

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072418\
 Data File : VX003642.D
 Acq On : 24 Jul 2018 16:15
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 8/2/2018 11:54:16 AM

Quant Time: Jul 25 04:04:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072418W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 03:58:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	129656	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	185966	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	169166	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	95628	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	2475	1.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	3.06%	
35) Dibromofluoromethane	5.50	113	2150	1.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.96%	
50) Toluene-d8	8.72	98	7327	1.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.68%	
62) 4-Bromofluorobenzene	11.14	95	2014	1.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	1653	1.330	ug/l	89
3) Chloromethane	1.32	50	2515	1.615	ug/l	96
4) Vinyl Chloride	1.40	62	2214	1.308	ug/l	99
5) Bromomethane	1.64	94	1104	1.130	ug/l	88
6) Chloroethane	1.72	64	1565	1.530	ug/l #	85
7) Trichlorofluoromethane	1.93	101	2814	1.240	ug/l	89
8) Diethyl Ether	2.19	74	1253	1.286	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	1794	1.220	ug/l	96
10) Methyl Iodide	2.51	142	1133	0.634	ug/l	99
11) Tert butyl alcohol	3.07	59	2368	7.111	ug/l	99
12) 1,1-Dichloroethene	2.37	96	1682	1.240	ug/l	94
13) Acrolein	2.29	56	682	4.303	ug/l	99
14) Allyl chloride	2.73	41	3464	1.394	ug/l	99
15) Acrylonitrile	3.15	53	6274	7.563	ug/l	99
16) Acetone	2.45	43	5510	8.715	ug/l	95
17) Carbon Disulfide	2.57	76	5073	1.257	ug/l	100
18) Methyl Acetate	2.78	43	3233	1.639	ug/l	97
19) Methyl tert-butyl Ether	3.21	73	6027	1.340	ug/l	96
20) Methylene Chloride	2.86	84	2072	1.232	ug/l #	86
21) trans-1,2-Dichloroethene	3.17	96	1788	1.184	ug/l	85
22) Diisopropyl ether	3.87	45	5868	1.261	ug/l #	90
23) Vinyl Acetate	3.82	43	24186	6.253	ug/l	99
24) 1,1-Dichloroethane	3.70	63	3817	1.420	ug/l #	95
25) 2-Butanone	4.71	43	7581	7.257	ug/l	94
26) 2,2-Dichloropropane	4.59	77	2302	1.159	ug/l	78
27) cis-1,2-Dichloroethene	4.60	96	1895	1.135	ug/l #	1
28) Bromochloromethane	5.02	49	1591	1.382	ug/l #	97
29) Tetrahydrofuran	5.17	42	4828	6.955	ug/l	97
30) Chloroform	5.21	83	3148	1.212	ug/l	96
31) Cyclohexane	5.57	56	2635	1.110	ug/l	88
32) 1,1,1-Trichloroethane	5.50	97	2515	1.131	ug/l #	50
36) 1,1-Dichloropropene	5.79	75	2418	1.185	ug/l	96
37) Ethyl Acetate	4.87	43	2977	1.476	ug/l #	89
38) Carbon Tetrachloride	5.78	117	2288	1.150	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	2342	0.969	ug/l	95
40) Benzene	6.14	78	6573	1.063	ug/l #	85
41) Methacrylonitrile	5.06	41	1701	1.441	ug/l #	88
42) 1,2-Dichloroethane	6.20	62	2395	1.206	ug/l	95
43) Isopropyl Acetate	6.47	43	3723	1.168	ug/l	97
44) Trichloroethene	7.21	130	1904	1.054	ug/l	99
45) 1,2-Dichloropropane	7.52	63	1602	1.017	ug/l #	83
46) Dibromomethane	7.67	93	1101	1.089	ug/l	95
47) Bromodichloromethane	7.90	83	1963	1.057	ug/l	87
48) Methyl methacrylate	7.79	41	1834	1.139	ug/l	94
49) 1,4-Dioxane	7.76	88	768	21.157	ug/l #	89
51) 4-Methyl-2-Pentanone	8.65	43	12449	6.125	ug/l	97
52) Toluene	8.79	92	4166	1.076	ug/l	96
53) t-1,3-Dichloropropene	8.44	75	2064	0.906	ug/l	98
54) cis-1,3-Dichloropropene	9.04	75	2097	1.020	ug/l	96
55) 1,1,2-Trichloroethane	9.22	97	1605	1.036	ug/l	89
56) Ethyl methacrylate	9.19	69	1947	0.882	ug/l	91
57) 1,3-Dichloropropane	9.37	76	2701	1.072	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	4838	4.458	ug/l	98
59) 2-Hexanone	9.50	43	8647	5.694	ug/l	89
60) Dibromochloromethane	9.59	129	1329	0.872	ug/l	94
61) 1,2-Dibromoethane	9.68	107	1659	1.033	ug/l	100
64) Tetrachloroethene	9.34	164	1731	0.875	ug/l	96
65) Chlorobenzene	10.14	112	4539	1.042	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	1524	1.017	ug/l #	63
67) Ethyl Benzene	10.25	91	6983	0.988	ug/l	92
68) m/p-Xylenes	10.36	106	5118	1.854	ug/l	96
69) o-Xylene	10.70	106	2451	0.920	ug/l	98
70) Styrene	10.71	104	3831	0.871	ug/l	96
71) Bromoform	10.86	173	1047	0.898	ug/l #	97
73) Isopropylbenzene	11.02	105	6332	0.955	ug/l	99
74) N-amyl acetate	6.47	43	3723	1.273	ug/l #	96
75) 1,1,2,2-Tetrachloroethane	11.27	83	2630	1.306	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	2131m	1.206	ug/l	
77) Bromobenzene	11.26	156	1910	1.011	ug/l	97
78) n-propylbenzene	11.36	91	7195	0.968	ug/l	98
79) 2-Chlorotoluene	11.42	91	4746	1.053	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	5024	0.916	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	535	0.960	ug/l #	83
82) 4-Chlorotoluene	11.51	91	5429	1.026	ug/l	99
83) tert-Butylbenzene	11.77	119	5144	0.959	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	5172	0.926	ug/l	95
85) sec-Butylbenzene	11.95	105	5971	0.918	ug/l	97
86) p-Isopropyltoluene	12.07	119	5527	0.948	ug/l	89
87) 1,3-Dichlorobenzene	12.03	146	3479	0.997	ug/l	88
88) 1,4-Dichlorobenzene	12.10	146	3861	1.072	ug/l #	61
89) n-Butylbenzene	12.39	91	5240	1.050	ug/l	97
90) Hexachloroethane	12.60	117	906	1.083	ug/l	89
91) 1,2-Dichlorobenzene	12.40	146	3638	1.057	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	480	1.204	ug/l	93

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ClientSampleId :
VSTDICC001

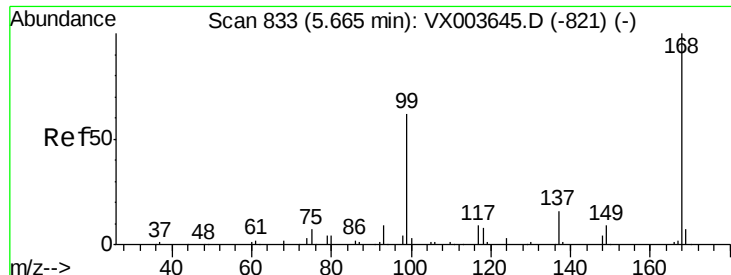
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	2543	1.009	ug/l	94
94) Hexachlorobutadiene	13.78	225	1295	1.080	ug/l	94
95) Naphthalene	13.83	128	6559	0.967	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	2459	0.980	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003642.D

Acq: 24 Jul 2018 16:15

Instrument :

MSVOA_X

ClientSampled :

VSTDIC001

Tot Ion:168 Resp: 129656

Ion Ratio Lower Upper

168 100

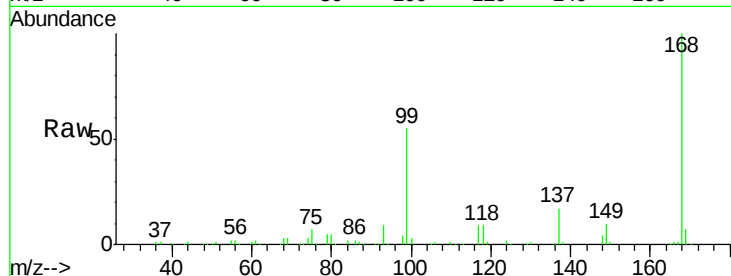
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Manual Integrations

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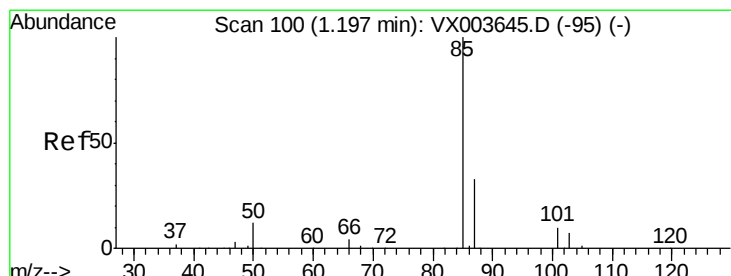
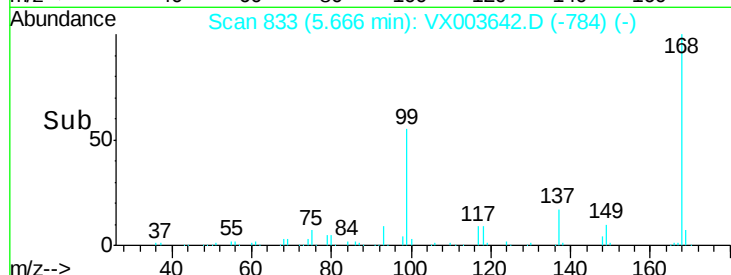
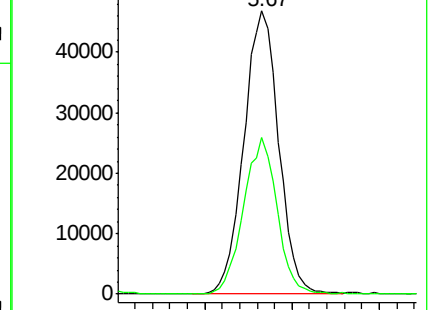
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 1.330 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003642.D

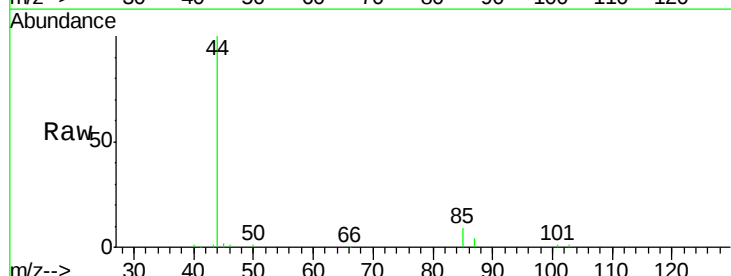
Acq: 24 Jul 2018 16:15

Tgt Ion: 85 Resp: 1653

Ion Ratio Lower Upper

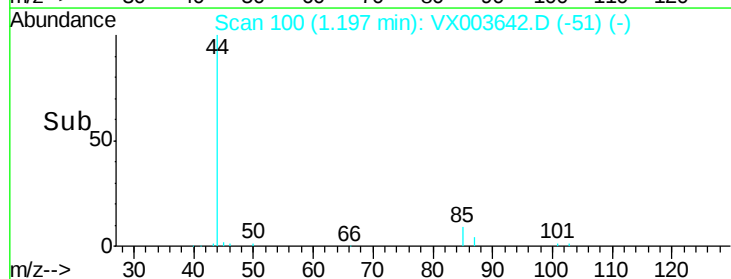
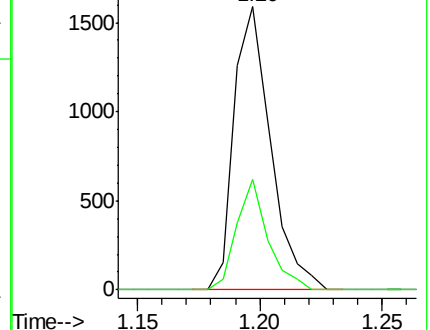
85 100

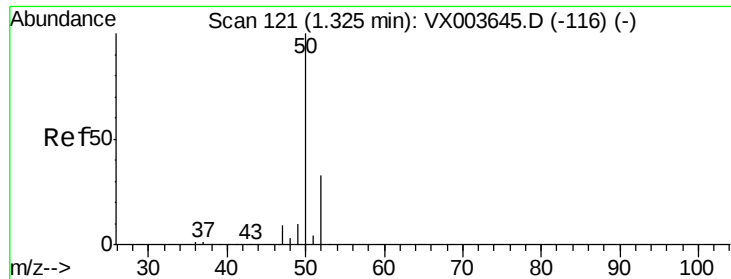
87 39.0 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 1.615 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003642.D

Acq: 24 Jul 2018 16:15

Instrument :

MSVOA_X

ClientSampled :

VSTDIC001

Tot Ion: 50 Resp: 2515

Ion Ratio Lower Upper

50 100

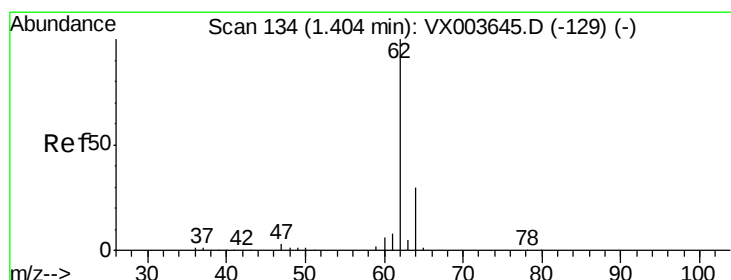
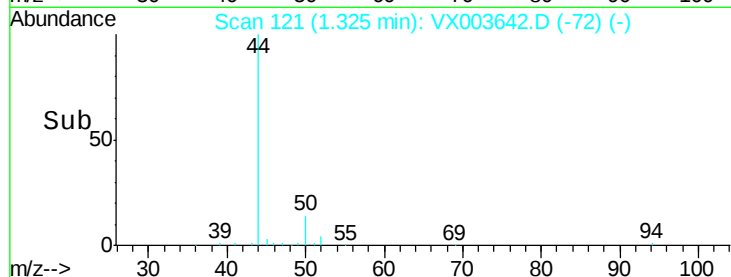
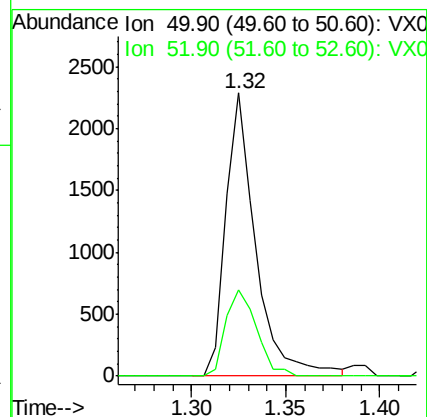
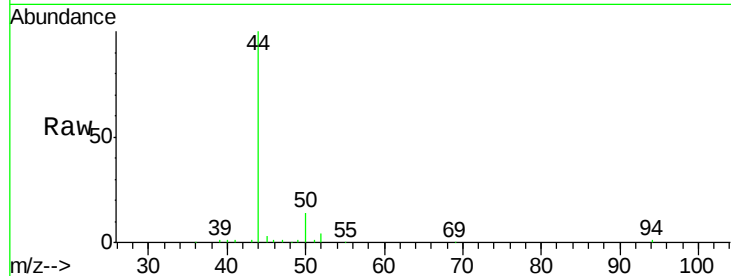
52 30.4 26.3 39.5

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#4

Vinyl Chloride

Concen: 1.308 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003642.D

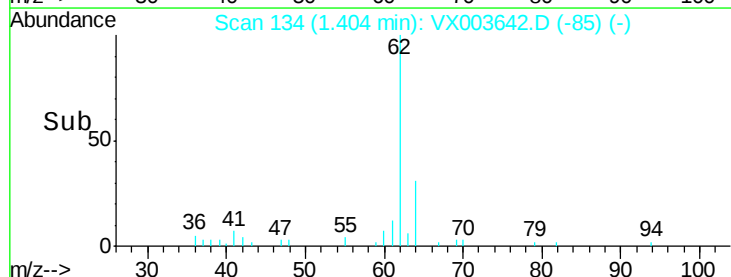
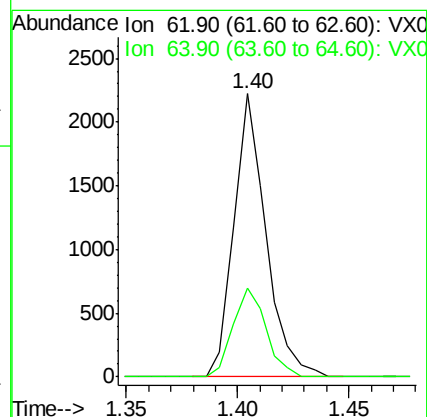
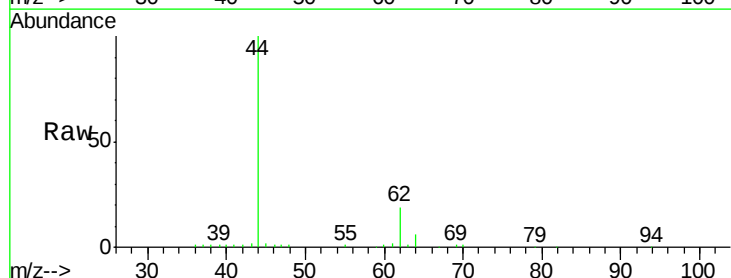
Acq: 24 Jul 2018 16:15

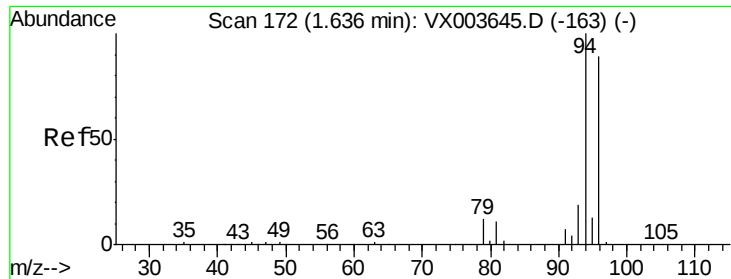
Tgt Ion: 62 Resp: 2214

Ion Ratio Lower Upper

62 100

64 31.2 24.4 36.6





#5

Bromomethane

Concen: 1.130 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003642.D

Acq: 24 Jul 2018 16:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 94 Resp: 1104

Ion Ratio Lower Upper

94 100

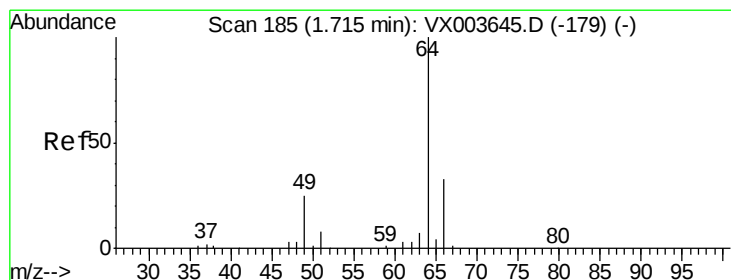
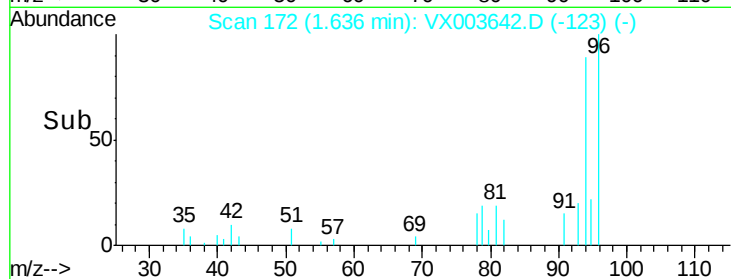
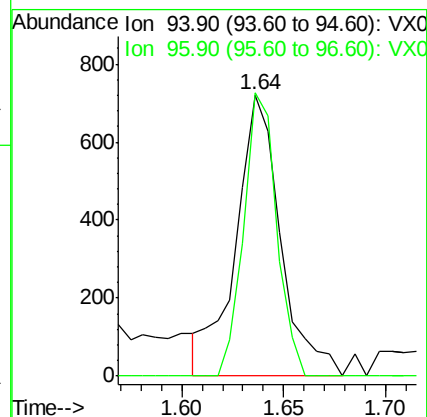
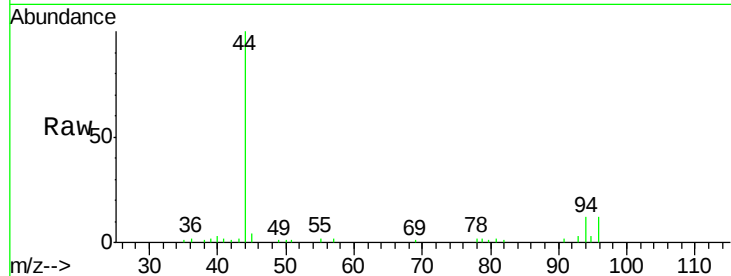
96 100.7 71.3 106.9

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#6

Chloroethane

Concen: 1.530 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX003642.D

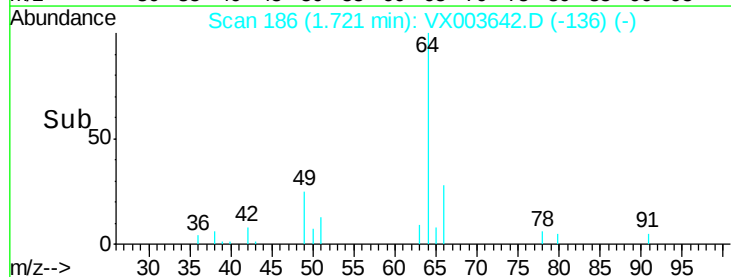
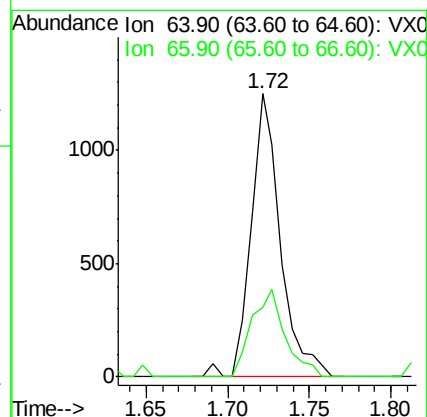
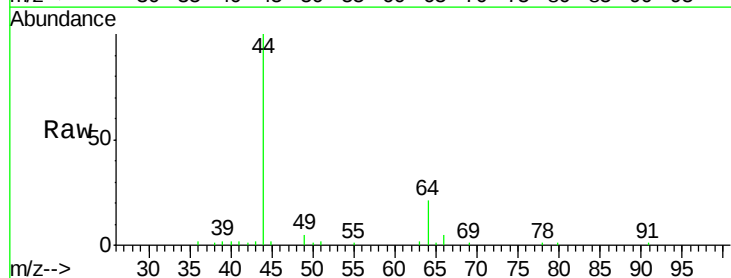
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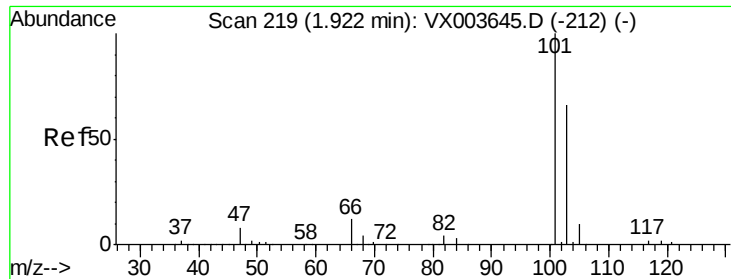
Tgt Ion: 64 Resp: 1565

Ion Ratio Lower Upper

64 100

66 24.4 26.3 39.5#





#7

Trichlorofluoromethane

Concen: 1.240 ug/l

RT: 1.93 min Scan# 220

Delta R.T. 0.01 min

Lab File: VX003642.D

Acq: 24 Jul 2018 16:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion:101 Resp: 2814

Ion Ratio Lower Upper

101 100

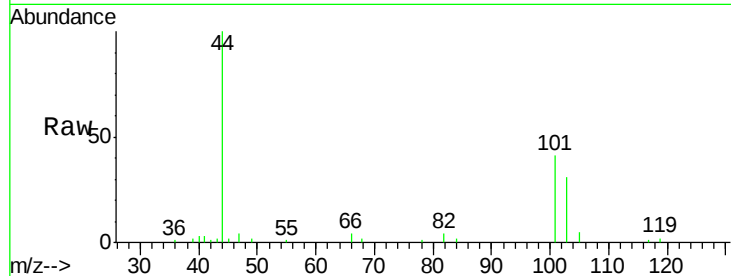
103 75.6 53.2 79.8

Manual Integrations

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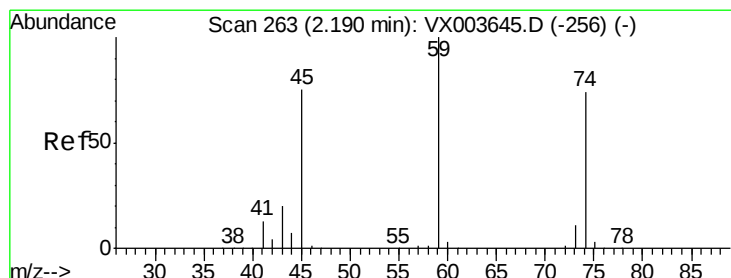
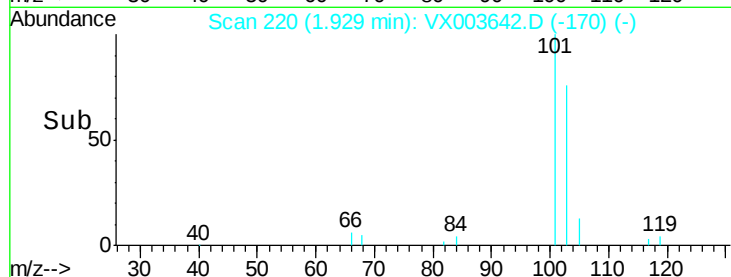
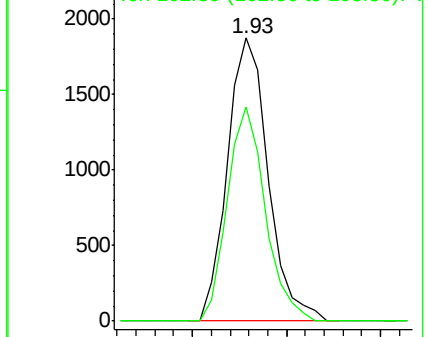
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 1.286 ug/l

RT: 2.19 min Scan# 263

Delta R.T. 0.00 min

Lab File: VX003642.D

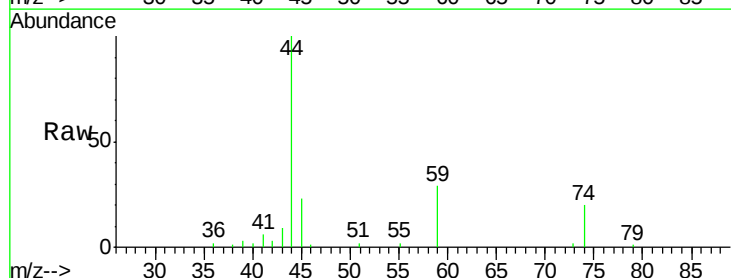
Acq: 24 Jul 2018 16:15

Tgt Ion: 74 Resp: 1253

Ion Ratio Lower Upper

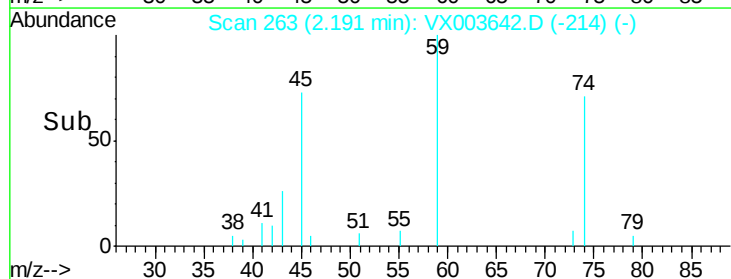
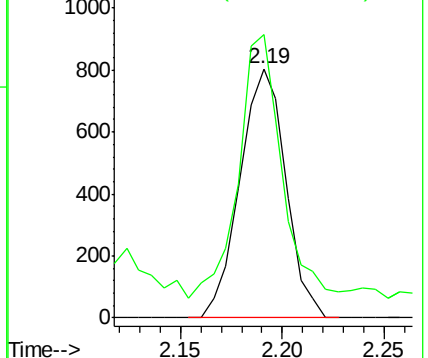
74 100

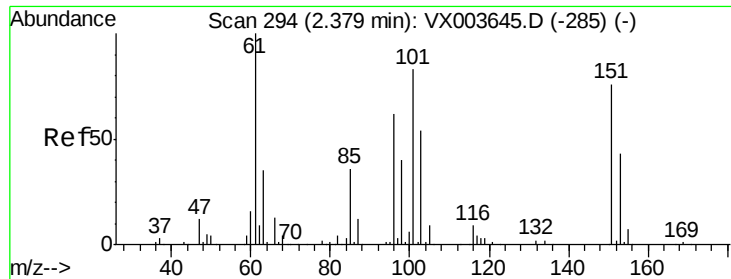
45 99.1 51.0 153.1



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.220 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX003642.D

Acq: 24 Jul 2018 16:15

Instrument :

MSVOA_X

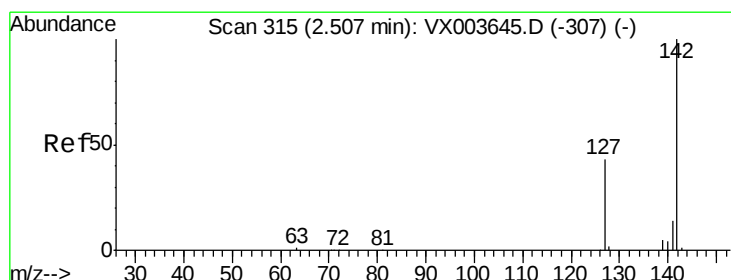
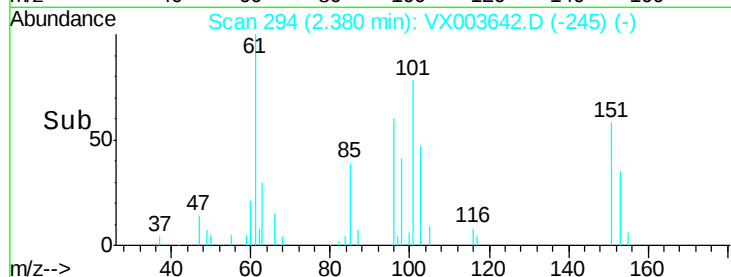
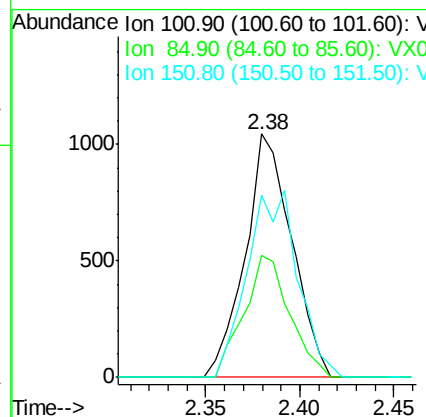
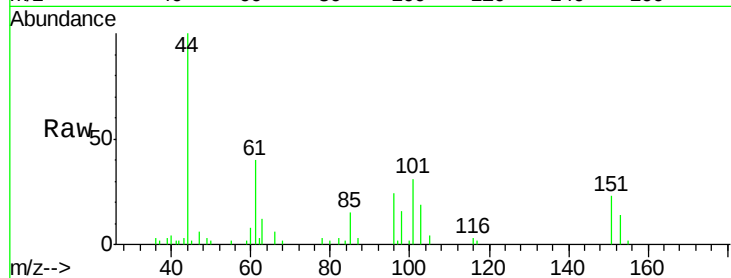
ClientSampled :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
101	100		
85	49.0	34.6	52.0
151	83.3	67.5	101.3

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#10

Methyl Iodide

Concen: 0.634 ug/l

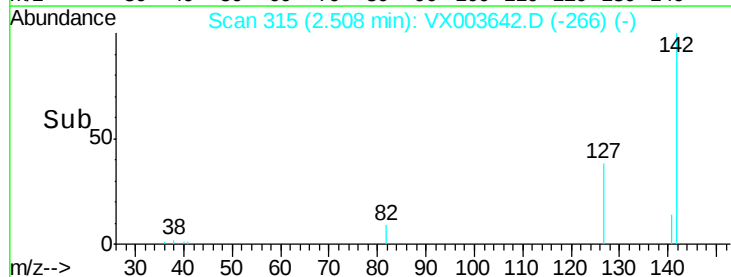
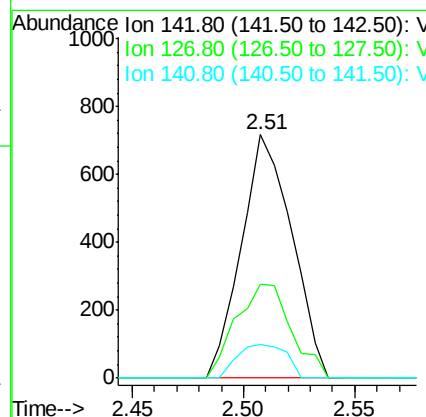
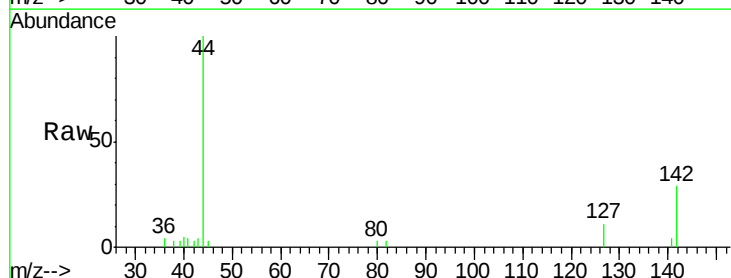
RT: 2.51 min Scan# 315

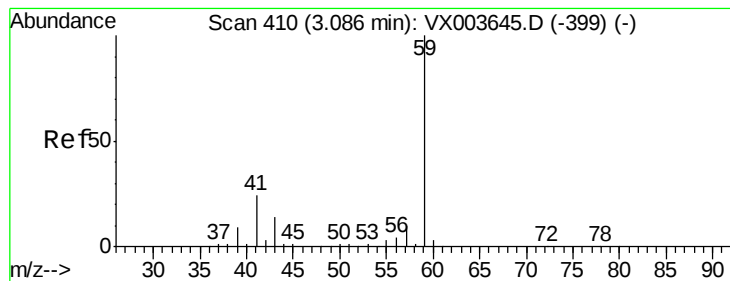
Delta R.T. 0.00 min

Lab File: VX003642.D

Acq: 24 Jul 2018 16:15

Tgt Ion	Ratio	Lower	Upper
142	100		
127	41.8	34.0	51.0
141	13.2	11.3	16.9





#11

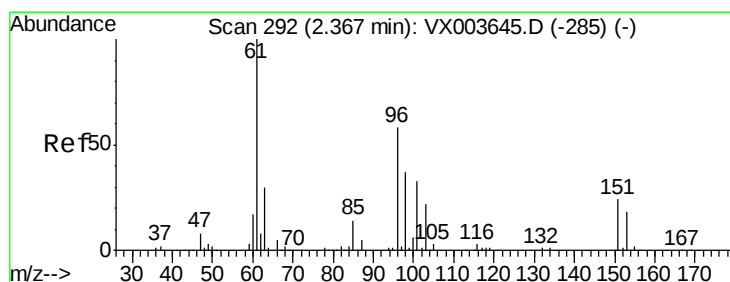
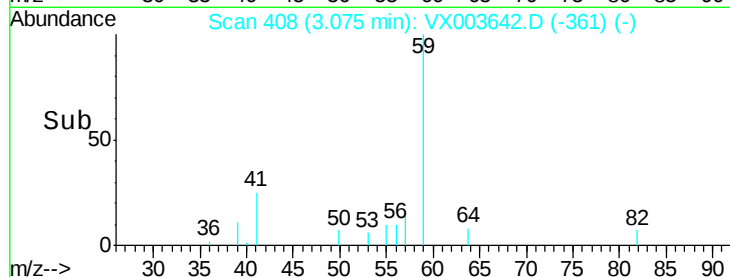
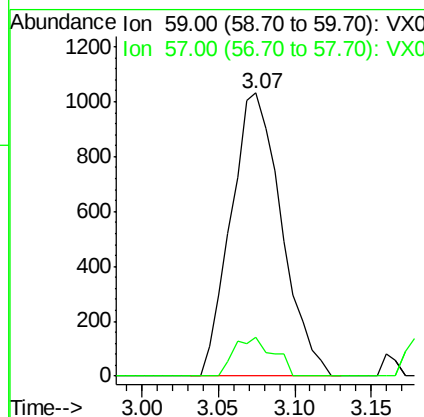
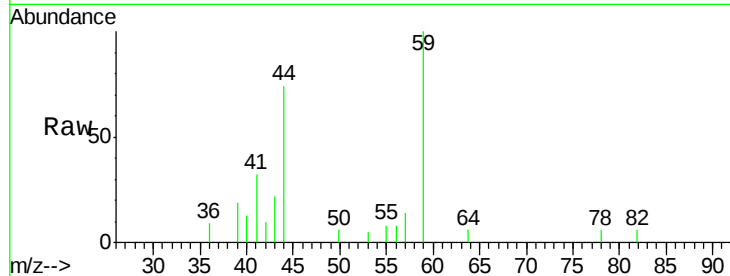
Tert butyl alcohol
Concen: 7.111 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX003642.D
Acq: 24 Jul 2018 16:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.2	12.4

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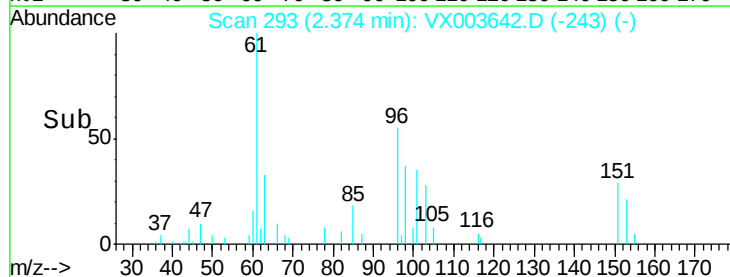
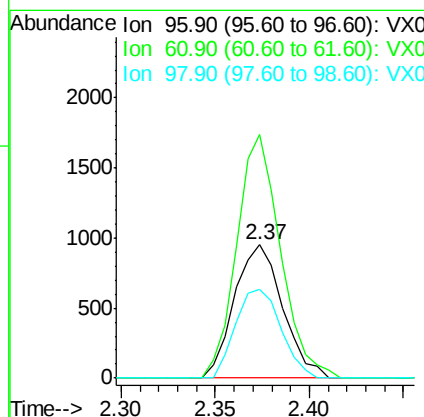
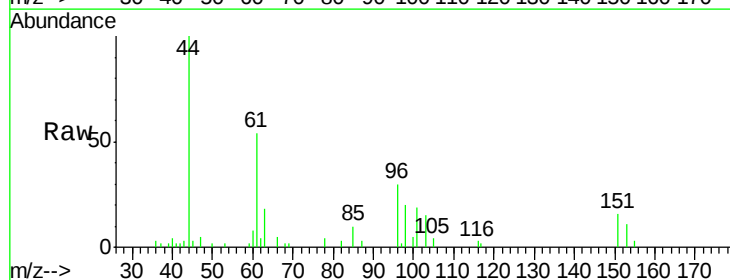
MMDadoda
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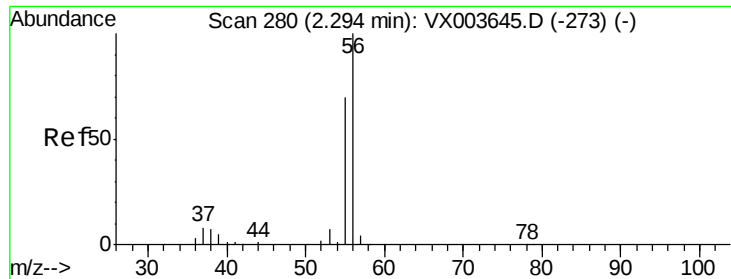


#12

1,1-Dichloroethene
Concen: 1.240 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.01 min
Lab File: VX003642.D
Acq: 24 Jul 2018 16:15

Tgt Ion	Ratio	Lower	Upper
96	100		
61	183.1	138.8	208.2
98	67.0	51.4	77.2





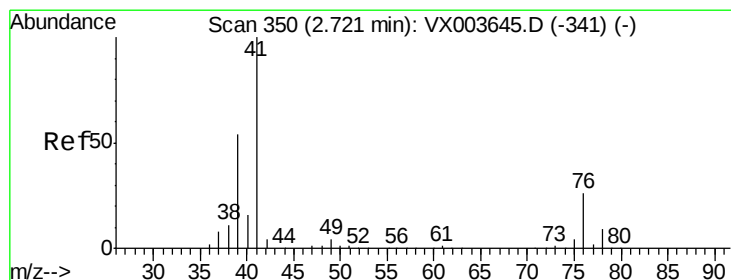
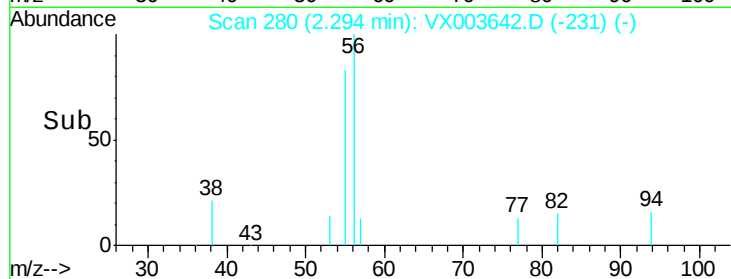
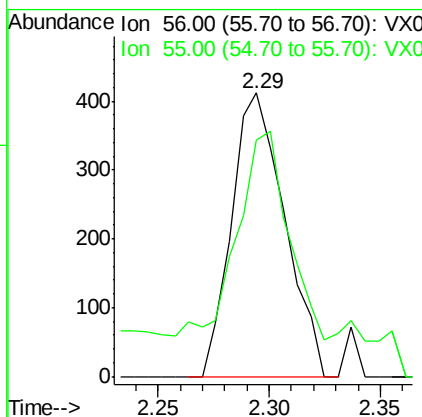
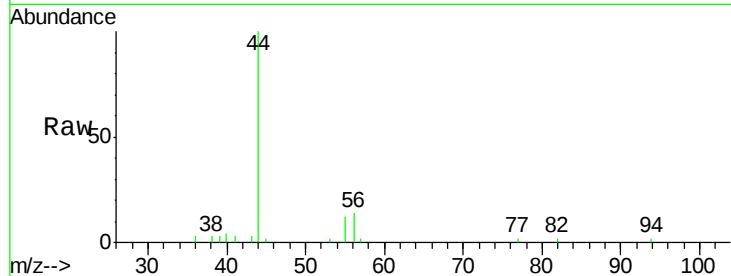
#13
Acrolein
Concen: 4.303 ug/l
RT: 2.29 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX003642.D
Acq: 24 Jul 2018 16:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.2	55.4	83.2

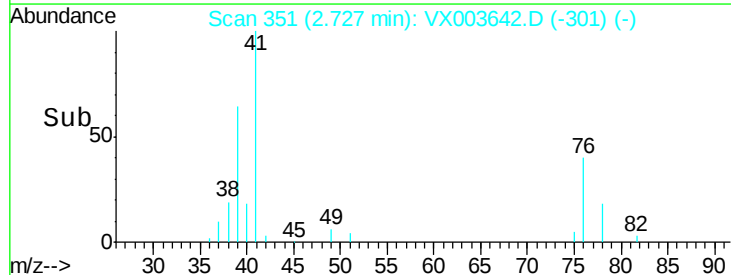
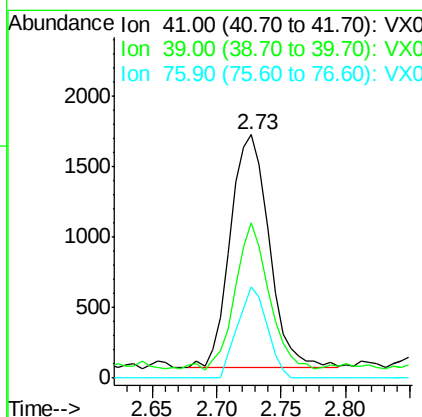
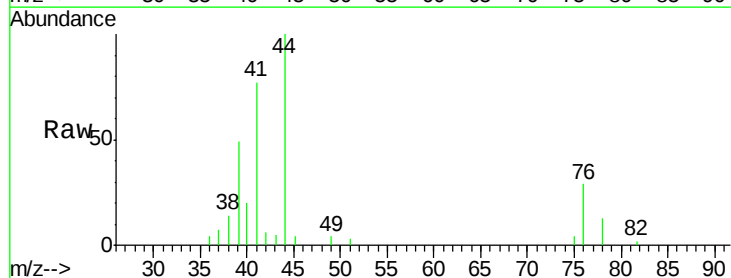
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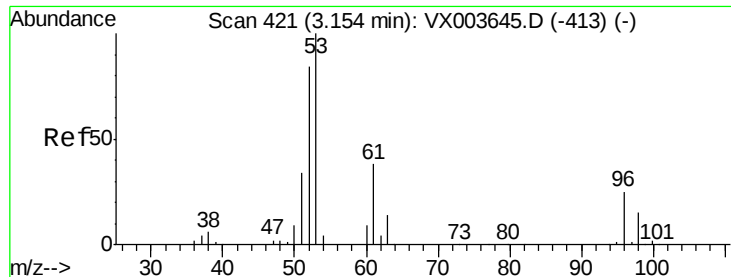
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#14
Allyl chloride
Concen: 1.394 ug/l
RT: 2.73 min Scan# 351
Delta R.T. 0.01 min
Lab File: VX003642.D
Acq: 24 Jul 2018 16:15

Tgt Ion	Ratio	Lower	Upper
41	100		
39	55.3	45.3	67.9
76	29.7	23.8	35.6





#15

Acrylonitrile

Concen: 7.563 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX003642.D

Acq: 24 Jul 2018 16:15

Instrument :

MSVOA_X

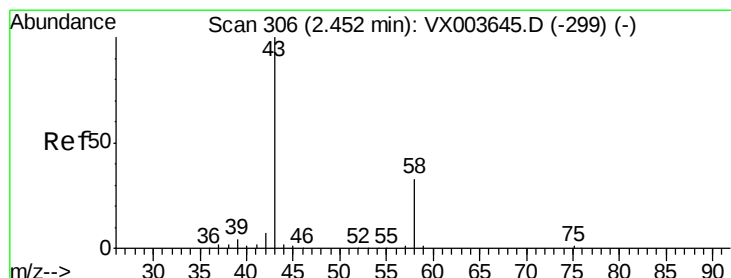
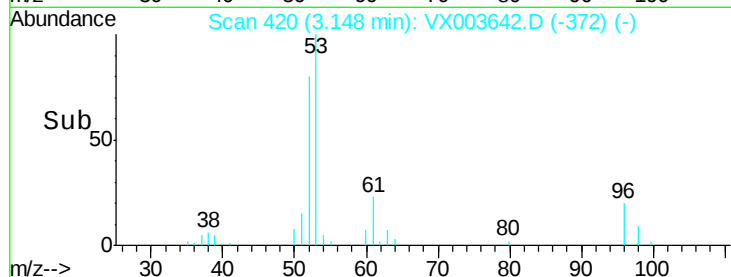
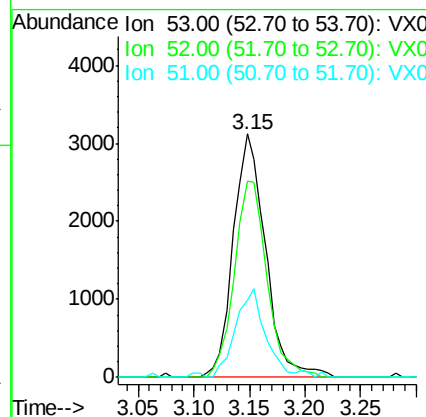
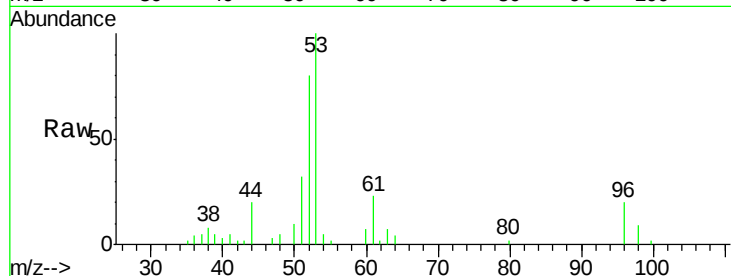
ClientSampleId :

VSTDIC001

Tot Ion:	53	Resp:	6274
Ion	Ratio	Lower	Upper
53	100		
52	81.5	66.1	99.1
51	34.6	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 8.715 ug/l

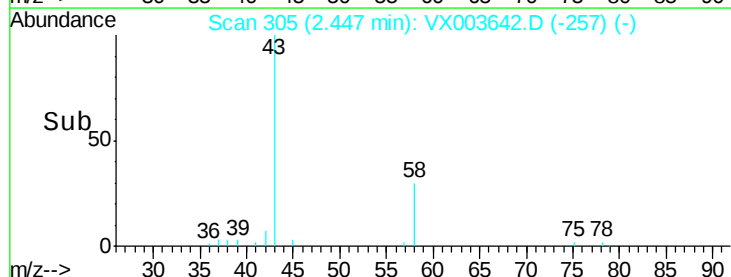
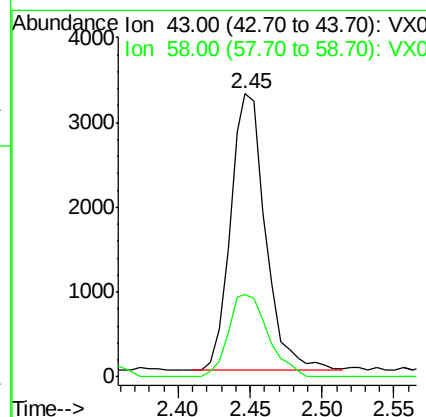
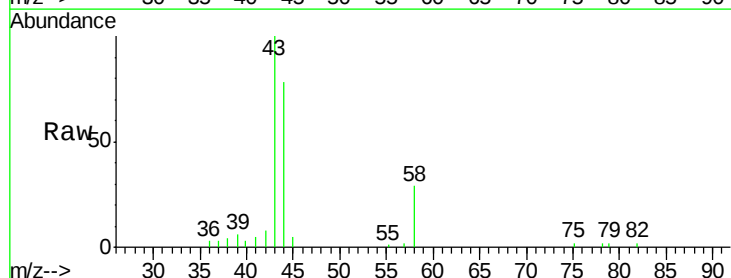
RT: 2.45 min Scan# 305

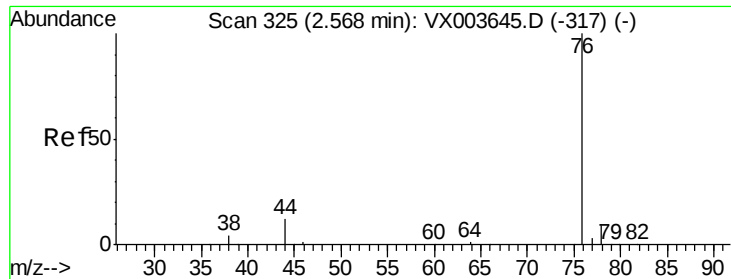
Delta R.T. -0.01 min

Lab File: VX003642.D

Acq: 24 Jul 2018 16:15

Tgt Ion:	43	Resp:	5510
Ion	Ratio	Lower	Upper
43	100		
58	29.7	26.1	39.1





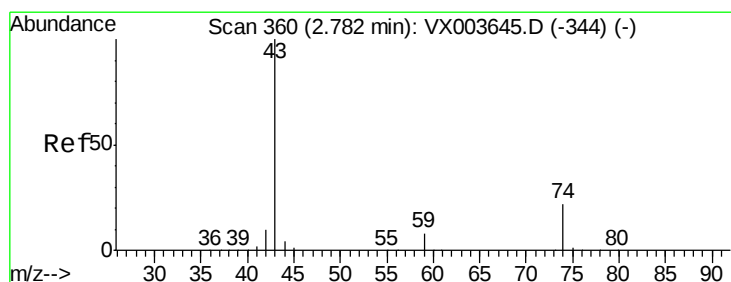
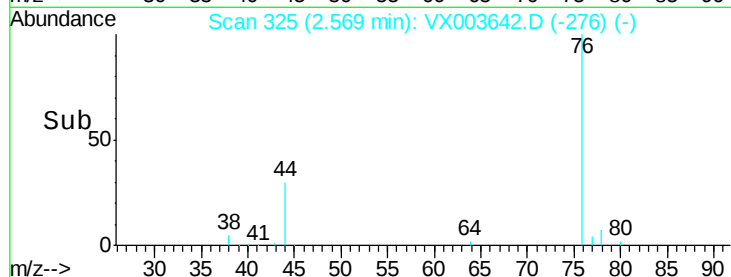
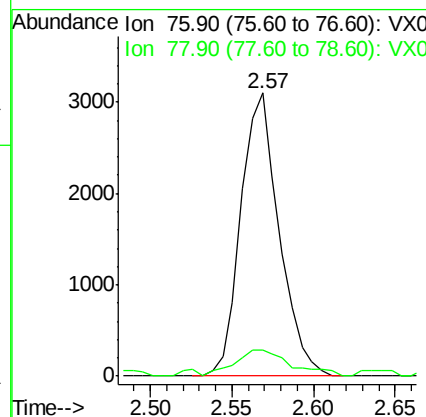
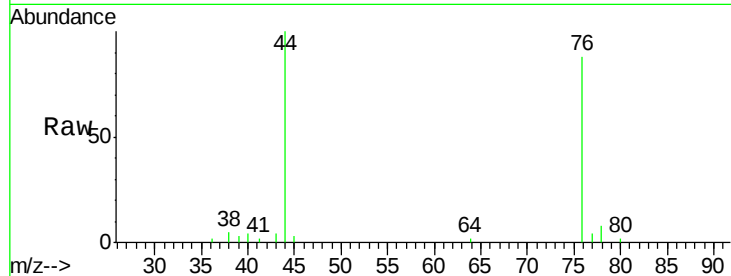
#17
Carbon Disulfide
Concen: 1.257 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX003642.D
Acq: 24 Jul 2018 16:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion: 76 Resp: 5073
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0

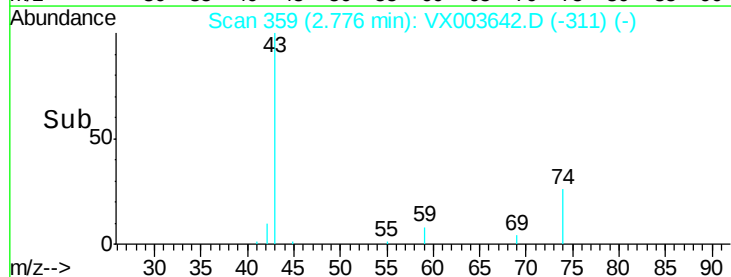
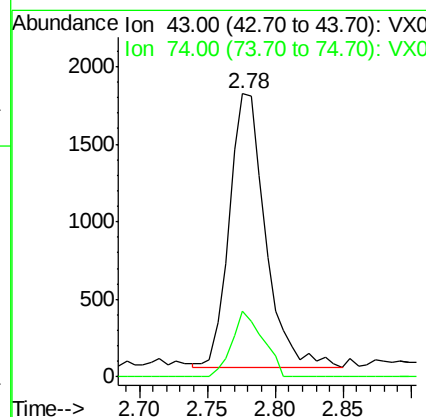
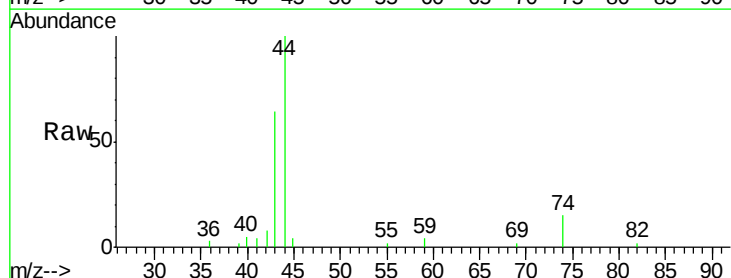
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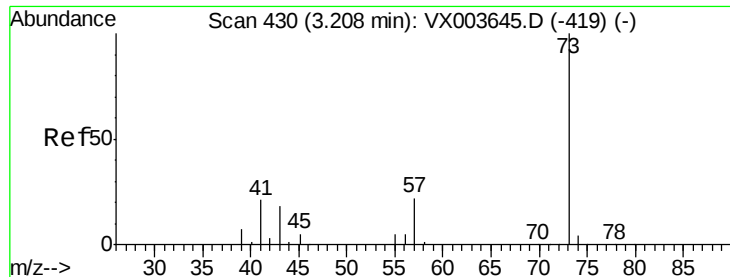
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#18
Methyl Acetate
Concen: 1.639 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.01 min
Lab File: VX003642.D
Acq: 24 Jul 2018 16:15

Tgt Ion: 43 Resp: 3233
Ion Ratio Lower Upper
43 100
74 20.9 17.8 26.8





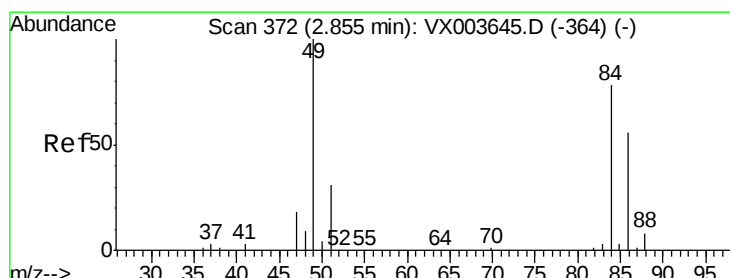
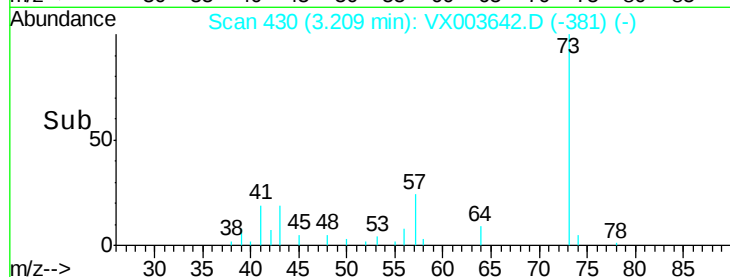
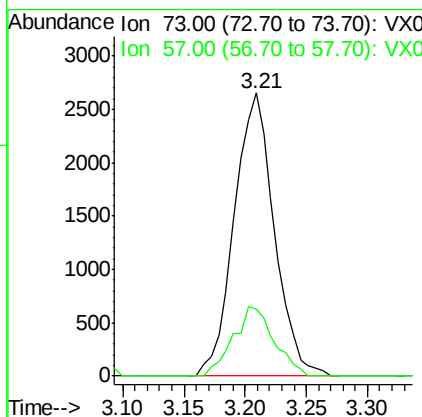
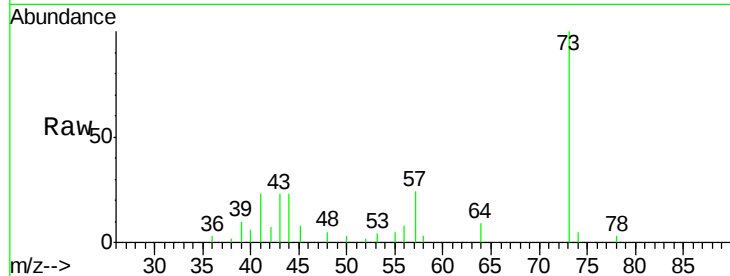
#19
Methyl tert-butyl Ether
Concen: 1.340 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX003642.D
Acq: 24 Jul 2018 16:15

Instrument :
MSVOA_X
ClientSampled :
VSTDIC001

Tot Ion: 73 Resp: 6027
Ion Ratio Lower Upper
73 100
57 23.7 17.4 26.2

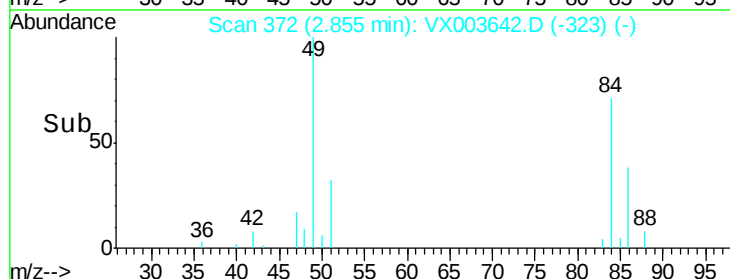
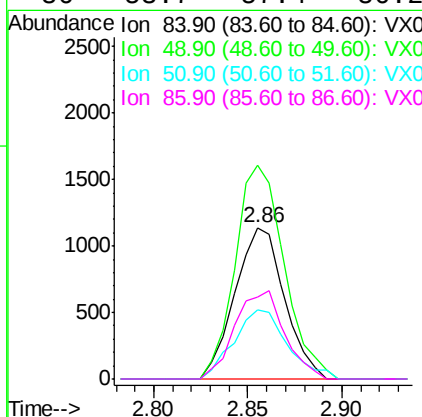
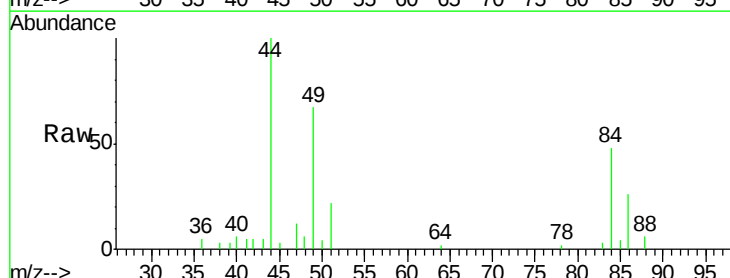
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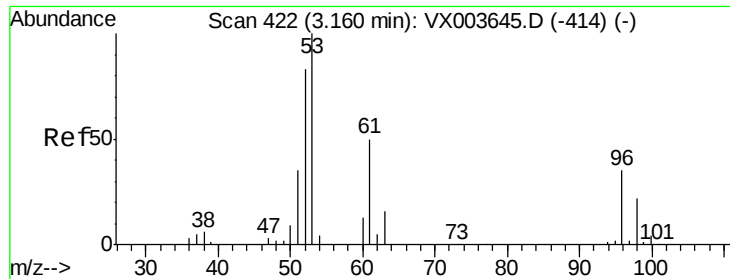
MMDadoda
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#20
Methylene Chloride
Concen: 1.232 ug/l
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003642.D
Acq: 24 Jul 2018 16:15

Tgt Ion: 84 Resp: 2072
Ion Ratio Lower Upper
84 100
49 141.0 102.3 153.5
51 45.6 31.8 47.8
86 53.7 57.4 86.2#





#21

trans-1,2-Dichloroethene

Concen: 1.184 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.01 min

Lab File: VX003642.D

Acq: 24 Jul 2018 16:15

Instrument :

MSVOA_X

ClientSampled :

VSTDIC001

Tot Ion: 96 Resp: 1788

Ion Ratio Lower Upper

96 100

61 162.6 115.0 172.4

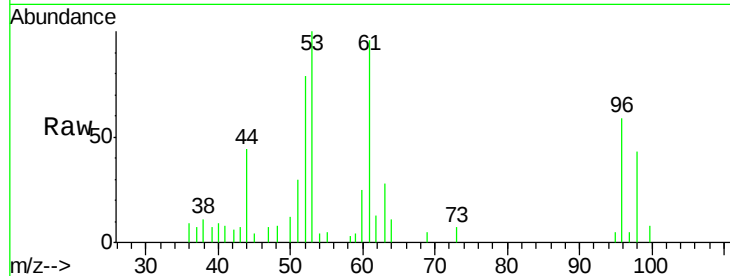
98 72.5 49.7 74.5

Manual Integrations

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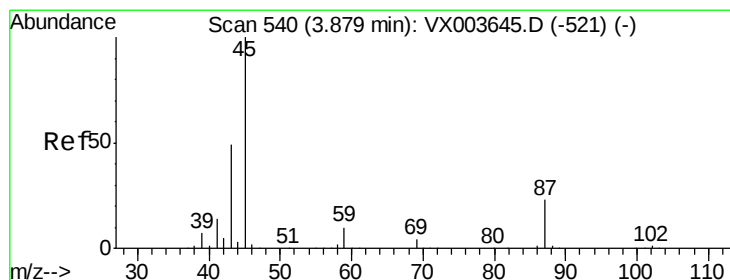
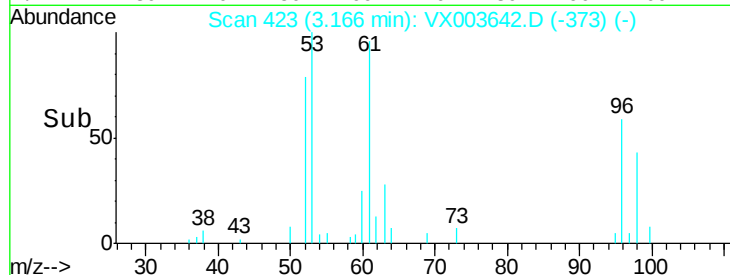
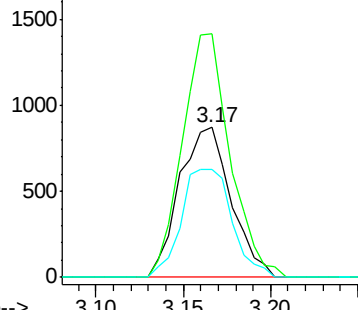
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Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 1.261 ug/l

RT: 3.87 min Scan# 539

Delta R.T. -0.01 min

Lab File: VX003642.D

Acq: 24 Jul 2018 16:15

Tgt Ion: 45 Resp: 5868

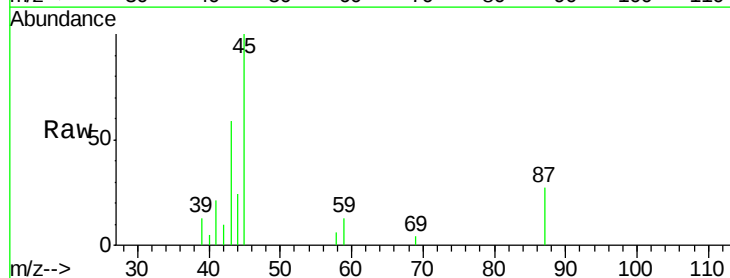
Ion Ratio Lower Upper

45 100

43 56.3 39.0 58.4

87 27.5 18.4 27.6

59 13.4 7.8 11.8#

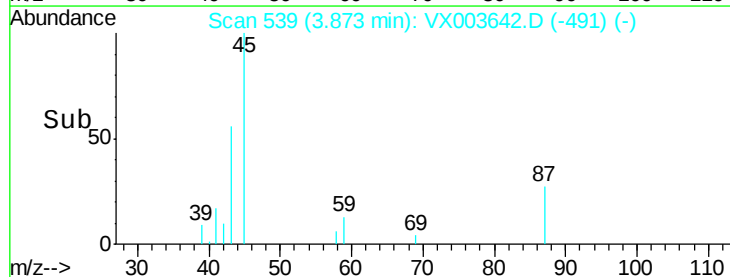
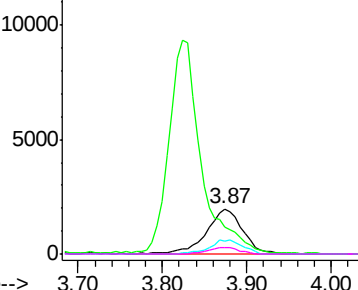


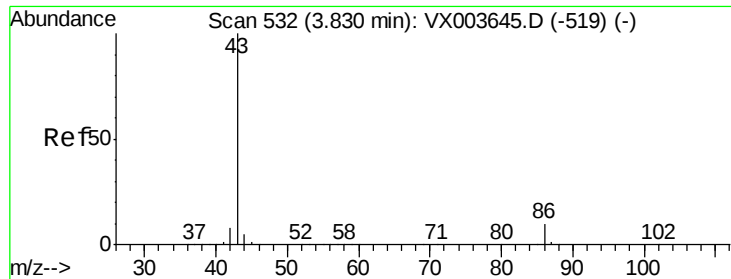
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 6.253 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.01 min

Lab File: VX003642.D

Acq: 24 Jul 2018 16:15

Instrument :

MSVOA_X

ClientSampled :

VSTDIC001

Tot Ion: 43 Resp: 24186

Ion Ratio Lower Upper

43 100

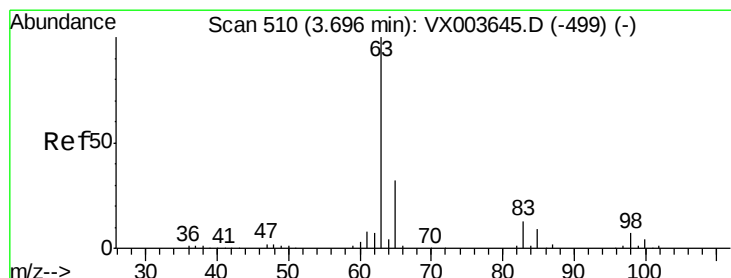
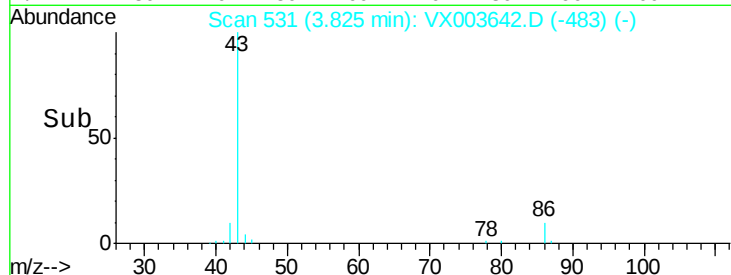
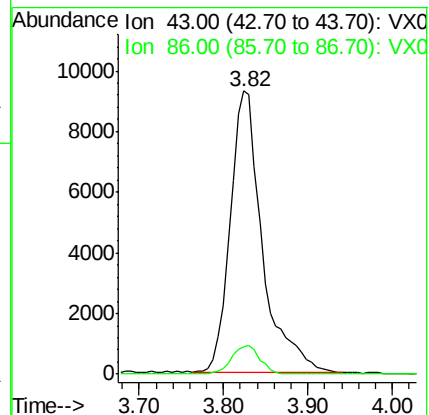
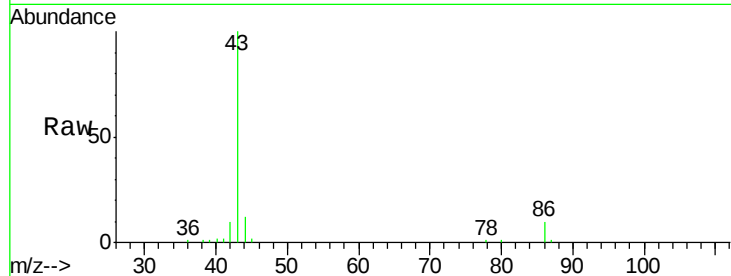
86 9.8 7.7 11.5

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#24

1,1-Dichloroethane

Concen: 1.420 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003642.D

Acq: 24 Jul 2018 16:15

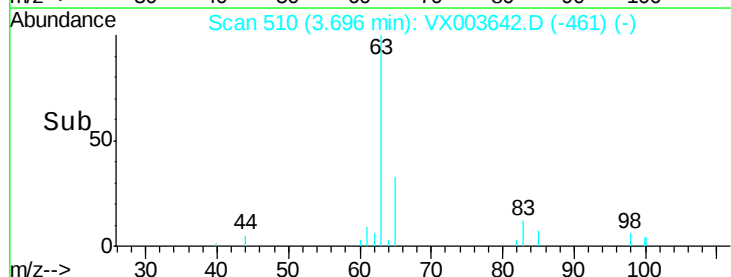
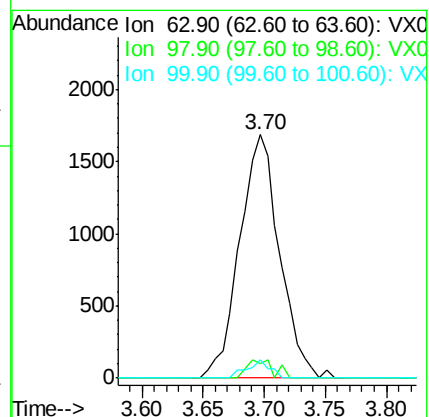
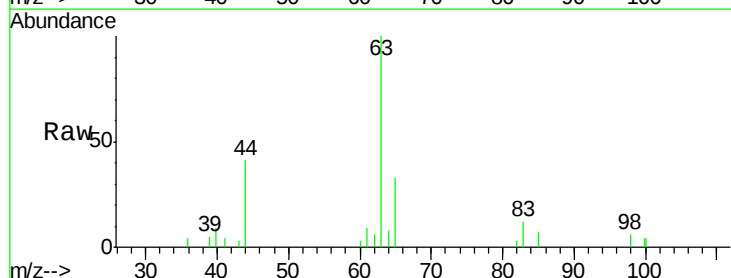
Tgt Ion: 63 Resp: 3817

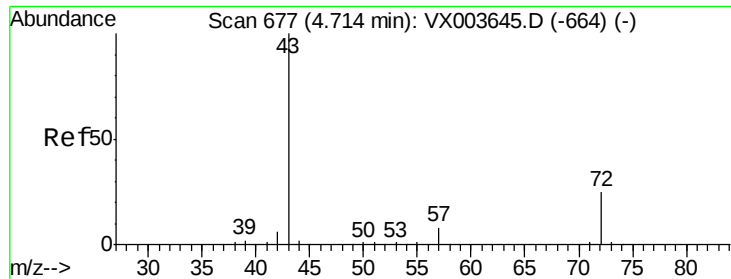
Ion Ratio Lower Upper

63 100

98 5.7 3.3 9.8

100 7.3 2.1 6.3#





#25

2-Butanone

Concen: 7.257 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX003642.D

Acq: 24 Jul 2018 16:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 7581

Ion Ratio Lower Upper

43 100

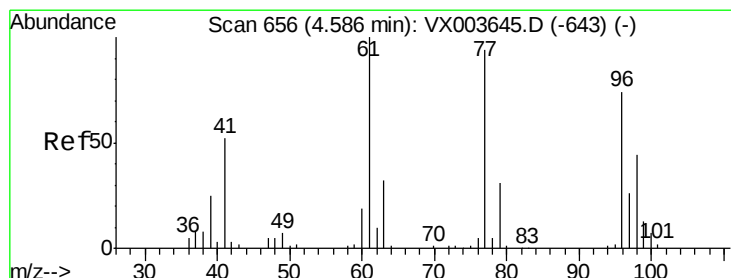
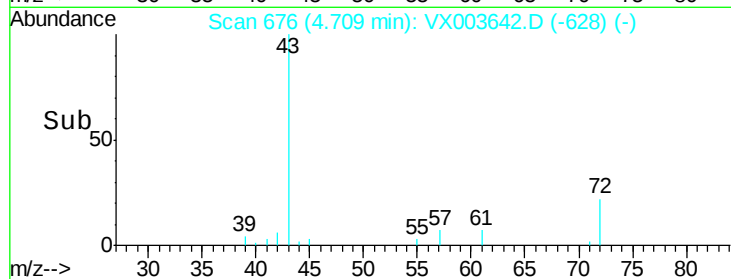
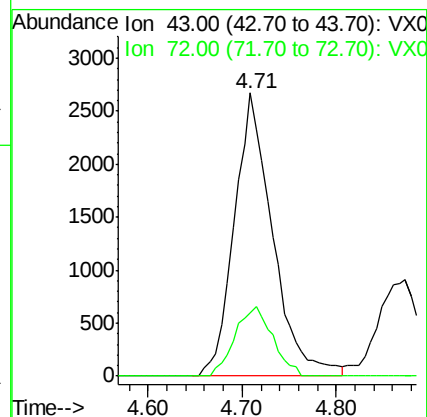
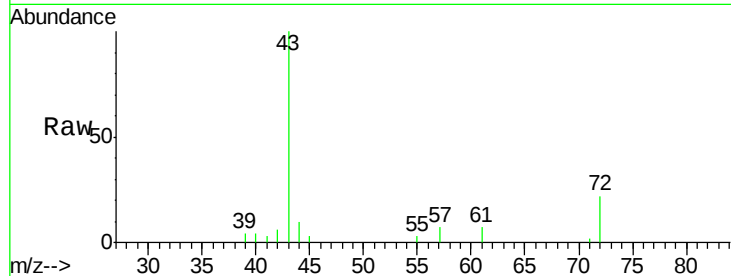
72 22.2 20.2 30.4

Manual Integrations

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8/2/2018 11:54:16 AM



#26

2,2-Dichloropropane

Concen: 1.159 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX003642.D

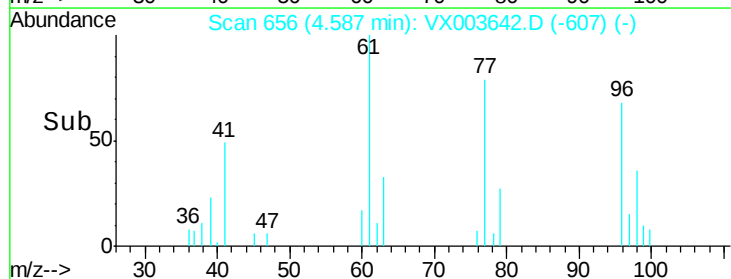
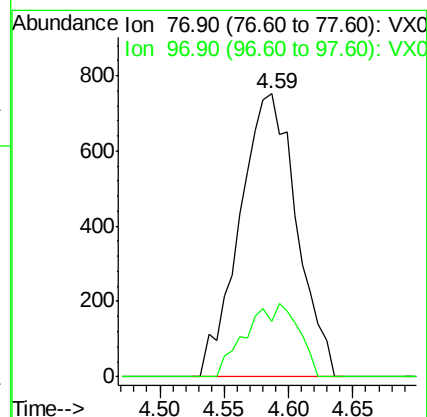
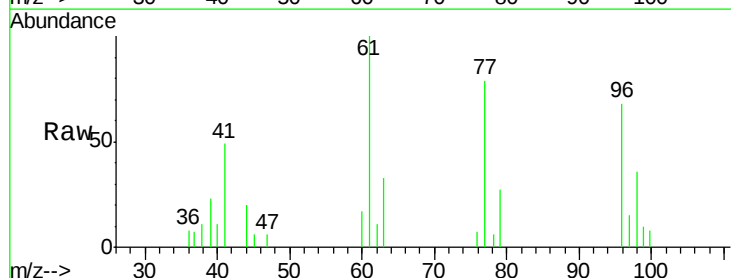
Acq: 24 Jul 2018 16:15

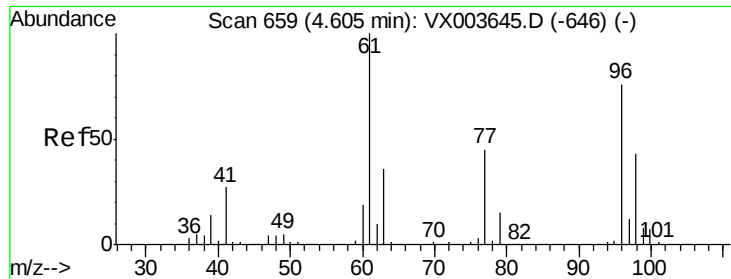
Tgt Ion: 77 Resp: 2302

Ion Ratio Lower Upper

77 100

97 12.9 12.0 36.0





#27

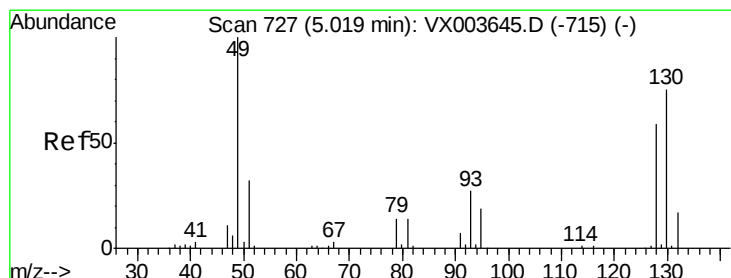
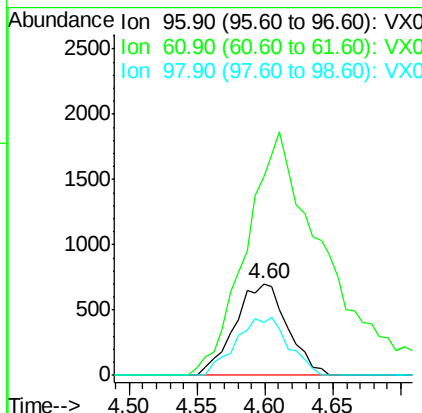
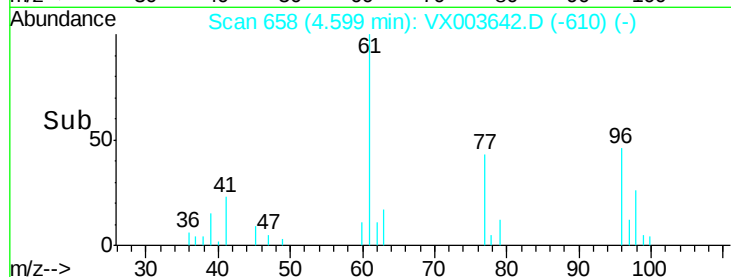
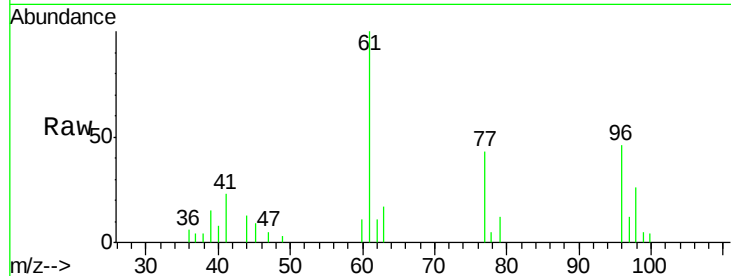
cis-1,2-Dichloroethene
Concen: 1.135 ug/l
RT: 4.60 min Scan# 658
Delta R.T. -0.01 min
Lab File: VX003642.D
Acq: 24 Jul 2018 16:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
96	100		
61	410.9	0.0	313.6#
98	63.2	0.0	125.6

Manual Integrations
APPROVED

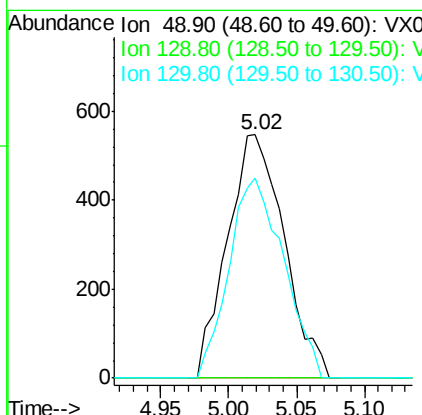
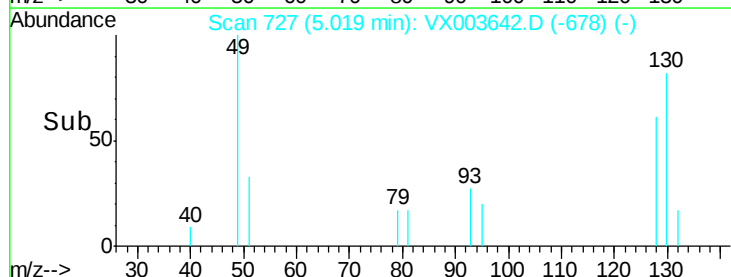
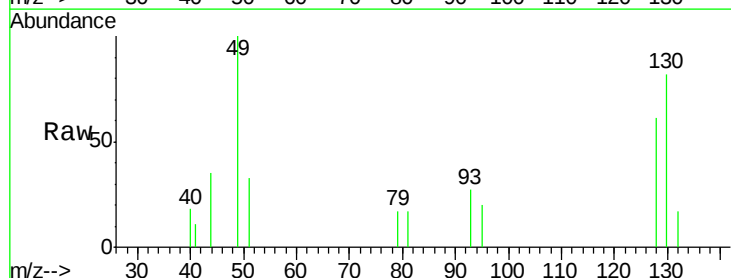
MMDadoda
8/2/2018 11:54:16 AM

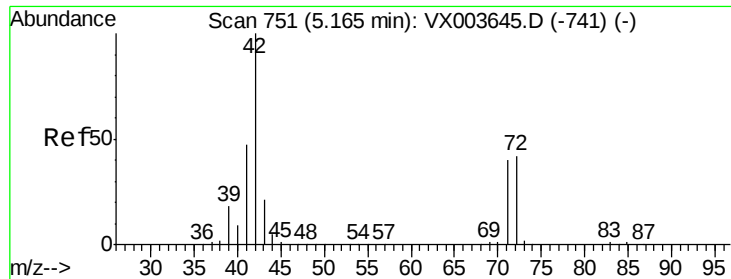


#28

Bromochloromethane
Concen: 1.382 ug/l
RT: 5.02 min Scan# 727
Delta R.T. 0.00 min
Lab File: VX003642.D
Acq: 24 Jul 2018 16:15

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.2
130	79.2	61.0	91.6





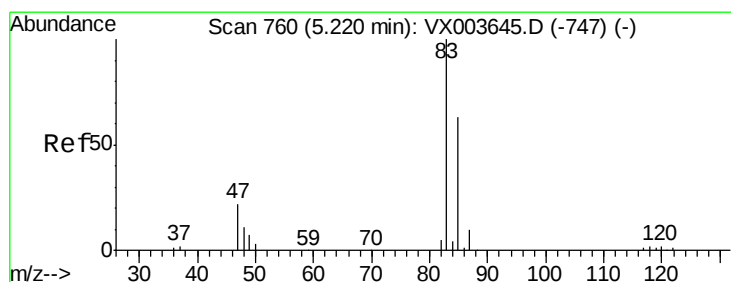
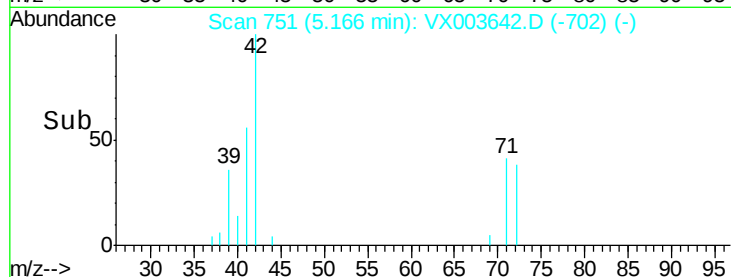
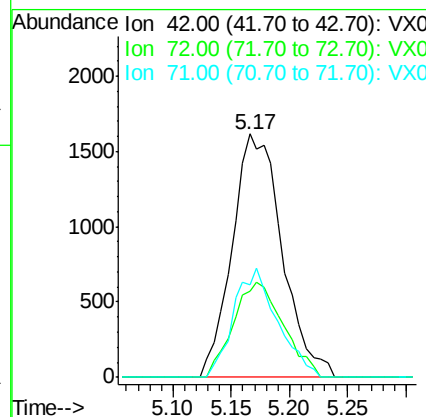
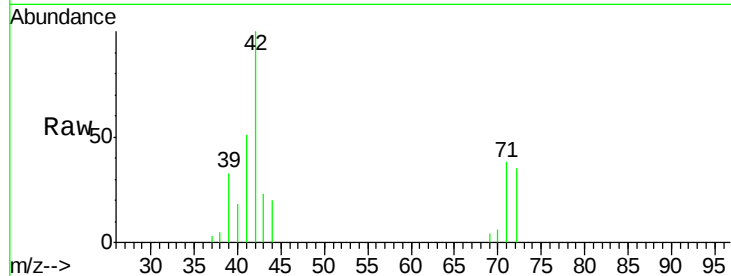
#29
Tetrahydrofuran
Concen: 6.955 ug/l
RT: 5.17 min Scan# 751
Delta R.T. 0.00 min
Lab File: VX003642.D
Acq: 24 Jul 2018 16:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.0	33.4	50.0
71	39.1	31.0	46.6

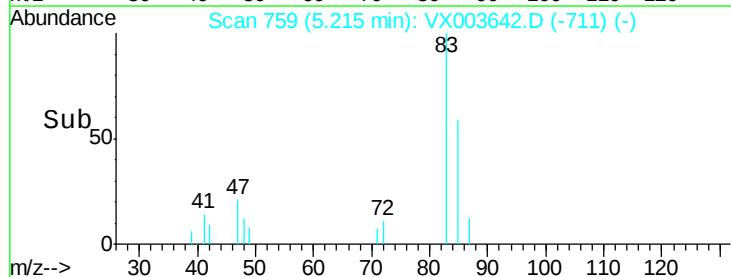
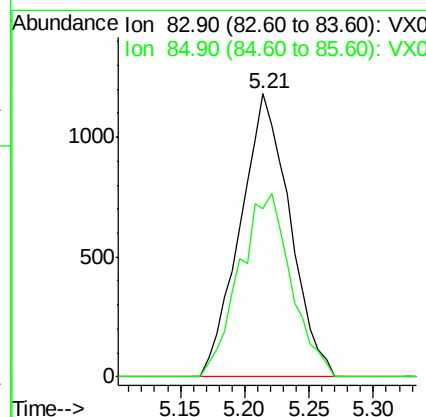
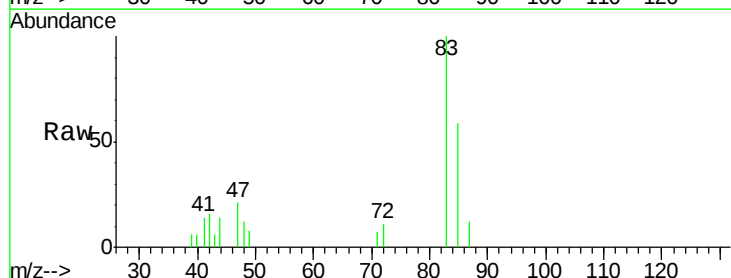
Manual Integrations
APPROVED

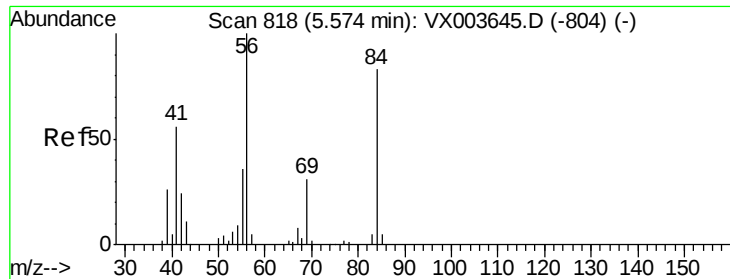
MMDadoda
8/2/2018 11:54:16 AM



#30
Chloroform
Concen: 1.212 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX003642.D
Acq: 24 Jul 2018 16:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	59.4	50.2	75.4





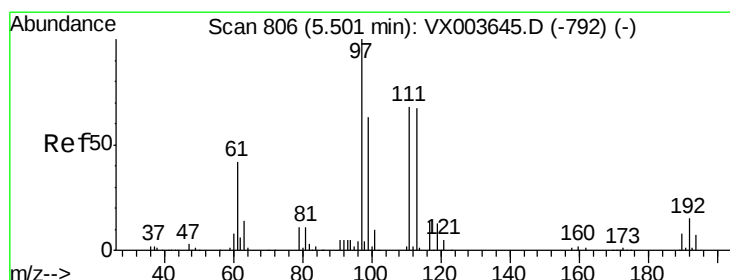
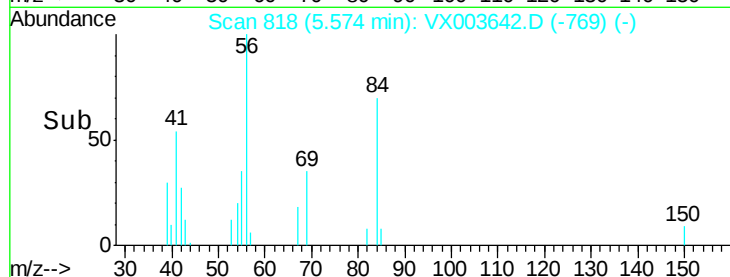
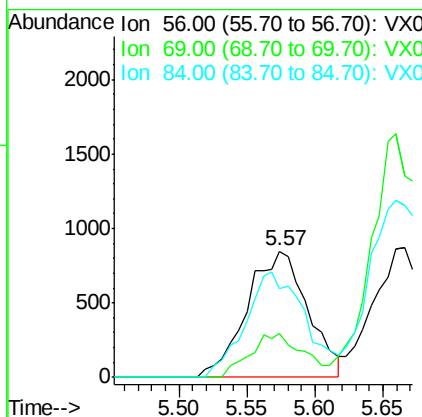
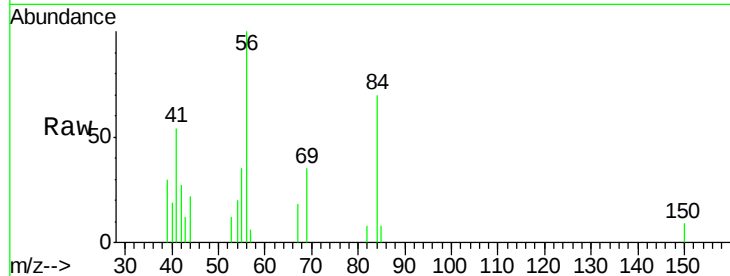
#31
Cyclohexane
Concen: 1.110 ug/l
RT: 5.57 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX003642.D
Acq: 24 Jul 2018 16:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.8	25.0	37.6
84	70.3	66.5	99.7

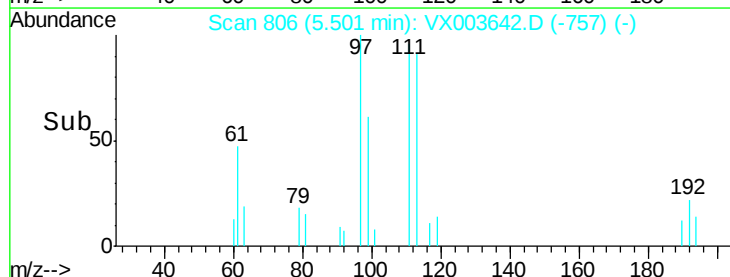
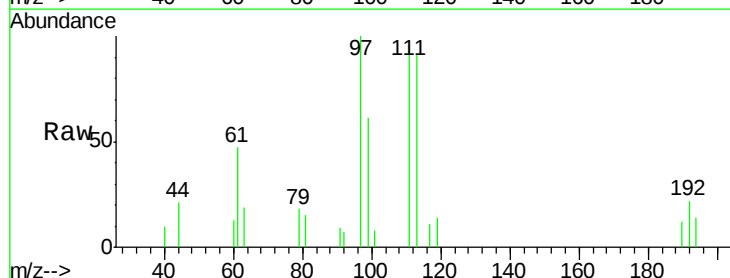
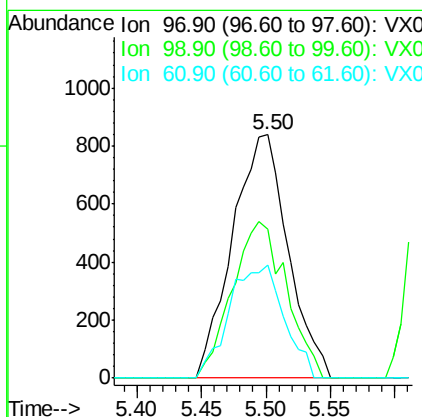
Manual Integrations
APPROVED

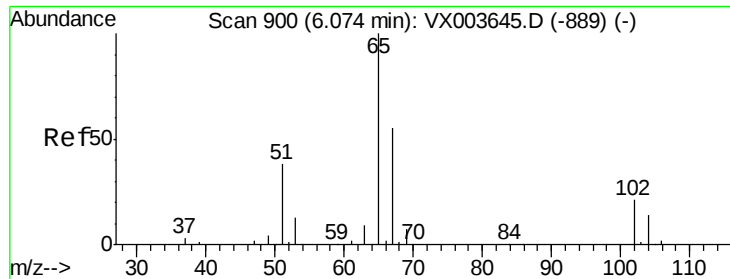
MMDadoda
8/2/2018 11:54:16 AM



#32
1,1,1-Trichloroethane
Concen: 1.131 ug/l
RT: 5.50 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX003642.D
Acq: 24 Jul 2018 16:15

Tgt Ion	Ratio	Lower	Upper
97	100		
99	0.0	50.4	75.6#
61	45.6	34.5	51.7





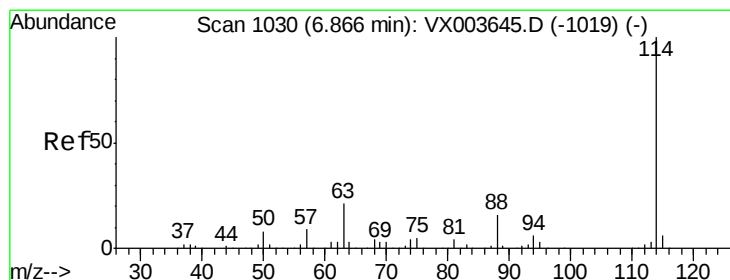
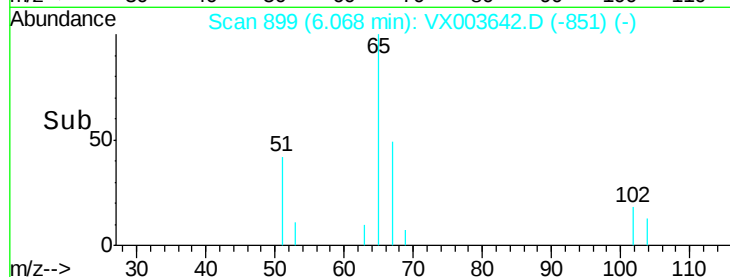
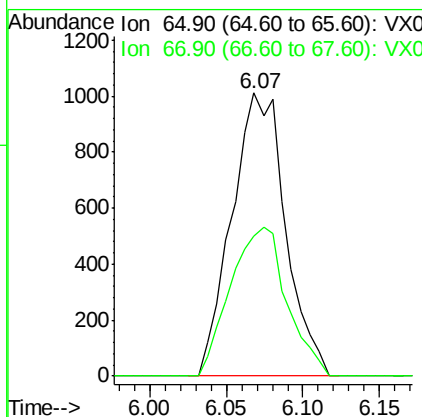
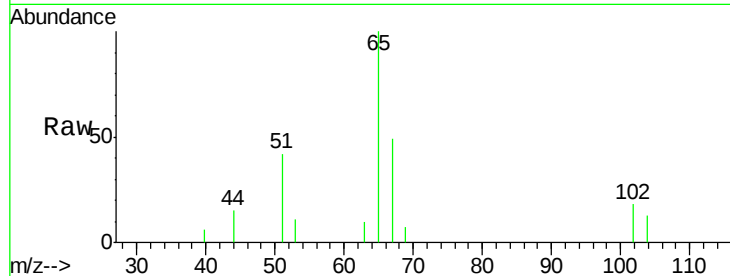
#33
 1,2-Dichloroethane-d4
 Concen: 1.530 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VX003642.D
 Acq: 24 Jul 2018 16:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.1	0.0	107.8

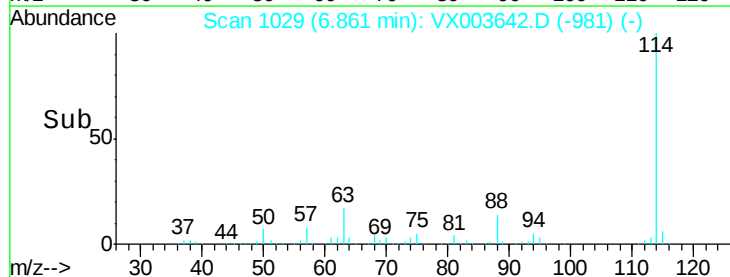
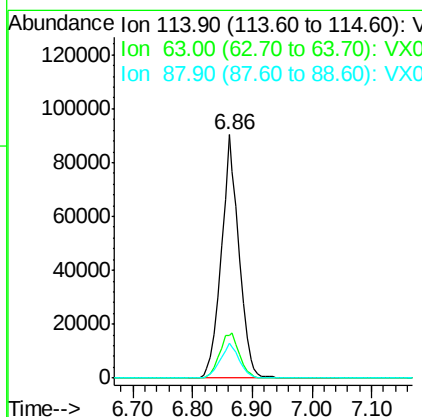
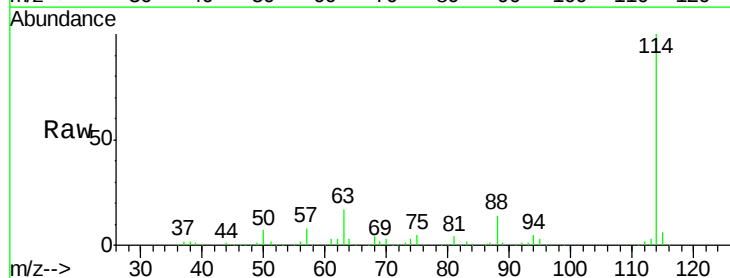
Manual Integrations
 APPROVED

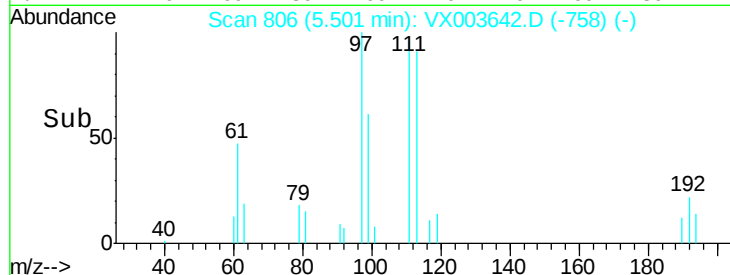
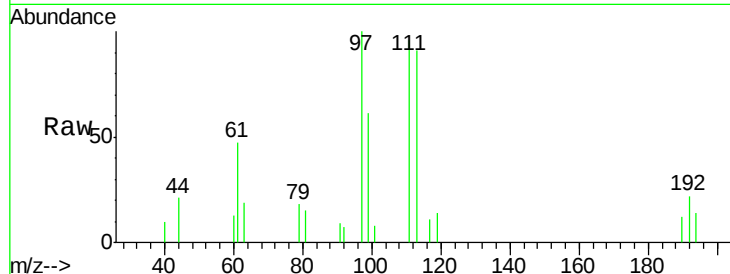
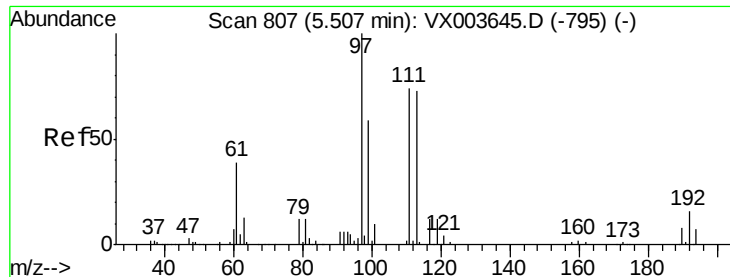
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX003642.D
 Acq: 24 Jul 2018 16:15

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.4	0.0	41.0
88	14.5	0.0	31.8





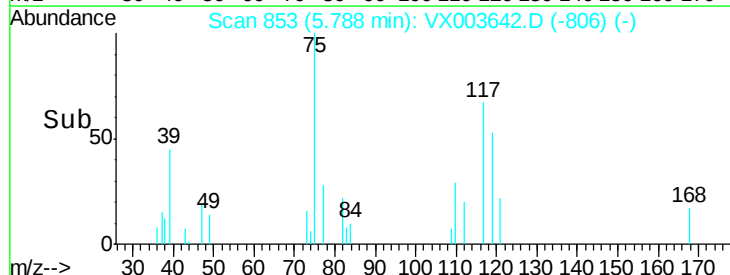
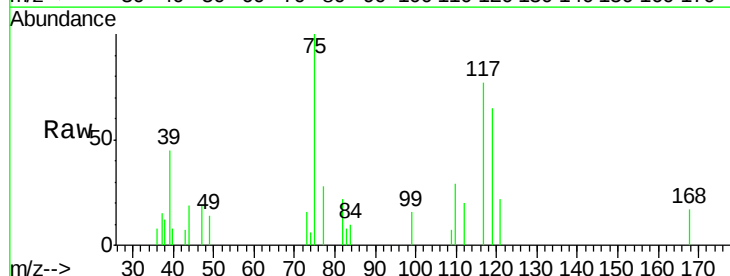
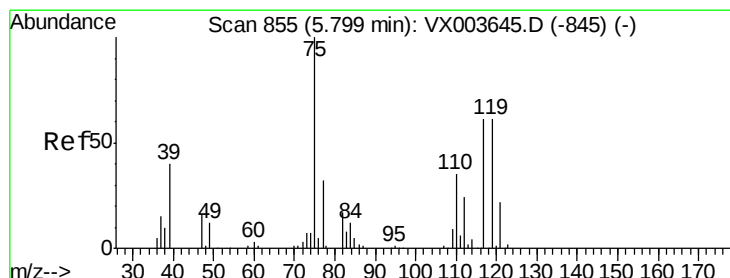
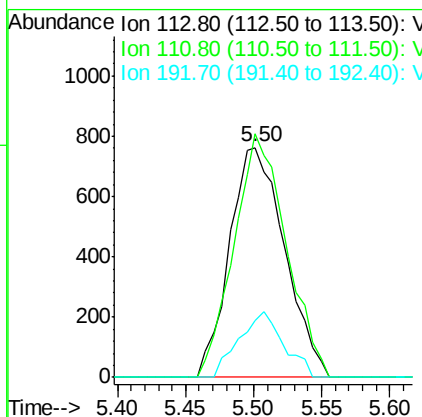
#35
Dibromofluoromethane
Concen: 1.484 ug/l
RT: 5.50 min Scan# 806
Delta R.T. -0.01 min
Lab File: VX003642.D
Acq: 24 Jul 2018 16:15

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.8	81.2	121.8
192	23.2	18.2	27.4

Instrument :
MSVOA_X
ClientSampled :
VSTDIC001

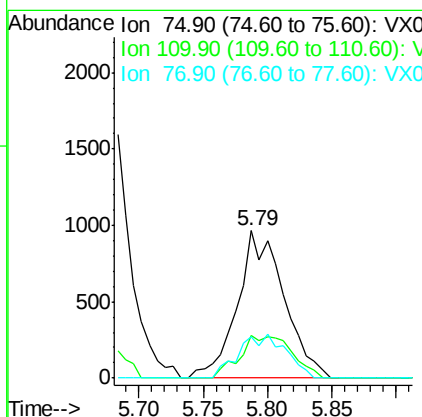
Manual Integrations
APPROVED

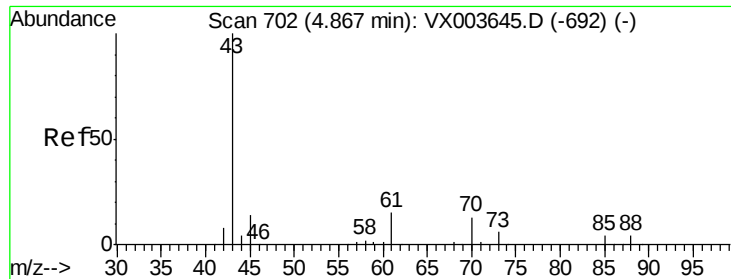
MMDadoda
8/2/2018 11:54:16 AM



#36
1,1-Dichloropropene
Concen: 1.185 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.01 min
Lab File: VX003642.D
Acq: 24 Jul 2018 16:15

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.7	18.1	54.1
77	30.4	25.1	37.7





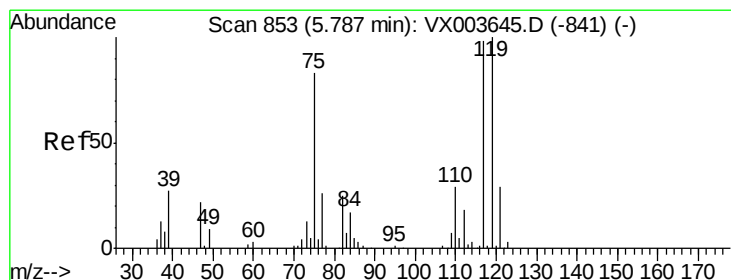
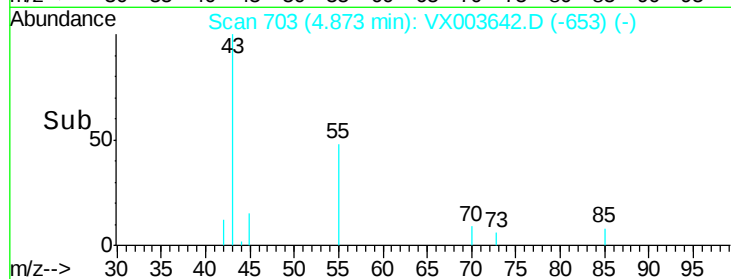
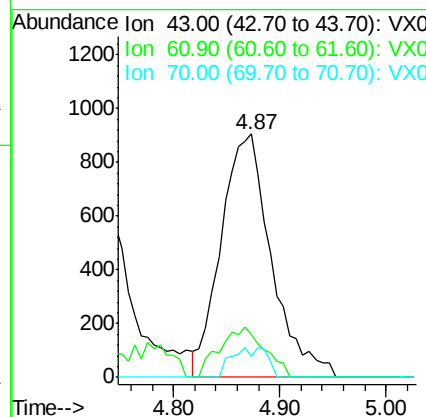
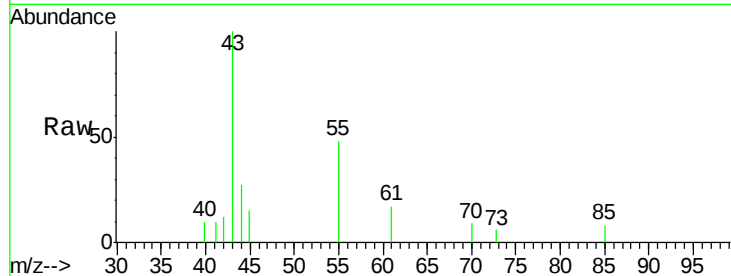
#37
Ethyl Acetate
Concen: 1.476 ug/l
RT: 4.87 min Scan# 703
Delta R.T. 0.01 min
Lab File: VX003642.D
Acq: 24 Jul 2018 16:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.4	11.9	17.9#
70	5.3	8.6	12.8#

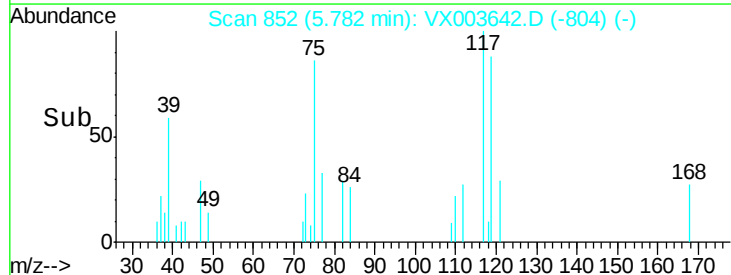
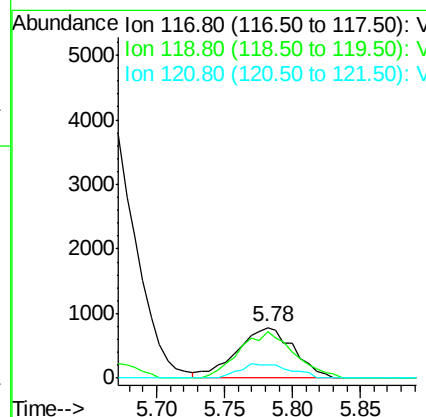
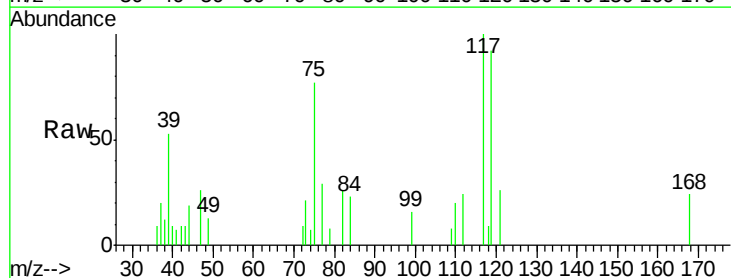
Manual Integrations
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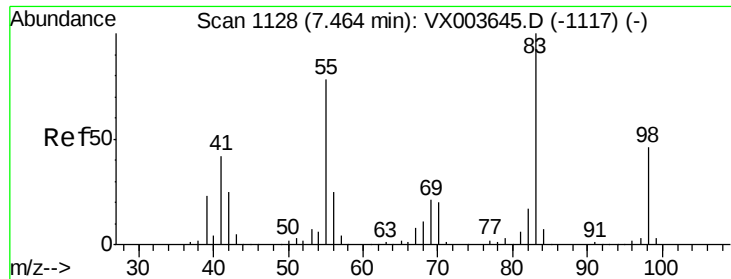
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#38
Carbon Tetrachloride
Concen: 1.150 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX003642.D
Acq: 24 Jul 2018 16:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.9	81.0	121.4
121	25.9	23.7	35.5





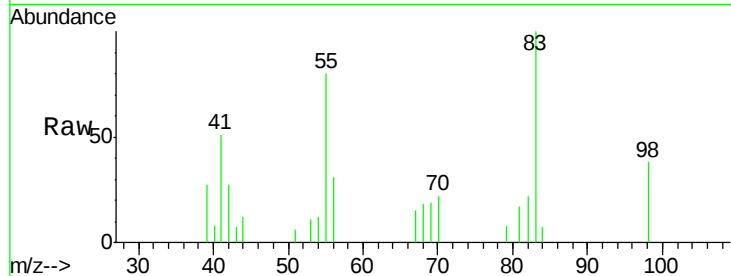
#39
Methvlcvclohexane
Concen: 0.969 ug/l
RT: 7.46 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VX003642.D
Acq: 24 Jul 2018 16:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

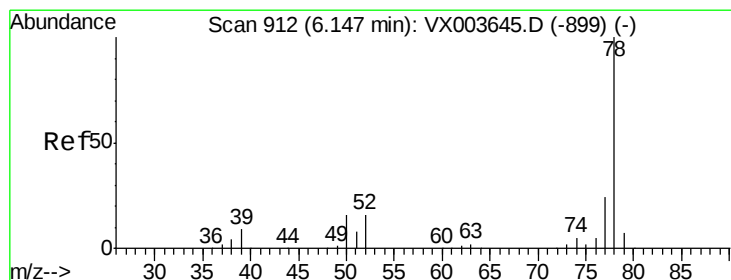
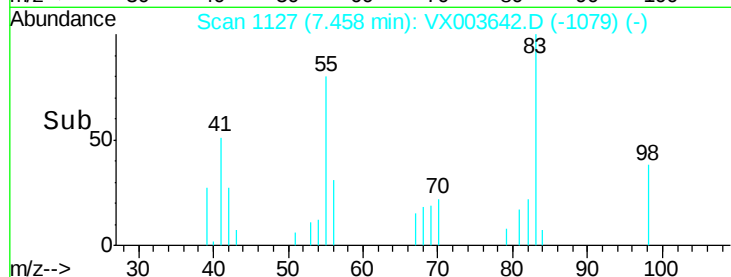
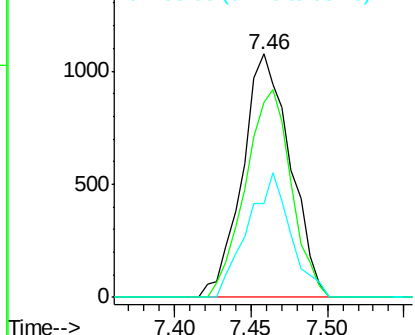
Tot Ion	Ratio	Lower	Upper
83	100		
55	80.0	62.6	93.8
98	38.4	36.6	55.0

Manual Integrations
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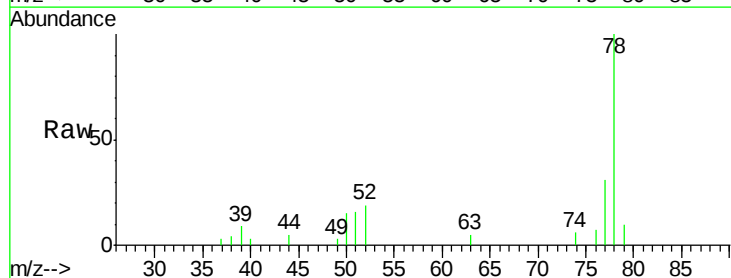


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

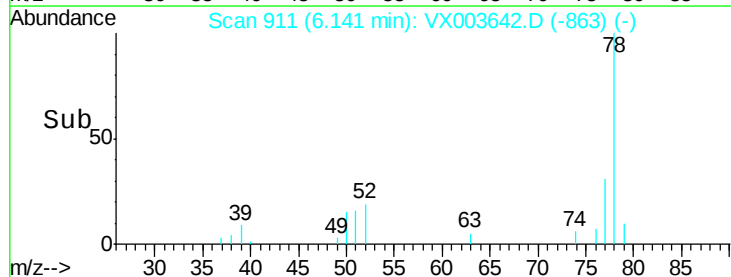
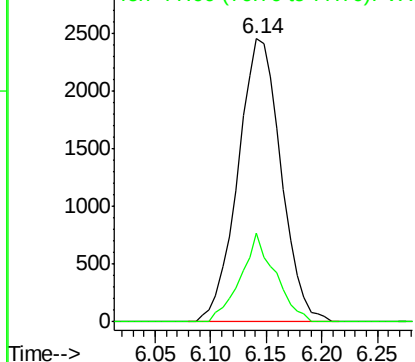


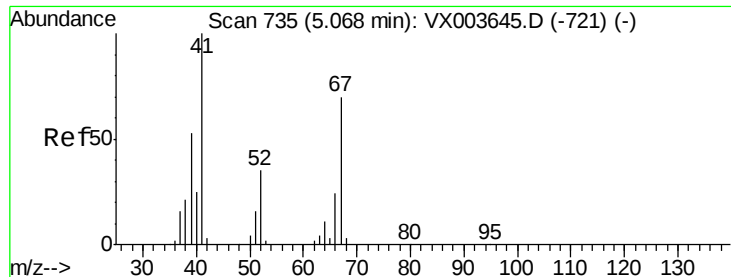
#40
Benzene
Concen: 1.063 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.01 min
Lab File: VX003642.D
Acq: 24 Jul 2018 16:15

Tgt Ion	Ratio	Lower	Upper
78	100		
77	31.3	19.0	28.6#



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0





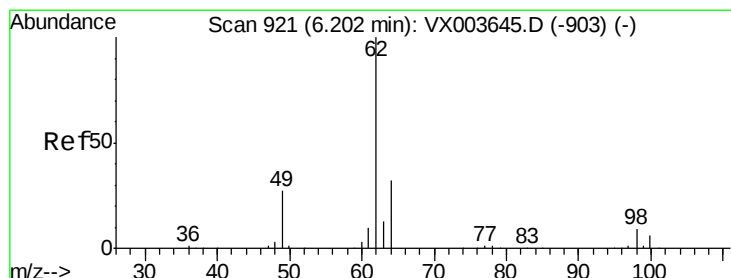
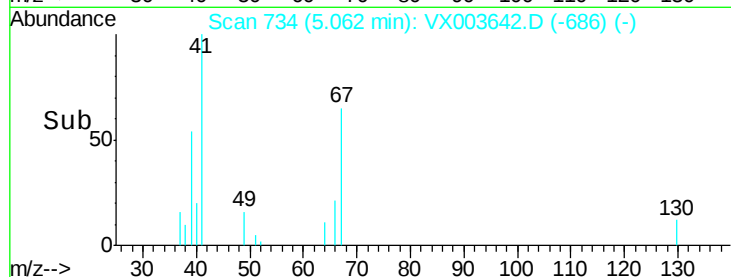
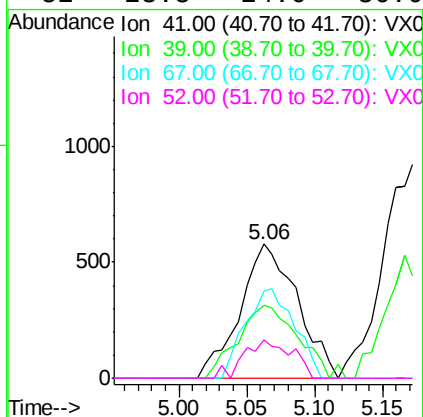
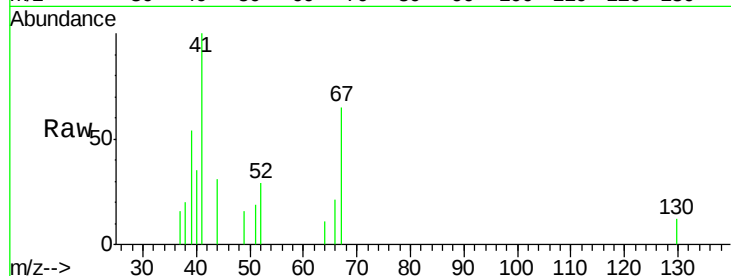
#41
Methacrylonitrile
Concen: 1.441 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.01 min
Lab File: VX003642.D
Acq: 24 Jul 2018 16:15

Instrument :
MSVOA_X
ClientSampled :
VSTDIC001

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	57.3	42.2	63.4	
67	57.3	56.6	84.8	
52	23.8	24.0	36.0	

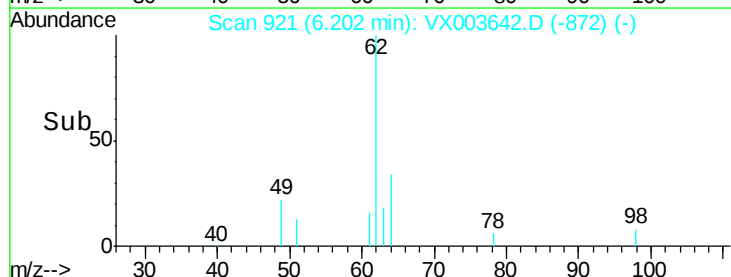
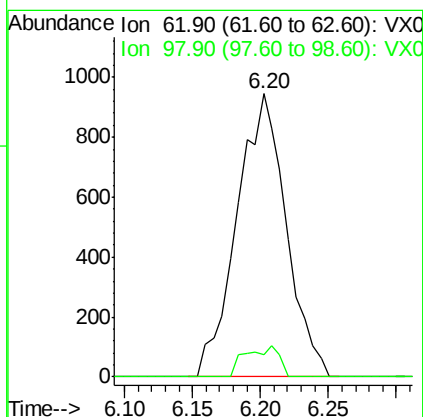
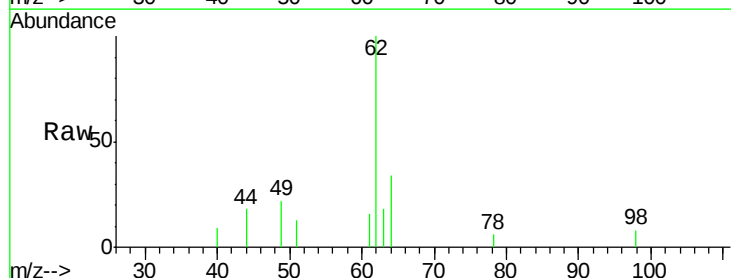
Manual Integrations
APPROVED

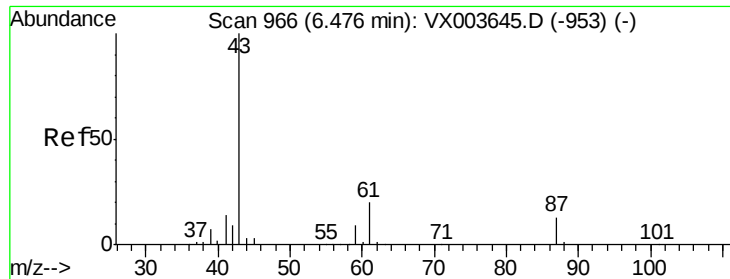
MMDadoda
8/2/2018 11:54:16 AM



#42
1,2-Dichloroethane
Concen: 1.206 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX003642.D
Acq: 24 Jul 2018 16:15

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.4	0.0	18.4	





#43

Isopropyl Acetate

Concen: 1.168 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX003642.D

Acq: 24 Jul 2018 16:15

Instrument :

MSVOA_X

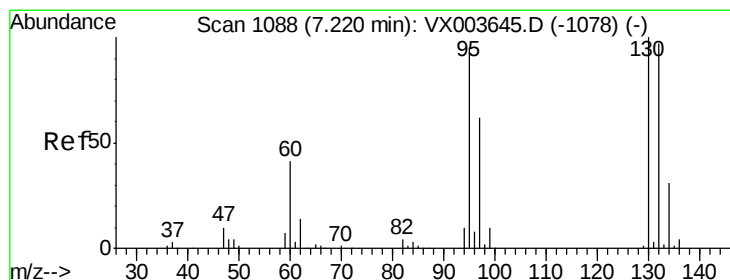
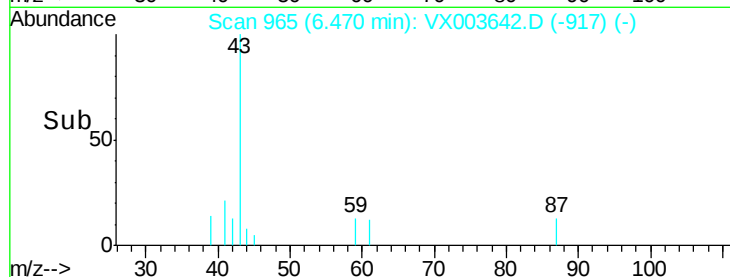
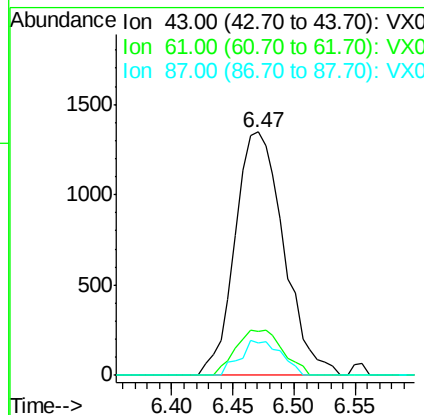
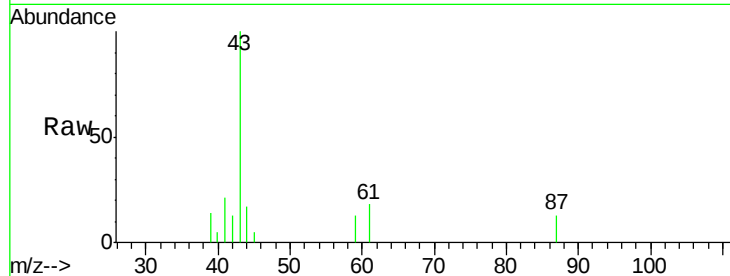
ClientSampleId :

VSTDIC001

Tot Ion:	43	Resp:	3723
Ion	Ratio	Lower	Upper
43	100		
61	18.0	15.9	23.9
87	12.0	10.1	15.1

Manual Integrations
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#44

Trichloroethene

Concen: 1.054 ug/l

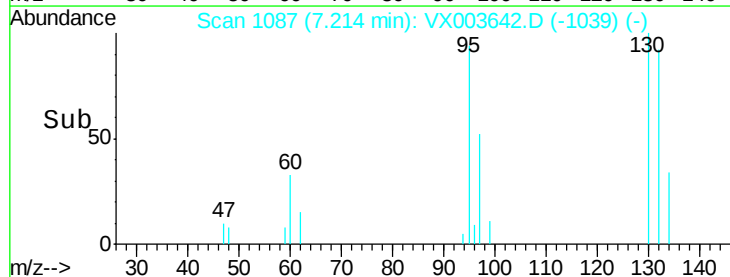
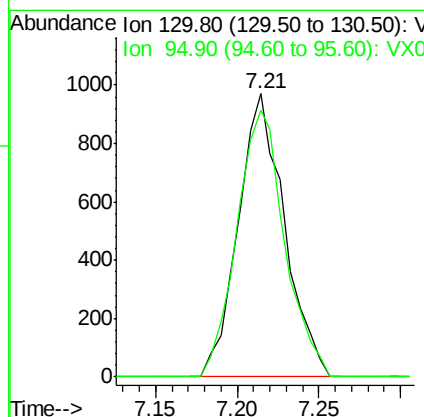
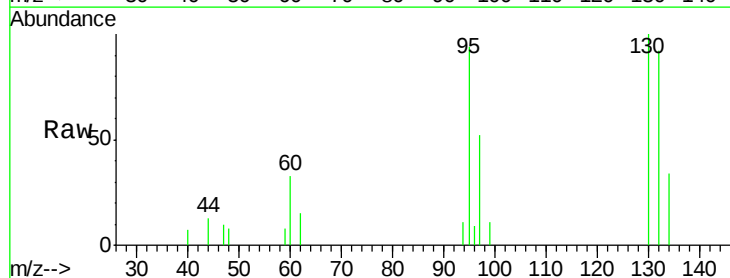
RT: 7.21 min Scan# 1087

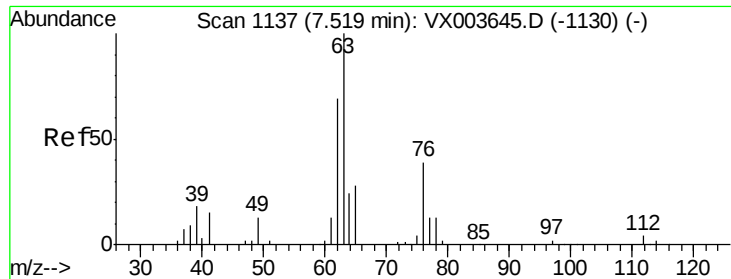
Delta R.T. -0.01 min

Lab File: VX003642.D

Acq: 24 Jul 2018 16:15

Tgt Ion:	130	Resp:	1904
Ion	Ratio	Lower	Upper
130	100		
95	94.0	0.0	190.0





#45

1,2-Dichloropropane

Concen: 1.017 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VX003642.D

Acq: 24 Jul 2018 16:15

Instrument :

MSVOA_X

ClientSampled :

VSTDIC001

Tot Ion: 63 Resp: 1602

Ion Ratio Lower Upper

63 100

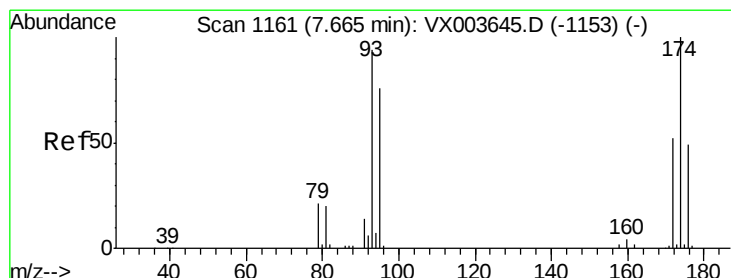
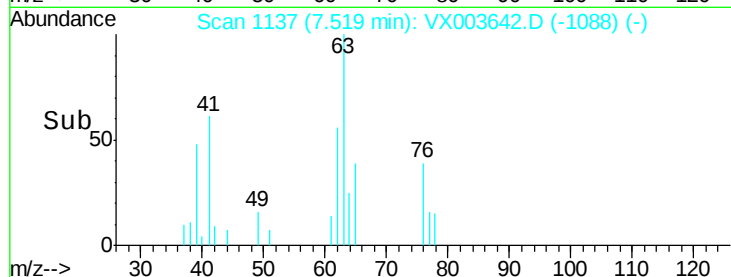
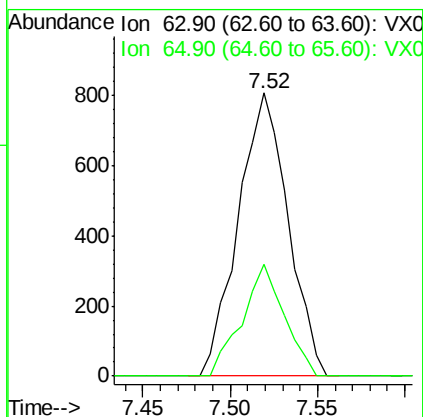
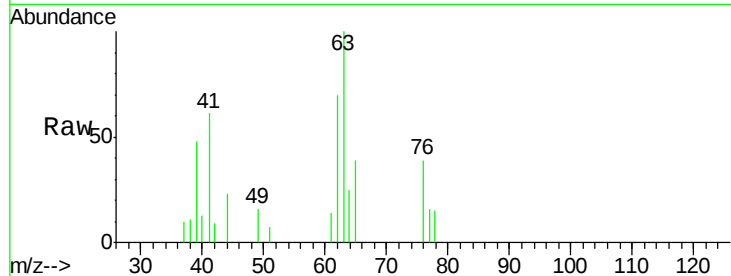
65 39.3 24.0 36.0#

Manual Integrations

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#46

Dibromomethane

Concen: 1.089 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VX003642.D

Acq: 24 Jul 2018 16:15

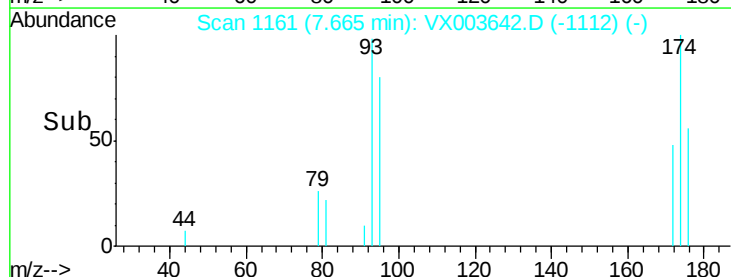
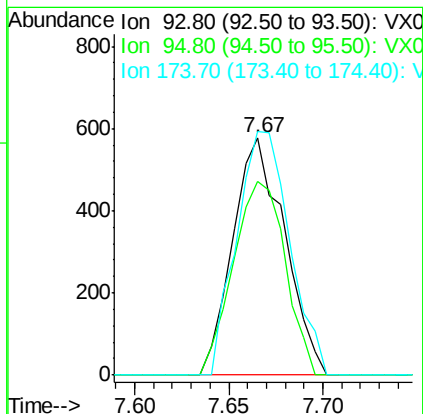
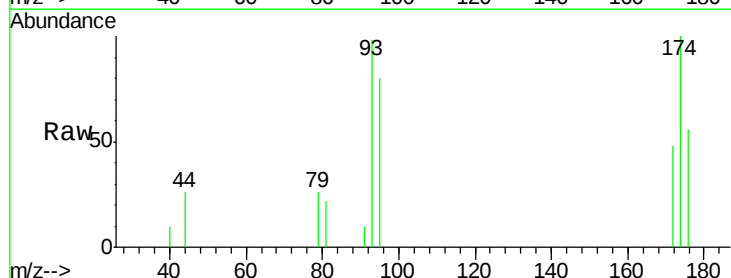
Tgt Ion: 93 Resp: 1101

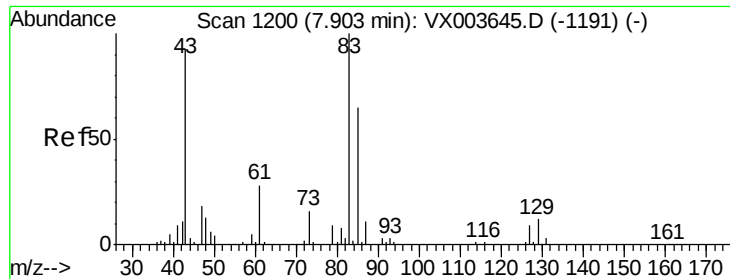
Ion Ratio Lower Upper

93 100

95 81.8 67.0 100.6

174 105.3 89.6 134.4





#47

Bromodichloromethane

Concen: 1.057 ug/l

RT: 7.90 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VX003642.D

Acq: 24 Jul 2018 16:15

Instrument :

MSVOA_X

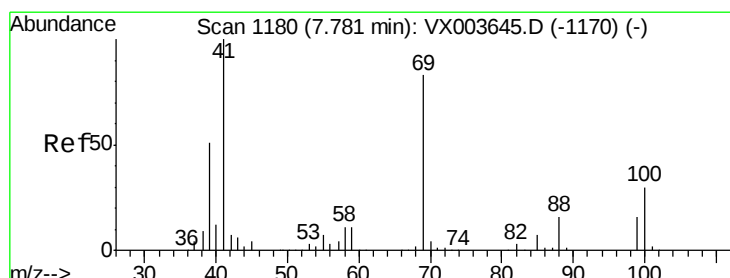
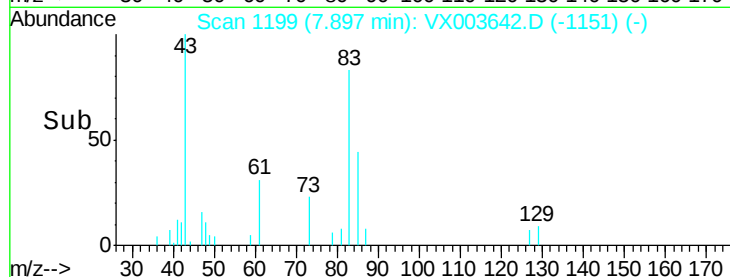
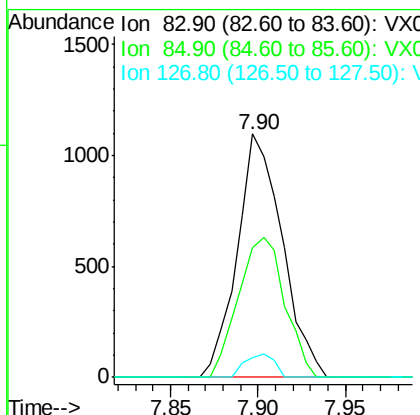
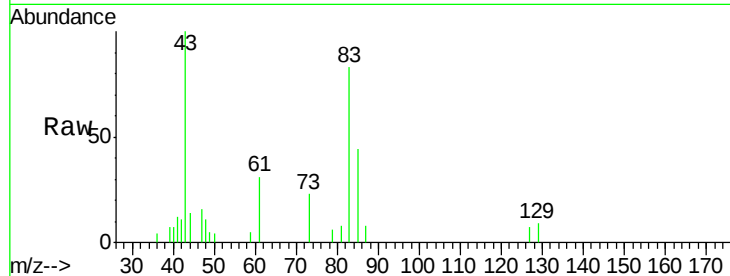
ClientSampleId :

VSTDIC001

Tot Ion:	83	Resp:	1963
Ion	Ratio	Lower	Upper
83	100		
85	53.0	51.8	77.6
127	8.0	7.0	10.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 1.139 ug/l

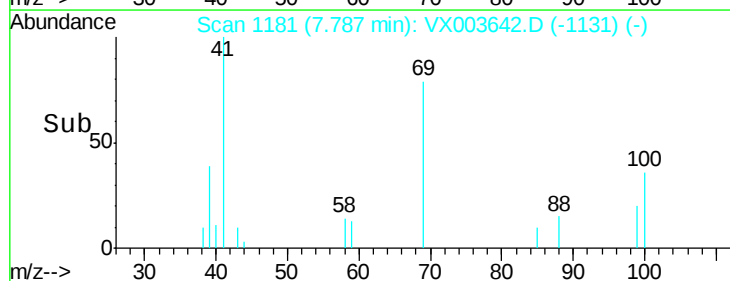
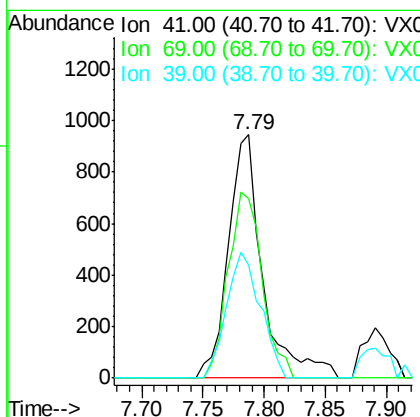
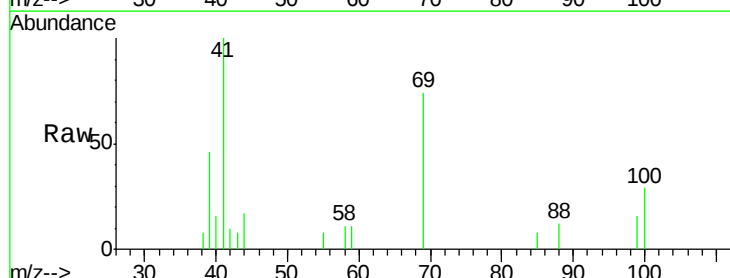
RT: 7.79 min Scan# 1181

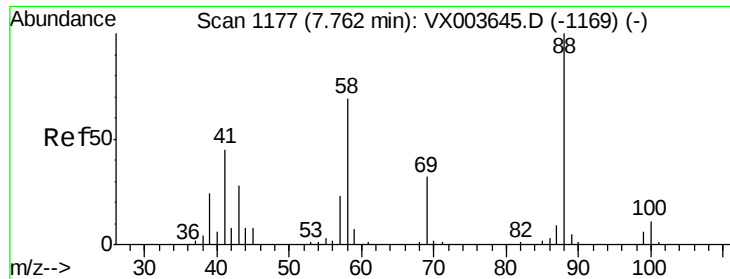
Delta R.T. 0.01 min

Lab File: VX003642.D

Acq: 24 Jul 2018 16:15

Tgt Ion:	41	Resp:	1834
Ion	Ratio	Lower	Upper
41	100		
69	75.5	66.9	100.3
39	51.4	41.2	61.8





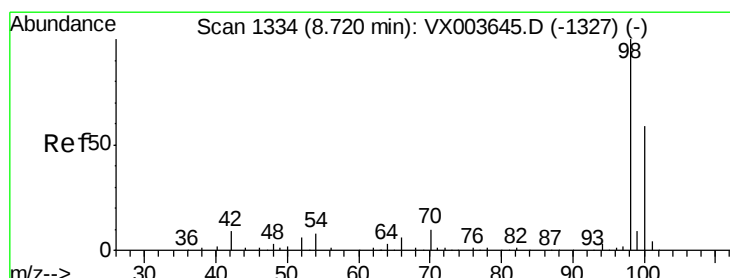
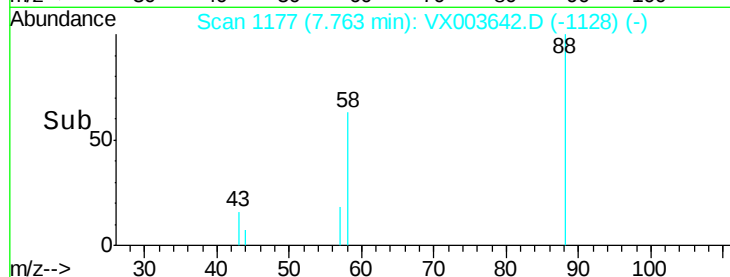
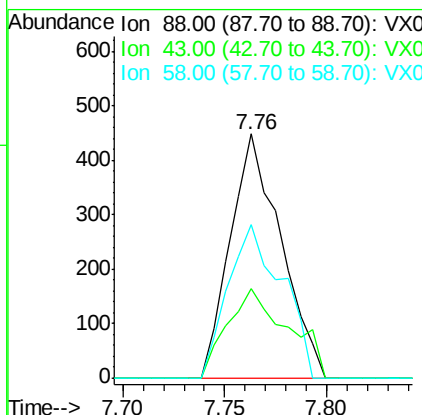
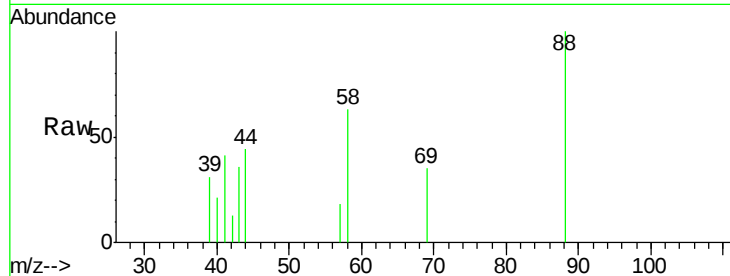
#49
1,4-Dioxane
Concen: 21.157 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VX003642.D
Acq: 24 Jul 2018 16:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
88	100		
43	43.8	25.8	38.6#
58	67.2	58.3	87.5

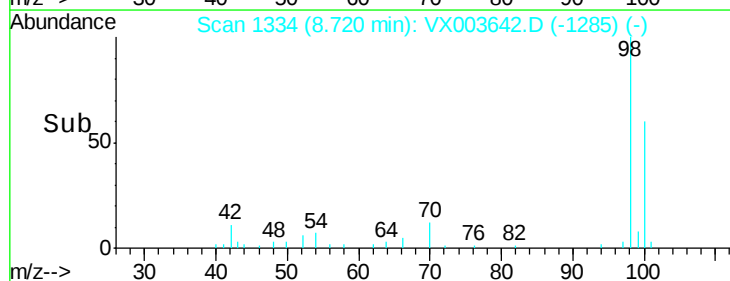
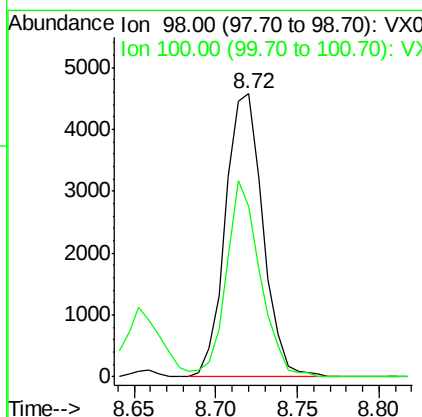
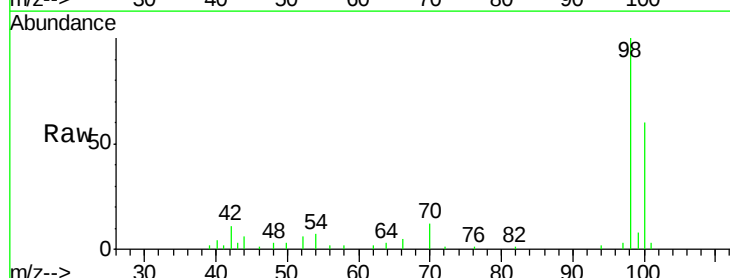
Manual Integrations
APPROVED

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#50
Toluene-d8
Concen: 1.344 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003642.D
Acq: 24 Jul 2018 16:15

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.6	50.9	76.3





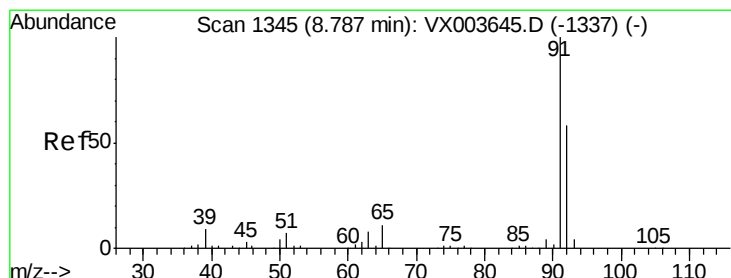
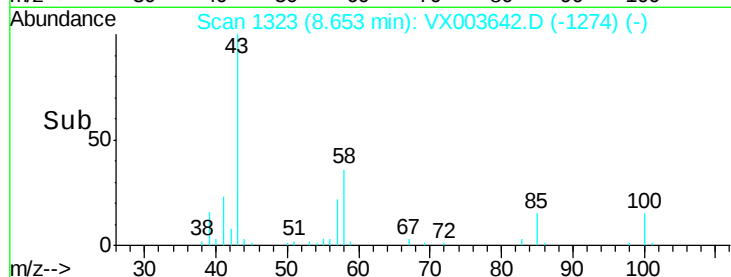
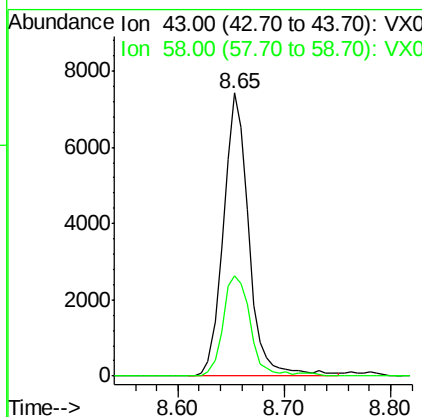
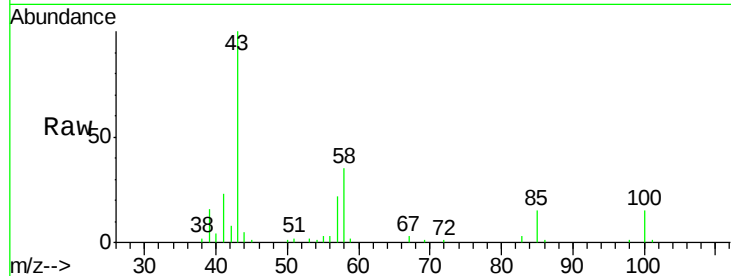
#51
4-Methyl-2-Pentanone
Concen: 6.125 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. 0.00 min
Lab File: VX003642.D
Acq: 24 Jul 2018 16:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	43	58	Ratio	Lower	Upper	Resp
12449	100	37.7		31.5	47.3	

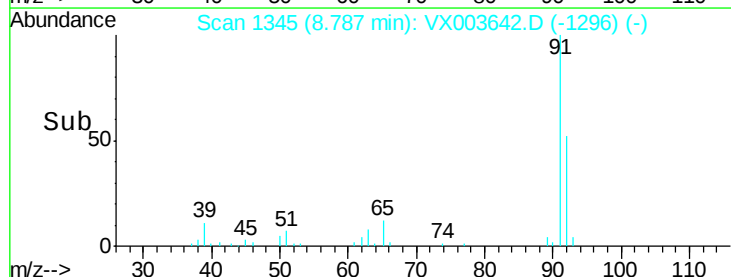
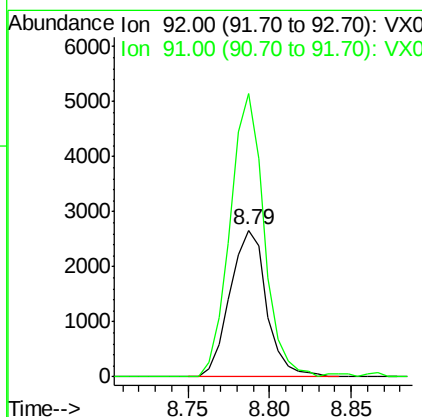
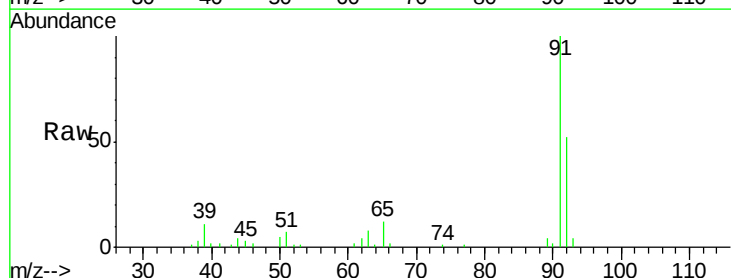
Manual Integrations
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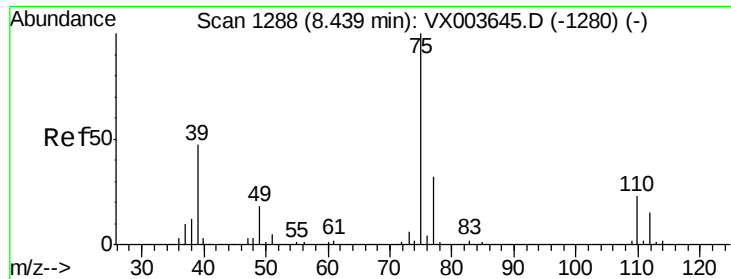
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#52
Toluene
Concen: 1.076 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. 0.00 min
Lab File: VX003642.D
Acq: 24 Jul 2018 16:15

Tgt Ion	92	91	Ratio	Lower	Upper	Resp
4166	100	178.7		139.0	208.6	





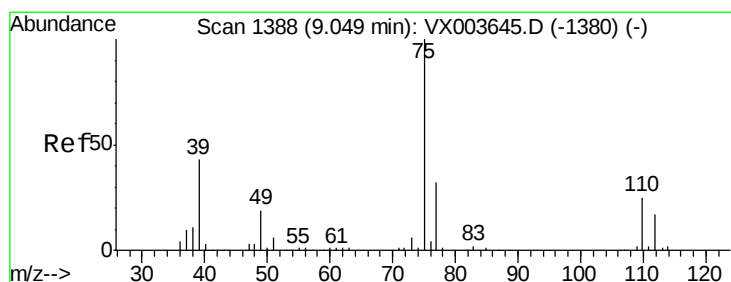
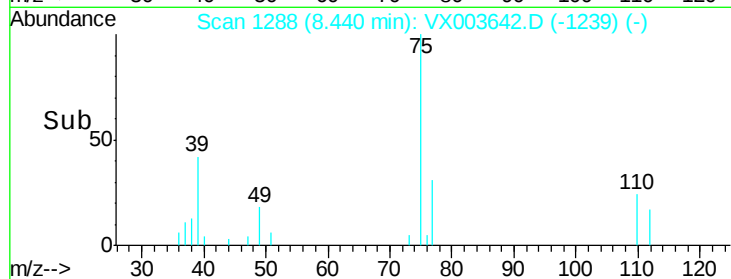
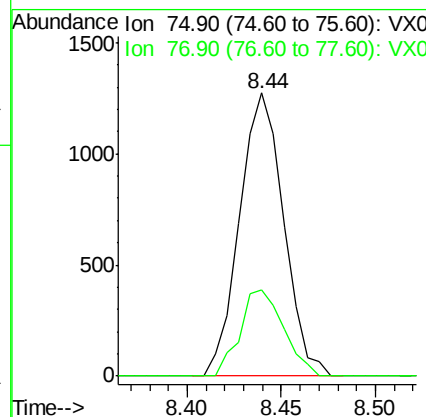
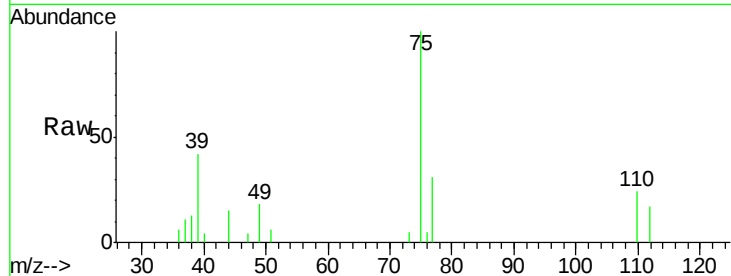
#53
t-1,3-Dichloropropene
Concen: 0.906 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX003642.D
Acq: 24 Jul 2018 16:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion: 75 Resp: 2064
Ion Ratio Lower Upper
75 100
77 30.6 25.2 37.8

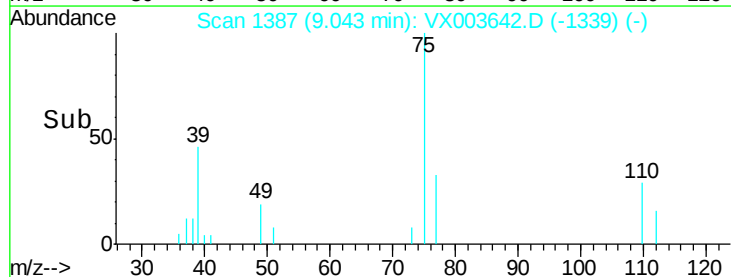
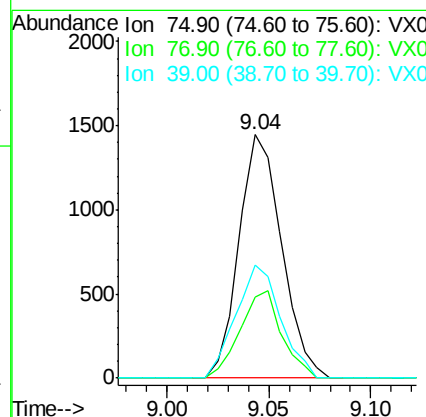
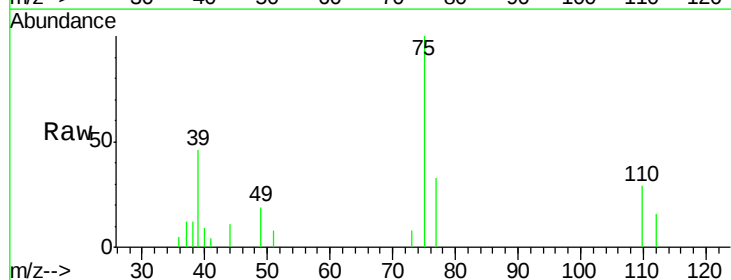
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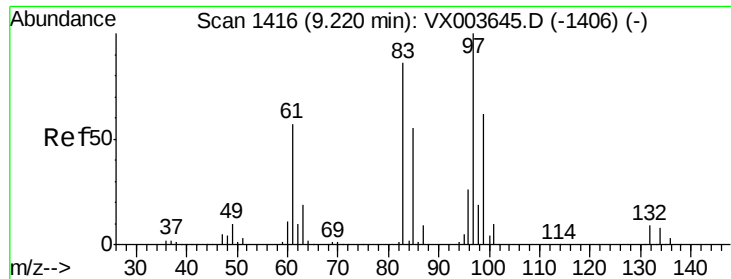
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#54
cis-1,3-Dichloropropene
Concen: 1.020 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.01 min
Lab File: VX003642.D
Acq: 24 Jul 2018 16:15

Tgt Ion: 75 Resp: 2097
Ion Ratio Lower Upper
75 100
77 33.4 25.8 38.6
39 46.4 34.2 51.4





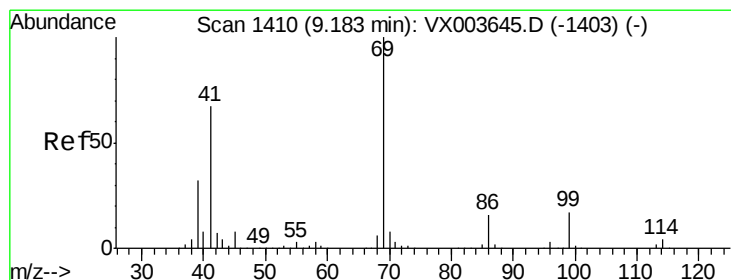
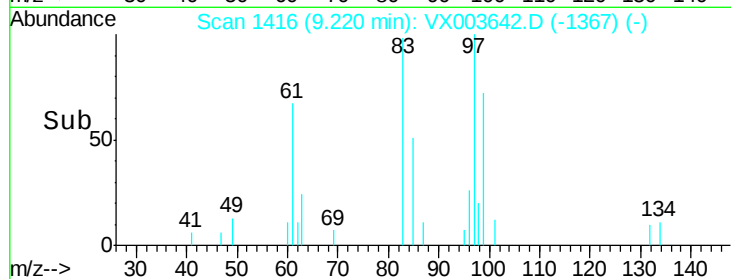
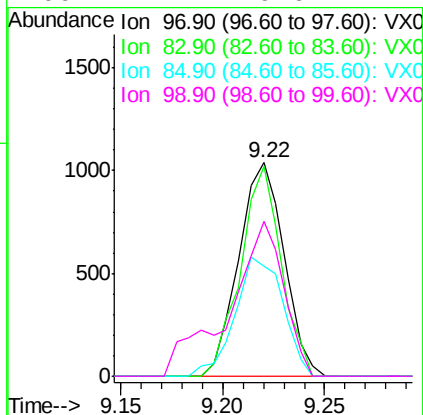
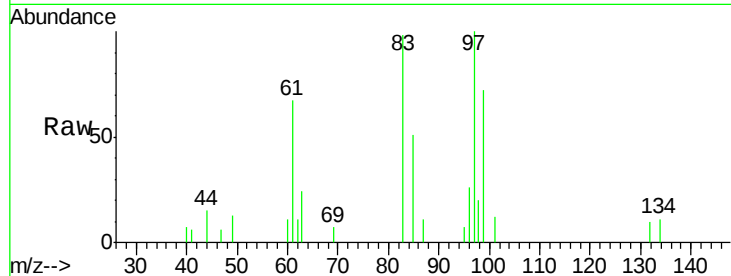
#55
 1,1,2-Trichloroethane
 Concen: 1.036 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003642.D
 Acq: 24 Jul 2018 16:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion:	97	Resp:	1605
Ion	Ratio	Lower	Upper
97	100		
83	98.2	68.7	103.1
85	51.3	43.7	65.5
99	72.4	49.6	74.4

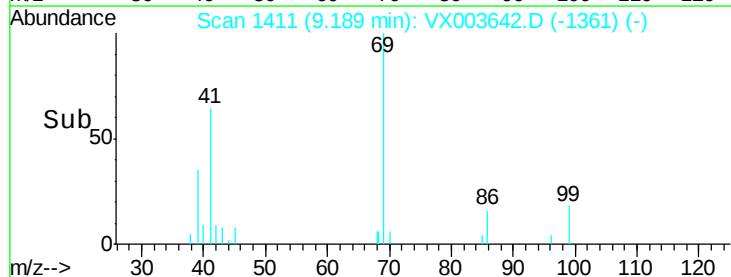
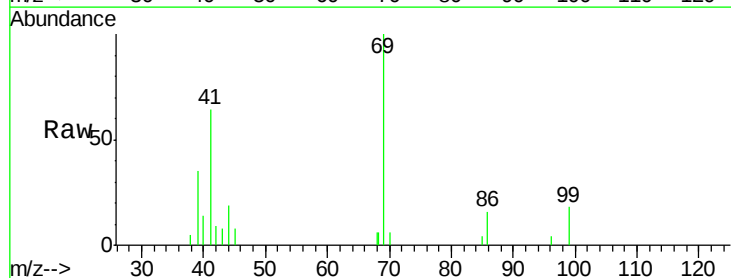
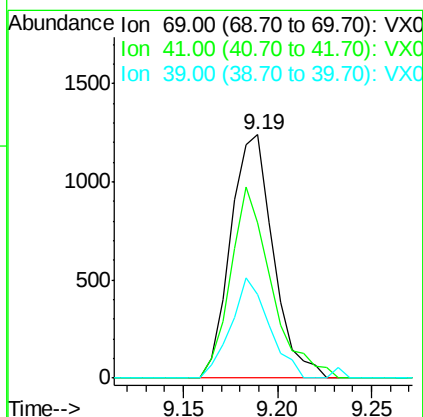
Manual Integrations
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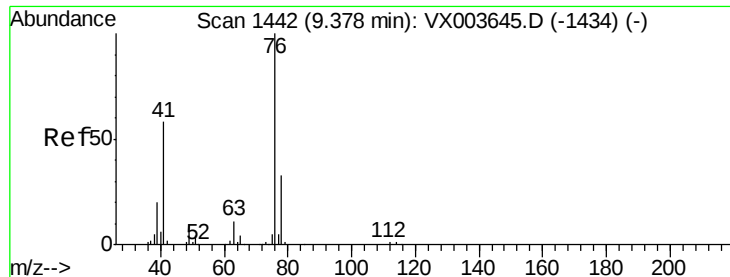
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#56
 Ethyl methacrylate
 Concen: 0.882 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. 0.01 min
 Lab File: VX003642.D
 Acq: 24 Jul 2018 16:15

Tgt Ion:	69	Resp:	1947
Ion	Ratio	Lower	Upper
69	100		
41	75.1	53.8	80.6
39	37.2	25.8	38.8





#57

1,3-Dichloropropane

Concen: 1.072 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VX003642.D

Acq: 24 Jul 2018 16:15

Instrument :

MSVOA_X

ClientSampled :

VSTDIC001

Tot Ion: 76 Resp: 2701

Ion Ratio Lower Upper

76 100

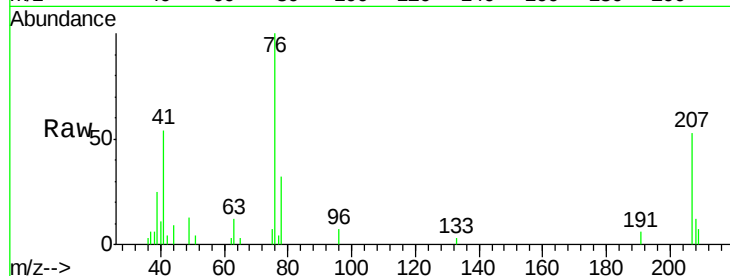
78 32.5 25.6 38.4

Manual Integrations

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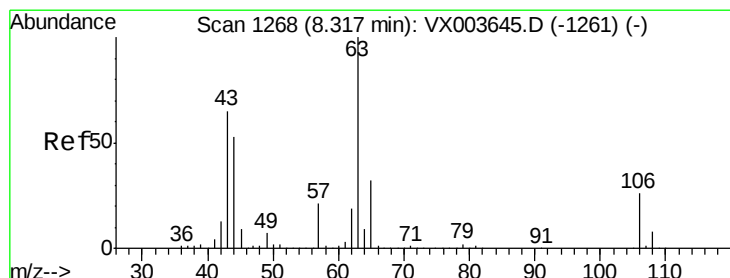
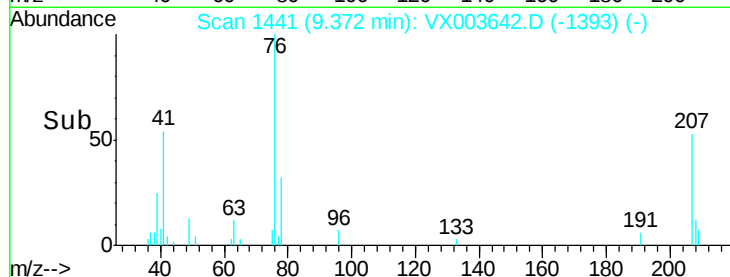
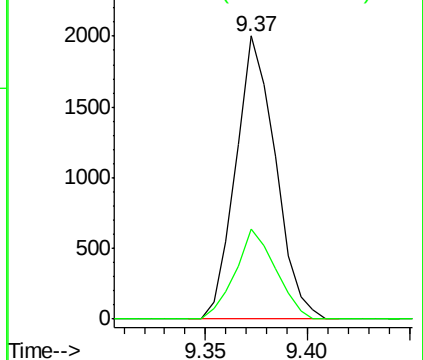
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 4.458 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VX003642.D

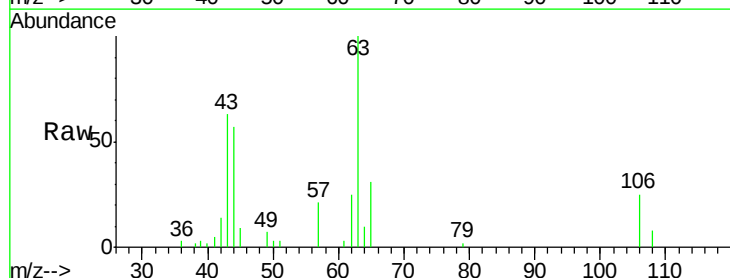
Acq: 24 Jul 2018 16:15

Tgt Ion: 63 Resp: 4838

Ion Ratio Lower Upper

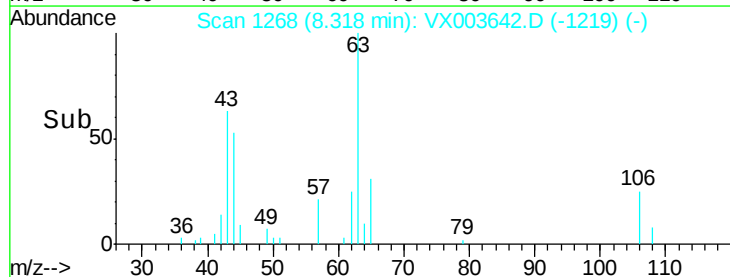
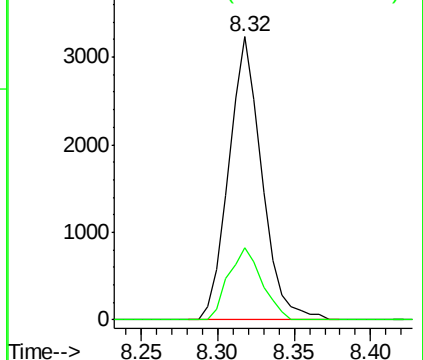
63 100

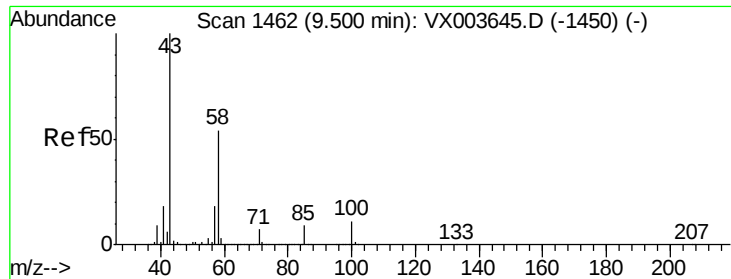
106 25.8 21.5 32.3



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





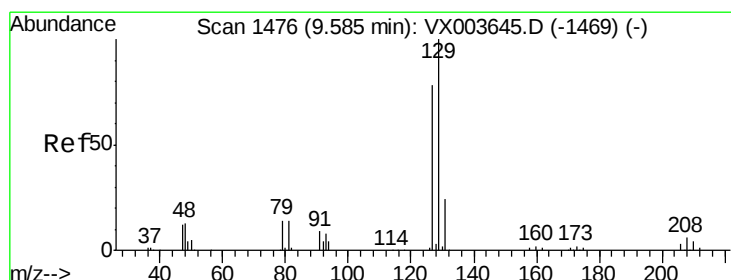
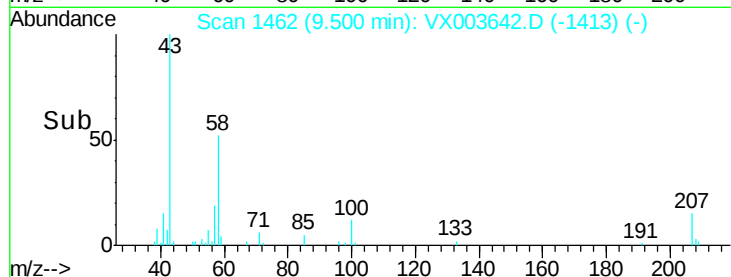
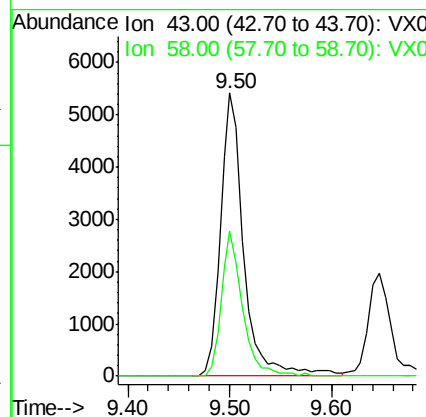
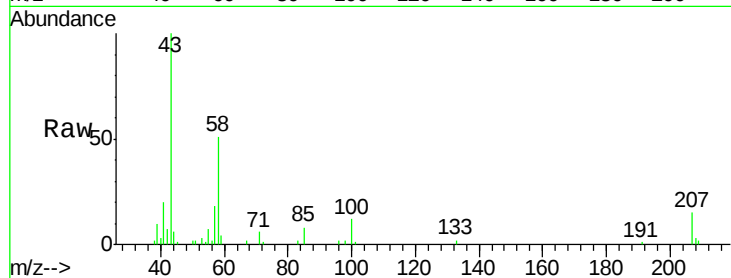
#59
2-Hexanone
Concen: 5.694 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003642.D
Acq: 24 Jul 2018 16:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion: 43 Resp: 8647
Ion Ratio Lower Upper
43 100
58 46.7 27.3 81.9

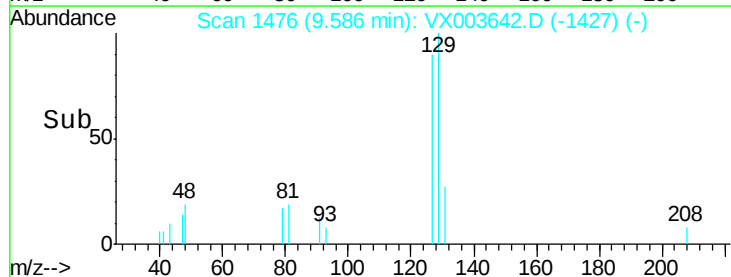
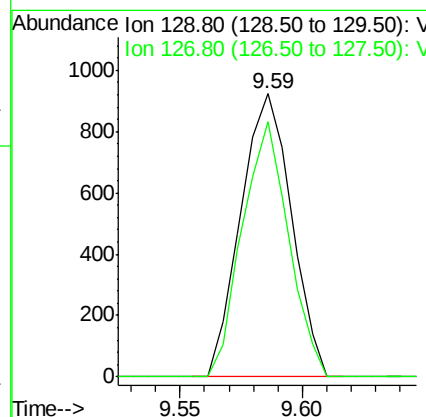
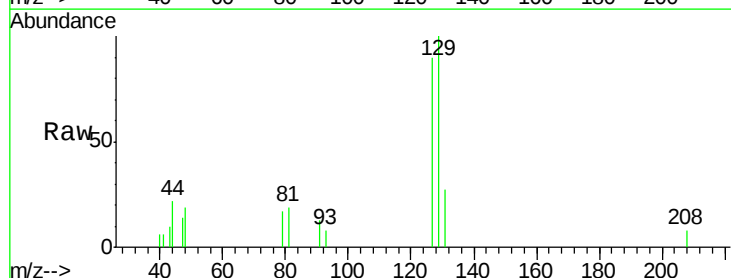
Manual Integrations
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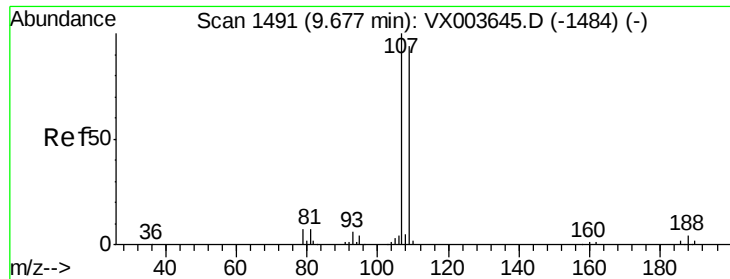
MMDadoda
8/2/2018 11:54:16 AM



#60
Dibromochloromethane
Concen: 0.872 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003642.D
Acq: 24 Jul 2018 16:15

Tgt Ion: 129 Resp: 1329
Ion Ratio Lower Upper
129 100
127 82.2 38.7 116.1





#61

1,2-Dibromoethane

Concen: 1.033 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003642.D

Acq: 24 Jul 2018 16:15

Instrument :

MSVOA_X

ClientSampled :

VSTDIC001

Tot Ion:107 Resp: 1659

Ion Ratio Lower Upper

107 100

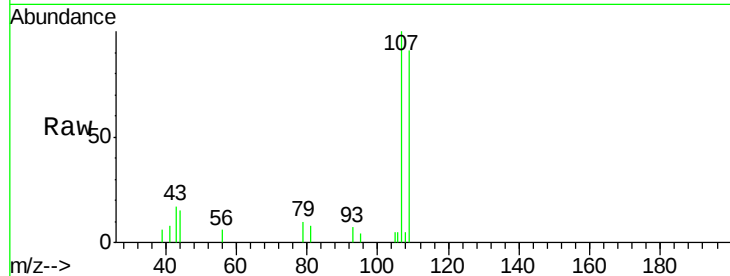
109 94.5 75.4 113.2

Manual Integrations

APPROVED

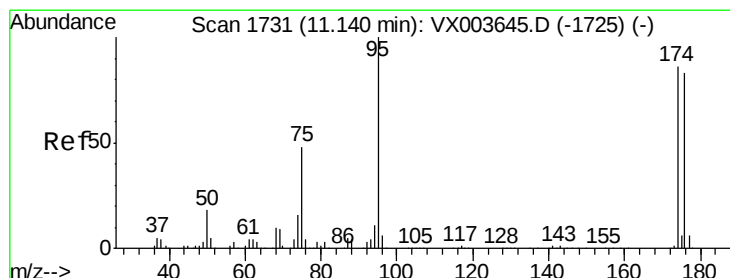
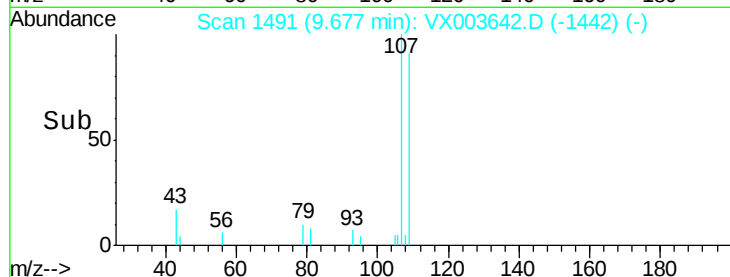
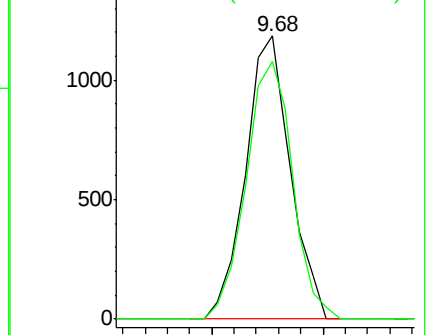
MMDadoda

8/2/2018 11:54:16 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 1.012 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003642.D

Acq: 24 Jul 2018 16:15

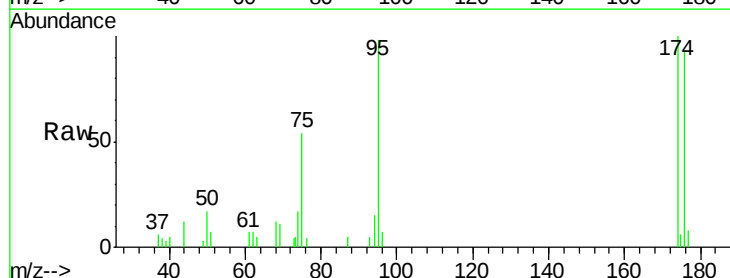
Tgt Ion: 95 Resp: 2014

Ion Ratio Lower Upper

95 100

174 97.7 0.0 179.0

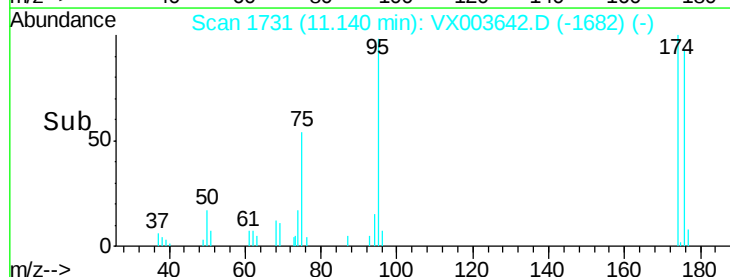
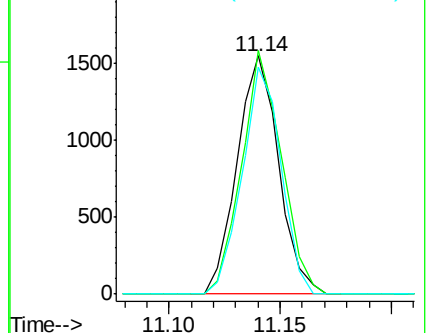
176 88.8 0.0 173.0

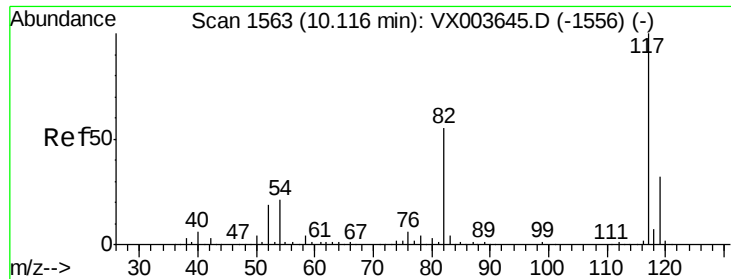


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





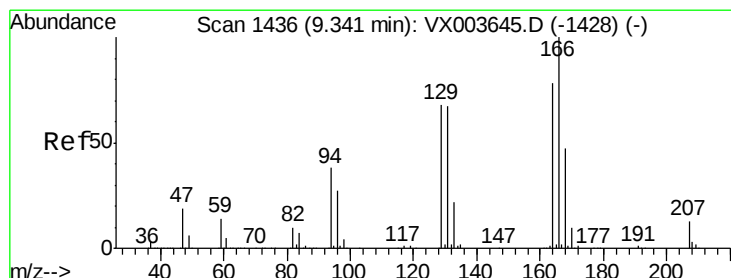
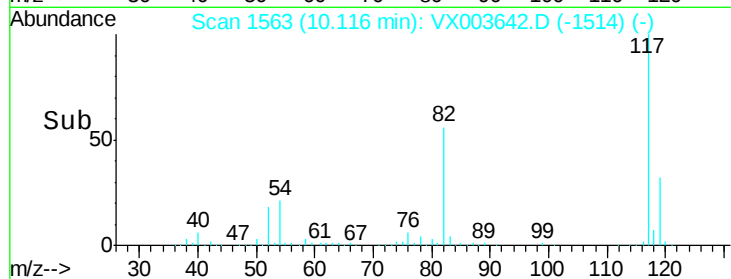
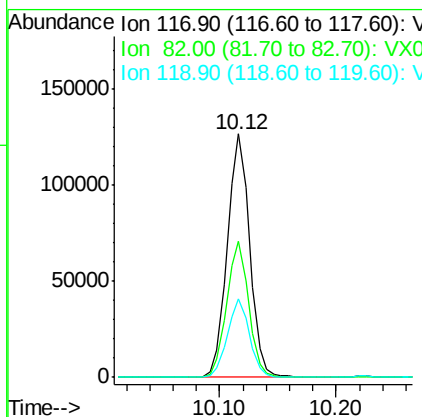
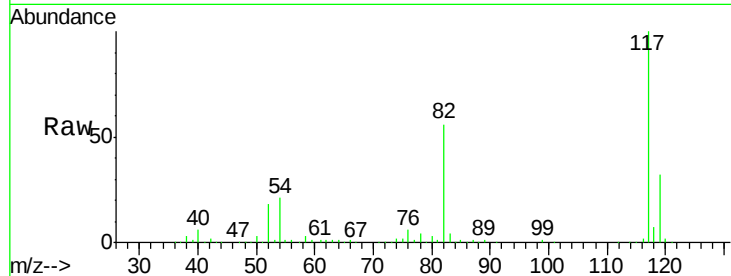
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003642.D
Acq: 24 Jul 2018 16:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.7	44.3	66.5
119	32.2	25.6	38.4

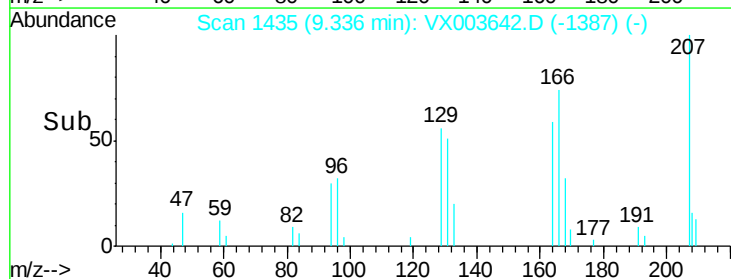
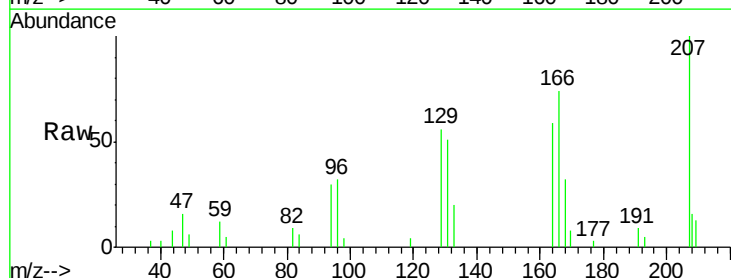
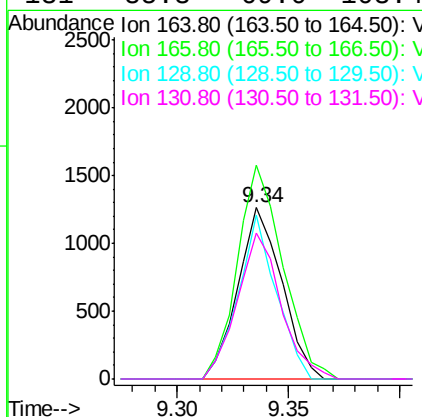
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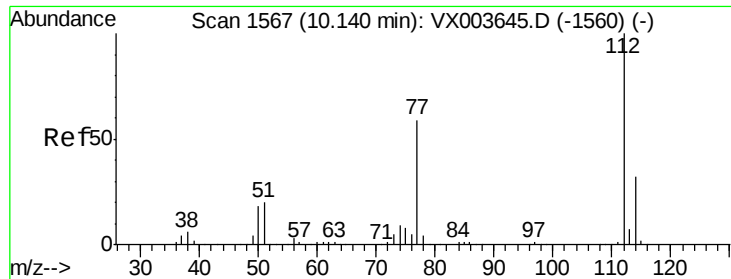
MMDadoda
8/2/2018 11:54:16 AM



#64
Tetrachloroethene
Concen: 0.875 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.01 min
Lab File: VX003642.D
Acq: 24 Jul 2018 16:15

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.6	102.4	153.6
129	95.3	69.6	104.4
131	85.3	69.0	103.4





#65

Chlorobenzene

Concen: 1.042 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX003642.D

Acq: 24 Jul 2018 16:15

Instrument :

MSVOA_X

ClientSampled :

VSTDIC001

Tot Ion:112 Resp: 4539

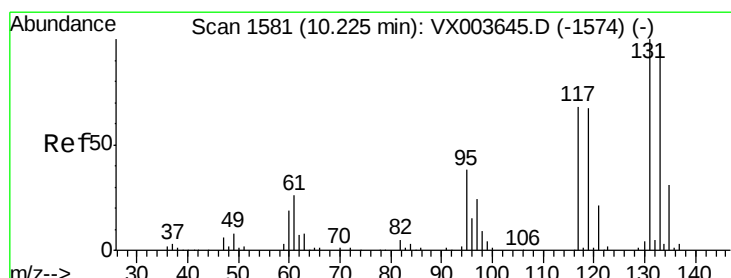
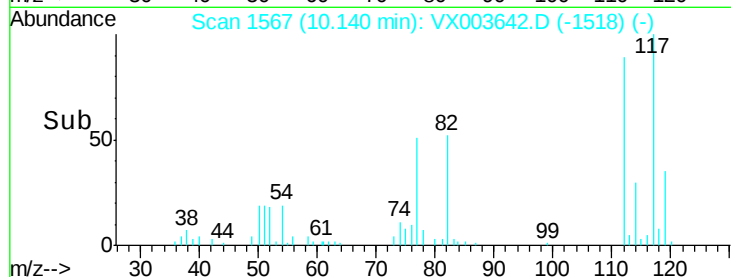
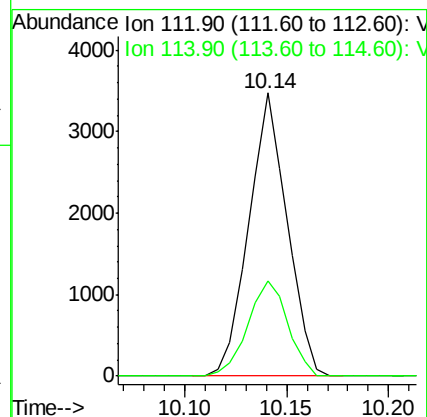
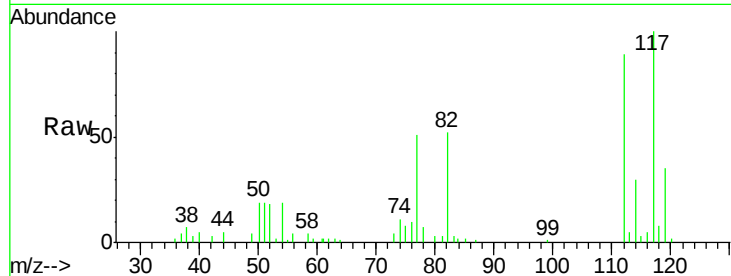
Ion Ratio Lower Upper

112 100

114 33.4 25.8 38.8

Manual Integrations
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MMDadoda
8/2/2018 11:54:16 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 1.017 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX003642.D

Acq: 24 Jul 2018 16:15

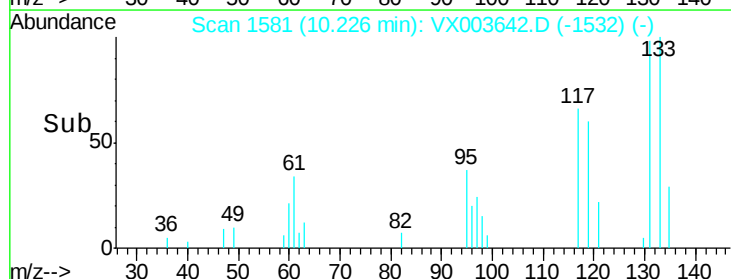
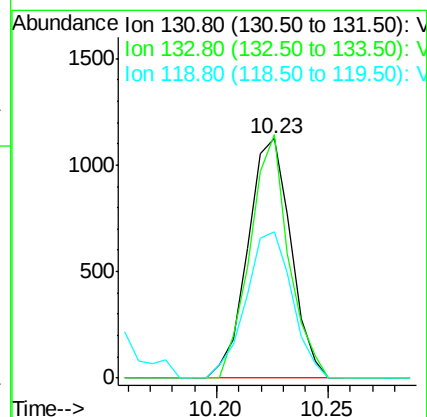
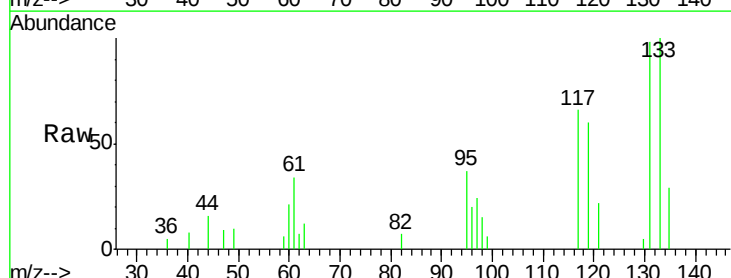
Tgt Ion:131 Resp: 1524

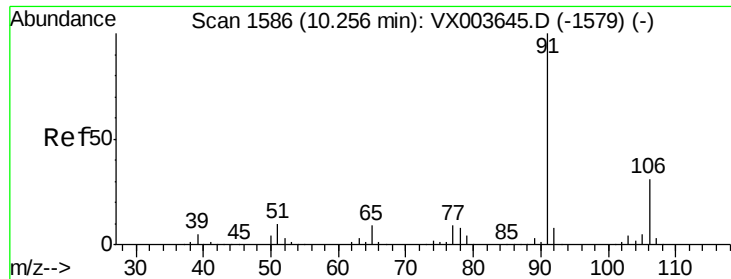
Ion Ratio Lower Upper

131 100

133 90.7 47.6 142.8

119 0.0 32.8 98.4#





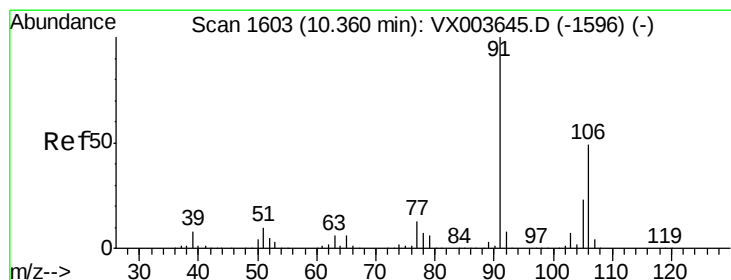
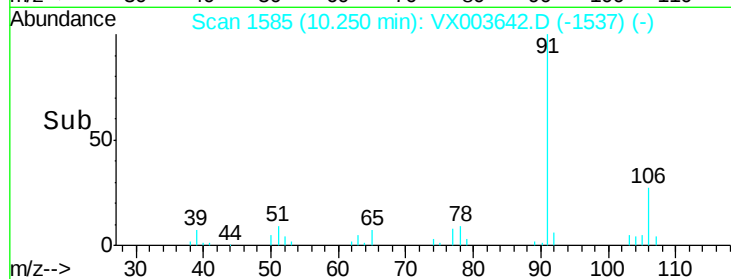
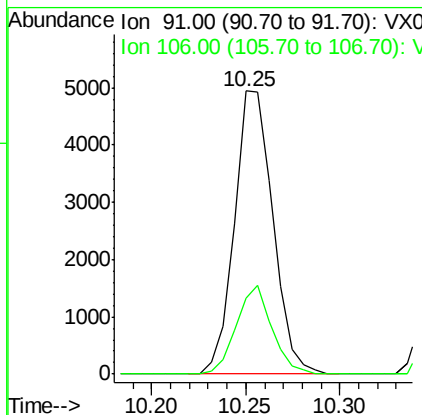
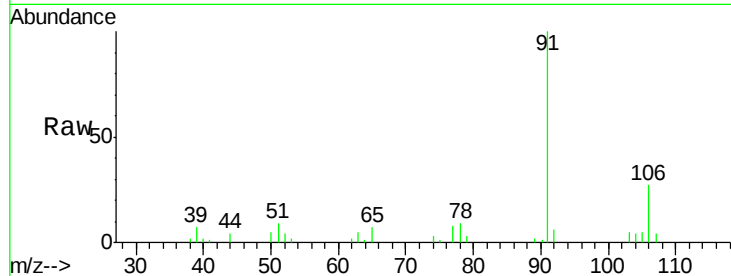
#67
Ethyl Benzene
Concen: 0.988 ug/l
RT: 10.25 min Scan# 1585
Delta R.T. -0.01 min
Lab File: VX003642.D
Acq: 24 Jul 2018 16:15

Instrument :
MSVOA_X
ClientSampled :
VSTDIC001

Tot Ion: 91 Resp: 6983
Ion Ratio Lower Upper
91 100
106 26.8 25.0 37.6

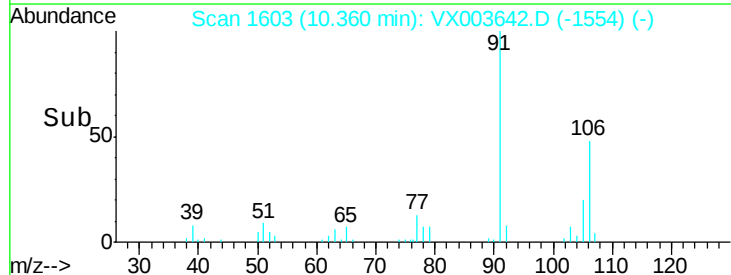
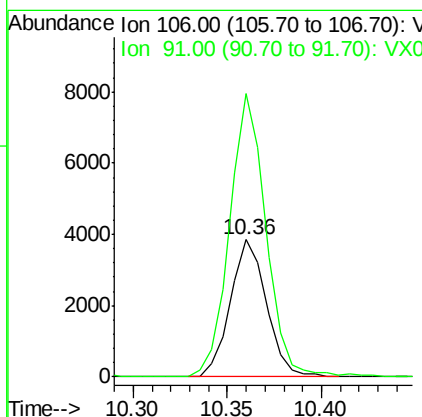
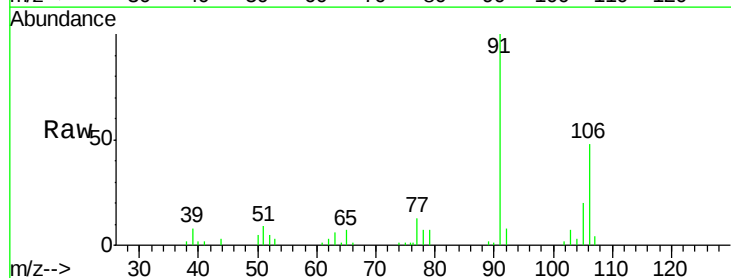
Manual Integrations
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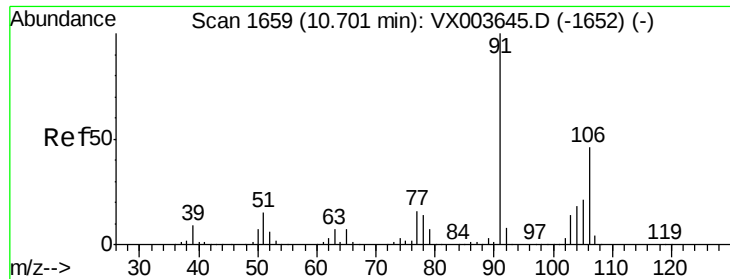
MMDadoda
8/2/2018 11:54:16 AM



#68
m/p-Xylenes
Concen: 1.854 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003642.D
Acq: 24 Jul 2018 16:15

Tgt Ion: 106 Resp: 5118
Ion Ratio Lower Upper
106 100
91 208.8 162.2 243.2





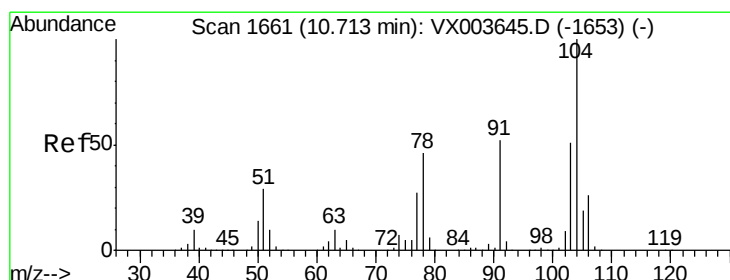
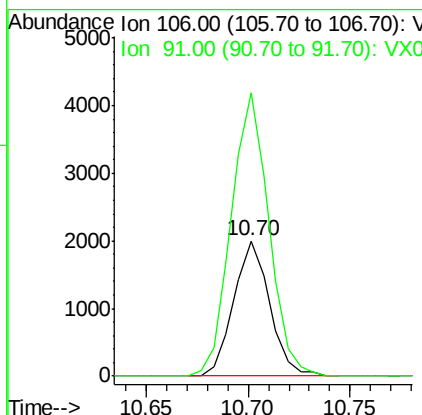
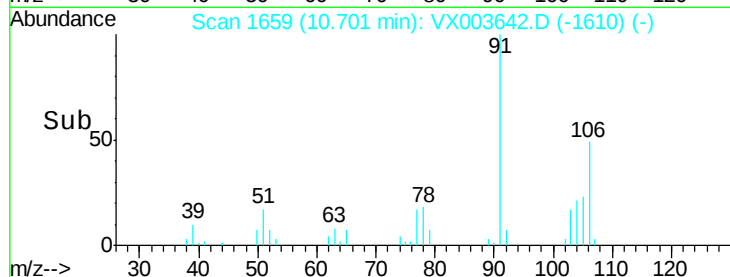
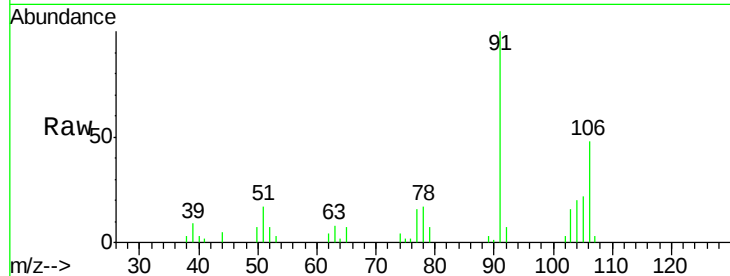
#69
o-Xylene
Concen: 0.920 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003642.D
Acq: 24 Jul 2018 16:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion:106 Resp: 2451
Ion Ratio Lower Upper
106 100
91 217.7 107.1 321.1

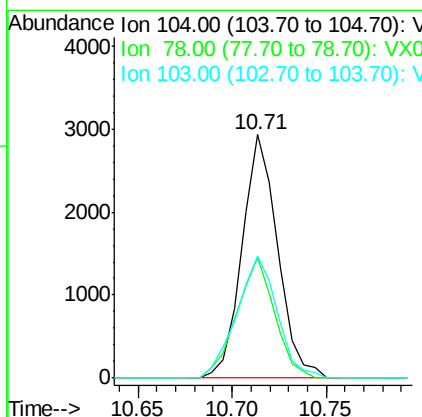
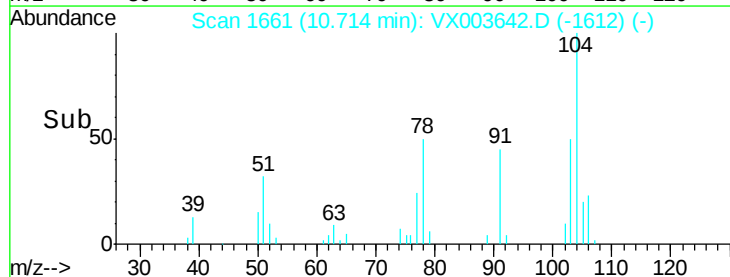
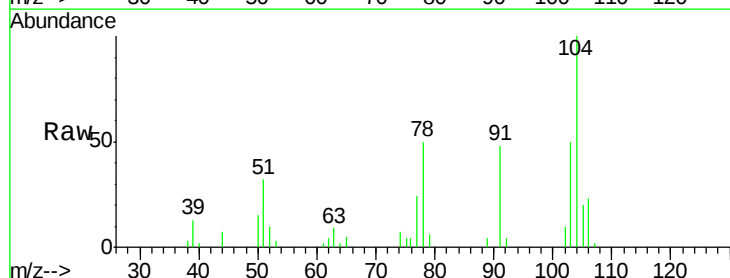
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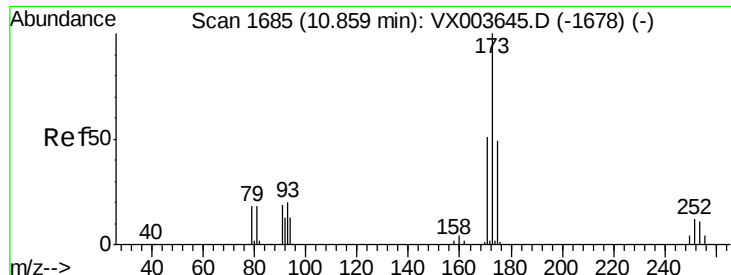
MMDadoda
8/2/2018 11:54:16 AM



#70
Styrene
Concen: 0.871 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003642.D
Acq: 24 Jul 2018 16:15

Tgt Ion:104 Resp: 3831
Ion Ratio Lower Upper
104 100
78 52.8 39.2 58.8
103 57.2 44.2 66.4





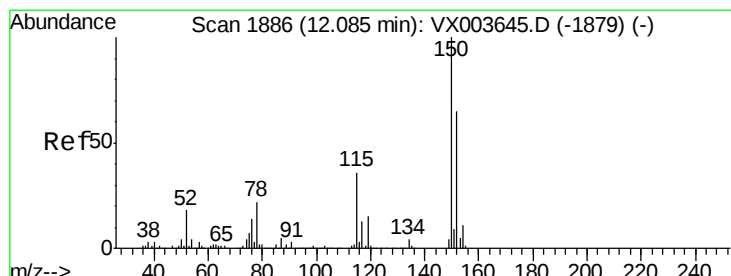
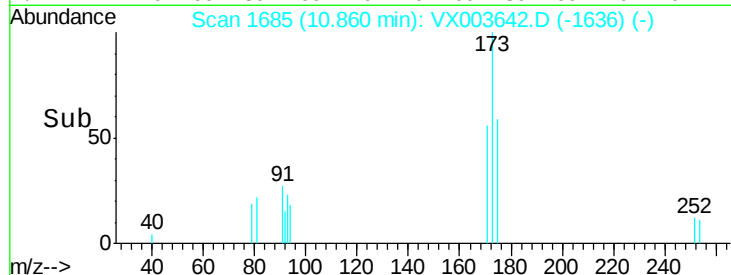
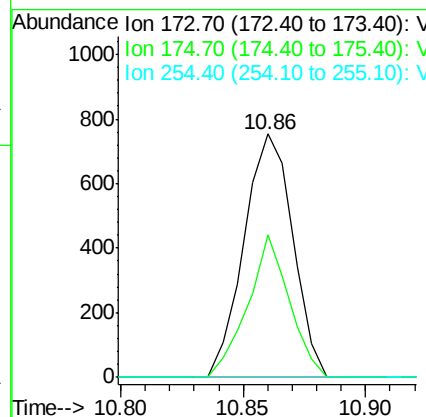
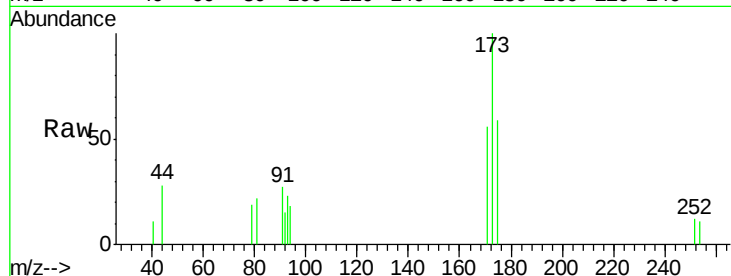
#71
Bromoform
Concen: 0.898 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX003642.D
Acq: 24 Jul 2018 16:15

Instrument :
MSVOA_X
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.0	24.1	72.2
254	0.0	0.0	0.0

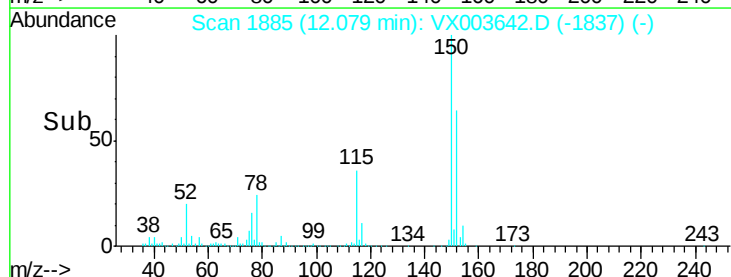
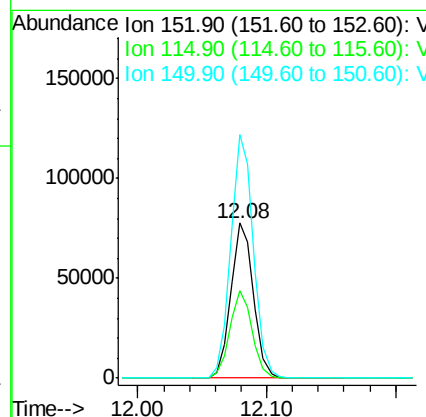
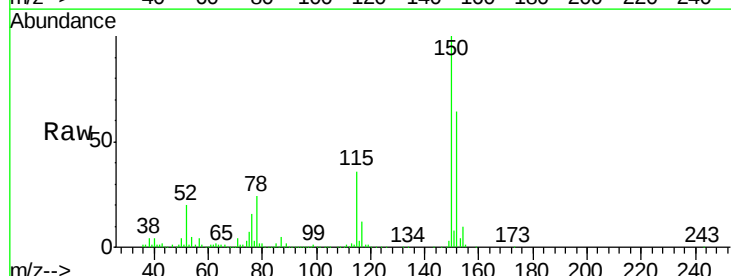
Manual Integrations
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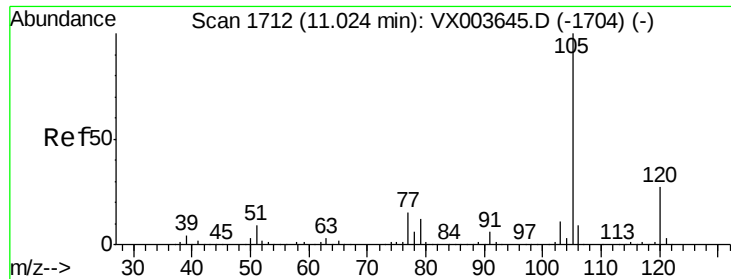
MMDadoda
8/2/2018 11:54:16 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX003642.D
Acq: 24 Jul 2018 16:15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.2	40.0	119.9
150	157.6	0.0	348.4





#73

Isopropylbenzene

Concen: 0.955 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.01 min

Lab File: VX003642.D

Acq: 24 Jul 2018 16:15

Instrument :

MSVOA_X

ClientSampled :

VSTDIC001

Tot Ion:105 Resp: 6332

Ion Ratio Lower Upper

105 100

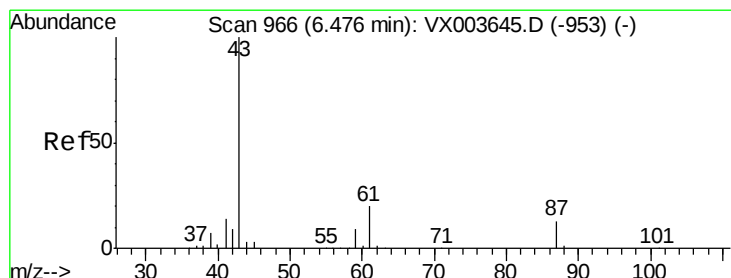
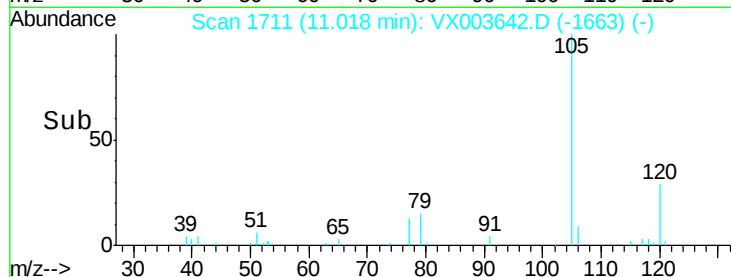
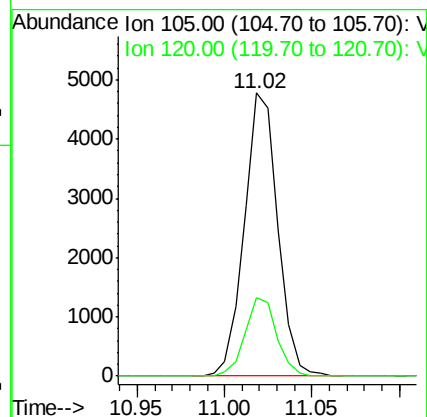
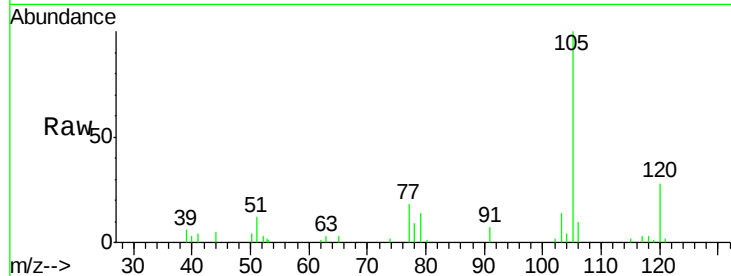
120 26.2 13.5 40.5

Manual Integrations

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#74

N-ethyl acetate

Concen: 1.273 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX003642.D

Acq: 24 Jul 2018 16:15

Tgt Ion: 43 Resp: 3723

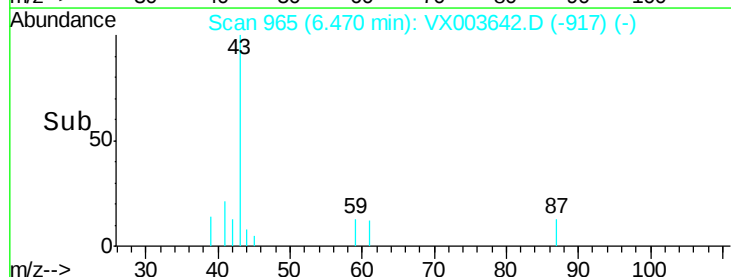
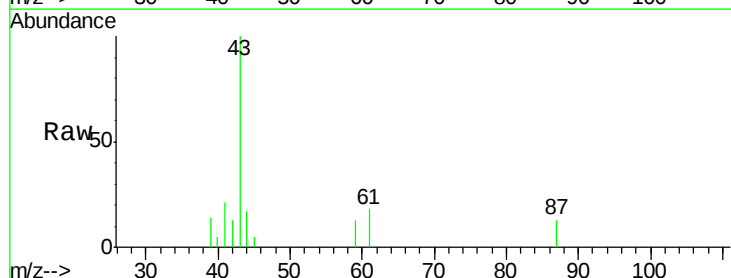
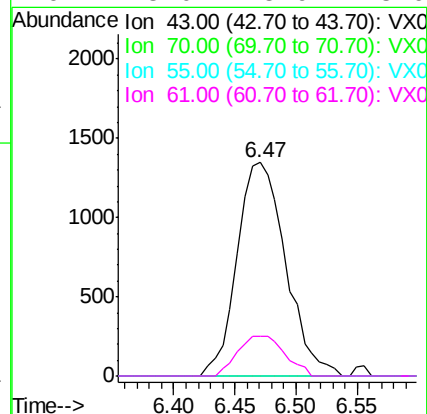
Ion Ratio Lower Upper

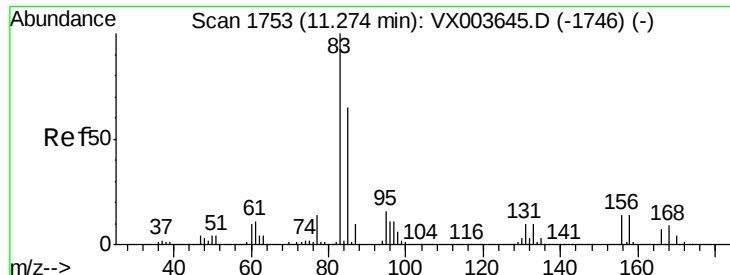
43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 18.0 15.9 23.9





#75

1,1,2,2-Tetrachloroethane

Concen: 1.306 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX003642.D

Acq: 24 Jul 2018 16:15

Instrument :

MSVOA_X

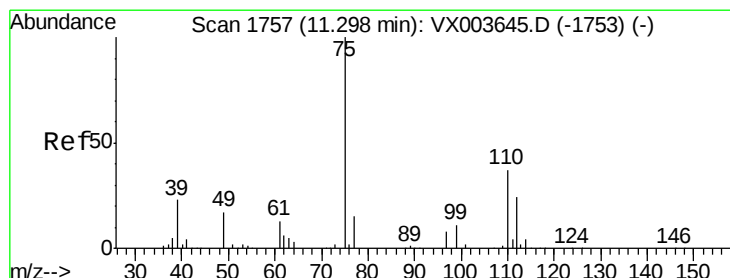
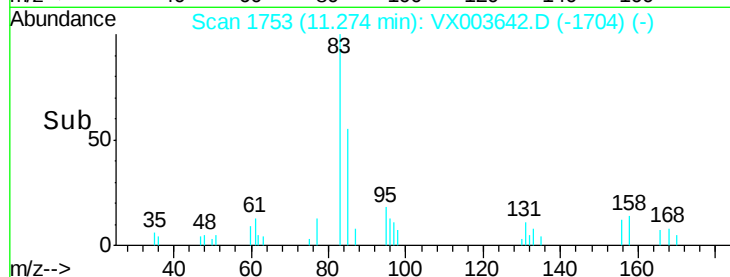
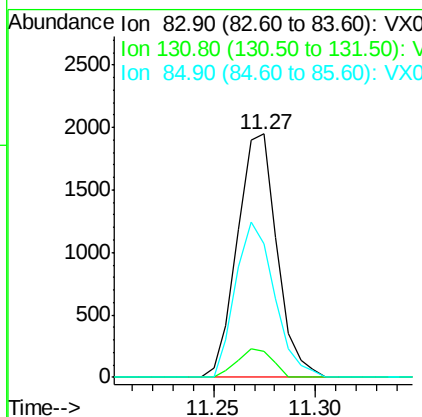
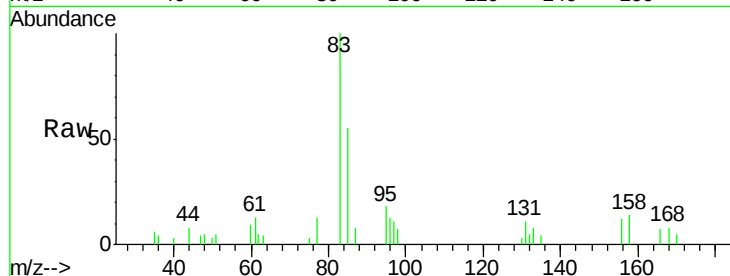
ClientSampled :

VSTDIC001

Tot Ion:	83	Resp:	2630
Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.1	15.4
85	62.7	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 1.206 ug/l m

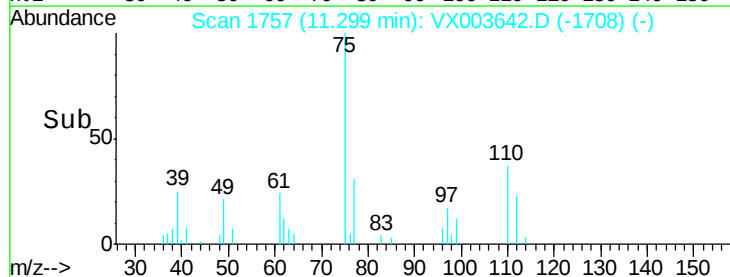
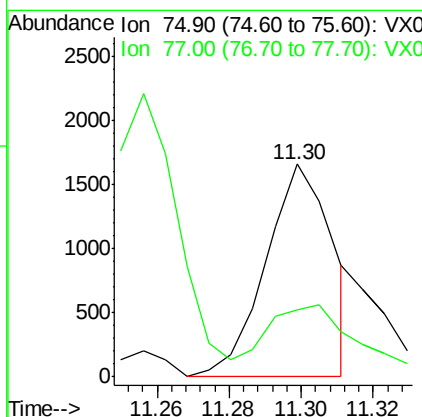
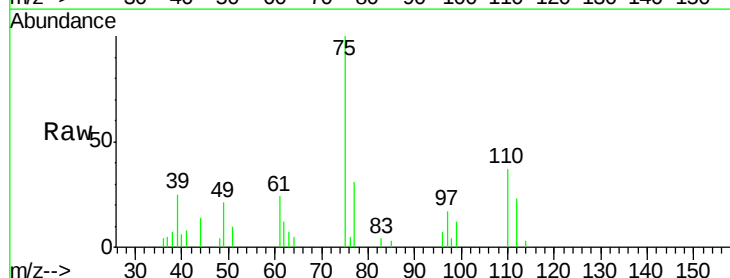
RT: 11.30 min Scan# 1757

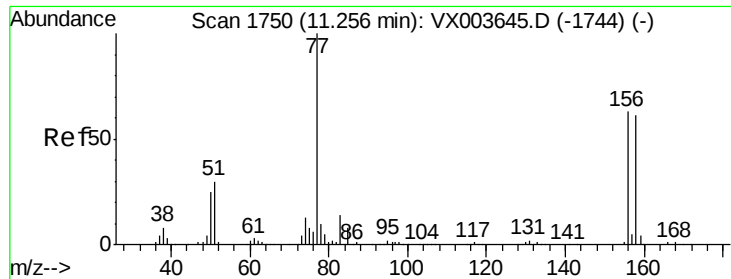
Delta R.T. 0.00 min

Lab File: VX003642.D

Acq: 24 Jul 2018 16:15

Tgt Ion:	75	Resp:	2131
Ion	Ratio	Lower	Upper
75	100		
77	45.6	21.6	64.6





#77

Bromobenzene

Concen: 1.011 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003642.D

Acq: 24 Jul 2018 16:15

Instrument :

MSVOA_X

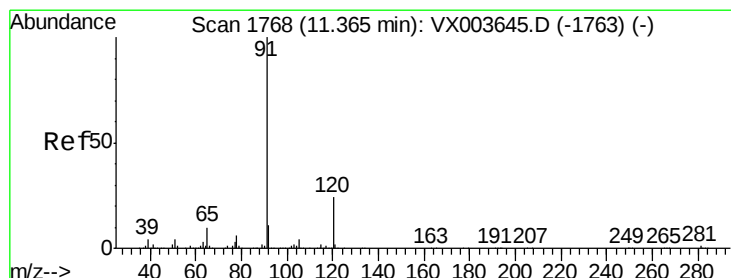
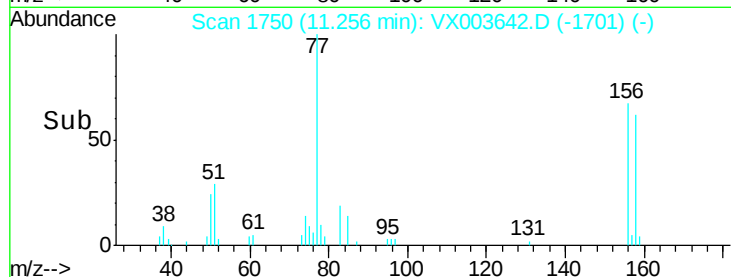
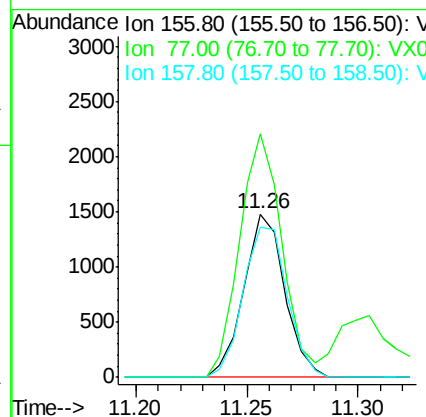
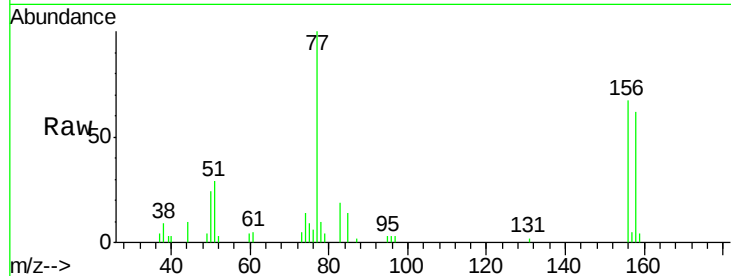
ClientSampled :

VSTDIC001

Tot Ion:	156	Resp:	1910
Ion	Ratio	Lower	Upper
156	100		
77	153.1	74.9	224.6
158	99.2	48.4	145.2

Manual Integrations
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#78

n-propylbenzene

Concen: 0.968 ug/l

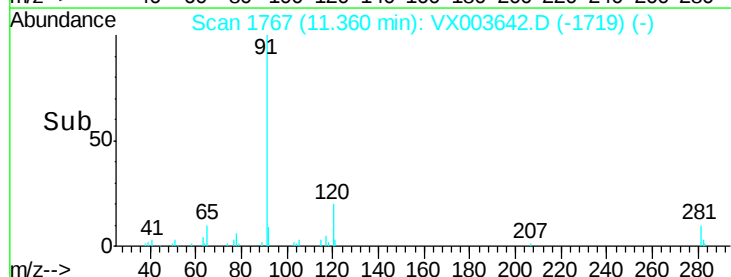
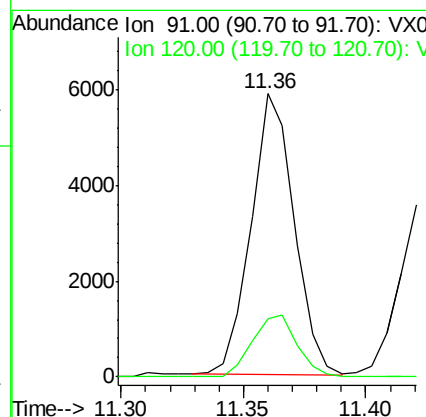
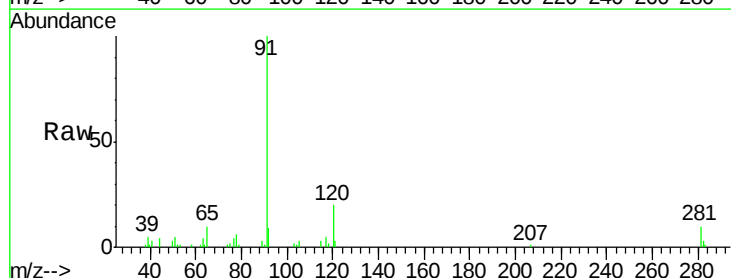
RT: 11.36 min Scan# 1767

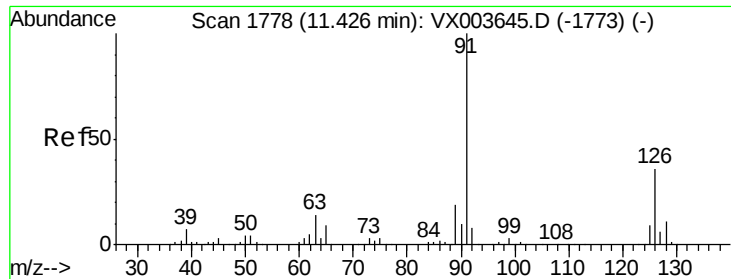
Delta R.T. -0.01 min

Lab File: VX003642.D

Acq: 24 Jul 2018 16:15

Tgt Ion:	91	Resp:	7195
Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.8	35.3





#79

2-Chlorotoluene

Concen: 1.053 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.01 min

Lab File: VX003642.D

Acq: 24 Jul 2018 16:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 4746

Ion Ratio Lower Upper

91 100

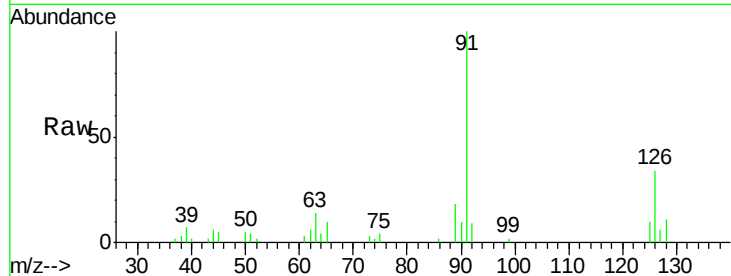
126 33.0 17.3 52.0

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX003645.D (-1773) (-)

Ion 125.90 (125.60 to 126.60): VX003645.D (-1773) (-)

6000

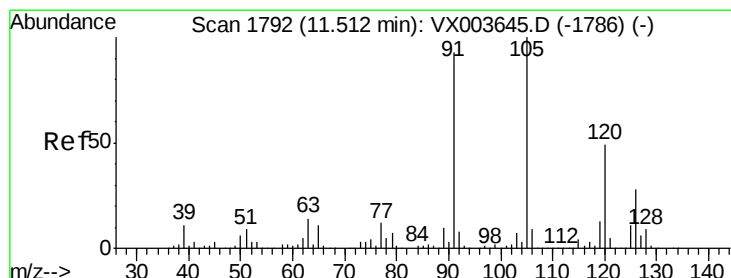
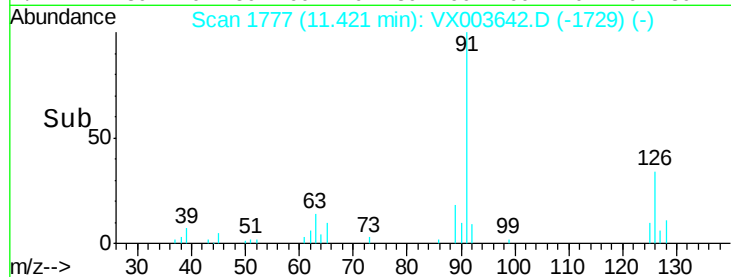
4000

2000

0

11.40 11.42 11.44 11.46

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.916 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX003642.D

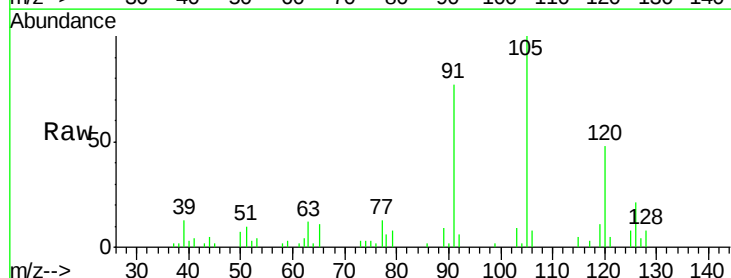
Acq: 24 Jul 2018 16:15

Tgt Ion: 105 Resp: 5024

Ion Ratio Lower Upper

105 100

120 47.9 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): VX003645.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX003645.D (-1786) (-)

4000

3000

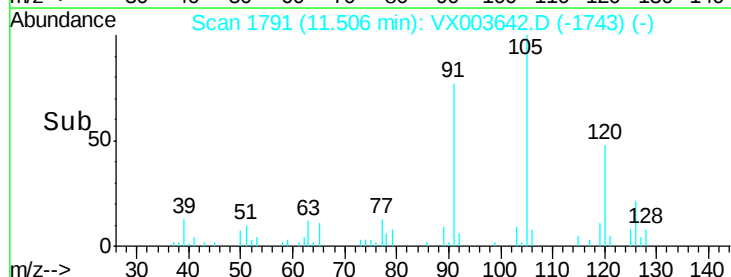
2000

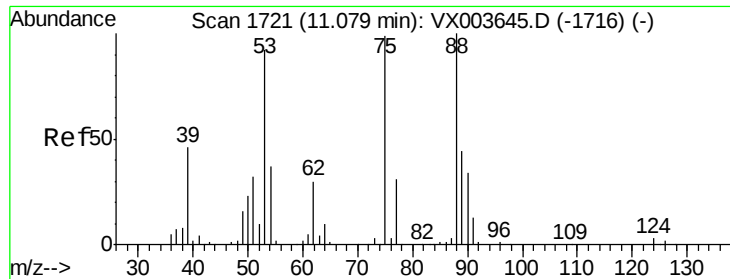
1000

0

11.45 11.50 11.55

Time-->





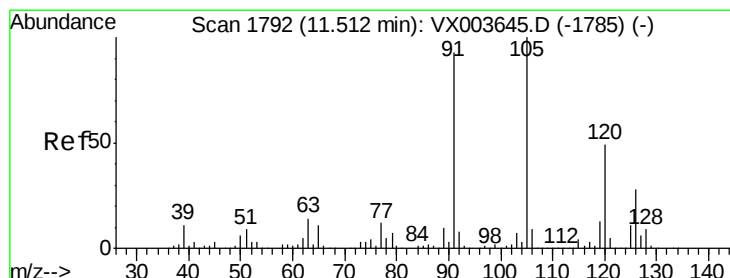
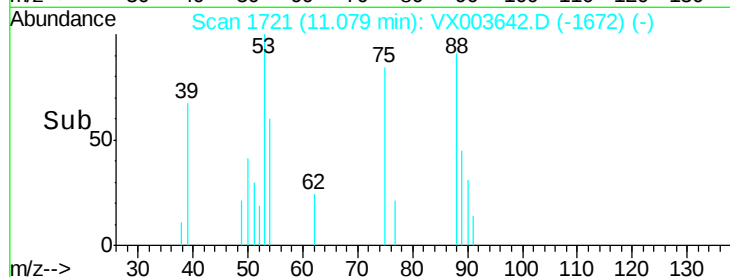
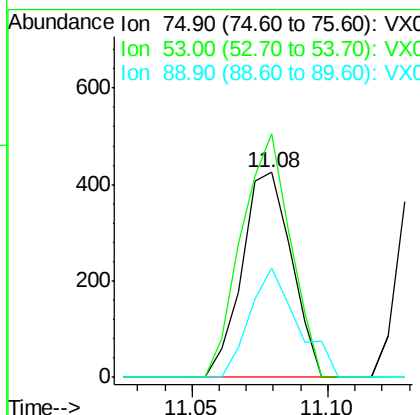
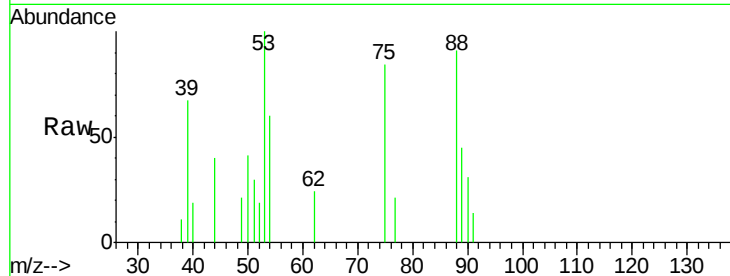
#81
trans-1,4-Dichloro-2-butene
Concen: 0.960 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX003642.D
Acq: 24 Jul 2018 16:15

Instrument :
MSVOA_X
ClientSampled :
VSTDIC001

Tot Ion: 75 Resp: 535
Ion Ratio Lower Upper
75 100
53 117.6 77.8 116.8#
89 51.4 36.6 54.8

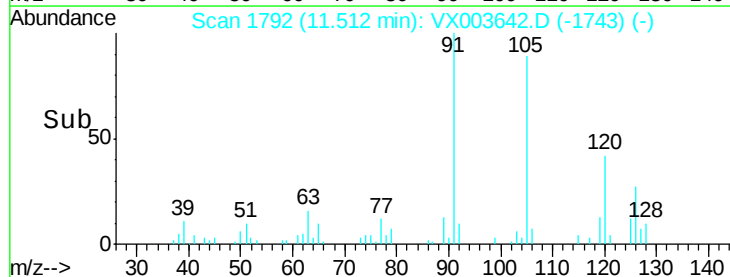
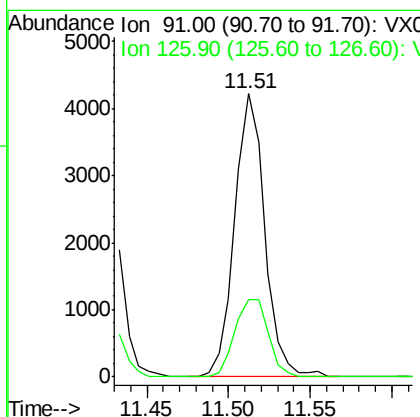
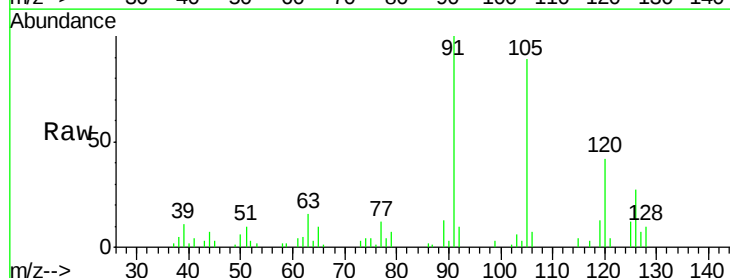
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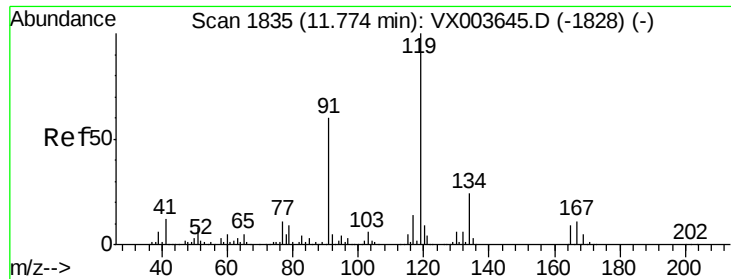
MMDadoda
8/2/2018 11:54:16 AM



#82
4-Chlorotoluene
Concen: 1.026 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX003642.D
Acq: 24 Jul 2018 16:15

Tgt Ion: 91 Resp: 5429
Ion Ratio Lower Upper
91 100
126 30.2 15.4 46.1





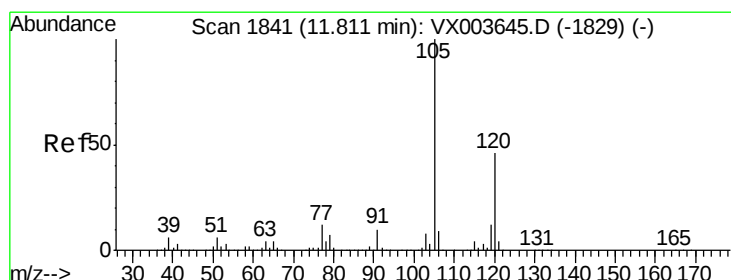
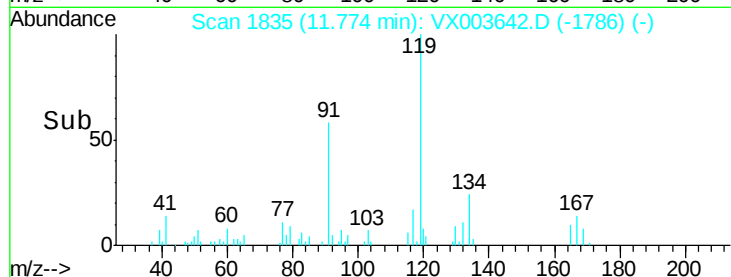
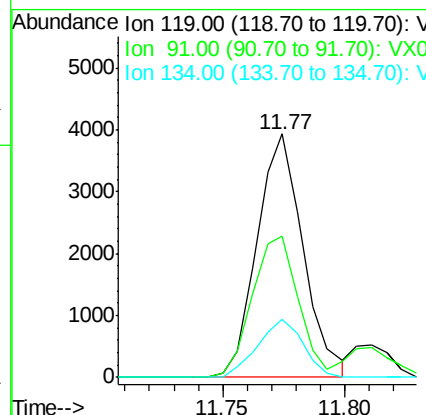
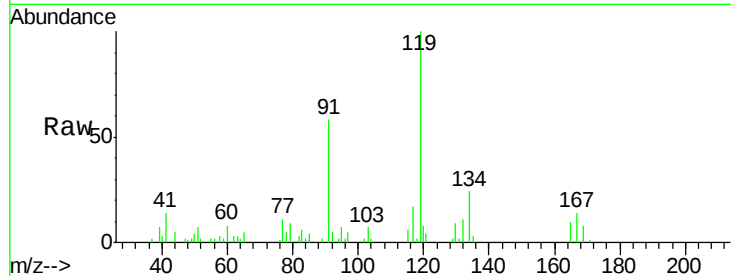
#83
tert-Butylbenzene
Concen: 0.959 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX003642.D
Acq: 24 Jul 2018 16:15

Instrument :
MSVOA_X
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
119	100		
91	58.1	28.4	85.2
134	23.4	11.6	34.8

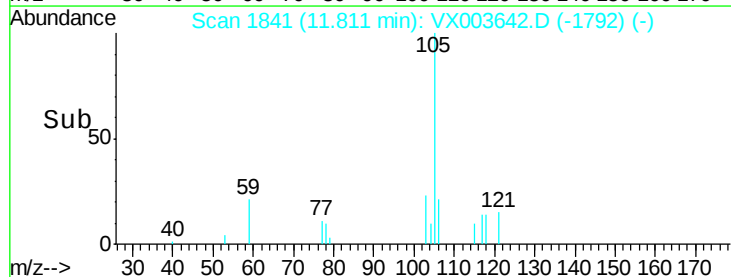
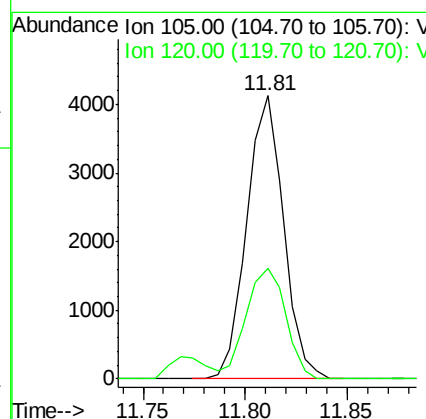
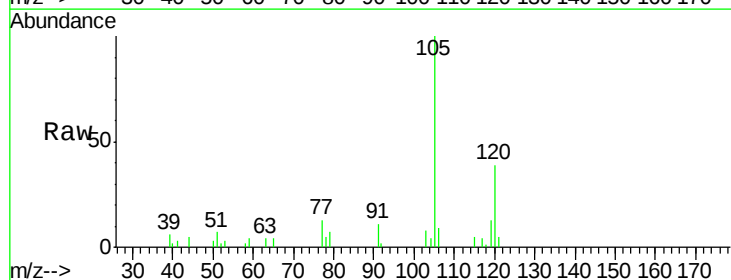
Manual Integrations
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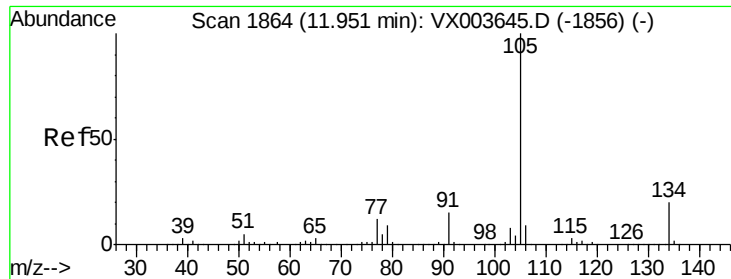
MMDadoda
8/2/2018 11:54:16 AM



#84
1,2,4-Trimethylbenzene
Concen: 0.926 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX003642.D
Acq: 24 Jul 2018 16:15

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.1	22.6	67.8





#85

sec-Butylbenzene

Concen: 0.918 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003642.D

Acq: 24 Jul 2018 16:15

Instrument :

MSVOA_X

ClientSampled :

VSTDIC001

Tot Ion:105 Resp: 5971

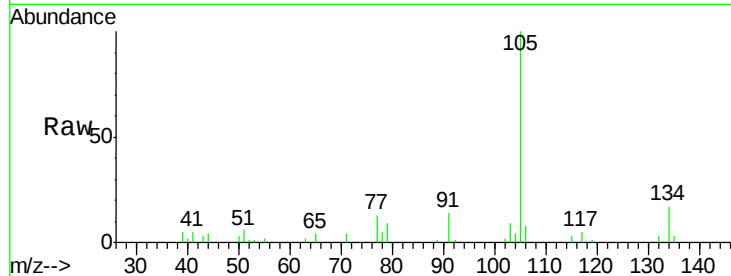
Ion Ratio Lower Upper

105 100

134 18.9 10.1 30.1

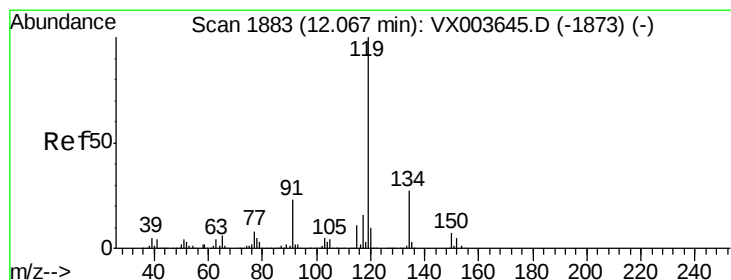
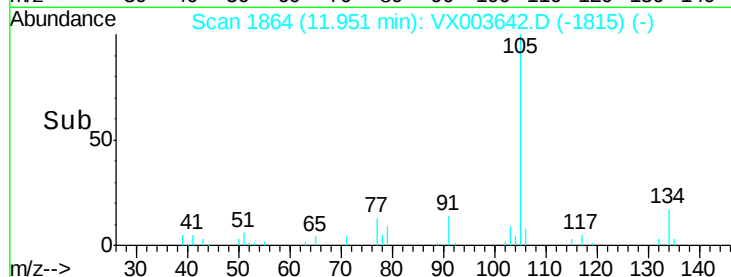
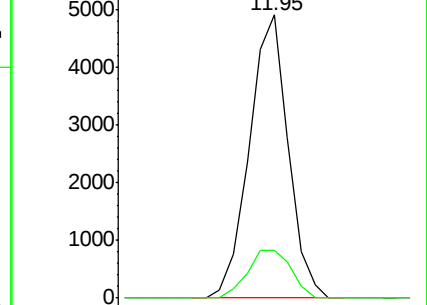
Manual Integrations
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MMDadoda
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.948 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003642.D

Acq: 24 Jul 2018 16:15

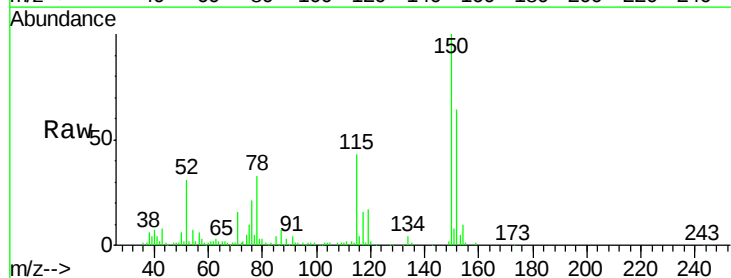
Tgt Ion:119 Resp: 5527

Ion Ratio Lower Upper

119 100

134 28.0 13.3 39.9

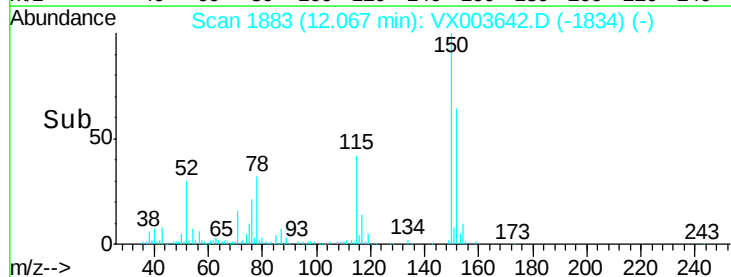
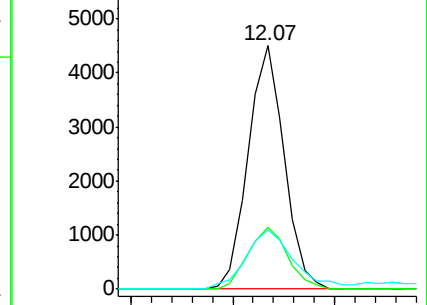
91 32.7 11.5 34.5

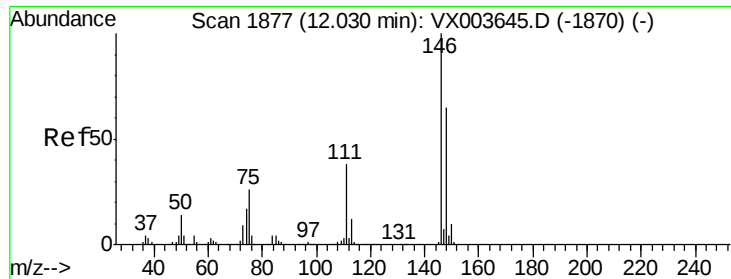


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





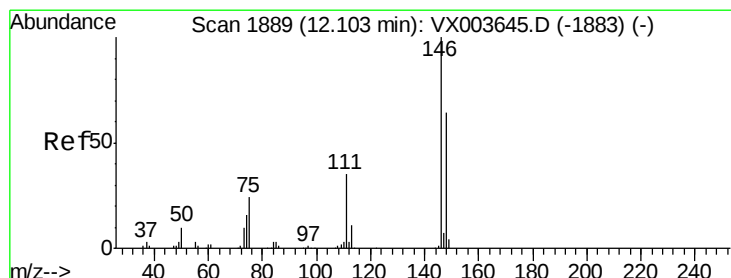
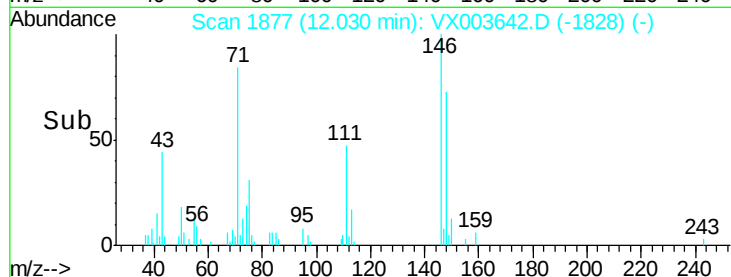
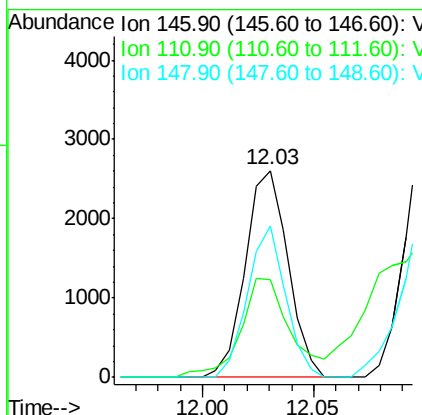
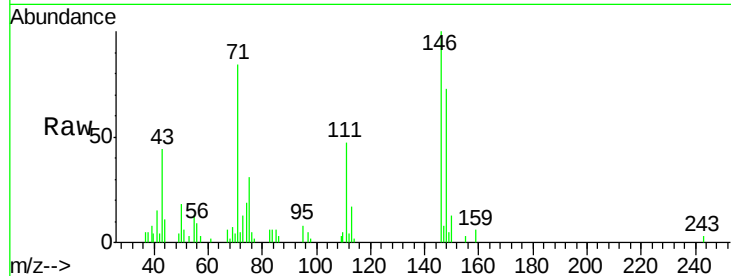
#87
 1,3-Dichlorobenzene
 Concen: 0.997 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003642.D
 Acq: 24 Jul 2018 16:15

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	56.5	19.4	58.2
148	65.5	32.4	97.0

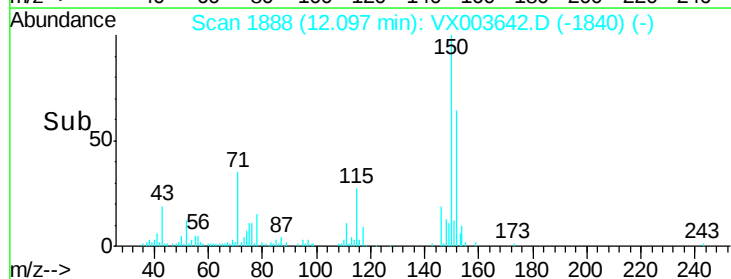
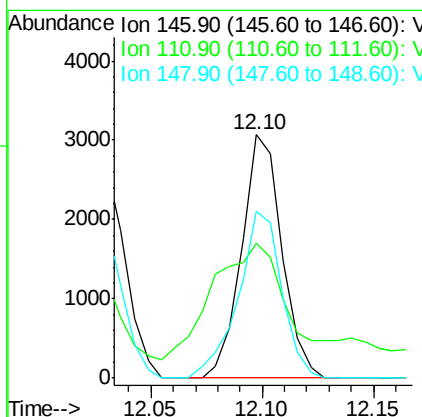
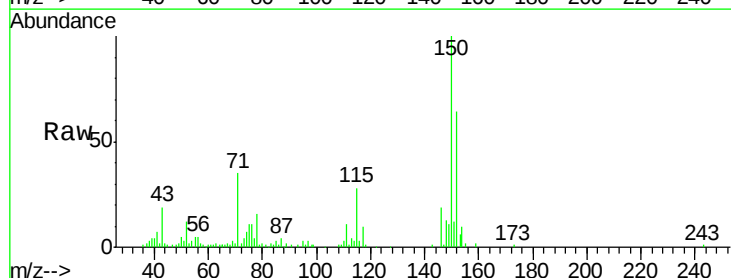
Manual Integrations
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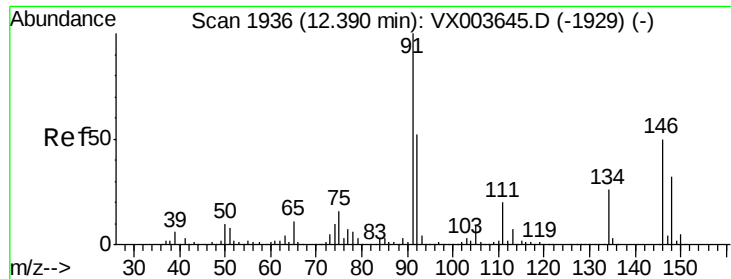
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#88
 1,4-Dichlorobenzene
 Concen: 1.072 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.01 min
 Lab File: VX003642.D
 Acq: 24 Jul 2018 16:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	87.5	18.6	55.6#
148	74.1	32.0	96.2





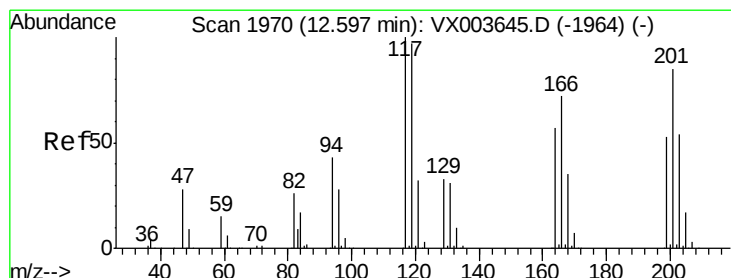
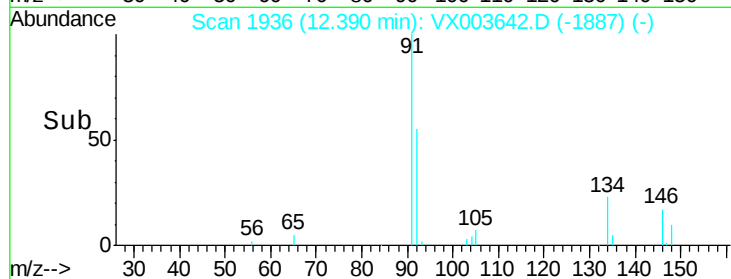
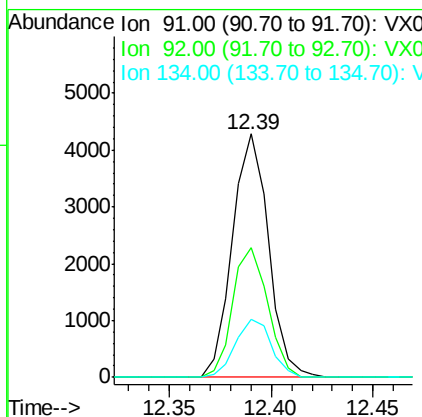
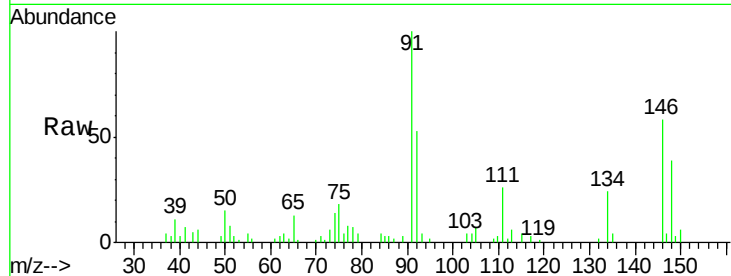
#89
n-Butylbenzene
Concen: 1.050 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003642.D
Acq: 24 Jul 2018 16:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	26.3	78.9
134	23.9	13.3	39.8

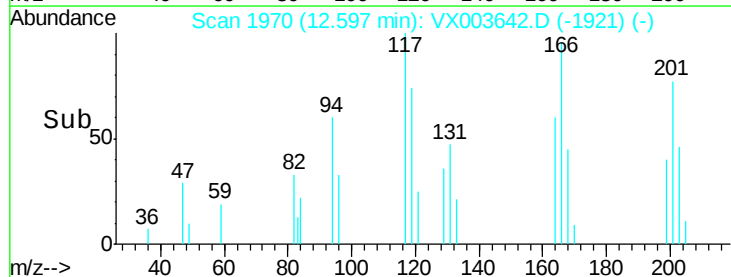
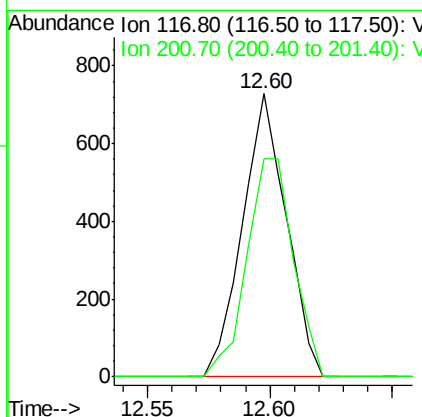
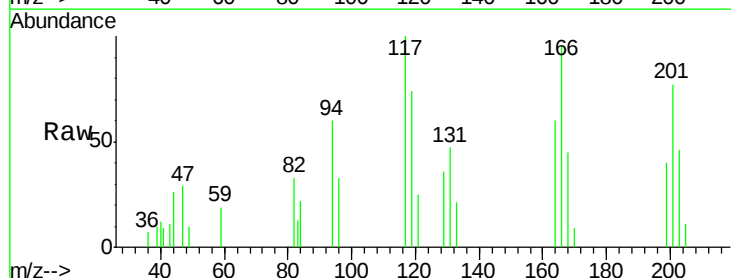
Manual Integrations
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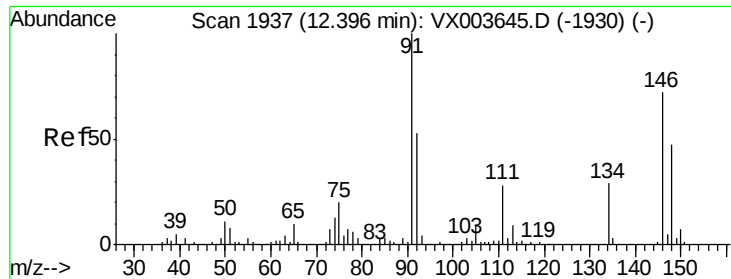
MMDadoda
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#90
Hexachloroethane
Concen: 1.083 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003642.D
Acq: 24 Jul 2018 16:15

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.1	46.2	138.5





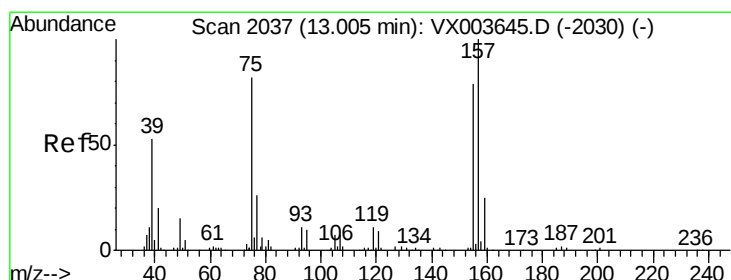
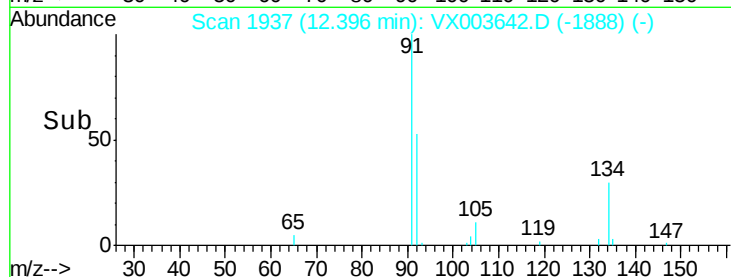
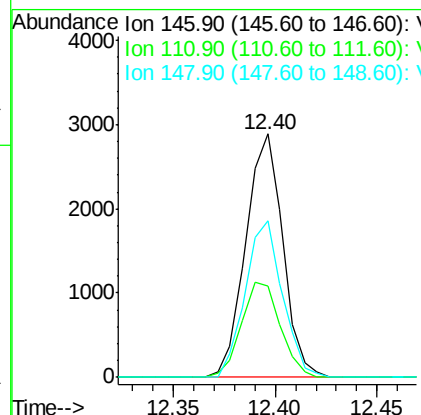
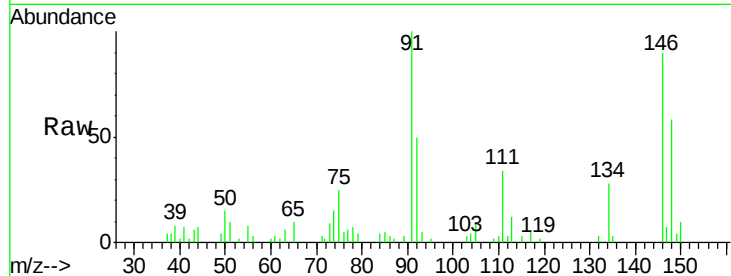
#91
 1,2-Dichlorobenzene
 Concen: 1.057 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX003642.D
 Acq: 24 Jul 2018 16:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	19.8	59.4
148	64.8	32.2	96.6

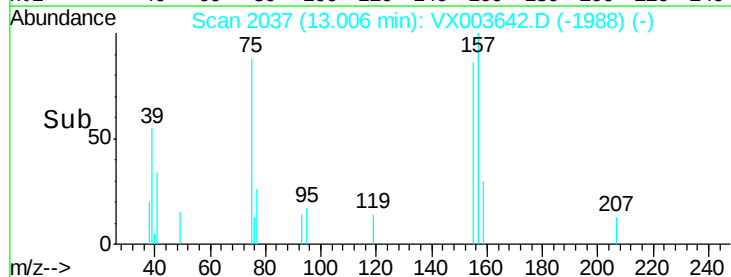
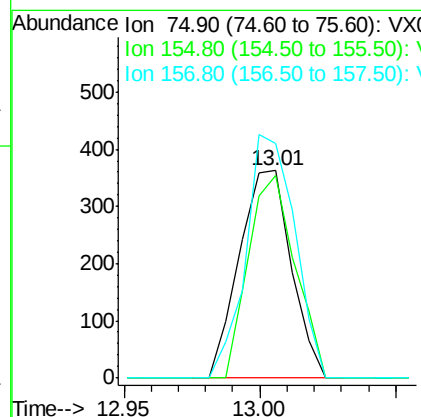
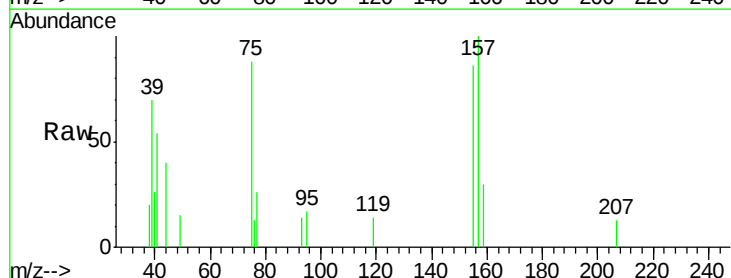
Manual Integrations
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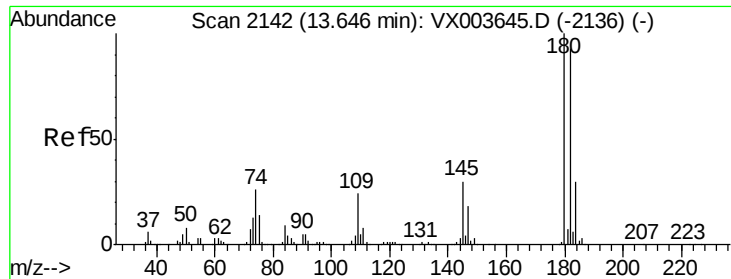
MMDadoda
 8/2/2018 11:54:16 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.204 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX003642.D
 Acq: 24 Jul 2018 16:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.7	46.1	138.3
157	110.4	59.7	179.0





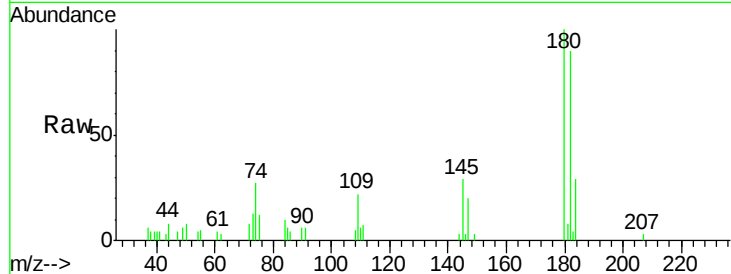
#93
 1,2,4-Trichlorobenzene
 Concen: 1.009 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VX003642.D
 Acq: 24 Jul 2018 16:15

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC001

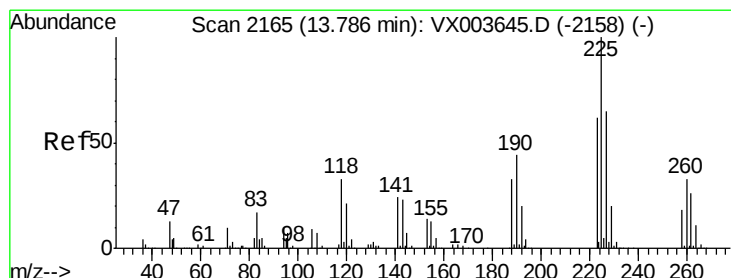
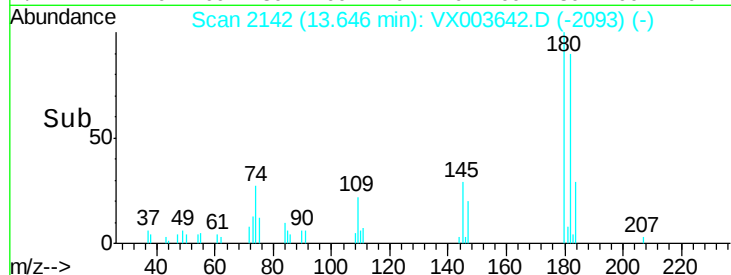
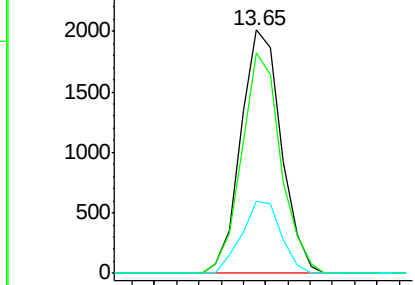
Tot Ion	Ratio	Lower	Upper
180	100		
182	88.1	47.9	143.8
145	29.0	14.4	43.2

Manual Integrations
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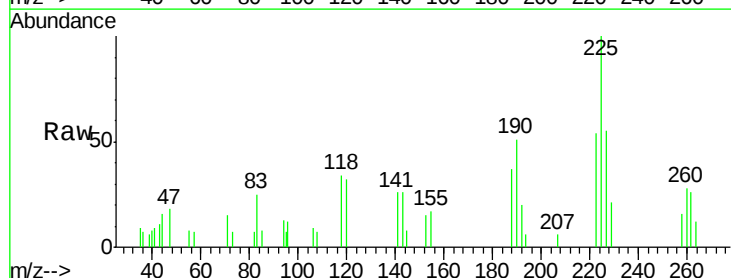


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

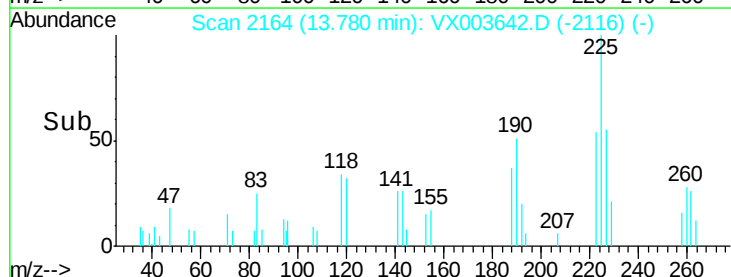
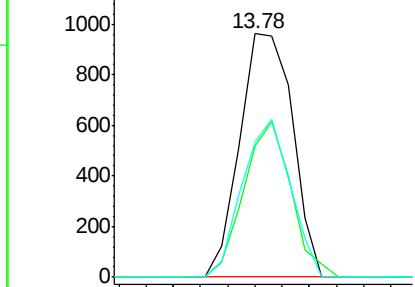


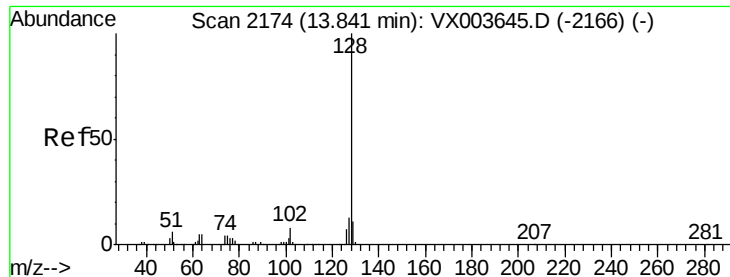
#94
 Hexachlorobutadiene
 Concen: 1.080 ug/l
 RT: 13.78 min Scan# 2164
 Delta R.T. -0.01 min
 Lab File: VX003642.D
 Acq: 24 Jul 2018 16:15

Tgt Ion	Ratio	Lower	Upper
225	100		
223	57.1	30.9	92.5
227	58.7	31.9	95.7



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





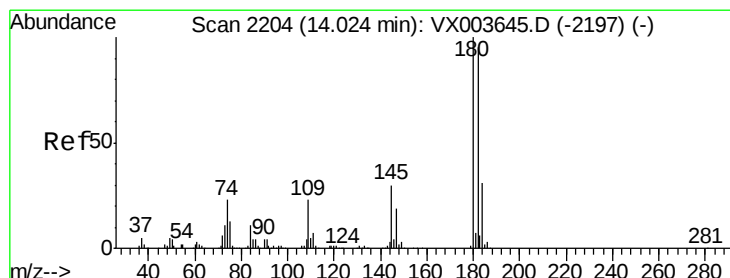
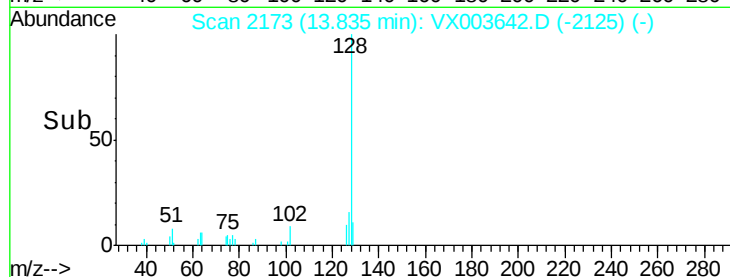
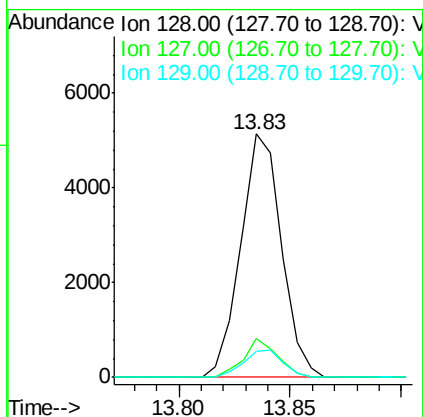
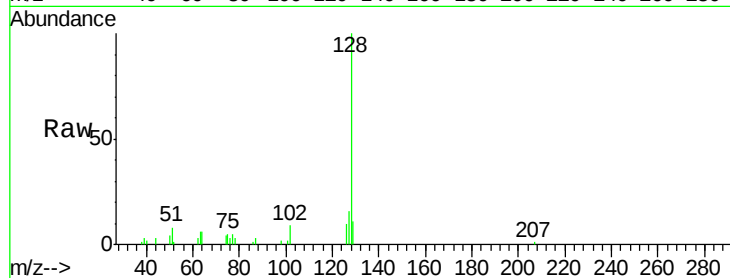
#95
Naphthalene
Concen: 0.967 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. -0.01 min
Lab File: VX003642.D
Acq: 24 Jul 2018 16:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	10.7	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 0.980 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX003642.D
Acq: 24 Jul 2018 16:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.6	142.8
145	30.1	15.0	45.1

