

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091118\
 Data File : VX004472.D
 Acq On : 11 Sep 2018 18:20
 Operator : JC/MD
 Sample : VX0911WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0911WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/12/2018 11:26:43 AM

Quant Time: Sep 12 07:02:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 15:21:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	242409	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	354654	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	339255	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	201080	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	164054	52.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.98%	
35) Dibromofluoromethane	5.50	113	142024	43.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.52%	
50) Toluene-d8	8.72	98	540304	49.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.28%	
62) 4-Bromofluorobenzene	11.14	95	195512	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	52013	22.89	ug/l	99
3) Chloromethane	1.32	50	68343	21.86	ug/l	96
4) Vinyl Chloride	1.40	62	69833	21.76	ug/l	97
5) Bromomethane	1.64	94	37997	27.75	ug/l	100
6) Chloroethane	1.71	64	42533	20.50	ug/l	99
7) Trichlorofluoromethane	1.92	101	88778	20.87	ug/l	94
8) Diethyl Ether	2.19	74	40179	21.07	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.38	101	56793	21.04	ug/l	100
10) Methyl Iodide	2.51	142	48777	18.09	ug/l	100
11) Tert butyl alcohol	3.07	59	80405	107.81	ug/l	99
12) 1,1-Dichloroethene	2.37	96	56085	22.14	ug/l	90
13) Acrolein	2.29	56	34836	118.33	ug/l	94
14) Allyl chloride	2.73	41	111080	21.33	ug/l	95
15) Acrylonitrile	3.15	53	191192	106.45	ug/l	99
16) Acetone	2.45	43	156920	102.86	ug/l	96
17) Carbon Disulfide	2.57	76	154394	21.09	ug/l	98
18) Methyl Acetate	2.78	43	90323	21.10	ug/l	97
19) Methyl tert-butyl Ether	3.21	73	189597	21.33	ug/l	96
20) Methylene Chloride	2.85	84	64006	20.45	ug/l	90
21) trans-1,2-Dichloroethene	3.16	96	59512	21.26	ug/l	100
22) Diisopropyl ether	3.87	45	202446	21.59	ug/l	92
23) Vinyl Acetate	3.82	43	830909	109.48	ug/l #	94
24) 1,1-Dichloroethane	3.70	63	115995	21.91	ug/l	97
25) 2-Butanone	4.71	43	243999	100.50	ug/l	97
26) 2,2-Dichloropropane	4.57	77	74854	20.58	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	65367	20.92	ug/l	97
28) Bromochloromethane	5.02	49	56293	23.24	ug/l	92
29) Tetrahydrofuran	5.16	42	160245	109.44	ug/l	96
30) Chloroform	5.22	83	107473	20.79	ug/l	92
31) Cyclohexane	5.58	56	95160	21.05	ug/l	89
32) 1,1,1-Trichloroethane	5.49	97	86262	20.72	ug/l	99
36) 1,1-Dichloropropene	5.80	75	76955	17.87	ug/l	99
37) Ethyl Acetate	4.86	43	92477	18.88	ug/l	97
38) Carbon Tetrachloride	5.78	117	73566	17.49	ug/l	95

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Quant Time: Sep 12 07:02:14 2018
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 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 15:21:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	90250	20.09	ug/l	94
40) Benzene	6.14	78	243890	19.09	ug/l	100
41) Methacrylonitrile	5.07	41	51363	19.04	ug/l	100
42) 1,2-Dichloroethane	6.20	62	80634	19.03	ug/l	99
43) Isopropyl Acetate	6.46	43	128690	19.79	ug/l	99
44) Trichloroethene	7.21	130	64640	19.48	ug/l	91
45) 1,2-Dichloropropane	7.52	63	62163	20.22	ug/l	100
46) Dibromomethane	7.66	93	39958	20.58	ug/l	97
47) Bromodichloromethane	7.90	83	72643	19.78	ug/l	100
48) Methyl methacrylate	7.78	41	66496	20.66	ug/l	97
49) 1,4-Dioxane	7.76	88	31643	415.34	ug/l	95
51) 4-Methyl-2-Pentanone	8.65	43	440932	96.06	ug/l	97
52) Toluene	8.79	92	148041	19.67	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	80098	18.67	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	89118	20.38	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	60037	18.53	ug/l	97
56) Ethyl methacrylate	9.18	69	86134	18.79	ug/l	98
57) 1,3-Dichloropropane	9.37	76	101482	19.27	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	230195	102.95	ug/l	94
59) 2-Hexanone	9.50	43	339016	96.29	ug/l	96
60) Dibromochloromethane	9.59	129	58624	19.21	ug/l	100
61) 1,2-Dibromoethane	9.68	107	62019	20.03	ug/l	99
64) Tetrachloroethene	9.34	164	74178	17.51	ug/l	98
65) Chlorobenzene	10.14	112	163553	19.41	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.23	131	56879	19.57	ug/l	100
67) Ethyl Benzene	10.26	91	274560	20.04	ug/l	98
68) m/p-Xylenes	10.36	106	215470	40.82	ug/l	97
69) o-Xylene	10.70	106	102919	20.28	ug/l	99
70) Styrene	10.71	104	171825	20.44	ug/l	98
71) Bromoform	10.86	173	44766	18.76	ug/l #	99
73) Isopropylbenzene	11.02	105	277584	20.96	ug/l	99
74) N-amyl acetate	10.90	43	113572	20.38	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.27	83	86674	20.29	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	82148m	20.91	ug/l	
77) Bromobenzene	11.26	156	74553	20.37	ug/l	97
78) n-propylbenzene	11.36	91	319441	20.98	ug/l	99
79) 2-Chlorotoluene	11.42	91	190259	20.60	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	233121	20.94	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.08	75	24549	19.34	ug/l	97
82) 4-Chlorotoluene	11.51	91	223237	20.71	ug/l	100
83) tert-Butylbenzene	11.77	119	219999	20.76	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	242836	21.36	ug/l	98
85) sec-Butylbenzene	11.94	105	283131	20.96	ug/l	98
86) p-Isopropyltoluene	12.07	119	250855	21.03	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	137184	20.09	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	137952	19.55	ug/l	98
89) n-Butylbenzene	12.39	91	213233	19.62	ug/l	98
90) Hexachloroethane	12.60	117	37353	19.56	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	136081	19.69	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	18726	20.53	ug/l	98

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Instrument :
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ClientSampleId :
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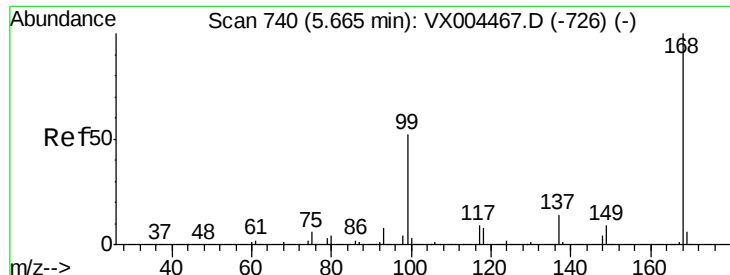
Manual Integrations
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	97054	19.83	ug/l	99
94) Hexachlorobutadiene	13.79	225	49056	19.19	ug/l	97
95) Naphthalene	13.83	128	285211	20.78	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	99261	19.74	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX004472.D

Acq: 11 Sep 2018 18:20

Instrument :

MSVOA_X

ClientSampleId :

VX0911WBS01

Tot Ion:168 Resp: 242409

Ion Ratio Lower Upper

168 100

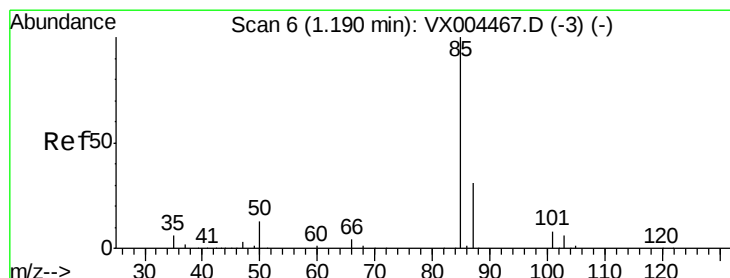
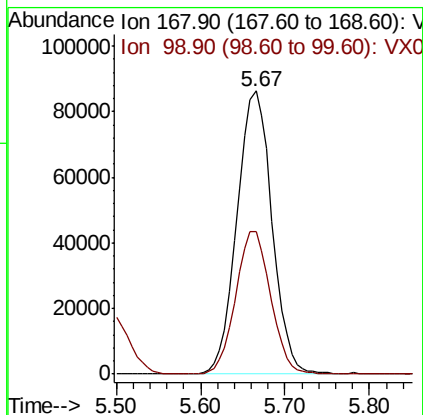
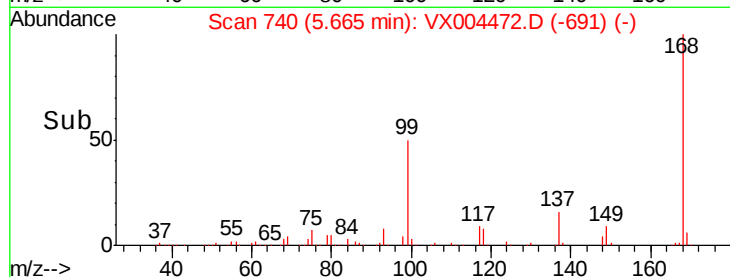
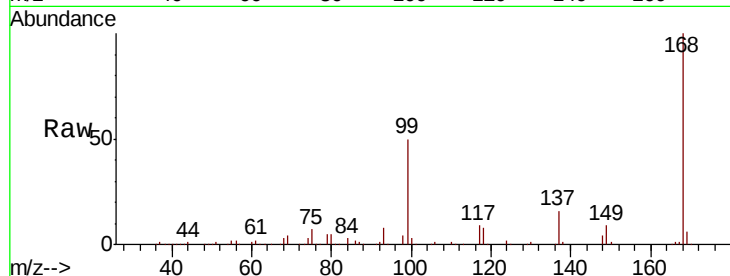
99 50.3 39.9 59.9

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#2

Dichlorodifluoromethane

Concen: 22.89 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.01 min

Lab File: VX004472.D

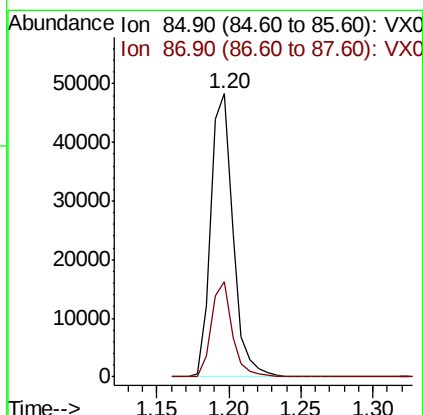
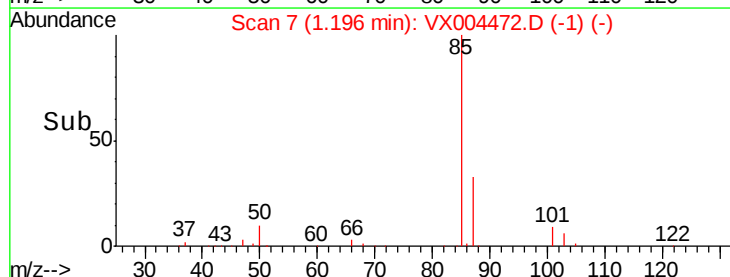
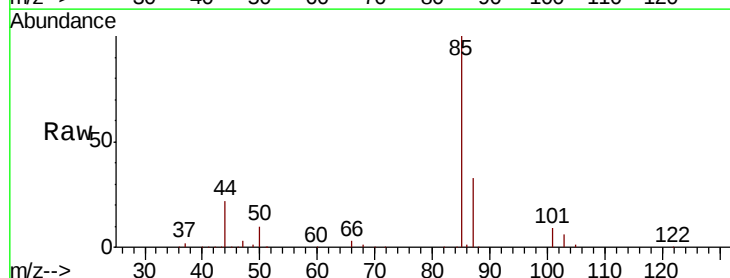
Acq: 11 Sep 2018 18:20

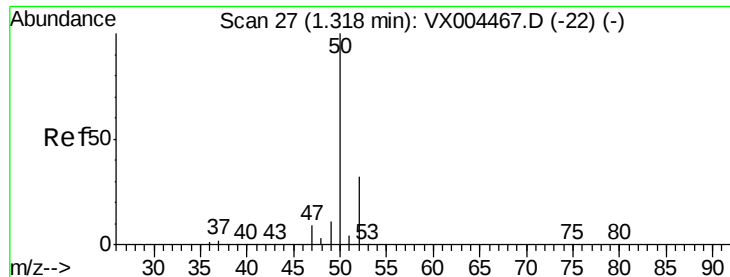
Tgt Ion: 85 Resp: 52013

Ion Ratio Lower Upper

85 100

87 33.5 17.0 50.9





#3

Chloromethane

Concen: 21.86 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004472.D

Acq: 11 Sep 2018 18:20

Instrument :

MSVOA_X

ClientSampleId :

VX0911WBS01

Tot Ion: 50 Resp: 68343

Ion Ratio Lower Upper

50 100

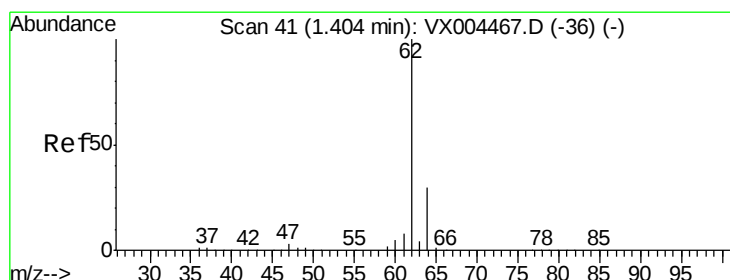
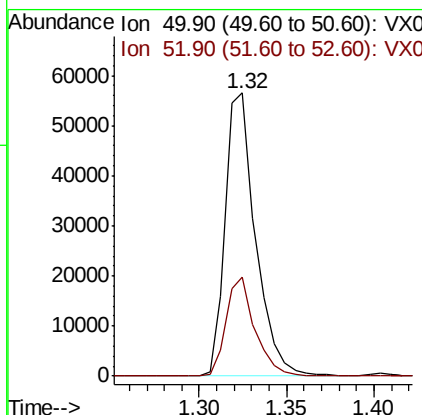
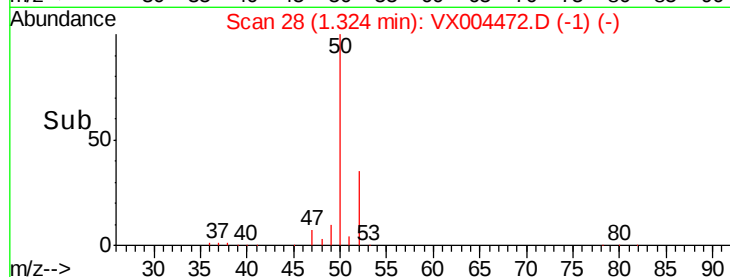
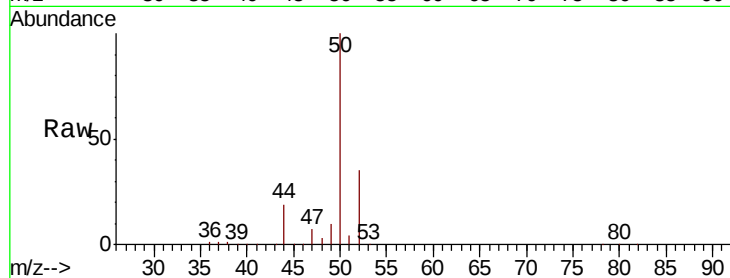
52 34.9 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.76 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX004472.D

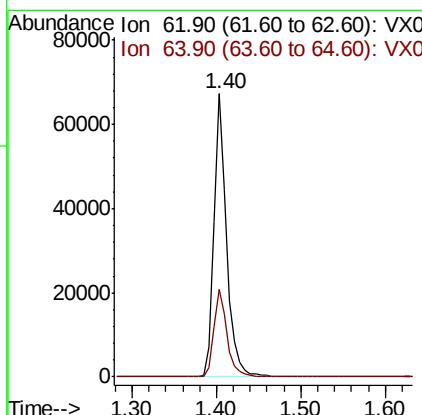
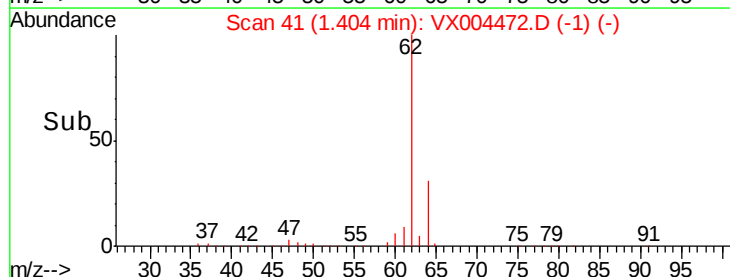
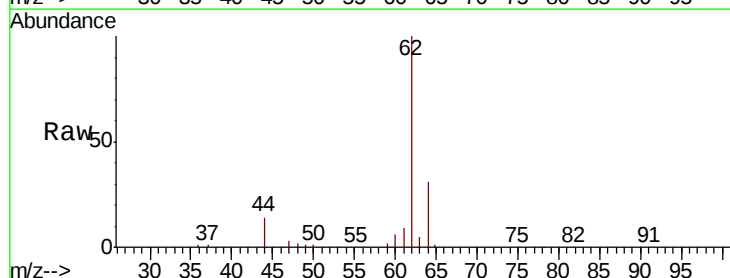
Acq: 11 Sep 2018 18:20

Tgt Ion: 62 Resp: 69833

Ion Ratio Lower Upper

62 100

64 30.8 25.8 38.8





#5

Bromomethane

Concen: 27.75 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004472.D

Acq: 11 Sep 2018 18:20

Instrument :

MSVOA_X

ClientSampled :

VX0911WBS01

Tot Ion: 94 Resp: 37997

Ion Ratio Lower Upper

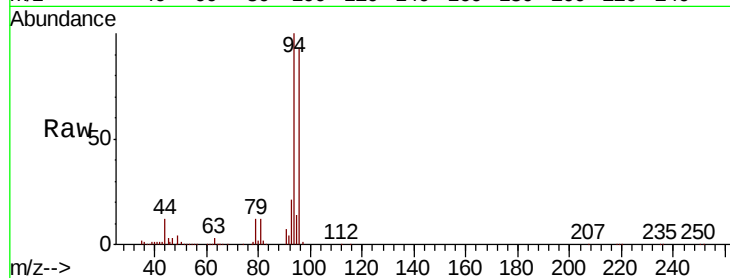
94 100

96 93.0 74.5 111.7

Manual Integrations
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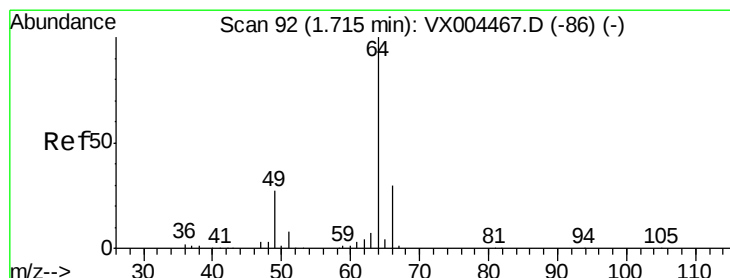
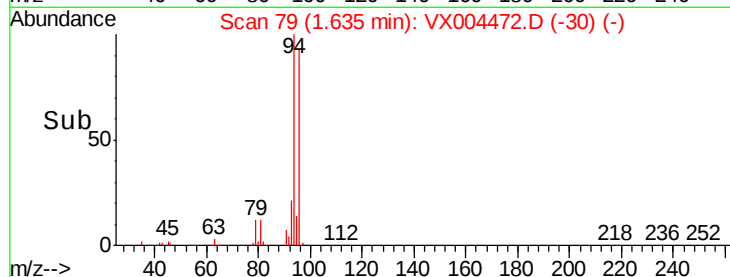
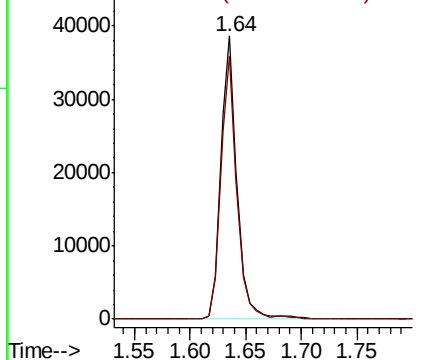
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 20.50 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX004472.D

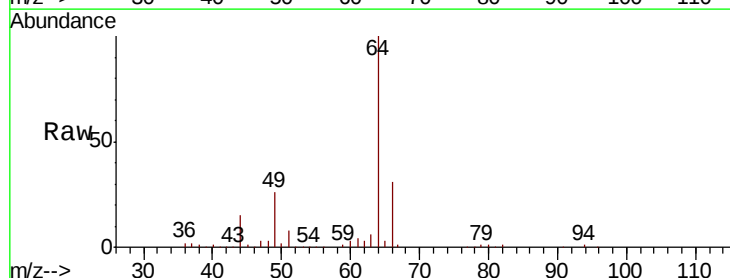
Acq: 11 Sep 2018 18:20

Tgt Ion: 64 Resp: 42533

Ion Ratio Lower Upper

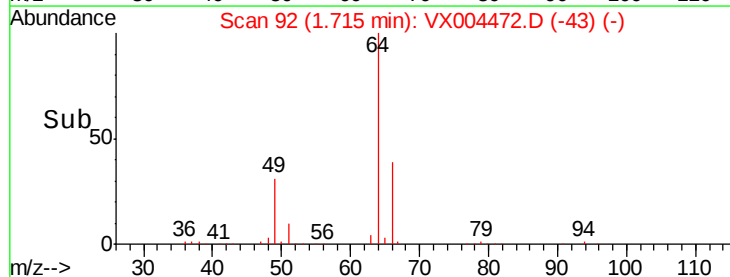
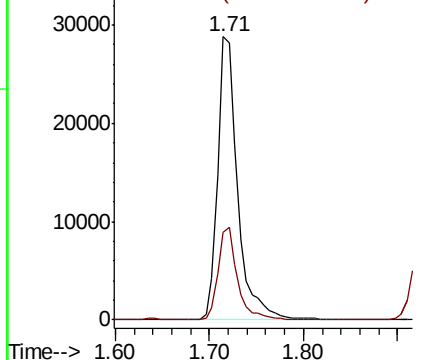
64 100

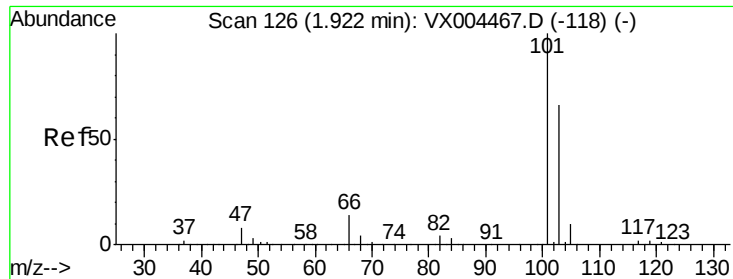
66 31.1 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

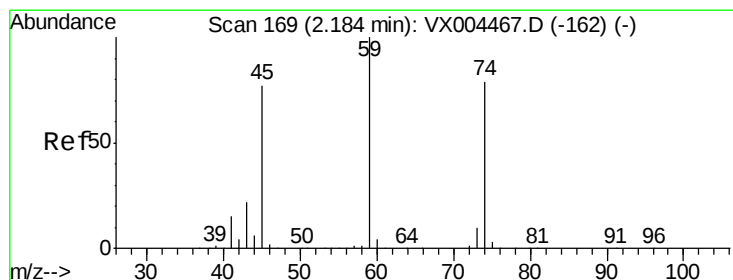
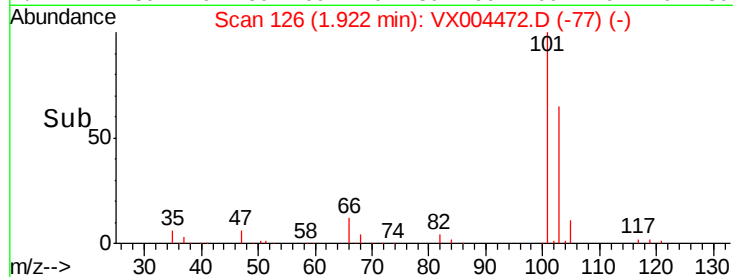
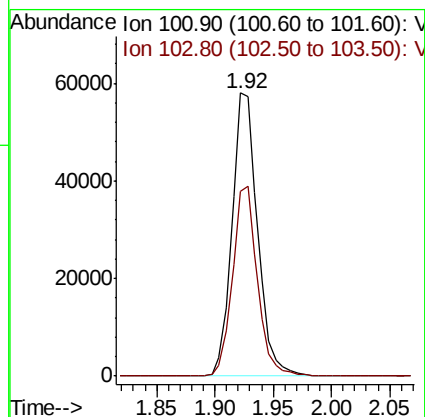
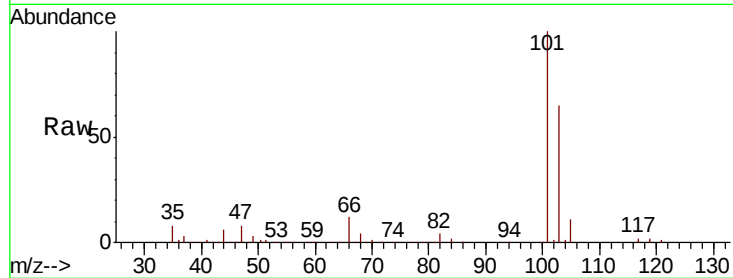
Trichlorofluoromethane
 Concen: 20.87 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. -0.00 min
 Lab File: VX004472.D
 Acq: 11 Sep 2018 18:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0911WBS01

Tot Ion:101 Resp: 88778
 Ion Ratio Lower Upper
 101 100
 103 65.5 48.9 73.3

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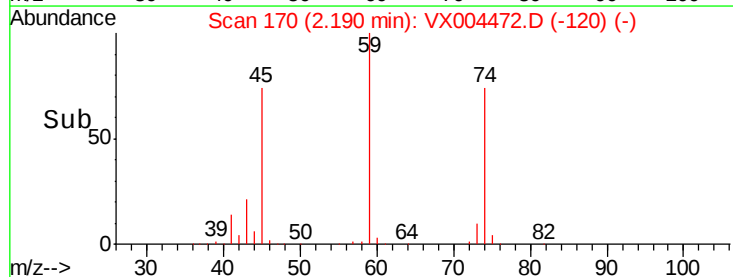
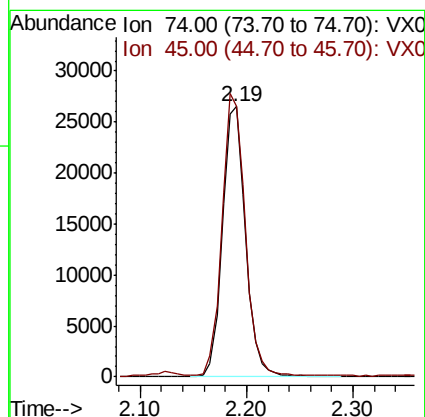
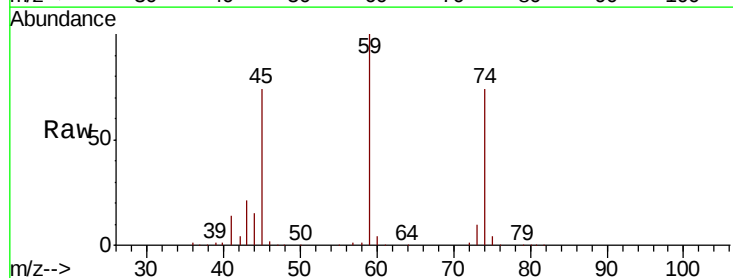
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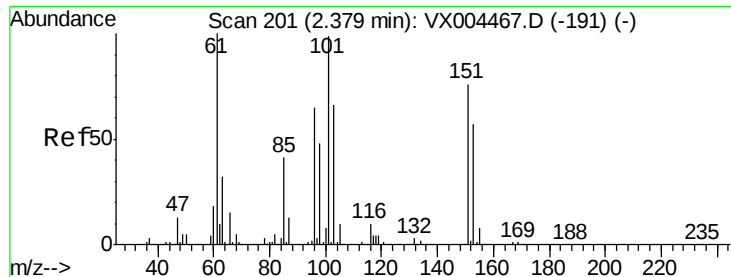


#8

Diethyl Ether
 Concen: 21.07 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX004472.D
 Acq: 11 Sep 2018 18:20

Tgt Ion: 74 Resp: 40179
 Ion Ratio Lower Upper
 74 100
 45 103.2 48.3 144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.04 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX004472.D

Acq: 11 Sep 2018 18:20

Instrument :

MSVOA_X

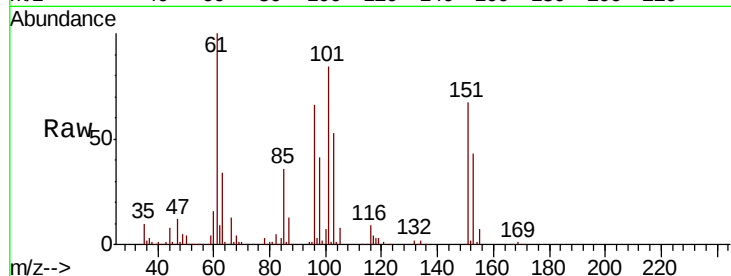
ClientSampleId :

VX0911WBS01

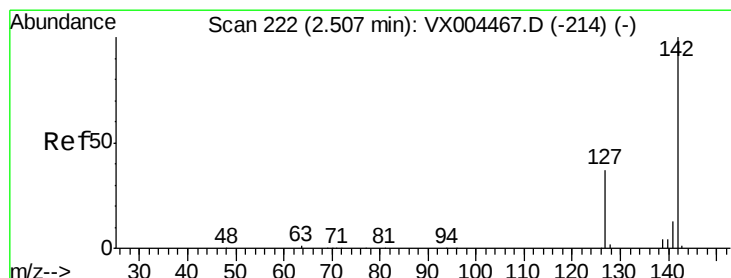
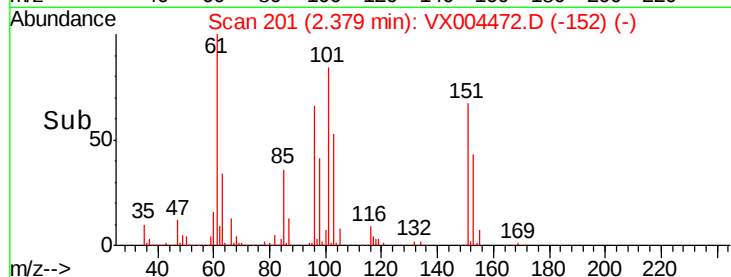
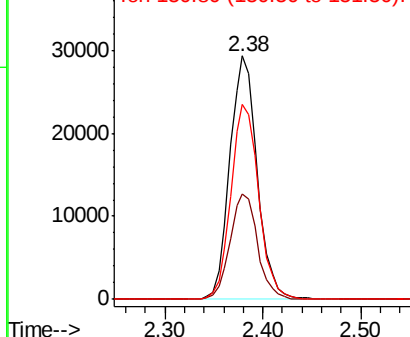
Tot Ion:	101	Resp:	56793
Ion Ratio	Lower	Upper	
101	100		
85	43.5	34.2	51.4
151	81.2	65.0	97.6

Manual Integrations
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9/12/2018 11:26:43 AM



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



#10

Methyl Iodide

Concen: 18.09 ug/l

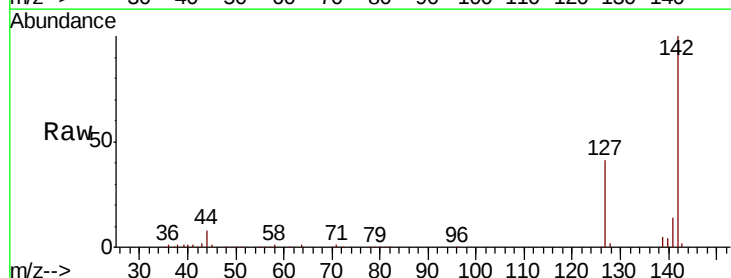
RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

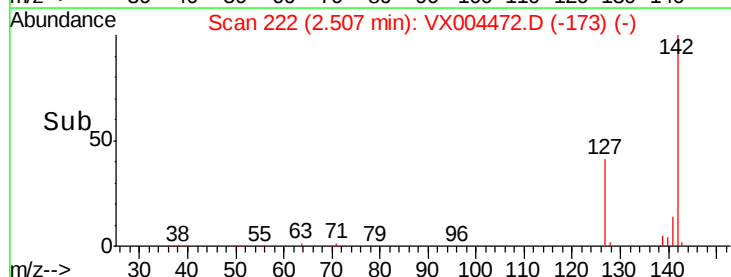
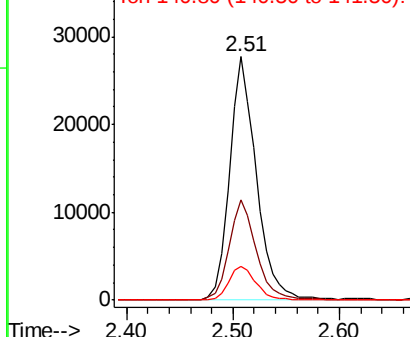
Lab File: VX004472.D

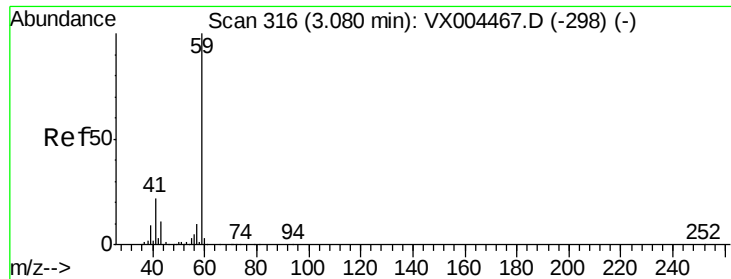
Acq: 11 Sep 2018 18:20

Tgt Ion:	142	Resp:	48777
Ion Ratio	Lower	Upper	
142	100		
127	41.9	33.8	50.6
141	14.2	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





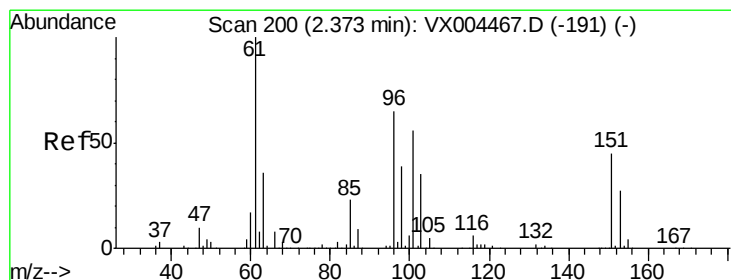
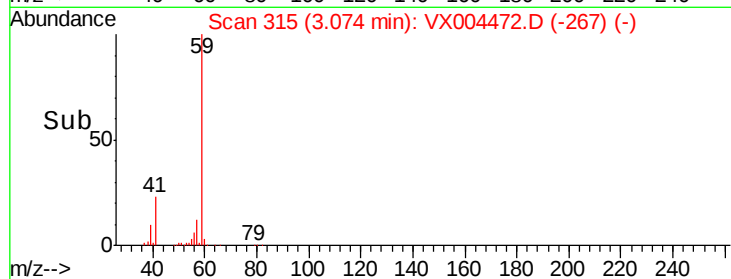
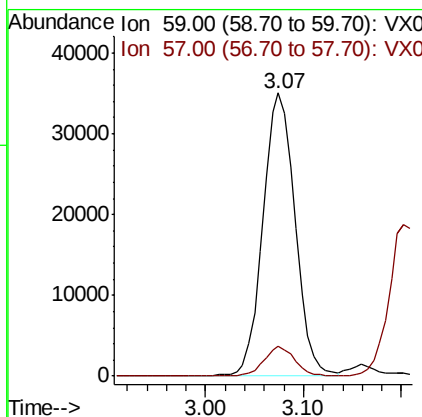
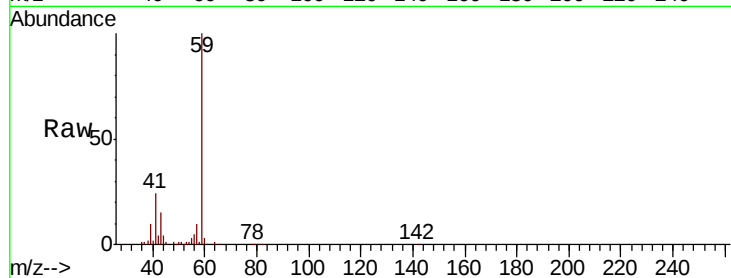
#11
Tert butyl alcohol
Concen: 107.81 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX004472.D
Acq: 11 Sep 2018 18:20

Instrument :
MSVOA_X
ClientSampleId :
VX0911WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.2	12.4

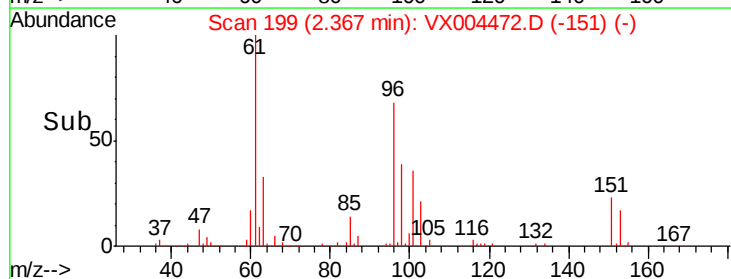
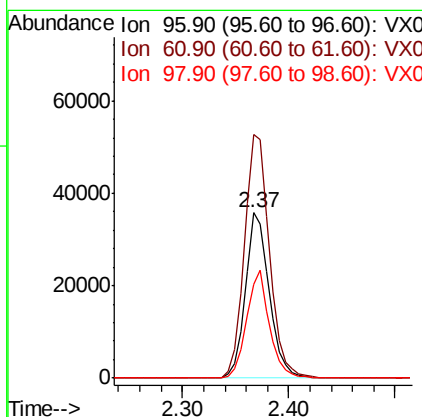
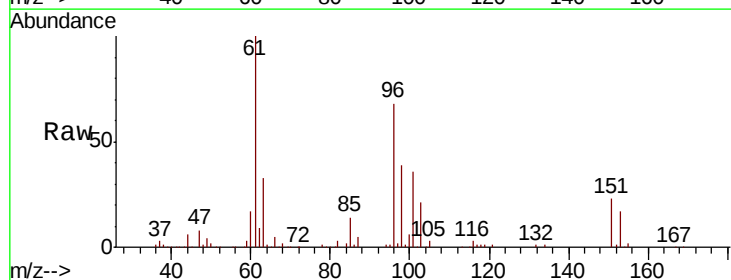
Manual Integrations
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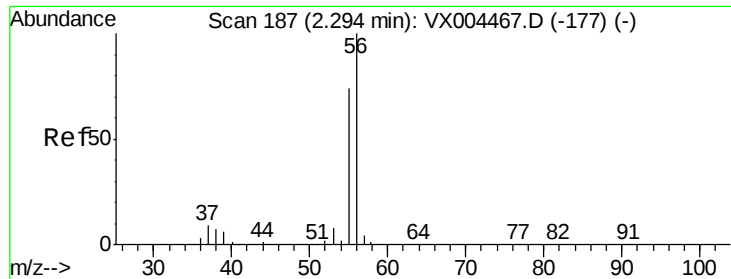
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#12
1,1-Dichloroethene
Concen: 22.14 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX004472.D
Acq: 11 Sep 2018 18:20

Tgt Ion	Ratio	Lower	Upper
96	100		
61	147.6	128.8	193.2
98	56.9	52.2	78.2





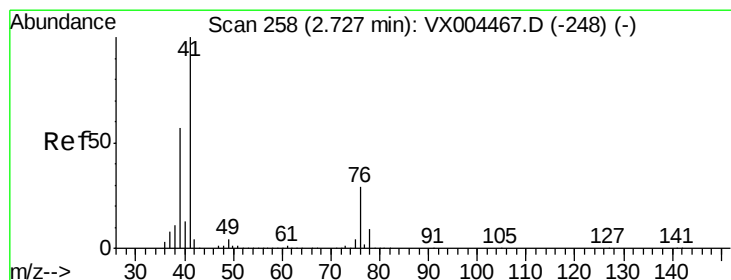
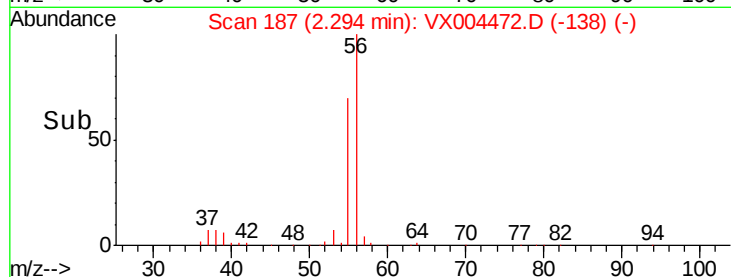
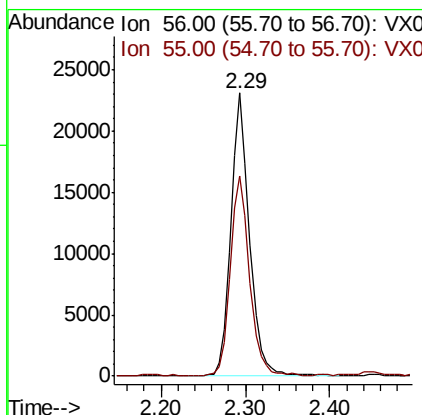
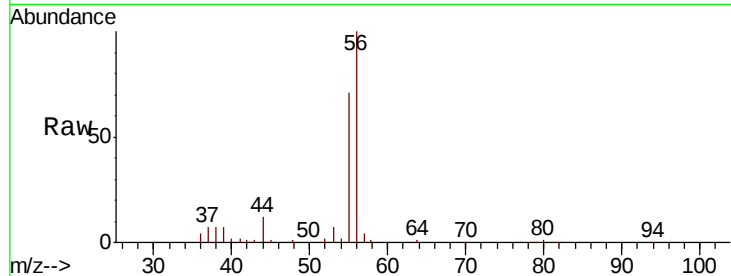
#13
Acrolein
Concen: 118.33 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX004472.D
Acq: 11 Sep 2018 18:20

Instrument :
MSVOA_X
ClientSampleId :
VX0911WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
55	73.4	54.7	82.1

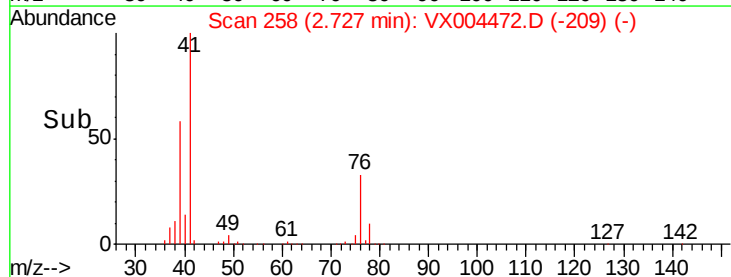
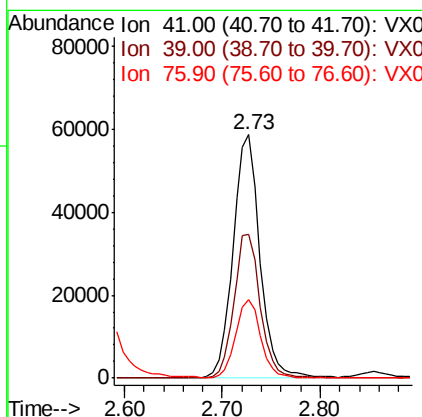
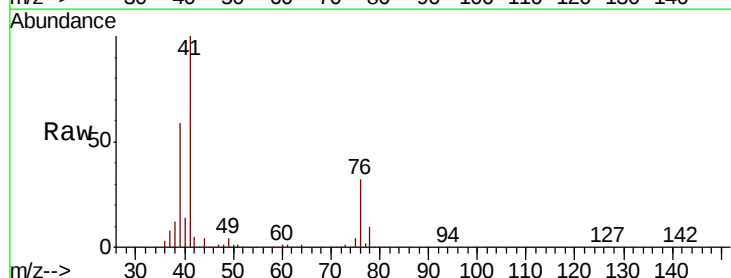
Manual Integrations
APPROVED

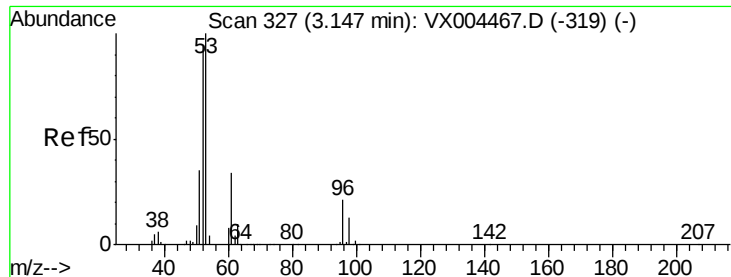
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#14
Allyl chloride
Concen: 21.33 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX004472.D
Acq: 11 Sep 2018 18:20

Tgt Ion	Ratio	Lower	Upper
41	100		
39	57.6	48.9	73.3
76	30.8	26.7	40.1





#15

Acrylonitrile

Concen: 106.45 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX004472.D

Acq: 11 Sep 2018 18:20

Instrument :

MSVOA_X

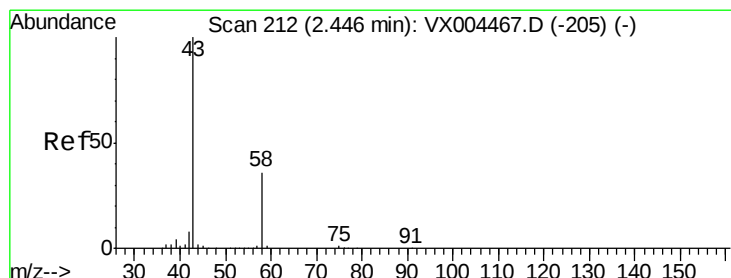
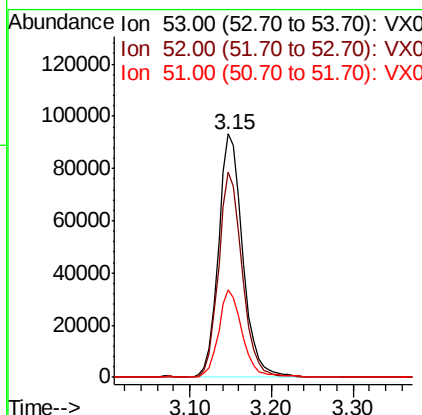
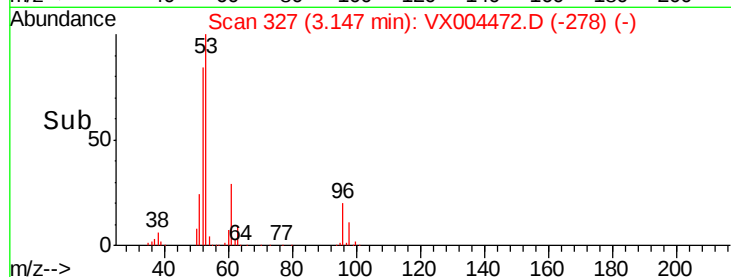
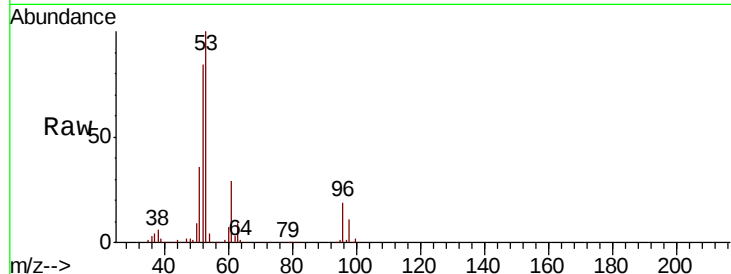
ClientSampleId :

VX0911WBS01

Tot Ion:	53	Resp:	191192
Ion Ratio		Lower	Upper
53	100		
52	83.1	65.2	97.8
51	35.6	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 102.86 ug/l

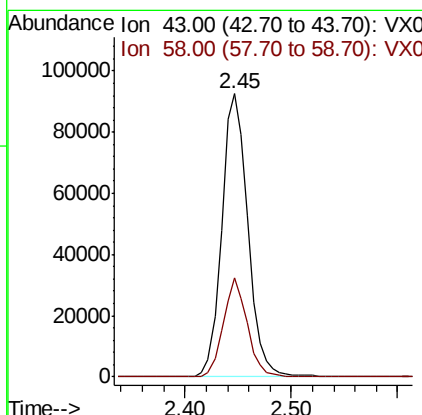
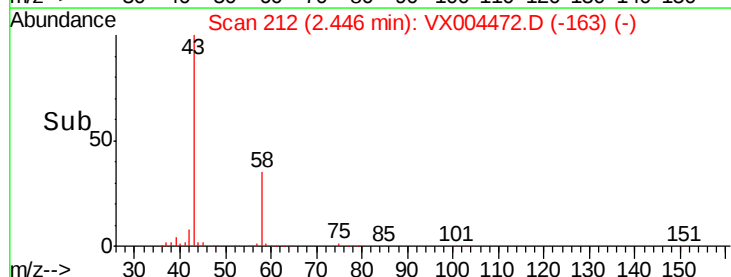
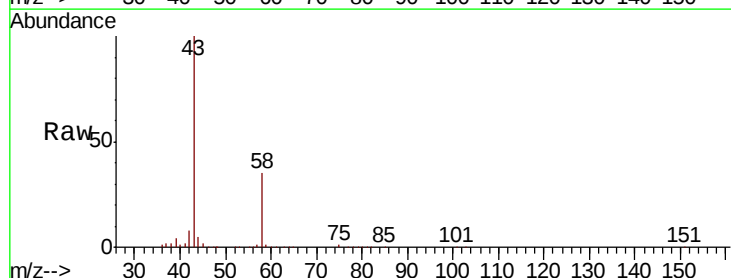
RT: 2.45 min Scan# 212

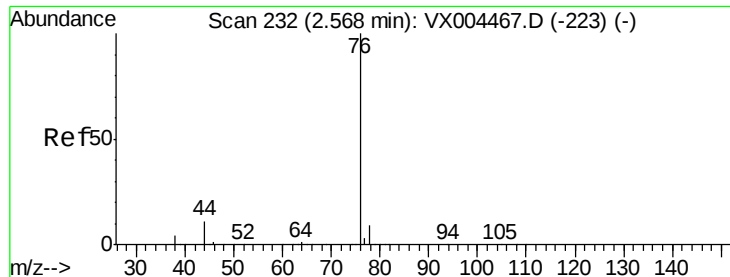
Delta R.T. -0.00 min

Lab File: VX004472.D

Acq: 11 Sep 2018 18:20

Tgt Ion:	43	Resp:	156920
Ion Ratio		Lower	Upper
43	100		
58	35.3	26.2	39.4





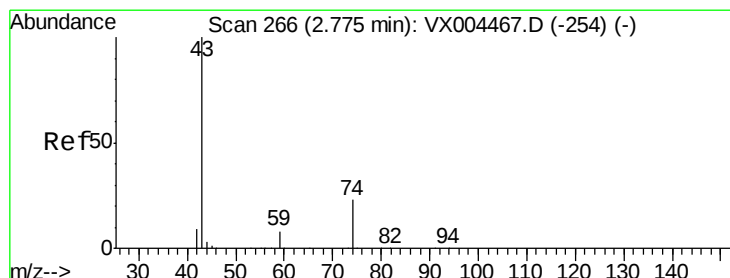
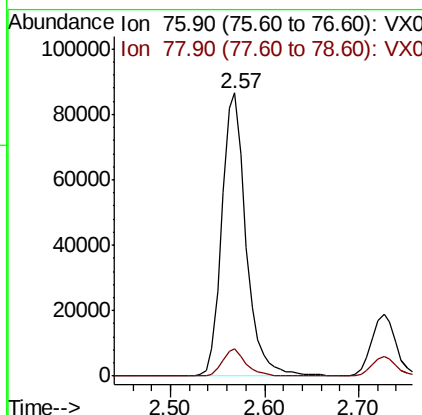
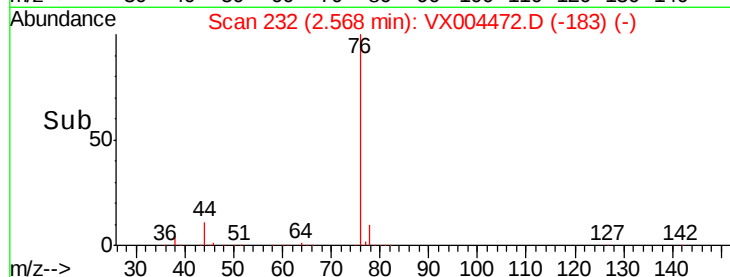
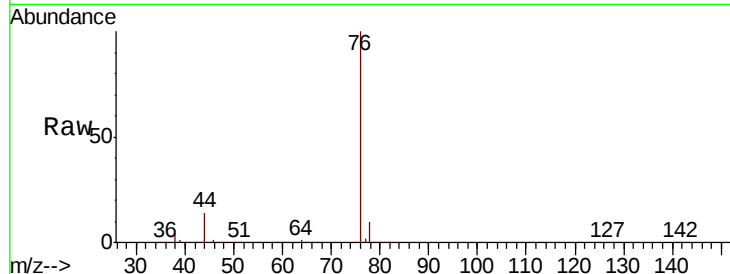
#17
Carbon Disulfide
Concen: 21.09 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX004472.D
Acq: 11 Sep 2018 18:20

Instrument :
MSVOA_X
ClientSampleId :
VX0911WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.0	10.6

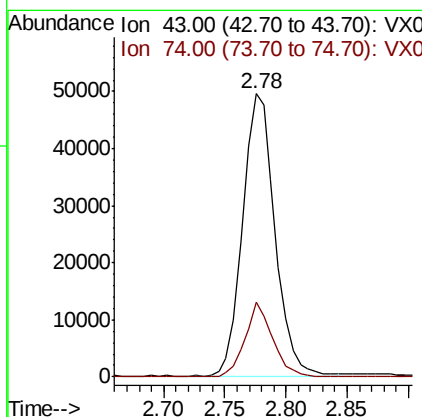
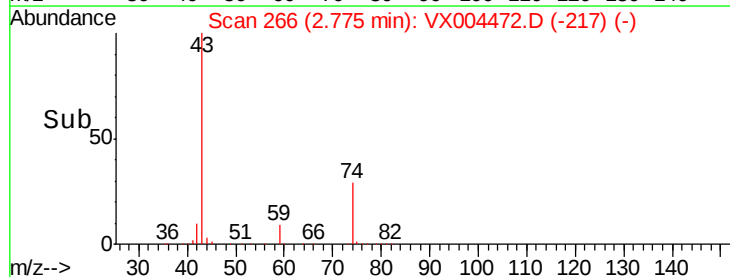
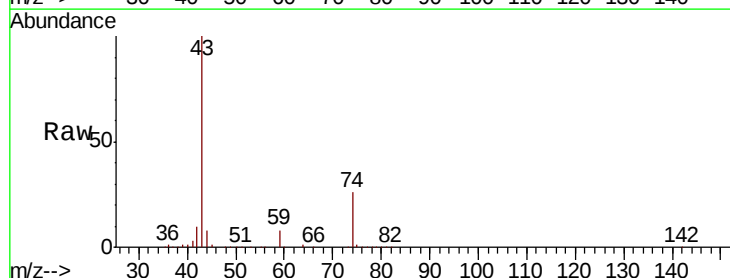
Manual Integrations
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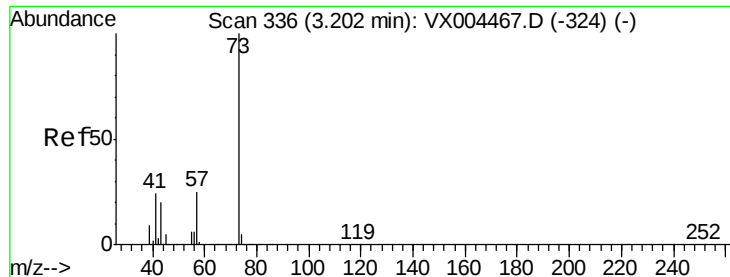
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#18
Methyl Acetate
Concen: 21.10 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX004472.D
Acq: 11 Sep 2018 18:20

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.7	19.4	29.2





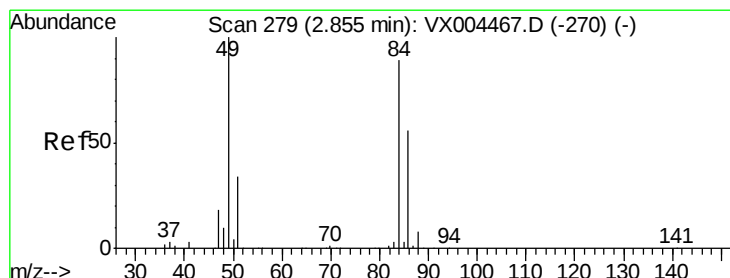
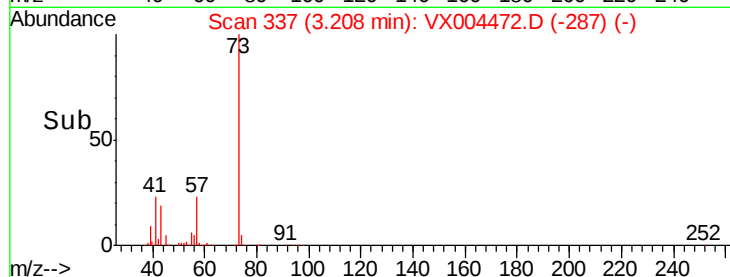
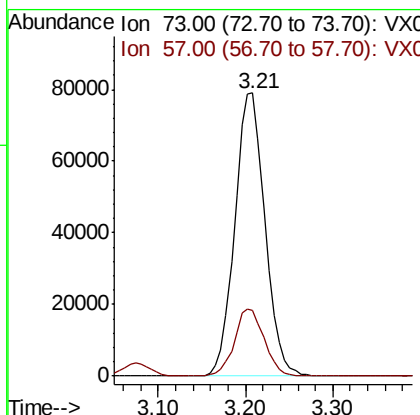
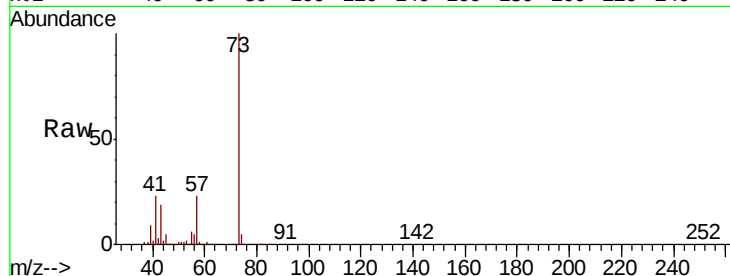
#19
Methvl tert-butvl Ether
Concen: 21.33 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX004472.D
Acq: 11 Sep 2018 18:20

Instrument :
MSVOA_X
ClientSampleId :
VX0911WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.1	17.1	25.7

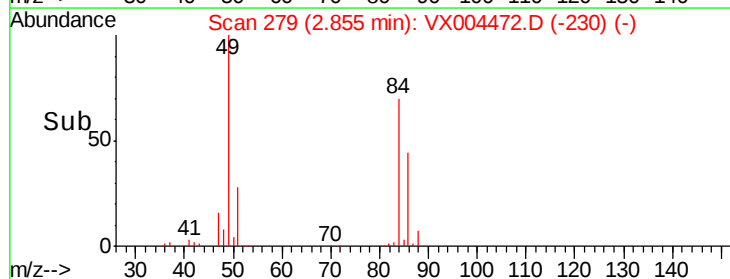
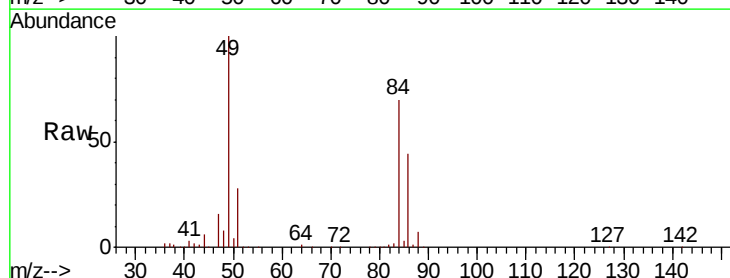
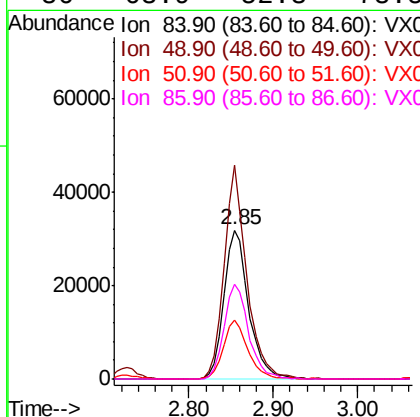
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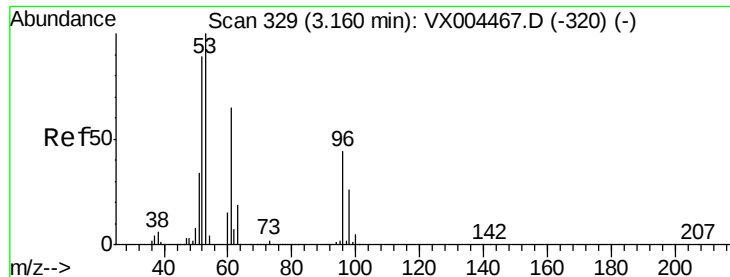
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#20
Methylene Chloride
Concen: 20.45 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX004472.D
Acq: 11 Sep 2018 18:20

Tgt Ion	Ratio	Lower	Upper
84	100		
49	143.6	101.2	151.8
51	39.9	29.5	44.3
86	63.9	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 21.26 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX004472.D

Acq: 11 Sep 2018 18:20

Instrument :

MSVOA_X

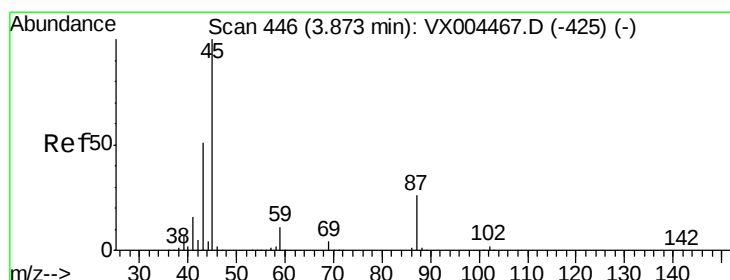
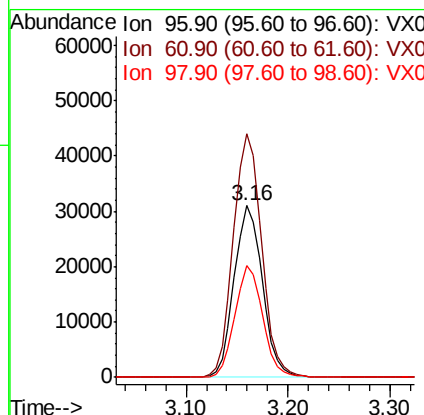
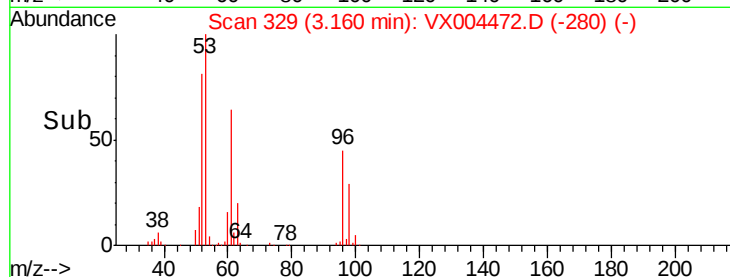
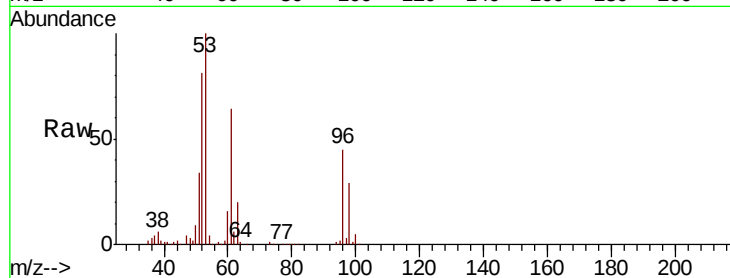
ClientSampleId :

VX0911WBS01

Tot Ion:	96	Resp:	59512
Ion	Ratio	Lower	Upper
96	100		
61	142.0	113.8	170.6
98	64.9	51.8	77.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.59 ug/l

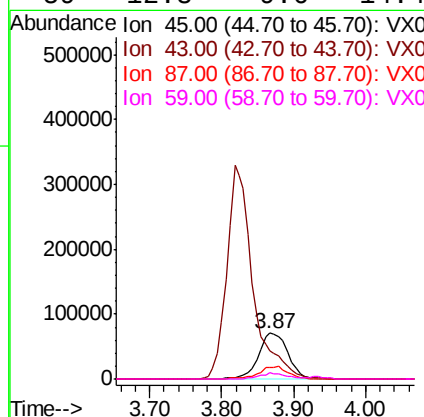
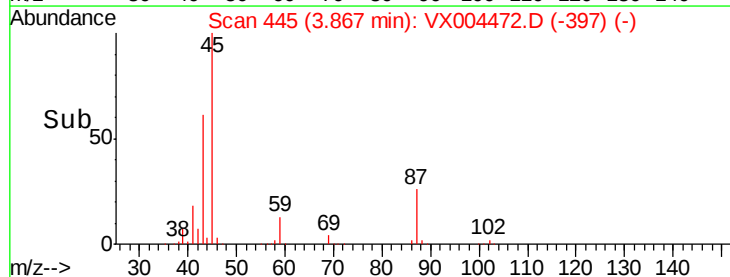
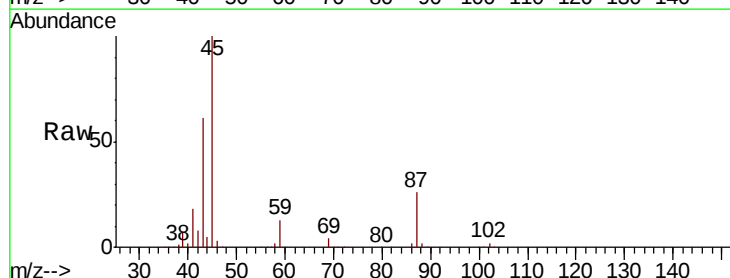
RT: 3.87 min Scan# 445

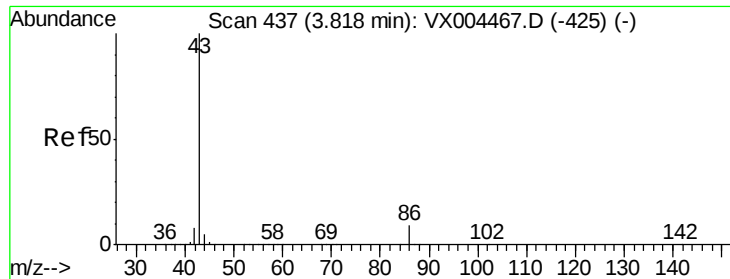
Delta R.T. -0.01 min

Lab File: VX004472.D

Acq: 11 Sep 2018 18:20

Tgt Ion:	45	Resp:	202446
Ion	Ratio	Lower	Upper
45	100		
43	61.0	42.8	64.2
87	26.0	22.6	34.0
59	12.8	9.6	14.4





#23

Vinyl Acetate

Concen: 109.48 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX004472.D

Acq: 11 Sep 2018 18:20

Instrument :

MSVOA_X

ClientSampleId :

VX0911WBS01

Tot Ion: 43 Resp: 830909

Ion Ratio Lower Upper

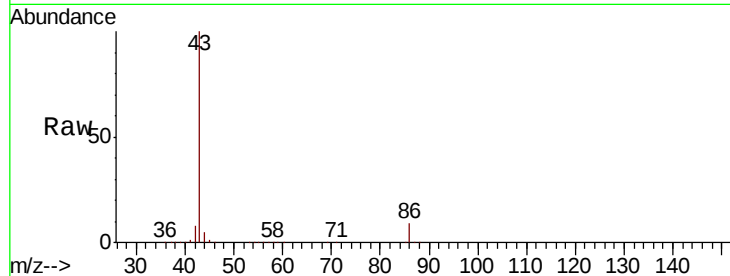
43 100

86 8.9 8.9 13.3#

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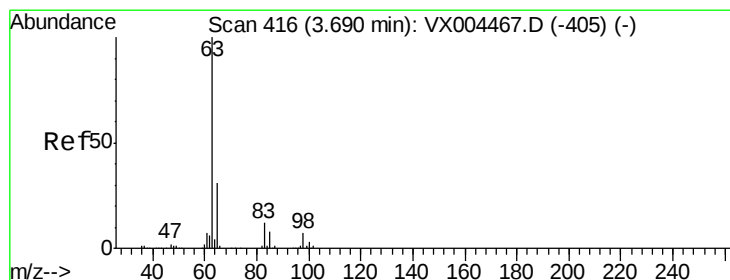
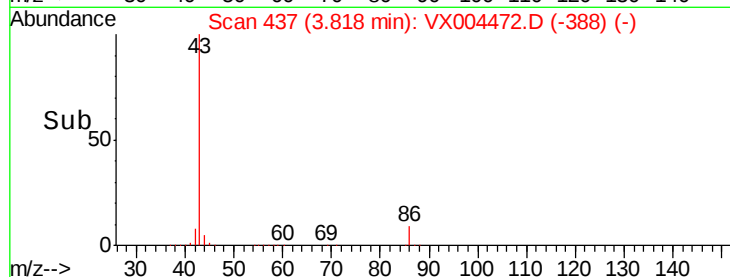
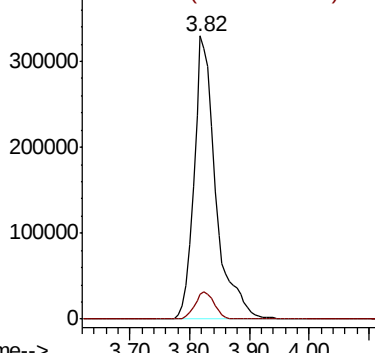
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 21.91 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX004472.D

Acq: 11 Sep 2018 18:20

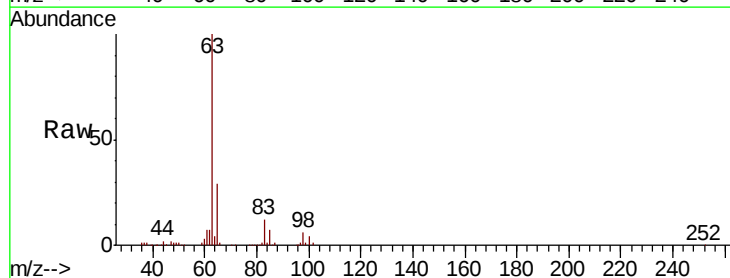
Tgt Ion: 63 Resp: 115995

Ion Ratio Lower Upper

63 100

98 5.8 3.5 10.4

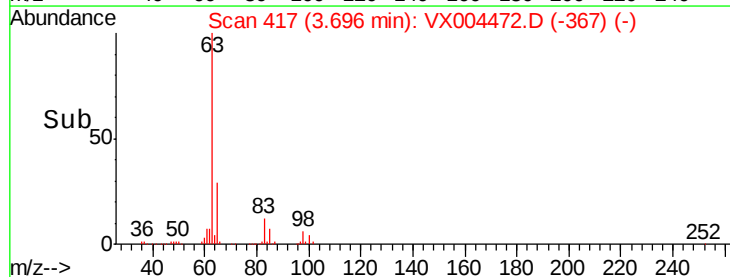
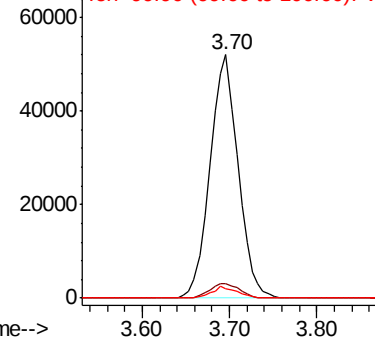
100 3.9 2.4 7.1

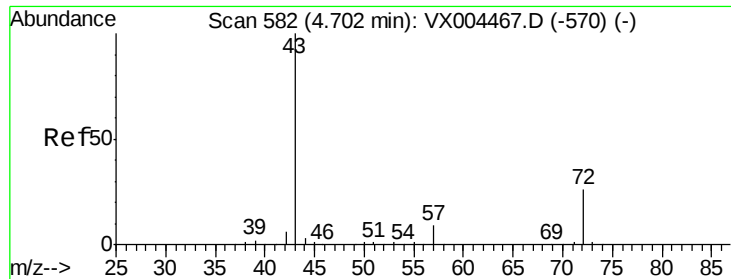


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 100.50 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX004472.D

Acq: 11 Sep 2018 18:20

Instrument :

MSVOA_X

ClientSampleId :

VX0911WBS01

Tot Ion: 43 Resp: 243999

Ion Ratio Lower Upper

43 100

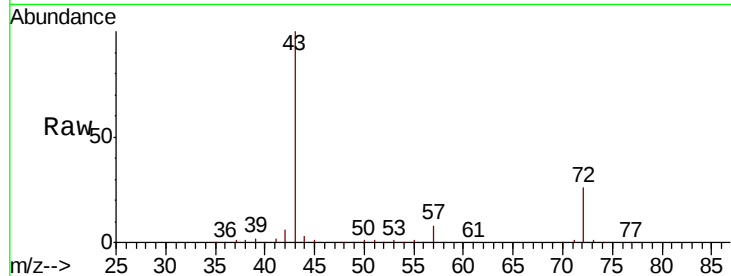
72 26.1 22.0 33.0

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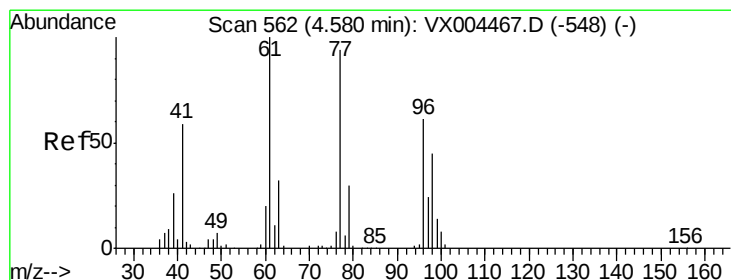
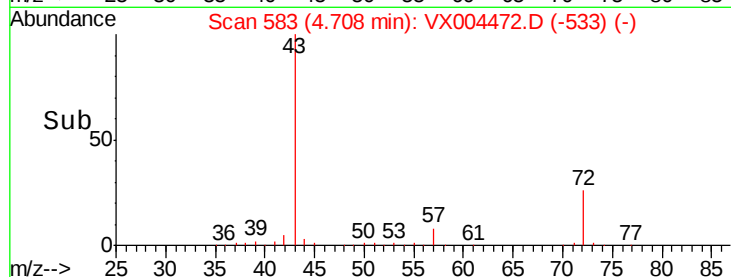
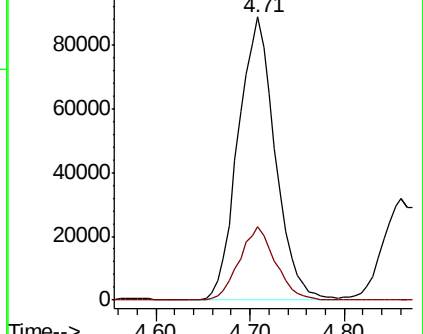
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 20.58 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.01 min

Lab File: VX004472.D

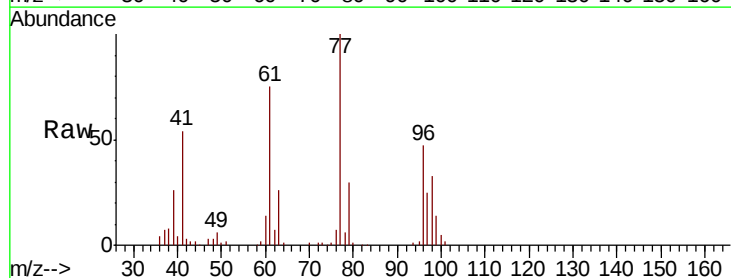
Acq: 11 Sep 2018 18:20

Tgt Ion: 77 Resp: 74854

Ion Ratio Lower Upper

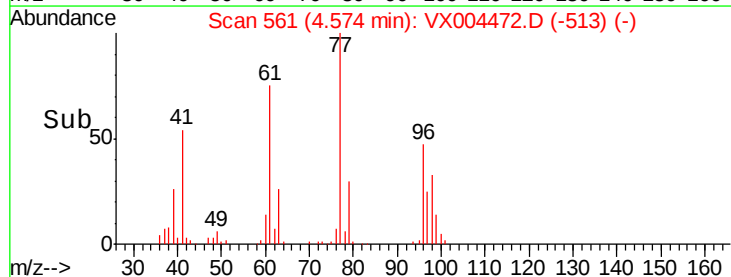
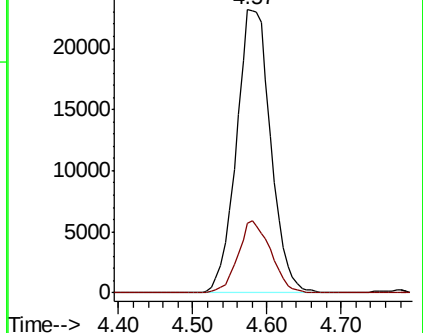
77 100

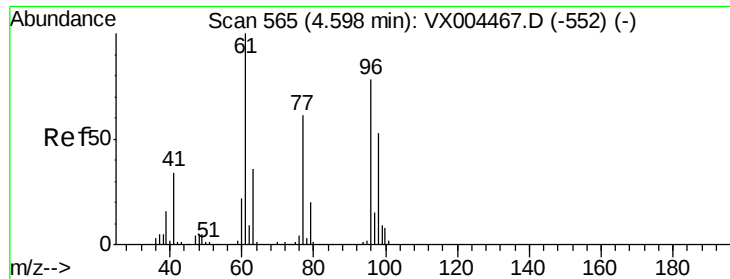
97 24.4 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

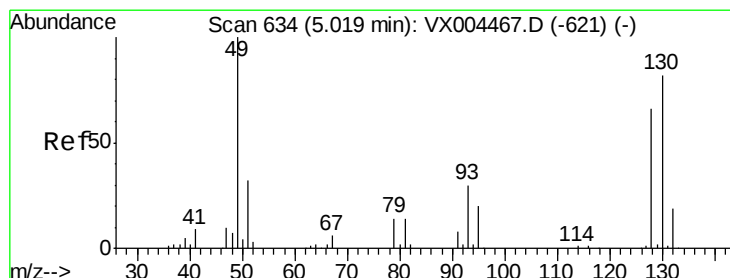
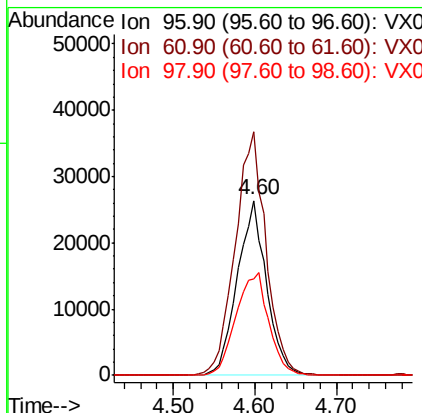
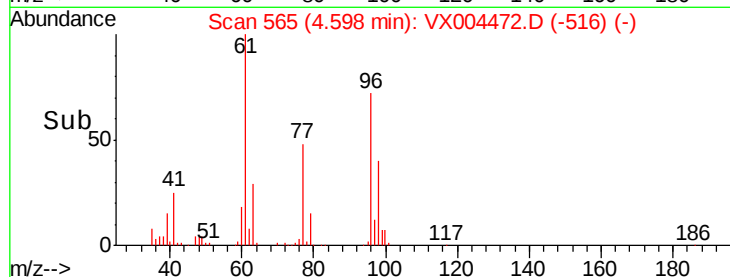
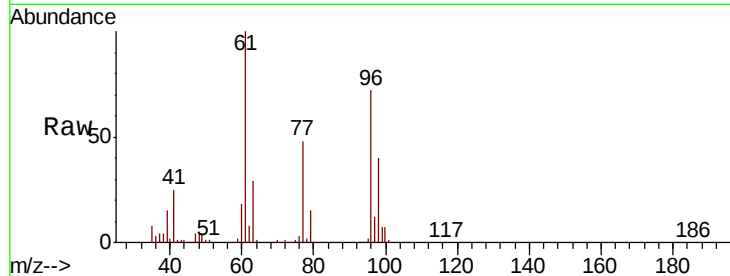
cis-1,2-Dichloroethene
Concen: 20.92 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX004472.D
Acq: 11 Sep 2018 18:20

Instrument :
MSVOA_X
ClientSampleId :
VX0911WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.0	0.0	282.6
98	65.7	0.0	130.2

Manual Integrations
APPROVED

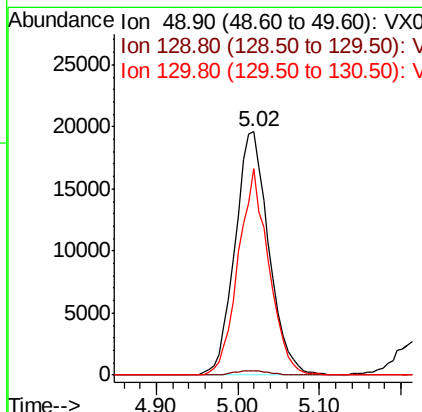
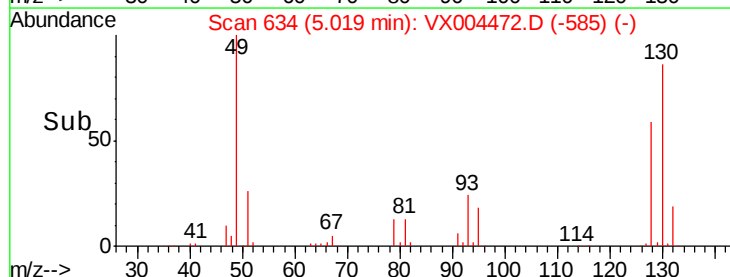
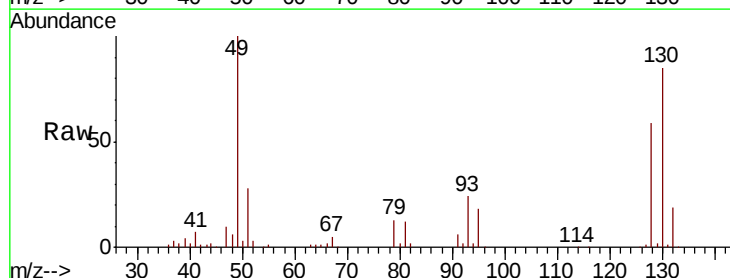
MMDadoda
9/12/2018 11:26:43 AM

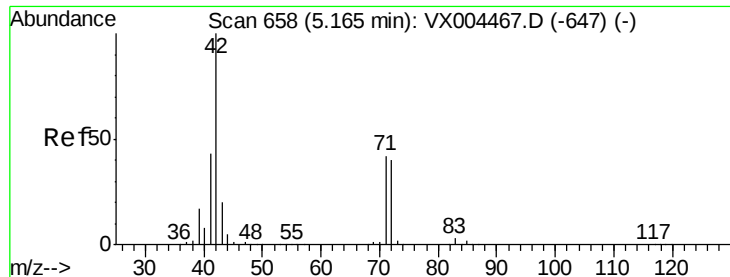


#28

Bromochloromethane
Concen: 23.24 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX004472.D
Acq: 11 Sep 2018 18:20

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.2
130	76.8	67.5	101.3





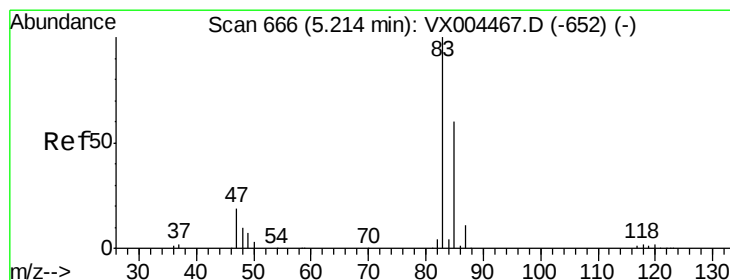
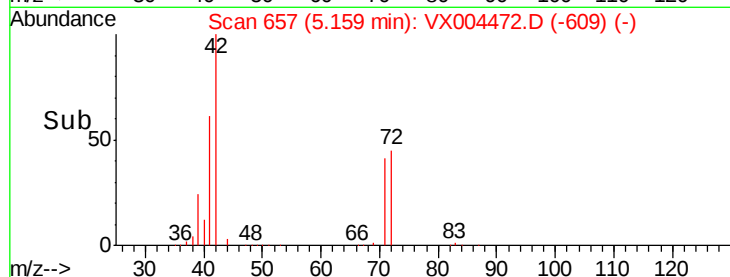
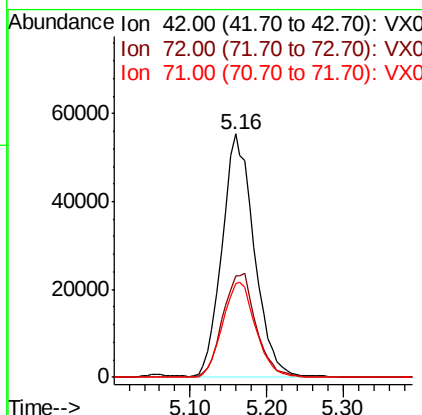
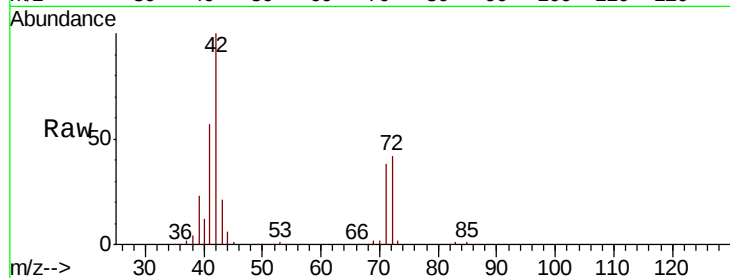
#29
Tetrahydrofuran
Concen: 109.44 ug/l
RT: 5.16 min Scan# 657
Delta R.T. -0.01 min
Lab File: VX004472.D
Acq: 11 Sep 2018 18:20

Instrument :
MSVOA_X
ClientSampleId :
VX0911WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.6	37.4	56.0
71	40.4	34.5	51.7

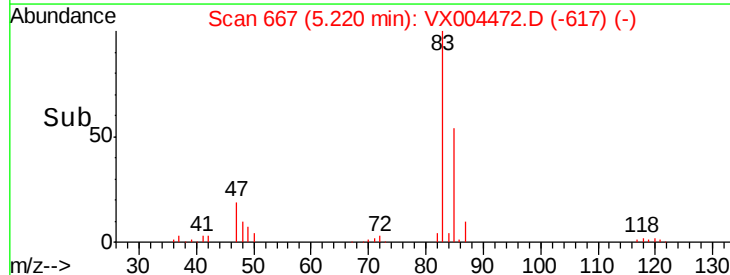
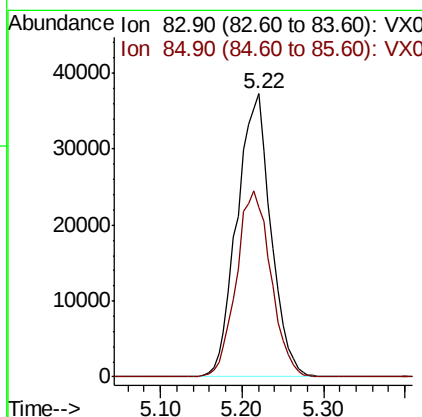
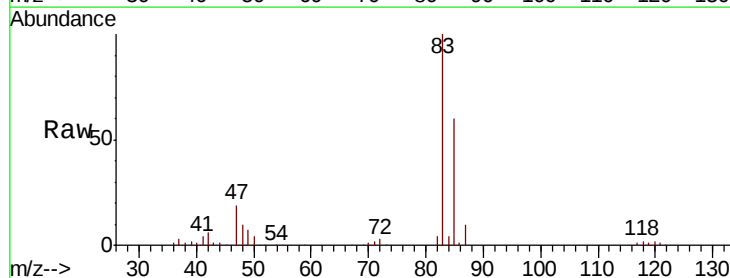
Manual Integrations
APPROVED

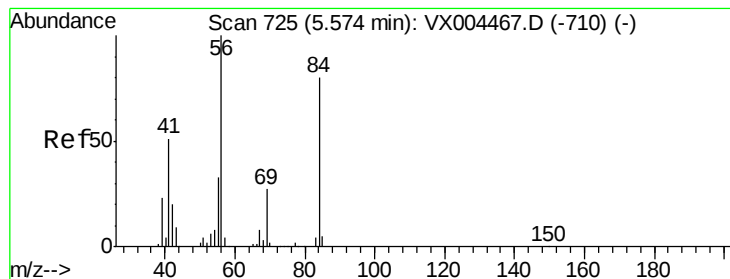
MMDadoda
9/12/2018 11:26:43 AM



#30
Chloroform
Concen: 20.79 ug/l
RT: 5.22 min Scan# 667
Delta R.T. 0.01 min
Lab File: VX004472.D
Acq: 11 Sep 2018 18:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	59.7	52.6	79.0





#31

Cyclohexane

Concen: 21.05 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.01 min

Lab File: VX004472.D

Acq: 11 Sep 2018 18:20

Instrument :

MSVOA_X

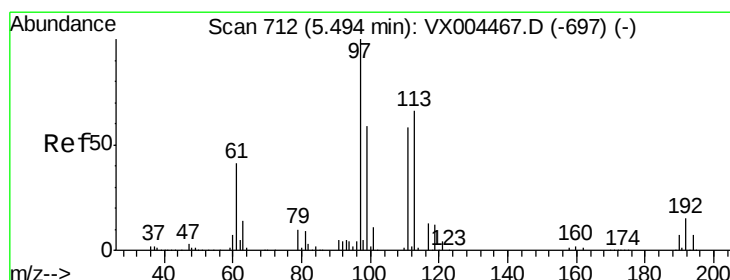
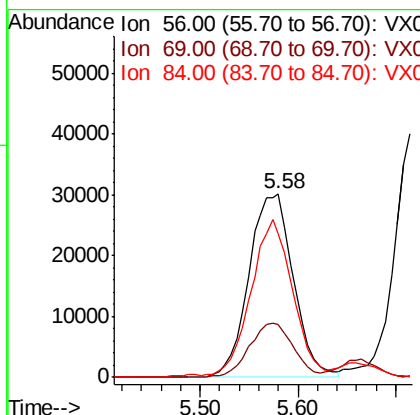
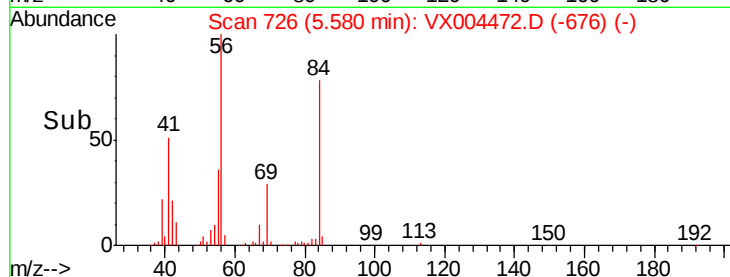
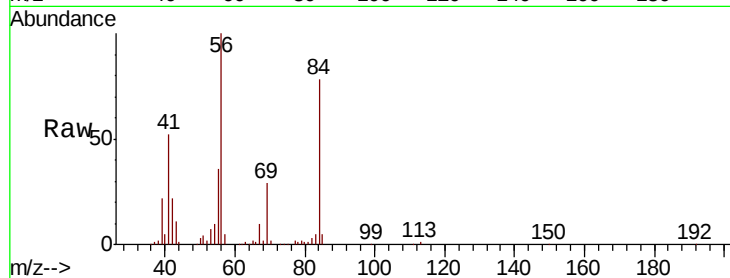
ClientSampleId :

VX0911WBS01

Tot Ion:	56	Resp:	95160
Ion	Ratio	Lower	Upper
56	100		
69	29.0	25.4	38.2
84	76.5	71.4	107.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.72 ug/l

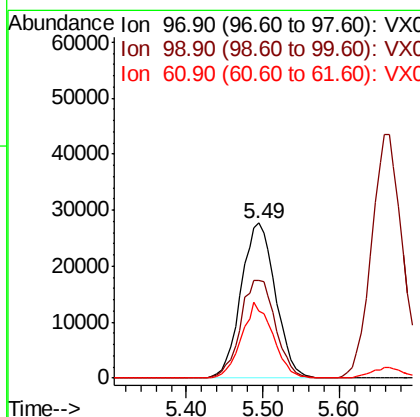
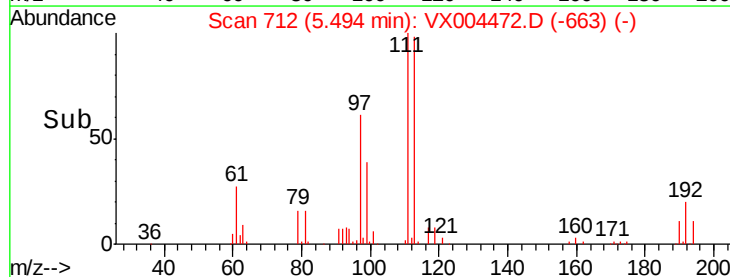
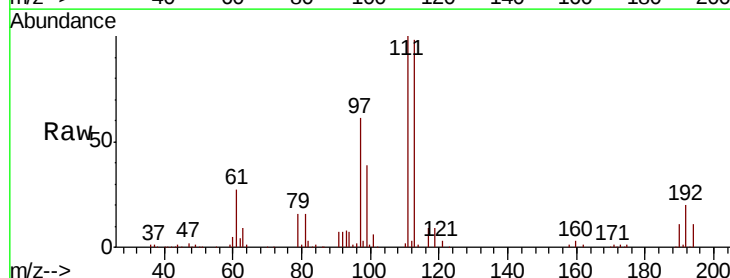
RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX004472.D

Acq: 11 Sep 2018 18:20

Tgt Ion:	97	Resp:	86262
Ion	Ratio	Lower	Upper
97	100		
99	64.5	52.0	78.0
61	44.9	34.9	52.3





#33

1,2-Dichloroethane-d4

Concen: 52.49 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004472.D

Acq: 11 Sep 2018 18:20

Instrument :

MSVOA_X

ClientSampleId :

VX0911WBS01

Tot Ion: 65 Resp: 164054

Ion Ratio Lower Upper

65 100

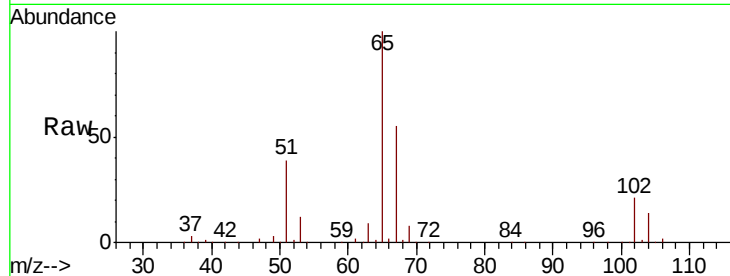
67 54.6 0.0 106.8

Manual Integrations

APPROVED

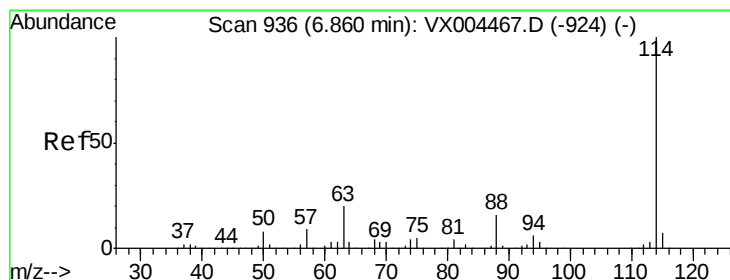
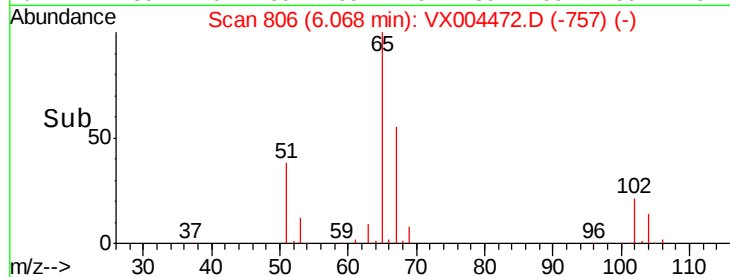
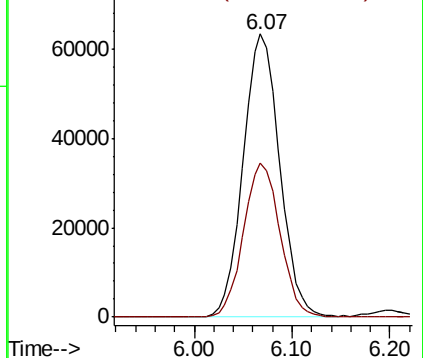
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX004472.D

Acq: 11 Sep 2018 18:20

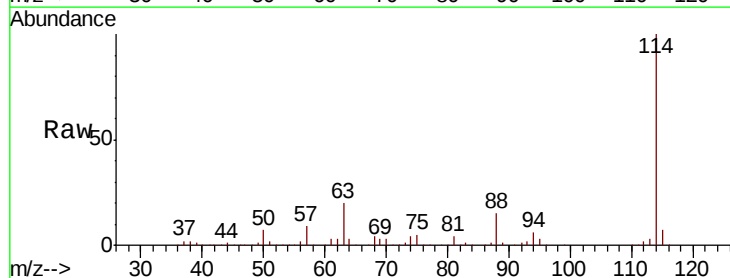
Tgt Ion: 114 Resp: 354654

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.0

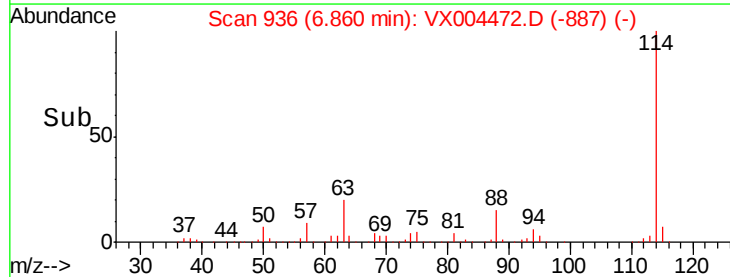
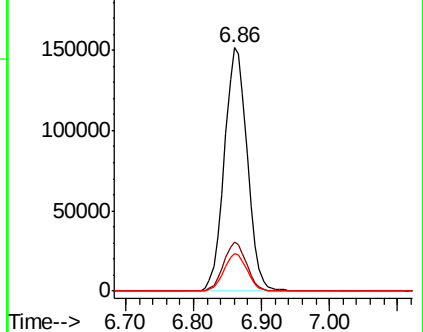
88 15.3 0.0 30.4

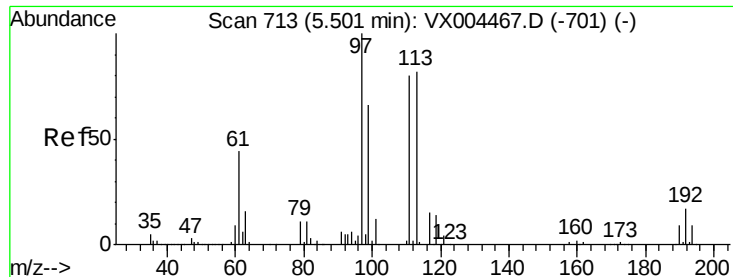


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





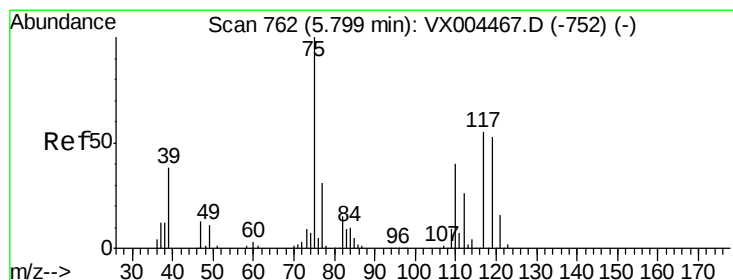
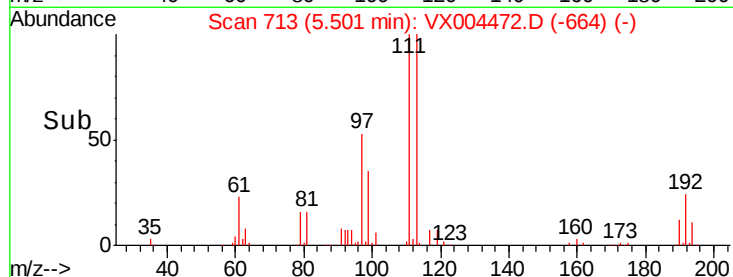
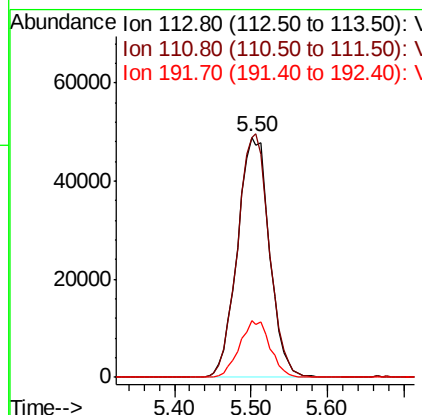
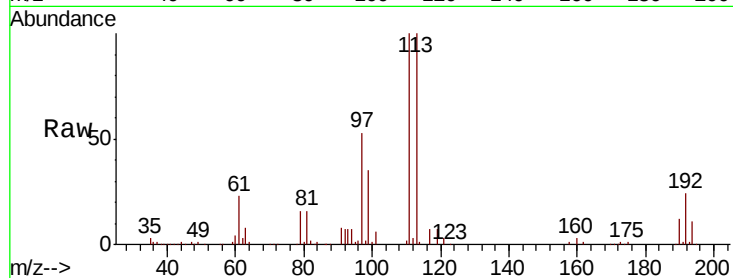
#35
Dibromofluoromethane
Concen: 43.76 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX004472.D
Acq: 11 Sep 2018 18:20

Instrument :
MSVOA_X
ClientSampleId :
VX0911WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	142024		
111	100.2	82.4	123.6	
192	22.7	19.4	29.2	

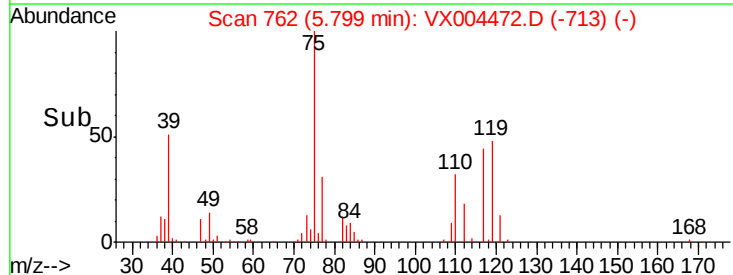
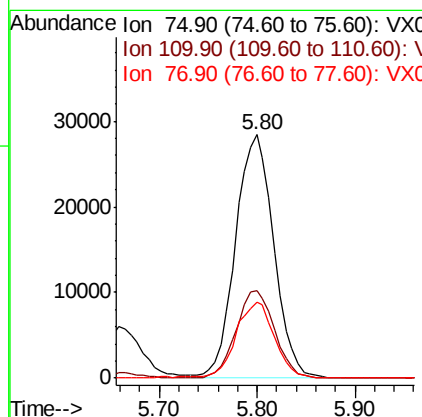
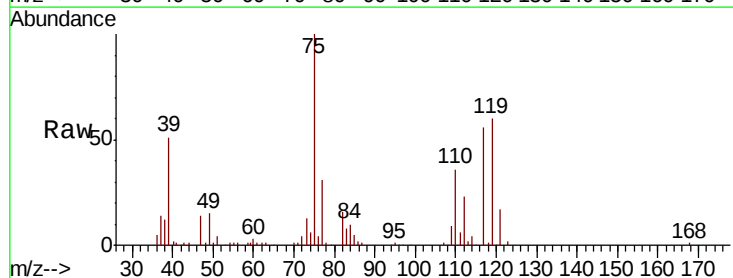
Manual Integrations
APPROVED

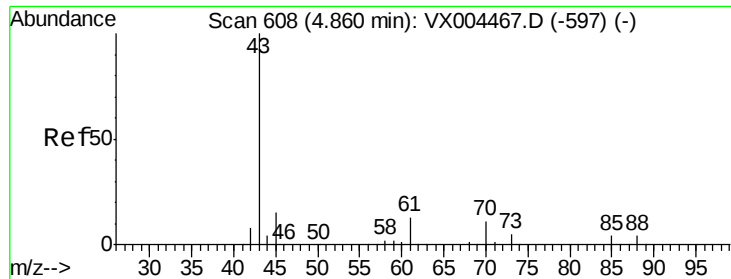
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#36
1,1-Dichloropropene
Concen: 17.87 ug/l
RT: 5.80 min Scan# 762
Delta R.T. 0.00 min
Lab File: VX004472.D
Acq: 11 Sep 2018 18:20

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	76955		
110	36.3	18.0	54.0	
77	31.4	24.6	36.8	





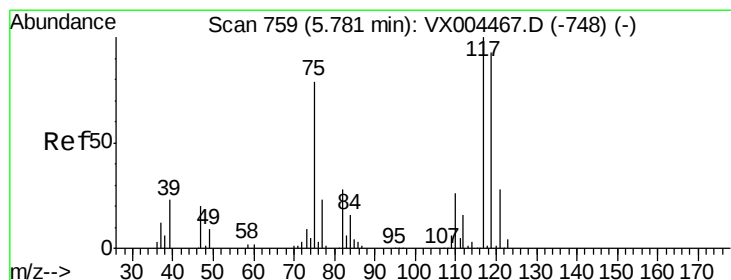
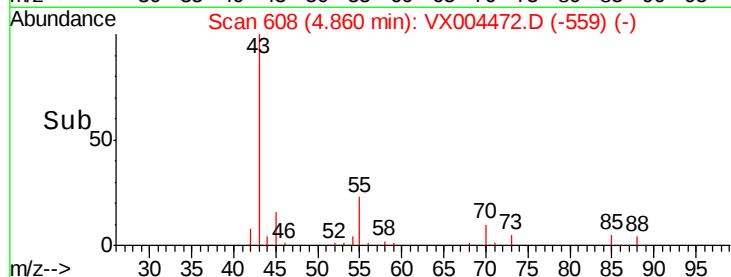
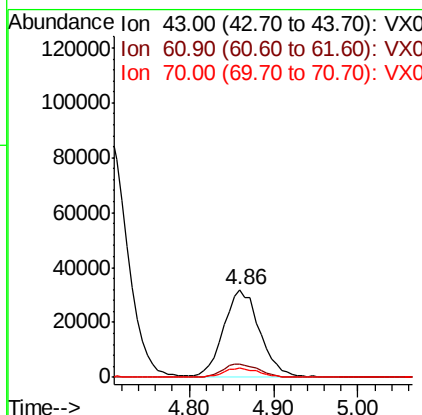
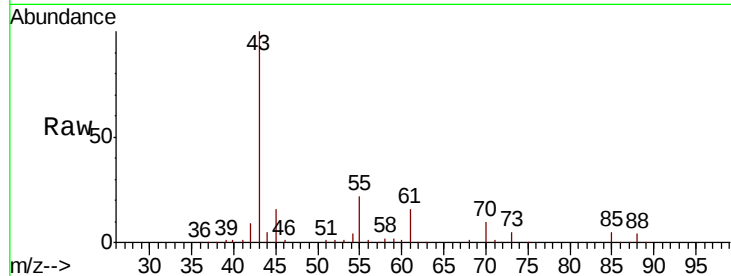
#37
Ethyl Acetate
Concen: 18.88 ug/l
RT: 4.86 min Scan# 608
Delta R.T. -0.00 min
Lab File: VX004472.D
Acq: 11 Sep 2018 18:20

Instrument :
MSVOA_X
ClientSampleId :
VX0911WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.7	11.5	17.3
70	10.6	9.0	13.6

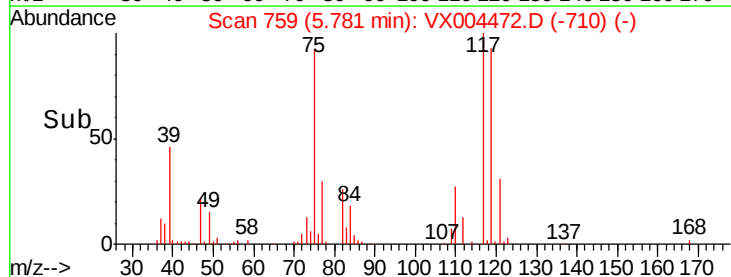
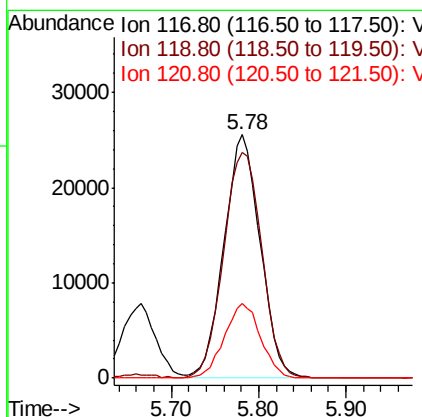
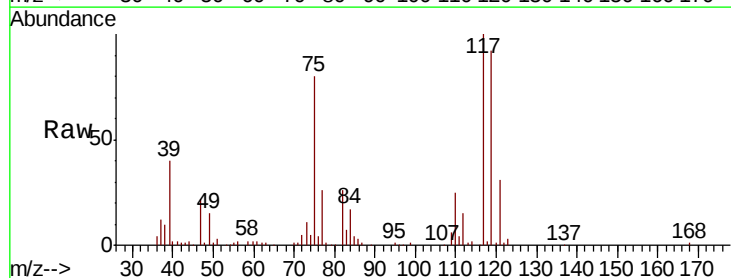
Manual Integrations
APPROVED

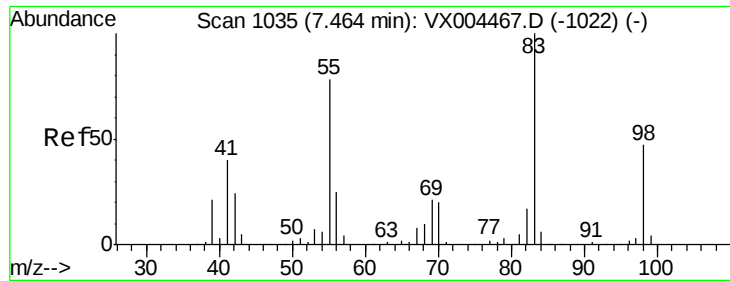
MMDadoda
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#38
Carbon Tetrachloride
Concen: 17.49 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX004472.D
Acq: 11 Sep 2018 18:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.5	78.8	118.2
121	30.9	24.9	37.3





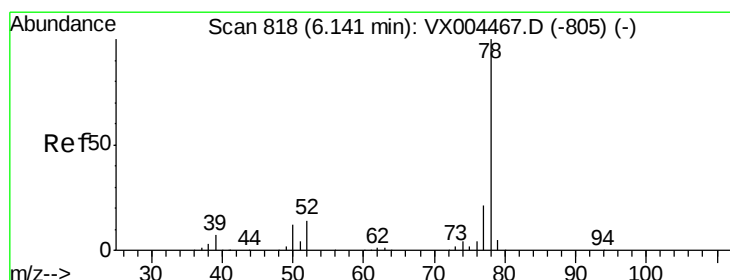
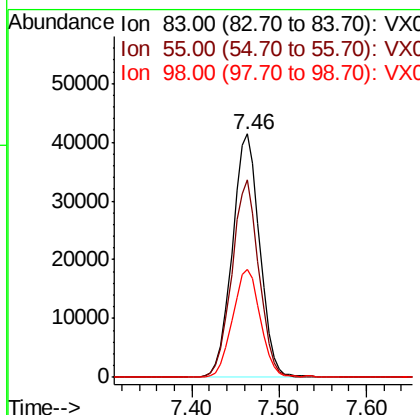
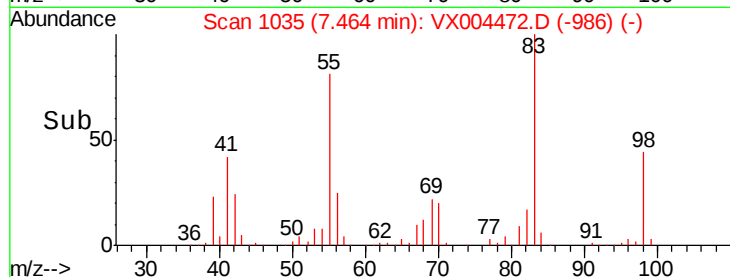
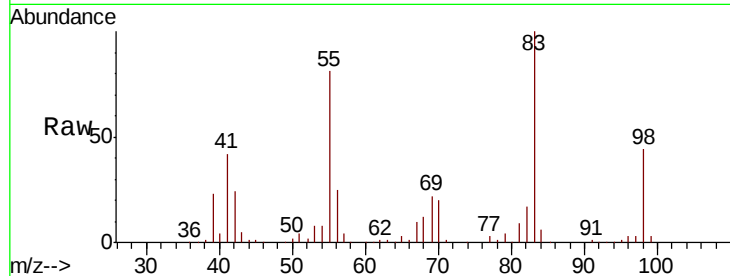
#39
Methylvlcyclohexane
Concen: 20.09 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX004472.D
Acq: 11 Sep 2018 18:20

Instrument :
MSVOA_X
ClientSampleId :
VX0911WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	81.1	61.0	91.4	
98	44.4	39.6	59.4	

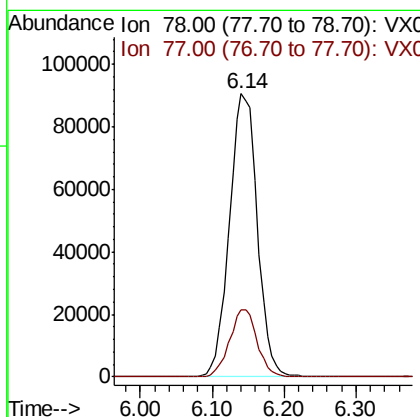
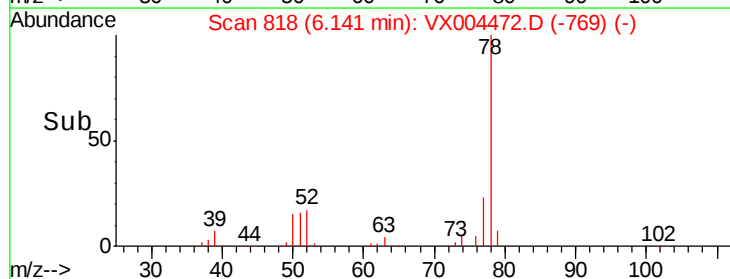
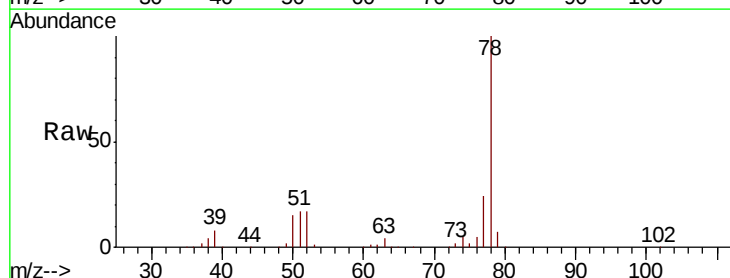
Manual Integrations
APPROVED

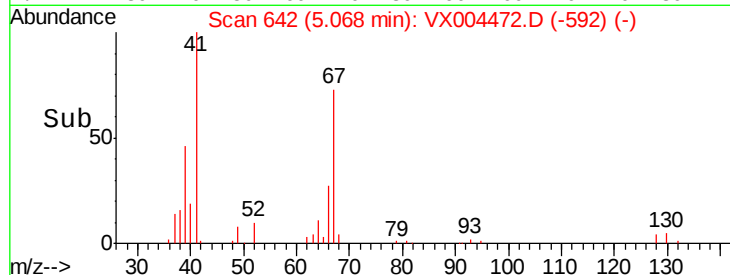
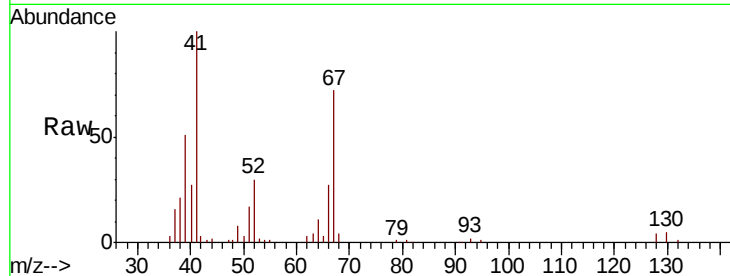
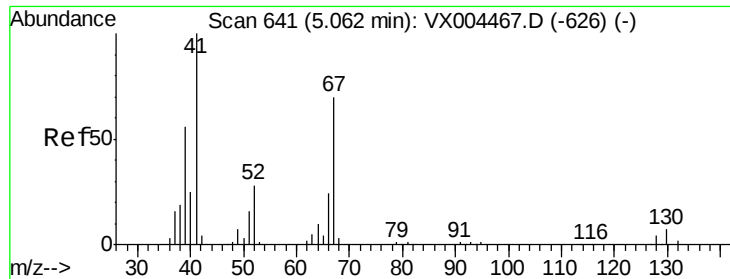
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#40
Benzene
Concen: 19.09 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX004472.D
Acq: 11 Sep 2018 18:20

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.9	19.0	28.4	





#41

Methacrylonitrile

Concen: 19.04 ug/l

RT: 5.07 min Scan# 642

Delta R.T. 0.01 min

Lab File: VX004472.D

Acq: 11 Sep 2018 18:20

Tot Ion:	41	Resp:	51363
Ion	Ratio	Lower	Upper
41	100		
39	53.3	42.4	63.6
67	73.7	59.2	88.8
52	28.2	23.0	34.4

Instrument :

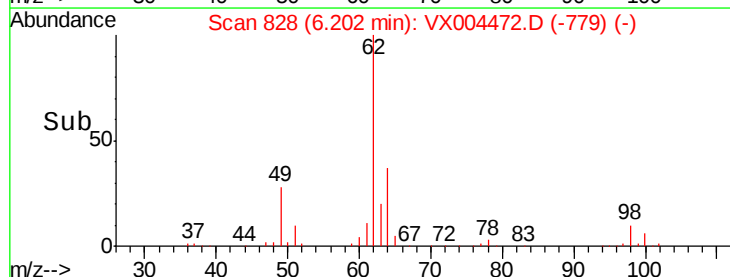
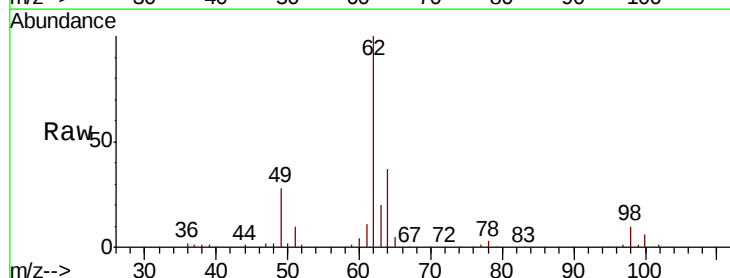
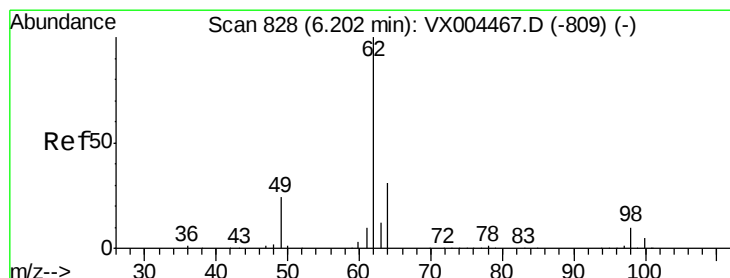
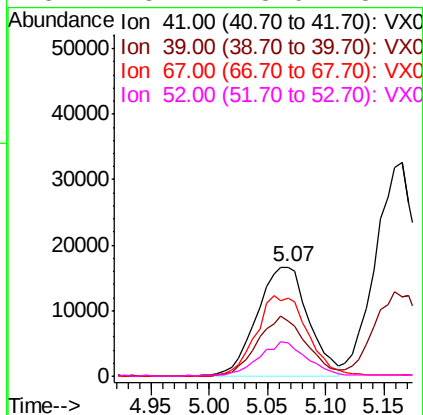
MSVOA_X

ClientSampleId :

VX0911WBS01

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 19.03 ug/l

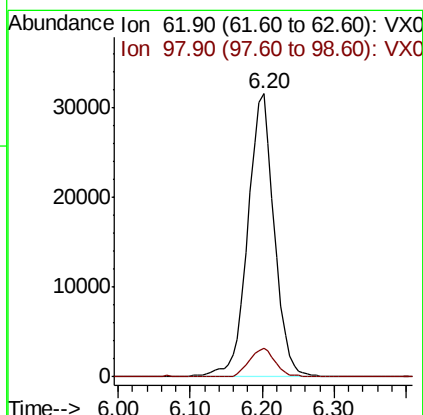
RT: 6.20 min Scan# 828

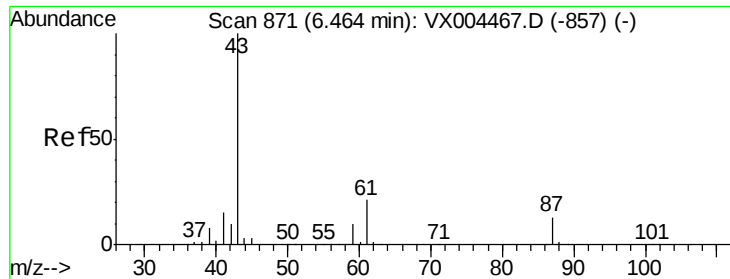
Delta R.T. 0.00 min

Lab File: VX004472.D

Acq: 11 Sep 2018 18:20

Tgt Ion:	62	Resp:	80634
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	20.6





#43

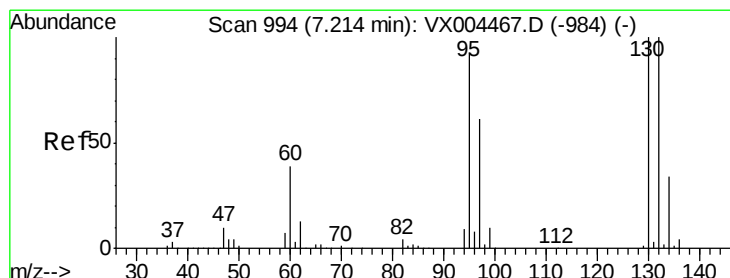
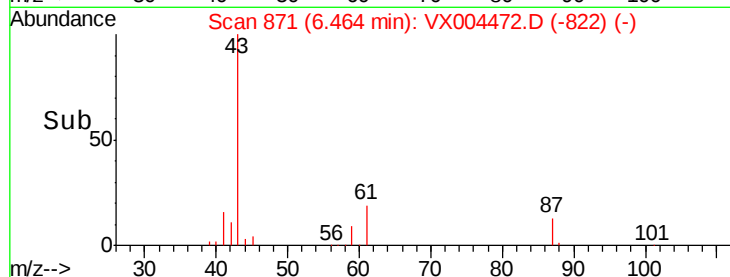
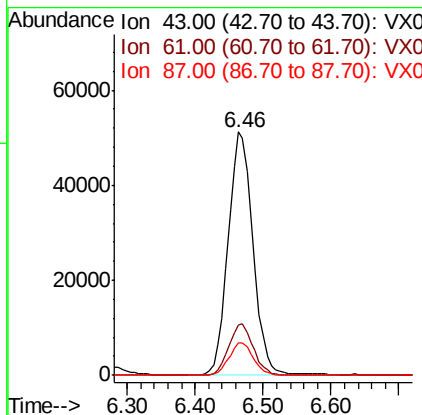
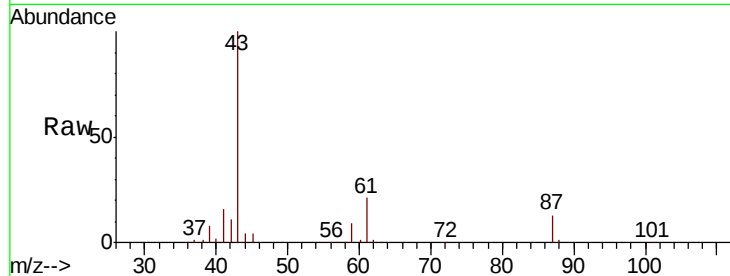
Isopropyl Acetate
 Concen: 19.79 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. -0.00 min
 Lab File: VX004472.D
 Acq: 11 Sep 2018 18:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0911WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.9	17.0	25.4
87	13.2	11.4	17.2

Manual Integrations
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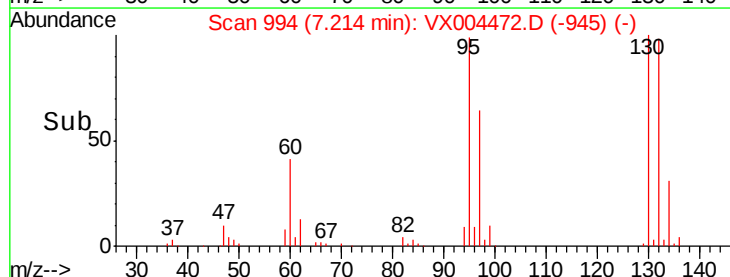
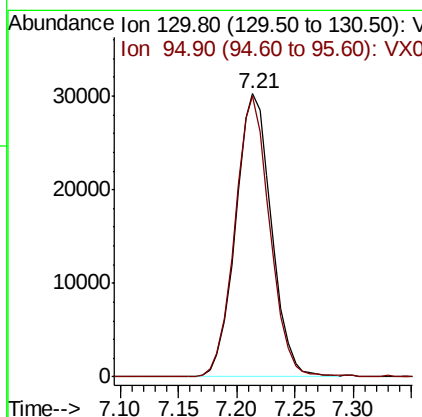
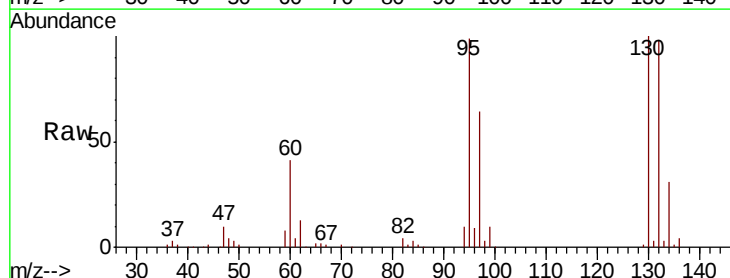
MMDadoda
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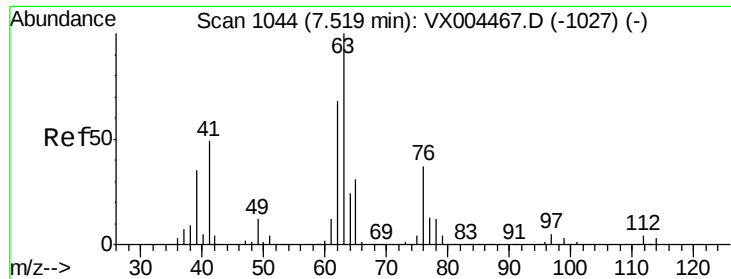


#44

Trichloroethene
 Concen: 19.48 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX004472.D
 Acq: 11 Sep 2018 18:20

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.2	0.0	181.6





#45

1,2-Dichloropropane

Concen: 20.22 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VX004472.D

Acq: 11 Sep 2018 18:20

Instrument :

MSVOA_X

ClientSampled :

VX0911WBS01

Tot Ion: 63 Resp: 62163

Ion Ratio Lower Upper

63 100

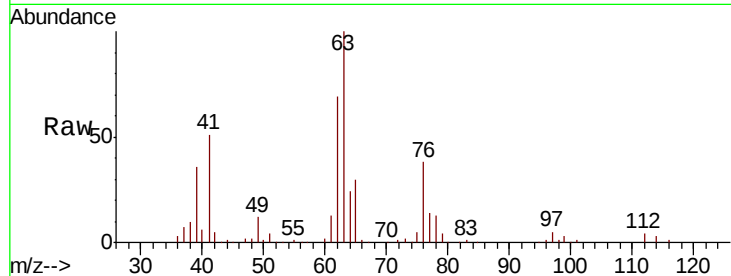
65 30.5 24.3 36.5

Manual Integrations

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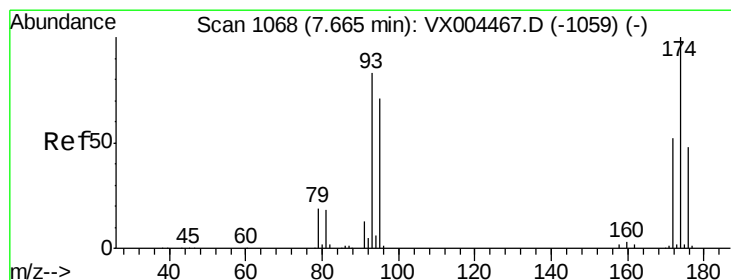
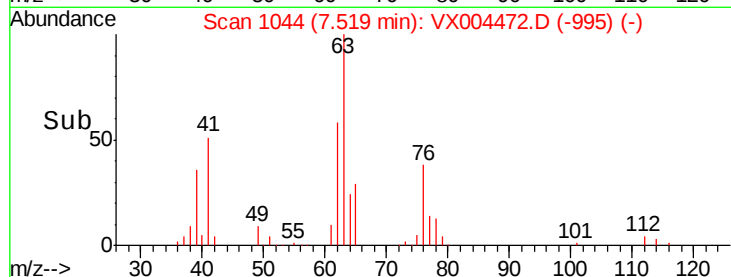
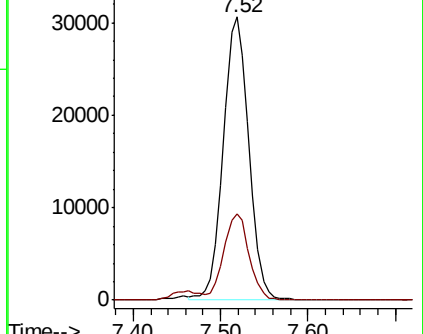
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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 20.58 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VX004472.D

Acq: 11 Sep 2018 18:20

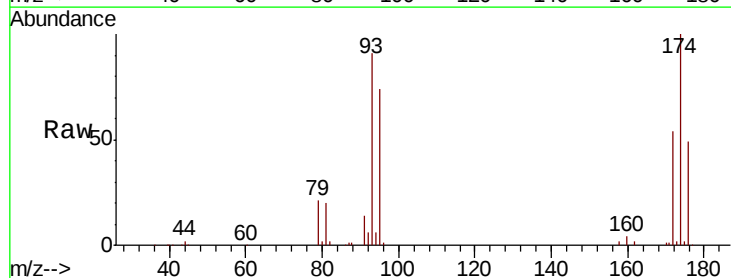
Tgt Ion: 93 Resp: 39958

Ion Ratio Lower Upper

93 100

95 83.0 65.5 98.3

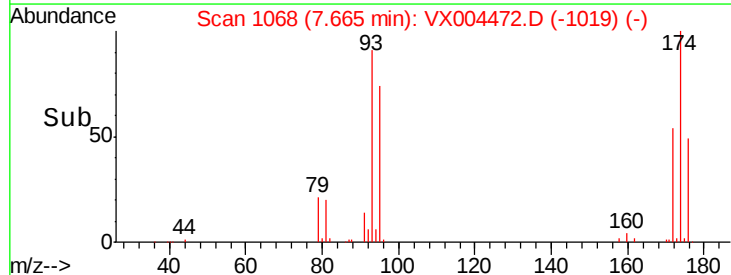
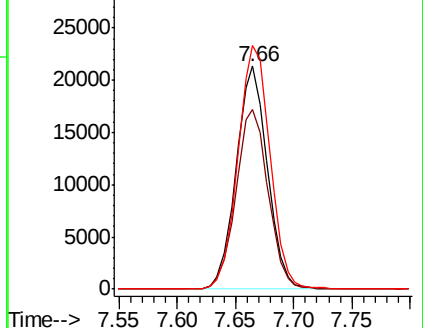
174 112.4 94.2 141.4

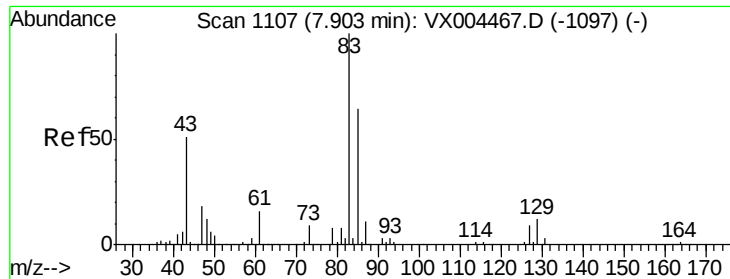


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.78 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VX004472.D

Acq: 11 Sep 2018 18:20

Instrument :

MSVOA_X

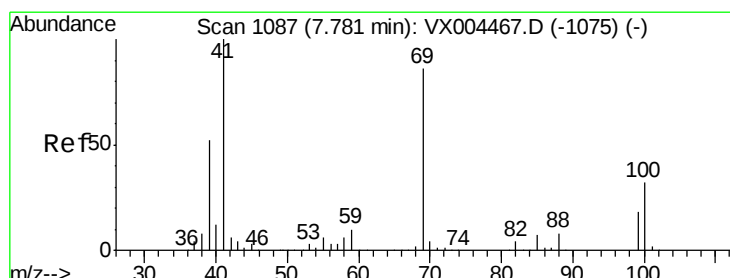
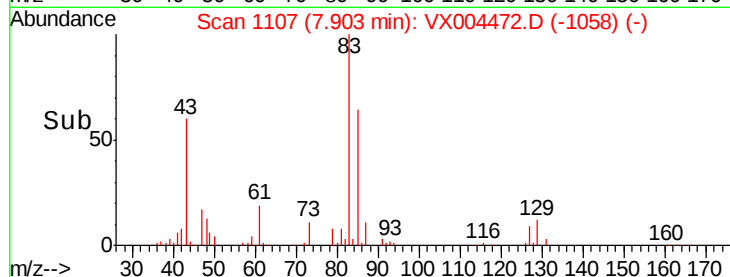
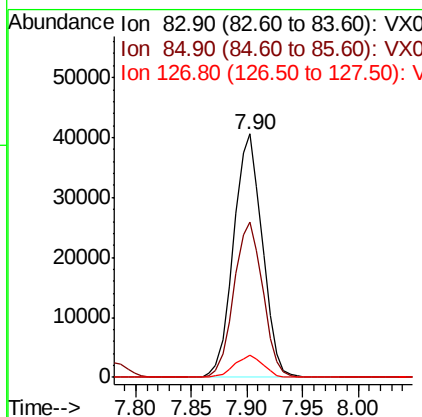
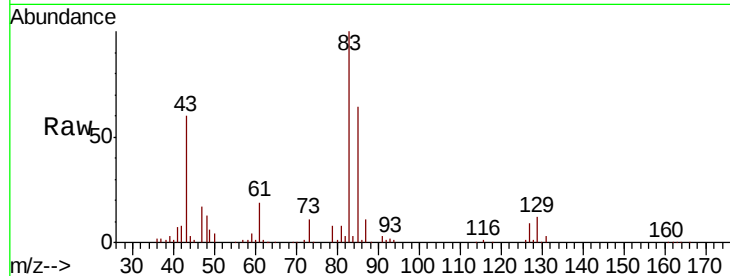
ClientSampleId :

VX0911WBS01

Tot Ion:	83	Resp:	72643
Ion Ratio	Lower	Upper	
83	100		
85	63.8	50.9	76.3
127	9.1	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.66 ug/l

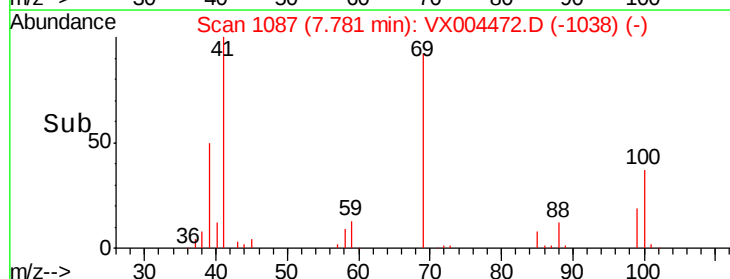
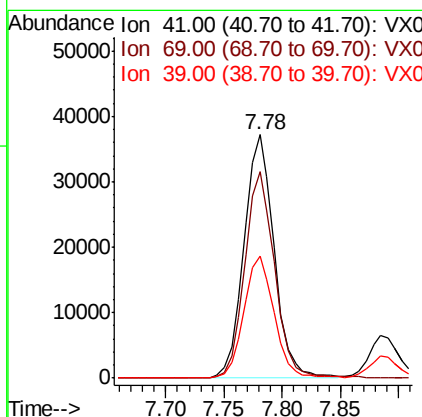
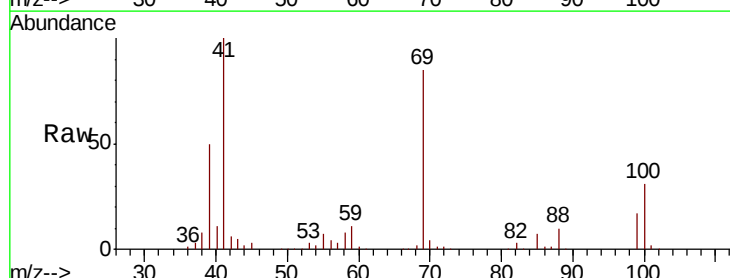
RT: 7.78 min Scan# 1087

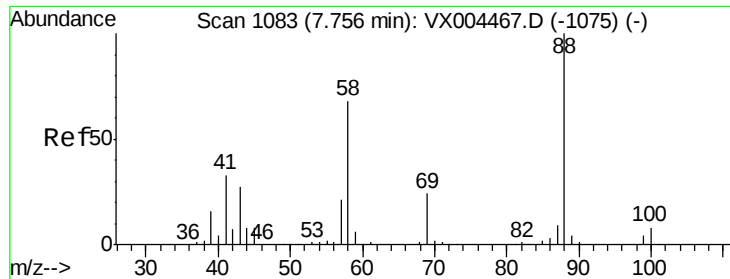
Delta R.T. 0.00 min

Lab File: VX004472.D

Acq: 11 Sep 2018 18:20

Tgt Ion:	41	Resp:	66496
Ion Ratio	Lower	Upper	
41	100		
69	85.3	70.2	105.4
39	51.2	42.7	64.1





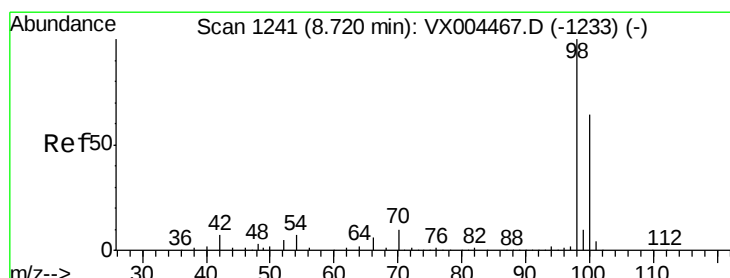
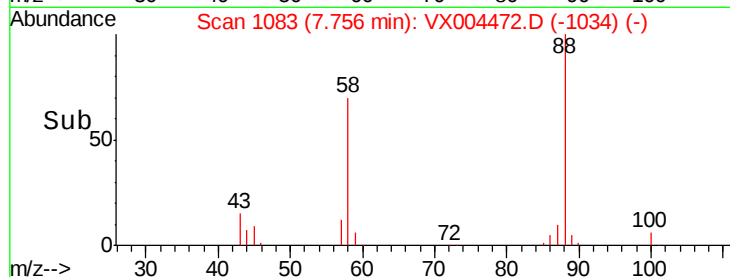
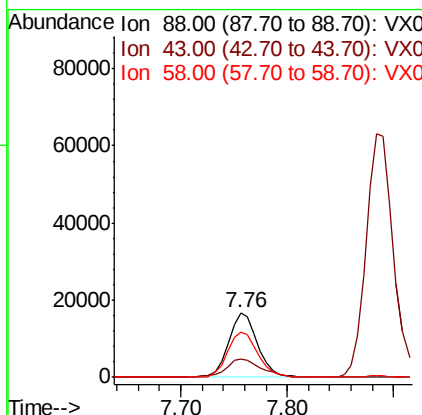
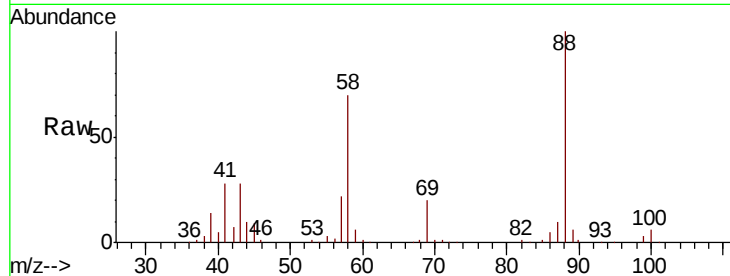
#49
1,4-Dioxane
Concen: 415.34 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VX004472.D
Acq: 11 Sep 2018 18:20

Instrument :
MSVOA_X
ClientSampleId :
VX0911WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.2	24.7	37.1
58	74.7	55.3	82.9

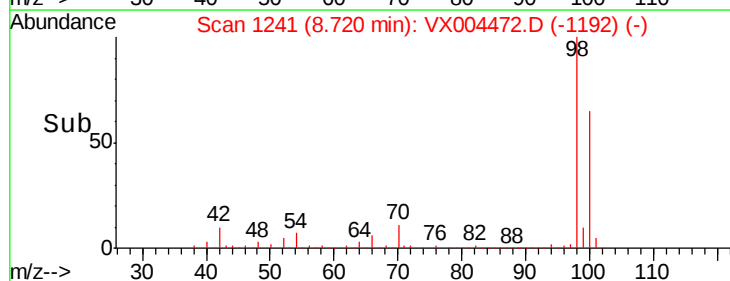
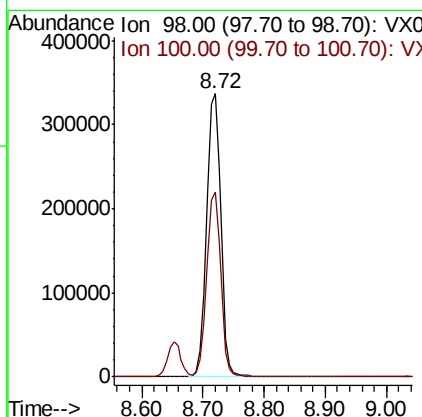
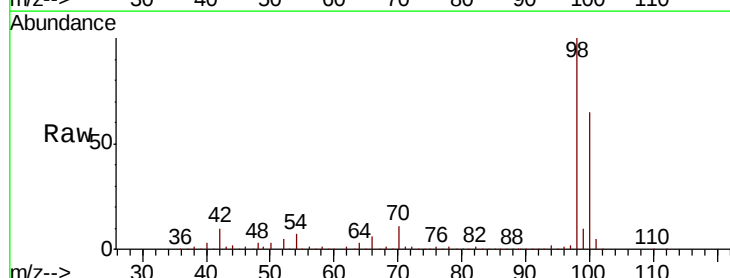
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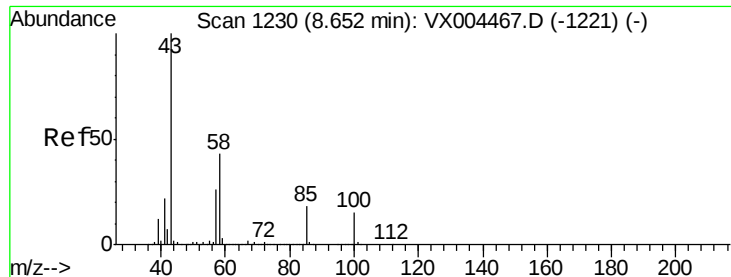
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#50
Toluene-d8
Concen: 49.64 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VX004472.D
Acq: 11 Sep 2018 18:20

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.9	79.3





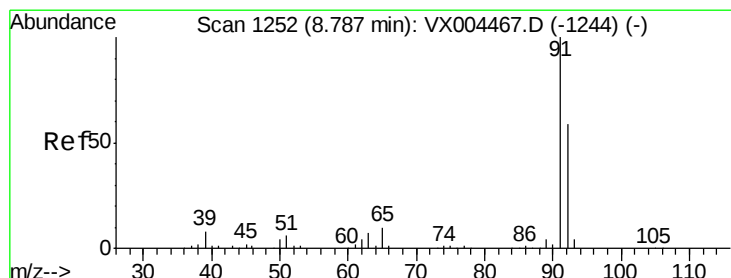
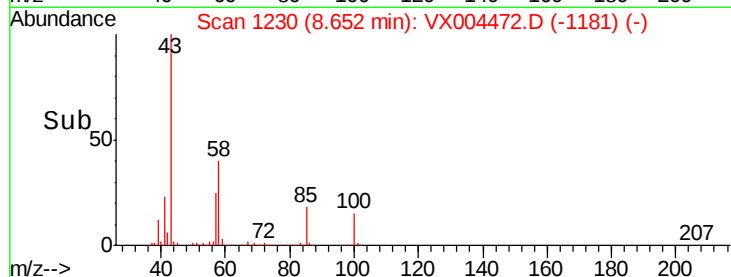
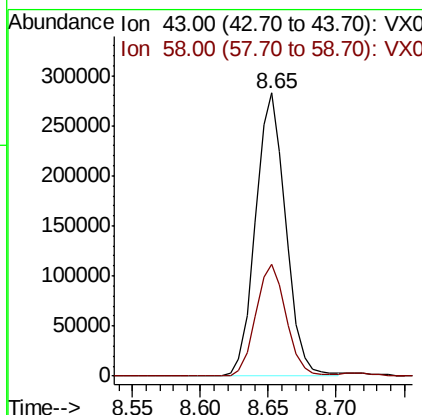
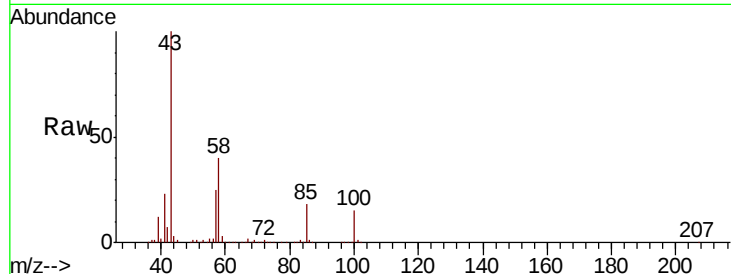
#51
 4-Methyl-2-Pentanone
 Concen: 96.06 ug/l
 RT: 8.65 min Scan# 1230
 Delta R.T. -0.00 min
 Lab File: VX004472.D
 Acq: 11 Sep 2018 18:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0911WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.6	33.1	49.7

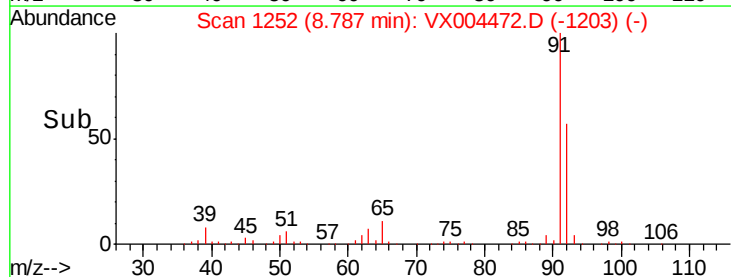
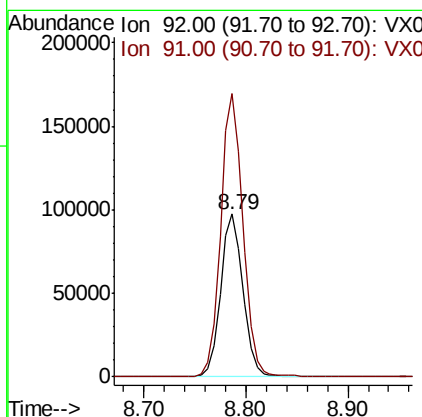
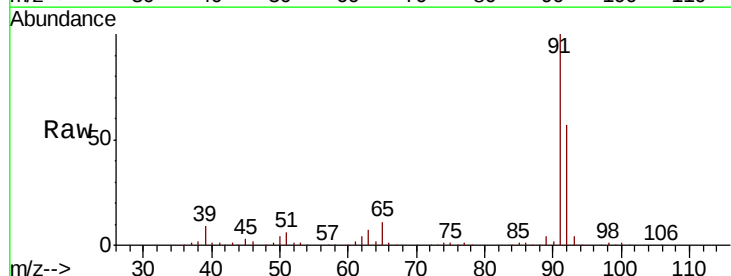
Manual Integrations
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#52
 Toluene
 Concen: 19.67 ug/l
 RT: 8.79 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VX004472.D
 Acq: 11 Sep 2018 18:20

Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.4	136.4	204.6





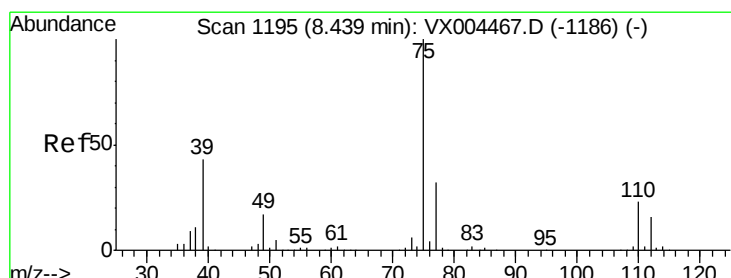
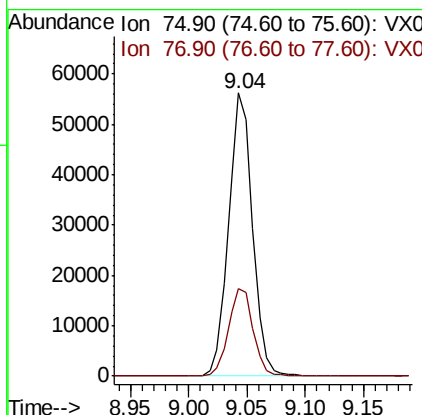
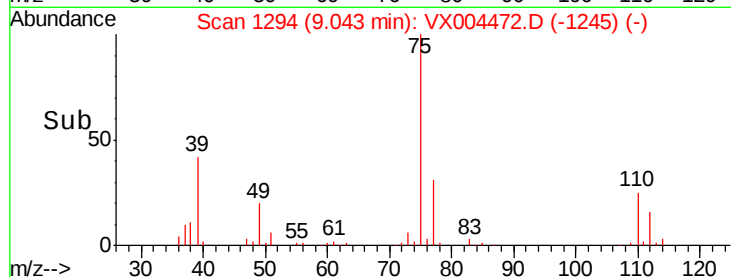
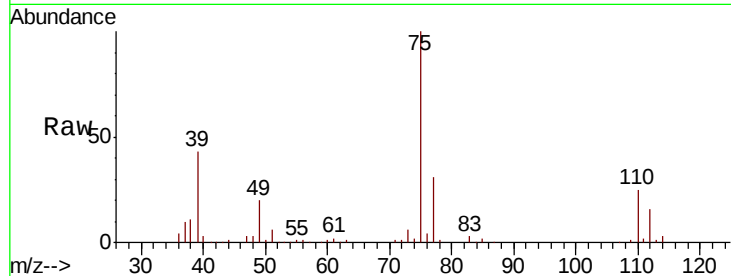
#53
t-1,3-Dichloropropene
Concen: 18.67 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX004472.D
Acq: 11 Sep 2018 18:20

Instrument :
MSVOA_X
ClientSampleId :
VX0911WBS01

Tot Ion: 75 Resp: 80098
Ion Ratio Lower Upper
75 100
77 30.8 24.6 37.0

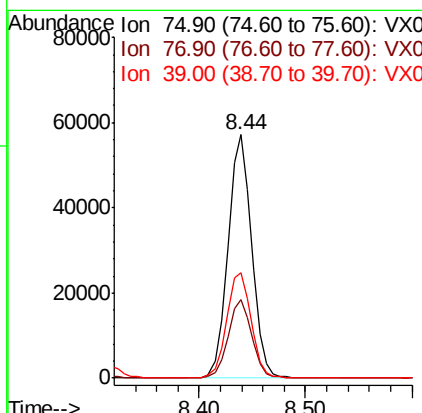
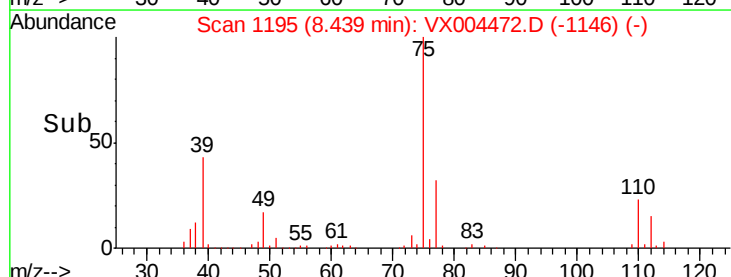
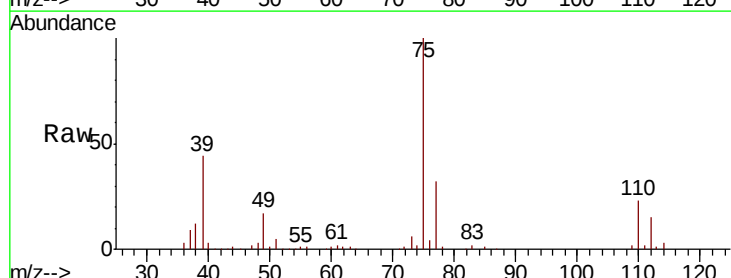
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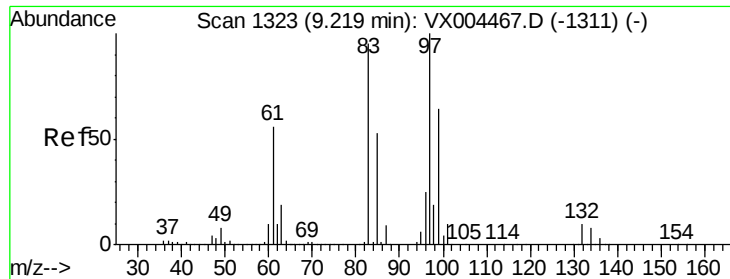
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#54
cis-1,3-Dichloropropene
Concen: 20.38 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. 0.00 min
Lab File: VX004472.D
Acq: 11 Sep 2018 18:20

Tgt Ion: 75 Resp: 89118
Ion Ratio Lower Upper
75 100
77 32.1 26.2 39.2
39 43.4 36.4 54.6





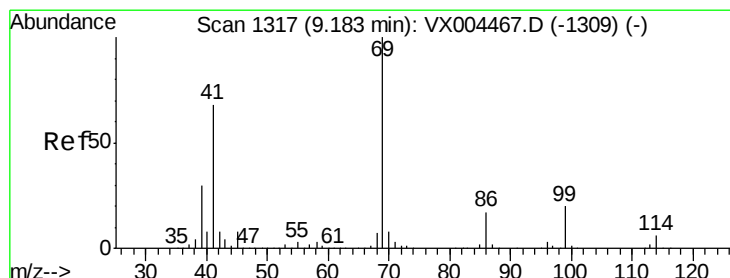
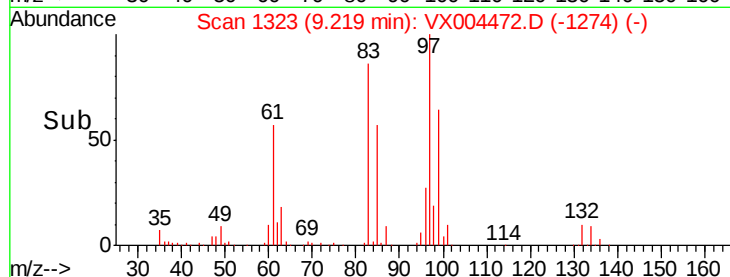
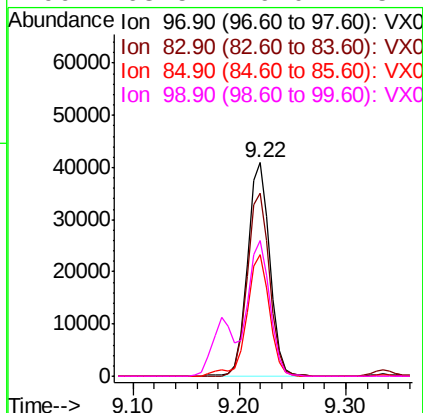
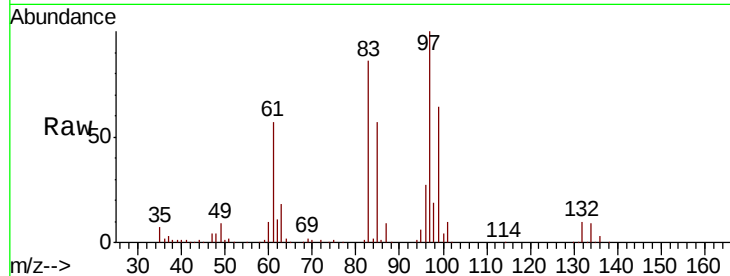
#55
1,1,2-Trichloroethane
Concen: 18.53 ug/l
RT: 9.22 min Scan# 1323
Delta R.T. 0.00 min
Lab File: VX004472.D
Acq: 11 Sep 2018 18:20

Instrument :
MSVOA_X
ClientSampleId :
VX0911WBS01

Tot Ion:	97	Resp:	60037
Ion	Ratio	Lower	Upper
97	100		
83	85.7	66.4	99.6
85	56.8	43.3	64.9
99	63.5	49.0	73.4

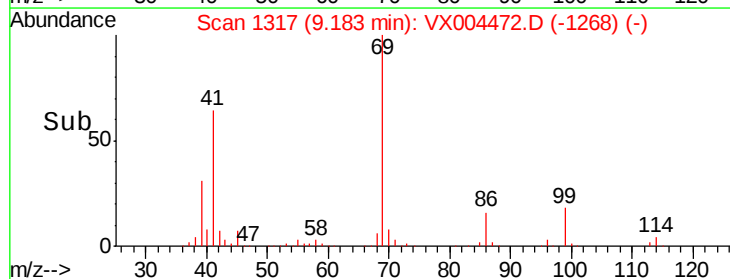
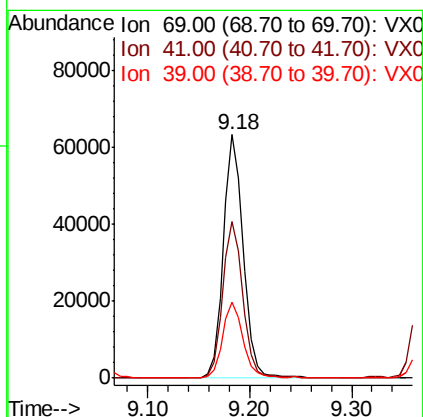
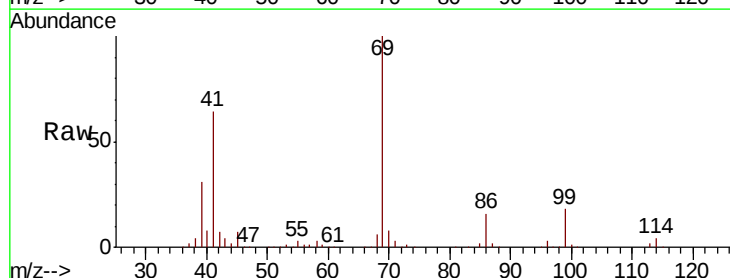
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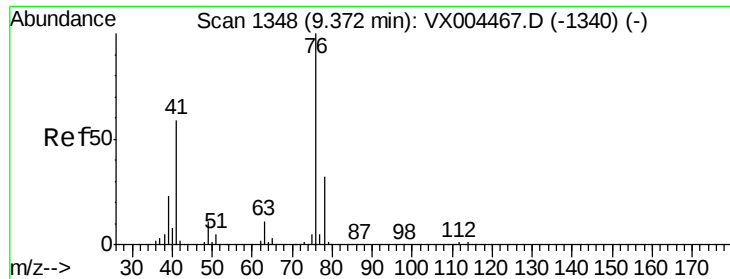
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#56
Ethyl methacrylate
Concen: 18.79 ug/l
RT: 9.18 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VX004472.D
Acq: 11 Sep 2018 18:20

Tgt Ion:	69	Resp:	86134
Ion	Ratio	Lower	Upper
69	100		
41	65.4	51.0	76.4
39	31.5	26.1	39.1





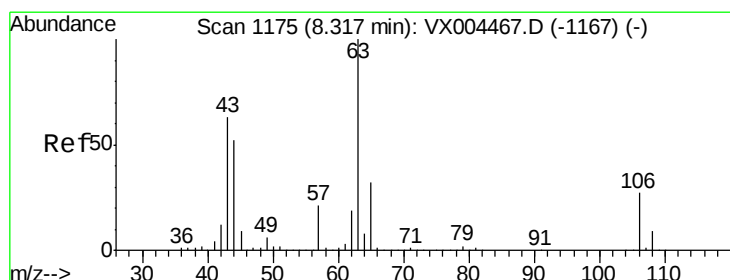
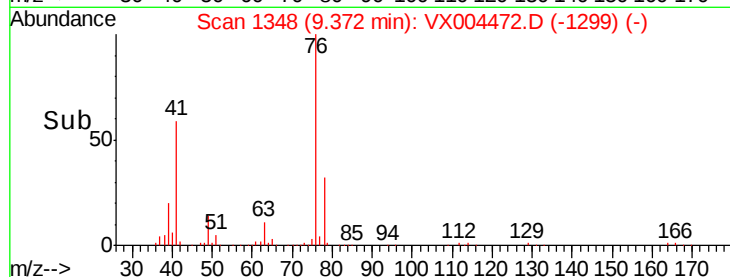
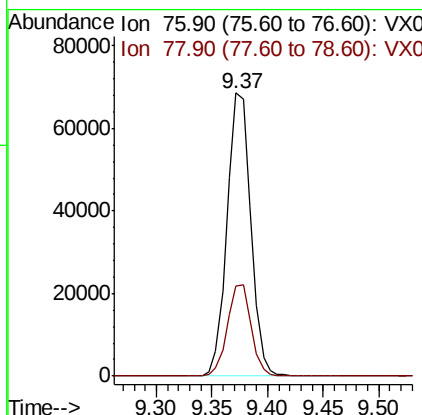
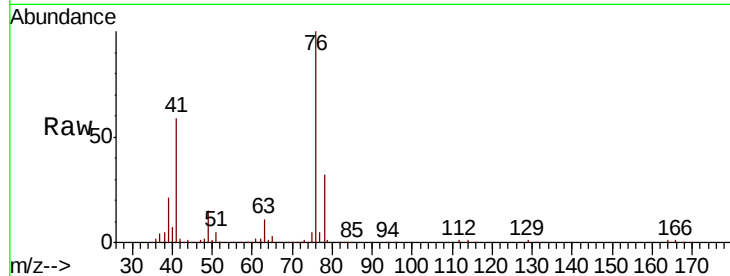
#57
 1,3-Dichloropropane
 Concen: 19.27 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX004472.D
 Acq: 11 Sep 2018 18:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0911WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.5	38.3

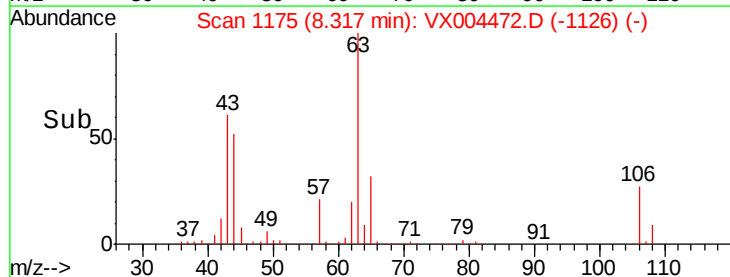
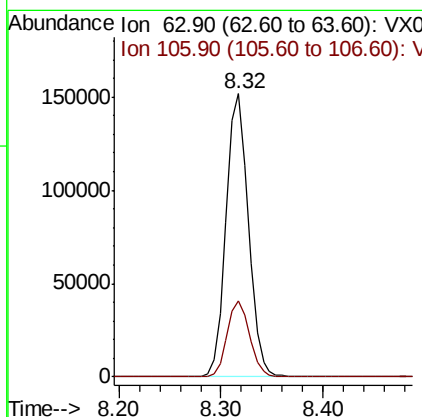
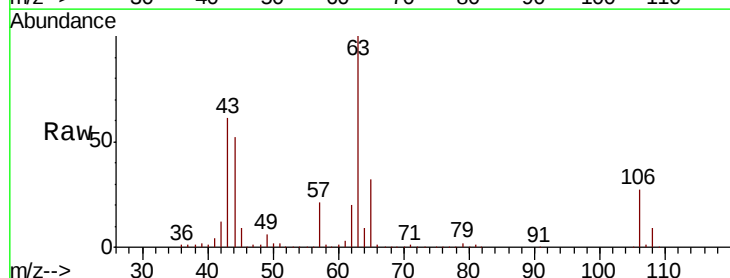
Manual Integrations
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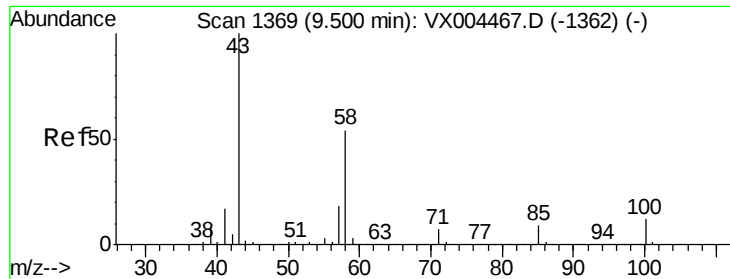
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#58
 2-Chloroethyl Vinyl ether
 Concen: 102.95 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VX004472.D
 Acq: 11 Sep 2018 18:20

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.9	23.9	35.9





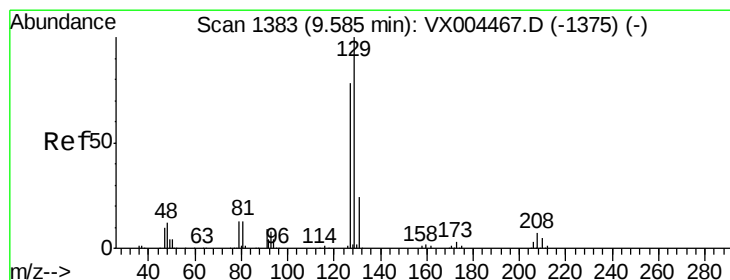
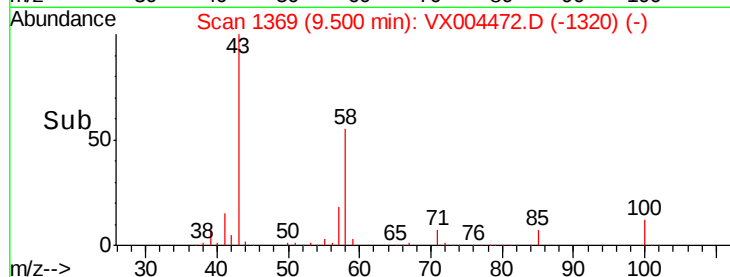
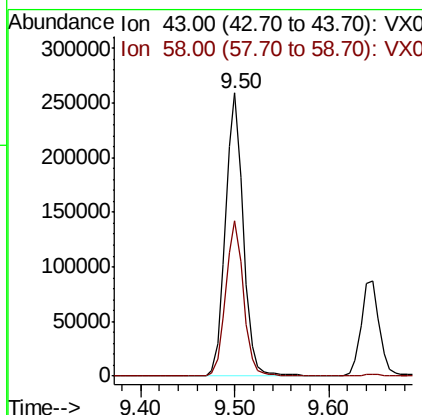
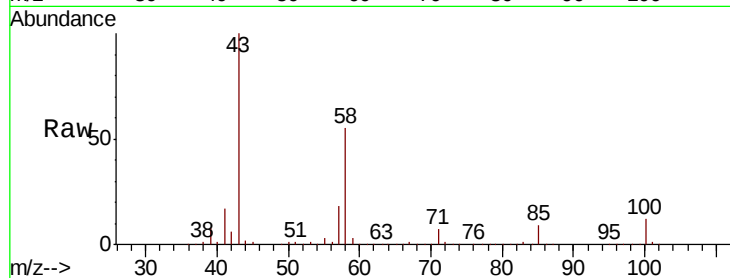
#59
2-Hexanone
Concen: 96.29 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX004472.D
Acq: 11 Sep 2018 18:20

Instrument :
MSVOA_X
ClientSampleId :
VX0911WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.1	29.0	87.0

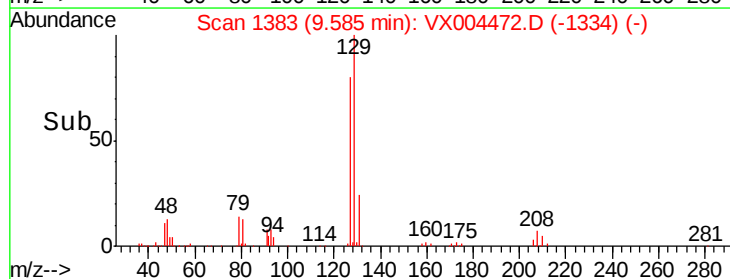
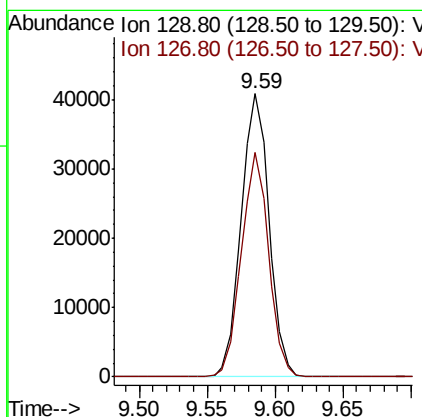
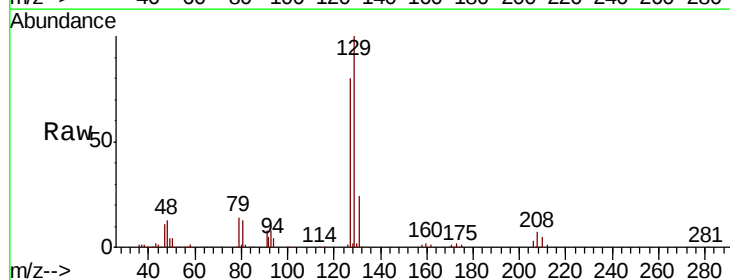
Manual Integrations
APPROVED

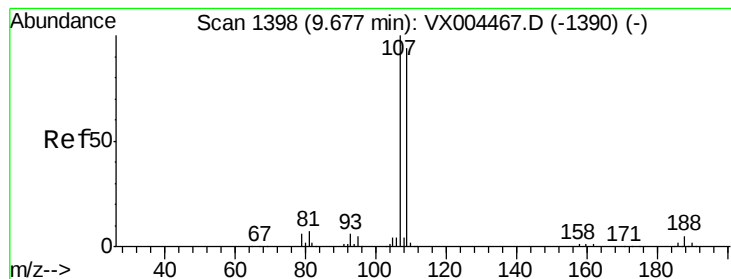
MMDadoda
9/12/2018 11:26:43 AM



#60
Dibromochloromethane
Concen: 19.21 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX004472.D
Acq: 11 Sep 2018 18:20

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.5	115.5





#61

1,2-Dibromoethane

Concen: 20.03 ug/l

RT: 9.68 min Scan# 1398

Delta R.T. 0.00 min

Lab File: VX004472.D

Acq: 11 Sep 2018 18:20

Instrument :

MSVOA_X

ClientSampleId :

VX0911WBS01

Tot Ion:107 Resp: 62019

Ion Ratio Lower Upper

107 100

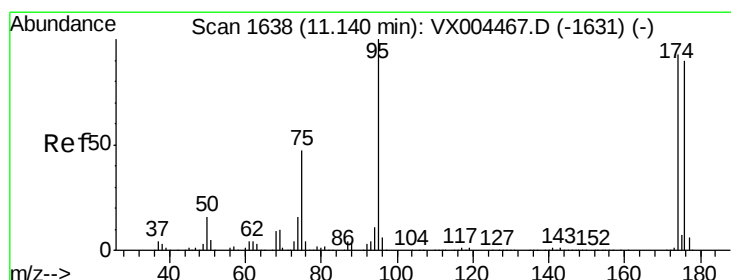
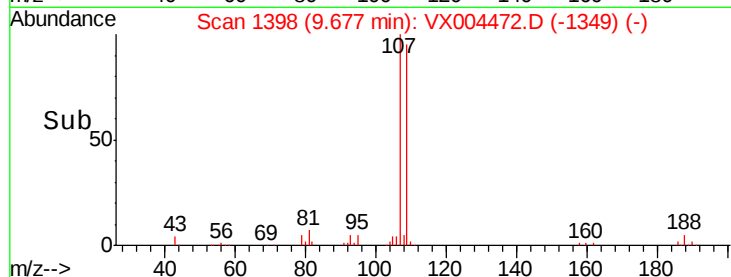
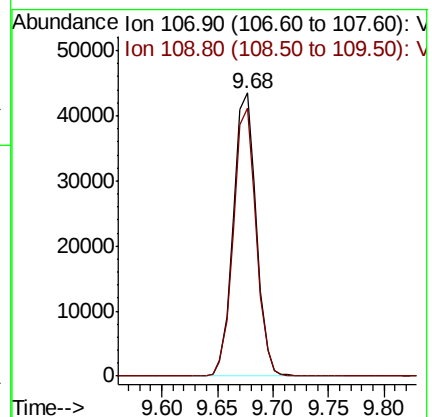
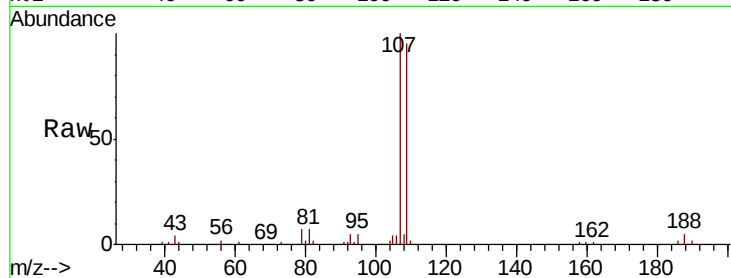
109 94.1 76.0 114.0

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 50.33 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004472.D

Acq: 11 Sep 2018 18:20

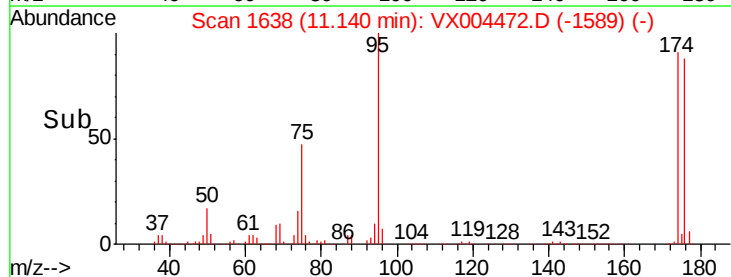
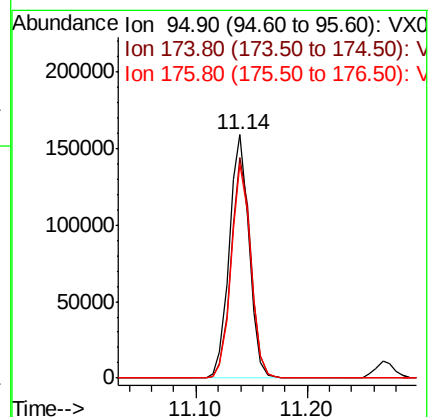
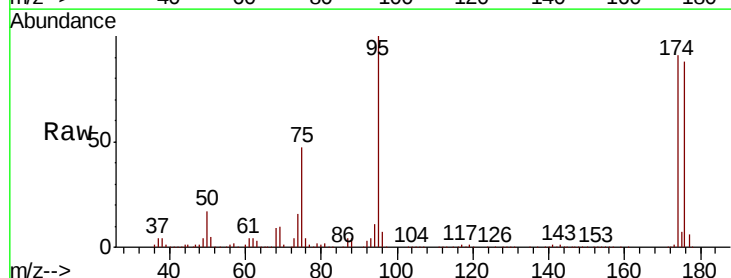
Tgt Ion: 95 Resp: 195512

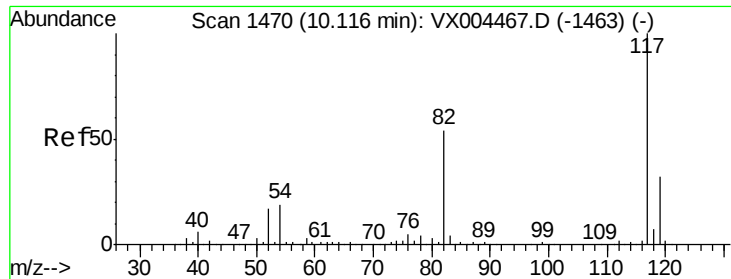
Ion Ratio Lower Upper

95 100

174 90.0 0.0 185.2

176 86.8 0.0 178.6





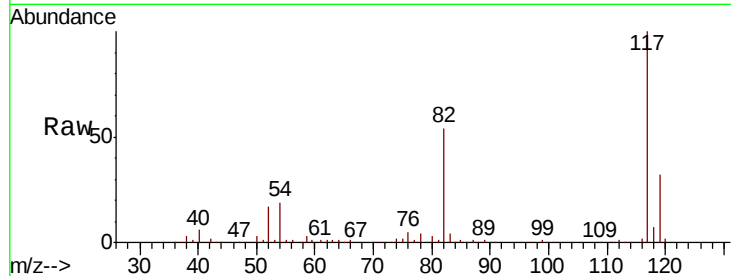
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004472.D
Acq: 11 Sep 2018 18:20

Instrument :
MSVOA_X
ClientSampleId :
VX0911WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.9	47.8	71.6
119	31.8	29.3	43.9

Manual Integrations
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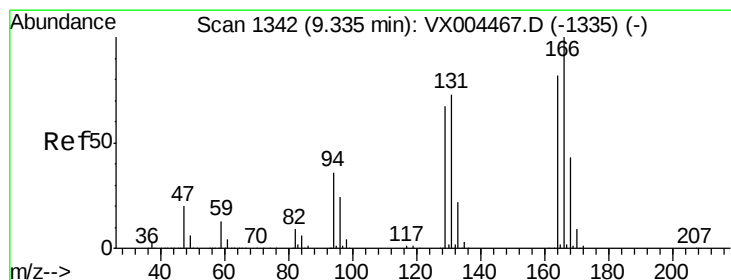
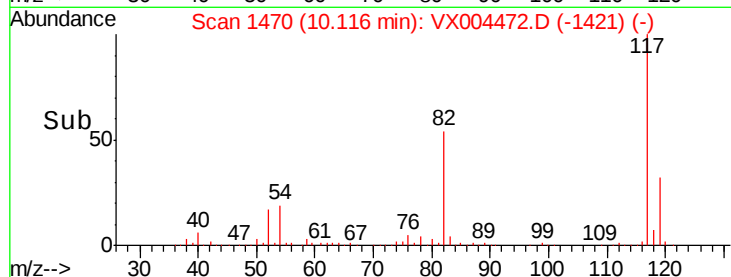
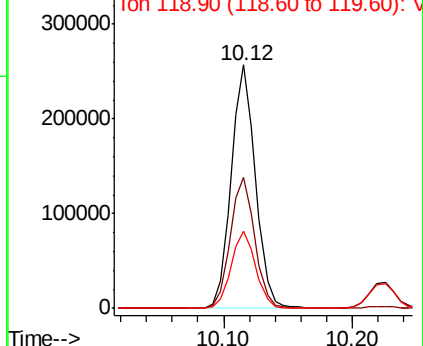


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 17.51 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX004472.D
Acq: 11 Sep 2018 18:20

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.6	102.8	154.2
129	91.0	69.4	104.0
131	87.1	67.9	101.9

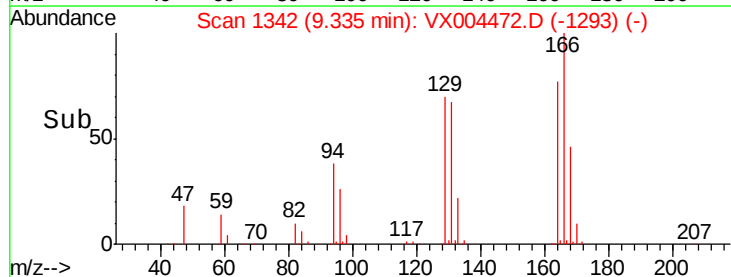
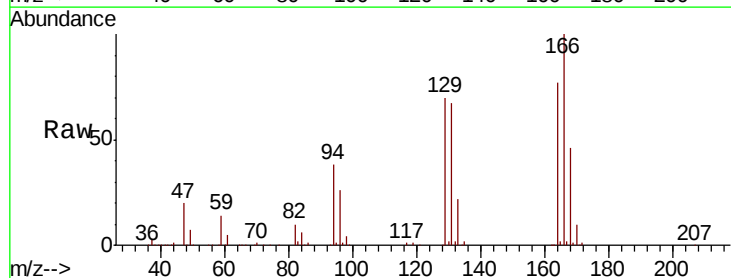
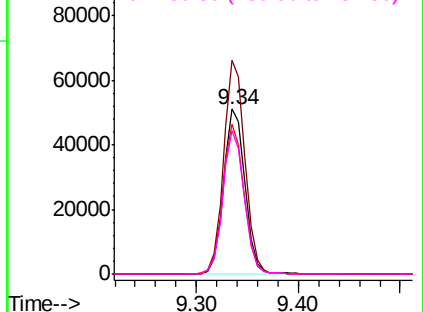
Abundance

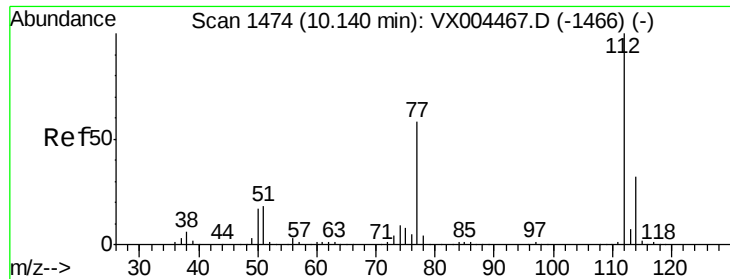
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





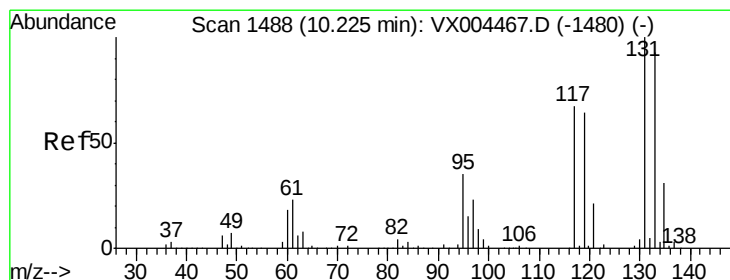
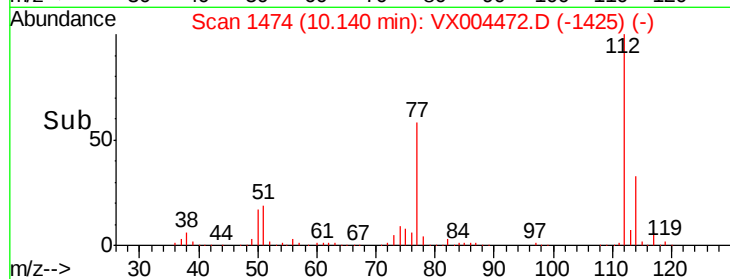
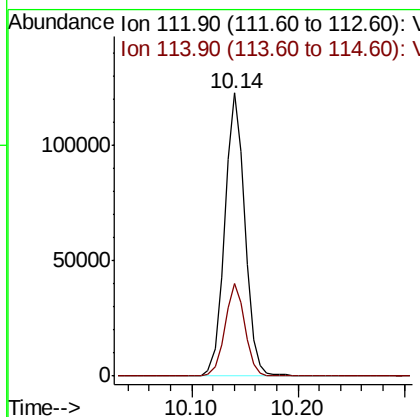
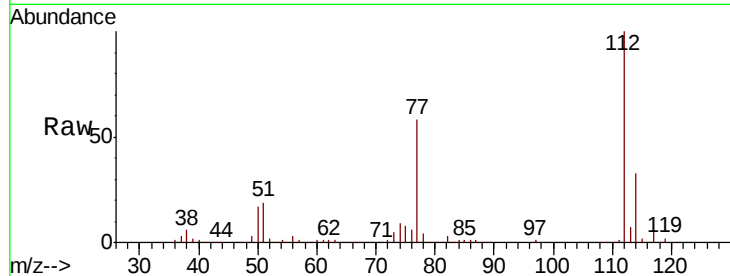
#65
Chlorobenzene
Concen: 19.41 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX004472.D
Acq: 11 Sep 2018 18:20

Instrument :
MSVOA_X
ClientSampleId :
VX0911WBS01

Tot Ion:112 Resp: 163553
Ion Ratio Lower Upper
112 100
114 32.6 27.8 41.8

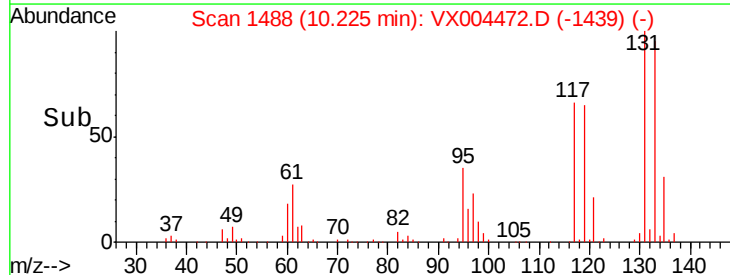
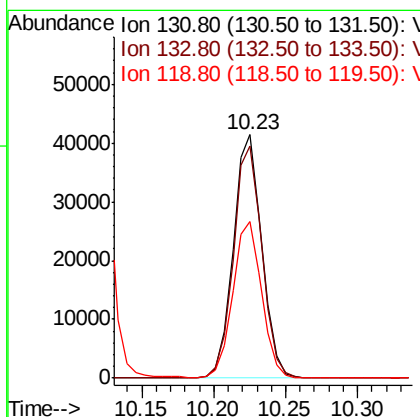
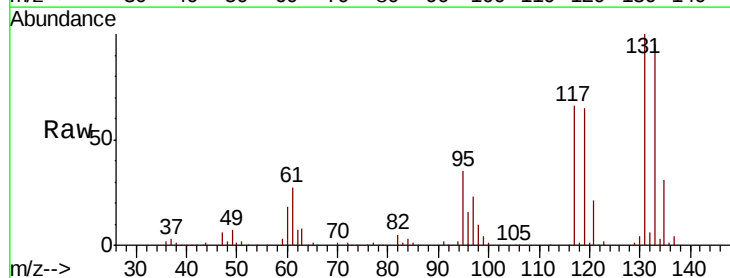
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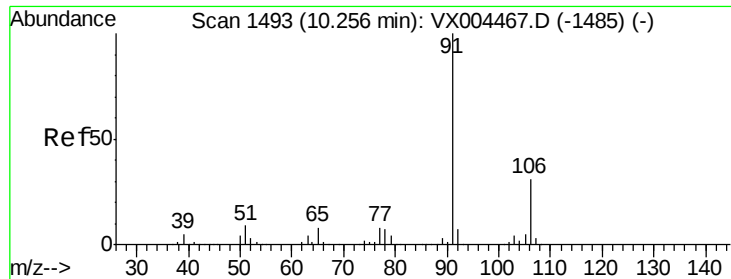
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.57 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VX004472.D
Acq: 11 Sep 2018 18:20

Tgt Ion:131 Resp: 56879
Ion Ratio Lower Upper
131 100
133 95.9 48.1 144.4
119 65.8 32.9 98.6





#67

Ethyl Benzene

Concen: 20.04 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VX004472.D

Acq: 11 Sep 2018 18:20

Instrument :

MSVOA_X

ClientSampled :

VX0911WBS01

Tot Ion: 91 Resp: 274560

Ion Ratio Lower Upper

91 100

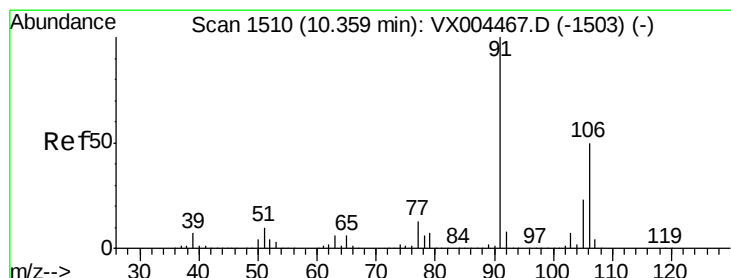
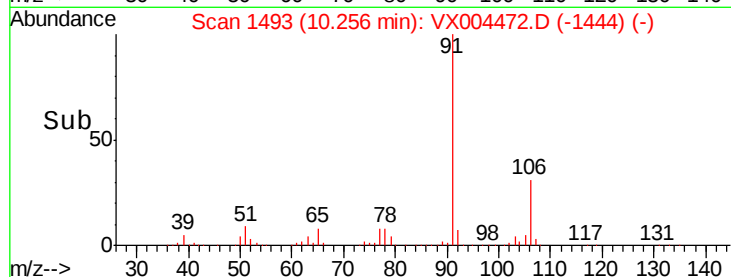
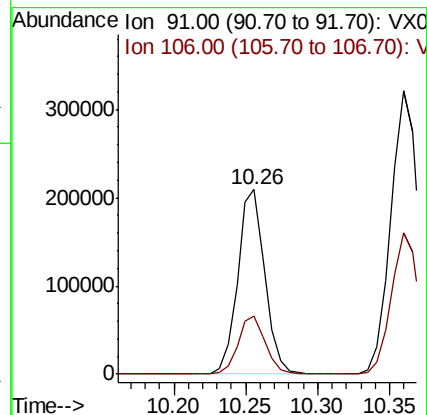
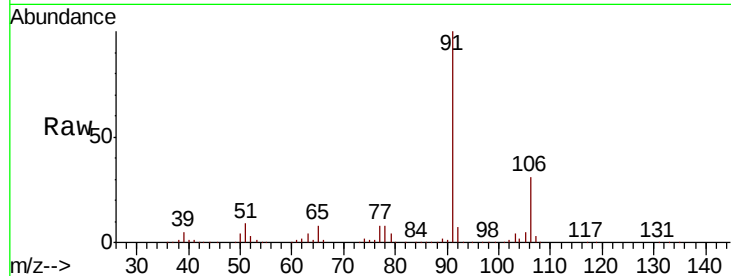
106 31.4 25.9 38.9

Manual Integrations

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#68

m/p-Xylenes

Concen: 40.82 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX004472.D

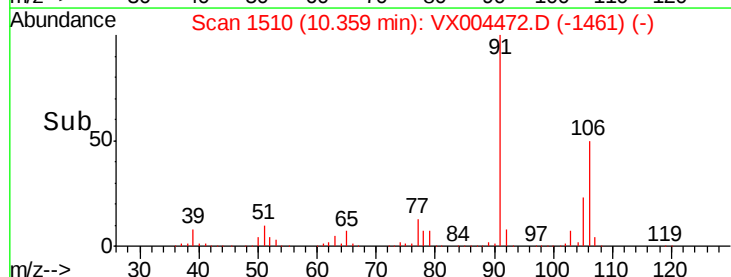
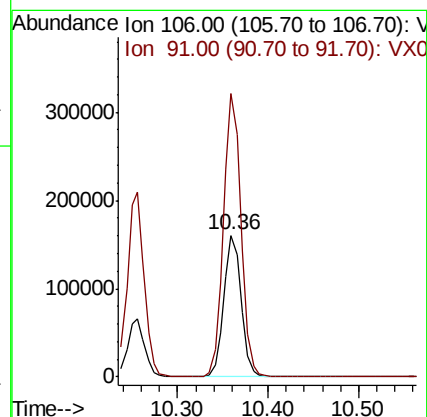
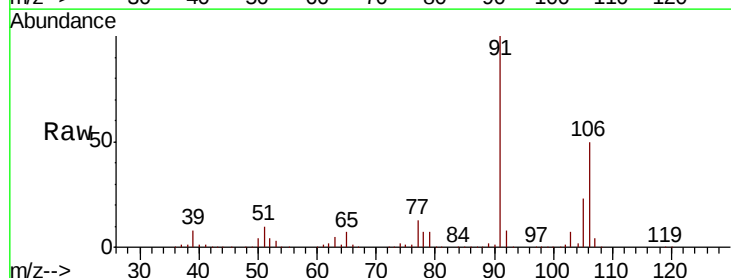
Acq: 11 Sep 2018 18:20

Tgt Ion: 106 Resp: 215470

Ion Ratio Lower Upper

106 100

91 201.0 157.1 235.7





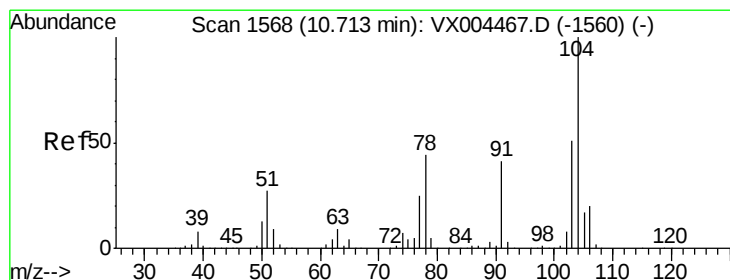
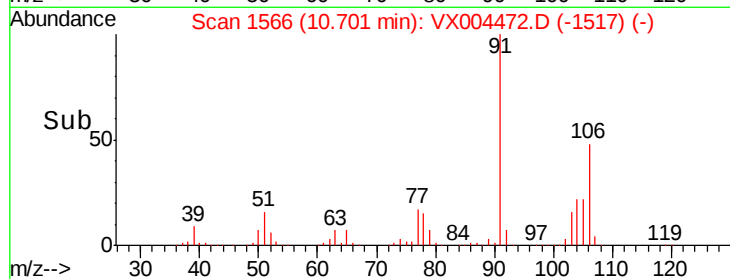
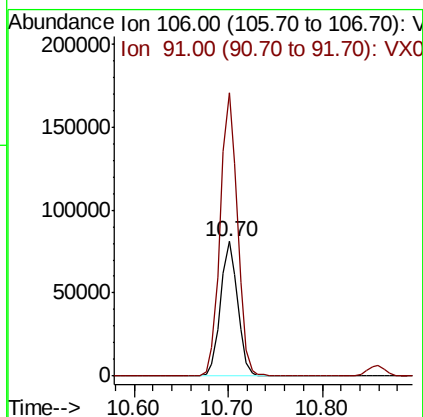
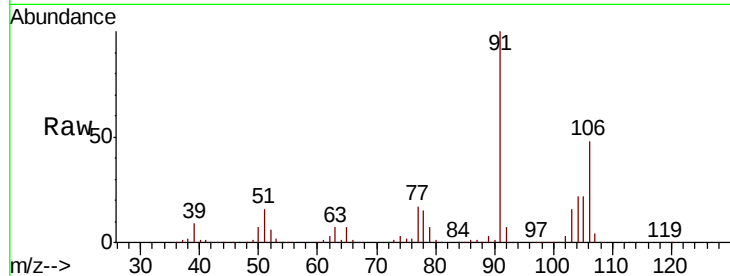
#69
o-Xylene
Concen: 20.28 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX004472.D
Acq: 11 Sep 2018 18:20

Instrument :
MSVOA_X
ClientSampleId :
VX0911WBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	211.3	105.1	315.1

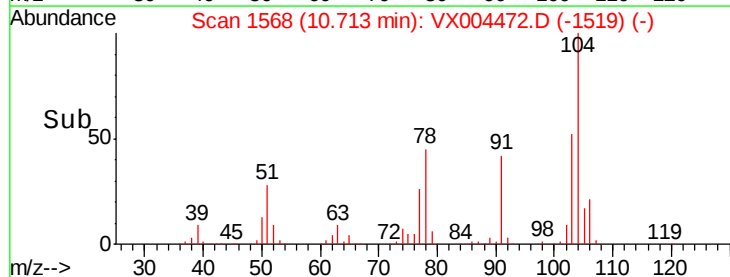
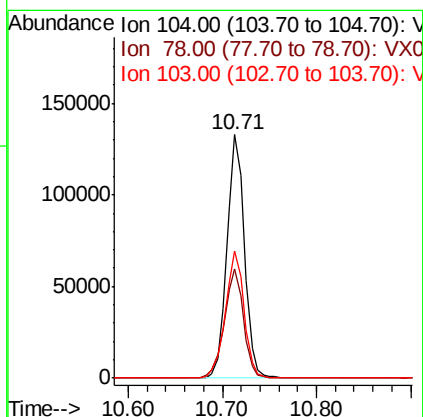
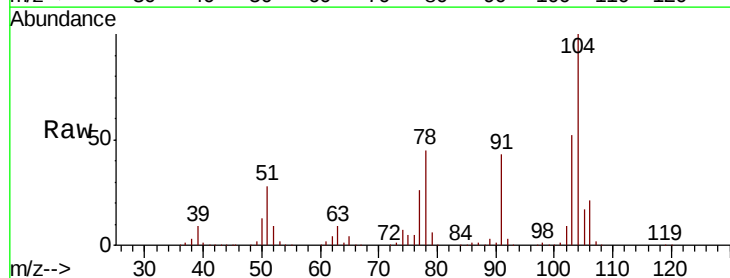
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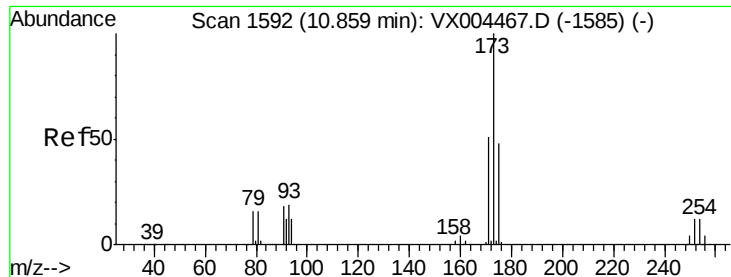
MMDadoda
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#70
Styrene
Concen: 20.44 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX004472.D
Acq: 11 Sep 2018 18:20

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.8	37.4	56.0
103	55.6	43.8	65.6





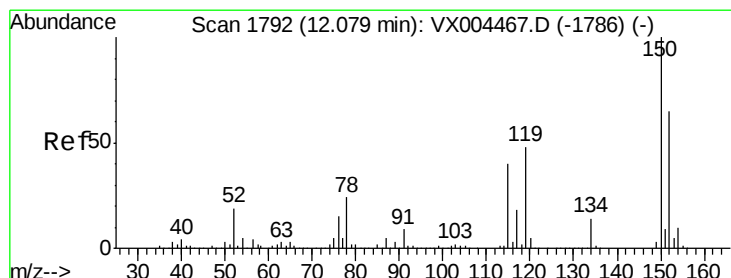
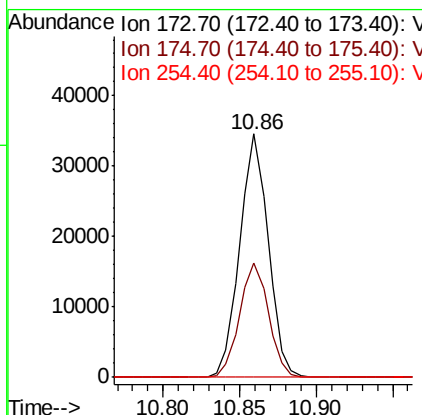
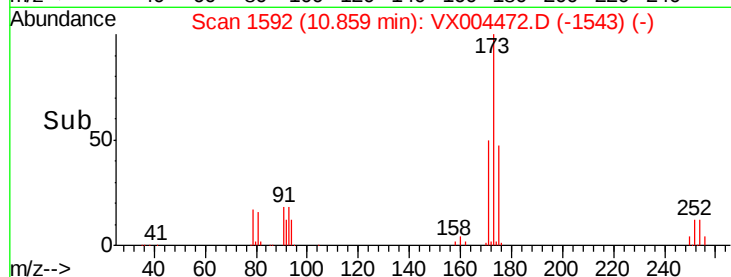
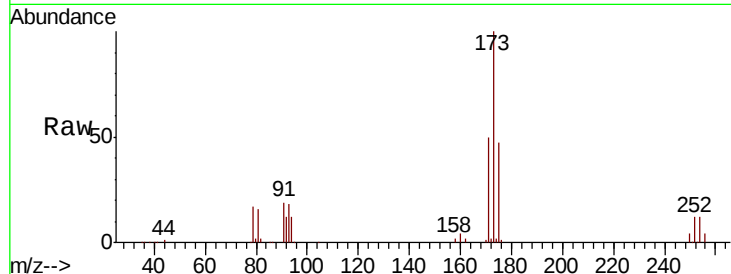
#71
Bromoform
Concen: 18.76 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VX004472.D
Acq: 11 Sep 2018 18:20

Instrument :
MSVOA_X
ClientSampleId :
VX0911WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.8	24.1	72.3
254	0.0	0.2	0.2

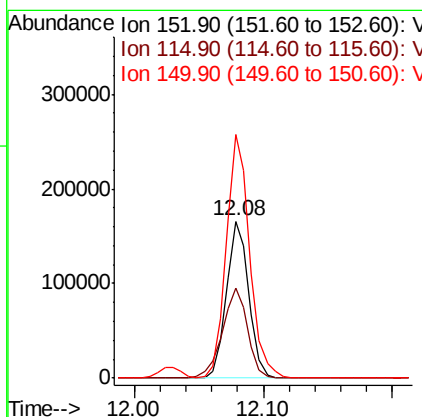
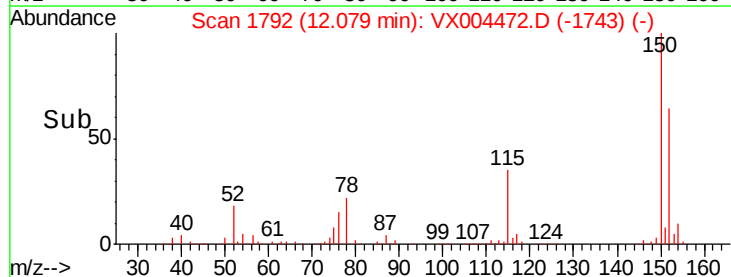
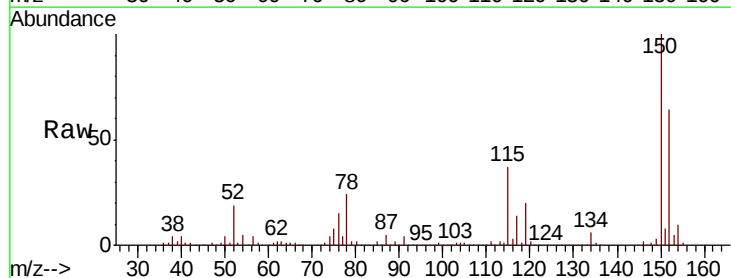
Manual Integrations
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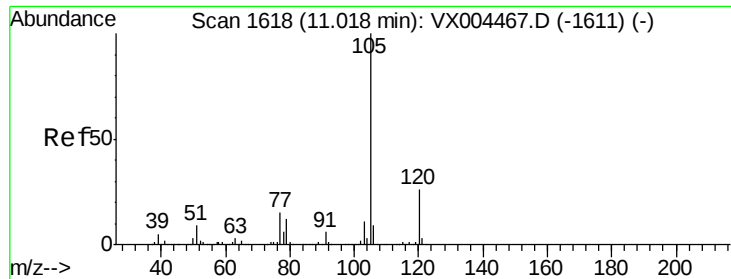
MMDadoda
9/12/2018 11:26:43 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004472.D
Acq: 11 Sep 2018 18:20

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.6	39.0	117.0
150	163.1	0.0	351.0





#73

Isopropylbenzene

Concen: 20.96 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX004472.D

Acq: 11 Sep 2018 18:20

Instrument :

MSVOA_X

ClientSampleId :

VX0911WBS01

Tot Ion:105 Resp: 277584

Ion Ratio Lower Upper

105 100

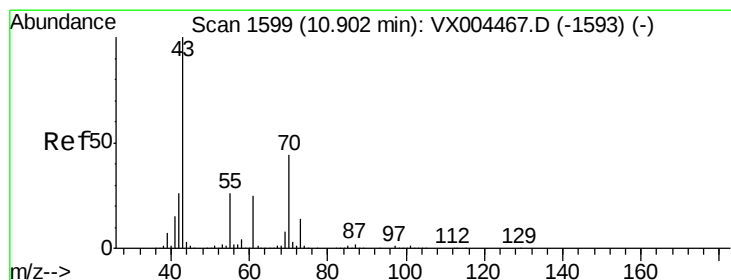
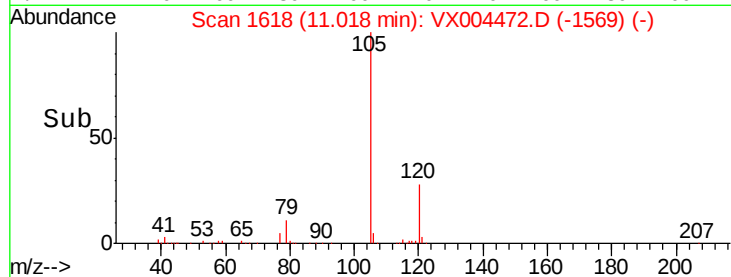
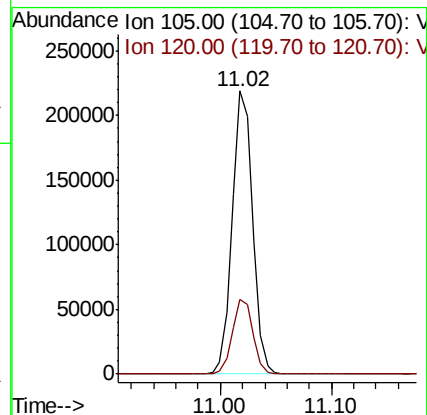
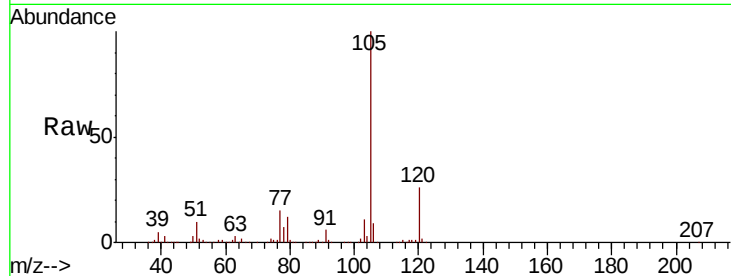
120 26.6 13.5 40.4

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#74

N-ethyl acetate

Concen: 20.38 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VX004472.D

Acq: 11 Sep 2018 18:20

Tgt Ion: 43 Resp: 113572

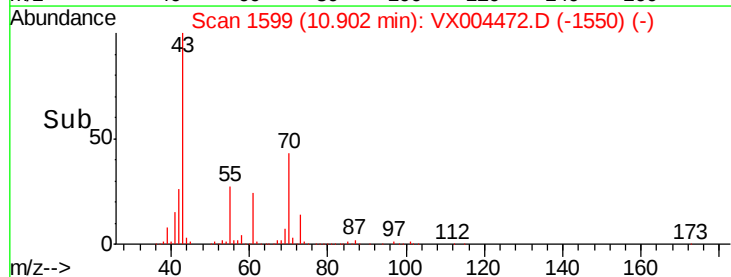
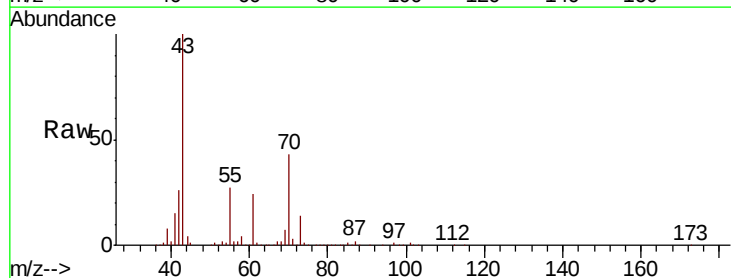
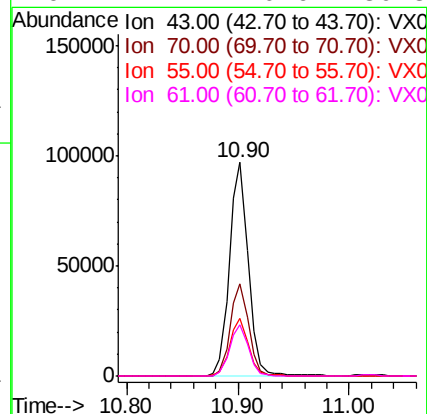
Ion Ratio Lower Upper

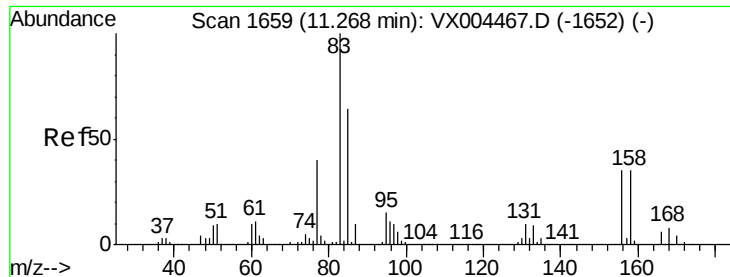
43 100

70 42.7 37.4 56.0

55 27.1 21.8 32.8

61 24.2 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 20.29 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX004472.D

Acq: 11 Sep 2018 18:20

Instrument :

MSVOA_X

ClientSampleId :

VX0911WBS01

Tot Ion: 83 Resp: 86674

Ion Ratio Lower Upper

83 100

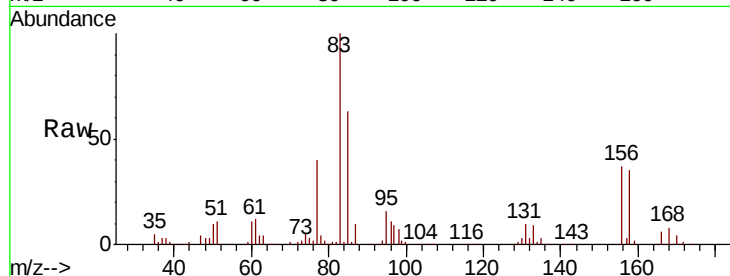
131 10.0 5.2 15.6

85 63.9 32.3 96.8

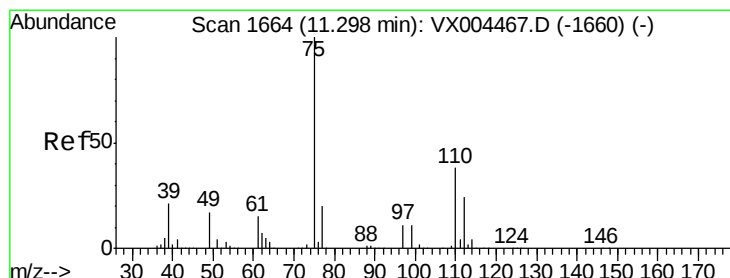
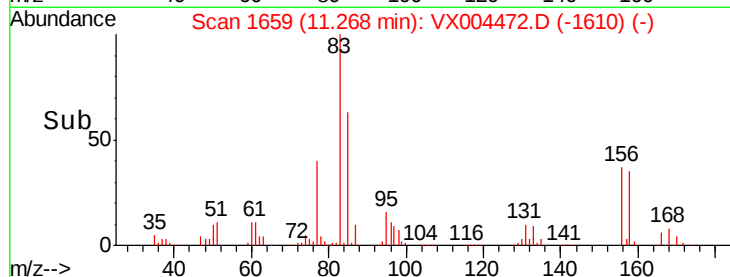
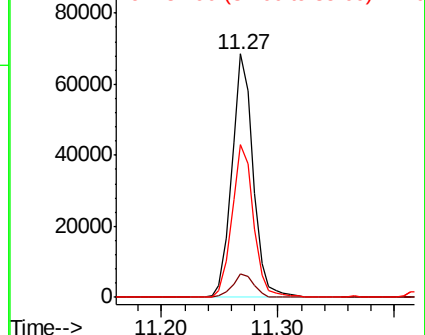
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 20.91 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX004472.D

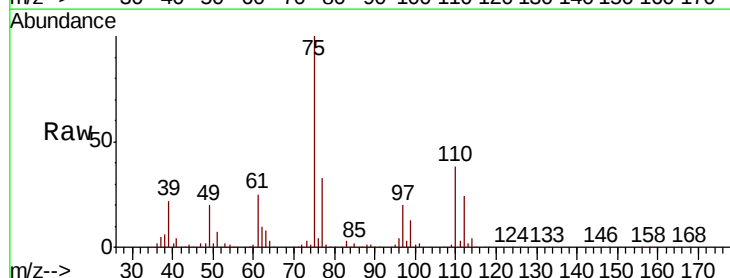
Acq: 11 Sep 2018 18:20

Tgt Ion: 75 Resp: 82148

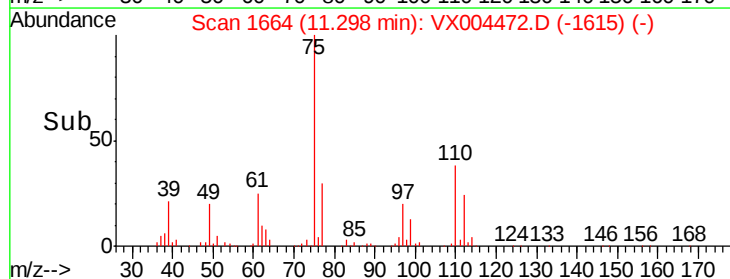
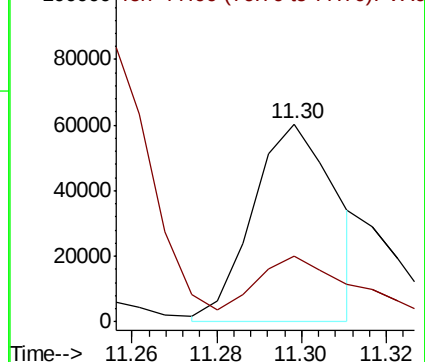
Ion Ratio Lower Upper

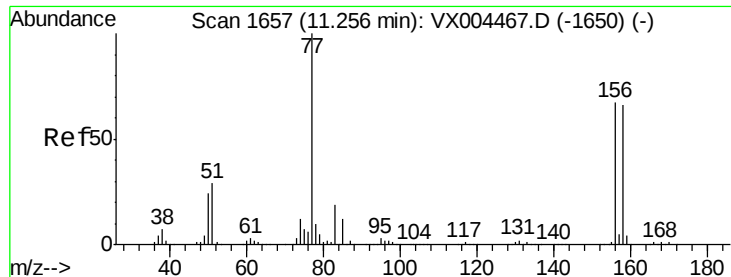
75 100

77 41.1 20.2 60.6



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





#77

Bromobenzene

Concen: 20.37 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX004472.D

Acq: 11 Sep 2018 18:20

Instrument :

MSVOA_X

ClientSampleId :

VX0911WBS01

Tot Ion:156 Resp: 74553

Ion Ratio Lower Upper

156 100

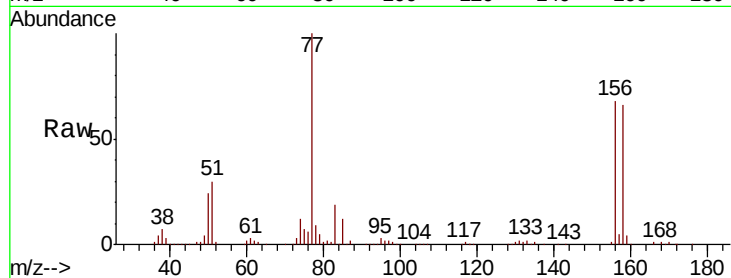
77 147.5 71.5 214.3

158 97.2 48.9 146.8

Manual Integrations
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MMDadoda

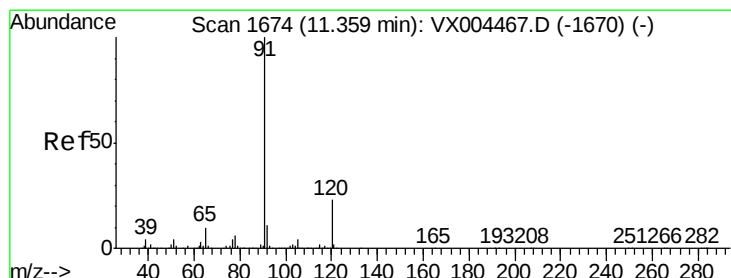
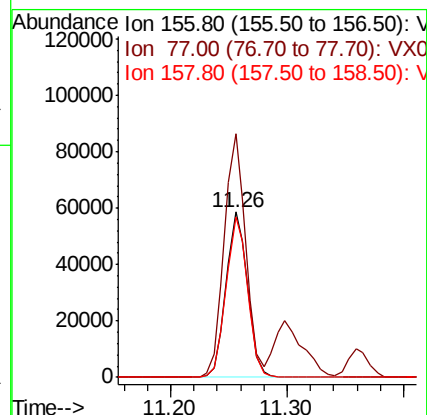
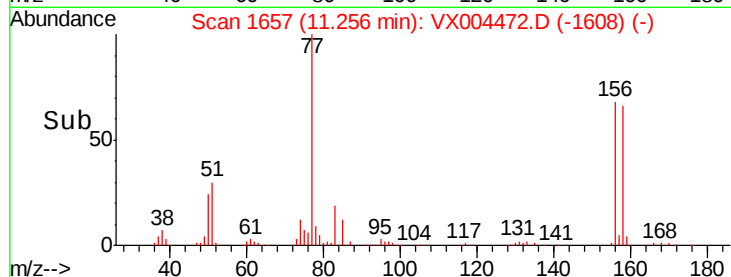
9/12/2018 11:26:43 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.98 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX004472.D

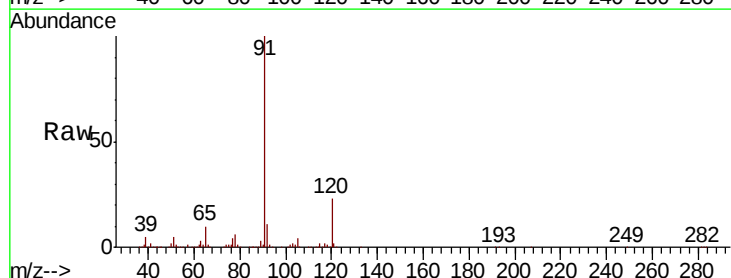
Acq: 11 Sep 2018 18:20

Tgt Ion: 91 Resp: 319441

Ion Ratio Lower Upper

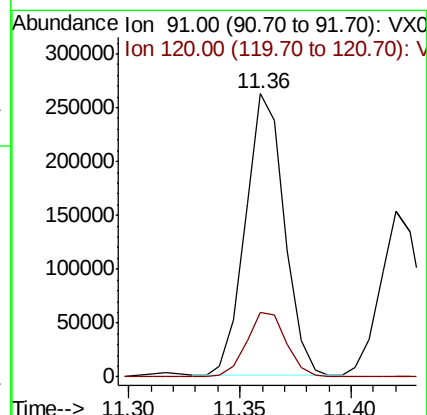
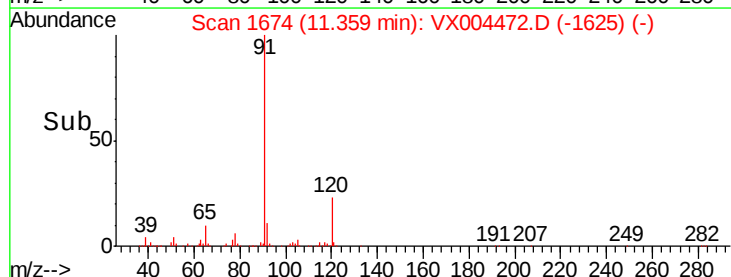
91 100

120 23.6 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: 20.60 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX004472.D

Acq: 11 Sep 2018 18:20

Instrument :

MSVOA_X

ClientSampleId :

VX0911WBS01

Tot Ion: 91 Resp: 190259

Ion Ratio Lower Upper

91 100

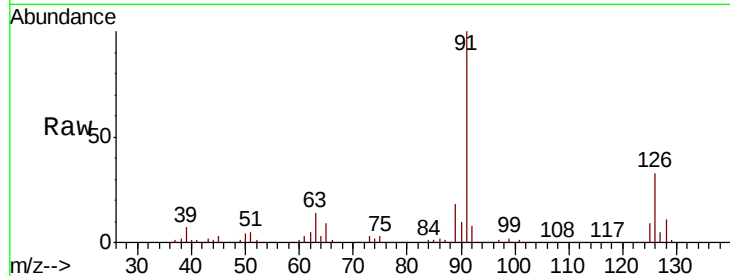
126 35.1 17.9 53.7

Manual Integrations

APPROVED

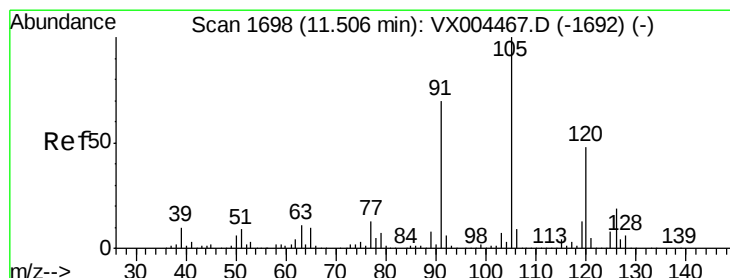
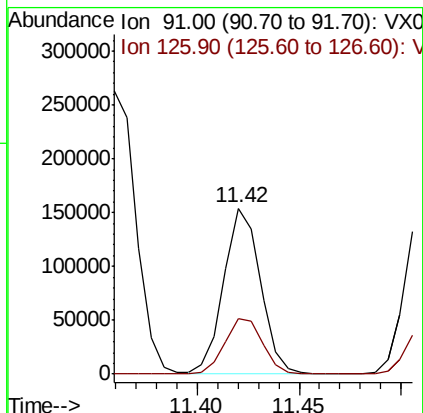
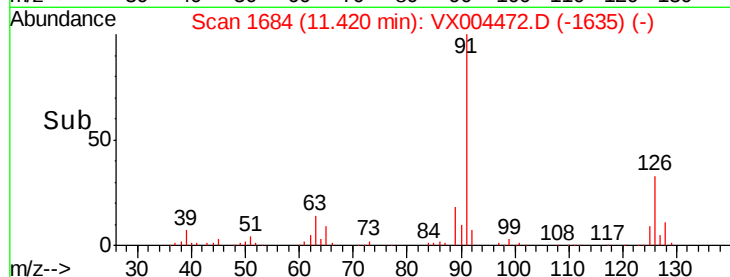
MMDadoda

9/12/2018 11:26:43 AM



Abundance Ion 91.00 (90.70 to 91.70): VX004467.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX004467.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.94 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX004472.D

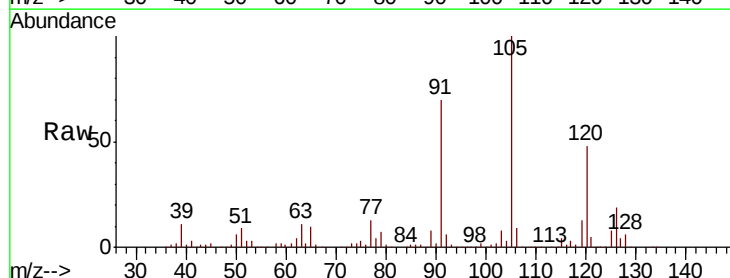
Acq: 11 Sep 2018 18:20

Tgt Ion:105 Resp: 233121

Ion Ratio Lower Upper

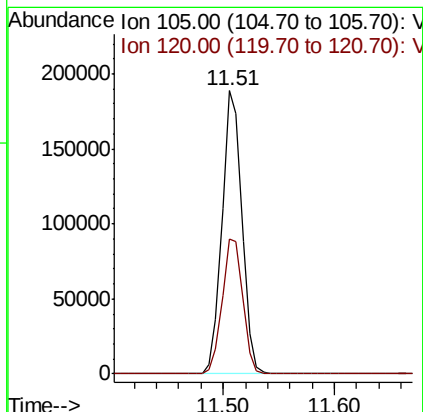
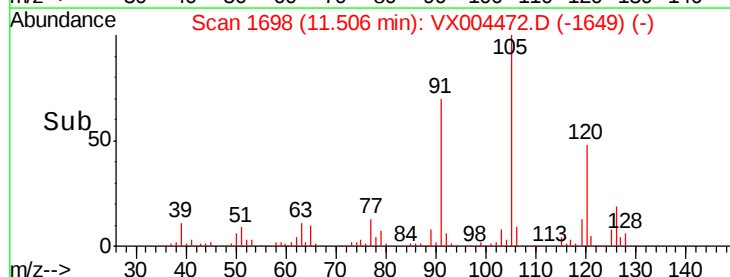
105 100

120 49.4 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): VX004467.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX004467.D (-1692) (-)





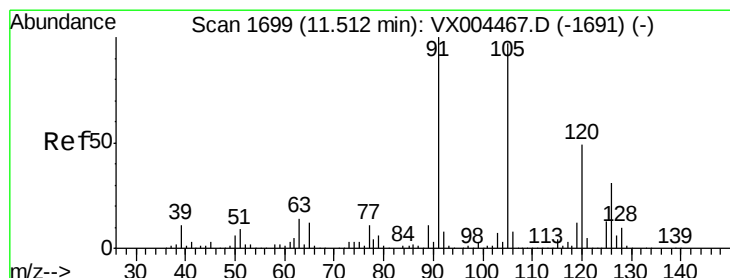
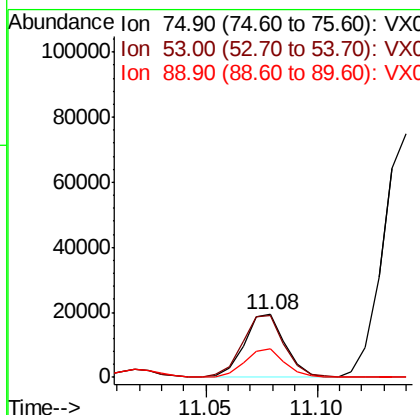
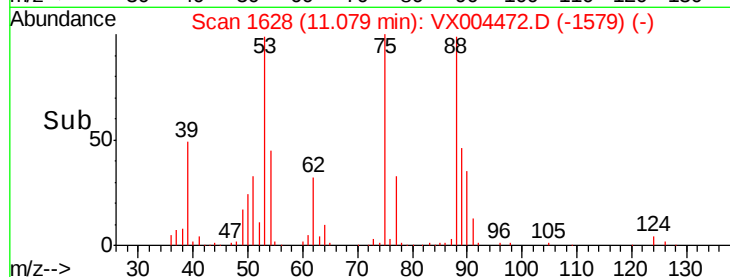
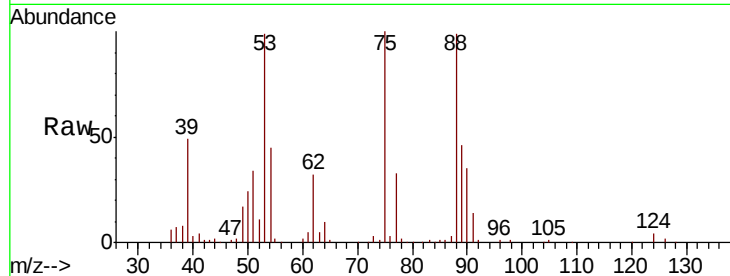
#81
trans-1,4-Dichloro-2-butene
Concen: 19.34 ug/l
RT: 11.08 min Scan# 1628
Delta R.T. -0.00 min
Lab File: VX004472.D
Acq: 11 Sep 2018 18:20

Instrument :
MSVOA_X
ClientSampleId :
VX0911WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	103.0	80.1	120.1
89	44.8	37.2	55.8

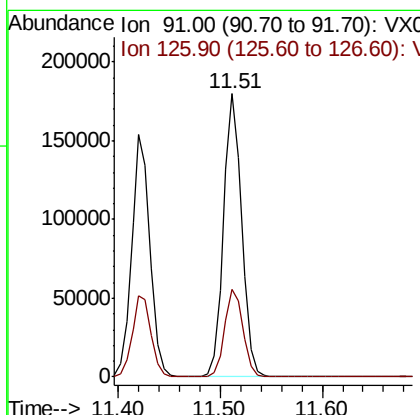
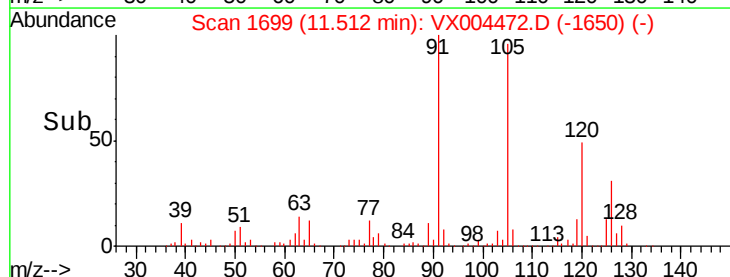
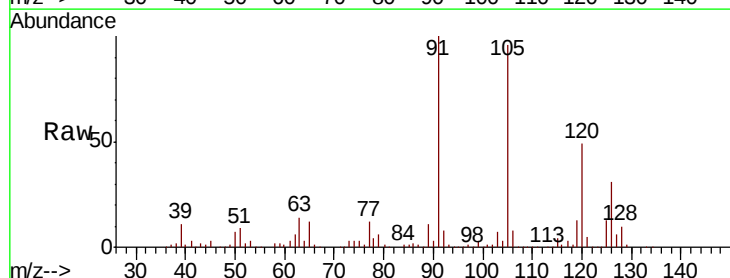
Manual Integrations
APPROVED

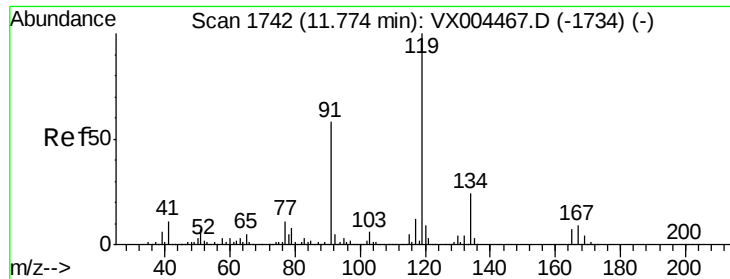
MMDadoda
9/12/2018 11:26:43 AM



#82
4-Chlorotoluene
Concen: 20.71 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX004472.D
Acq: 11 Sep 2018 18:20

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.5	46.5





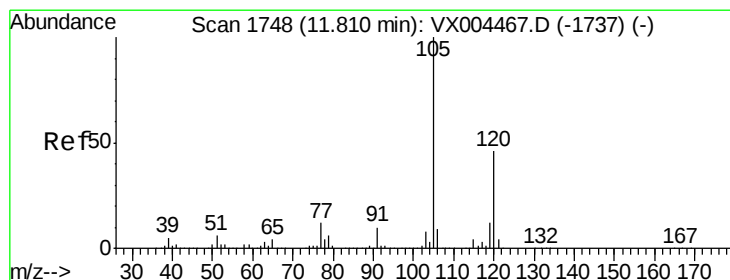
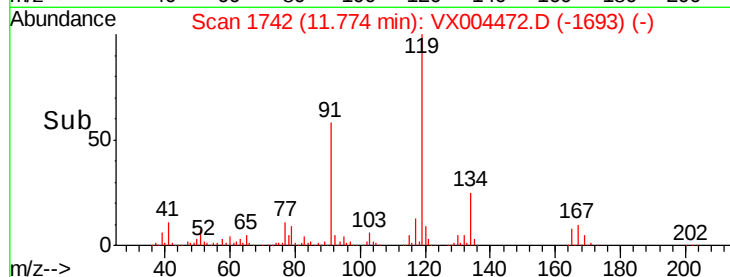
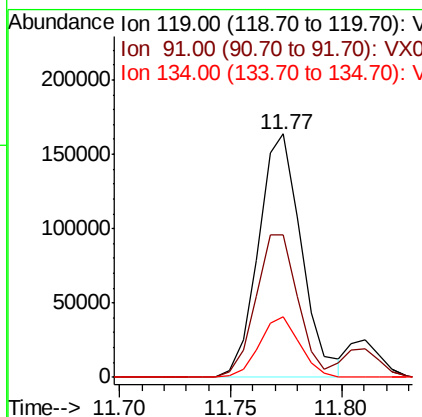
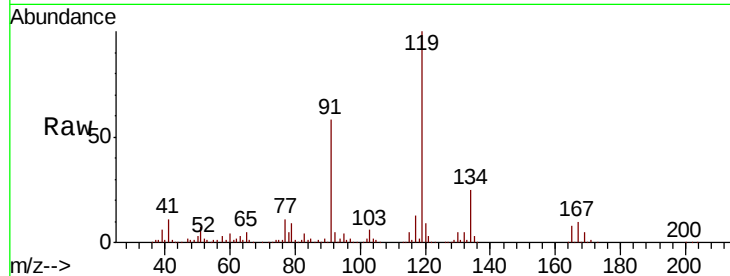
#83
tert-Butylbenzene
Concen: 20.76 ug/l
RT: 11.77 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX004472.D
Acq: 11 Sep 2018 18:20

Instrument :
MSVOA_X
ClientSampleId :
VX0911WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	219999		
91	57.4		27.0	81.0
134	23.5		11.7	35.1

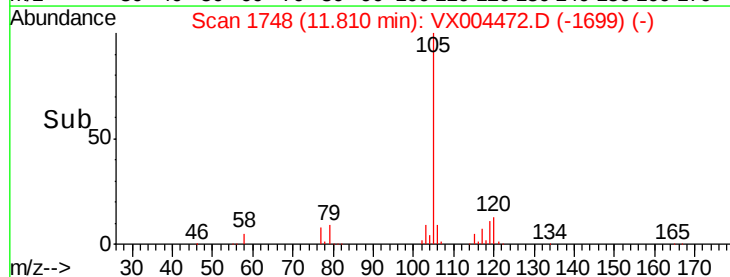
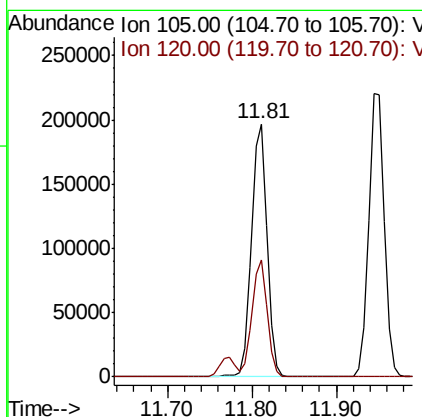
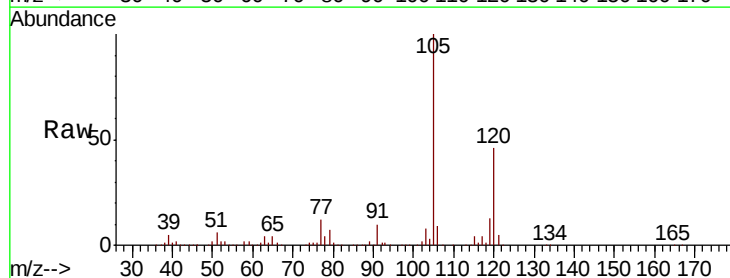
Manual Integrations
APPROVED

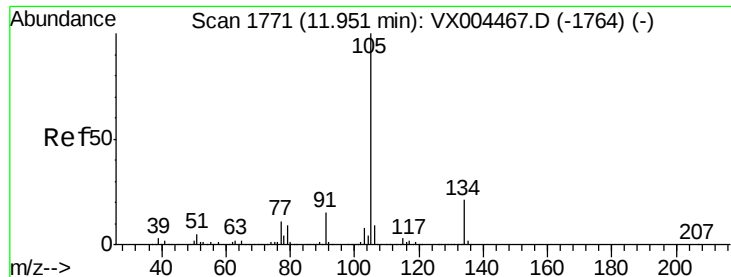
MMDadoda
9/12/2018 11:26:43 AM



#84
1,2,4-Trimethylbenzene
Concen: 21.36 ug/l
RT: 11.81 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VX004472.D
Acq: 11 Sep 2018 18:20

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	242836		
120	45.0		23.2	69.6





#85

sec-Butylbenzene

Concen: 20.96 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX004472.D

Acq: 11 Sep 2018 18:20

Instrument :

MSVOA_X

ClientSampled :

VX0911WBS01

Tot Ion:105 Resp: 283131

Ion Ratio Lower Upper

105 100

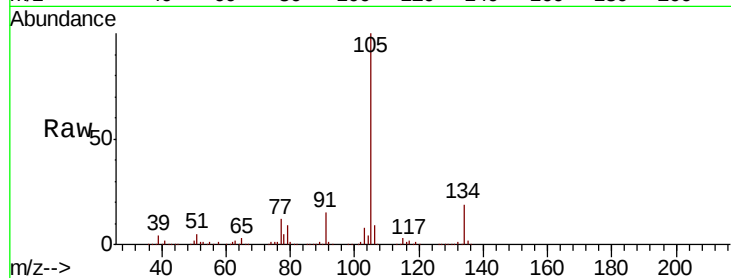
134 20.1 10.5 31.5

Manual Integrations

APPROVED

MMDadoda

9/12/2018 11:26:43 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

250000

200000

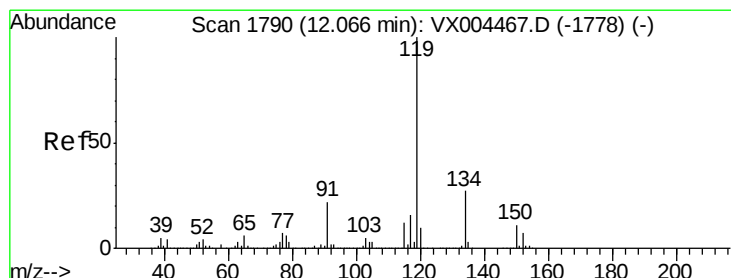
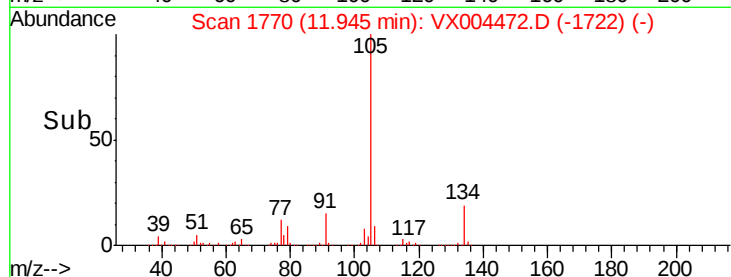
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 21.03 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX004472.D

Acq: 11 Sep 2018 18:20

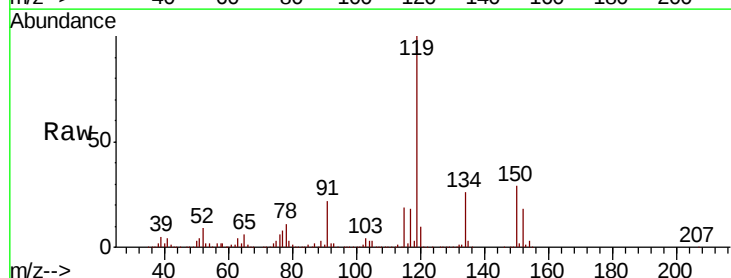
Tgt Ion:119 Resp: 250855

Ion Ratio Lower Upper

119 100

134 26.5 13.4 40.2

91 22.7 10.9 32.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

12.07

250000

200000

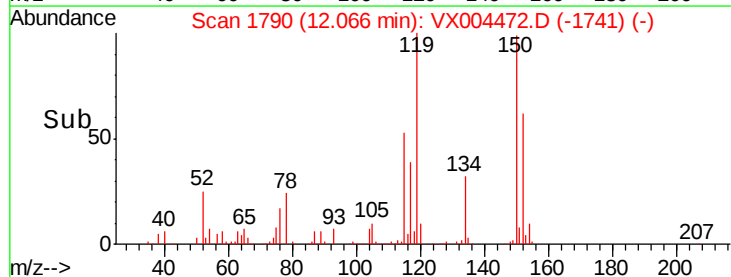
150000

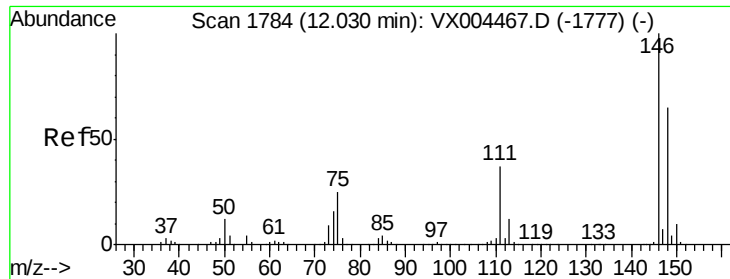
100000

50000

0

Time-->





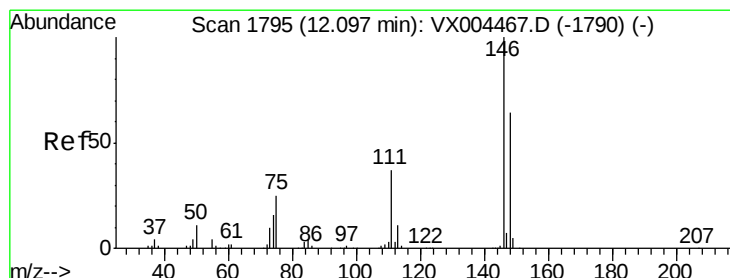
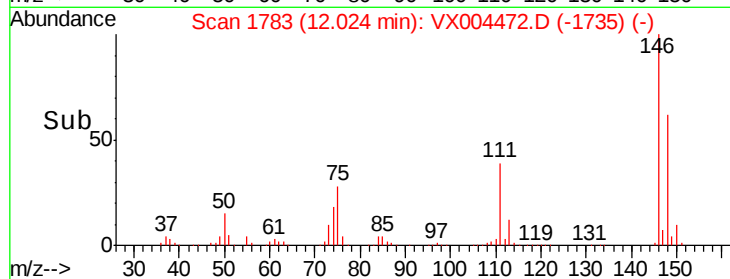
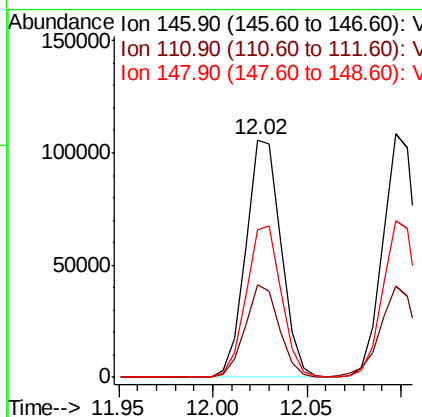
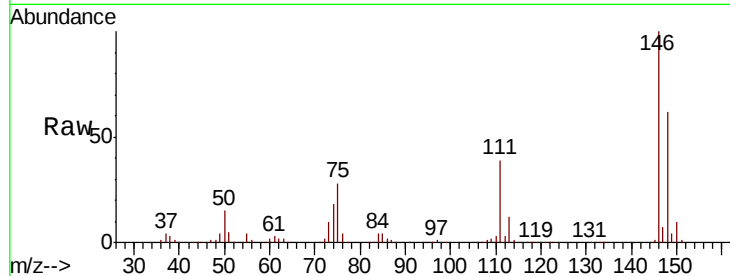
#87
 1,3-Dichlorobenzene
 Concen: 20.09 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.01 min
 Lab File: VX004472.D
 Acq: 11 Sep 2018 18:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0911WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.7	56.1
148	63.7	32.1	96.5

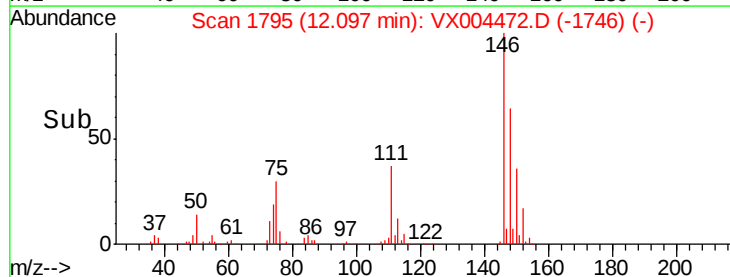
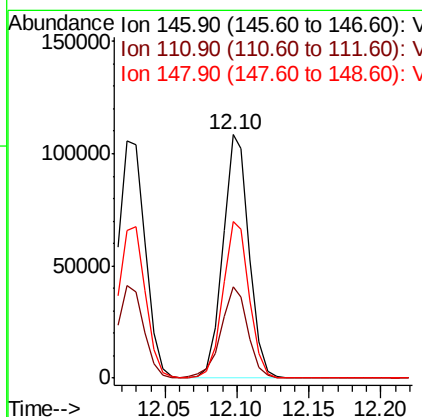
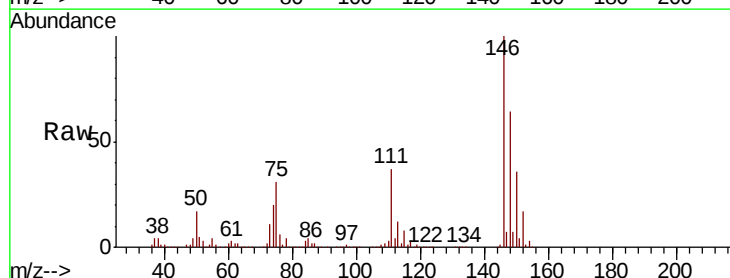
Manual Integrations
 APPROVED

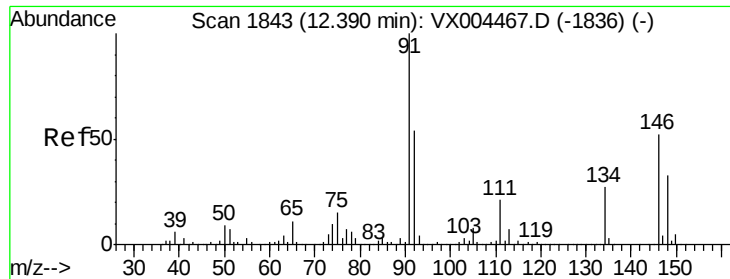
MMDadoda
 9/12/2018 11:26:43 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.55 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX004472.D
 Acq: 11 Sep 2018 18:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.1	54.1
148	65.1	32.0	96.0





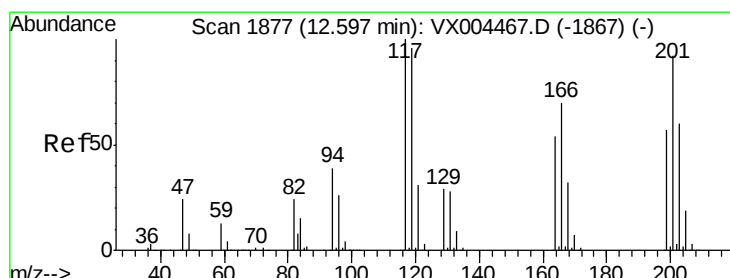
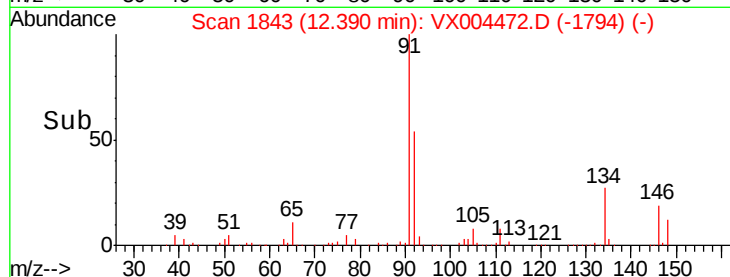
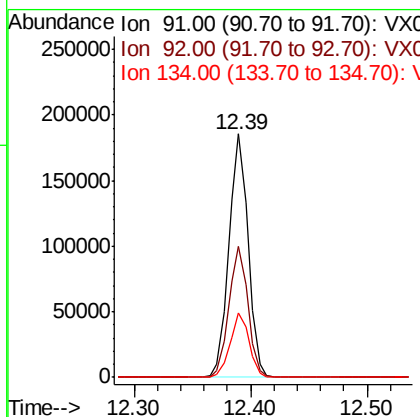
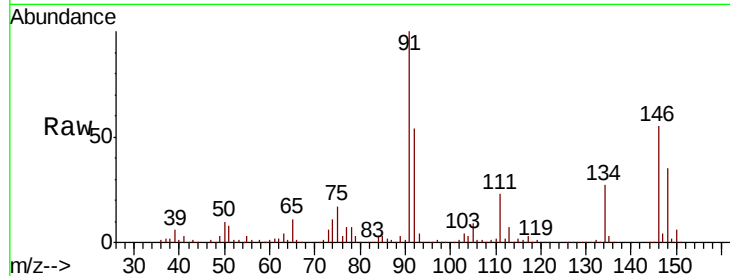
#89
n-Butylbenzene
Concen: 19.62 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX004472.D
Acq: 11 Sep 2018 18:20

Instrument :
MSVOA_X
ClientSampleId :
VX0911WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	27.3	81.9
134	26.1	13.6	40.7

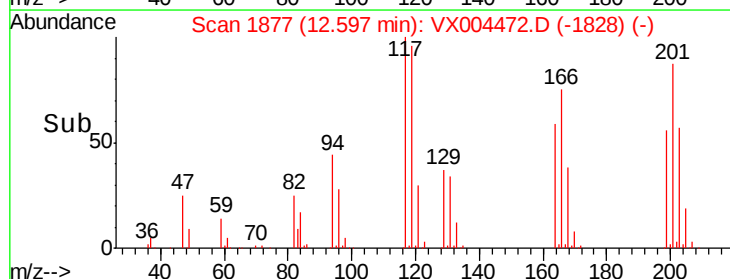
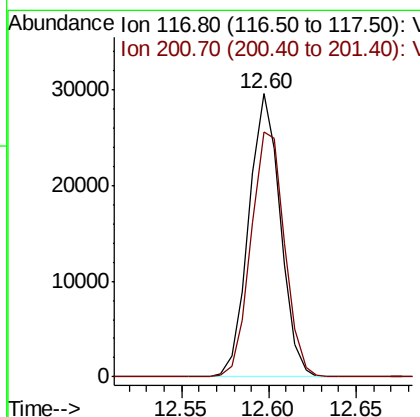
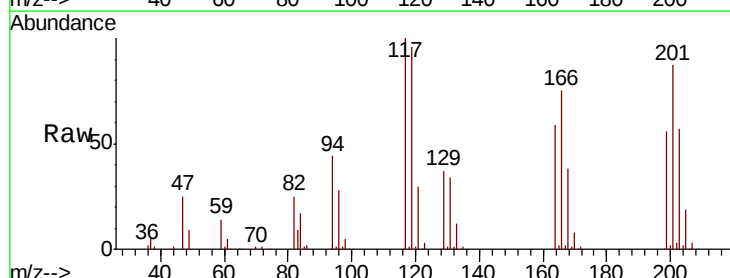
Manual Integrations
APPROVED

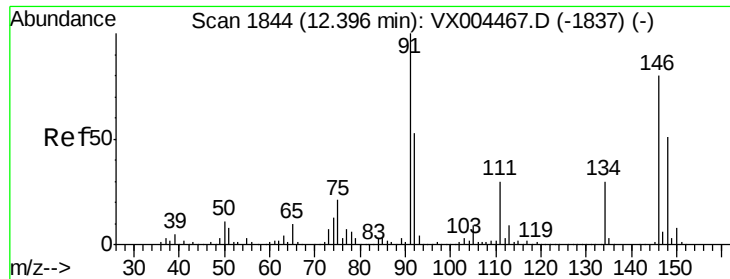
MMDadoda
9/12/2018 11:26:43 AM



#90
Hexachloroethane
Concen: 19.56 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX004472.D
Acq: 11 Sep 2018 18:20

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.0	46.9	140.6





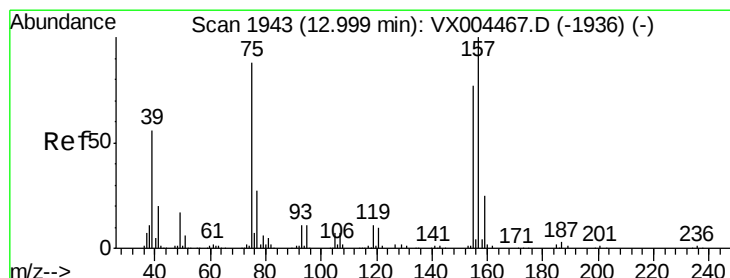
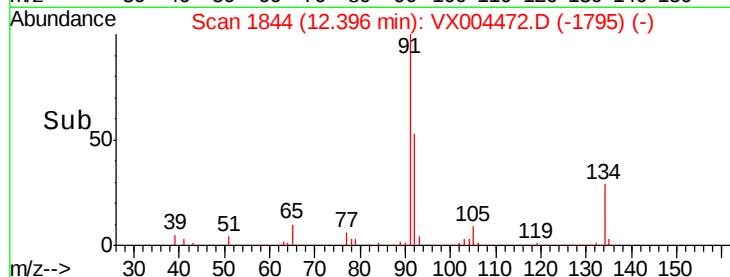
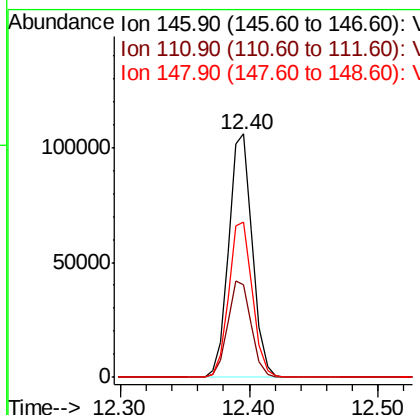
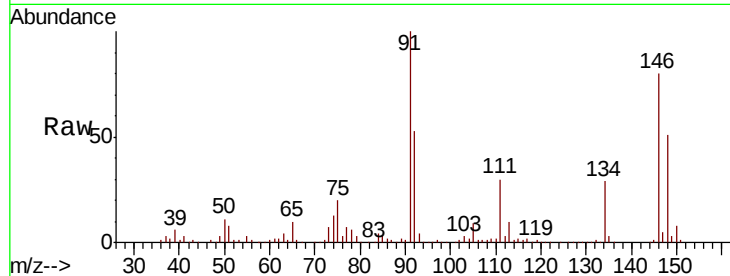
#91
 1,2-Dichlorobenzene
 Concen: 19.69 ug/l
 RT: 12.40 min Scan# 1844
 Delta R.T. -0.00 min
 Lab File: VX004472.D
 Acq: 11 Sep 2018 18:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0911WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.4	58.1
148	64.3	32.8	98.3

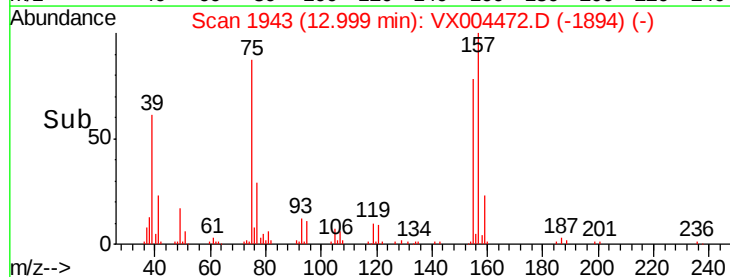
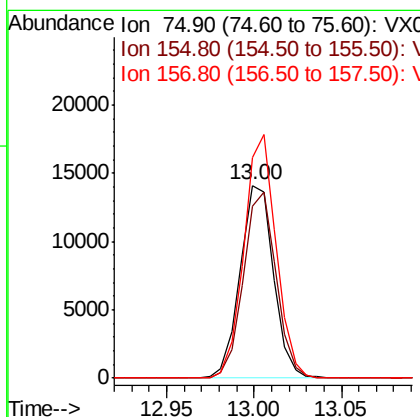
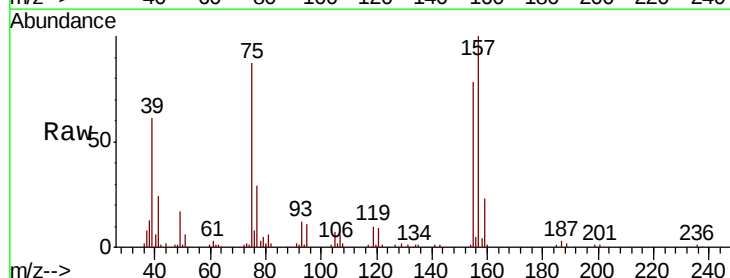
Manual Integrations
 APPROVED

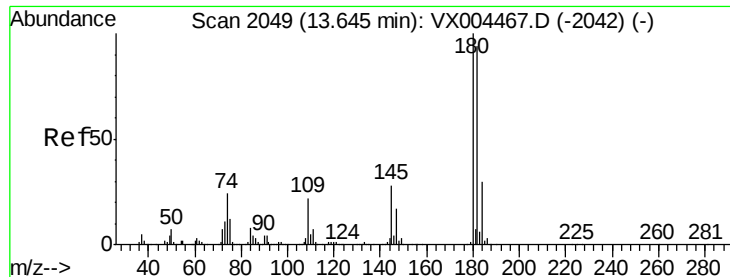
MMDadoda
 9/12/2018 11:26:43 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.53 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX004472.D
 Acq: 11 Sep 2018 18:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.6	48.0	144.2
157	120.6	61.4	184.1





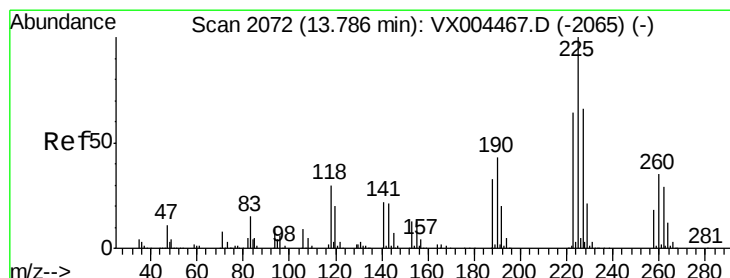
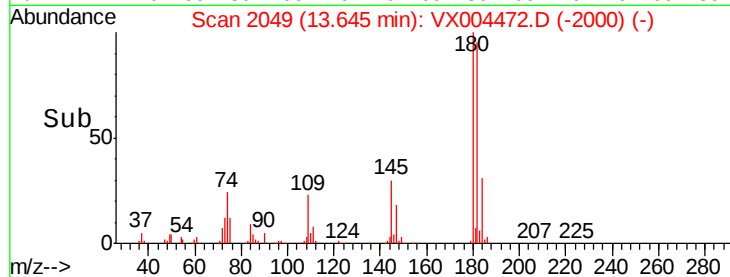
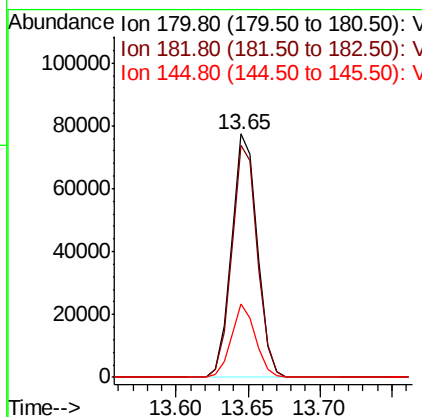
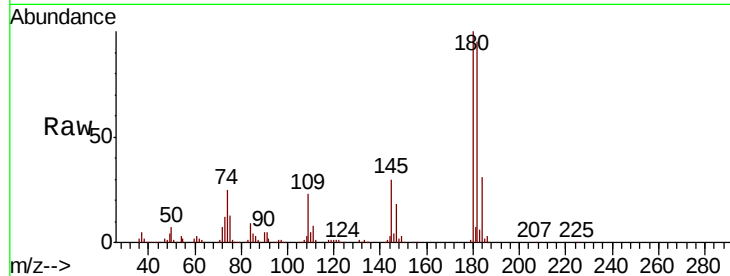
#93
 1,2,4-Trichlorobenzene
 Concen: 19.83 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX004472.D
 Acq: 11 Sep 2018 18:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0911WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	97054		
182	95.0		48.4	145.0
145	28.3		14.3	42.9

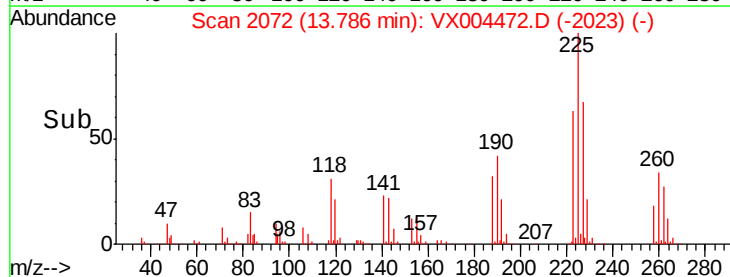
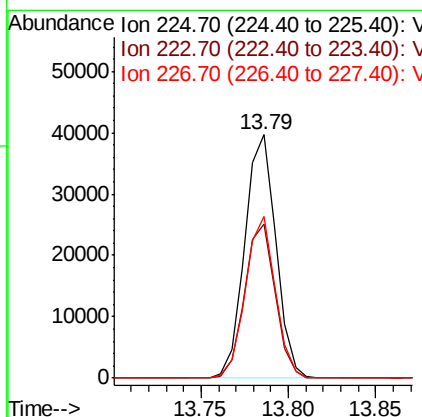
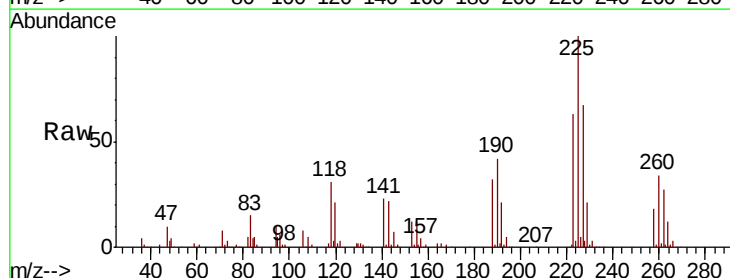
Manual Integrations
 APPROVED

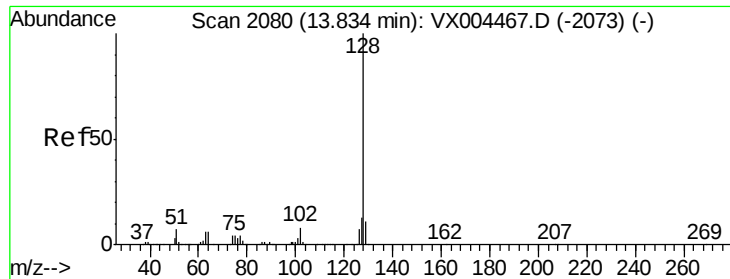
MMDadoda
 9/12/2018 11:26:43 AM



#94
 Hexachlorobutadiene
 Concen: 19.19 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VX004472.D
 Acq: 11 Sep 2018 18:20

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	49056		
223	62.1		30.1	90.5
227	63.9		30.8	92.4





#95

Naphthalene

Concen: 20.78 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX004472.D

Acq: 11 Sep 2018 18:20

Instrument :

MSVOA_X

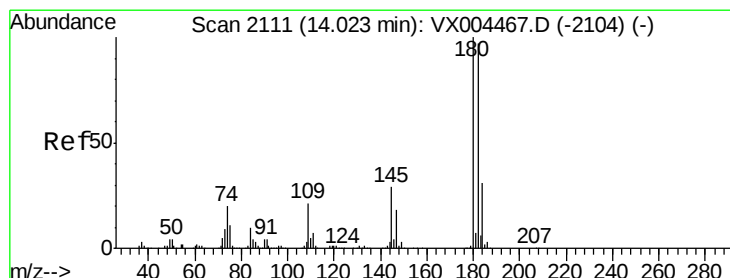
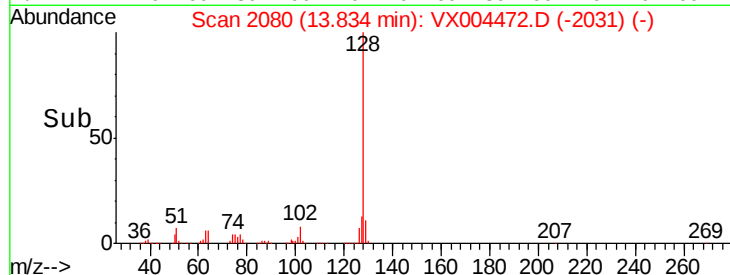
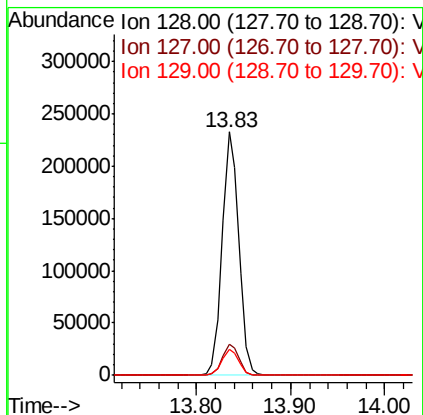
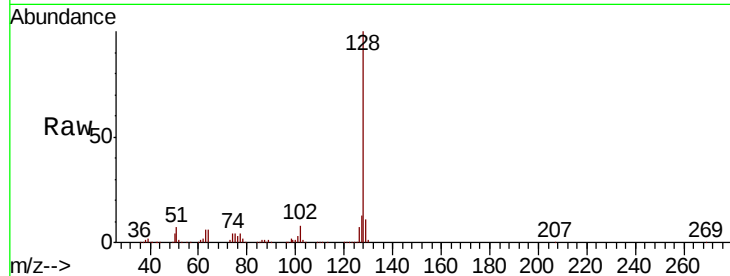
ClientSampleId :

VX0911WBS01

Tot Ion:	128	Resp:	285211
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.2	15.2
129	10.8	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/12/2018 11:26:43 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.74 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VX004472.D

Acq: 11 Sep 2018 18:20

Tgt Ion:	180	Resp:	99261
Ion Ratio	Lower	Upper	
180	100		
182	96.4	48.5	145.6
145	30.0	14.9	44.9

