: 63 Resp: 53057
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.3 36.5

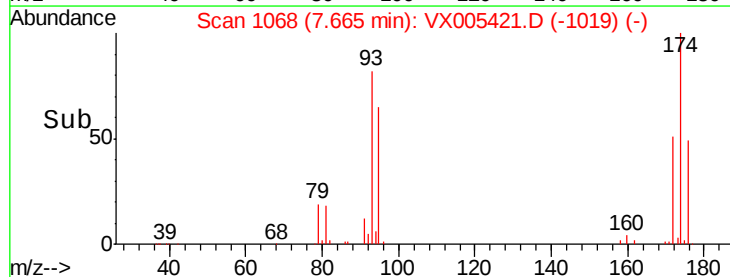
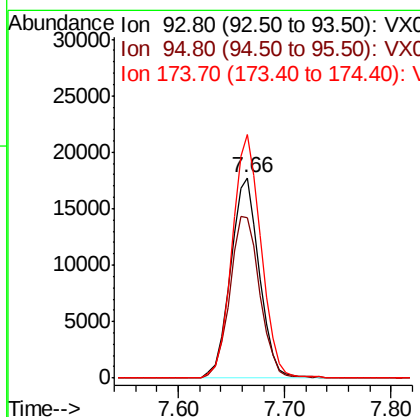
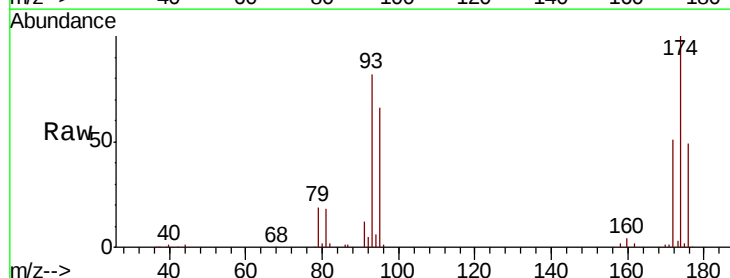
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#46
 Dibromomethane
 Concen: 19.452 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VX005421.D
 Acq: 18 Oct 2018 11:17

Tgt Ion: 93 Resp: 33514
 Ion Ratio Lower Upper
 93 100
 95 84.2 65.5 98.3
 174 122.7 94.2 141.4





#47

Bromodichloromethane

Concen: 20.147 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX005421.D

Acq: 18 Oct 2018 11:17

Instrument :

MSVOA_X

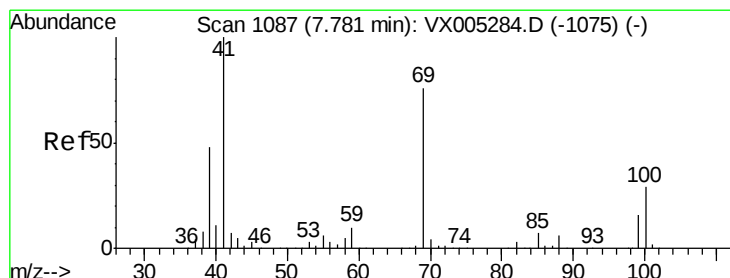
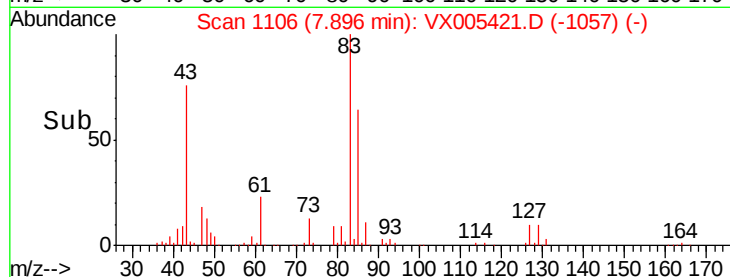
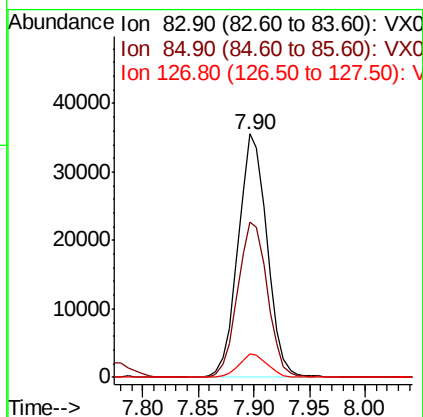
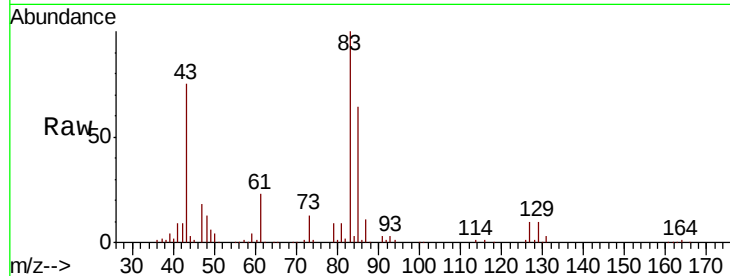
ClientSampleId :

VX1018MBS01

Tot Ion:	83	Resp:	64209
Ion	Ratio	Lower	Upper
83	100		
85	63.7	50.9	76.3
127	9.6	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.348 ug/l

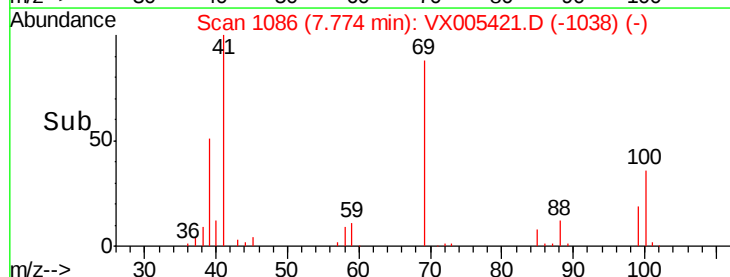
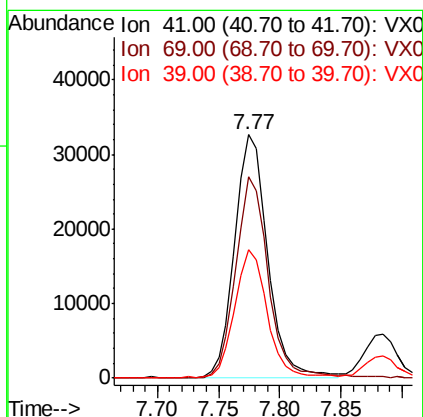
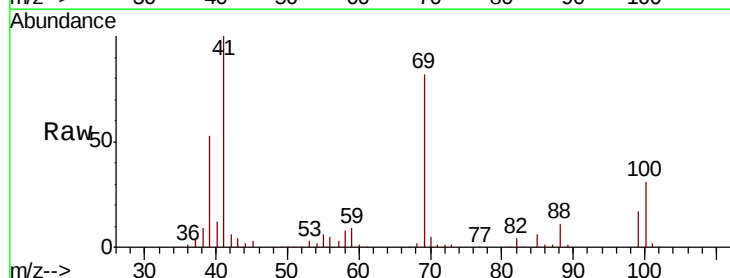
RT: 7.77 min Scan# 1086

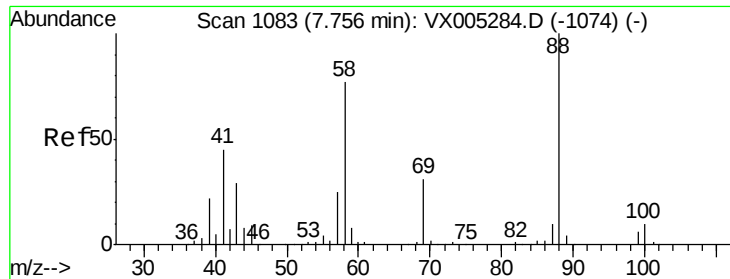
Delta R.T. -0.01 min

Lab File: VX005421.D

Acq: 18 Oct 2018 11:17

Tgt Ion:	41	Resp:	60987
Ion	Ratio	Lower	Upper
41	100		
69	82.6	70.2	105.4
39	52.9	42.7	64.1





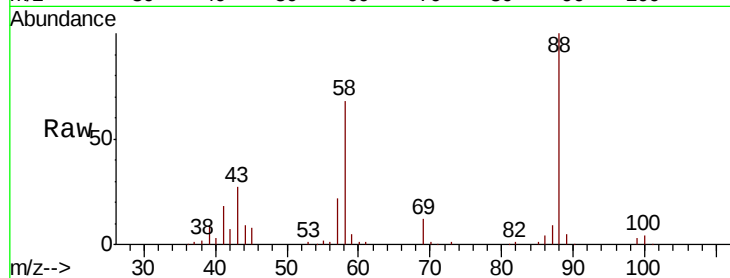
#49
 1,4-Dioxane
 Concen: 396.950 ug/l
 RT: 7.75 min Scan# 1082
 Delta R.T. -0.01 min
 Lab File: VX005421.D
 Acq: 18 Oct 2018 11:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1018MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.3	24.7	37.1
58	71.0	55.3	82.9

Manual Integrations
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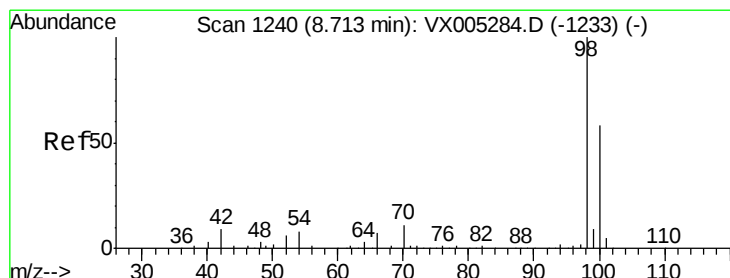
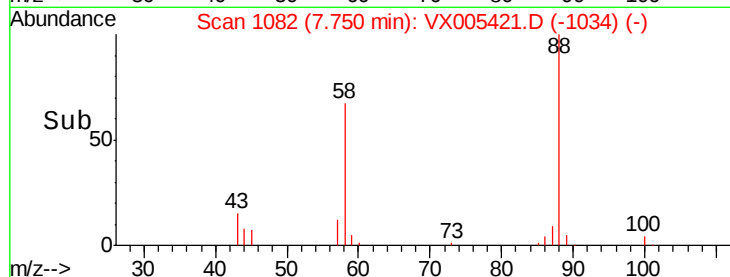
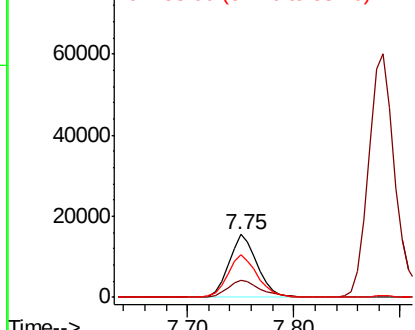


Abundance

Ion 88.00 (87.70 to 88.70): VX0

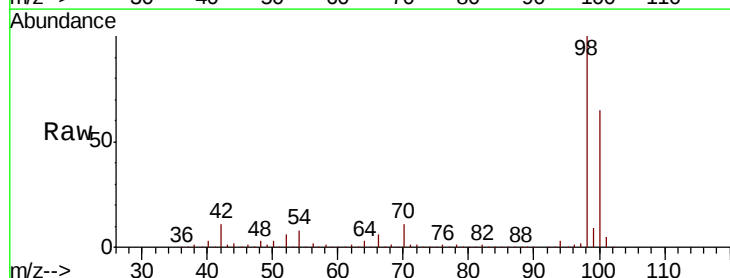
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
 Toluene-d8
 Concen: 53.942 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VX005421.D
 Acq: 18 Oct 2018 11:17

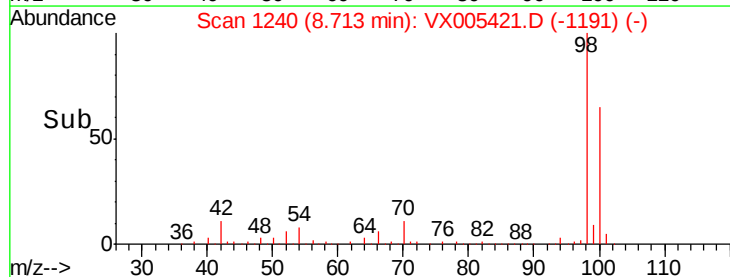
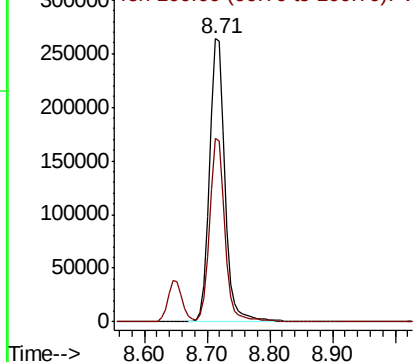
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	52.9	79.3

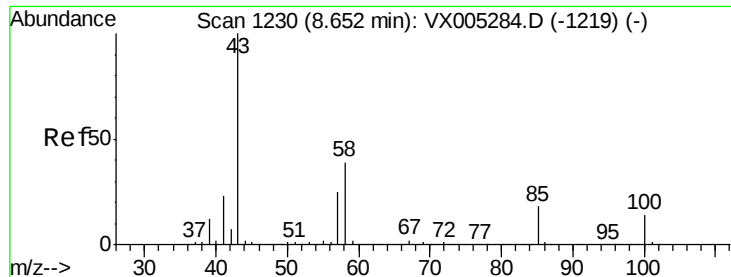


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 102.434 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VX005421.D

Acq: 18 Oct 2018 11:17

Instrument :

MSVOA_X

ClientSampleId :

VX1018MBS01

Tot Ion: 43 Resp: 431053

Ion Ratio Lower Upper

43 100

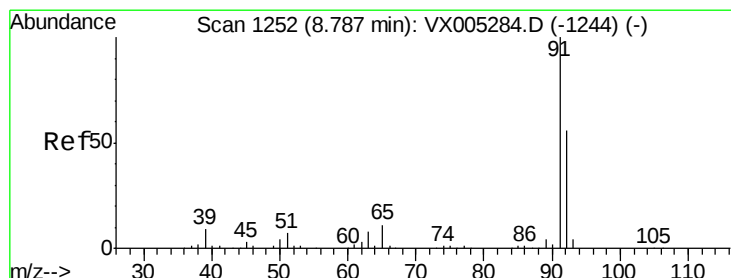
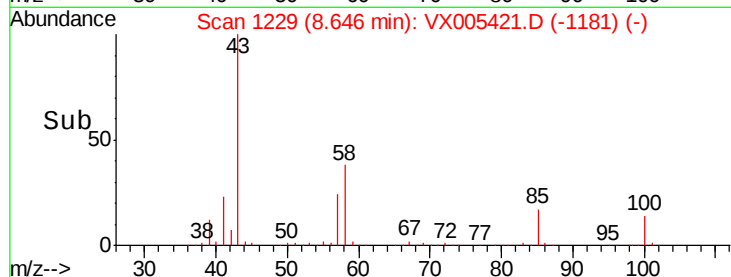
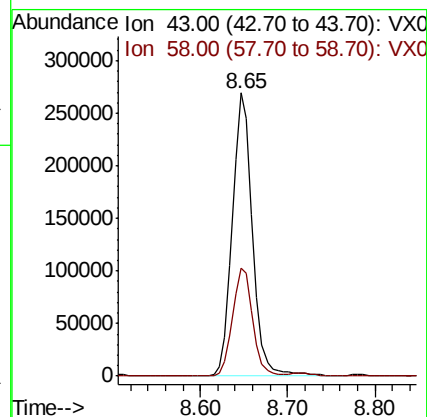
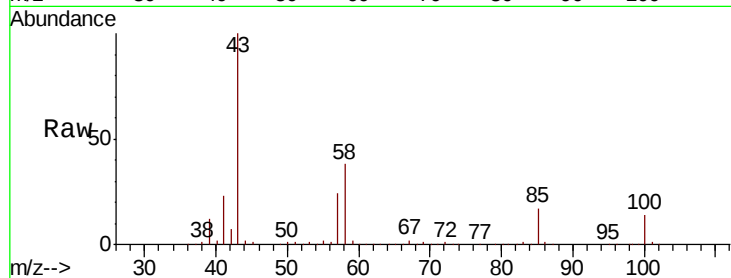
58 38.2 33.1 49.7

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#52

Toluene

Concen: 21.214 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005421.D

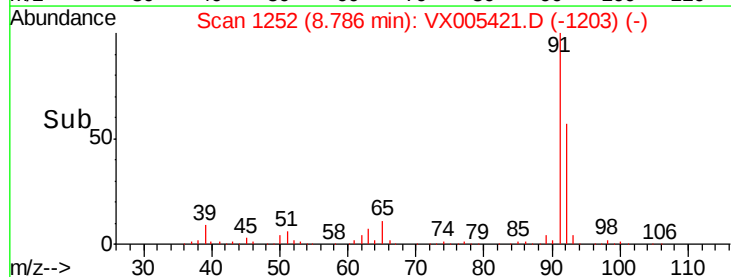
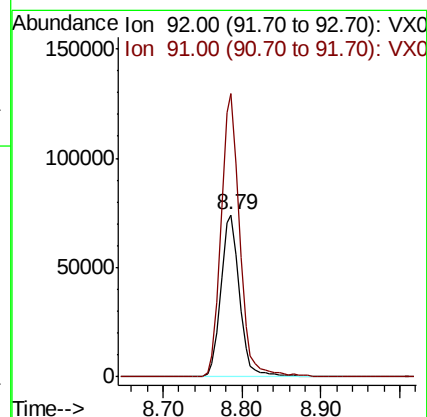
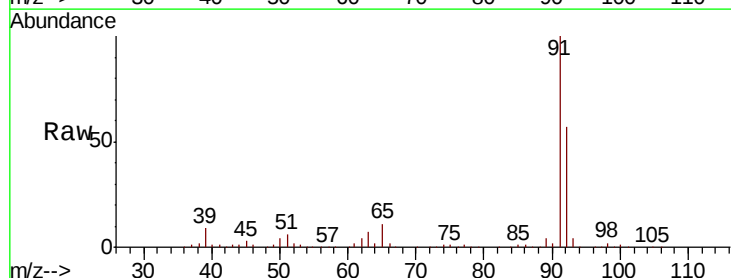
Acq: 18 Oct 2018 11:17

Tgt Ion: 92 Resp: 123514

Ion Ratio Lower Upper

92 100

91 173.8 136.4 204.6





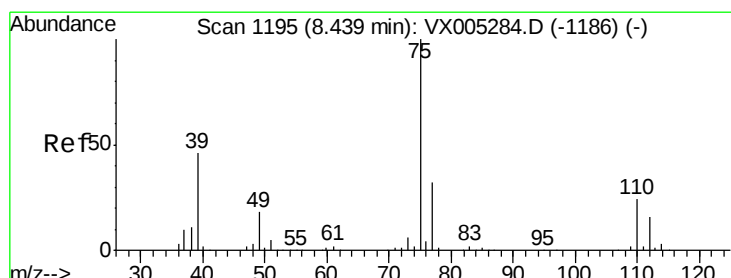
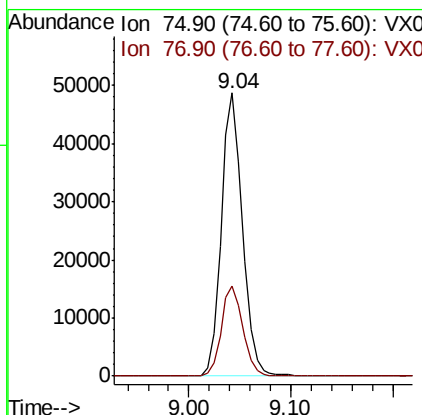
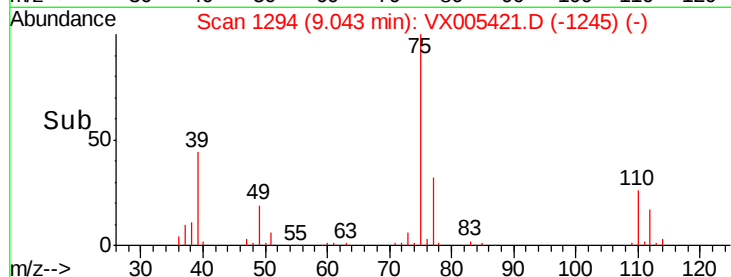
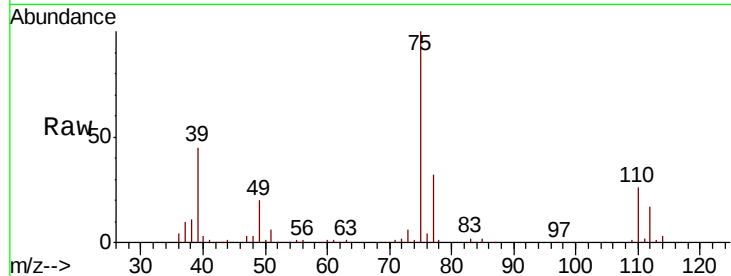
#53
t-1,3-Dichloropropene
Concen: 20.366 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX005421.D
Acq: 18 Oct 2018 11:17

Instrument :
MSVOA_X
ClientSampleId :
VX1018MBS01

Tot Ion: 75 Resp: 70242
Ion Ratio Lower Upper
75 100
77 31.8 24.6 37.0

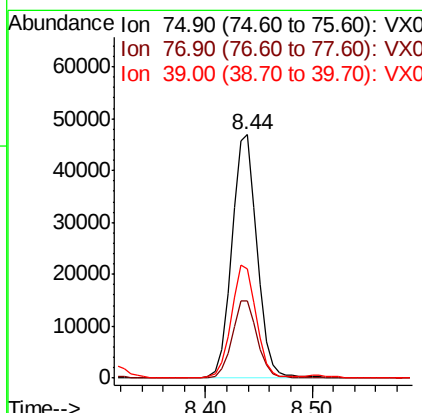
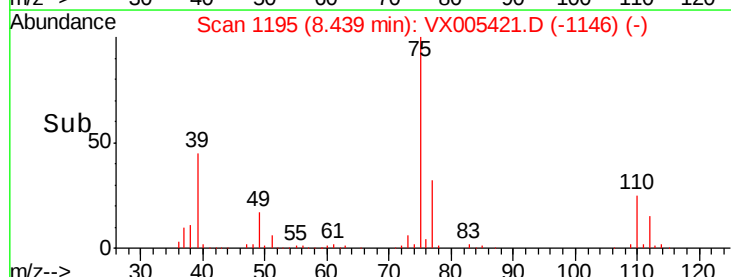
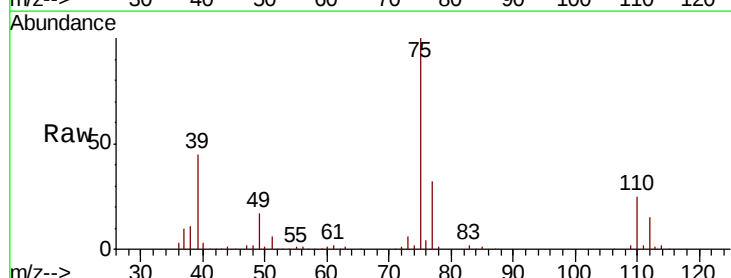
Manual Integrations
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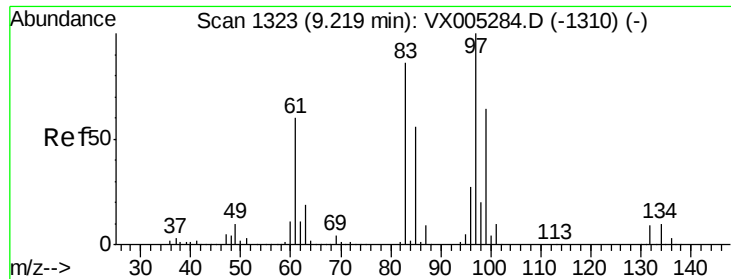
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 20.867 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. -0.00 min
Lab File: VX005421.D
Acq: 18 Oct 2018 11:17

Tgt Ion: 75 Resp: 77980
Ion Ratio Lower Upper
75 100
77 31.7 26.2 39.2
39 44.8 36.4 54.6





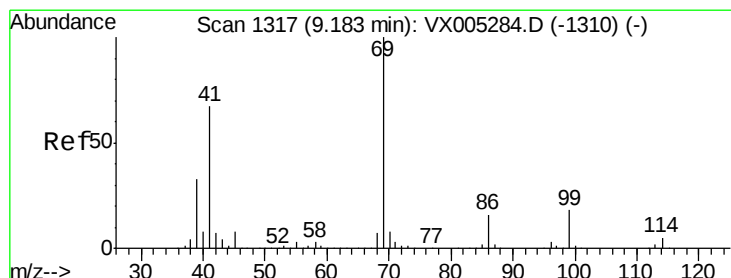
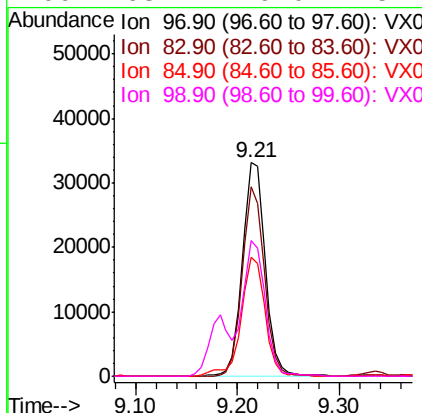
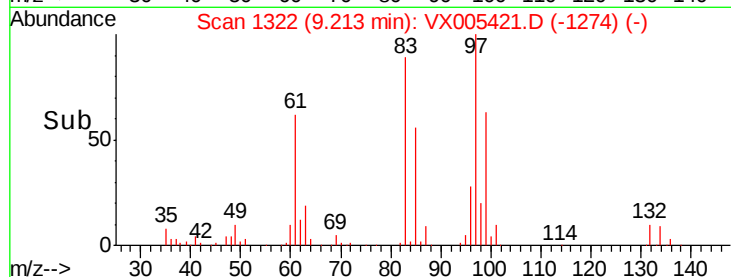
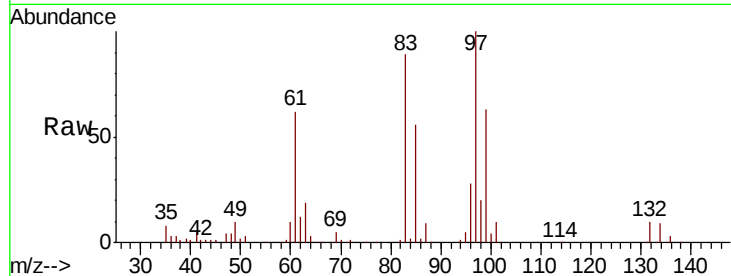
#55
 1,1,2-Trichloroethane
 Concen: 20.862 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: VX005421.D
 Acq: 18 Oct 2018 11:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1018MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		51446		
83	88.5	66.4	99.6		
85	55.7	43.3	64.9		
99	63.4	49.0	73.4		

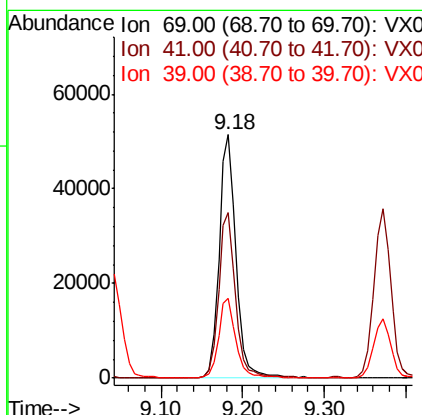
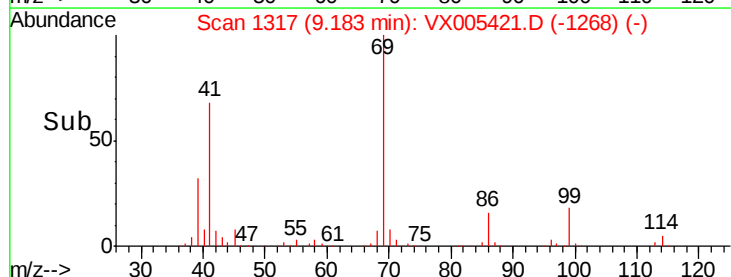
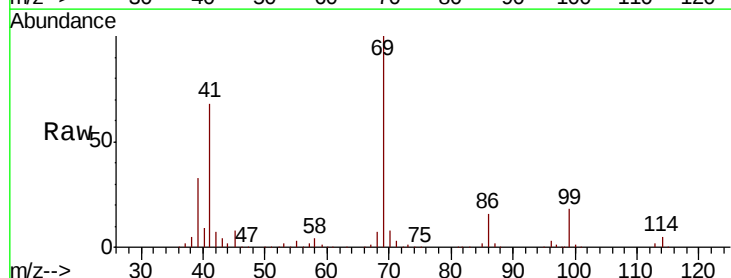
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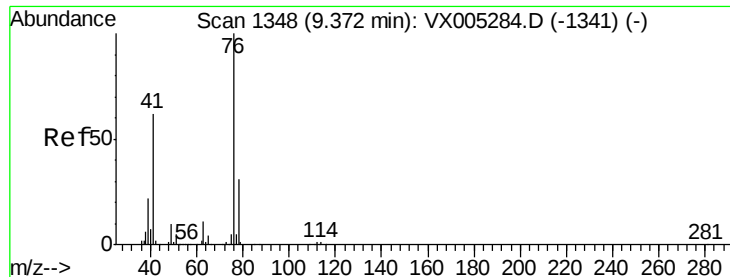
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#56
 Ethyl methacrylate
 Concen: 20.692 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX005421.D
 Acq: 18 Oct 2018 11:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		74386		
41	68.1	51.0	76.4		
39	33.4	26.1	39.1		





#57

1,3-Dichloropropane

Concen: 20.878 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX005421.D

Acq: 18 Oct 2018 11:17

Instrument :

MSVOA_X

ClientSampleId :

VX1018MBS01

Tot Ion: 76 Resp: 85932

Ion Ratio Lower Upper

76 100

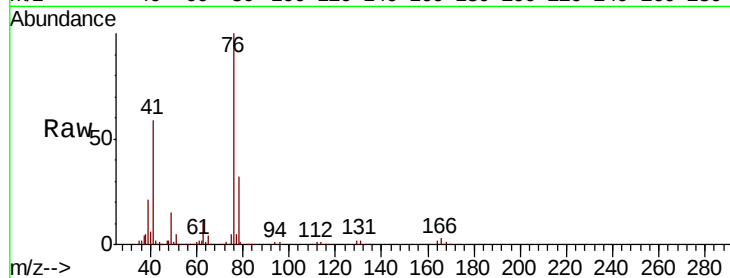
78 32.3 25.5 38.3

Manual Integrations

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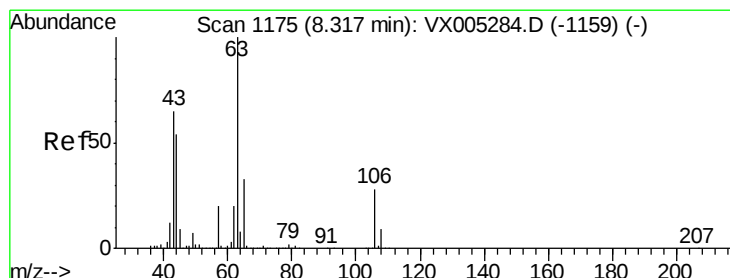
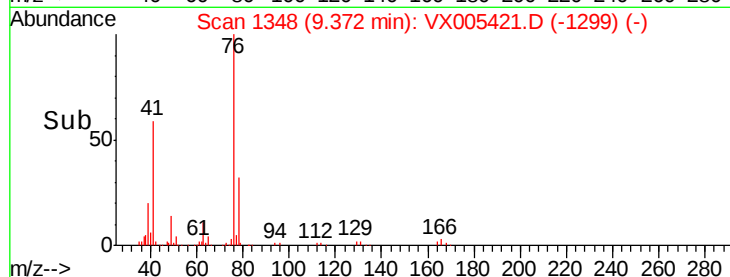
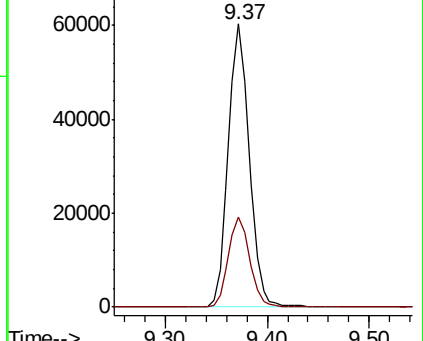
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 105.066 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.01 min

Lab File: VX005421.D

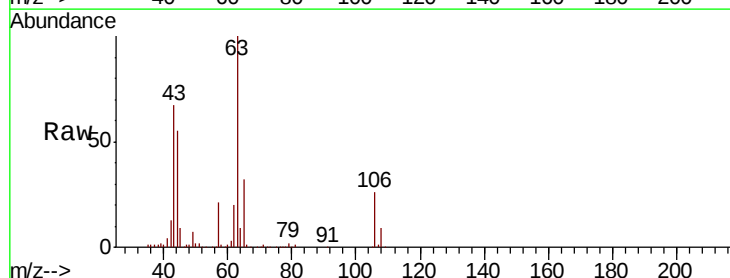
Acq: 18 Oct 2018 11:17

Tgt Ion: 63 Resp: 211827

Ion Ratio Lower Upper

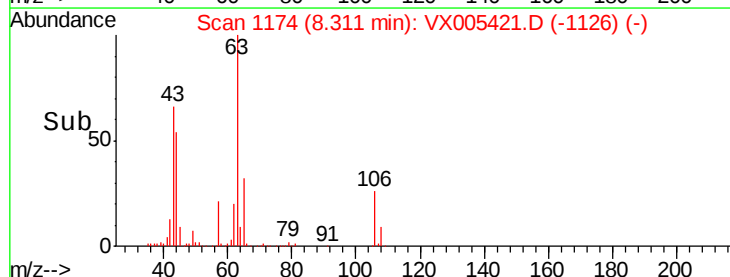
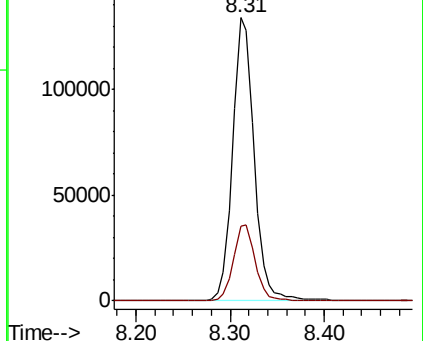
63 100

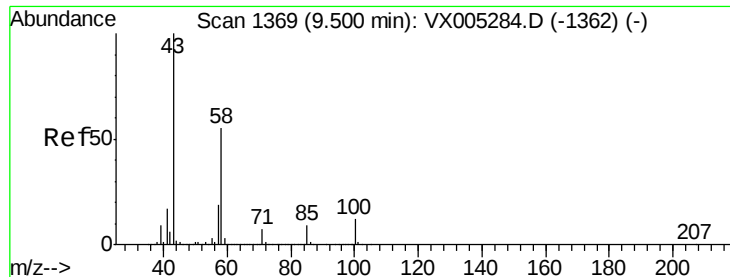
106 27.4 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





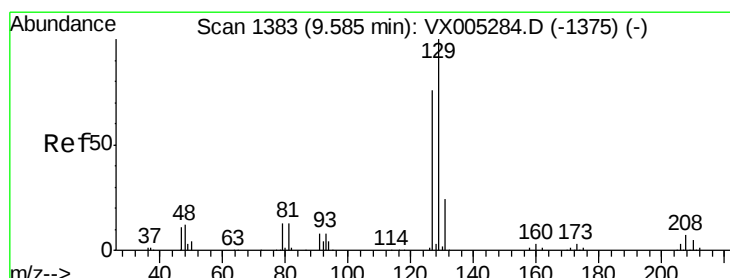
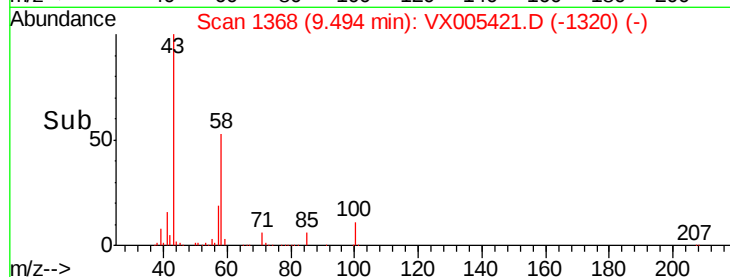
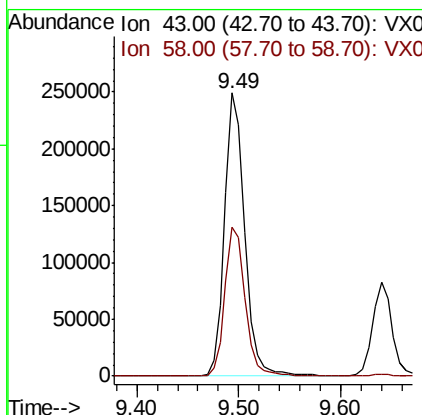
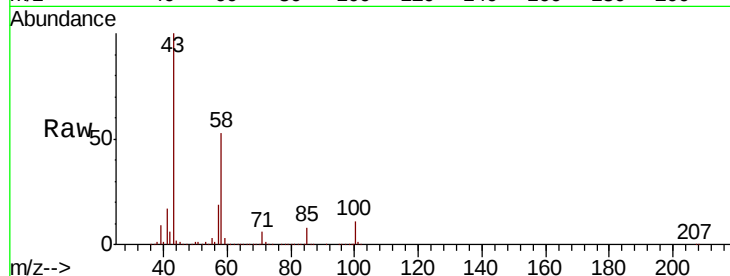
#59
2-Hexanone
Concen: 101.047 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX005421.D
Acq: 18 Oct 2018 11:17

Instrument :
MSVOA_X
ClientSampleId :
VX1018MBS01

Tot Ion: 43 Resp: 342047
Ion Ratio Lower Upper
43 100
58 53.2 29.0 87.0

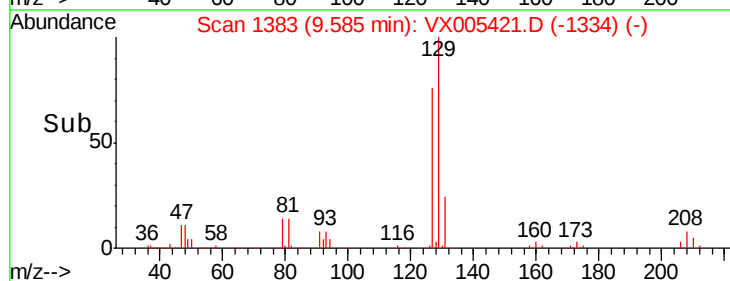
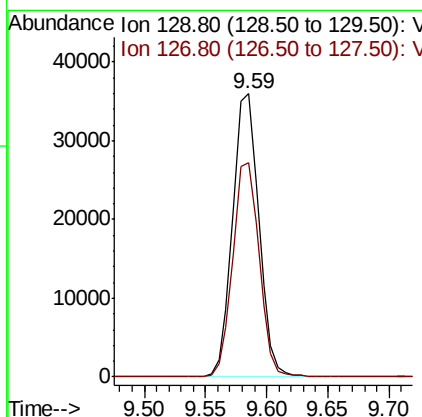
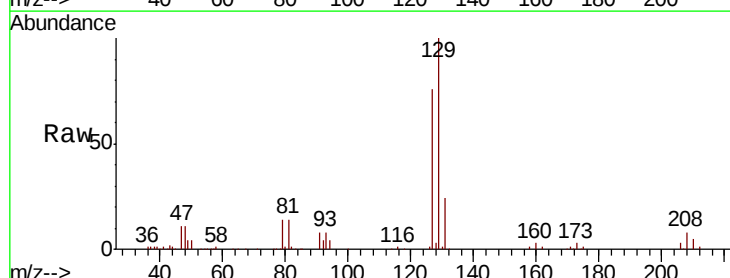
Manual Integrations
APPROVED

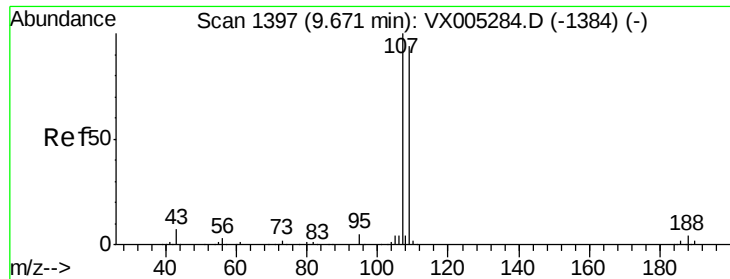
MMDadoda
10/19/2018 1:51:27 PM



#60
Dibromochloromethane
Concen: 20.961 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005421.D
Acq: 18 Oct 2018 11:17

Tgt Ion: 129 Resp: 53430
Ion Ratio Lower Upper
129 100
127 76.0 38.5 115.5





#61

1,2-Dibromoethane

Concen: 20.486 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX005421.D

Acq: 18 Oct 2018 11:17

Instrument :

MSVOA_X

ClientSampleId :

VX1018MBS01

Tot Ion:107 Resp: 53018

Ion Ratio Lower Upper

107 100

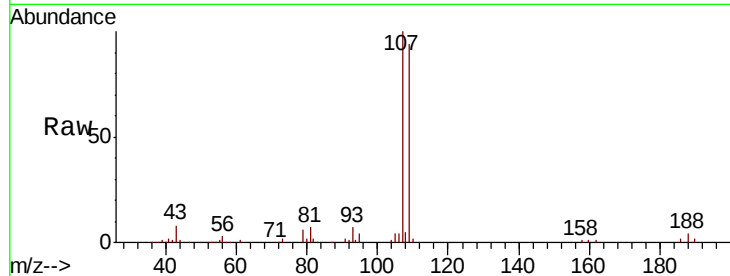
109 95.9 76.0 114.0

Manual Integrations

APPROVED

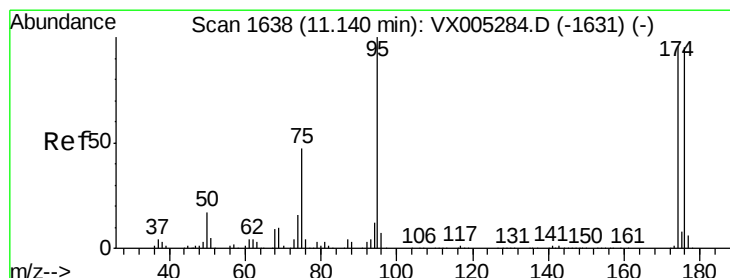
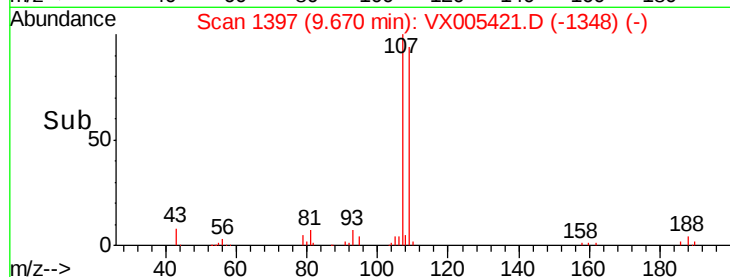
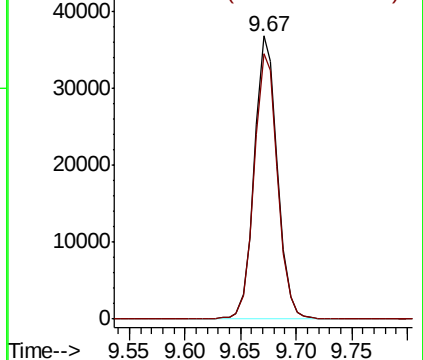
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 53.035 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005421.D

Acq: 18 Oct 2018 11:17

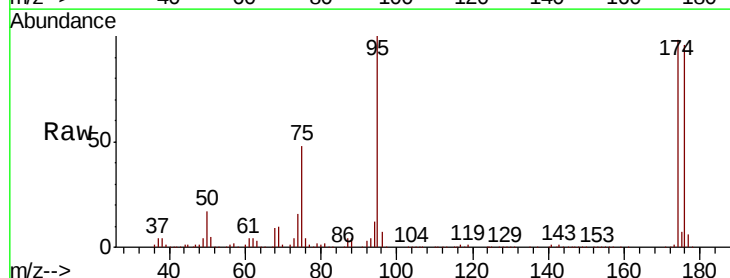
Tgt Ion: 95 Resp: 165940

Ion Ratio Lower Upper

95 100

174 94.1 0.0 185.2

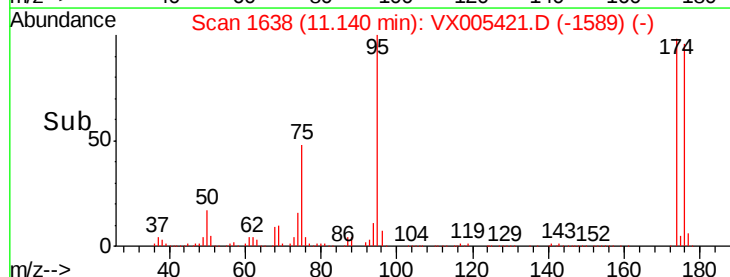
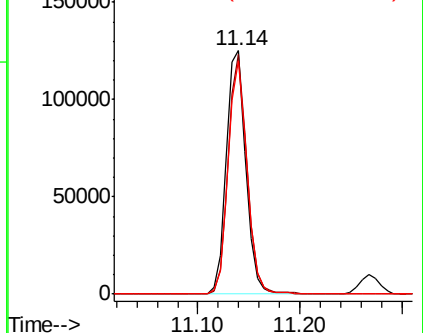
176 92.1 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





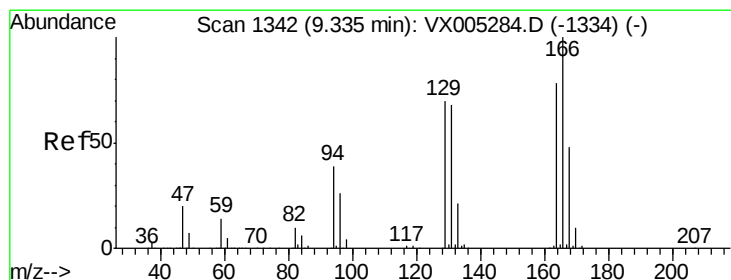
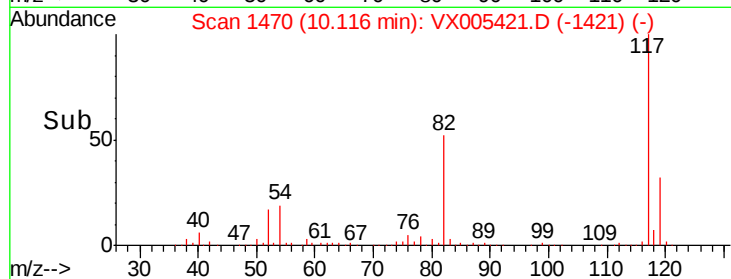
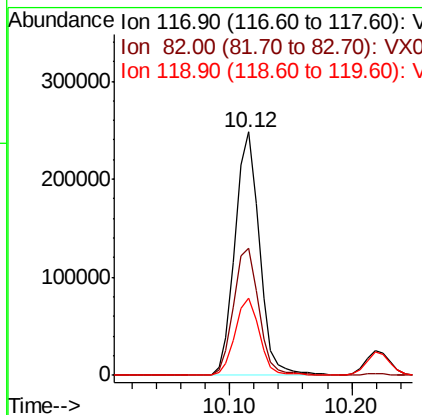
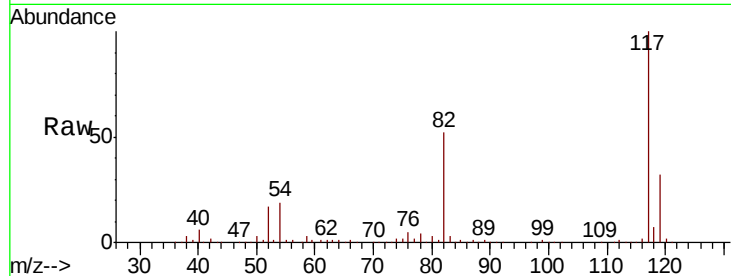
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005421.D
Acq: 18 Oct 2018 11:17

Instrument :
MSVOA_X
ClientSampleId :
VX1018MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.2	47.8	71.6
119	31.8	29.3	43.9

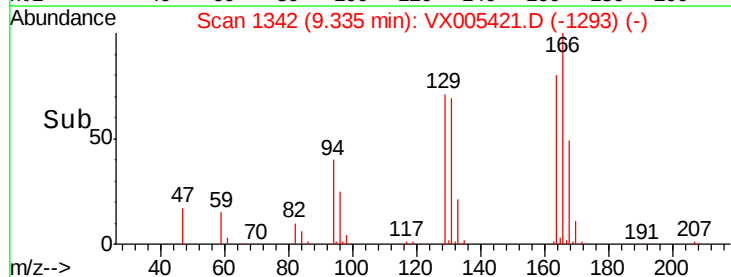
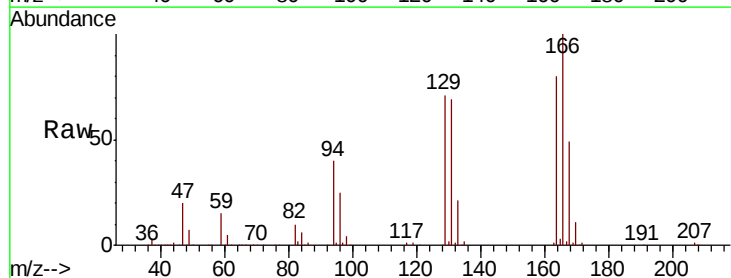
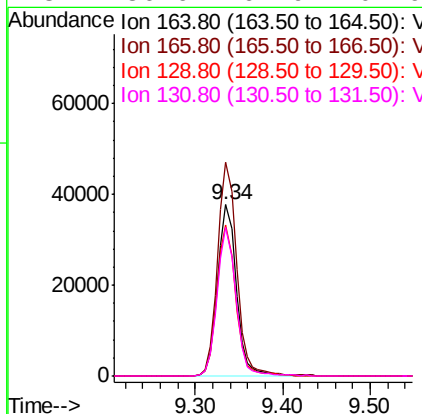
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#64
Tetrachloroethene
Concen: 20.496 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005421.D
Acq: 18 Oct 2018 11:17

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.7	102.8	154.2
129	88.3	69.4	104.0
131	86.6	67.9	101.9





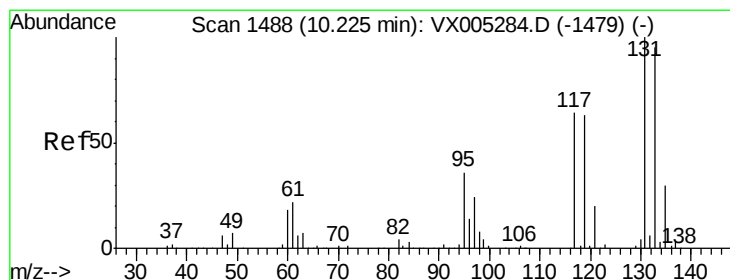
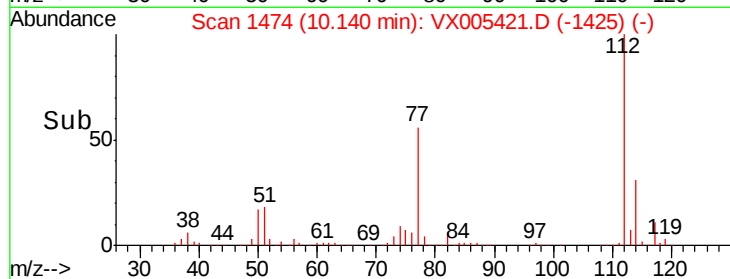
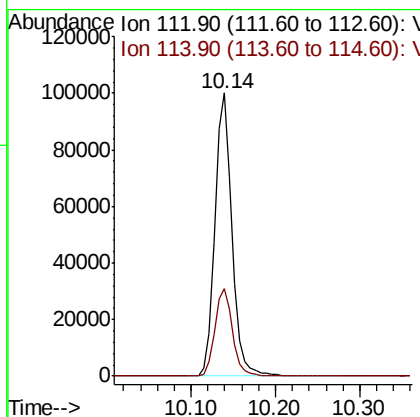
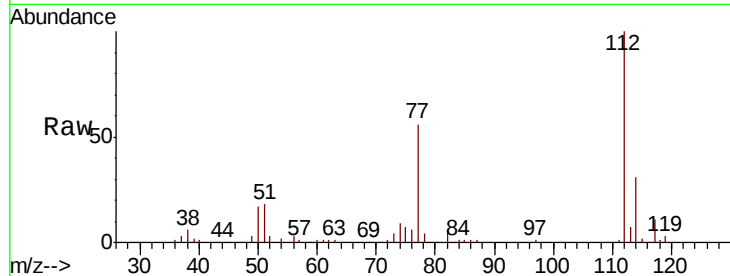
#65
Chlorobenzene
Concen: 19.313 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX005421.D
Acq: 18 Oct 2018 11:17

Instrument :
MSVOA_X
ClientSampleId :
VX1018MBS01

Tot Ion:112 Resp: 140683
Ion Ratio Lower Upper
112 100
114 30.8 27.8 41.8

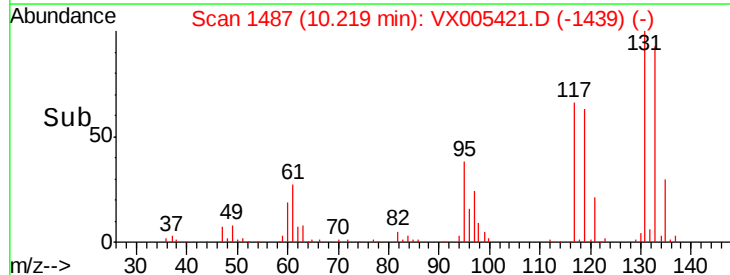
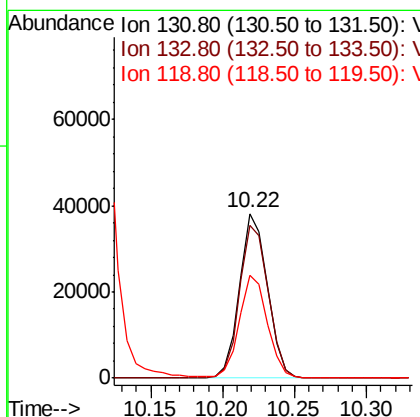
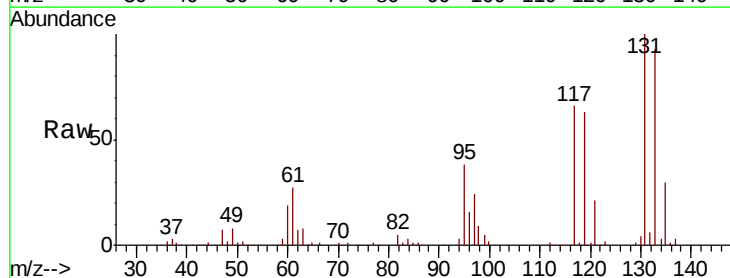
Manual Integrations
APPROVED

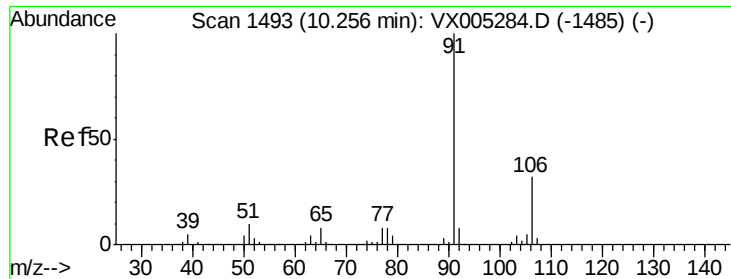
MMDadoda
10/19/2018 1:51:27 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.790 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.01 min
Lab File: VX005421.D
Acq: 18 Oct 2018 11:17

Tgt Ion:131 Resp: 51373
Ion Ratio Lower Upper
131 100
133 96.0 48.1 144.4
119 63.3 32.9 98.6





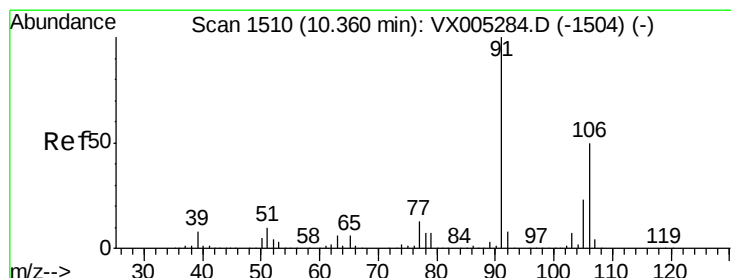
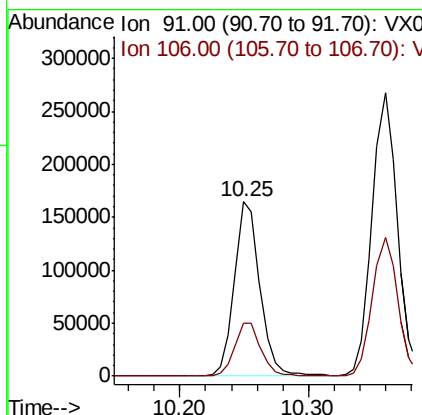
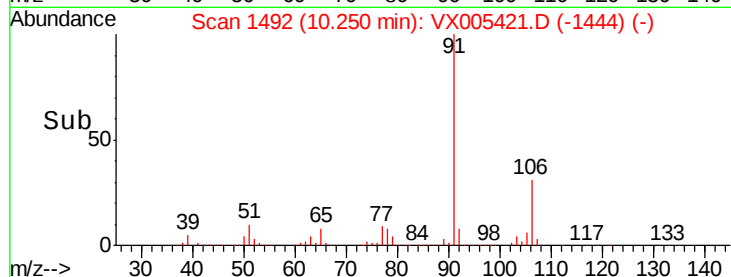
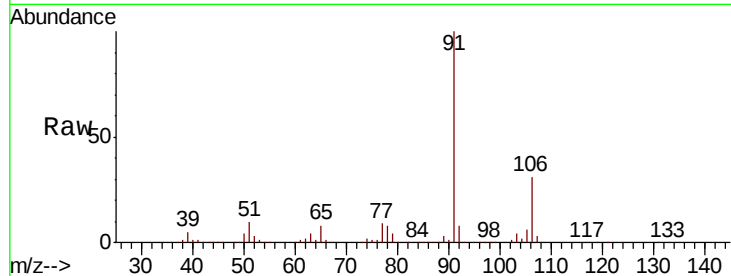
#67
Ethyl Benzene
Concen: 19.423 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VX005421.D
Acq: 18 Oct 2018 11:17

Instrument :
MSVOA_X
ClientSampleId :
VX1018MBS01

Tot Ion: 91 Resp: 230013
Ion Ratio Lower Upper
91 100
106 30.6 25.9 38.9

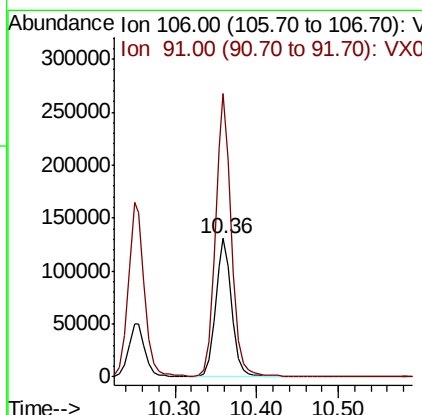
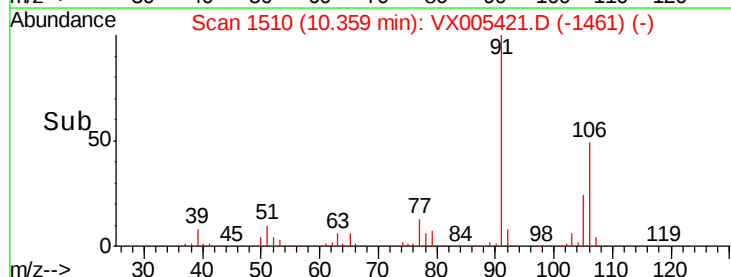
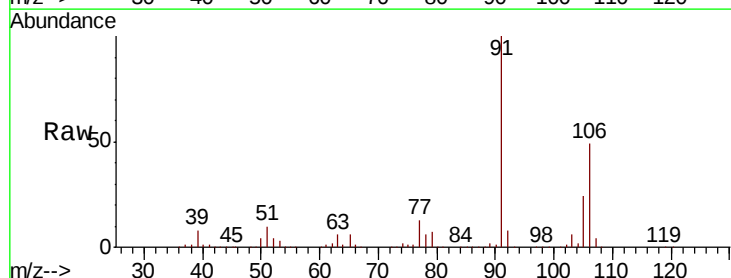
Manual Integrations
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#68
m/p-Xylenes
Concen: 39.676 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX005421.D
Acq: 18 Oct 2018 11:17

Tgt Ion: 106 Resp: 182363
Ion Ratio Lower Upper
106 100
91 202.6 157.1 235.7





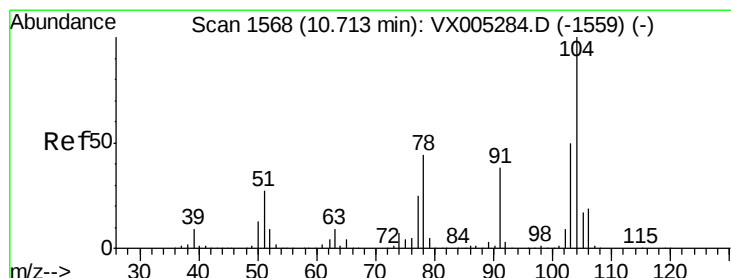
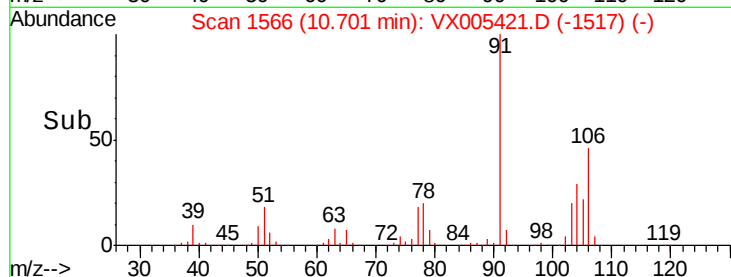
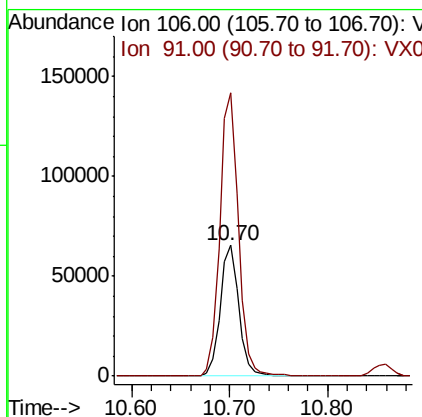
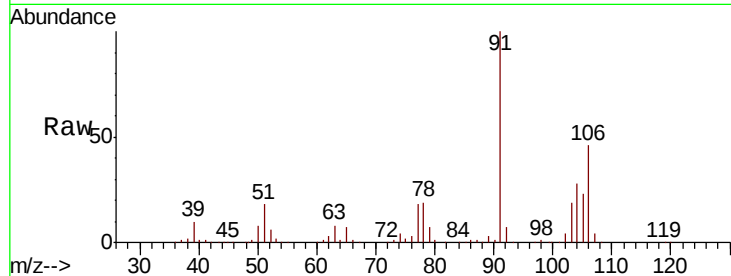
#69
o-Xylene
Concen: 19.487 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005421.D
Acq: 18 Oct 2018 11:17

Instrument :
MSVOA_X
ClientSampleId :
VX1018MBS01

Tot Ion:106 Resp: 86384
Ion Ratio Lower Upper
106 100
91 217.0 105.1 315.1

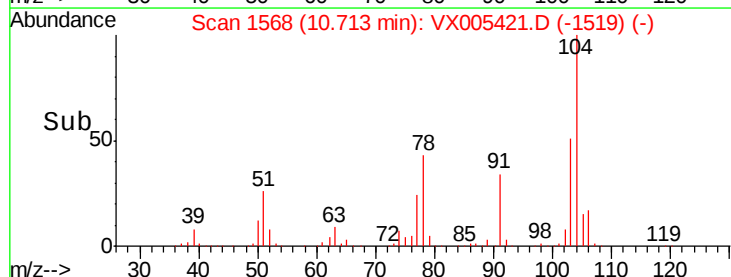
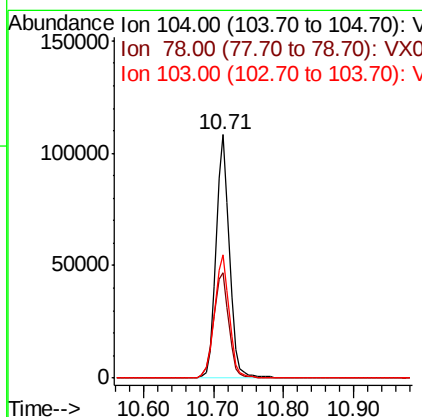
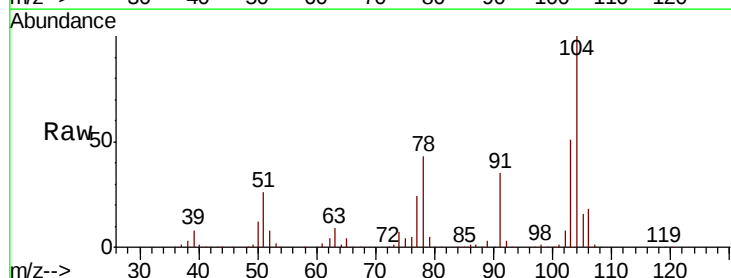
Manual Integrations
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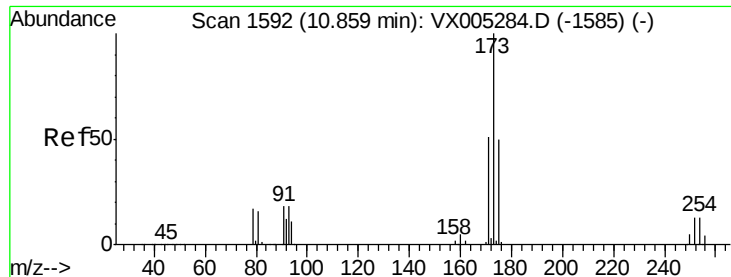
MMDadoda
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#70
Styrene
Concen: 19.780 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005421.D
Acq: 18 Oct 2018 11:17

Tgt Ion:104 Resp: 144220
Ion Ratio Lower Upper
104 100
78 49.3 37.4 56.0
103 55.9 43.8 65.6





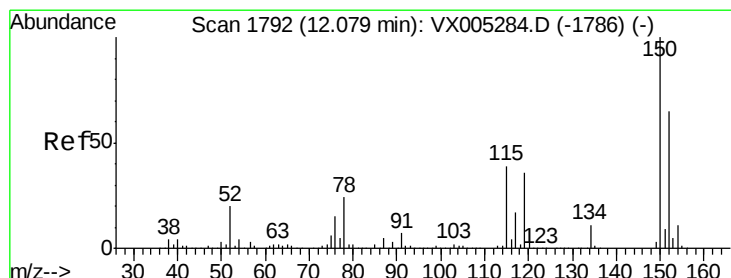
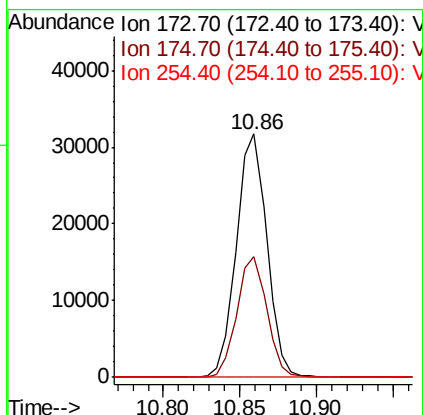
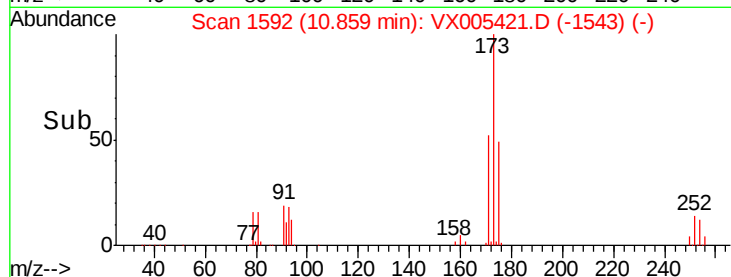
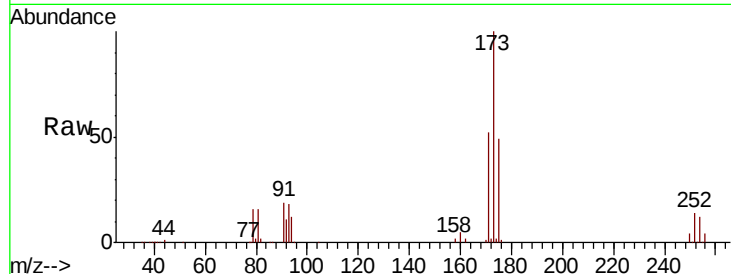
#71
Bromoform
Concen: 18.941 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VX005421.D
Acq: 18 Oct 2018 11:17

Instrument :
MSVOA_X
ClientSampleId :
VX1018MBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.1	72.3
254	0.1	0.2	0.2#

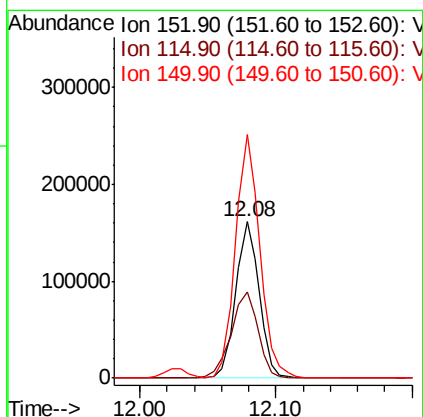
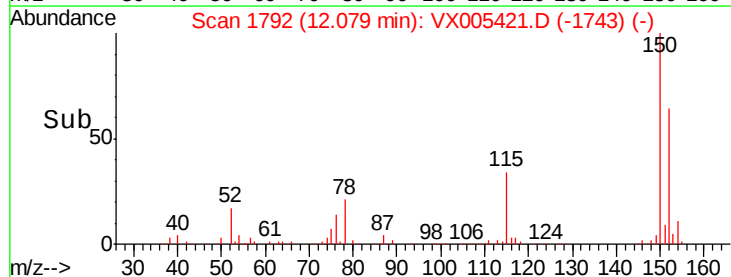
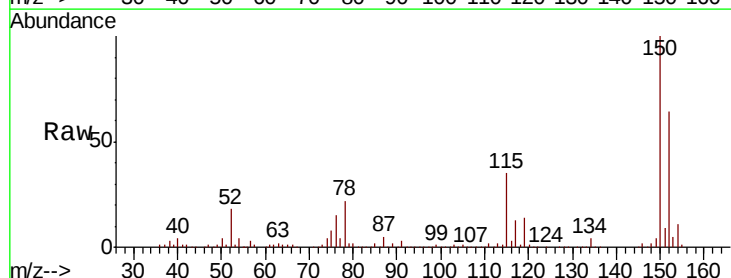
Manual Integrations
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005421.D
Acq: 18 Oct 2018 11:17

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.4	39.0	117.0
150	163.2	0.0	351.0





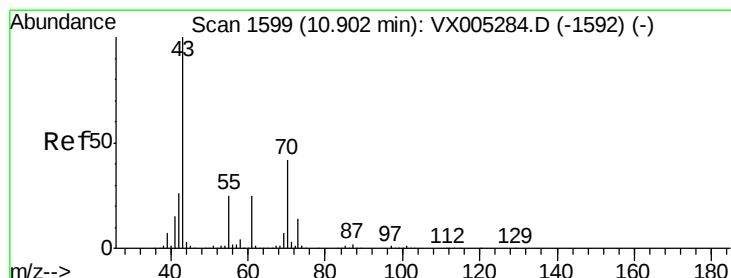
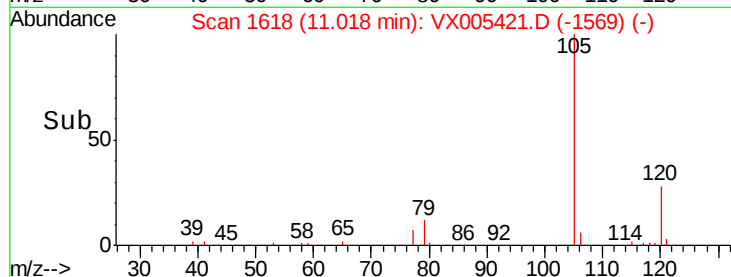
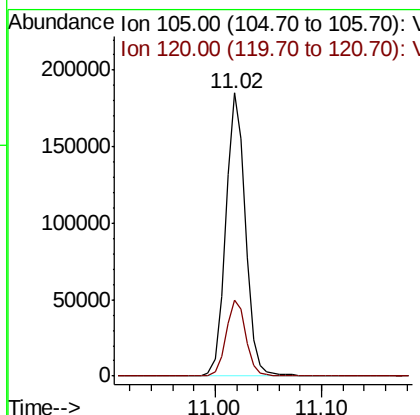
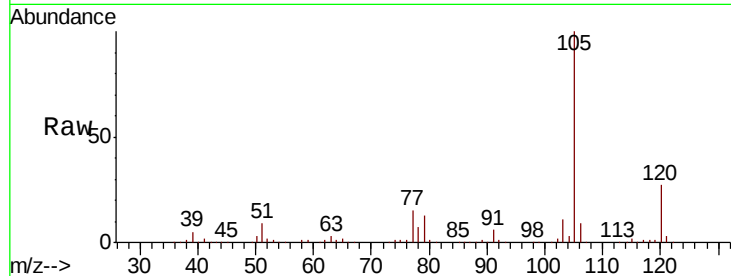
#73
Isopropylbenzene
Concen: 20.975 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX005421.D
Acq: 18 Oct 2018 11:17

Instrument :
MSVOA_X
ClientSampleId :
VX1018MBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.1	13.5	40.4

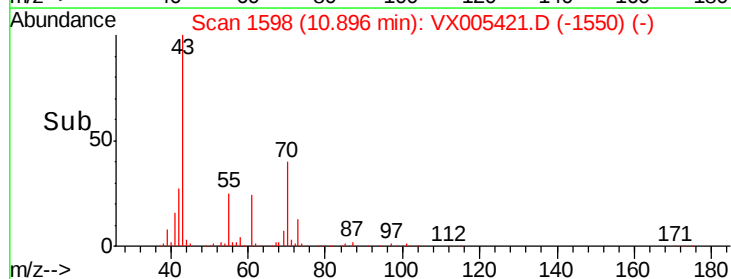
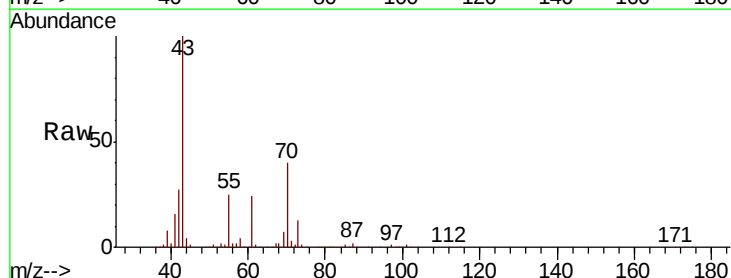
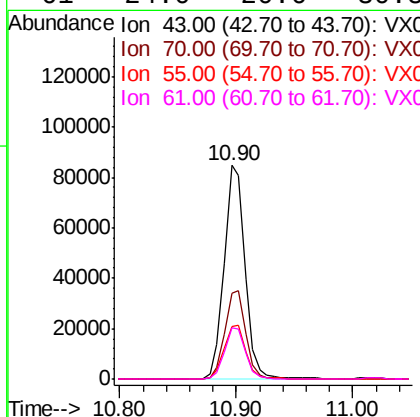
Manual Integrations
APPROVED

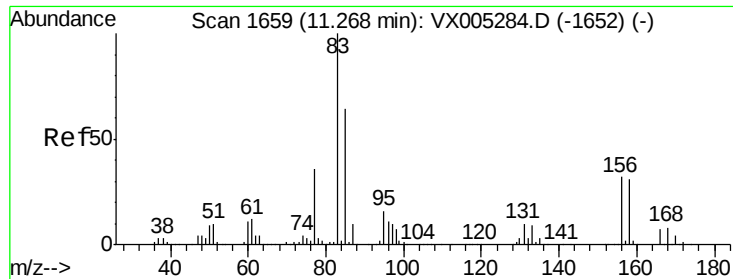
MMDadoda
10/19/2018 1:51:27 PM



#74
N-ethyl acetate
Concen: 19.106 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.01 min
Lab File: VX005421.D
Acq: 18 Oct 2018 11:17

Tgt Ion	Ratio	Lower	Upper
43	100		
70	41.7	37.4	56.0
55	26.1	21.8	32.8
61	24.0	20.6	30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 18.936 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005421.D

Acq: 18 Oct 2018 11:17

Instrument :

MSVOA_X

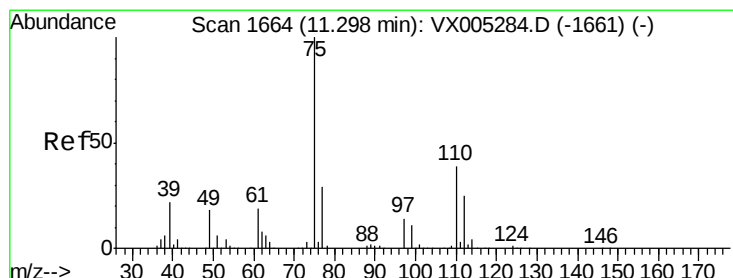
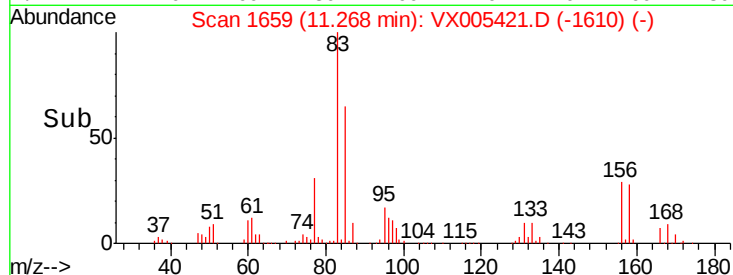
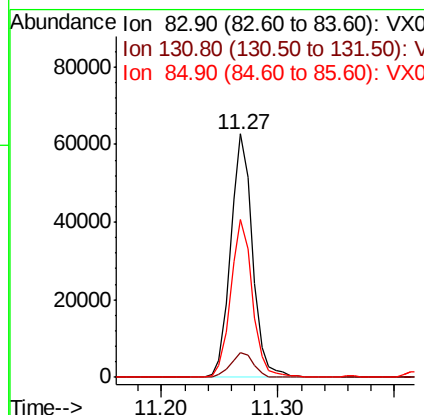
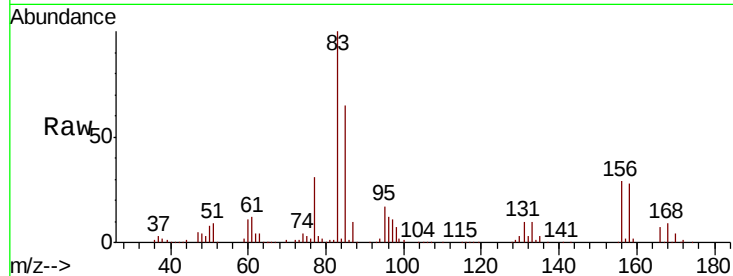
ClientSampleId :

VX1018MBS01

Tot Ion:	83	Resp:	81689
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.2	15.6
85	64.5	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.763 ug/l m

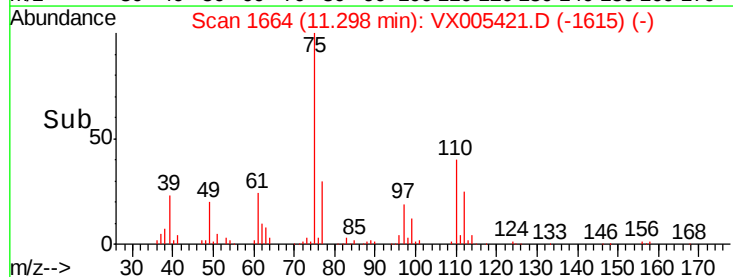
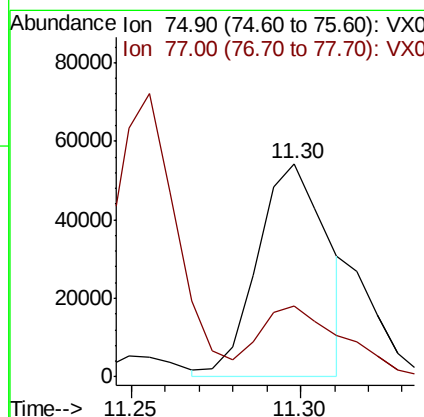
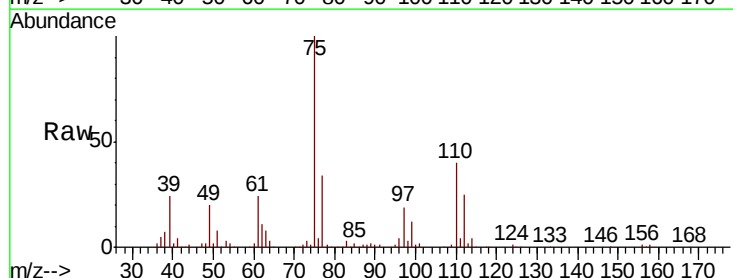
RT: 11.30 min Scan# 1664

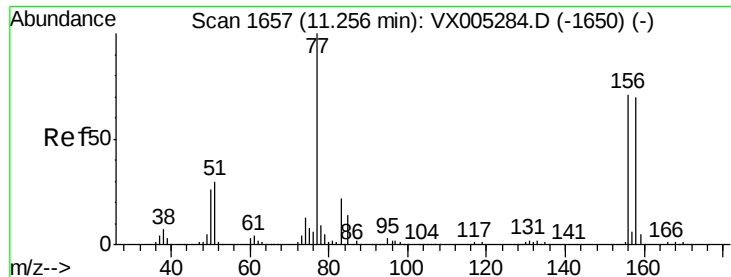
Delta R.T. -0.00 min

Lab File: VX005421.D

Acq: 18 Oct 2018 11:17

Tgt Ion:	75	Resp:	77473
Ion Ratio	Lower	Upper	
75	100		
77	39.7	20.2	60.6





#77

Bromobenzene

Concen: 20.202 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005421.D

Acq: 18 Oct 2018 11:17

Instrument :

MSVOA_X

ClientSampleId :

VX1018MBS01

Tot Ion:156 Resp: 66057

Ion Ratio Lower Upper

156 100

77 141.3 71.5 214.3

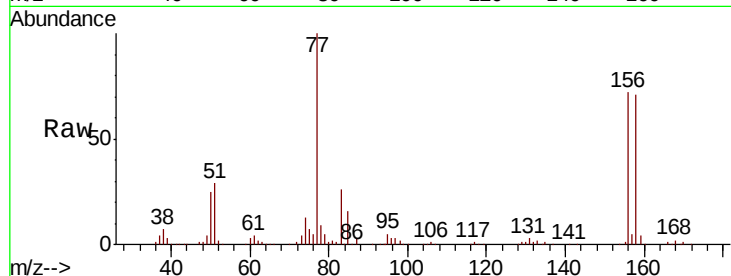
158 97.9 48.9 146.8

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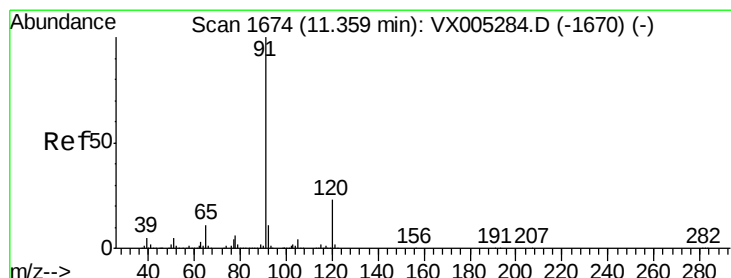
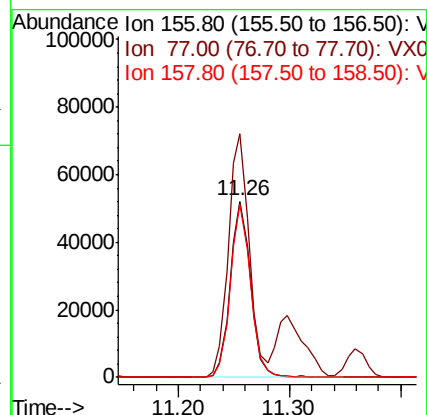
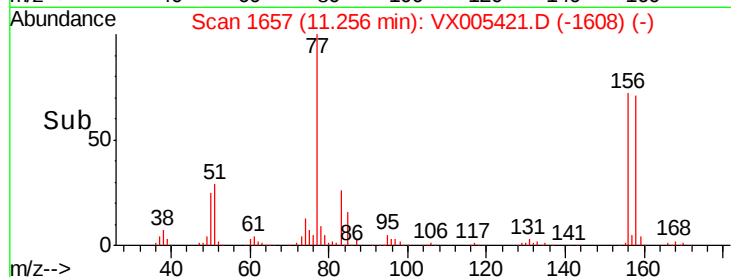
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.599 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005421.D

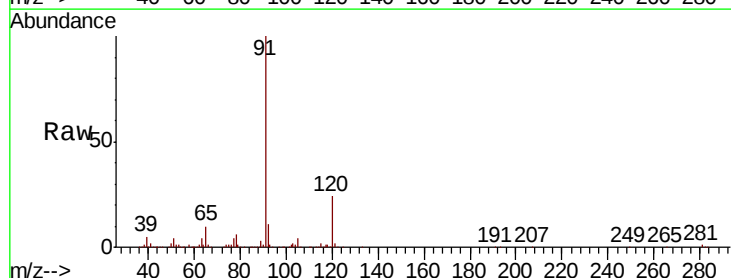
Acq: 18 Oct 2018 11:17

Tgt Ion: 91 Resp: 271068

Ion Ratio Lower Upper

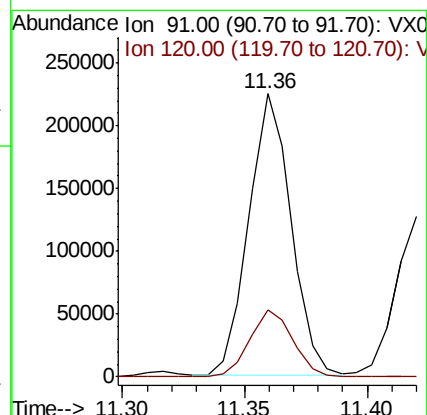
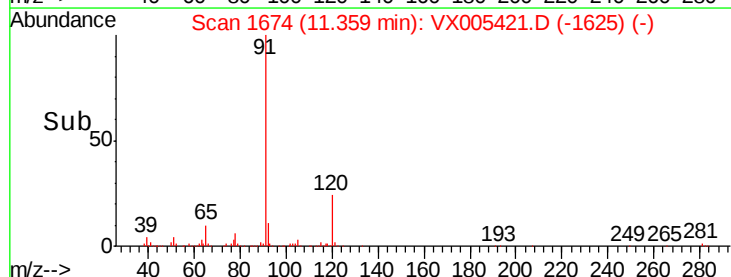
91 100

120 24.3 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.121 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX005421.D

Acq: 18 Oct 2018 11:17

Instrument :

MSVOA_X

ClientSampleId :

VX1018MBS01

Tot Ion: 91 Resp: 162164

Ion Ratio Lower Upper

91 100

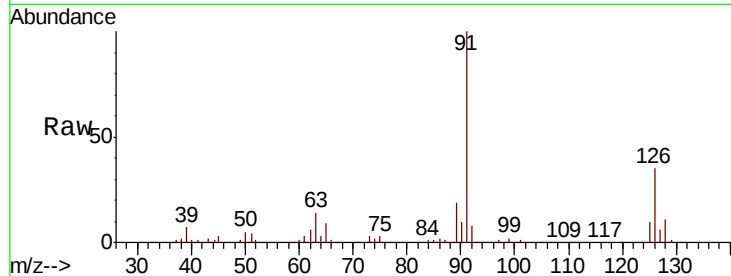
126 35.9 17.9 53.7

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Abundance Ion 91.00 (90.70 to 91.70): VX005284.D (-1680) (-)

Ion 125.90 (125.60 to 126.60): VX005284.D (-1680) (-)

250000

200000

150000

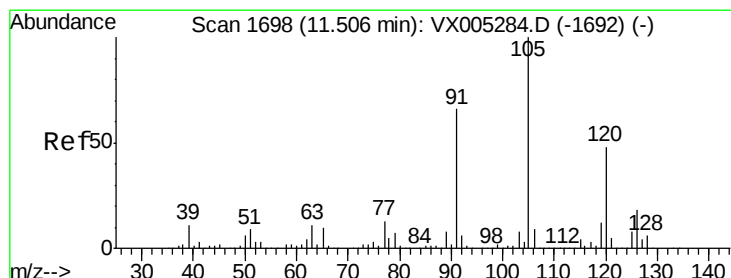
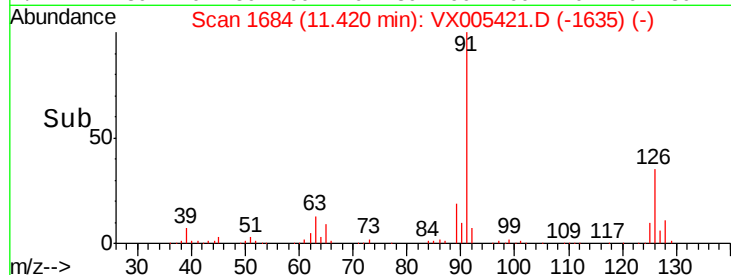
100000

50000

0

11.35 11.40 11.45 11.50

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.771 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX005421.D

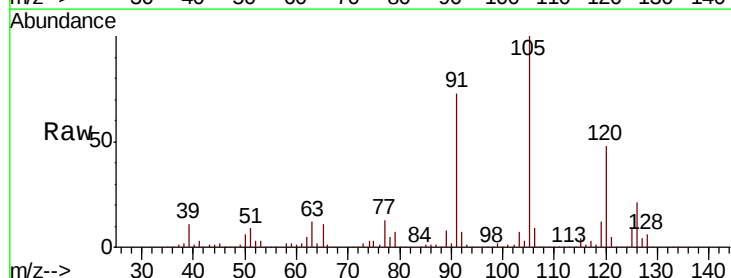
Acq: 18 Oct 2018 11:17

Tgt Ion: 105 Resp: 203402

Ion Ratio Lower Upper

105 100

120 48.9 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): VX005284.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX005284.D (-1692) (-)

200000

150000

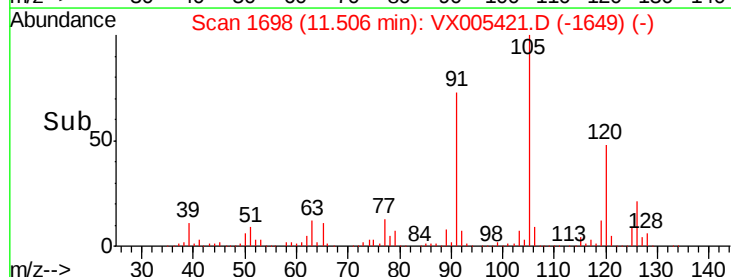
100000

50000

0

11.50 11.51 11.52

Time-->





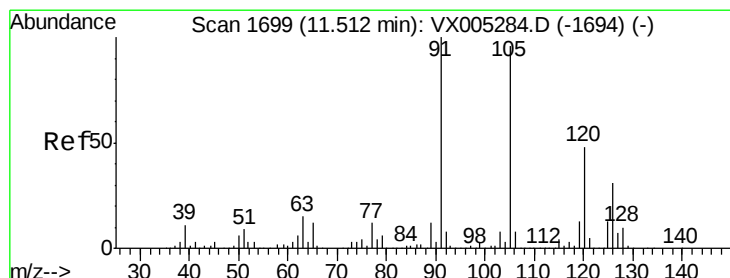
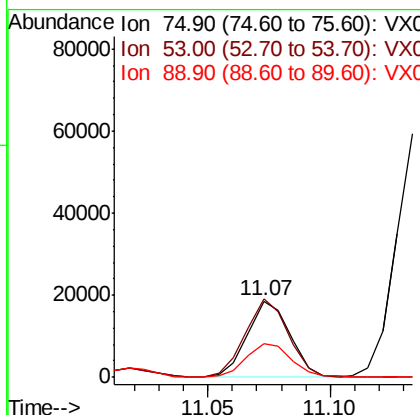
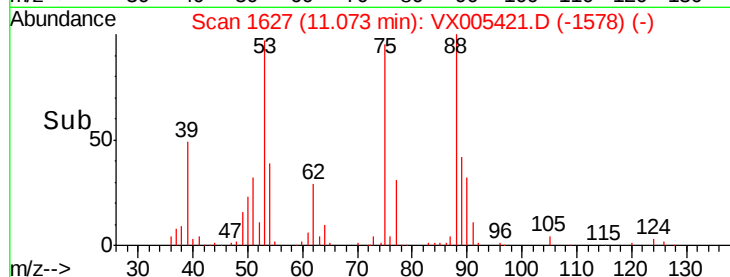
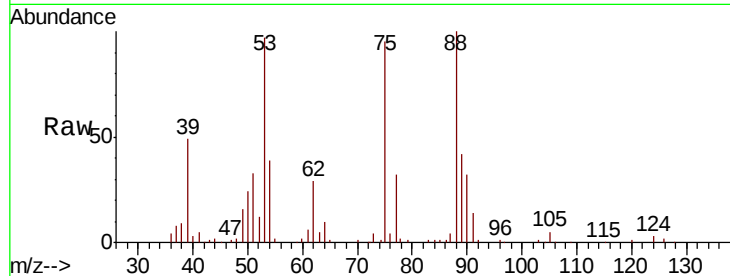
#81
trans-1,4-Dichloro-2-butene
Concen: 18.318 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX005421.D
Acq: 18 Oct 2018 11:17

Instrument :
MSVOA_X
ClientSampleId :
VX1018MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	103.0	80.1	120.1
89	48.4	37.2	55.8

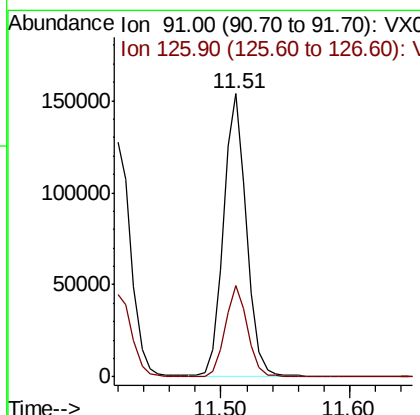
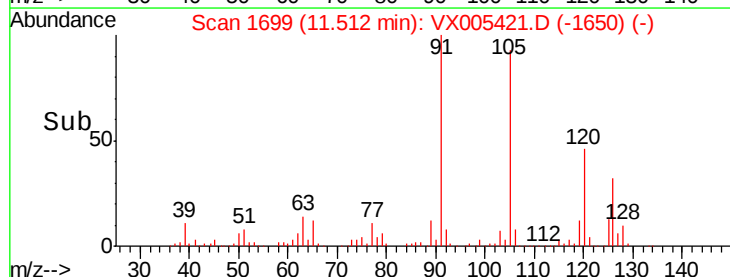
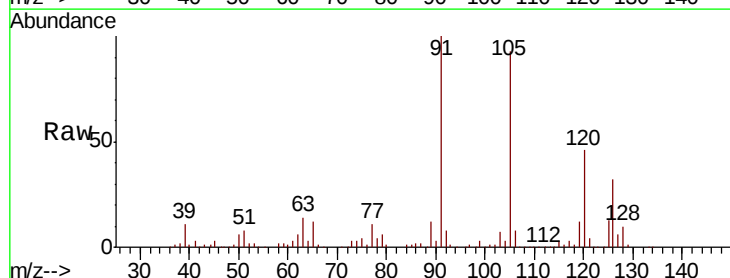
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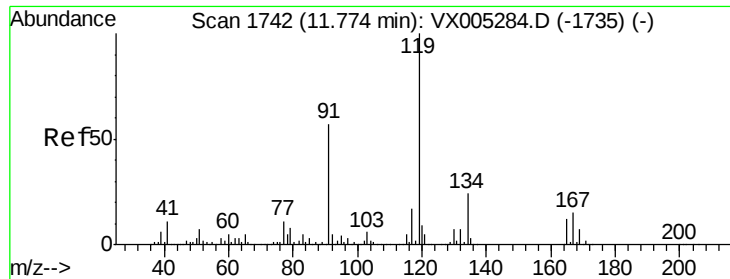
MMDadoda
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#82
4-Chlorotoluene
Concen: 20.221 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX005421.D
Acq: 18 Oct 2018 11:17

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.5	46.5





#83

tert-Butylbenzene

Concen: 20.290 ug/l

RT: 11.77 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX005421.D

Acq: 18 Oct 2018 11:17

Instrument :

MSVOA_X

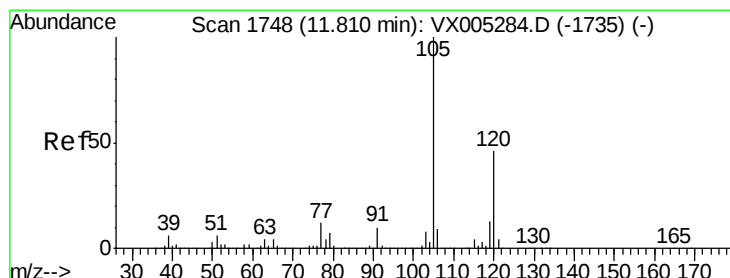
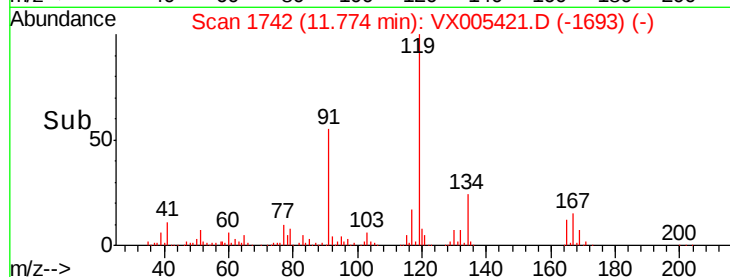
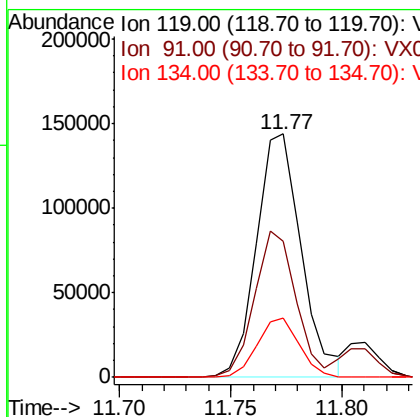
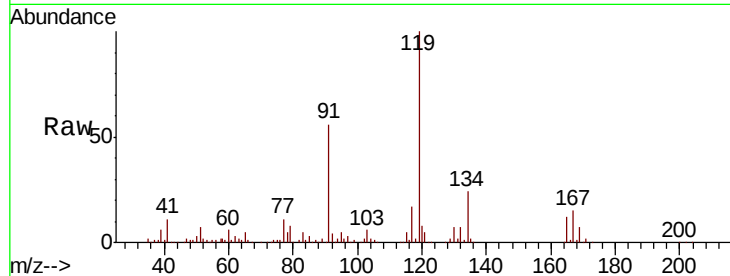
ClientSampleId :

VX1018MBS01

Tot Ion:	119	Resp:	201211
Ion Ratio	Lower	Upper	
119	100		
91	55.4	27.0	81.0
134	23.2	11.7	35.1

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#84

1,2,4-Trimethylbenzene

Concen: 20.638 ug/l

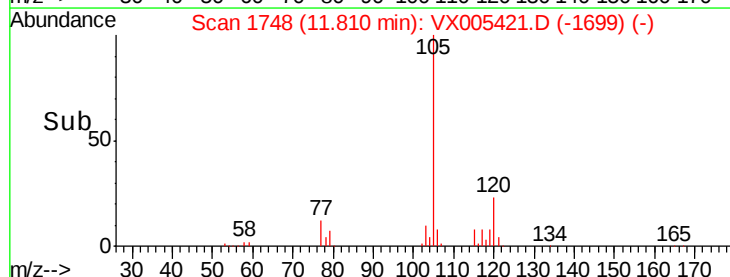
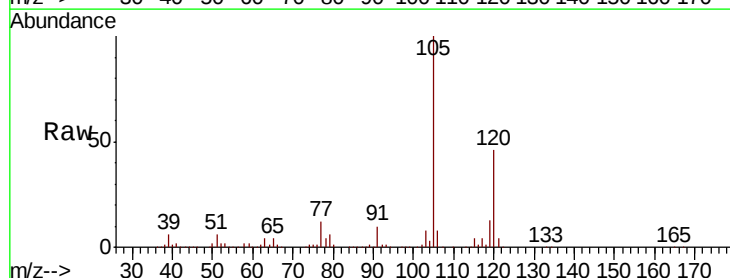
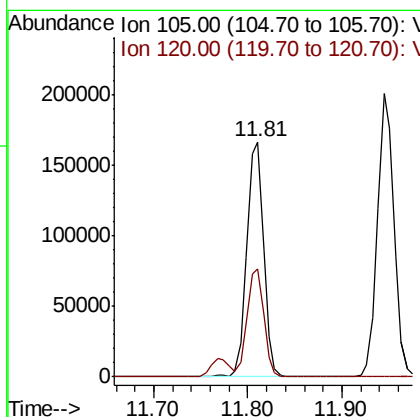
RT: 11.81 min Scan# 1748

Delta R.T. -0.00 min

Lab File: VX005421.D

Acq: 18 Oct 2018 11:17

Tgt Ion:	105	Resp:	207987
Ion Ratio	Lower	Upper	
105	100		
120	45.6	23.2	69.6





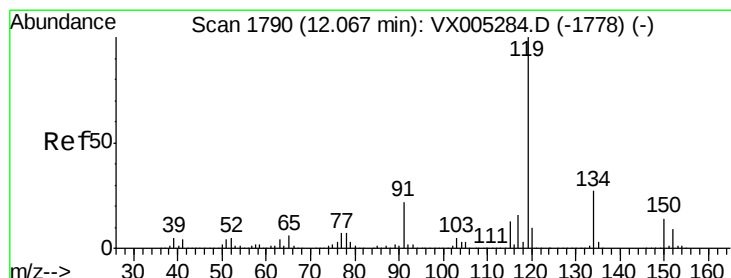
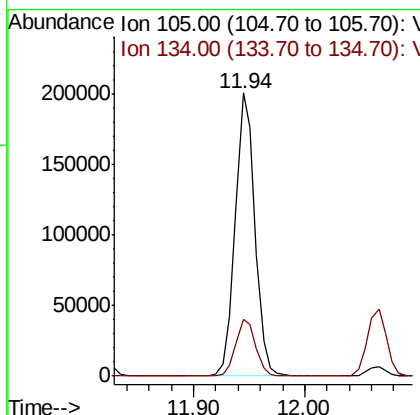
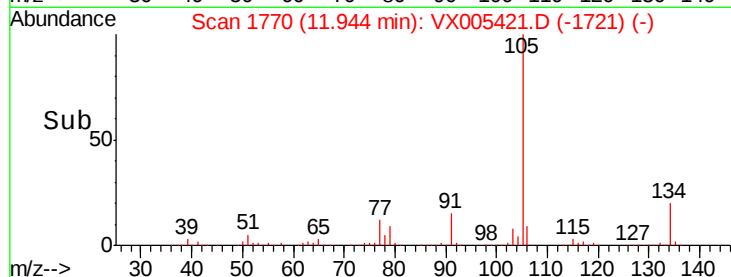
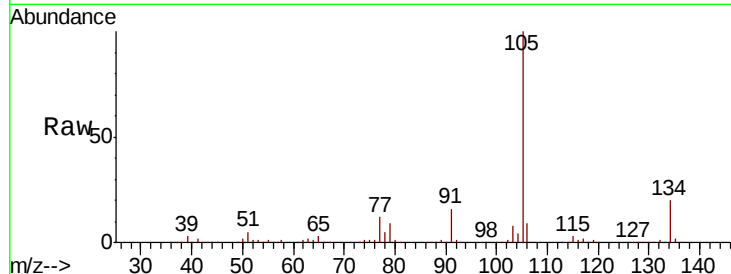
#85
 sec-Butylbenzene
 Concen: 20.829 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX005421.D
 Acq: 18 Oct 2018 11:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1018MBS01

Tot Ion	Ion	Ratio	Lower	Upper
105	105	100		
134	134	20.4	10.5	31.5

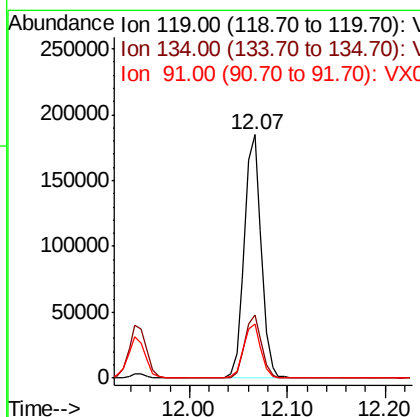
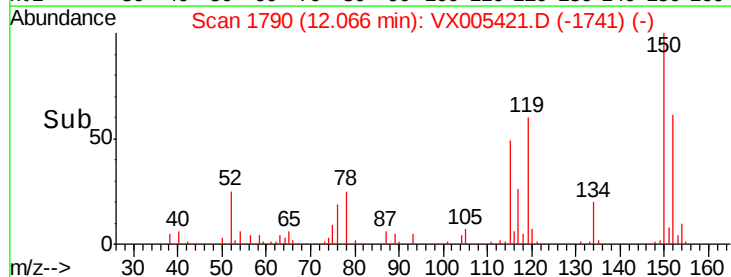
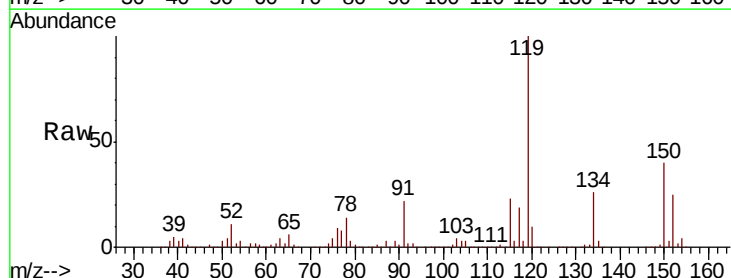
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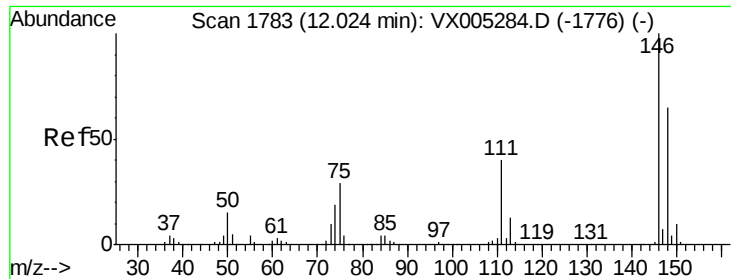
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#86
 p-Isopropyltoluene
 Concen: 20.901 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX005421.D
 Acq: 18 Oct 2018 11:17

Tgt Ion	Ion	Ratio	Lower	Upper
119	119	100		
134	134	26.0	13.4	40.2
91	91	22.9	10.9	32.7





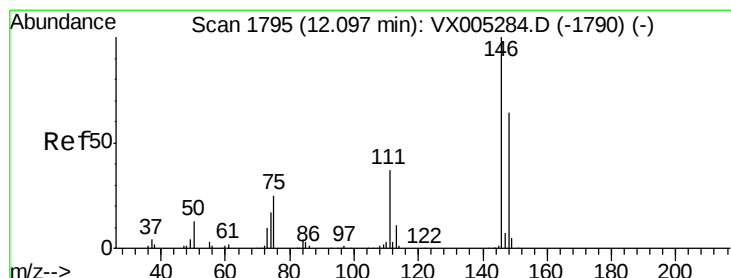
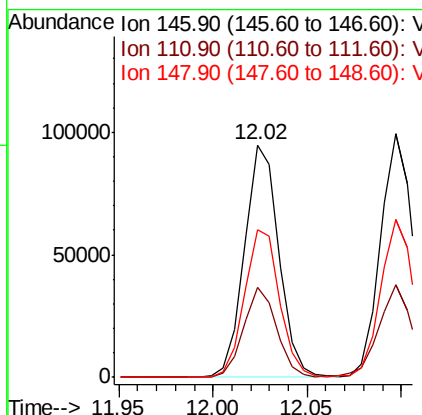
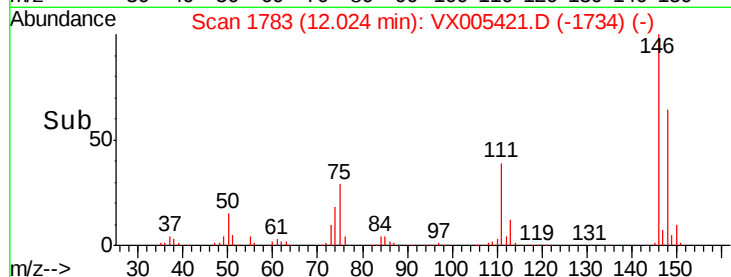
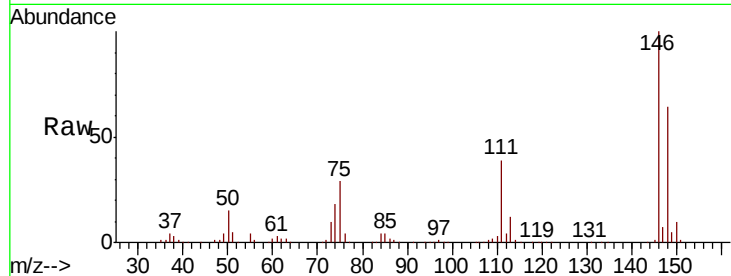
#87
 1,3-Dichlorobenzene
 Concen: 19.661 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX005421.D
 Acq: 18 Oct 2018 11:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1018MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.7	56.1
148	64.8	32.1	96.5

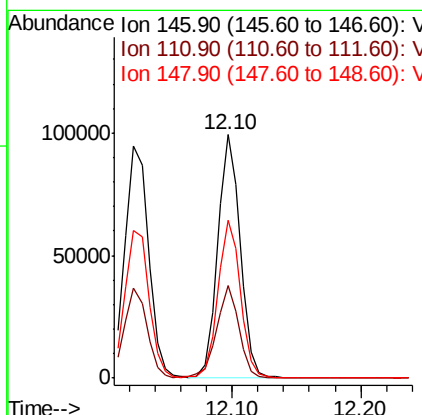
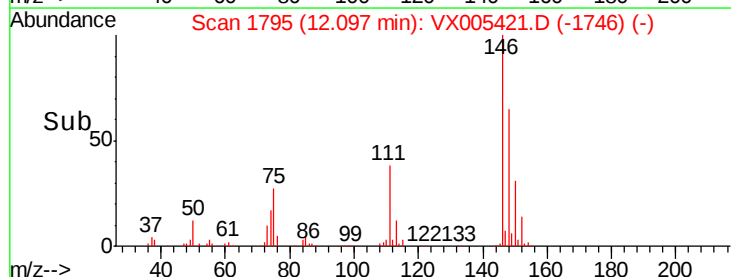
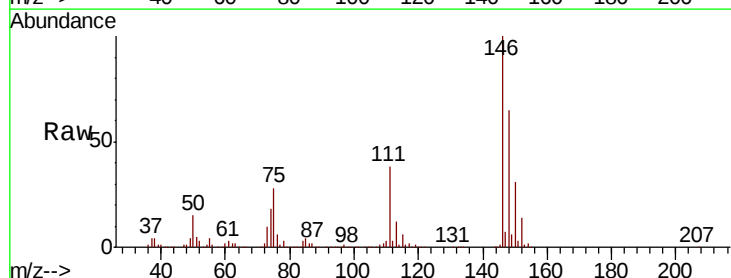
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#88
 1,4-Dichlorobenzene
 Concen: 19.645 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005421.D
 Acq: 18 Oct 2018 11:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.1	54.1
148	65.0	32.0	96.0





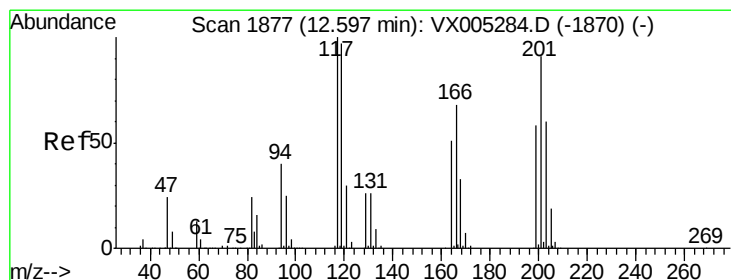
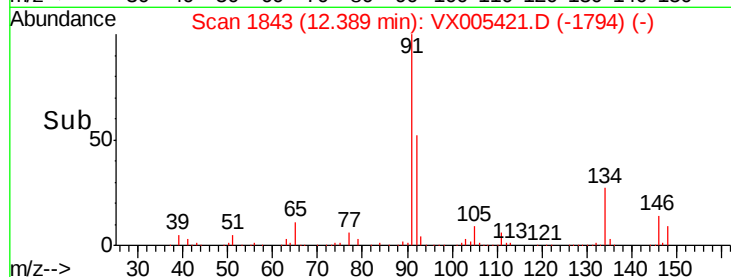
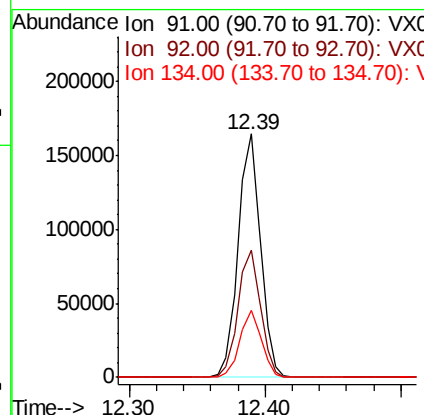
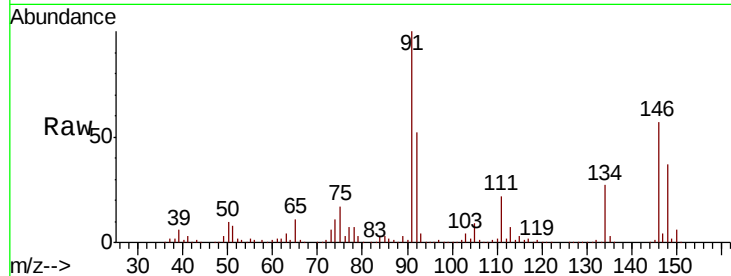
#89
n-Butylbenzene
Concen: 19.574 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005421.D
Acq: 18 Oct 2018 11:17

Instrument :
MSVOA_X
ClientSampleId :
VX1018MBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	188512		
92	52.8	27.3	81.9	
134	26.8	13.6	40.7	

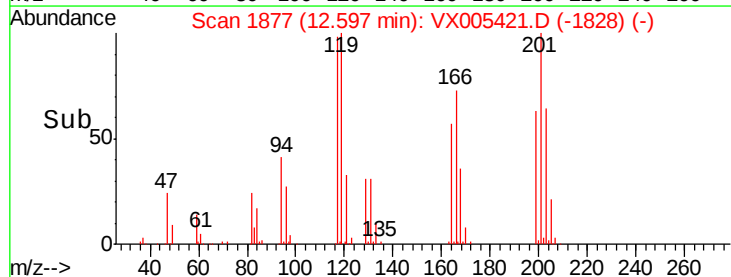
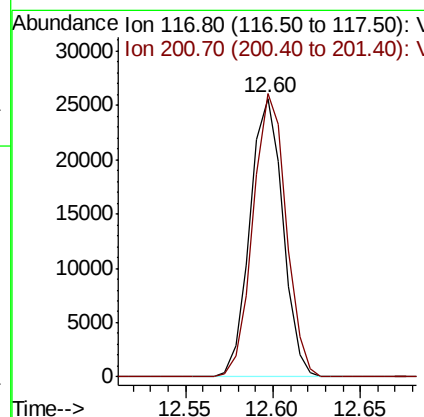
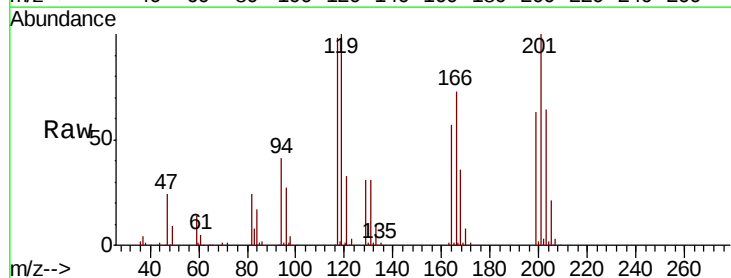
Manual Integrations
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#90
Hexachloroethane
Concen: 18.391 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005421.D
Acq: 18 Oct 2018 11:17

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	33620		
201	102.1	46.9	140.6	





#91

1,2-Dichlorobenzene

Concen: 19.391 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX005421.D

Acq: 18 Oct 2018 11:17

Instrument :

MSVOA_X

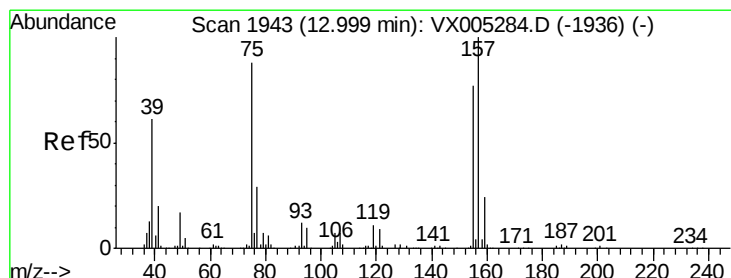
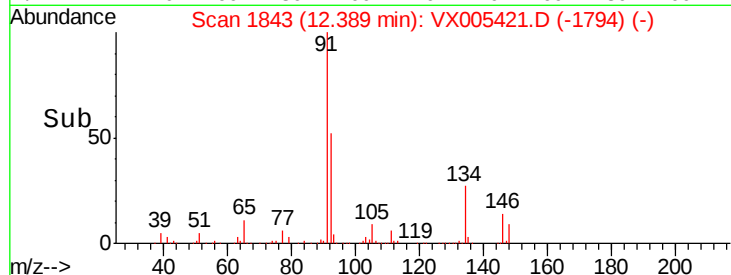
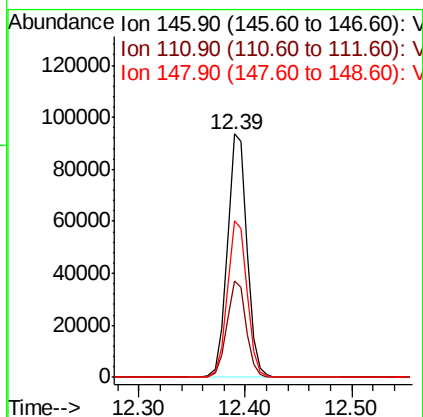
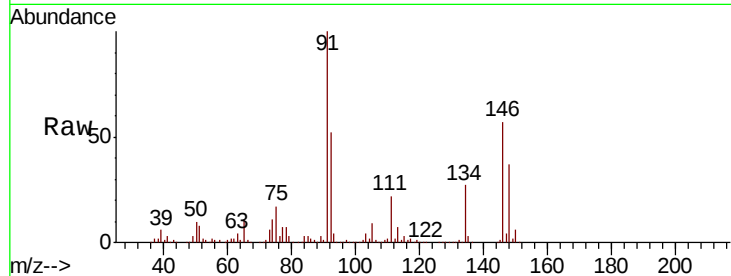
ClientSampleId :

VX1018MBS01

Tot Ion:	146	Resp:	120902
Ion Ratio	Lower	Upper	
146	100		
111	38.9	19.4	58.1
148	64.6	32.8	98.3

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 18.533 ug/l

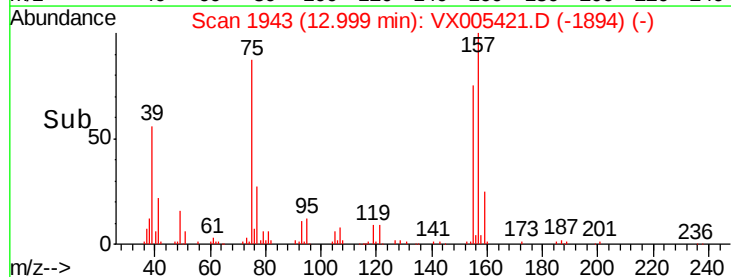
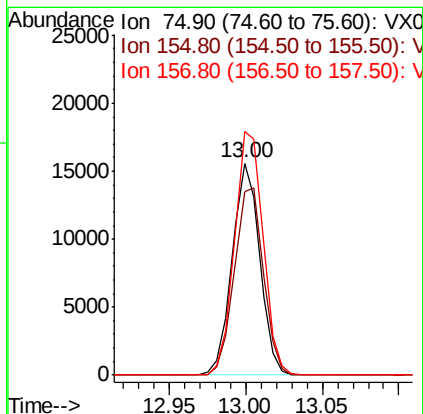
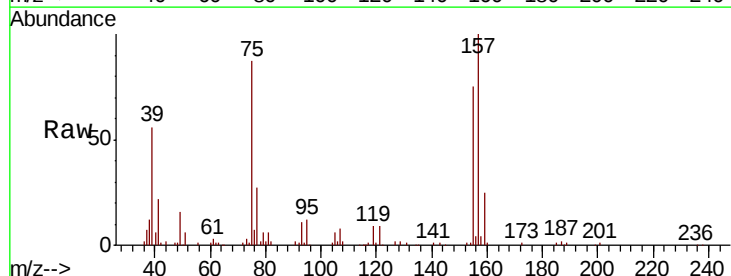
RT: 13.00 min Scan# 1943

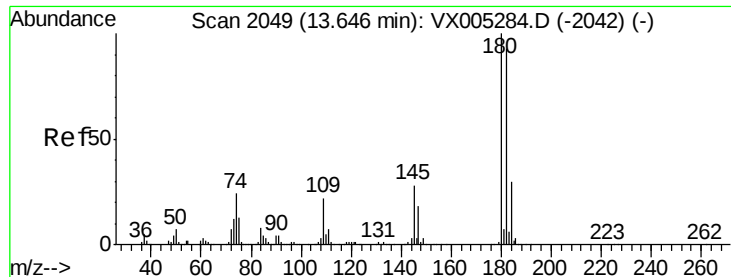
Delta R.T. -0.00 min

Lab File: VX005421.D

Acq: 18 Oct 2018 11:17

Tgt Ion:	75	Resp:	19502
Ion Ratio	Lower	Upper	
75	100		
155	92.6	48.0	144.2
157	119.0	61.4	184.1





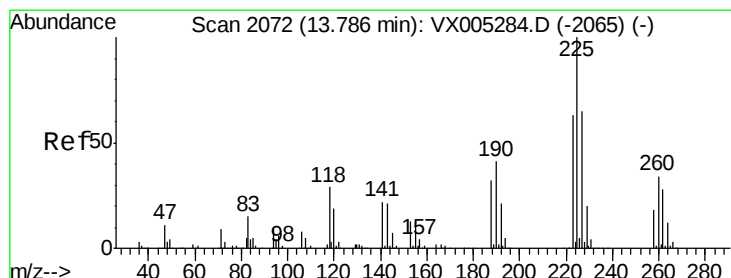
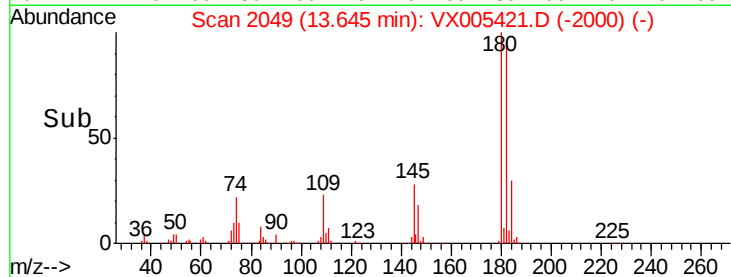
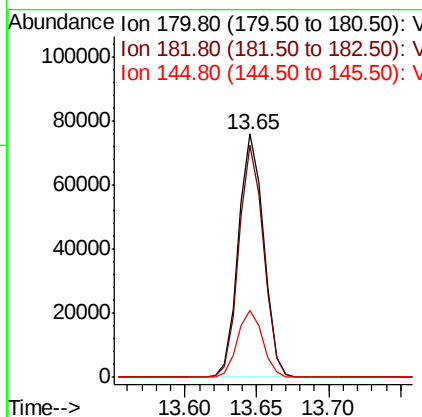
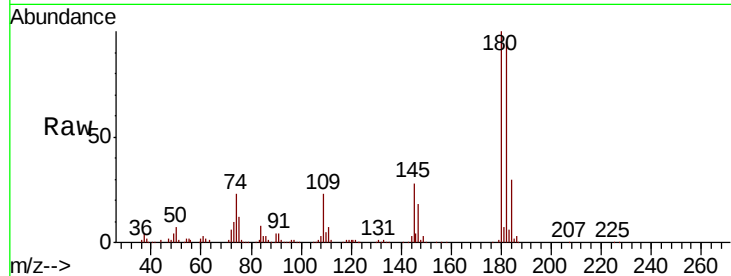
#93
 1,2,4-Trichlorobenzene
 Concen: 20.257 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005421.D
 Acq: 18 Oct 2018 11:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1018MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	92663		
182	93.6	48.4	145.0	
145	27.5	14.3	42.9	

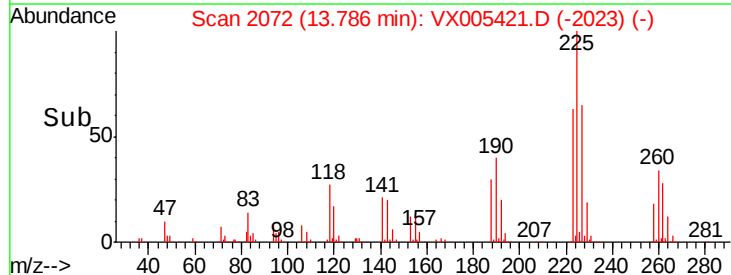
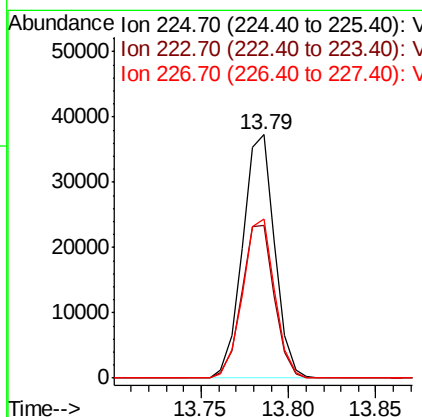
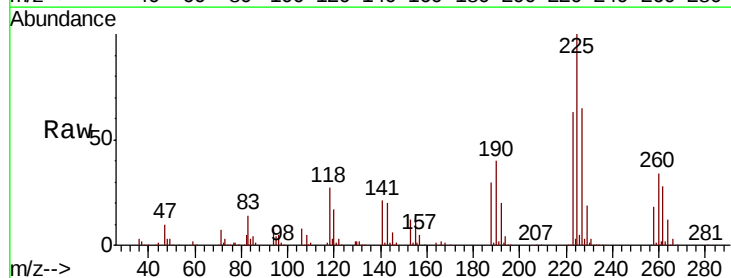
Manual Integrations
 APPROVED

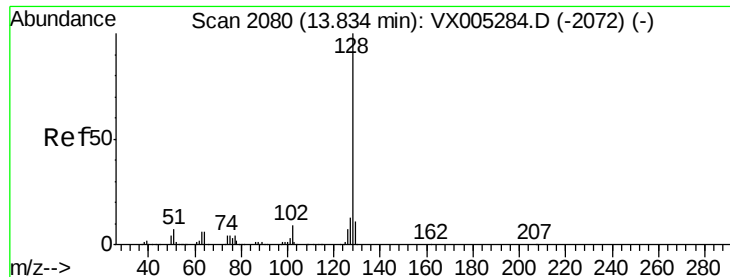
MMDadoda
 10/19/2018 1:51:27 PM



#94
 Hexachlorobutadiene
 Concen: 19.554 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX005421.D
 Acq: 18 Oct 2018 11:17

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	47243		
223	63.7	30.1	90.5	
227	65.2	30.8	92.4	





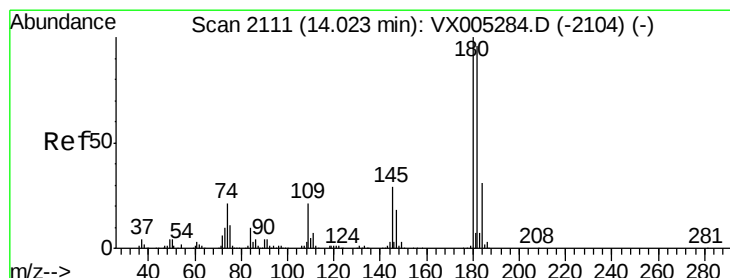
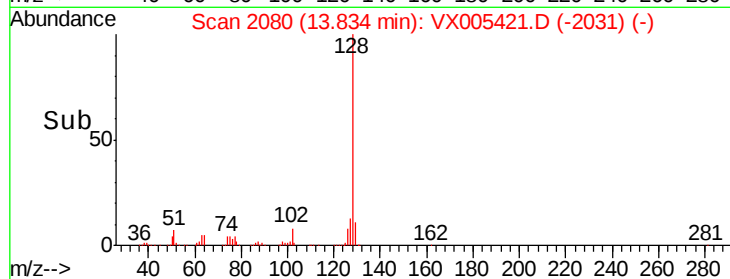
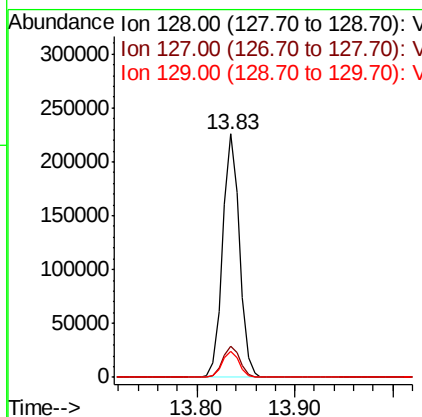
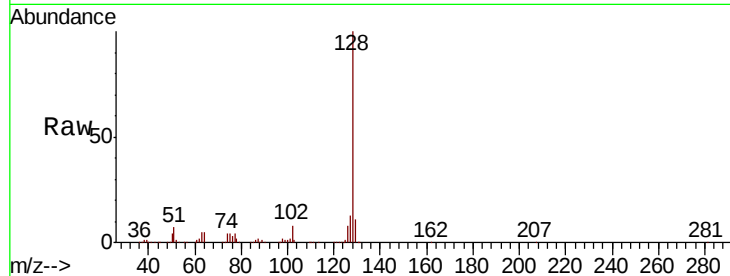
#95
Naphthalene
Concen: 20.221 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX005421.D
Acq: 18 Oct 2018 11:17

Instrument :
MSVOA_X
ClientSampleId :
VX1018MBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.2	15.2
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/19/2018 1:51:27 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.264 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VX005421.D
Acq: 18 Oct 2018 11:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	48.5	145.6
145	29.3	14.9	44.9

