

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101818\
 Data File : VX005428.D
 Acq On : 18 Oct 2018 14:23
 Operator : JC/MD
 Sample : VX1018WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1018WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/19/2018 1:51:31 PM

Quant Time: Oct 19 04:38:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	301136	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.86	114	433166	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	395801	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	214891	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	166343	49.77	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	99.54%	
35) Dibromofluoromethane	5.50	113	139300	48.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.10%	
50) Toluene-d8	8.71	98	513765	52.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.32%	
62) 4-Bromofluorobenzene	11.14	95	188919	51.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	43611	18.522	ug/l	96
3) Chloromethane	1.32	50	60522	17.740	ug/l	99
4) Vinyl Chloride	1.40	62	64005	18.520	ug/l	99
5) Bromomethane	1.64	94	36972	19.304	ug/l	98
6) Chloroethane	1.72	64	40967	19.089	ug/l	95
7) Trichlorofluoromethane	1.93	101	88295	19.145	ug/l	97
8) Diethyl Ether	2.18	74	42587	21.624	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	52827	19.845	ug/l	97
10) Methyl Iodide	2.51	142	57122	21.085	ug/l	100
11) Tert butyl alcohol	3.07	59	93463	99.137	ug/l	100
12) 1,1-Dichloroethene	2.37	96	51301	19.451	ug/l	98
13) Acrolein	2.29	56	38996	63.204	ug/l	97
14) Allyl chloride	2.73	41	113721	19.639	ug/l	94
15) Acrylonitrile	3.15	53	209465	98.047	ug/l	96
16) Acetone	2.45	43	189159	97.889	ug/l	98
17) Carbon Disulfide	2.57	76	139622	17.475	ug/l	99
18) Methyl Acetate	2.78	43	117581	21.388	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	199672	21.496	ug/l	96
20) Methylene Chloride	2.85	84	61825	21.204	ug/l	92
21) trans-1,2-Dichloroethene	3.16	96	55443	18.969	ug/l	89
22) Diisopropyl ether	3.87	45	204822	21.059	ug/l	92
23) Vinyl Acetate	3.82	43	867350	102.031	ug/l	97
24) 1,1-Dichloroethane	3.70	63	115377	20.699	ug/l	97
25) 2-Butanone	4.70	43	282295	99.846	ug/l	94
26) 2,2-Dichloropropane	4.59	77	80071	19.207	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	64319	20.248	ug/l	99
28) Bromochloromethane	5.03	49	54701	21.527	ug/l	93
29) Tetrahydrofuran	5.15	42	185341	102.769	ug/l	95
30) Chloroform	5.21	83	102602	19.831	ug/l	99
31) Cyclohexane	5.57	56	91984	20.022	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	88660	19.694	ug/l	99
36) 1,1-Dichloropropene	5.80	75	75601	18.021	ug/l	99
37) Ethyl Acetate	4.85	43	101169	18.752	ug/l	99
38) Carbon Tetrachloride	5.78	117	75928	18.013	ug/l	92

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	86732	19.102	ug/l #	88
40) Benzene	6.15	78	238362	18.941	ug/l	99
41) Methacrylonitrile	5.06	41	57091	19.739	ug/l	99
42) 1,2-Dichloroethane	6.20	62	81168	18.266	ug/l	98
43) Isopropyl Acetate	6.46	43	147166	20.477	ug/l	98
44) Trichloroethene	7.21	130	62515	19.070	ug/l	96
45) 1,2-Dichloropropane	7.52	63	59643	19.321	ug/l	98
46) Dibromomethane	7.66	93	38025	18.663	ug/l	97
47) Bromodichloromethane	7.90	83	72423	19.217	ug/l	97
48) Methyl methacrylate	7.77	41	72751	19.518	ug/l	96
49) 1,4-Dioxane	7.75	88	32513	378.179	ug/l	95
51) 4-Methyl-2-Pentanone	8.65	43	504575	101.397	ug/l	95
52) Toluene	8.79	92	141175	20.505	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	79971	19.608	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	88603	20.049	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	58838	20.176	ug/l	97
56) Ethyl methacrylate	9.18	69	90694	21.334	ug/l	96
57) 1,3-Dichloropropane	9.37	76	98797	20.298	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	252927	106.087	ug/l	95
59) 2-Hexanone	9.49	43	393683	98.349	ug/l	95
60) Dibromochloromethane	9.59	129	58562	19.428	ug/l	100
61) 1,2-Dibromoethane	9.67	107	61556	20.113	ug/l	100
64) Tetrachloroethene	9.34	164	63229	19.843	ug/l	96
65) Chlorobenzene	10.14	112	160399	19.052	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.23	131	58177	19.391	ug/l	99
67) Ethyl Benzene	10.25	91	265164	19.374	ug/l	97
68) m/p-Xylenes	10.36	106	208834	39.311	ug/l	96
69) o-Xylene	10.70	106	100960	19.706	ug/l	97
70) Styrene	10.71	104	168337	19.976	ug/l	98
71) Bromoform	10.86	173	47670	17.780	ug/l #	99
73) Isopropylbenzene	11.02	105	278115	21.771	ug/l	100
74) N-amyl acetate	10.90	43	125901	20.434	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.27	83	94190	19.546	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	89601m	21.496	ug/l	
77) Bromobenzene	11.26	156	74875	20.499	ug/l	99
78) n-propylbenzene	11.36	91	310642	21.132	ug/l	99
79) 2-Chlorotoluene	11.42	91	187251	20.799	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	230329	21.055	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	25963	18.926	ug/l	99
82) 4-Chlorotoluene	11.51	91	218284	20.453	ug/l	100
83) tert-Butylbenzene	11.77	119	232496	20.987	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	241436	21.446	ug/l	97
85) sec-Butylbenzene	11.94	105	281779	21.494	ug/l	98
86) p-Isopropyltoluene	12.07	119	251207	21.200	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	136777	20.040	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	137006	19.622	ug/l	97
89) n-Butylbenzene	12.39	91	214761	19.962	ug/l	98
90) Hexachloroethane	12.60	117	37909	18.564	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	138136	19.833	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	22213	18.897	ug/l	98

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Quant Title : SW846 8260
QLast Update : Fri Oct 12 11:28:43 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	104432	20.436	ug/l	100
94) Hexachlorobutadiene	13.79	225	51617	19.125	ug/l	97
95) Naphthalene	13.83	128	327296	22.085	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	109254	20.895	ug/l	98

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

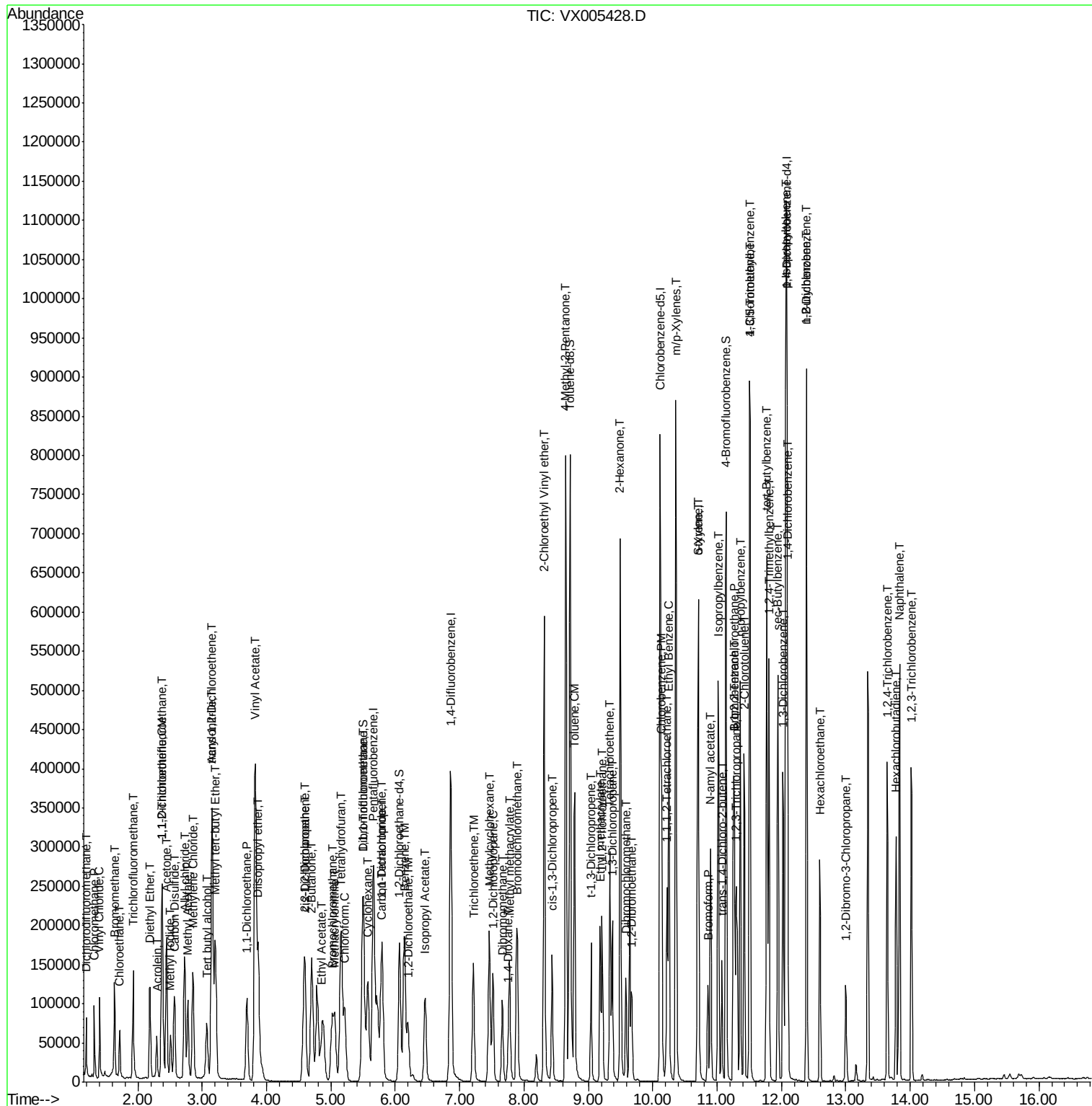
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX101818\
 Data File : VX005428.D
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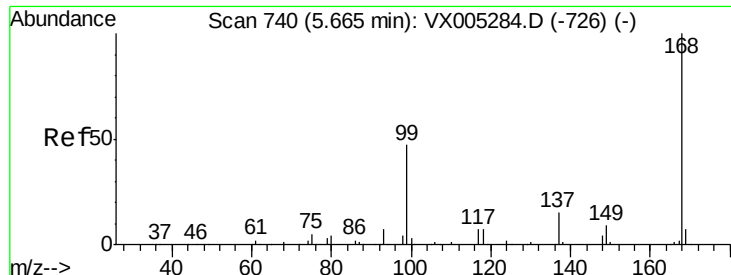
Instrument :
 MSVOA_X
 Client Sampled :
 VX1018WBSD01

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 Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.01 min

Lab File: VX005428.D

Acq: 18 Oct 2018 14:23

Instrument :

MSVOA_X

ClientSampleId :

VX1018WBSD01

Tot Ion:168 Resp: 301136

Ion Ratio Lower Upper

168 100

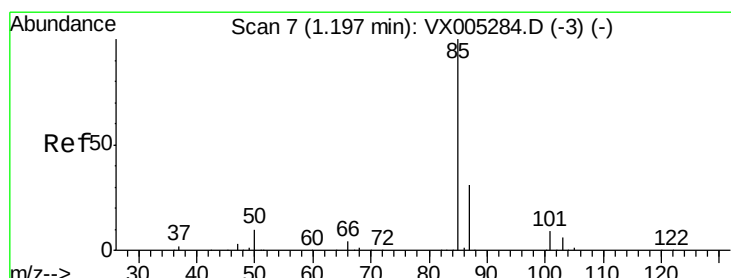
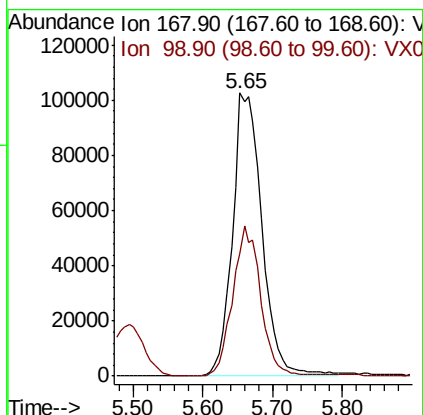
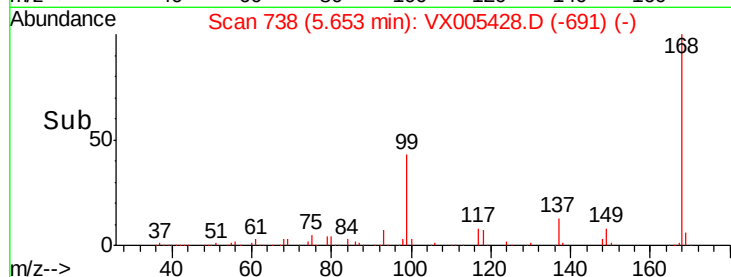
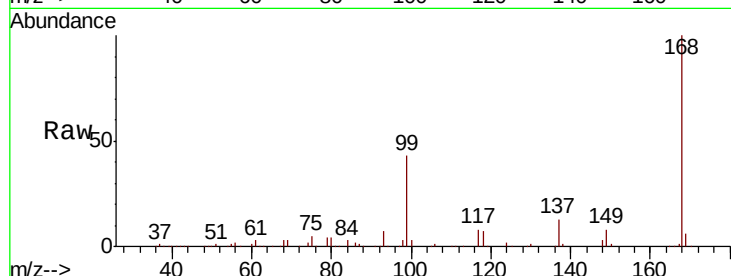
99 43.0 39.9 59.9

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 18.522 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX005428.D

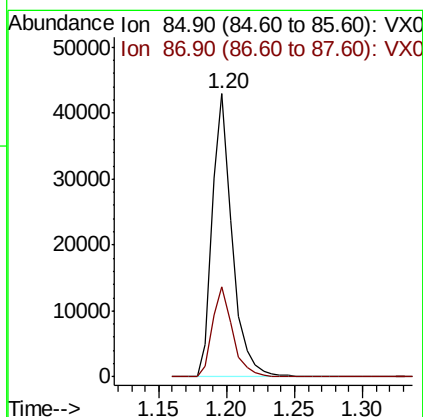
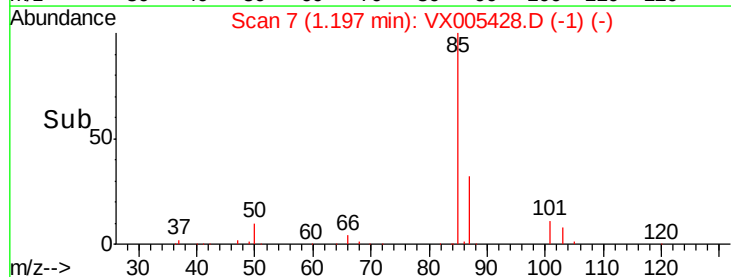
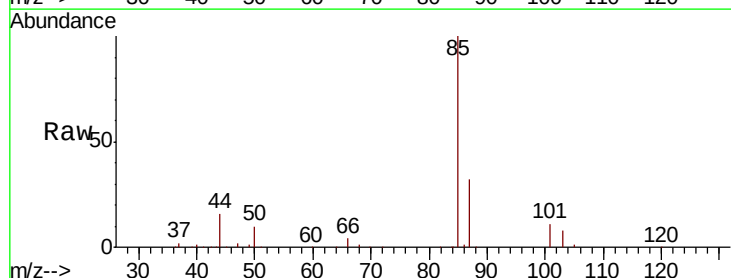
Acq: 18 Oct 2018 14:23

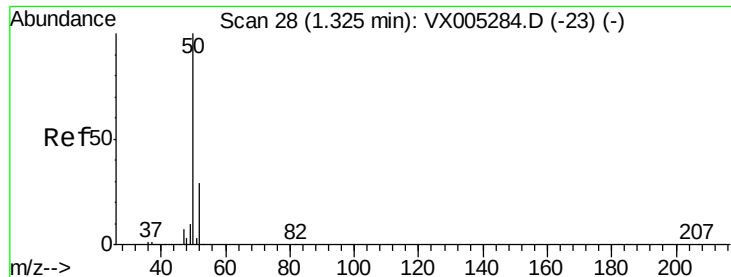
Tgt Ion: 85 Resp: 43611

Ion Ratio Lower Upper

85 100

87 31.8 17.0 50.9





#3

Chloromethane

Concen: 17.740 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX005428.D

Acq: 18 Oct 2018 14:23

Instrument :

MSVOA_X

ClientSampleId :

VX1018WBSD01

Tot Ion: 50 Resp: 60522

Ion Ratio Lower Upper

50 100

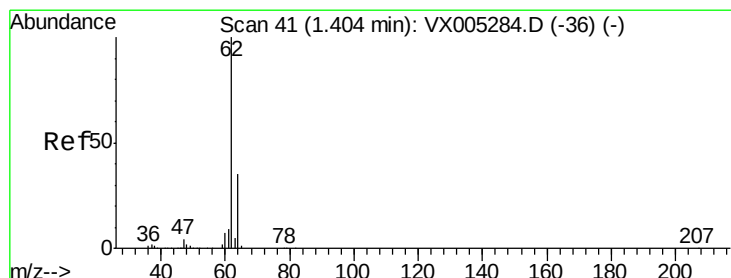
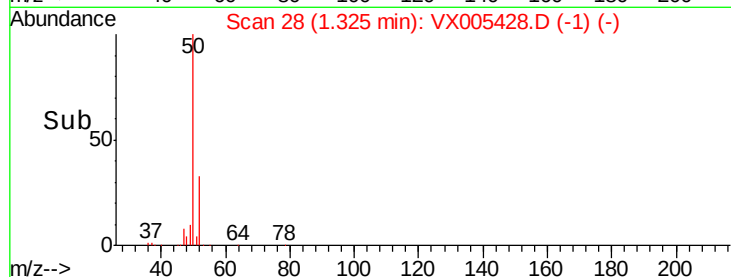
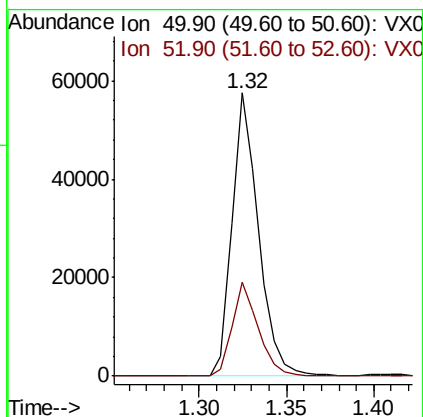
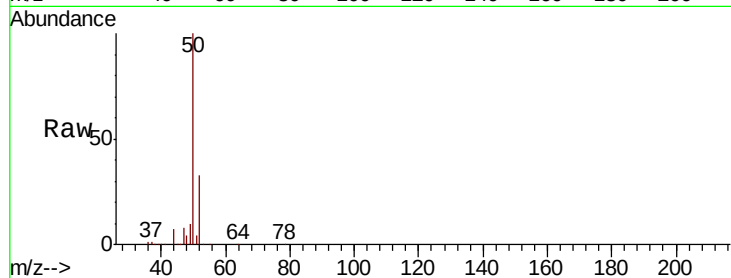
52 33.1 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.520 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX005428.D

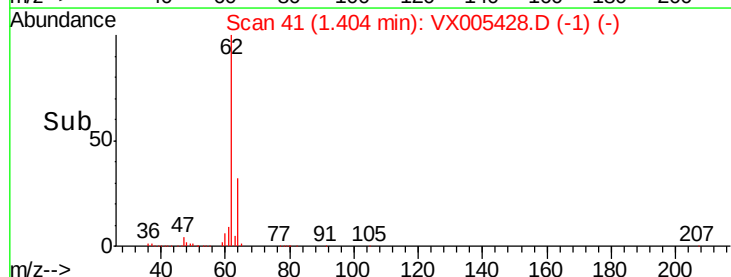
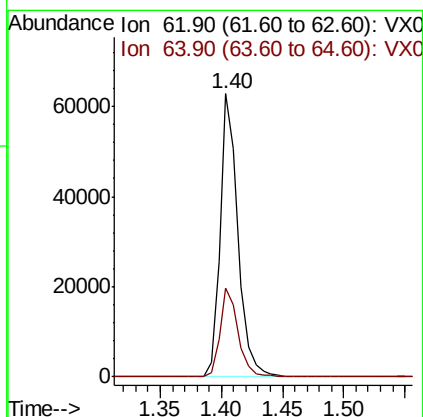
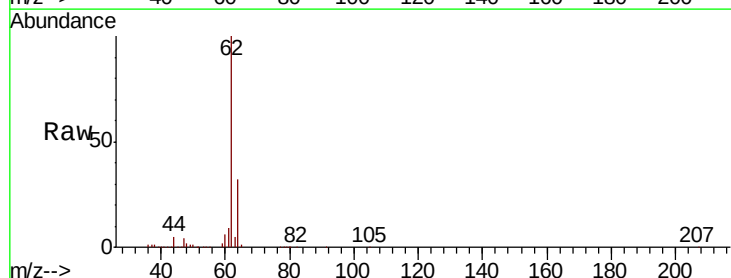
Acq: 18 Oct 2018 14:23

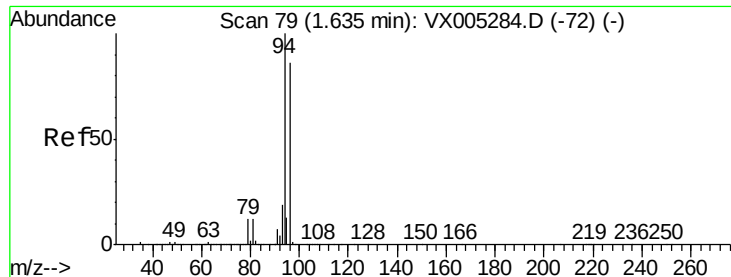
Tgt Ion: 62 Resp: 64005

Ion Ratio Lower Upper

62 100

64 31.6 25.8 38.8





#5

Bromomethane

Concen: 19.304 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005428.D

Acq: 18 Oct 2018 14:23

Instrument :

MSVOA_X

ClientSampleId :

VX1018WBSD01

Tot Ion: 94 Resp: 36972

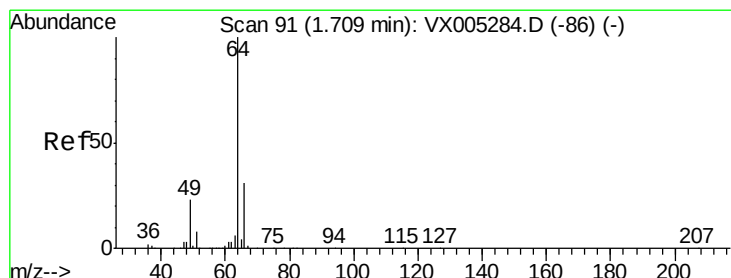
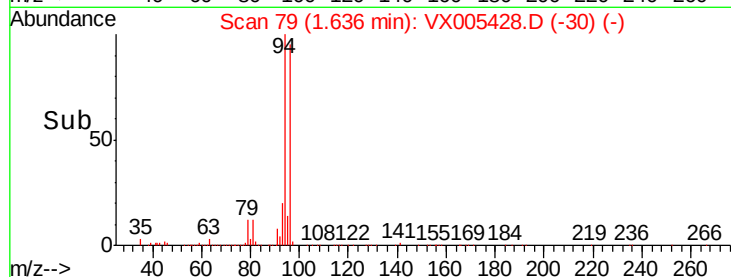
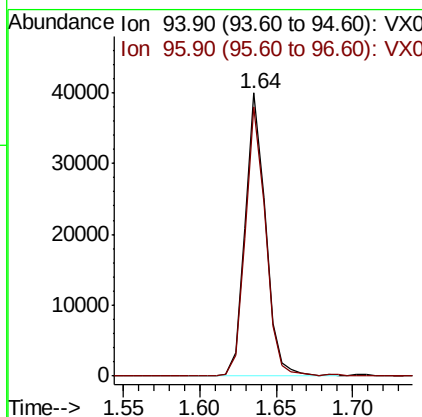
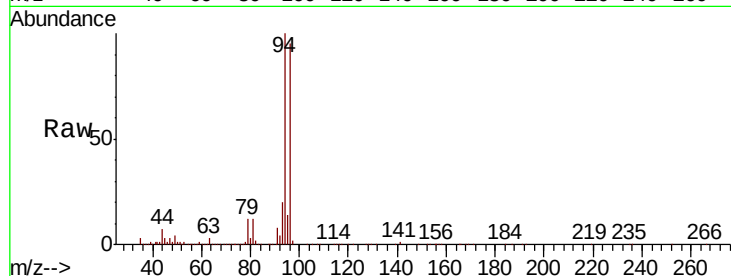
Ion Ratio Lower Upper

94 100

96 95.3 74.5 111.7

Manual Integrations
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#6

Chloroethane

Concen: 19.089 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005428.D

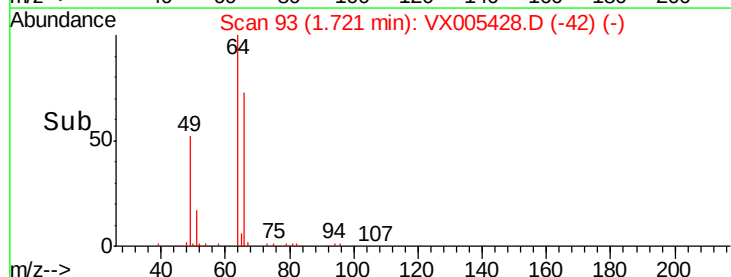
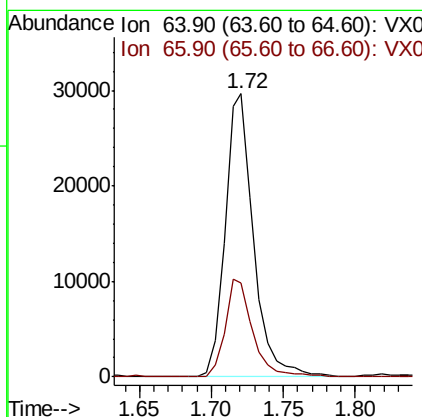
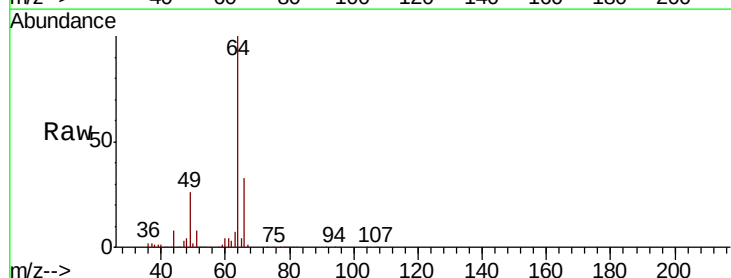
Acq: 18 Oct 2018 14:23

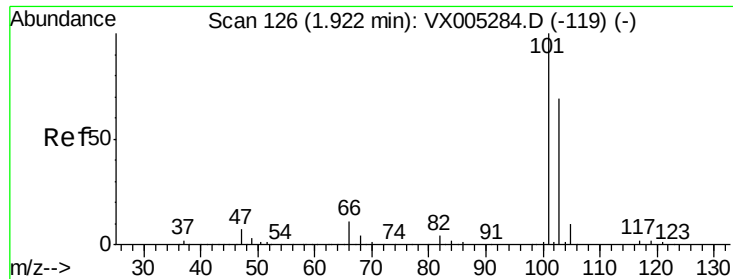
Tgt Ion: 64 Resp: 40967

Ion Ratio Lower Upper

64 100

66 33.2 24.6 36.8





#7

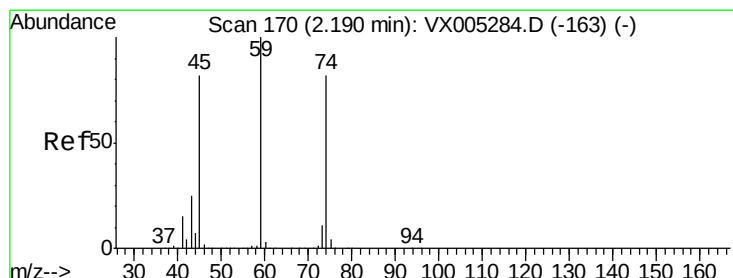
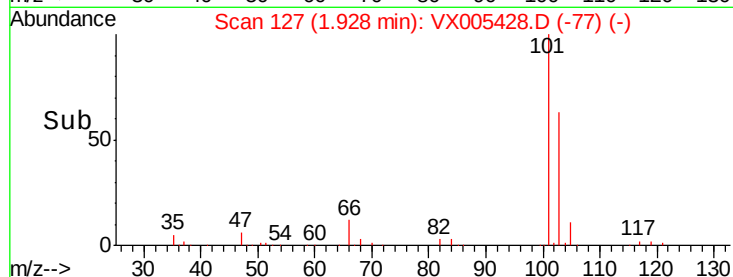
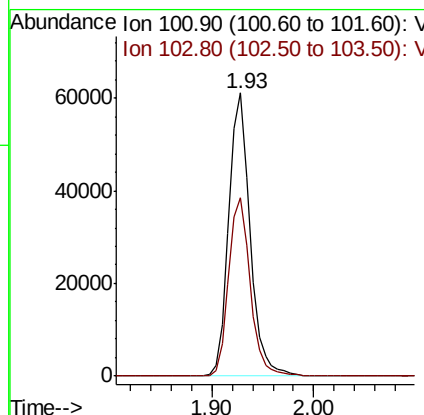
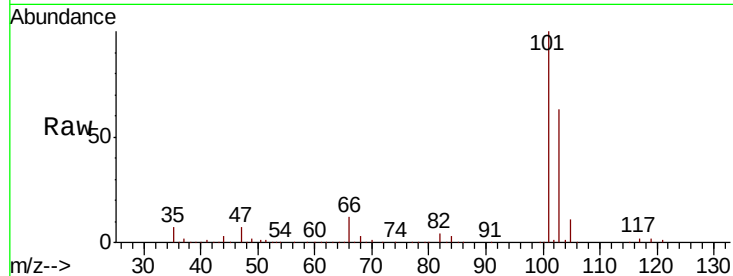
Trichlorofluoromethane
Concen: 19.145 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX005428.D
Acq: 18 Oct 2018 14:23

Instrument :
MSVOA_X
ClientSampleId :
VX1018WBSD01

Tot Ion:101 Resp: 88295
Ion Ratio Lower Upper
101 100
103 63.1 48.9 73.3

Manual Integrations
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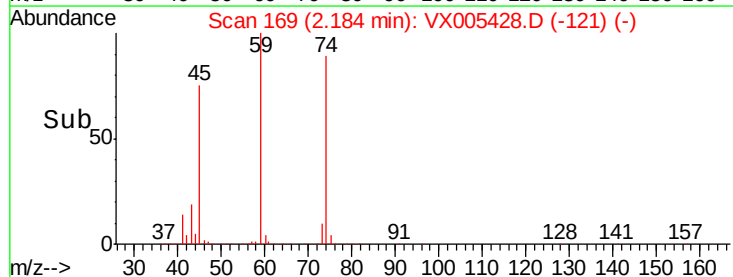
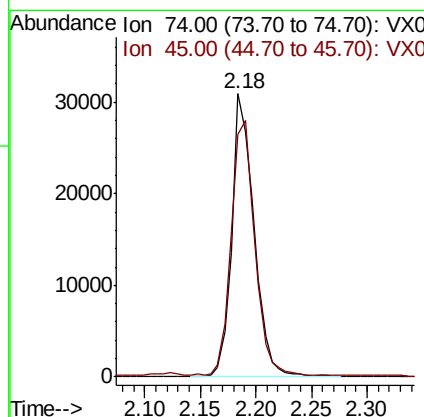
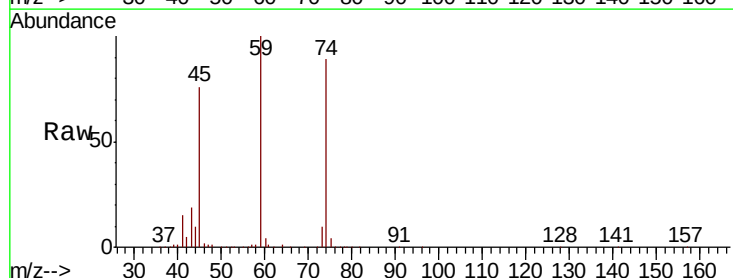
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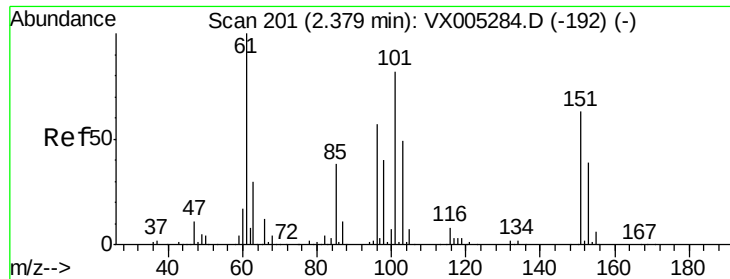


#8

Diethyl Ether
Concen: 21.624 ug/l
RT: 2.18 min Scan# 169
Delta R.T. -0.01 min
Lab File: VX005428.D
Acq: 18 Oct 2018 14:23

Tgt Ion: 74 Resp: 42587
Ion Ratio Lower Upper
74 100
45 95.7 48.3 144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.845 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX005428.D

Acq: 18 Oct 2018 14:23

Instrument :

MSVOA_X

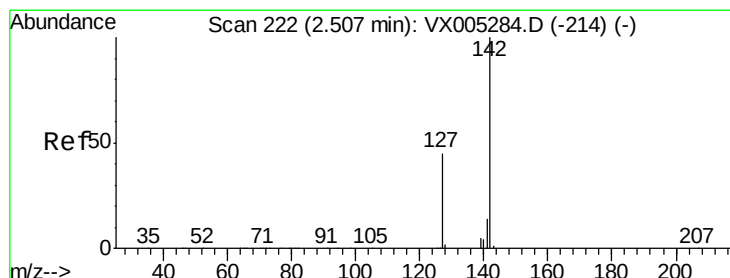
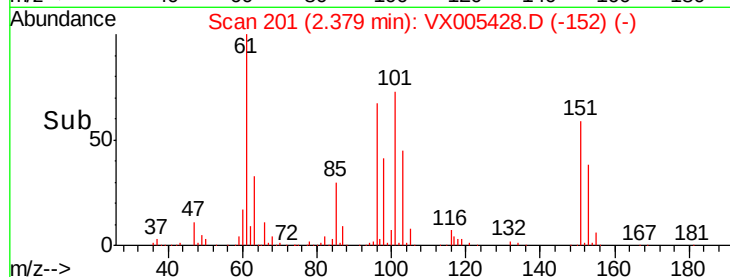
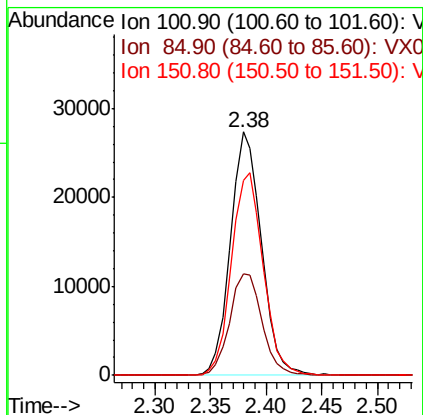
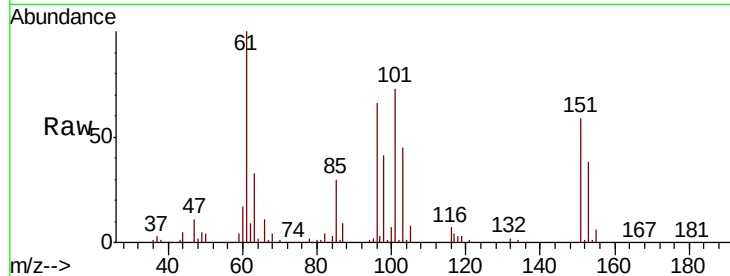
ClientSampleId :

VX1018WBSD01

Tot Ion:	101	Resp:	52827
Ion Ratio	Lower	Upper	
101	100		
85	43.6	34.2	51.4
151	85.3	65.0	97.6

Manual Integrations
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#10

Methyl Iodide

Concen: 21.085 ug/l

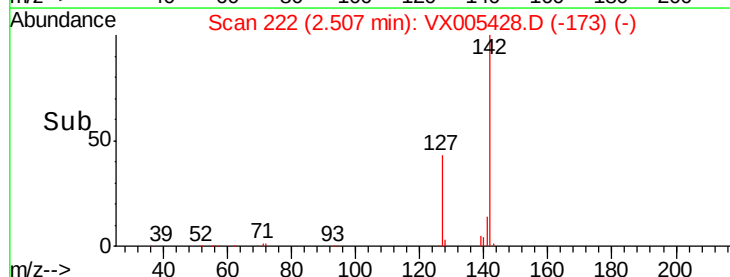
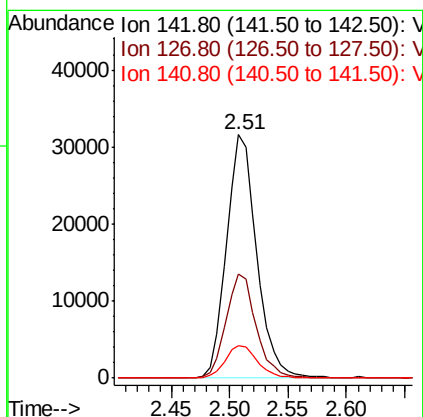
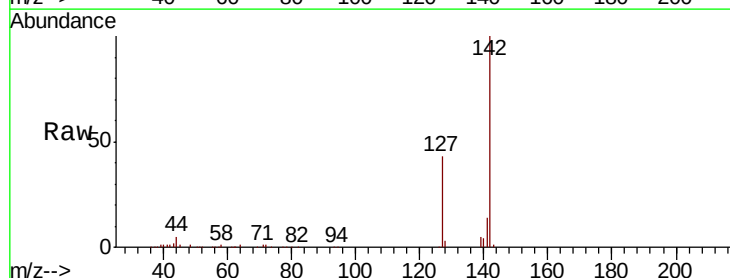
RT: 2.51 min Scan# 222

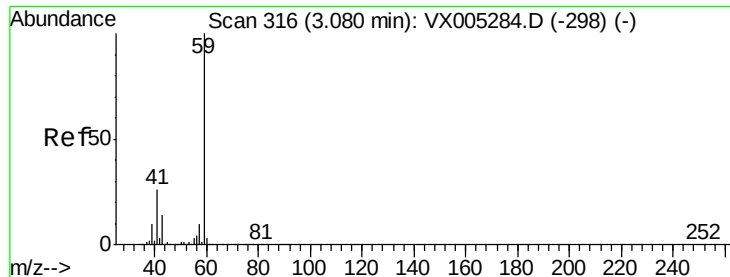
Delta R.T. 0.00 min

Lab File: VX005428.D

Acq: 18 Oct 2018 14:23

Tgt Ion:	142	Resp:	57122
Ion Ratio	Lower	Upper	
142	100		
127	42.5	33.8	50.6
141	14.3	11.4	17.0





#11

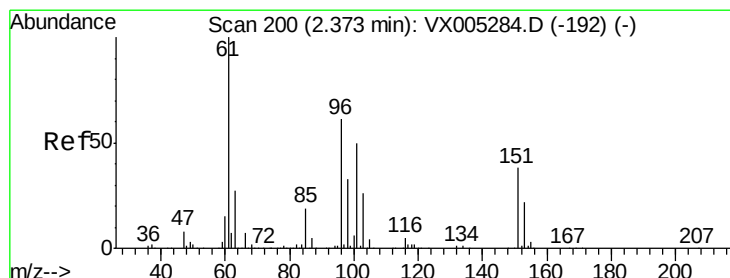
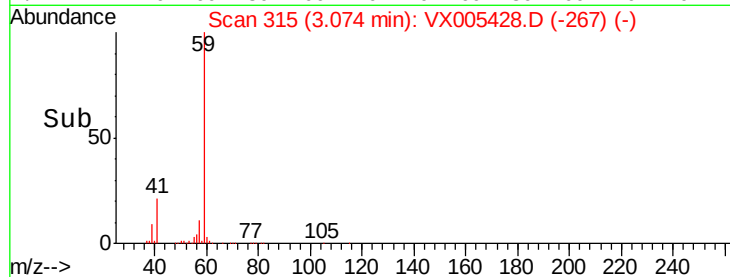
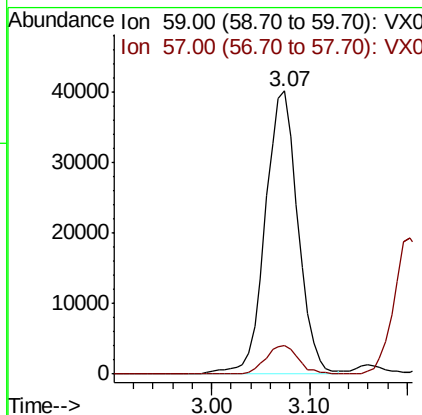
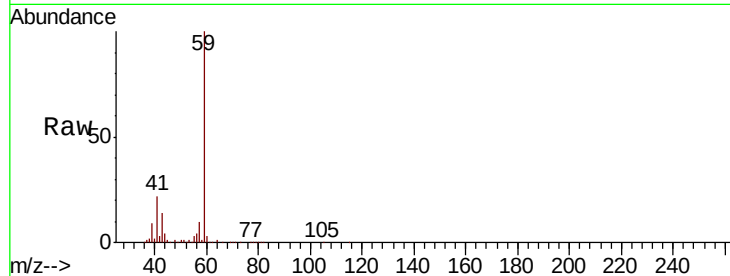
Tert butyl alcohol
Concen: 99.137 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX005428.D
Acq: 18 Oct 2018 14:23

Instrument :
MSVOA_X
ClientSampleId :
VX1018WBSD01

Tot Ion: 59 Resp: 93463
Ion Ratio Lower Upper
59 100
57 10.2 8.2 12.4

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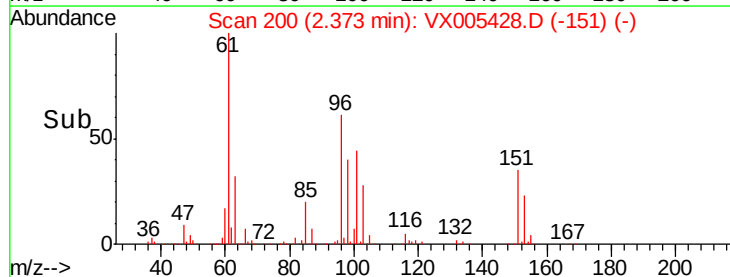
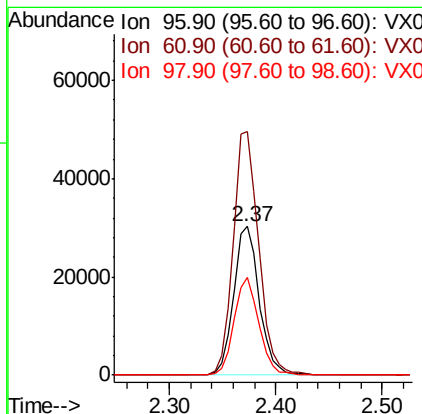
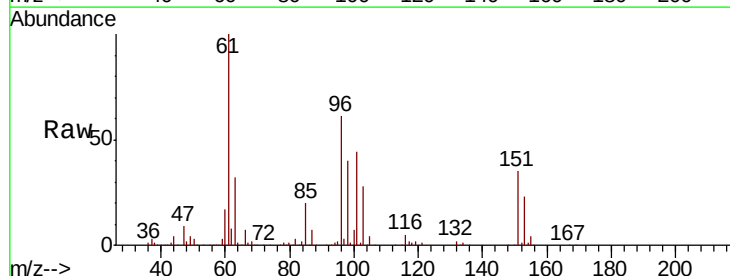
MMDadoda
10/19/2018 1:51:31 PM

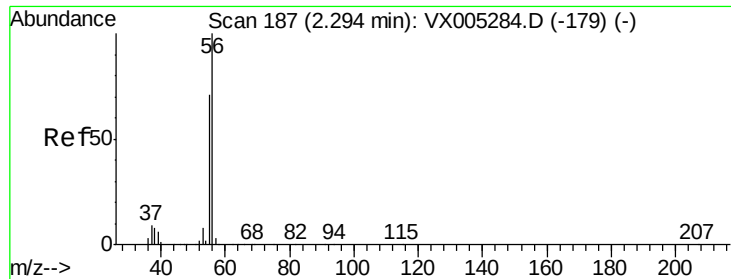


#12

1,1-Dichloroethene
Concen: 19.451 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX005428.D
Acq: 18 Oct 2018 14:23

Tgt Ion: 96 Resp: 51301
Ion Ratio Lower Upper
96 100
61 163.8 128.8 193.2
98 66.0 52.2 78.2





#13

Acrolein

Concen: 63.204 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005428.D

Acq: 18 Oct 2018 14:23

Instrument :

MSVOA_X

ClientSampleId :

VX1018WBSD01

Tot Ion: 56 Resp: 38996

Ion Ratio Lower Upper

56 100

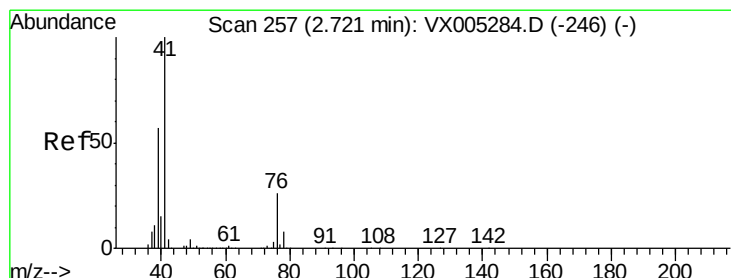
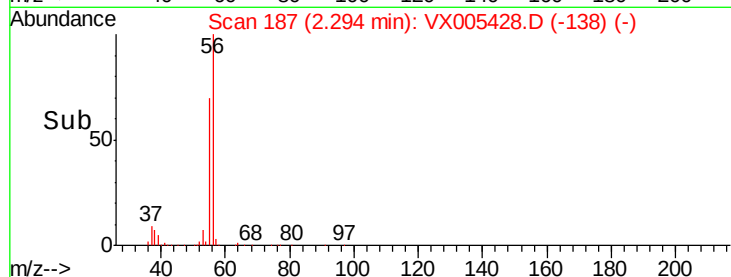
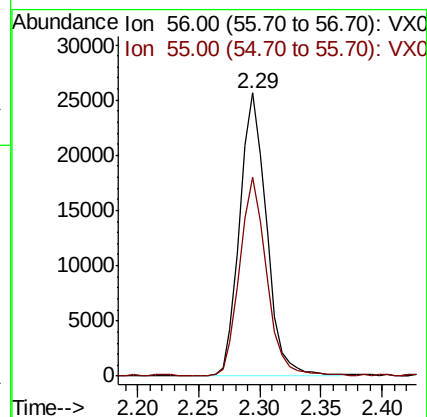
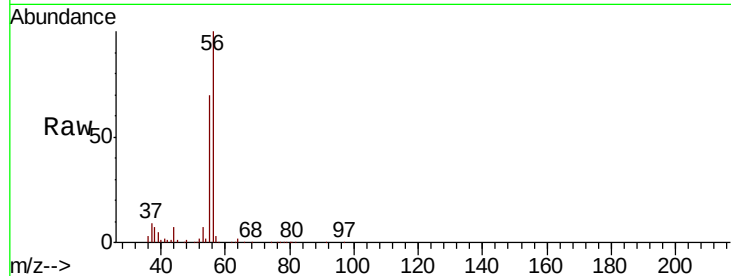
55 70.7 54.7 82.1

Manual Integrations

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#14

Allyl chloride

Concen: 19.639 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX005428.D

Acq: 18 Oct 2018 14:23

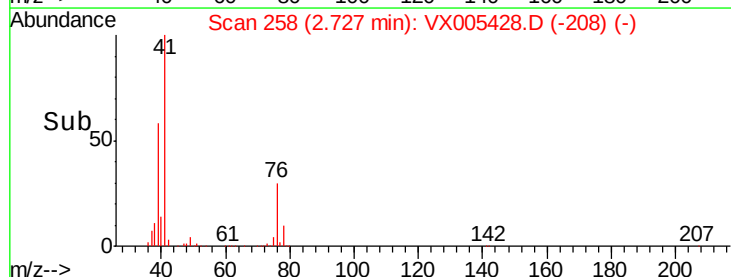
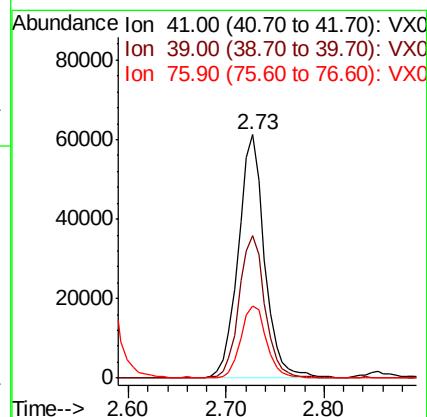
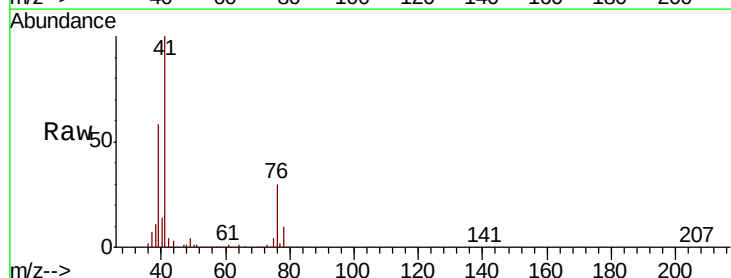
Tgt Ion: 41 Resp: 113721

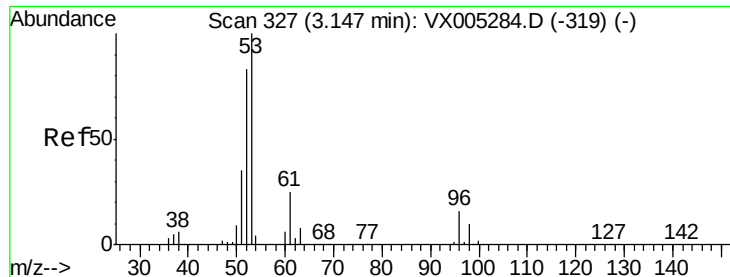
Ion Ratio Lower Upper

41 100

39 57.3 48.9 73.3

76 29.6 26.7 40.1





#15

Acrylonitrile

Concen: 98.047 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX005428.D

Acq: 18 Oct 2018 14:23

Instrument :

MSVOA_X

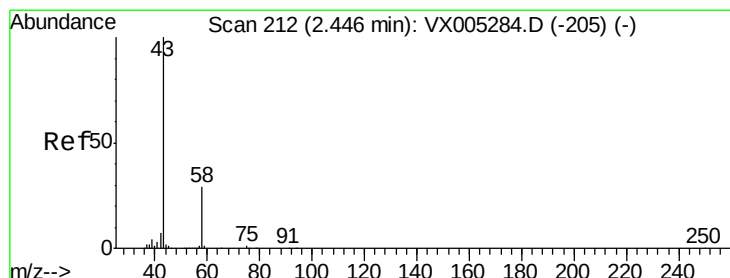
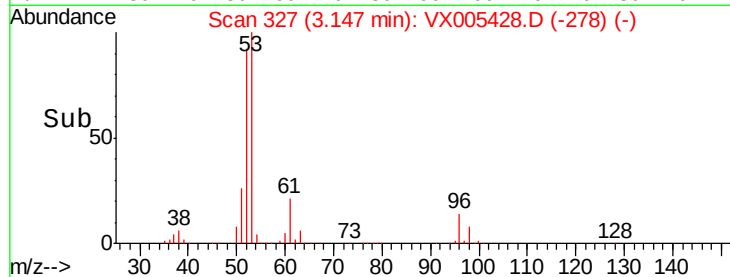
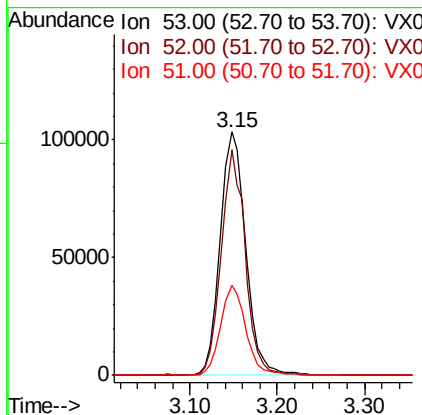
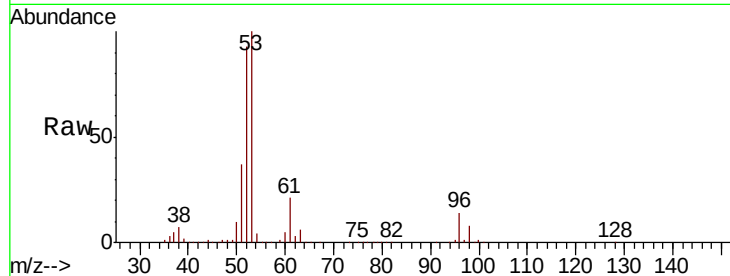
ClientSampleId :

VX1018WBSD01

Tot Ion:	53	Resp:	209465
Ion Ratio	Lower	Upper	
53	100		
52	86.3	65.2	97.8
51	36.3	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 97.889 ug/l

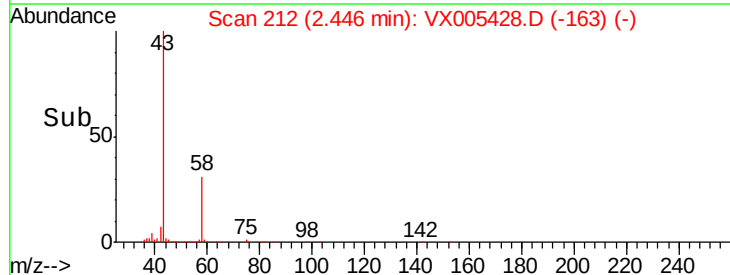
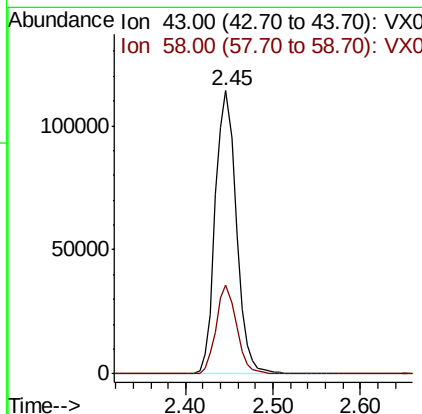
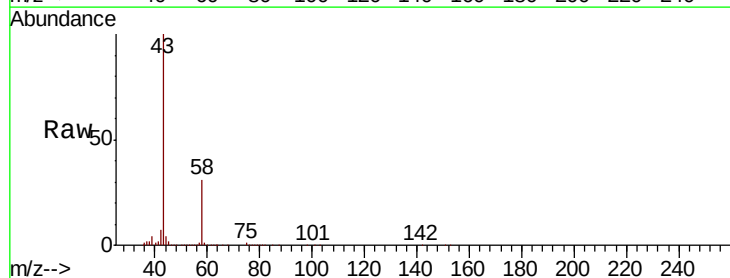
RT: 2.45 min Scan# 212

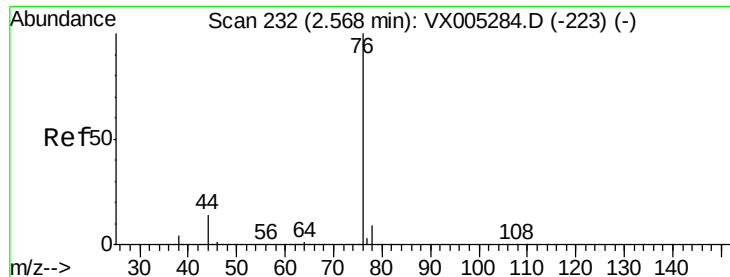
Delta R.T. 0.00 min

Lab File: VX005428.D

Acq: 18 Oct 2018 14:23

Tgt Ion:	43	Resp:	189159
Ion Ratio	Lower	Upper	
43	100		
58	31.4	26.2	39.4





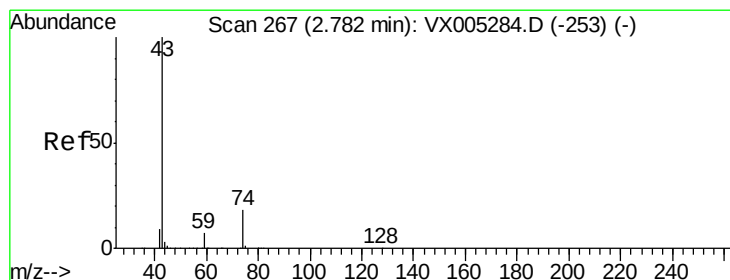
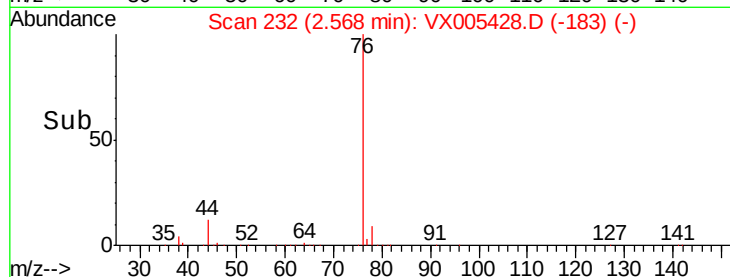
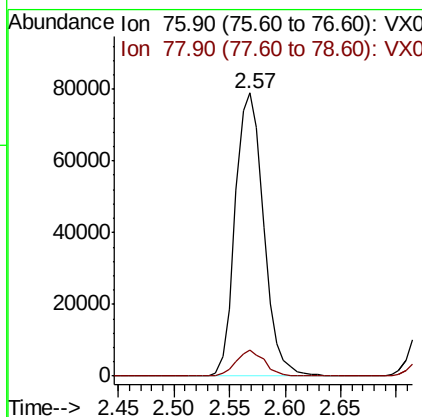
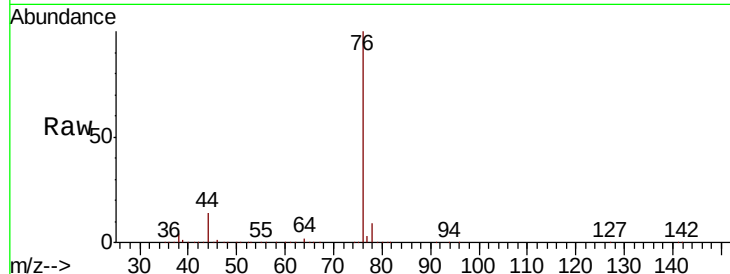
#17
Carbon Disulfide
Concen: 17.475 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX005428.D
Acq: 18 Oct 2018 14:23

Instrument :
MSVOA_X
ClientSampleId :
VX1018WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.0	10.6

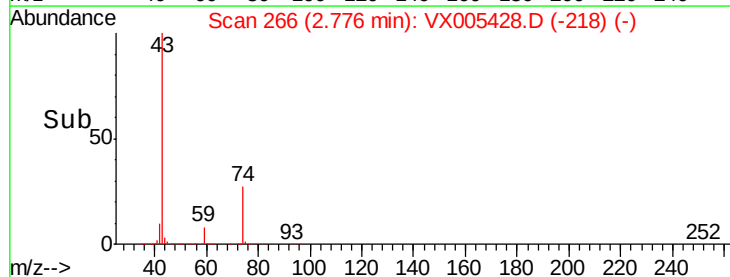
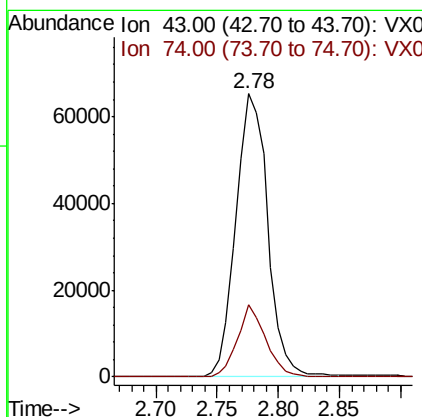
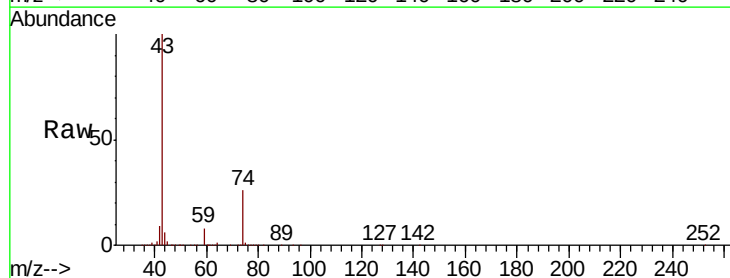
Manual Integrations
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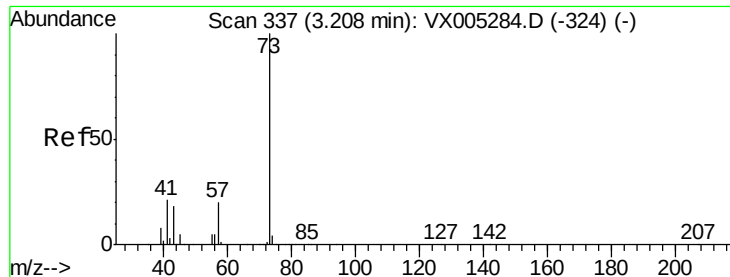
MMDadoda
10/19/2018 1:51:31 PM



#18
Methyl Acetate
Concen: 21.388 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005428.D
Acq: 18 Oct 2018 14:23

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.0	19.4	29.2





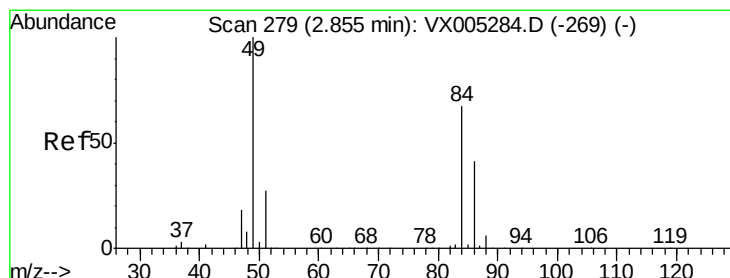
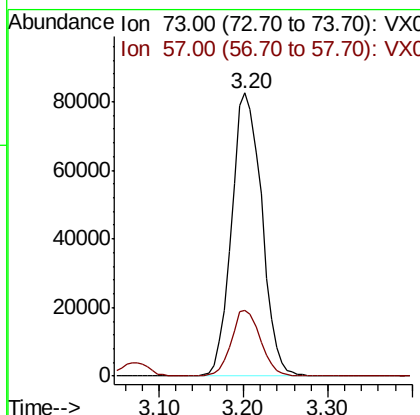
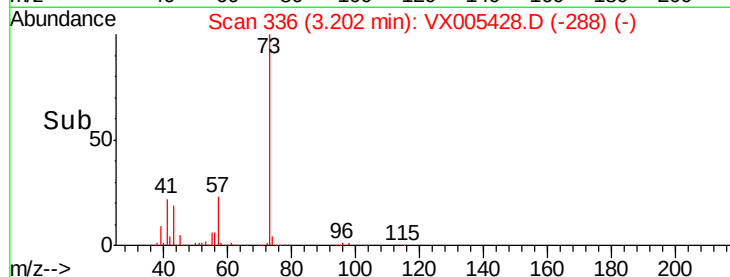
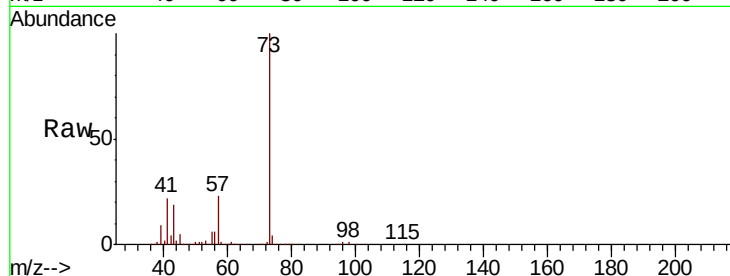
#19
Methyl tert-butyl Ether
Concen: 21.496 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.01 min
Lab File: VX005428.D
Acq: 18 Oct 2018 14:23

Instrument :
MSVOA_X
ClientSampleId :
VX1018WBSD01

Tot Ion: 73 Resp: 199672
Ion Ratio Lower Upper
73 100
57 23.3 17.1 25.7

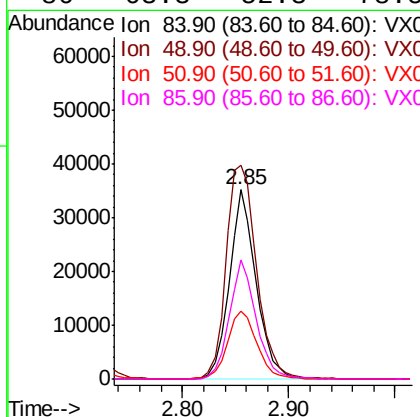
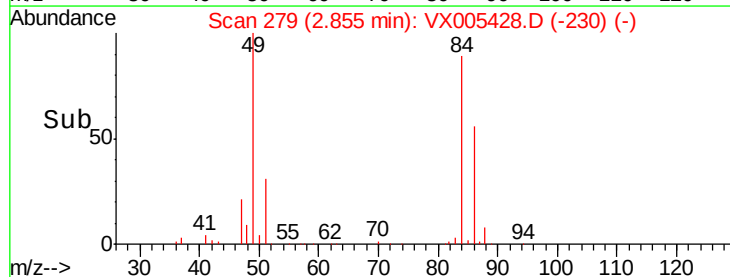
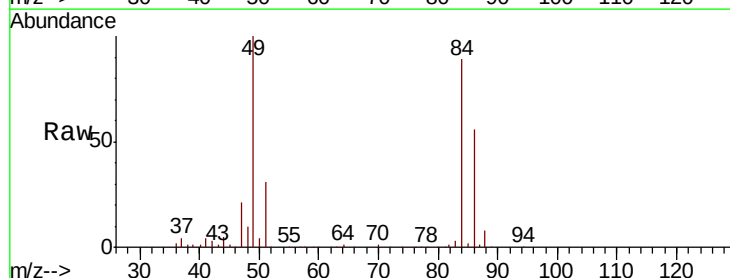
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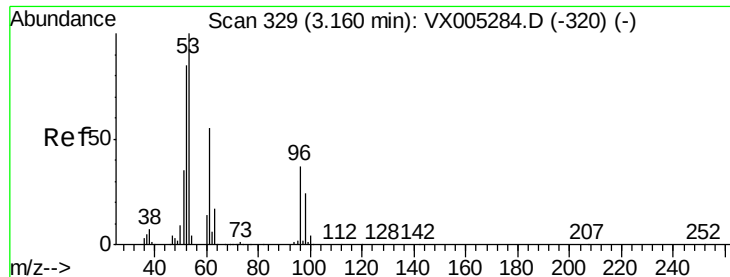
MMDadoda
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#20
Methylene Chloride
Concen: 21.204 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX005428.D
Acq: 18 Oct 2018 14:23

Tgt Ion: 84 Resp: 61825
Ion Ratio Lower Upper
84 100
49 112.8 101.2 151.8
51 35.3 29.5 44.3
86 63.3 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 18.969 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX005428.D

Acq: 18 Oct 2018 14:23

Instrument :

MSVOA_X

ClientSampleId :

VX1018WBSD01

Tot Ion: 96 Resp: 55443

Ion Ratio Lower Upper

96 100

61 154.8 113.8 170.6

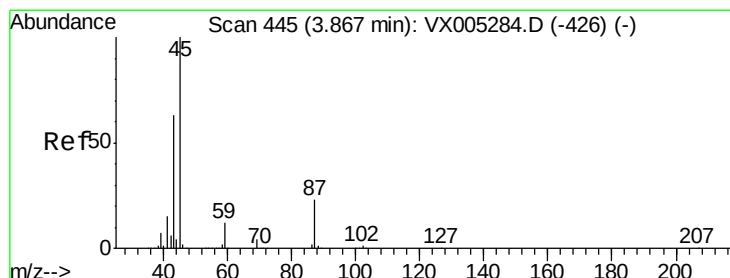
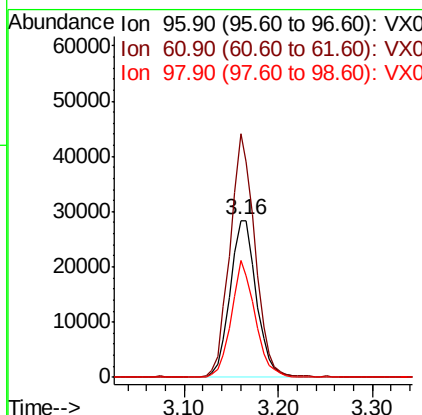
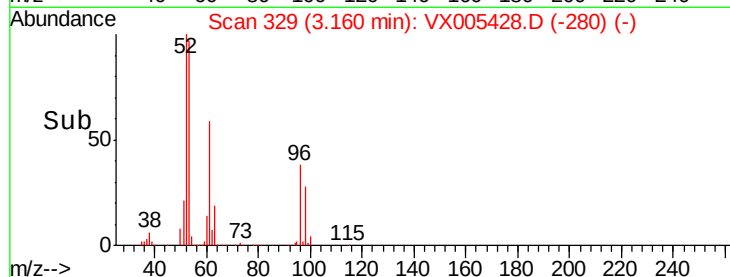
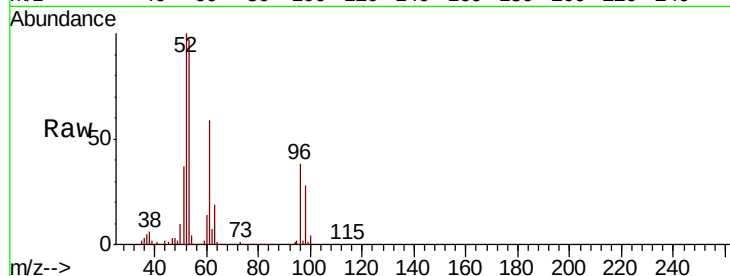
98 74.7 51.8 77.8

Manual Integrations

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#22

Diisopropyl ether

Concen: 21.059 ug/l

RT: 3.87 min Scan# 445

Delta R.T. 0.00 min

Lab File: VX005428.D

Acq: 18 Oct 2018 14:23

Tgt Ion: 45 Resp: 204822

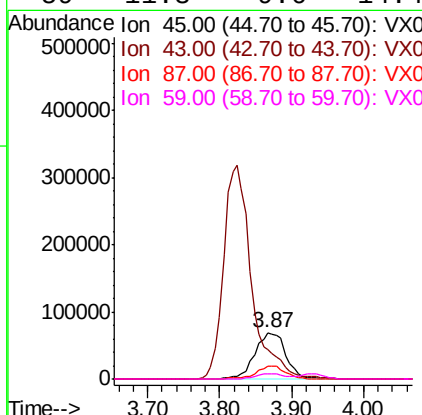
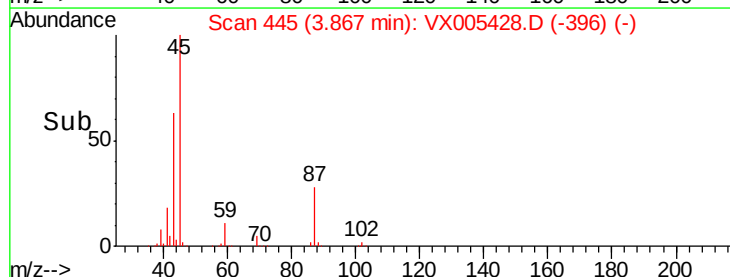
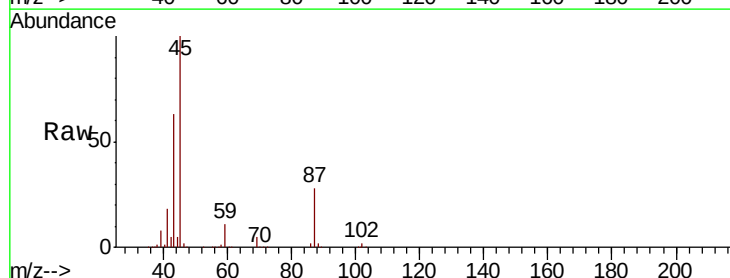
Ion Ratio Lower Upper

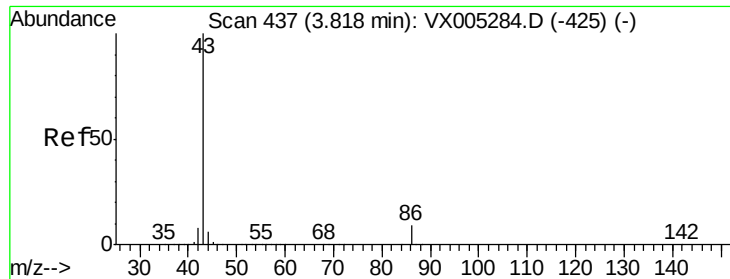
45 100

43 63.3 42.8 64.2

87 28.0 22.6 34.0

59 11.3 9.6 14.4





#23

Vinyl Acetate

Concen: 102.031 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX005428.D

Acq: 18 Oct 2018 14:23

Instrument :

MSVOA_X

ClientSampleID :

VX1018WBSD01

Tot Ion: 43 Resp: 867350

Ion Ratio Lower Upper

43 100

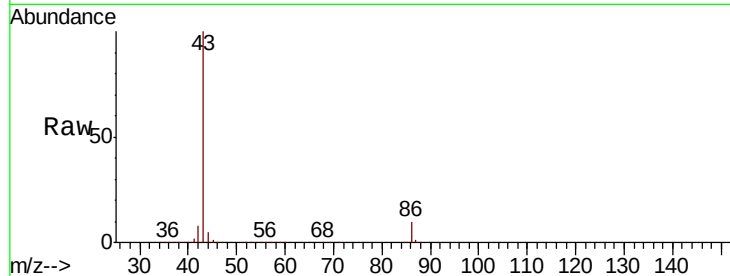
86 10.0 8.9 13.3

Manual Integrations

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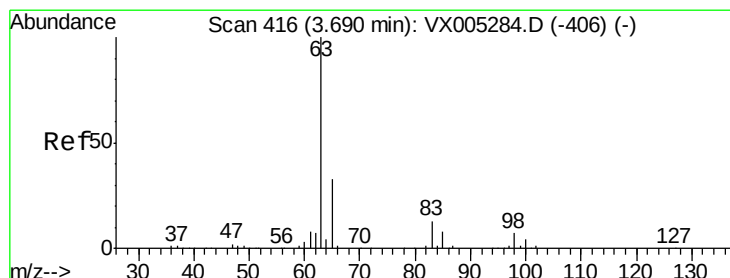
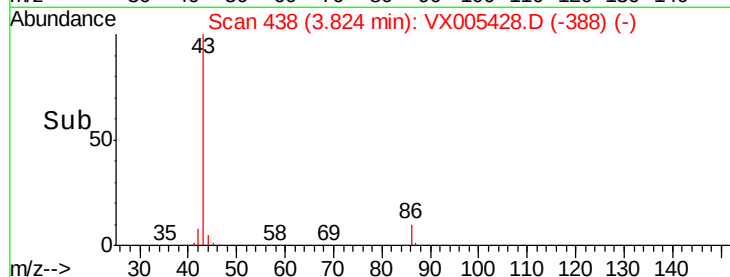
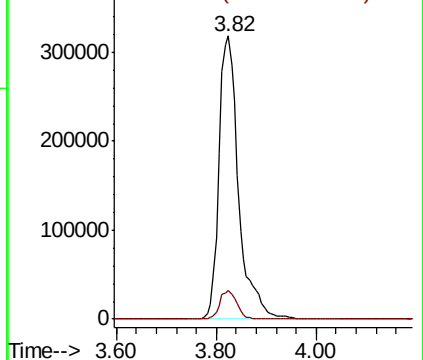
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 20.699 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX005428.D

Acq: 18 Oct 2018 14:23

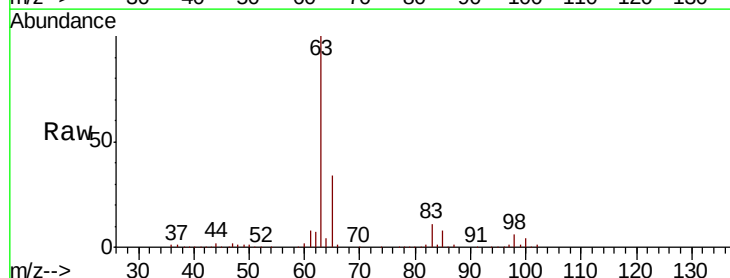
Tgt Ion: 63 Resp: 115377

Ion Ratio Lower Upper

63 100

98 5.9 3.5 10.4

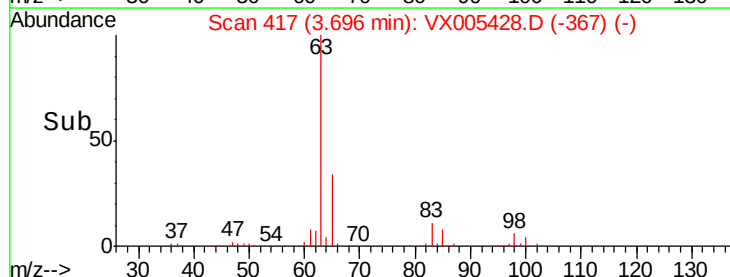
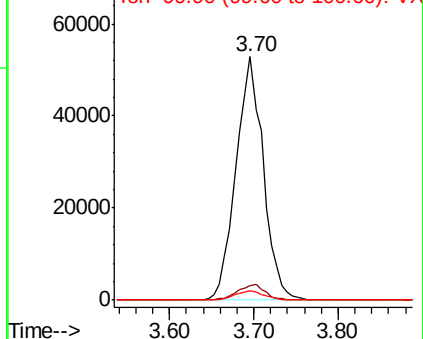
100 4.0 2.4 7.1

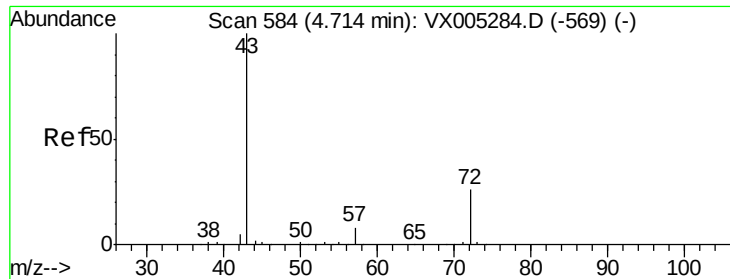


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 99.846 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX005428.D

Acq: 18 Oct 2018 14:23

Instrument :

MSVOA_X

ClientSampleId :

VX1018WBSD01

Tot Ion: 43 Resp: 282295

Ion Ratio Lower Upper

43 100

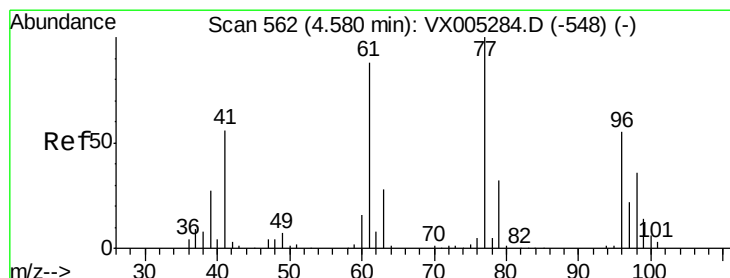
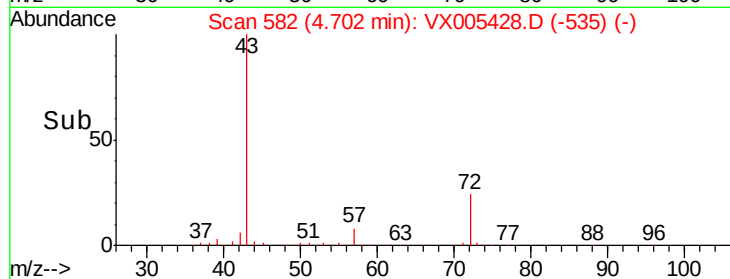
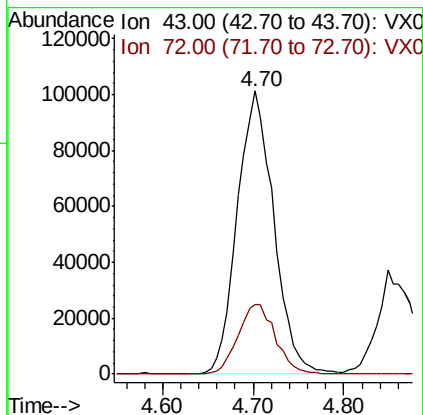
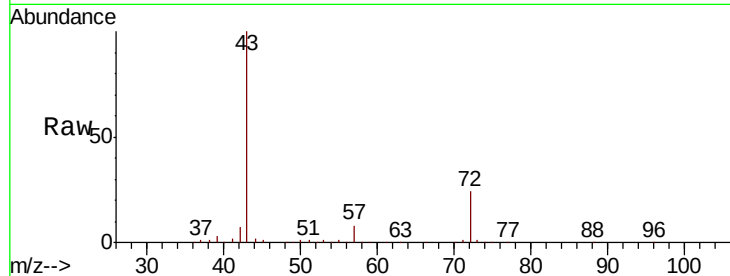
72 24.4 22.0 33.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.207 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX005428.D

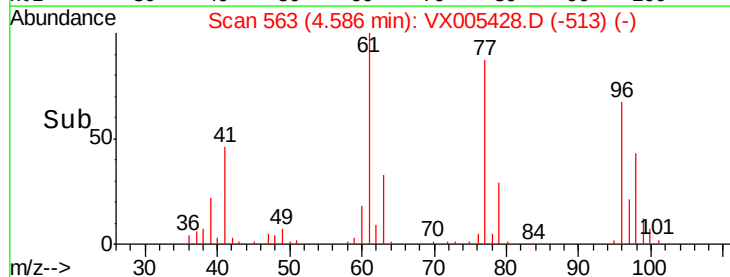
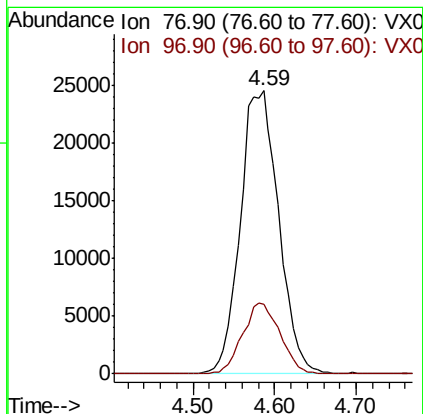
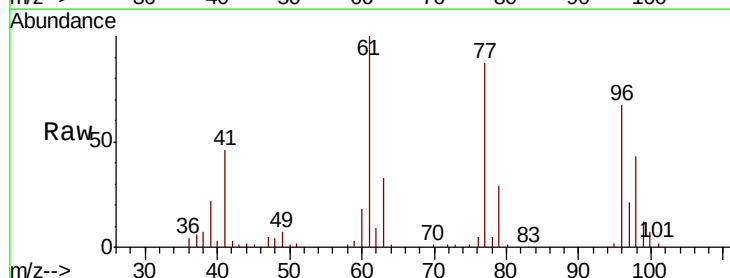
Acq: 18 Oct 2018 14:23

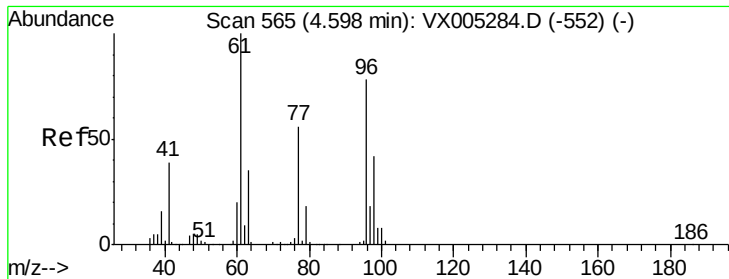
Tgt Ion: 77 Resp: 80071

Ion Ratio Lower Upper

77 100

97 24.5 11.7 35.0





#27

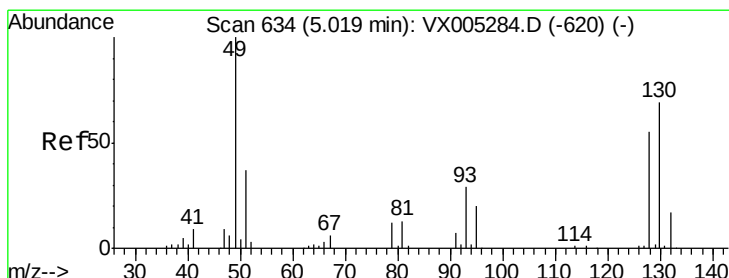
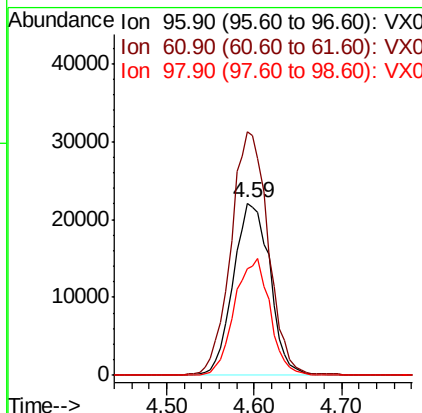
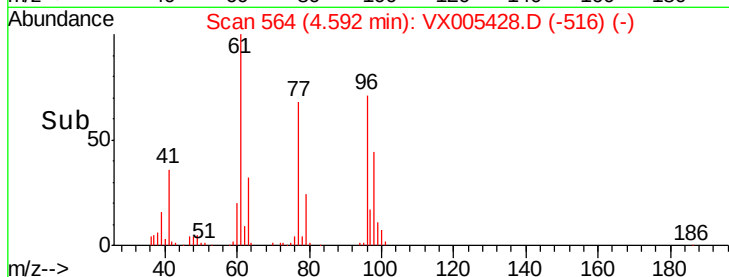
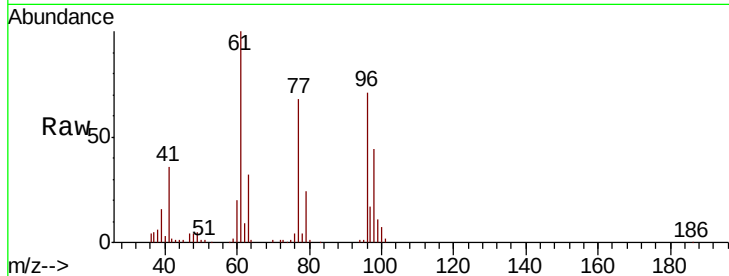
cis-1,2-Dichloroethene
Concen: 20.248 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX005428.D
Acq: 18 Oct 2018 14:23

Instrument :
MSVOA_X
ClientSampleId :
VX1018WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.6	0.0	282.6
98	65.4	0.0	130.2

Manual Integrations
APPROVED

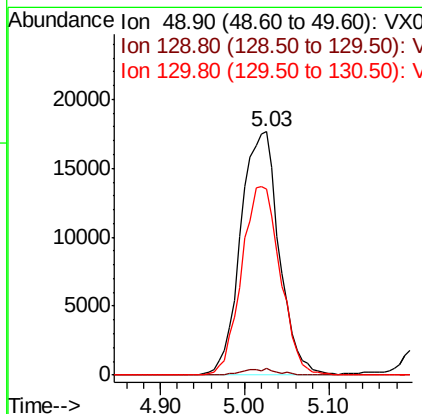
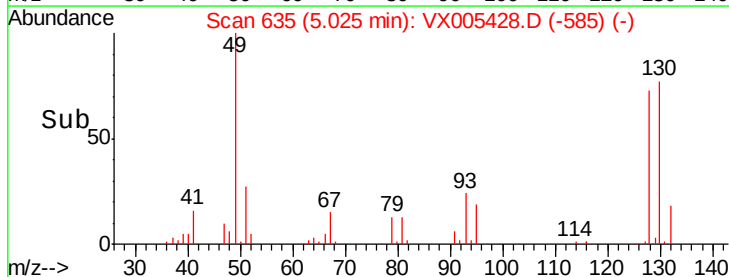
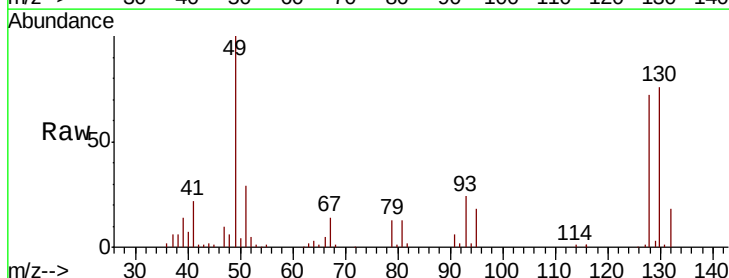
MMDadoda
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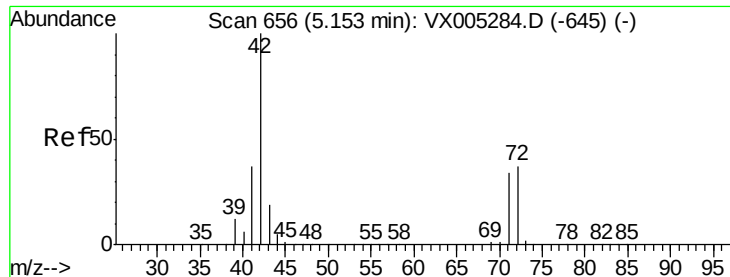


#28

Bromochloromethane
Concen: 21.527 ug/l
RT: 5.03 min Scan# 635
Delta R.T. 0.01 min
Lab File: VX005428.D
Acq: 18 Oct 2018 14:23

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	77.9	67.5	101.3





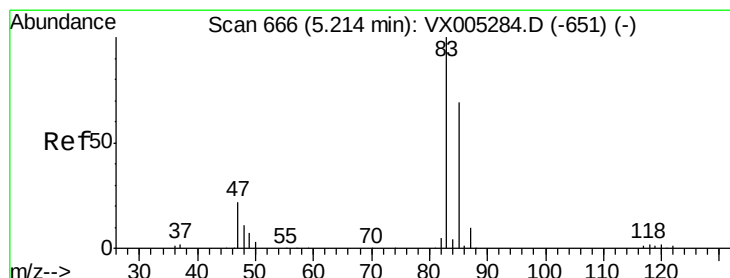
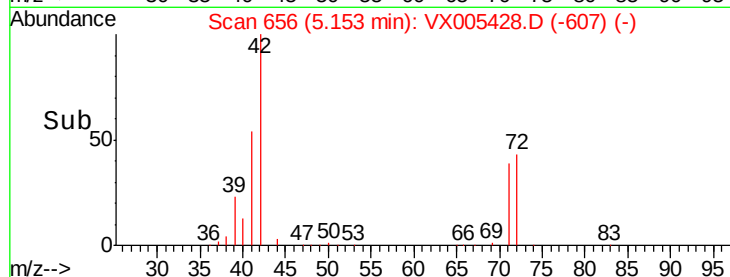
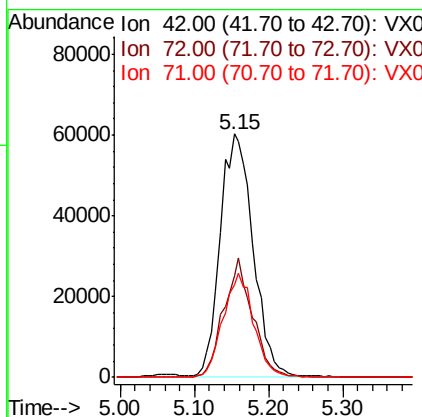
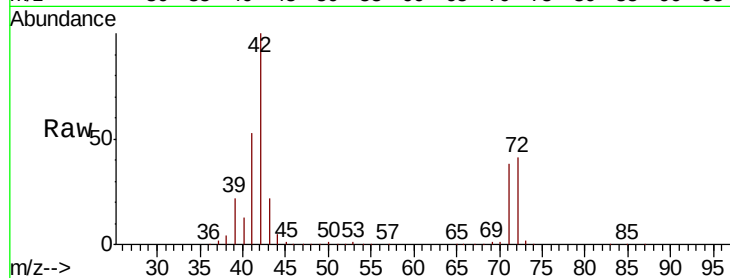
#29
Tetrahydrofuran
Concen: 102.769 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.00 min
Lab File: VX005428.D
Acq: 18 Oct 2018 14:23

Instrument :
MSVOA_X
ClientSampleId :
VX1018WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.2	37.4	56.0
71	39.8	34.5	51.7

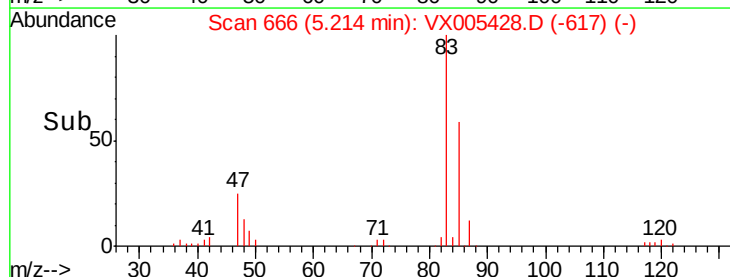
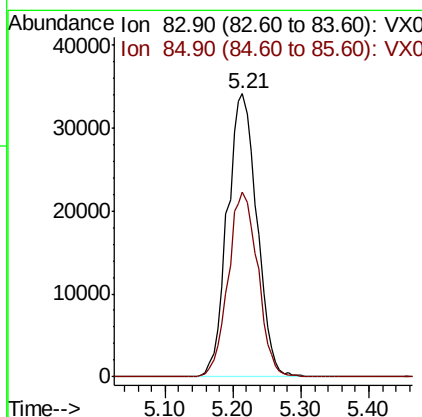
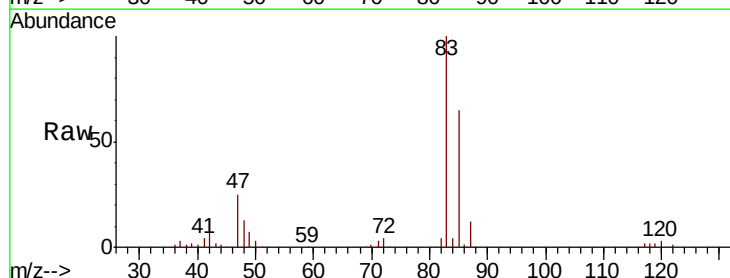
Manual Integrations
APPROVED

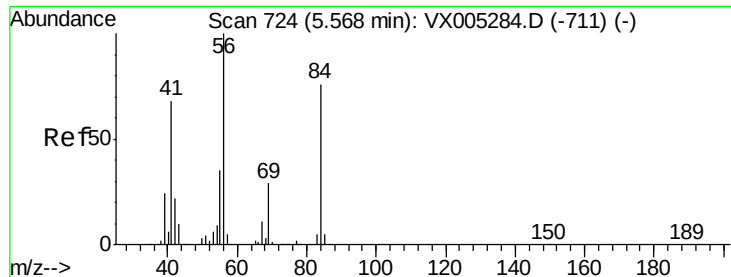
MMDadoda
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#30
Chloroform
Concen: 19.831 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX005428.D
Acq: 18 Oct 2018 14:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.6	79.0





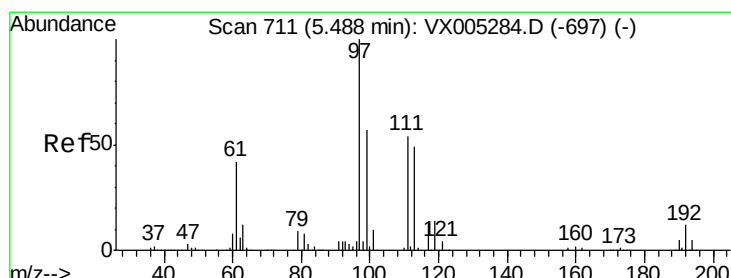
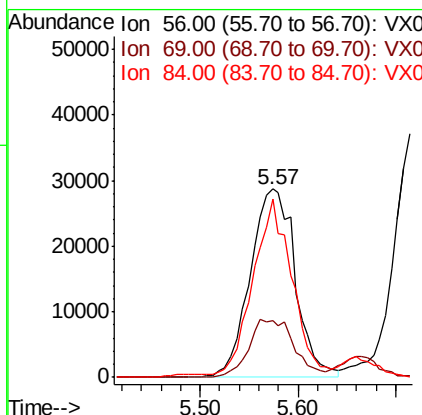
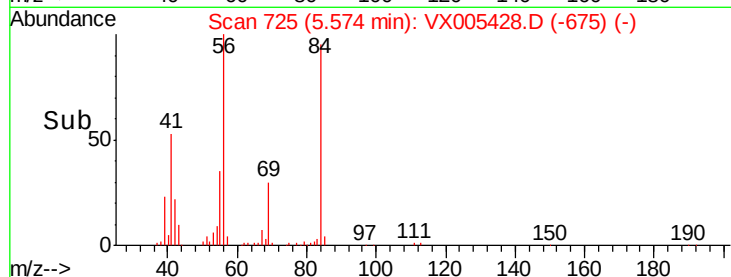
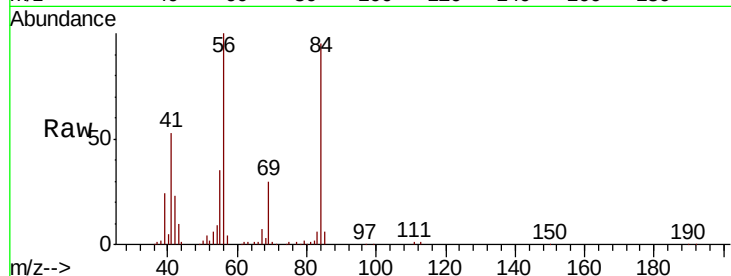
#31
Cyclohexane
Concen: 20.022 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.01 min
Lab File: VX005428.D
Acq: 18 Oct 2018 14:23

Instrument :
MSVOA_X
ClientSampleId :
VX1018WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.8	25.4	38.2
84	93.4	71.4	107.2

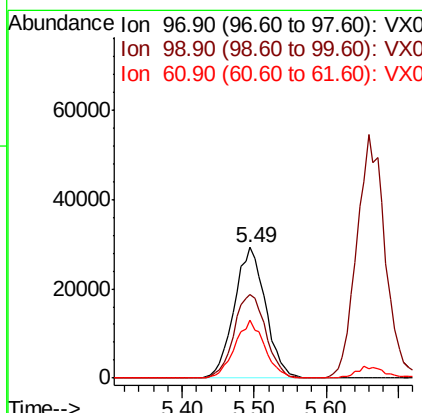
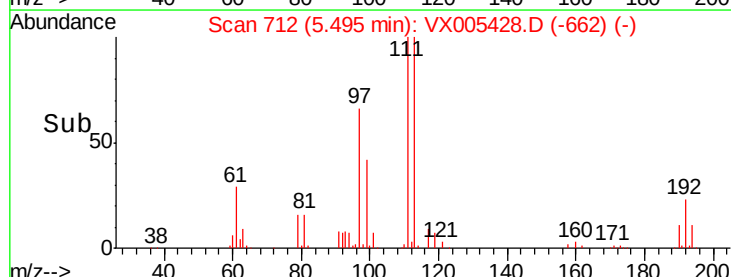
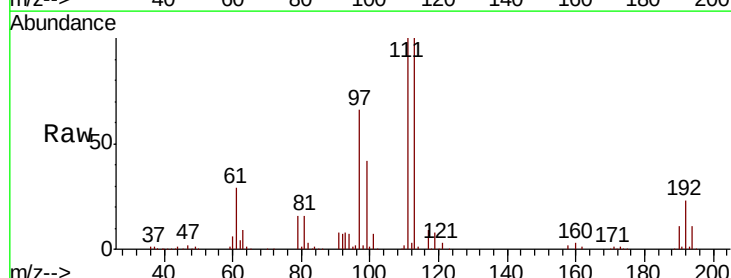
Manual Integrations
APPROVED

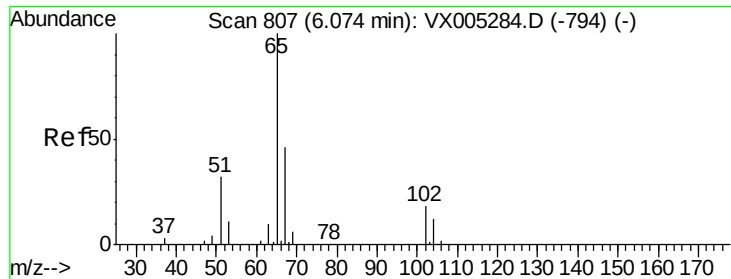
MMDadoda
10/19/2018 1:51:31 PM



#32
1,1,1-Trichloroethane
Concen: 19.694 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.01 min
Lab File: VX005428.D
Acq: 18 Oct 2018 14:23

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	52.0	78.0
61	42.1	34.9	52.3





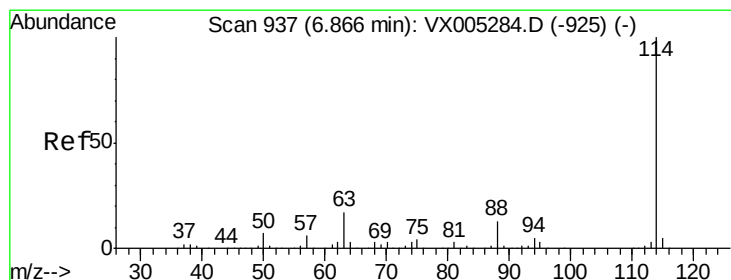
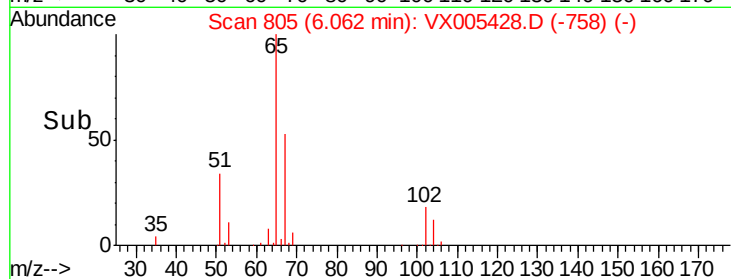
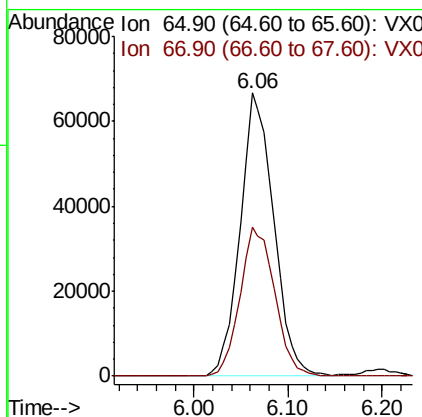
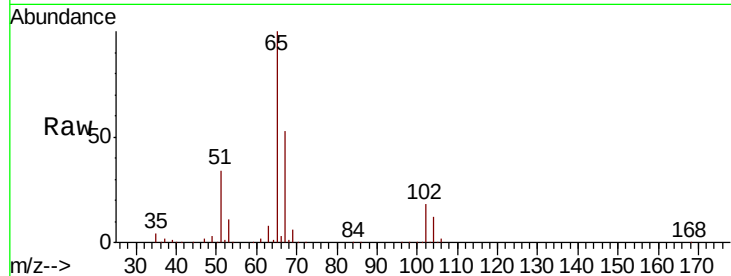
#33
 1,2-Dichloroethane-d4
 Concen: 49.771 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX005428.D
 Acq: 18 Oct 2018 14:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1018WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.5	0.0	106.8

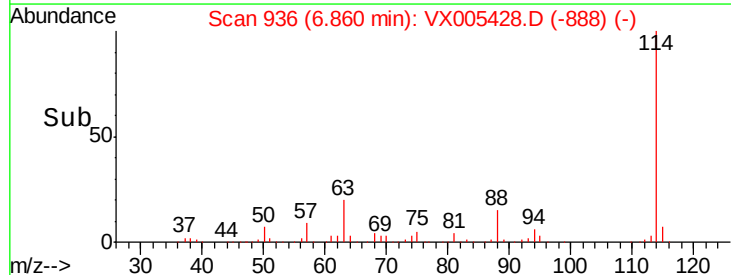
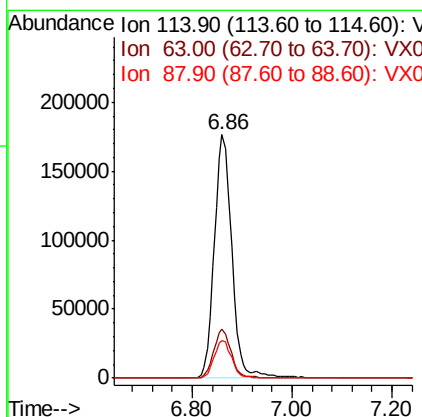
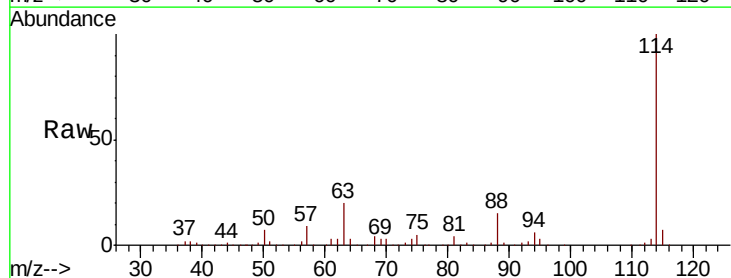
Manual Integrations
 APPROVED

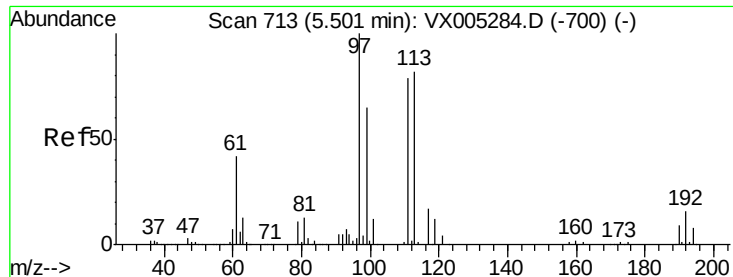
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX005428.D
 Acq: 18 Oct 2018 14:23

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	39.0
88	15.3	0.0	30.4





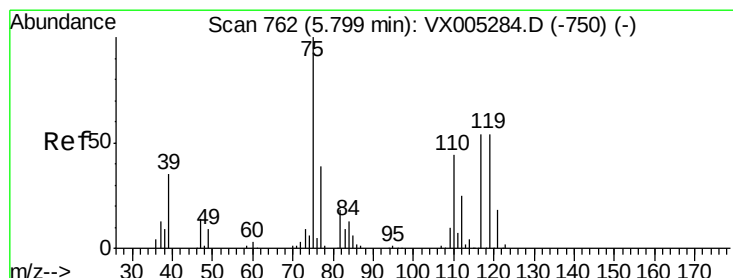
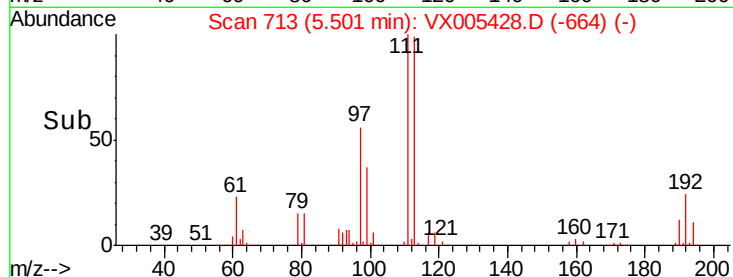
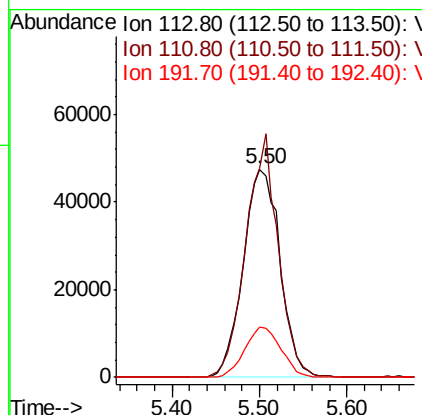
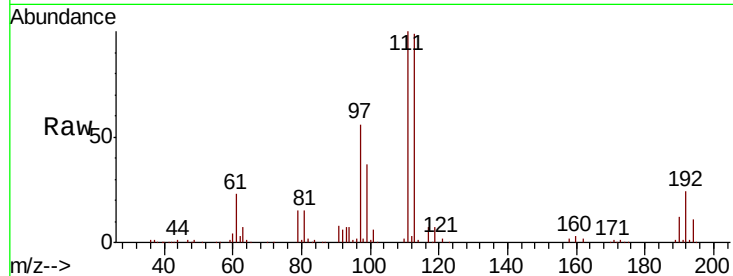
#35
Dibromofluoromethane
Concen: 48.554 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX005428.D
Acq: 18 Oct 2018 14:23

Instrument :
MSVOA_X
ClientSampleId :
VX1018WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	139300		
111	102.4	82.4	123.6	
192	23.8	19.4	29.2	

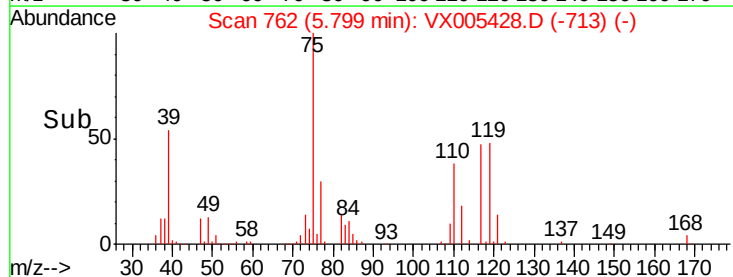
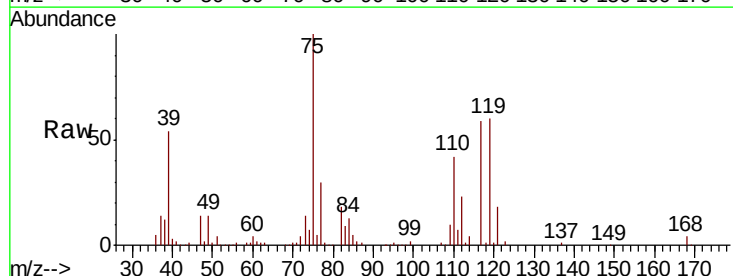
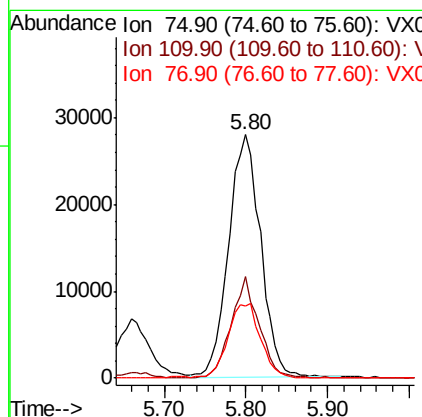
Manual Integrations
APPROVED

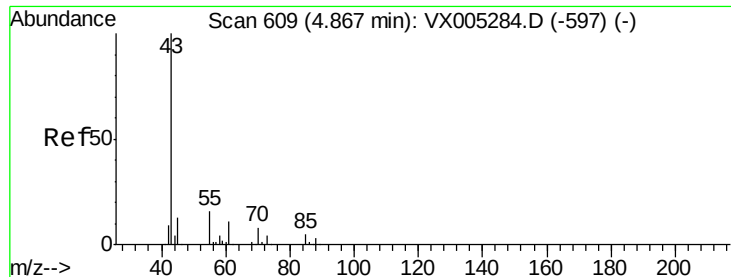
MMDadoda
10/19/2018 1:51:31 PM



#36
1,1-Dichloropropene
Concen: 18.021 ug/l
RT: 5.80 min Scan# 762
Delta R.T. 0.00 min
Lab File: VX005428.D
Acq: 18 Oct 2018 14:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	75601		
110	36.6	18.0	54.0	
77	30.8	24.6	36.8	





#37

Ethyl Acetate

Concen: 18.752 ug/l

RT: 4.85 min Scan# 606

Delta R.T. -0.02 min

Lab File: VX005428.D

Acq: 18 Oct 2018 14:23

Instrument :

MSVOA_X

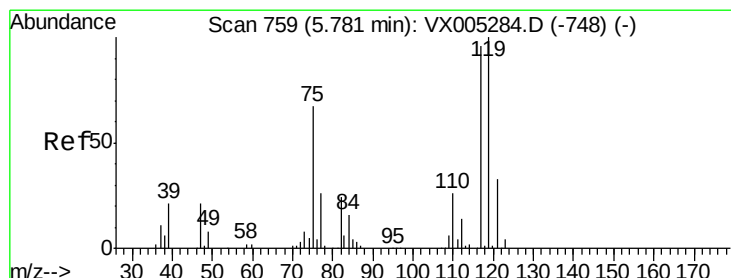
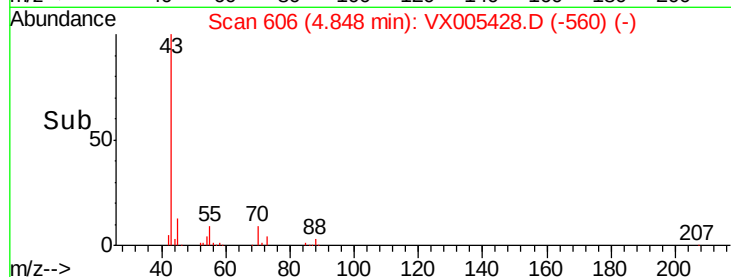
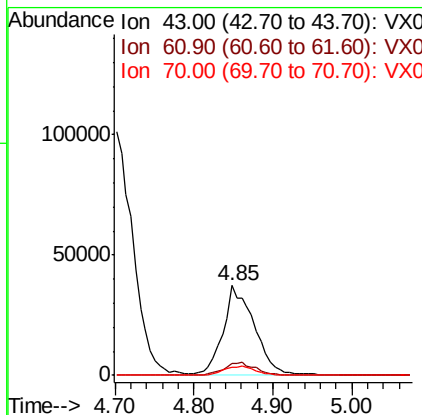
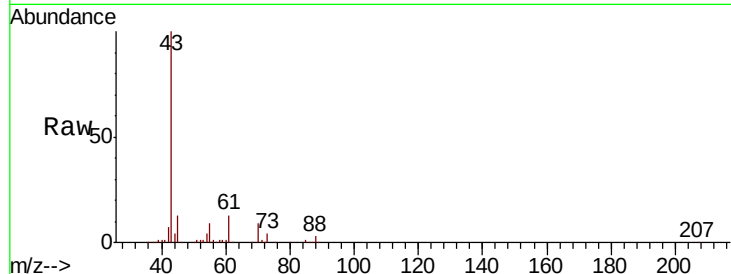
ClientSampleId :

VX1018WBSD01

Tot Ion:	43	Resp:	101169
Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.5	17.3
70	10.7	9.0	13.6

Manual Integrations
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10/19/2018 1:51:31 PM



#38

Carbon Tetrachloride

Concen: 18.013 ug/l

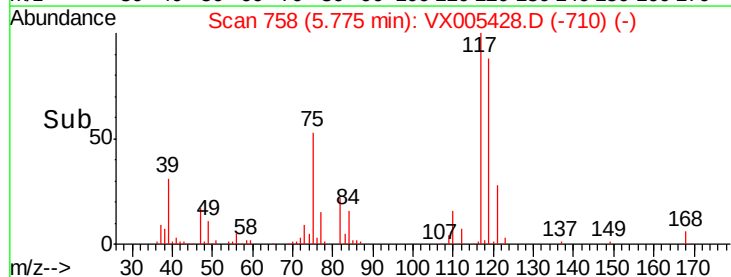
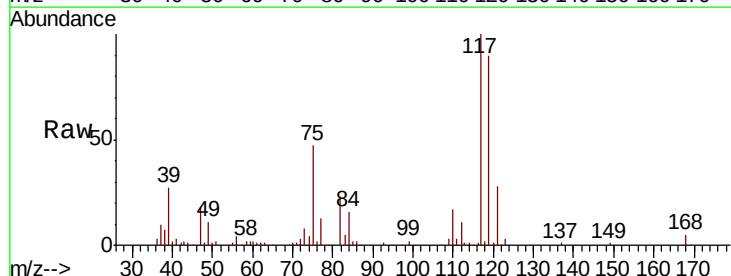
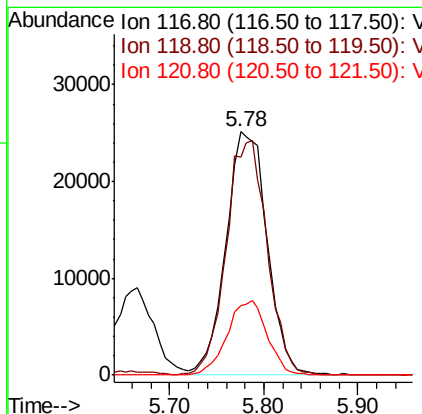
RT: 5.78 min Scan# 758

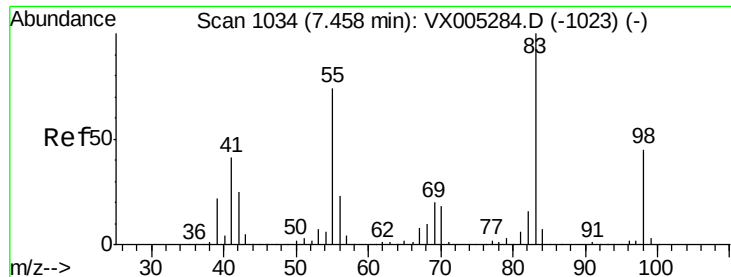
Delta R.T. -0.01 min

Lab File: VX005428.D

Acq: 18 Oct 2018 14:23

Tgt Ion:	117	Resp:	75928
Ion	Ratio	Lower	Upper
117	100		
119	90.1	78.8	118.2
121	28.5	24.9	37.3





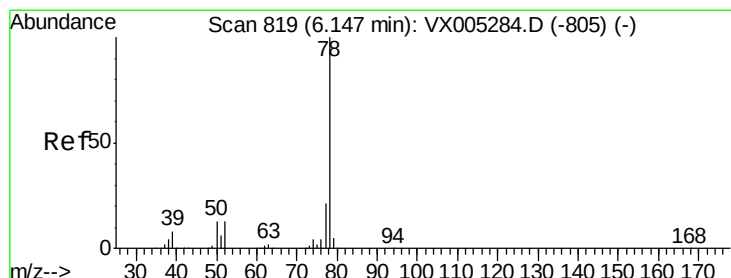
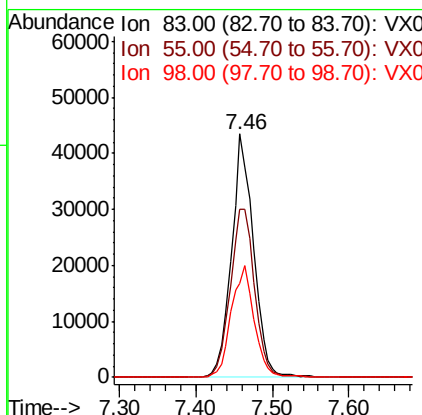
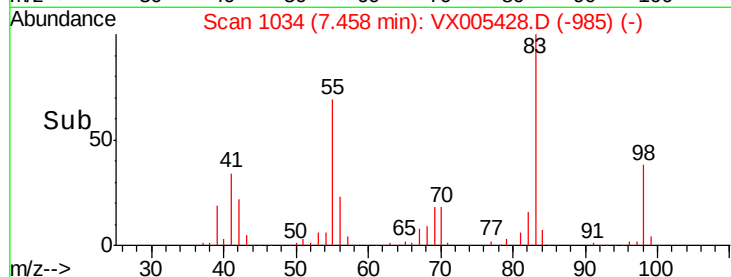
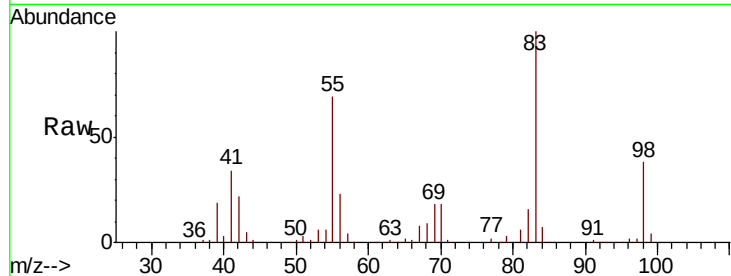
#39
Methylvlcyclohexane
Concen: 19.102 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX005428.D
Acq: 18 Oct 2018 14:23

Instrument :
MSVOA_X
ClientSampleId :
VX1018WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.9	61.0	91.4
98	38.4	39.6	59.4#

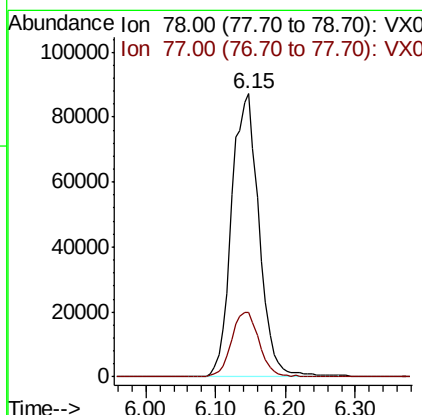
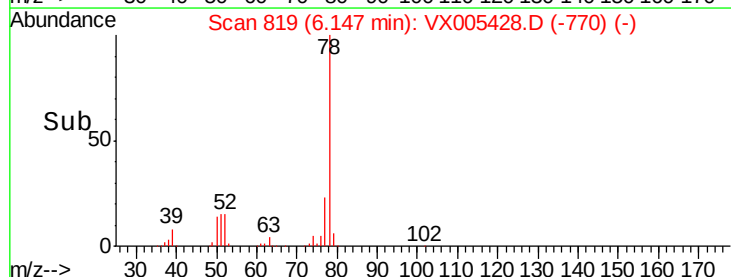
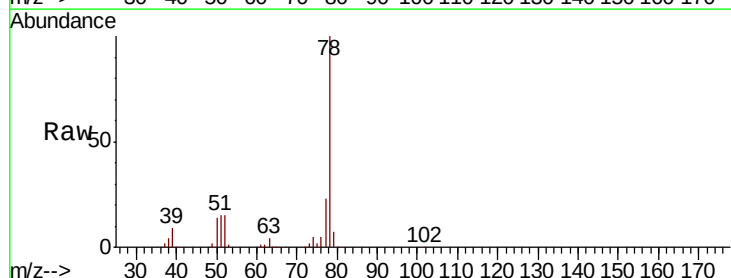
Manual Integrations
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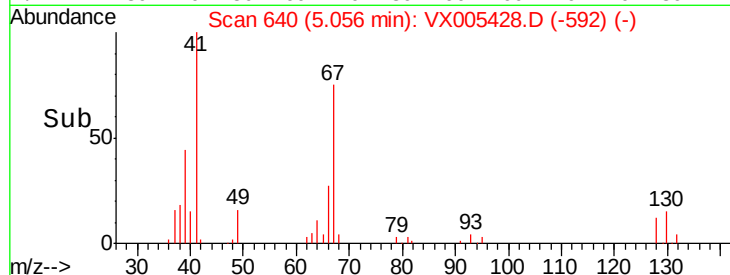
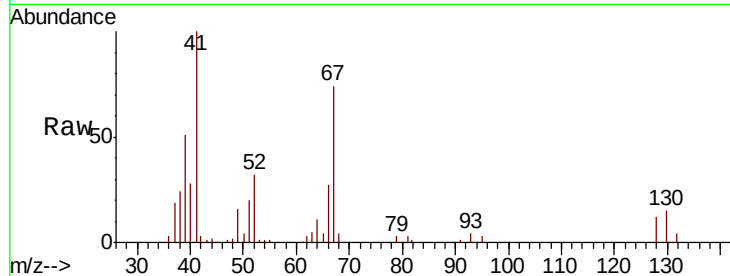
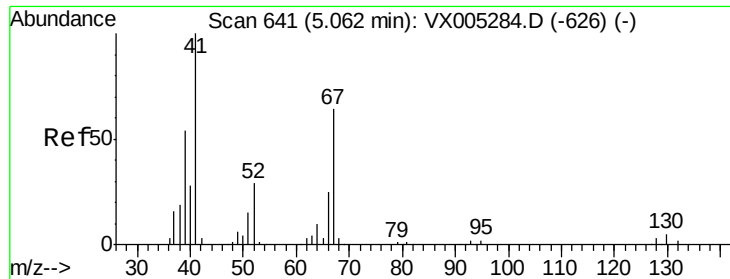
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#40
Benzene
Concen: 18.941 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.00 min
Lab File: VX005428.D
Acq: 18 Oct 2018 14:23

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.0	28.4





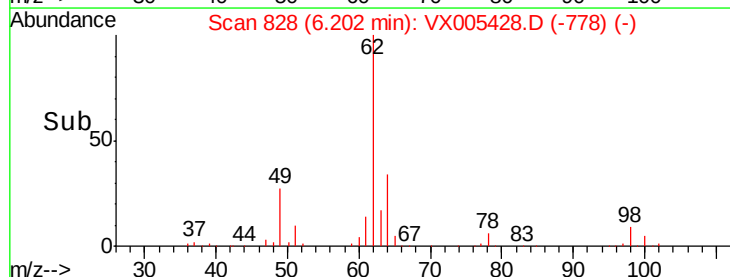
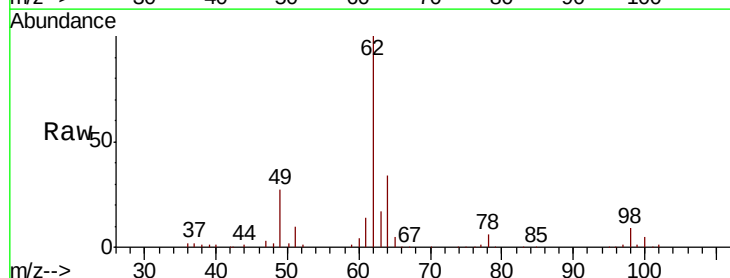
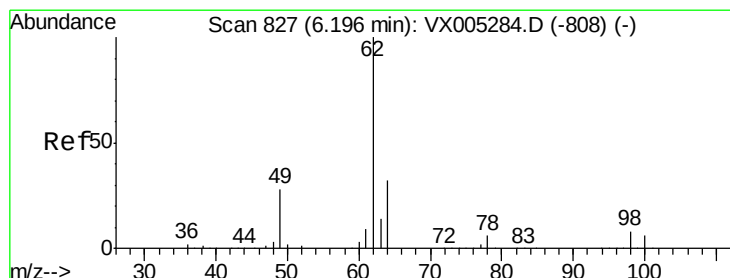
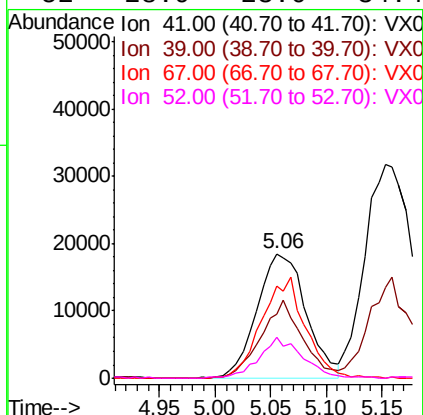
#41
Methacrylonitrile
Concen: 19.739 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.01 min
Lab File: VX005428.D
Acq: 18 Oct 2018 14:23

Tot Ion	Ratio	Lower	Upper
41	100		
39	52.3	42.4	63.6
67	72.5	59.2	88.8
52	28.9	23.0	34.4

Instrument :
MSVOA_X
ClientSampleId :
VX1018WBSD01

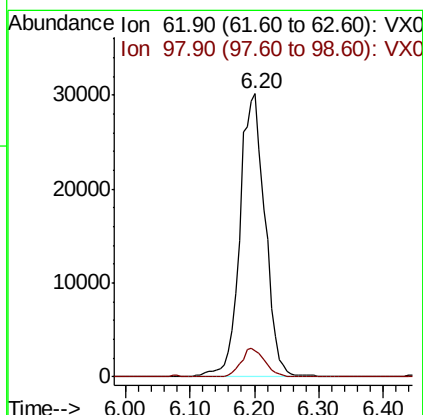
Manual Integrations
APPROVED

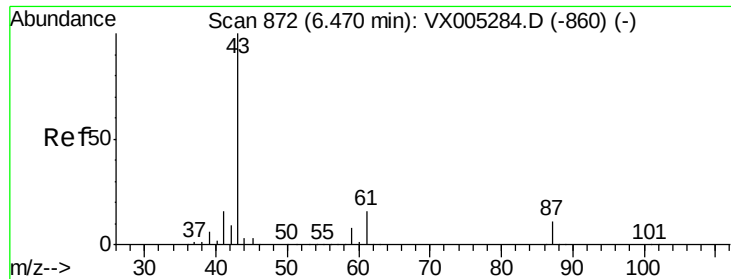
MMDadoda
10/19/2018 1:51:31 PM



#42
1,2-Dichloroethane
Concen: 18.266 ug/l
RT: 6.20 min Scan# 828
Delta R.T. 0.01 min
Lab File: VX005428.D
Acq: 18 Oct 2018 14:23

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	20.6





#43

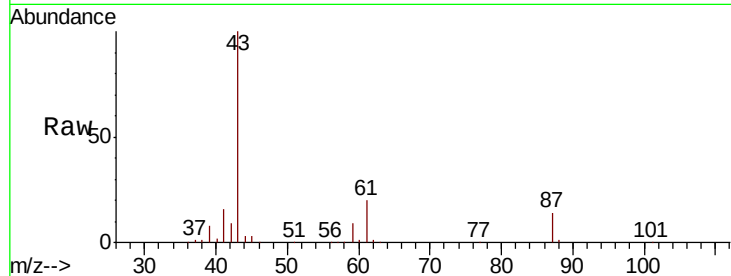
Isopropyl Acetate
 Concen: 20.477 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. -0.01 min
 Lab File: VX005428.D
 Acq: 18 Oct 2018 14:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1018WBSD01

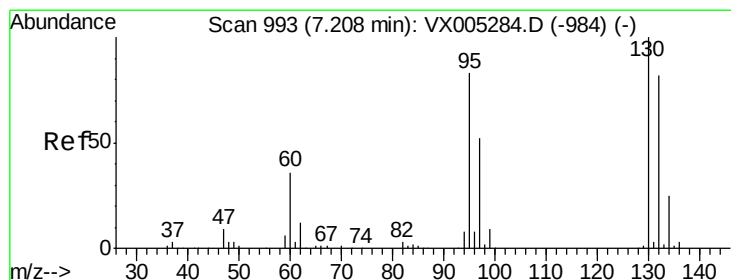
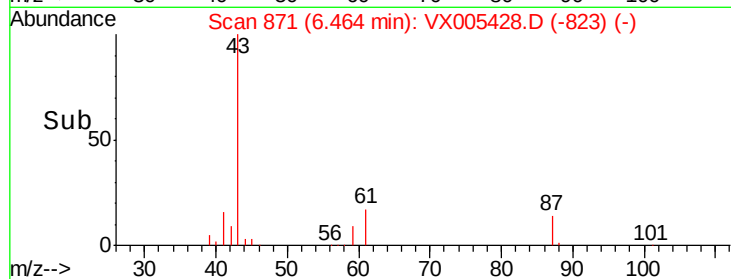
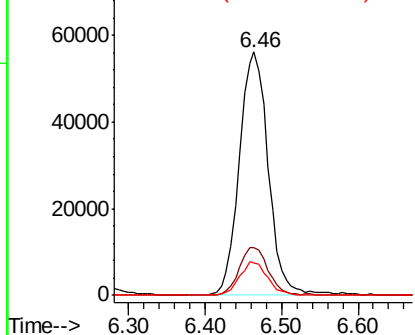
Tot Ion	Ratio	Lower	Upper
43	100		
61	20.2	17.0	25.4
87	13.4	11.4	17.2

Manual Integrations
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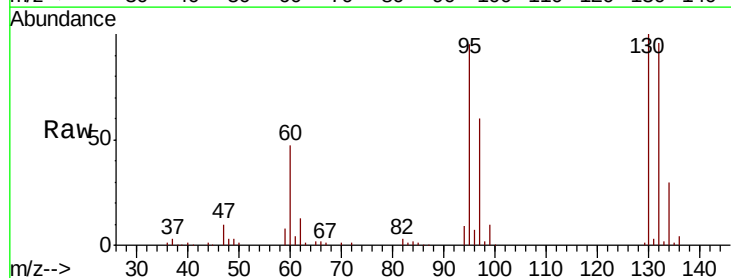
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



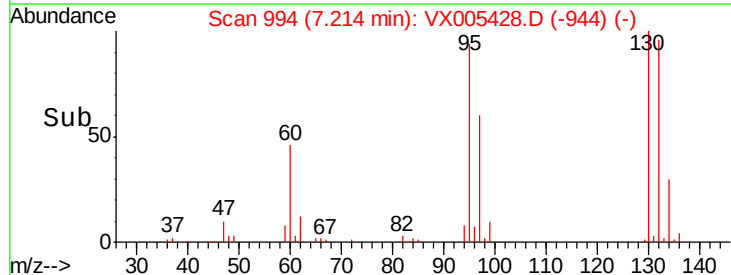
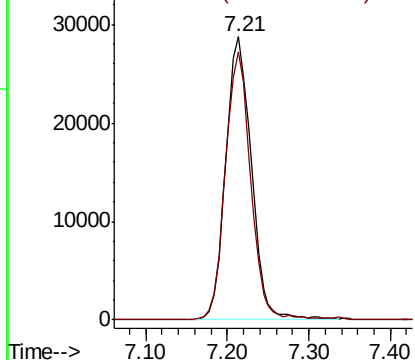
#44

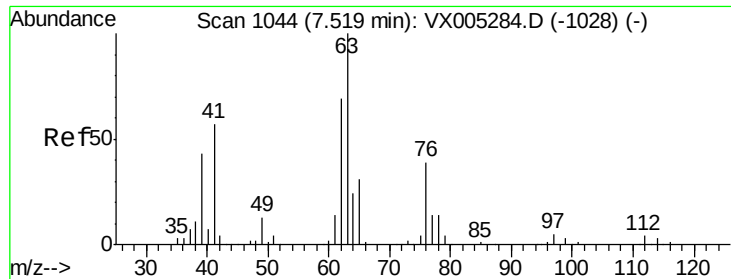
Trichloroethene
 Concen: 19.070 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VX005428.D
 Acq: 18 Oct 2018 14:23

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.7	0.0	181.6



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0





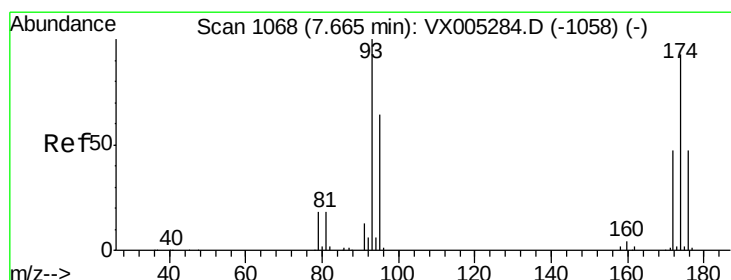
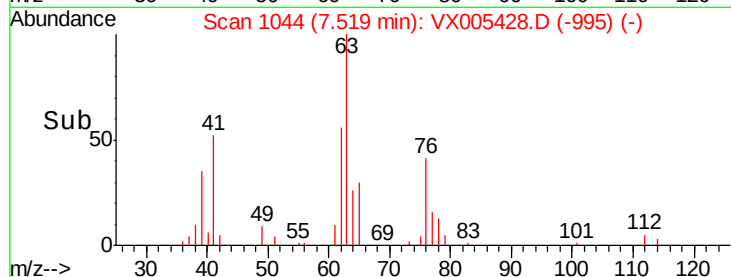
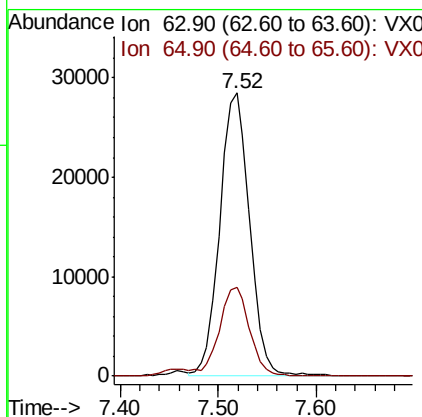
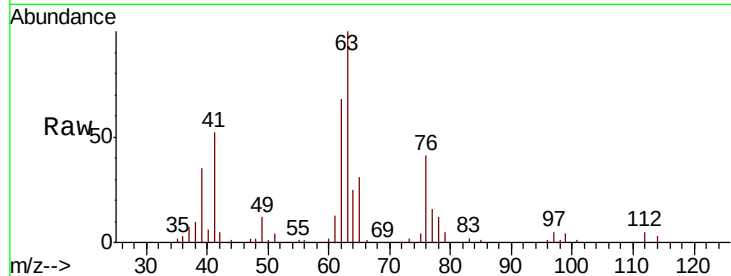
#45
 1,2-Dichloropropane
 Concen: 19.321 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. 0.00 min
 Lab File: VX005428.D
 Acq: 18 Oct 2018 14:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1018WBSD01

Tot Ion: 63 Resp: 59643
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.3 36.5

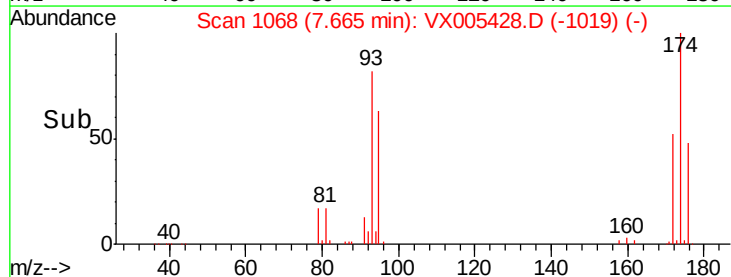
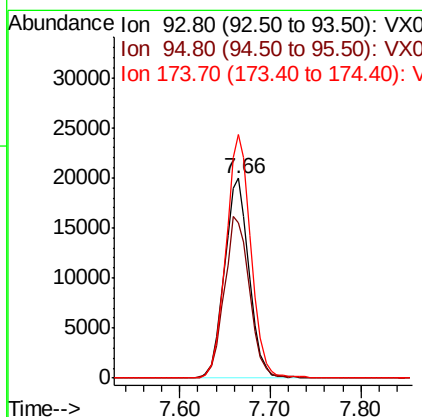
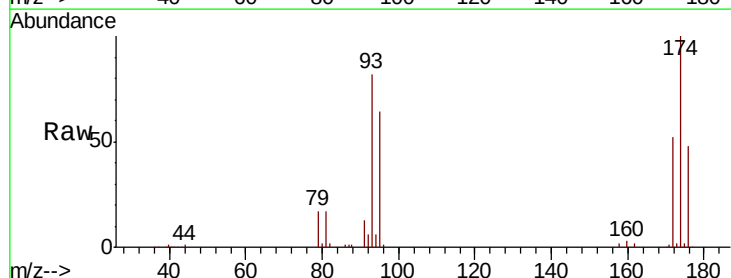
Manual Integrations
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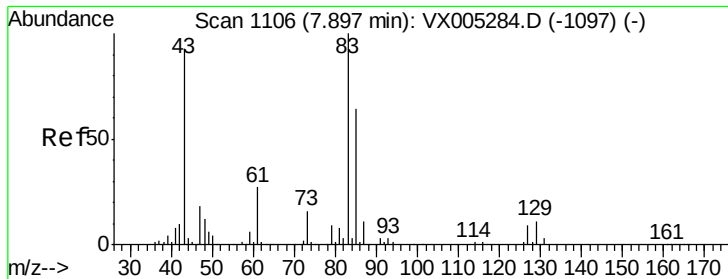
MMDadoda
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#46
 Dibromomethane
 Concen: 18.663 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VX005428.D
 Acq: 18 Oct 2018 14:23

Tgt Ion: 93 Resp: 38025
 Ion Ratio Lower Upper
 93 100
 95 82.8 65.5 98.3
 174 122.6 94.2 141.4





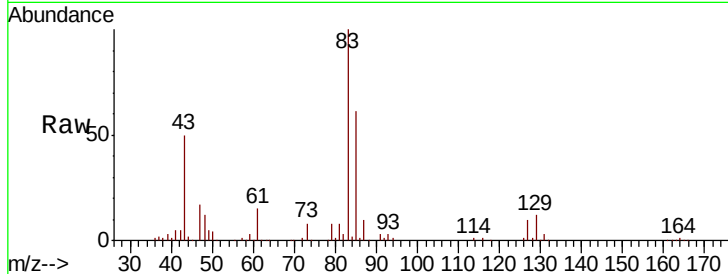
#47
 Bromodichloromethane
 Concen: 19.217 ug/l
 RT: 7.90 min Scan# 1107
 Delta R.T. 0.01 min
 Lab File: VX005428.D
 Acq: 18 Oct 2018 14:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1018WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
85	61.3	50.9	76.3
127	9.5	7.3	10.9

Manual Integrations
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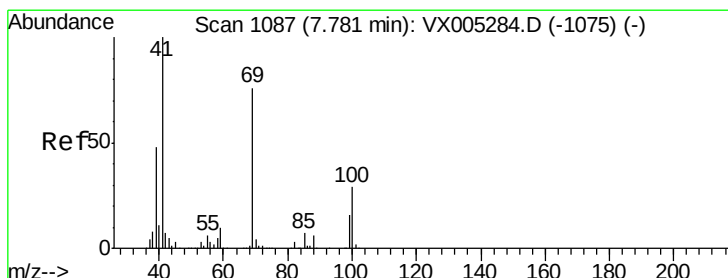
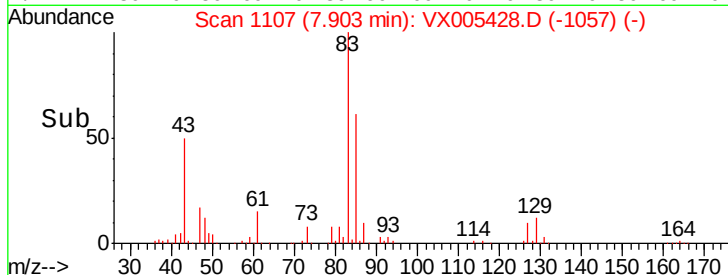
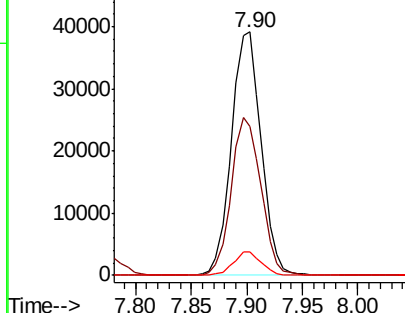


Abundance

Ion 82.90 (82.60 to 83.60): VX0

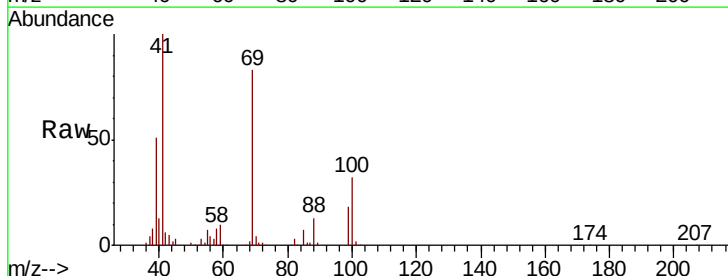
Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48
 Methyl methacrylate
 Concen: 19.518 ug/l
 RT: 7.77 min Scan# 1086
 Delta R.T. -0.01 min
 Lab File: VX005428.D
 Acq: 18 Oct 2018 14:23

Tgt Ion	Ratio	Lower	Upper
41	100		
69	83.1	70.2	105.4
39	51.2	42.7	64.1

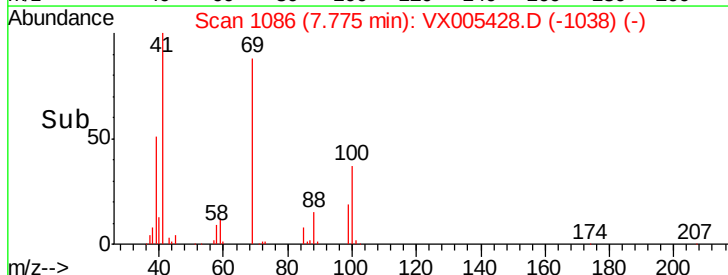
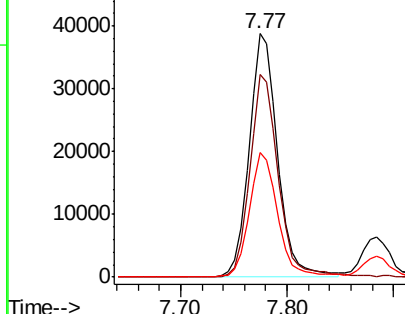


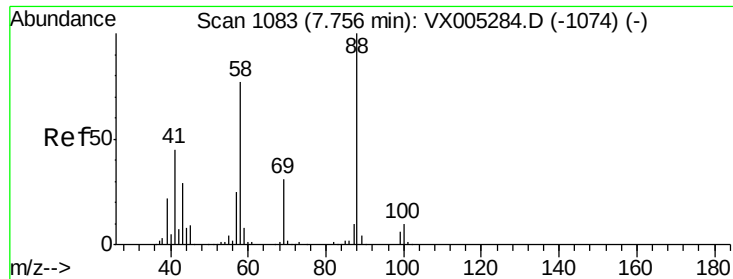
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





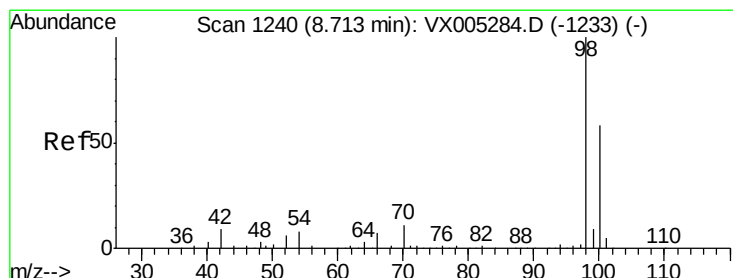
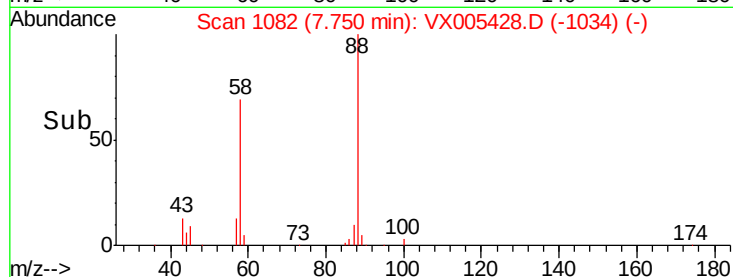
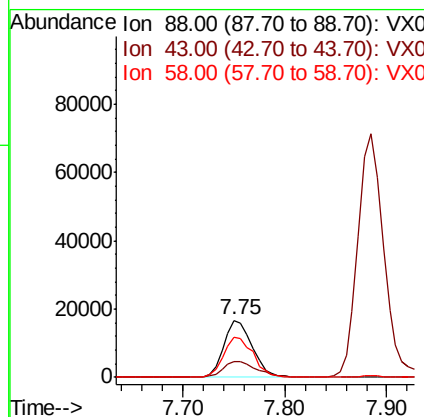
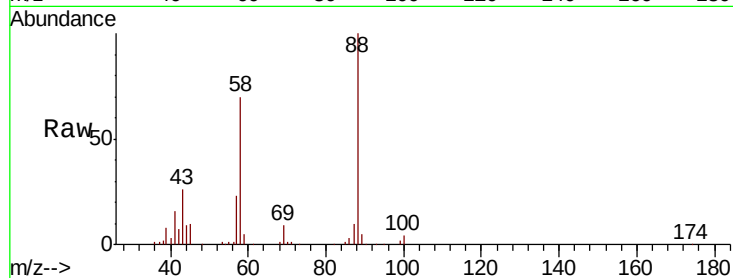
#49
1,4-Dioxane
Concen: 378.179 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX005428.D
Acq: 18 Oct 2018 14:23

Instrument :
MSVOA_X
ClientSampleId :
VX1018WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.6	24.7	37.1
58	73.5	55.3	82.9

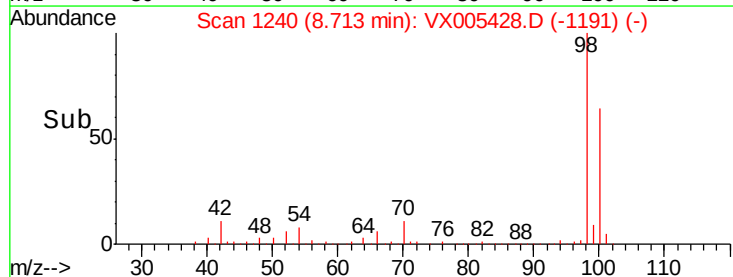
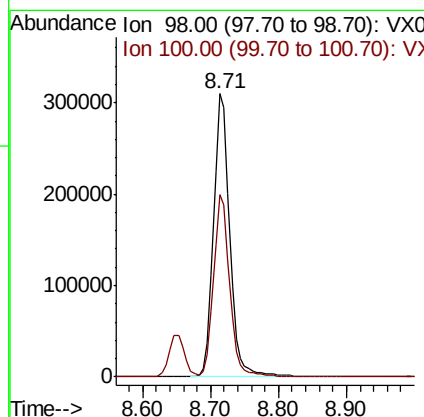
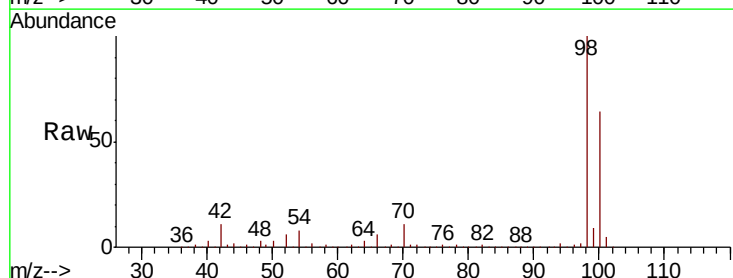
Manual Integrations
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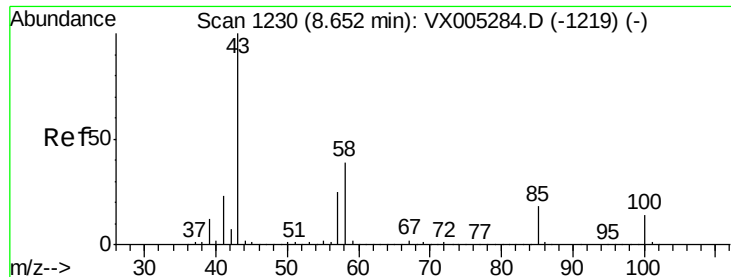
MMDadoda
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#50
Toluene-d8
Concen: 52.162 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX005428.D
Acq: 18 Oct 2018 14:23

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 101.397 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VX005428.D

Acq: 18 Oct 2018 14:23

Instrument :

MSVOA_X

ClientSampleId :

VX1018WBSD01

Tot Ion: 43 Resp: 504575

Ion Ratio Lower Upper

43 100

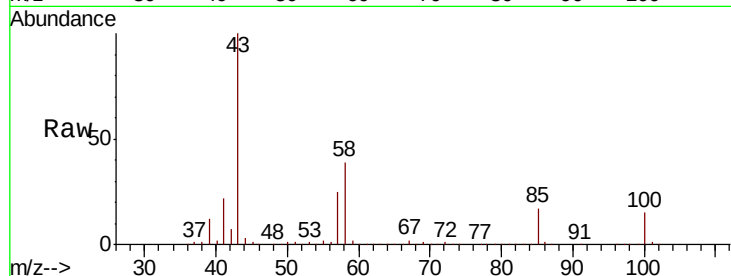
58 38.6 33.1 49.7

Manual Integrations

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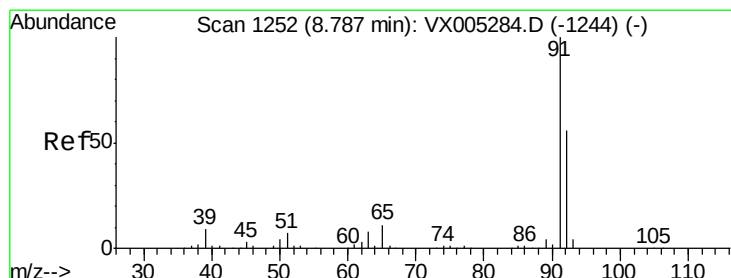
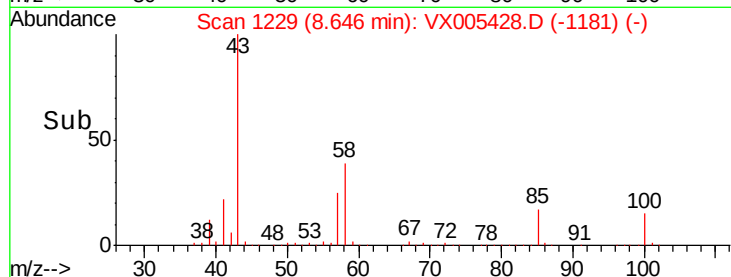
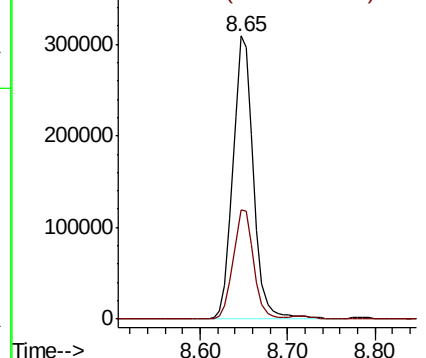
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 20.505 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX005428.D

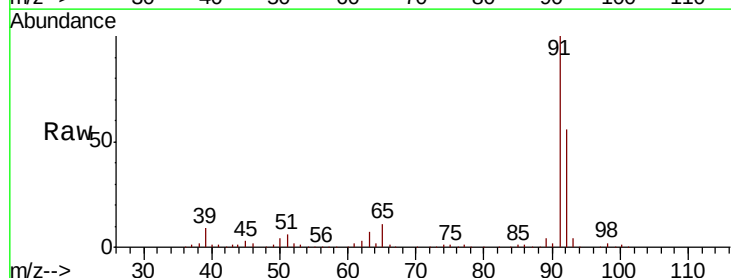
Acq: 18 Oct 2018 14:23

Tgt Ion: 92 Resp: 141175

Ion Ratio Lower Upper

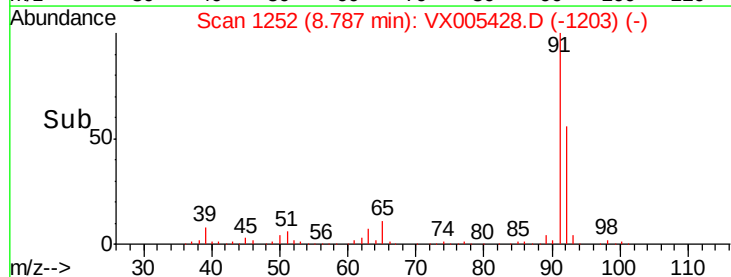
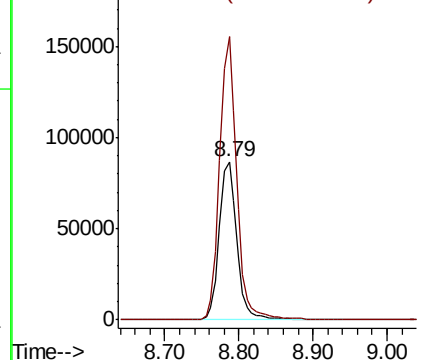
92 100

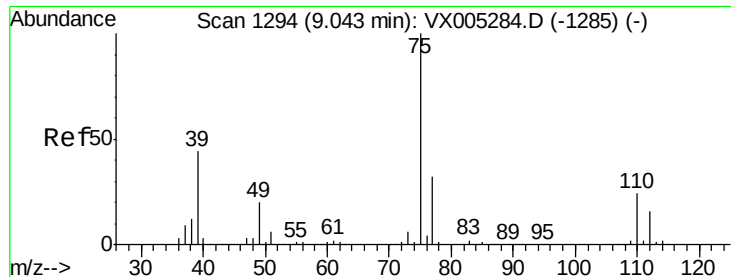
91 174.7 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





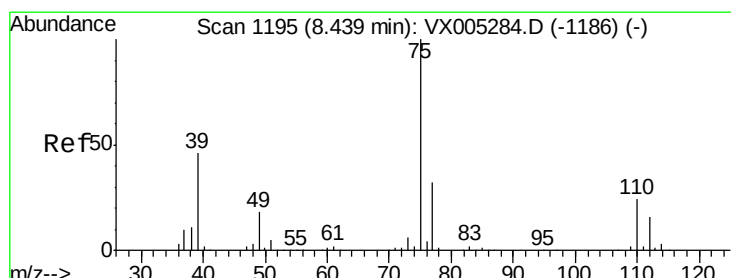
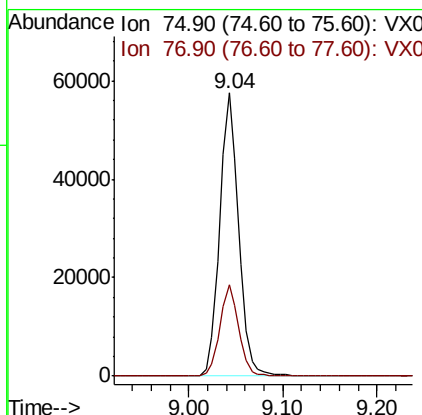
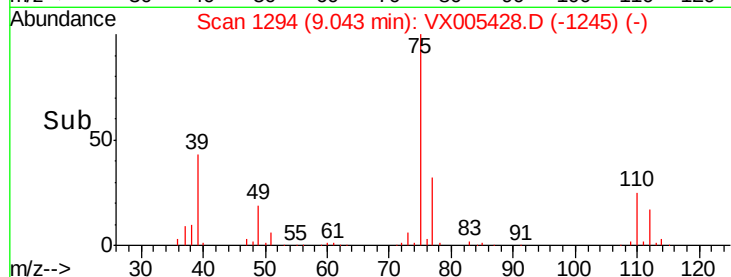
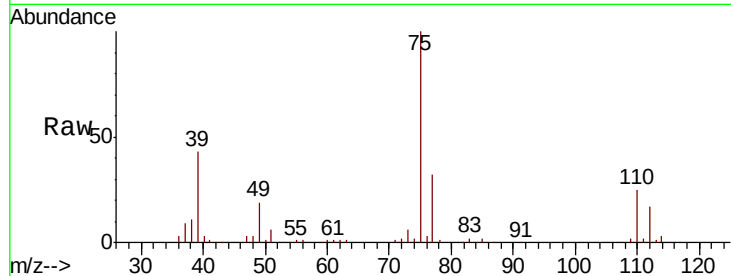
#53
t-1,3-Dichloropropene
Concen: 19.608 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX005428.D
Acq: 18 Oct 2018 14:23

Instrument :
MSVOA_X
ClientSampleId :
VX1018WBSD01

Tot Ion: 75 Resp: 79971
Ion Ratio Lower Upper
75 100
77 32.3 24.6 37.0

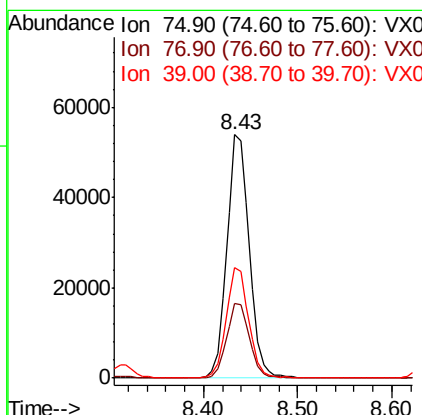
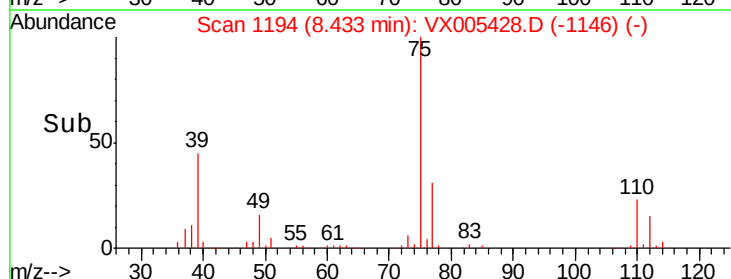
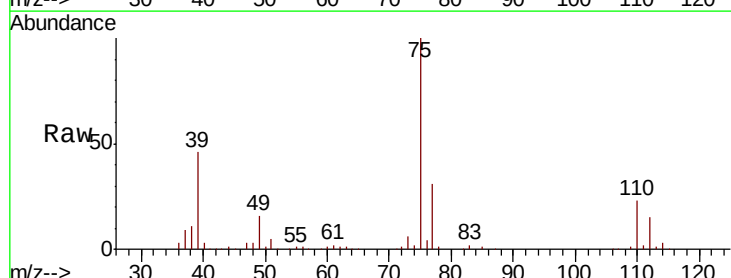
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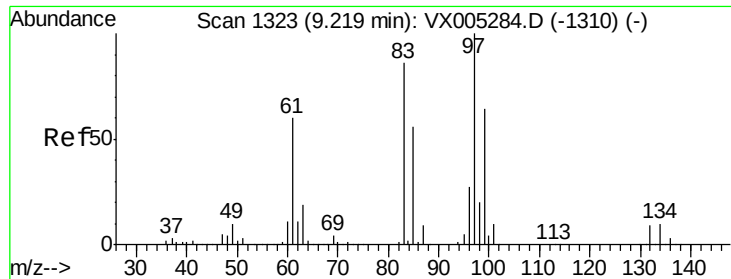
MMDadoda
10/19/2018 1:51:31 PM



#54
cis-1,3-Dichloropropene
Concen: 20.049 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.01 min
Lab File: VX005428.D
Acq: 18 Oct 2018 14:23

Tgt Ion: 75 Resp: 88603
Ion Ratio Lower Upper
75 100
77 30.7 26.2 39.2
39 45.4 36.4 54.6





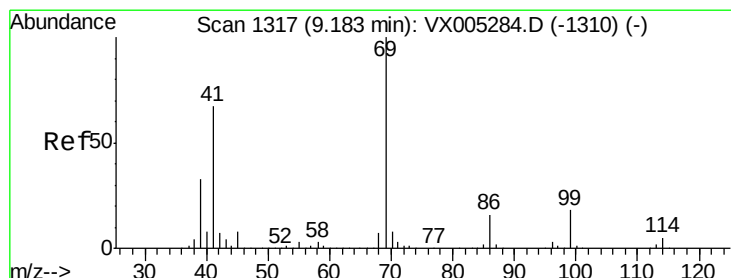
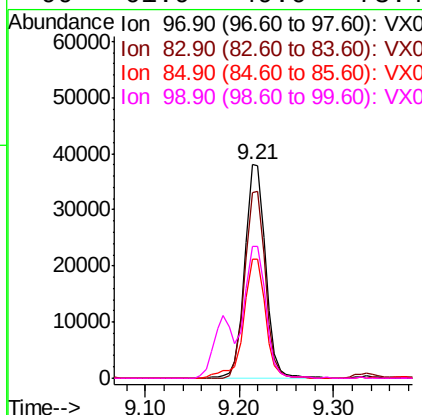
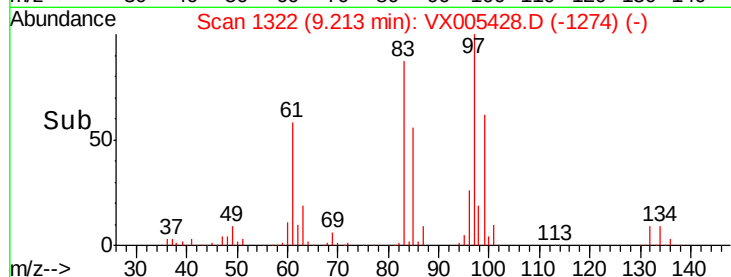
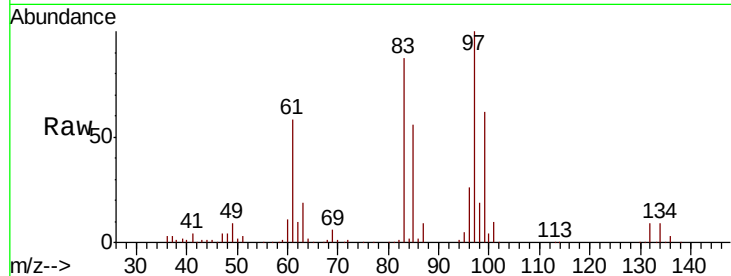
#55
 1,1,2-Trichloroethane
 Concen: 20.176 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: VX005428.D
 Acq: 18 Oct 2018 14:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1018WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		58838		
83	87.2	66.4	99.6		
85	55.7	43.3	64.9		
99	61.9	49.0	73.4		

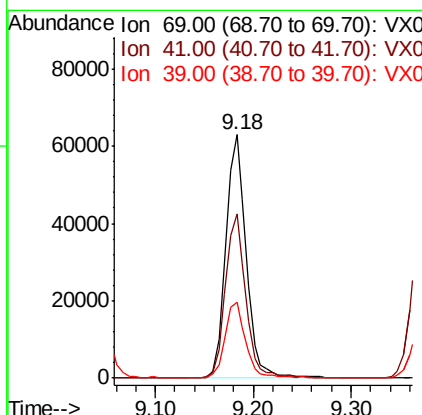
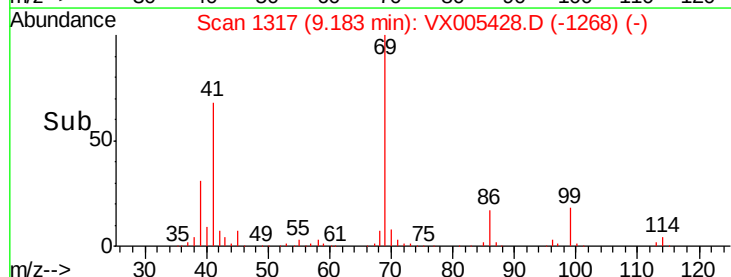
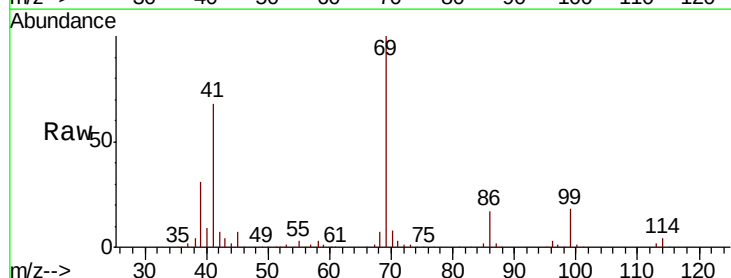
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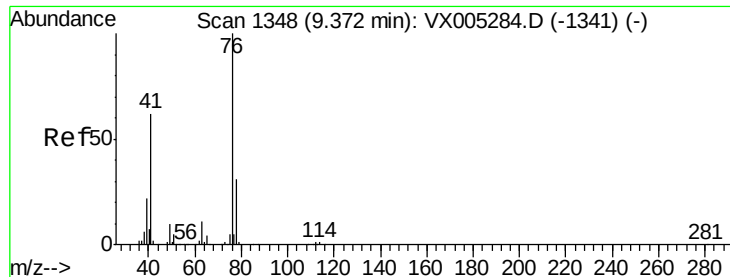
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 10/19/2018 1:51:31 PM



#56
 Ethyl methacrylate
 Concen: 21.334 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX005428.D
 Acq: 18 Oct 2018 14:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		90694		
41	67.6	51.0	76.4		
39	31.6	26.1	39.1		





#57

1,3-Dichloropropane

Concen: 20.298 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX005428.D

Acq: 18 Oct 2018 14:23

Instrument :

MSVOA_X

ClientSampleId :

VX1018WBSD01

Tot Ion: 76 Resp: 98797

Ion Ratio Lower Upper

76 100

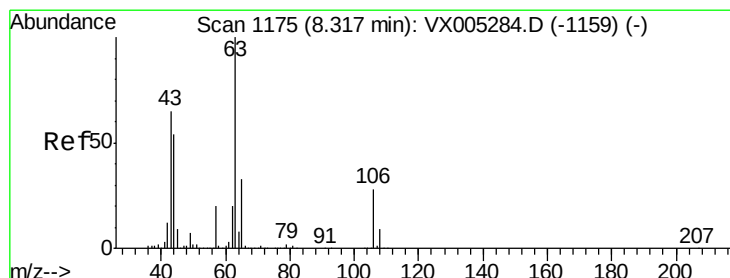
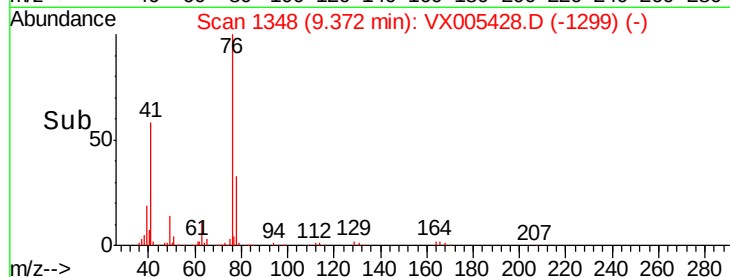
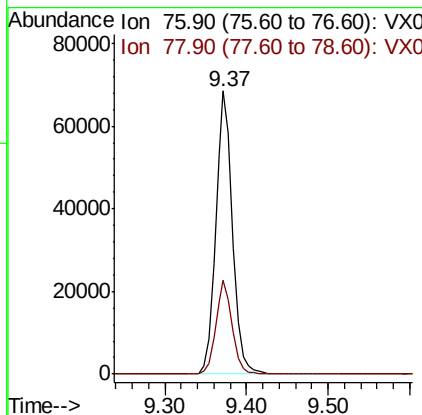
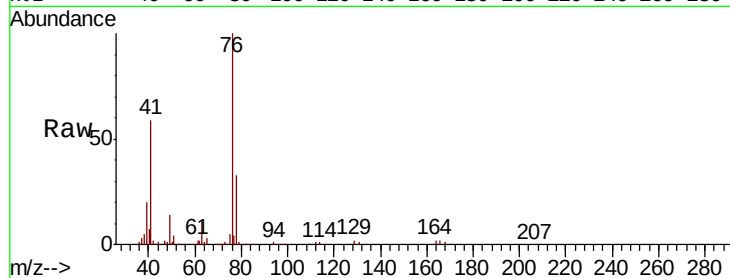
78 32.2 25.5 38.3

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 106.087 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.01 min

Lab File: VX005428.D

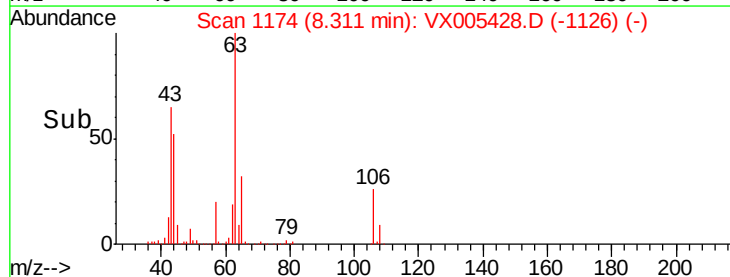
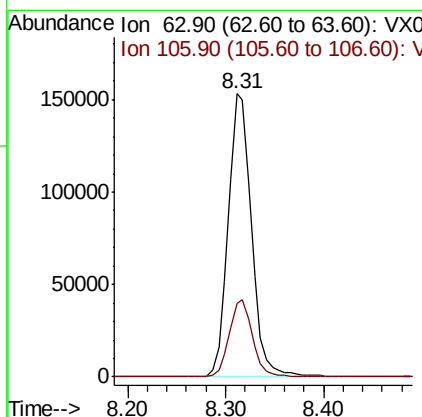
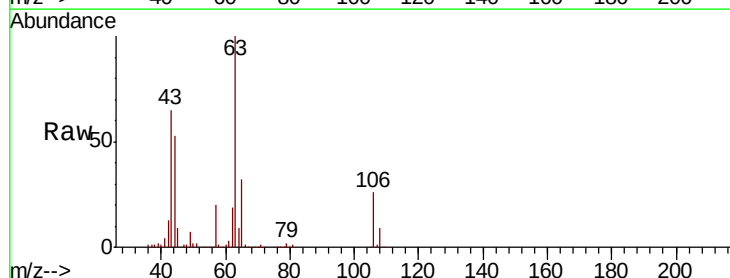
Acq: 18 Oct 2018 14:23

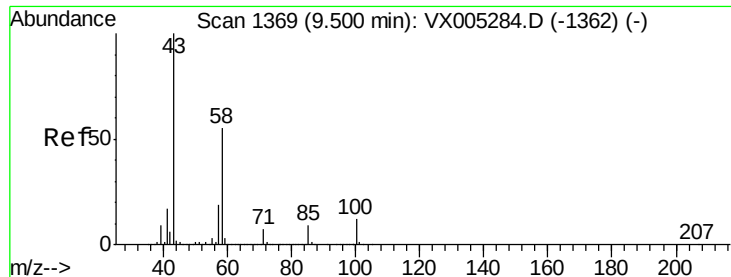
Tgt Ion: 63 Resp: 252927

Ion Ratio Lower Upper

63 100

106 27.4 23.9 35.9





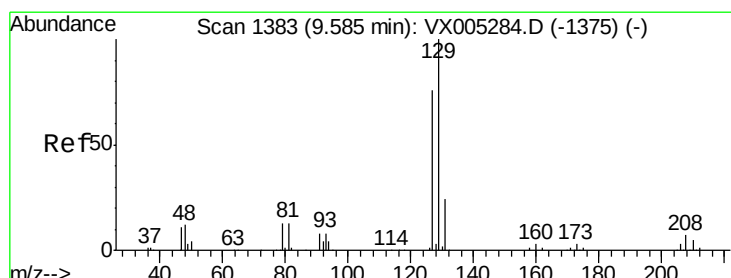
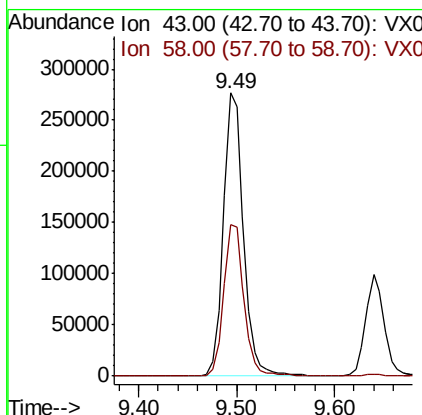
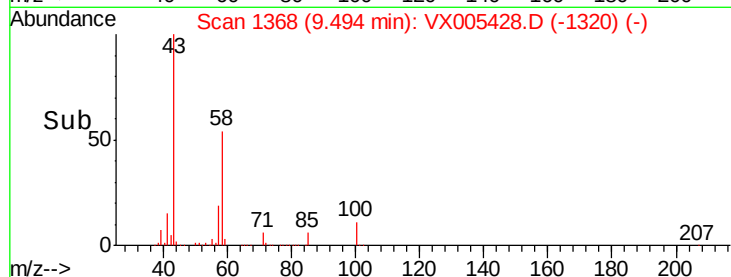
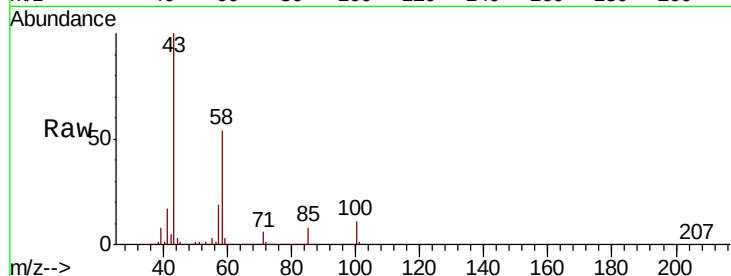
#59
2-Hexanone
Concen: 98.349 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX005428.D
Acq: 18 Oct 2018 14:23

Instrument :
MSVOA_X
ClientSampleId :
VX1018WBSD01

Tot Ion: 43 Resp: 393683
Ion Ratio Lower Upper
43 100
58 54.4 29.0 87.0

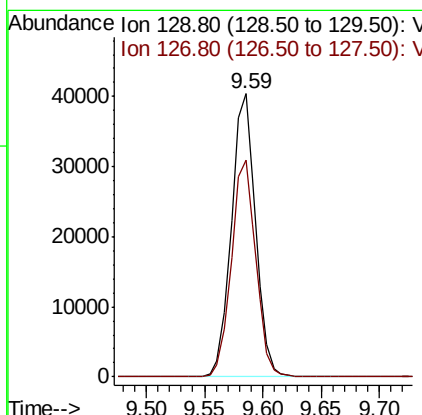
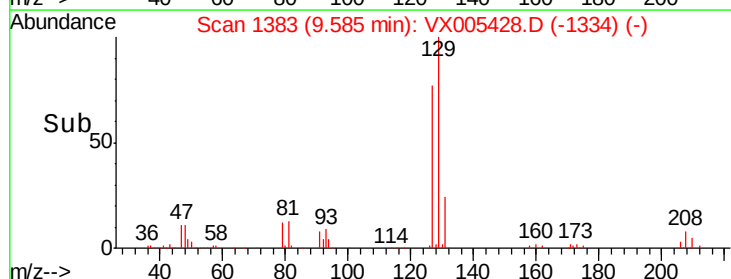
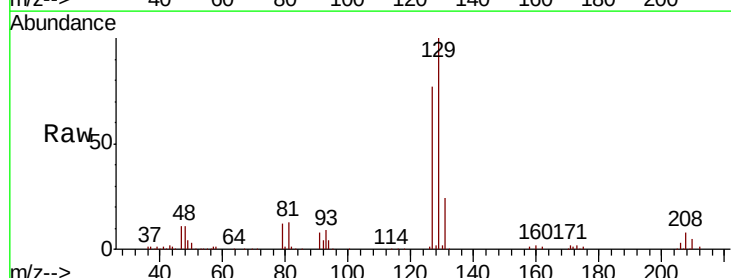
Manual Integrations
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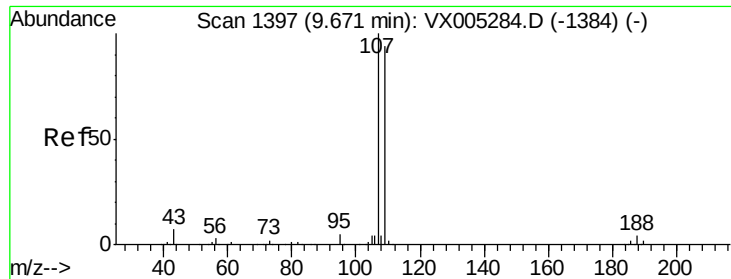
MMDadoda
10/19/2018 1:51:31 PM



#60
Dibromochloromethane
Concen: 19.428 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX005428.D
Acq: 18 Oct 2018 14:23

Tgt Ion: 129 Resp: 58562
Ion Ratio Lower Upper
129 100
127 77.4 38.5 115.5





#61

1,2-Dibromoethane

Concen: 20.113 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX005428.D

Acq: 18 Oct 2018 14:23

Instrument :

MSVOA_X

ClientSampleId :

VX1018WBSD01

Tot Ion:107 Resp: 61556

Ion Ratio Lower Upper

107 100

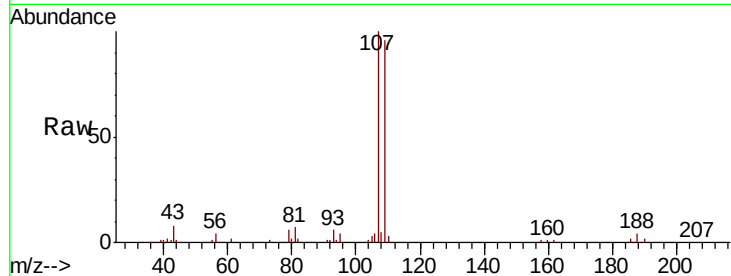
109 94.5 76.0 114.0

Manual Integrations

APPROVED

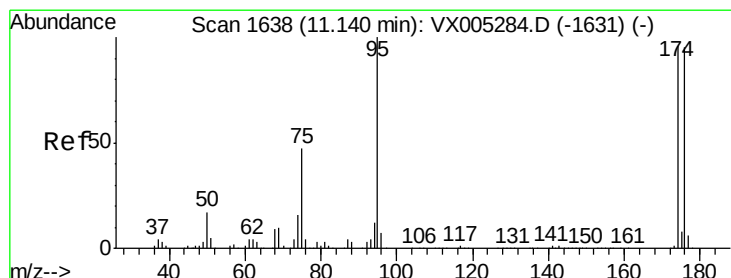
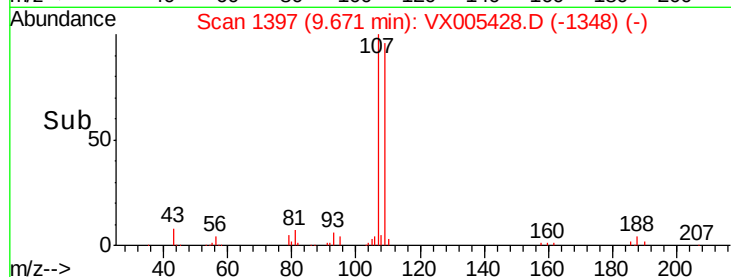
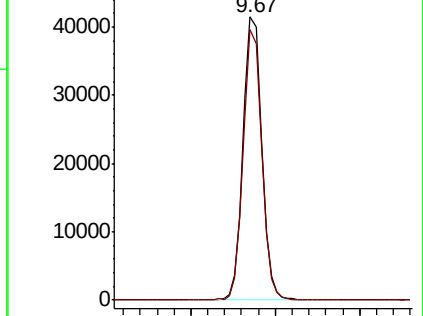
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.059 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX005428.D

Acq: 18 Oct 2018 14:23

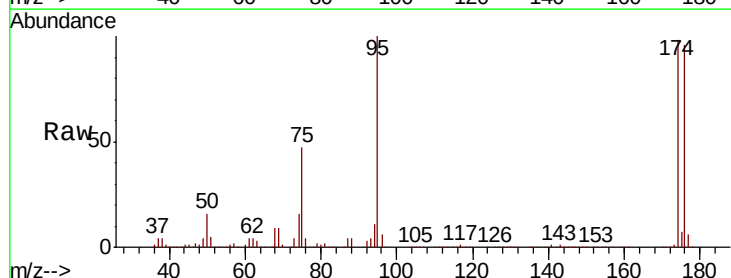
Tgt Ion: 95 Resp: 188919

Ion Ratio Lower Upper

95 100

174 94.4 0.0 185.2

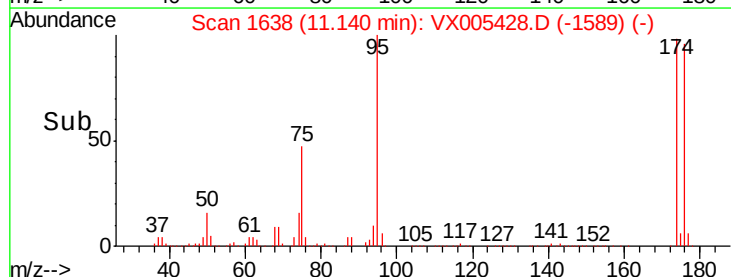
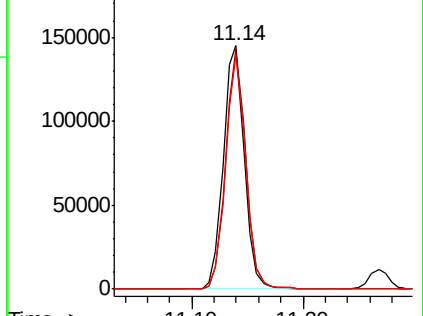
176 91.8 0.0 178.6

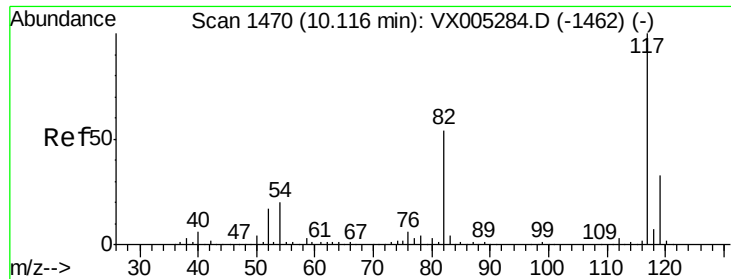


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





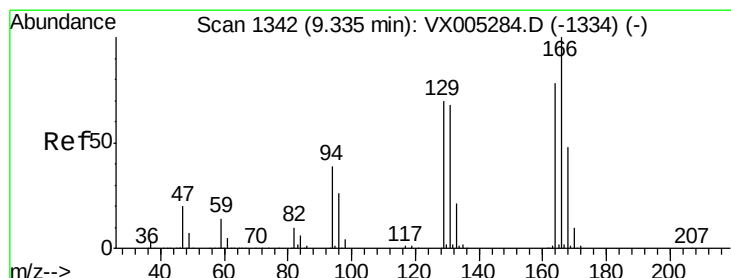
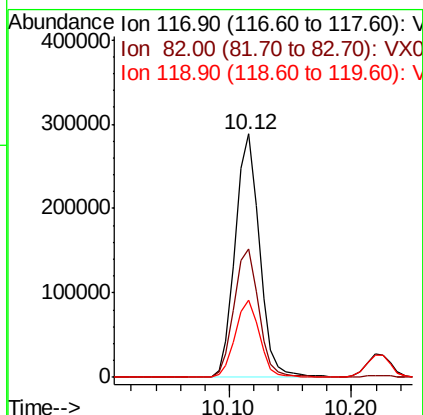
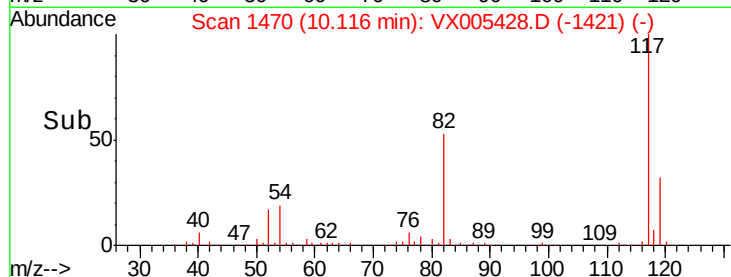
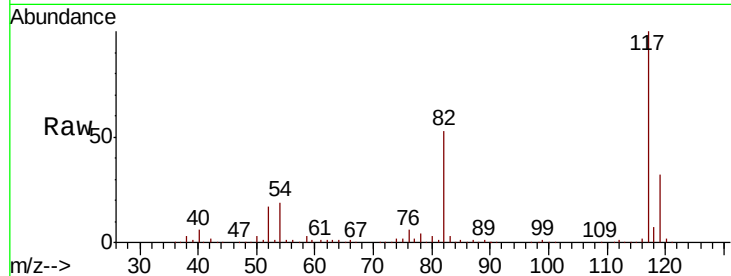
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005428.D
Acq: 18 Oct 2018 14:23

Instrument :
MSVOA_X
ClientSampleId :
VX1018WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.9	47.8	71.6
119	31.8	29.3	43.9

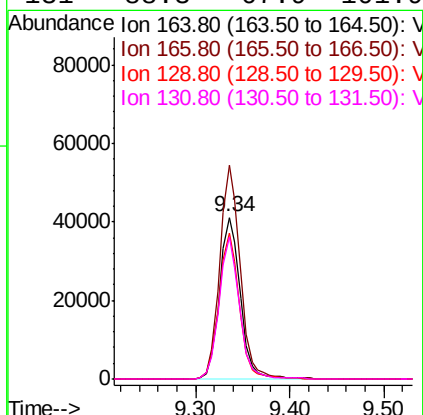
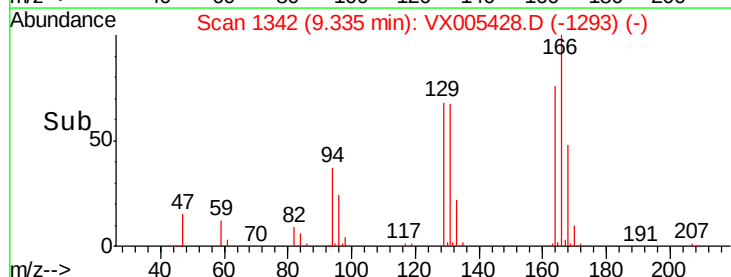
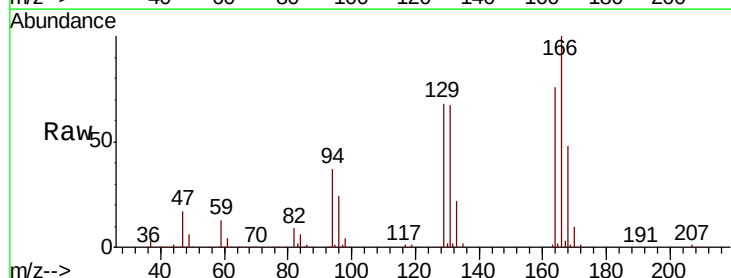
Manual Integrations
APPROVED

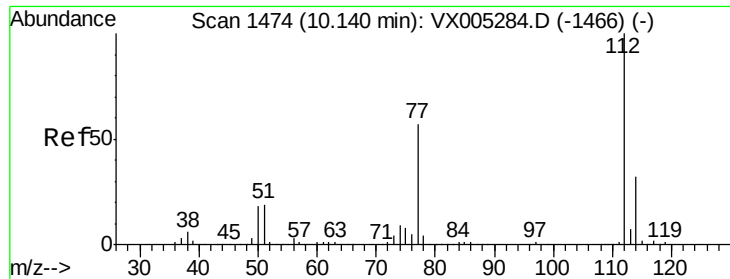
MMDadoda
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#64
Tetrachloroethene
Concen: 19.843 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX005428.D
Acq: 18 Oct 2018 14:23

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.3	102.8	154.2
129	90.2	69.4	104.0
131	88.3	67.9	101.9





#65

Chlorobenzene

Concen: 19.052 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX005428.D

Acq: 18 Oct 2018 14:23

Instrument :

MSVOA_X

ClientSampleId :

VX1018WBSD01

Tot Ion:112 Resp: 160399

Ion Ratio Lower Upper

112 100

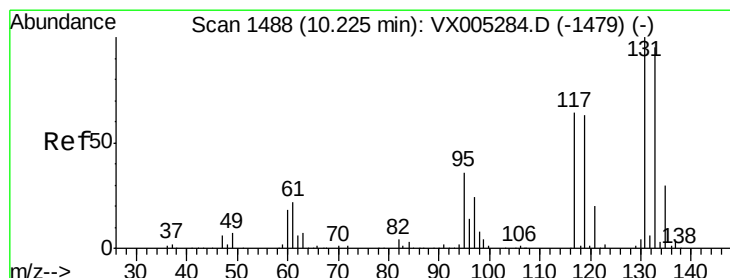
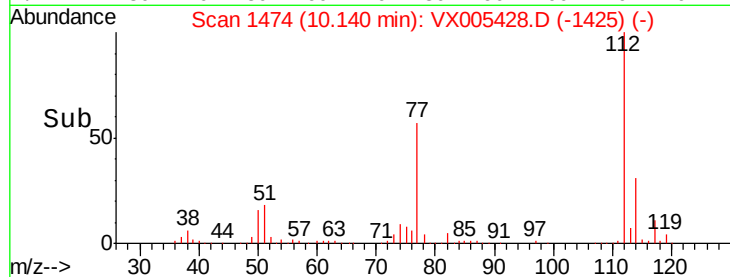
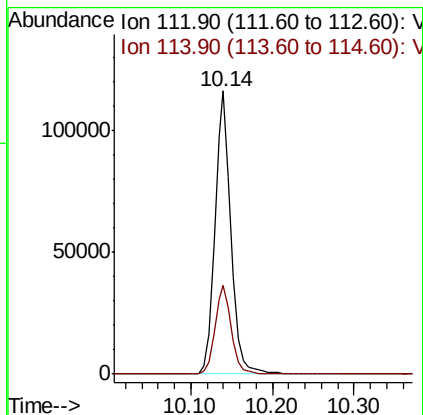
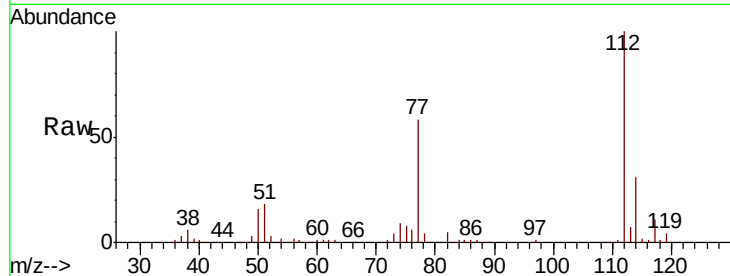
114 31.4 27.8 41.8

Manual Integrations

APPROVED

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#66

1,1,1,2-Tetrachloroethane

Concen: 19.391 ug/l

RT: 10.23 min Scan# 1488

Delta R.T. 0.00 min

Lab File: VX005428.D

Acq: 18 Oct 2018 14:23

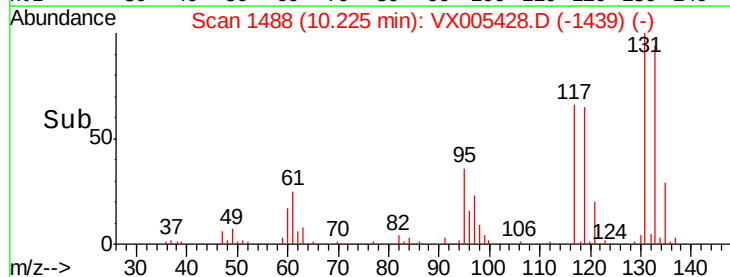
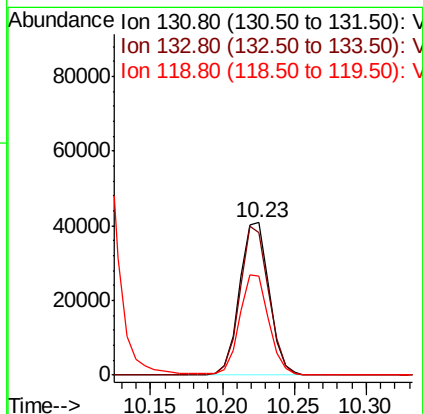
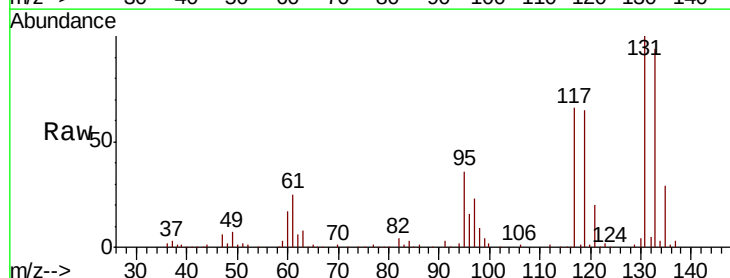
Tgt Ion:131 Resp: 58177

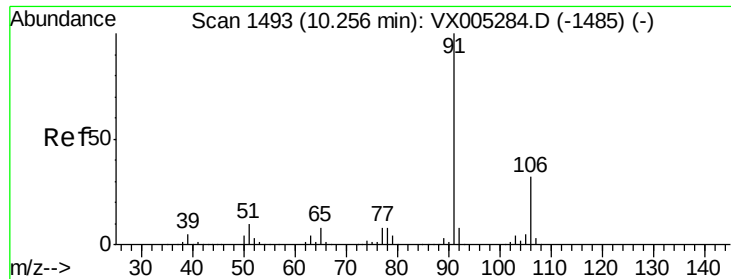
Ion Ratio Lower Upper

131 100

133 95.0 48.1 144.4

119 64.8 32.9 98.6





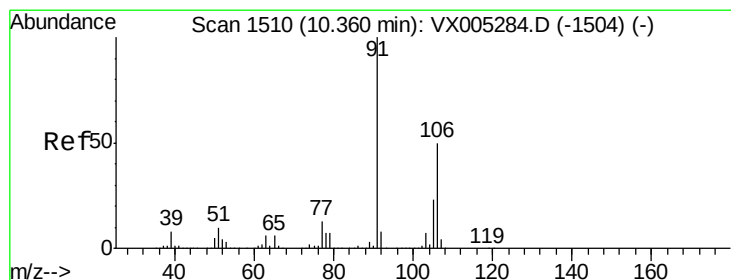
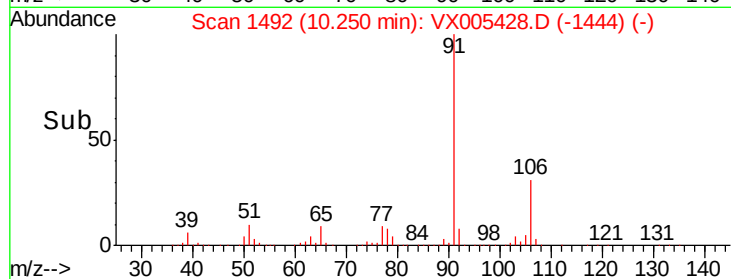
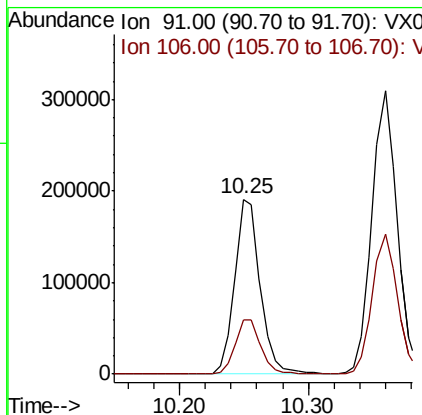
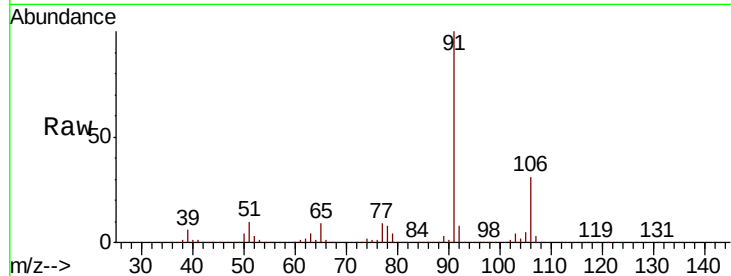
#67
Ethyl Benzene
Concen: 19.374 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VX005428.D
Acq: 18 Oct 2018 14:23

Instrument :
MSVOA_X
ClientSampleId :
VX1018WBSD01

Tot Ion: 91 Resp: 265164
Ion Ratio Lower Upper
91 100
106 30.7 25.9 38.9

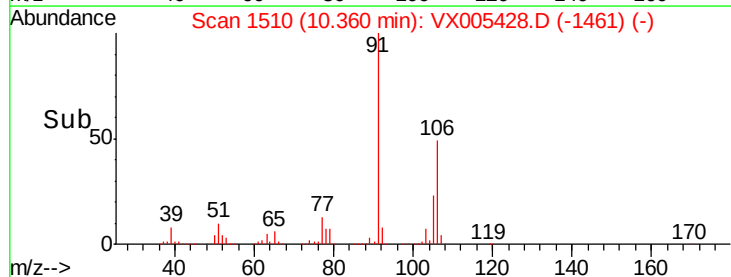
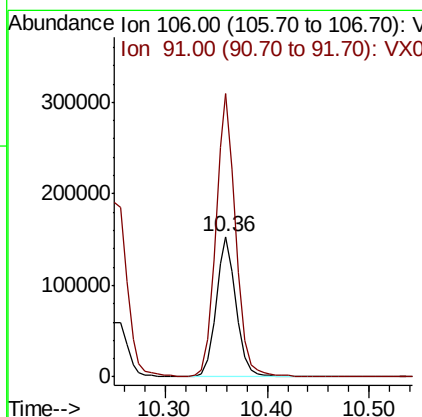
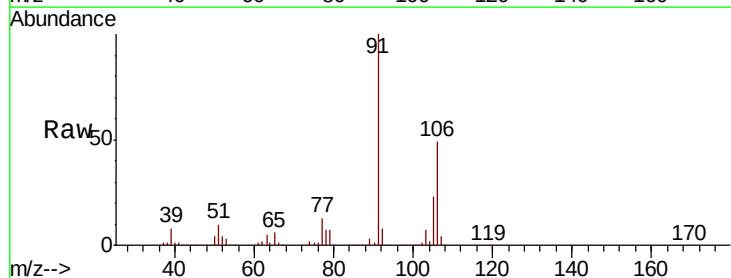
Manual Integrations
APPROVED

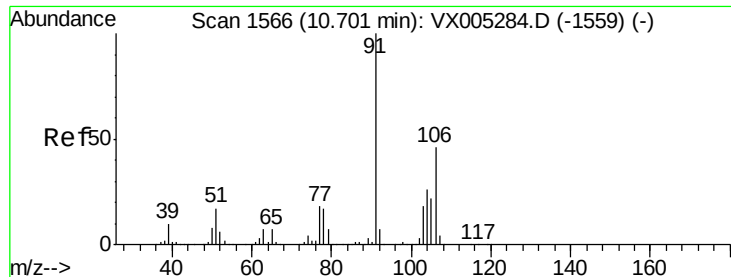
MMDadoda
10/19/2018 1:51:31 PM



#68
m/p-Xylenes
Concen: 39.311 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX005428.D
Acq: 18 Oct 2018 14:23

Tgt Ion: 106 Resp: 208834
Ion Ratio Lower Upper
106 100
91 202.6 157.1 235.7





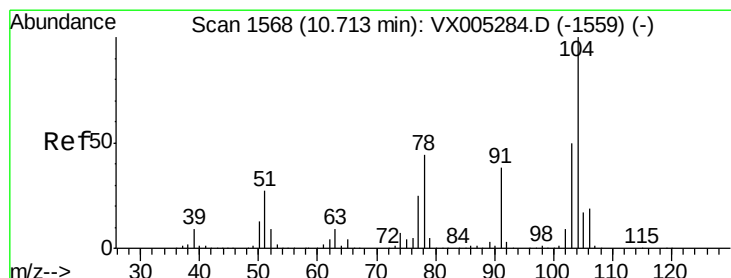
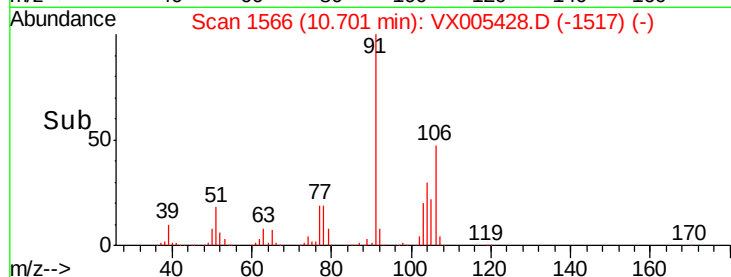
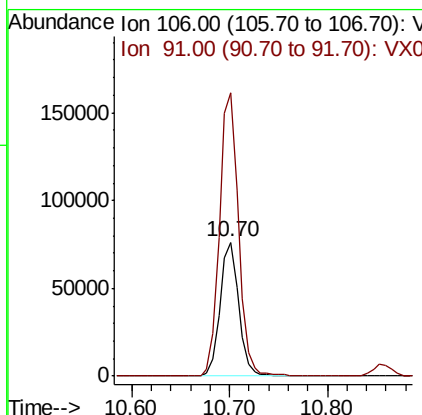
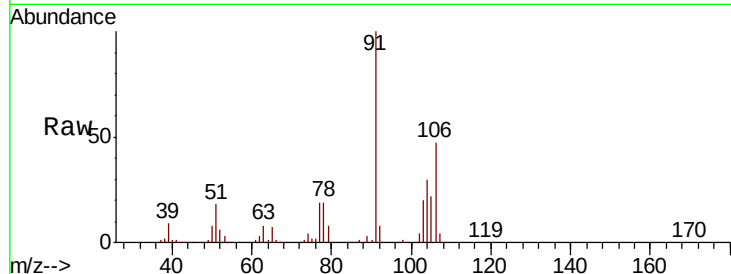
#69
o-Xylene
Concen: 19.706 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX005428.D
Acq: 18 Oct 2018 14:23

Instrument :
MSVOA_X
ClientSampleId :
VX1018WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	100960		
91	91	215.4	105.1	315.1	

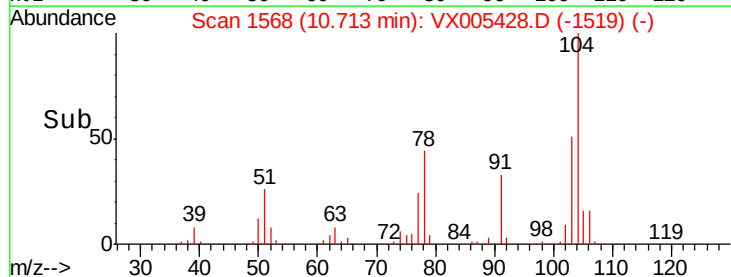
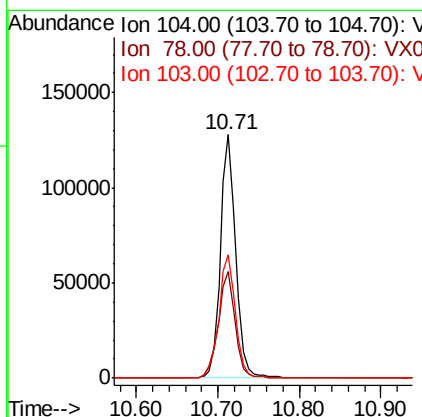
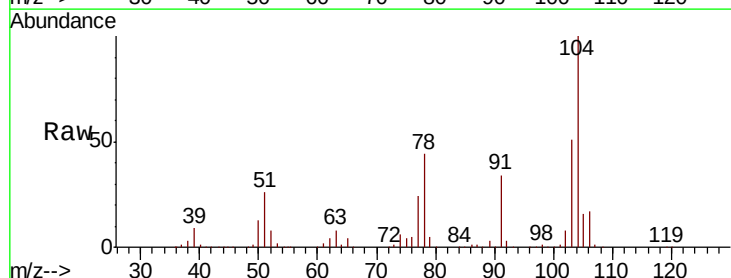
Manual Integrations
APPROVED

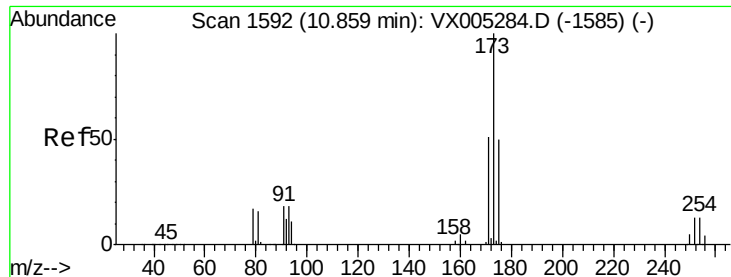
MMDadoda
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#70
Styrene
Concen: 19.976 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX005428.D
Acq: 18 Oct 2018 14:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	168337		
78	78	48.7	37.4	56.0	
103	103	55.6	43.8	65.6	





#71

Bromoform

Concen: 17.780 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX005428.D

Acq: 18 Oct 2018 14:23

Instrument :

MSVOA_X

ClientSampleId :

VX1018WBSD01

Tot Ion:173 Resp: 47670

Ion Ratio Lower Upper

173 100

175 48.9 24.1 72.3

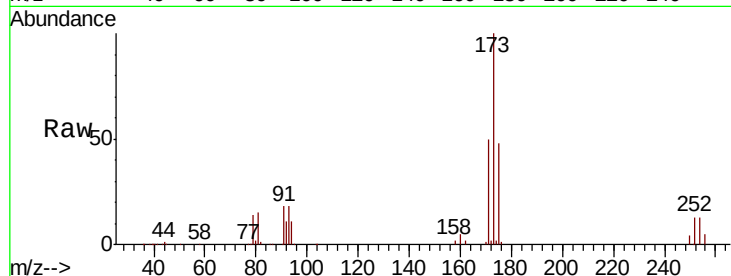
254 0.0 0.2 0.2#

Manual Integrations

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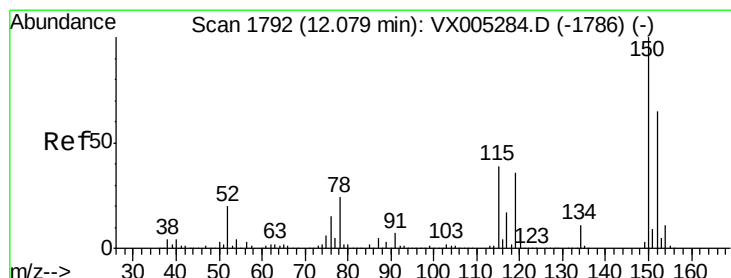
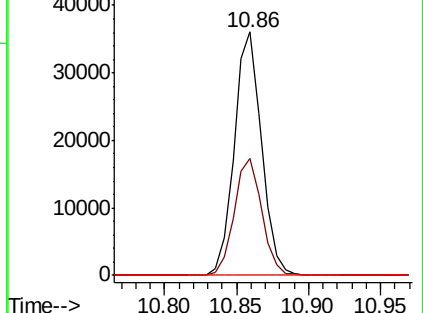
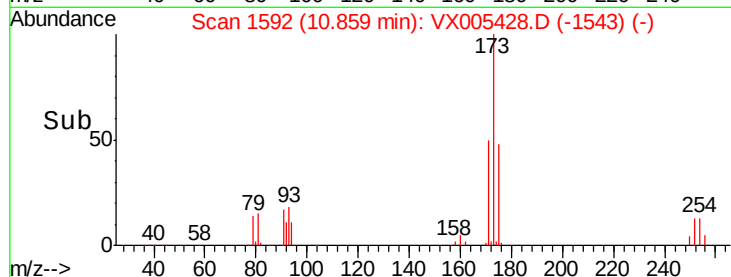
10/19/2018 1:51:31 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX005428.D

Acq: 18 Oct 2018 14:23

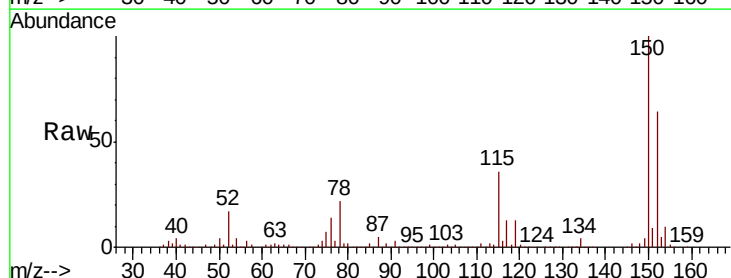
Tgt Ion:152 Resp: 214891

Ion Ratio Lower Upper

152 100

115 63.6 39.0 117.0

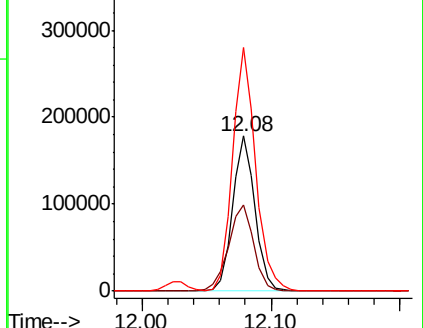
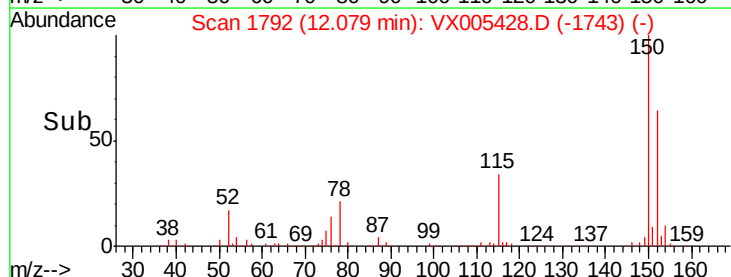
150 163.3 0.0 351.0

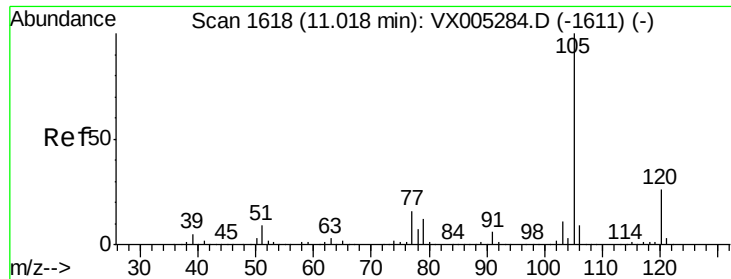


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.771 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX005428.D

Acq: 18 Oct 2018 14:23

Instrument :

MSVOA_X

ClientSampleId :

VX1018WBSD01

Tot Ion: 105 Resp: 278115

Ion Ratio Lower Upper

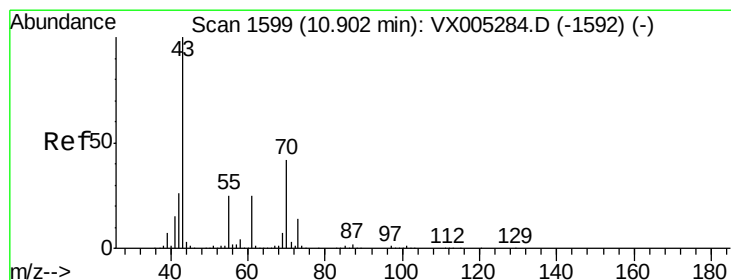
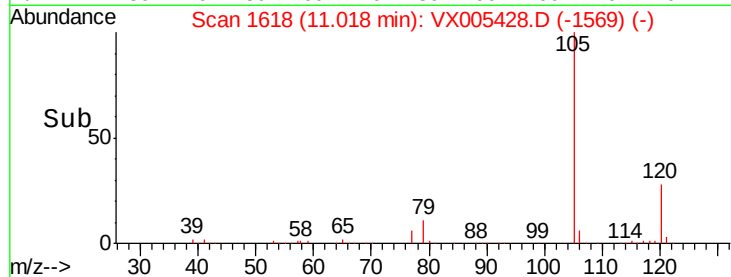
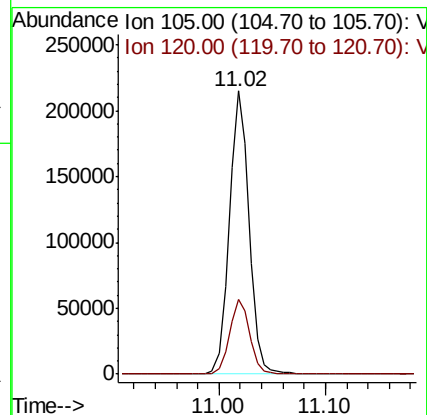
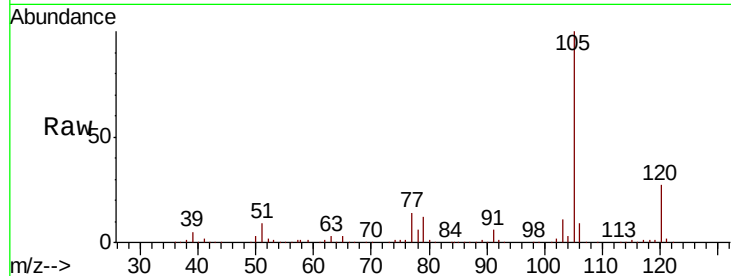
105 100

120 26.9 13.5 40.4

Manual Integrations
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#74

N-ethyl acetate

Concen: 20.434 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.01 min

Lab File: VX005428.D

Acq: 18 Oct 2018 14:23

Tgt Ion: 43 Resp: 125901

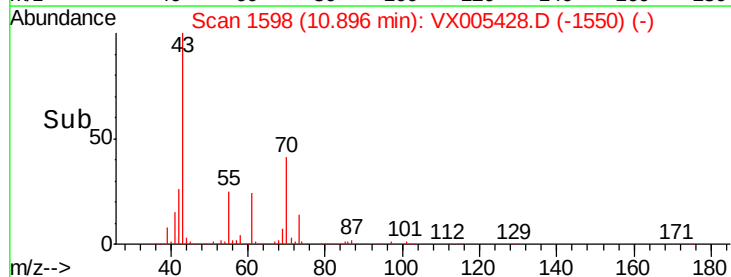
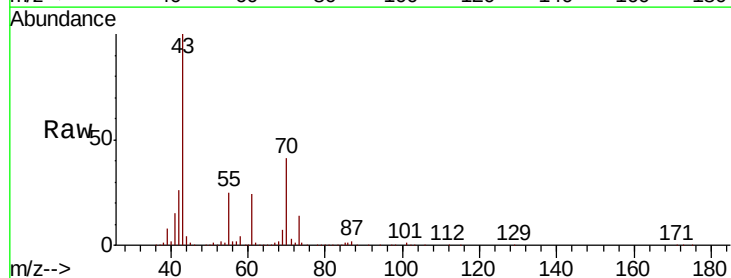
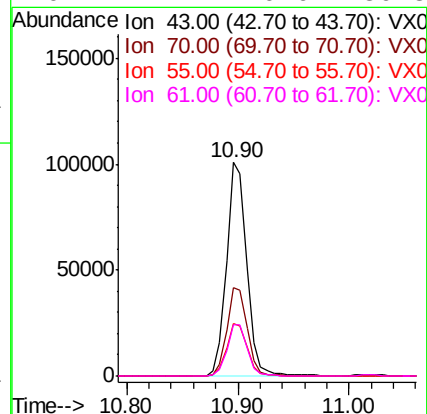
Ion Ratio Lower Upper

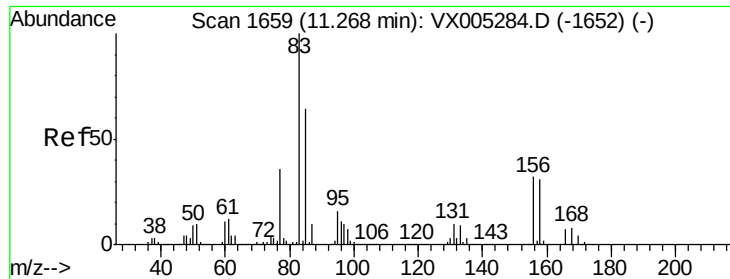
43 100

70 42.4 37.4 56.0

55 25.7 21.8 32.8

61 24.2 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.546 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX005428.D

Acq: 18 Oct 2018 14:23

Instrument :

MSVOA_X

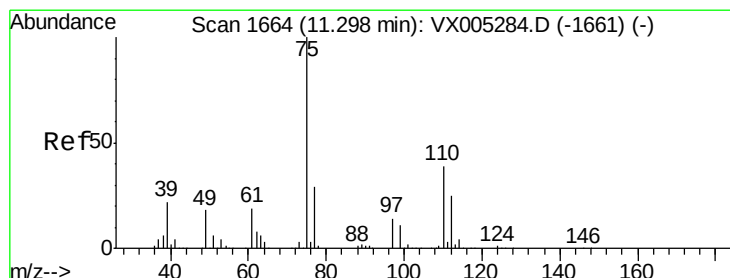
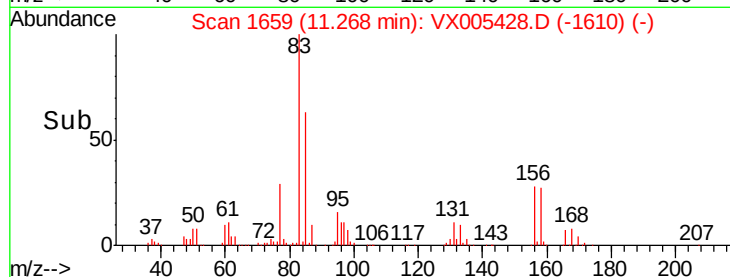
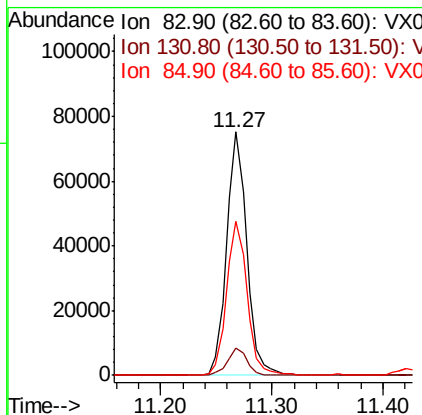
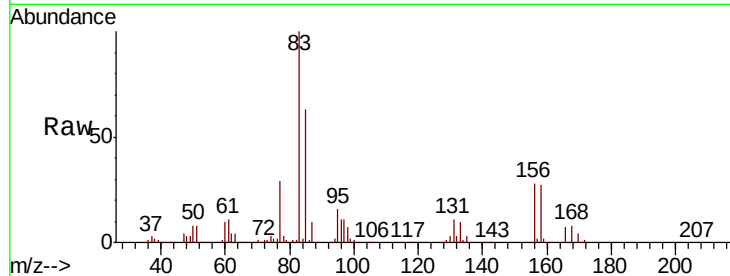
ClientSampleId :

VX1018WBSD01

Tot Ion:	83	Resp:	94190
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.2	15.6
85	64.8	32.3	96.8

Manual Integrations
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10/19/2018 1:51:31 PM



#76

1,2,3-Trichloropropane

Concen: 21.496 ug/l m

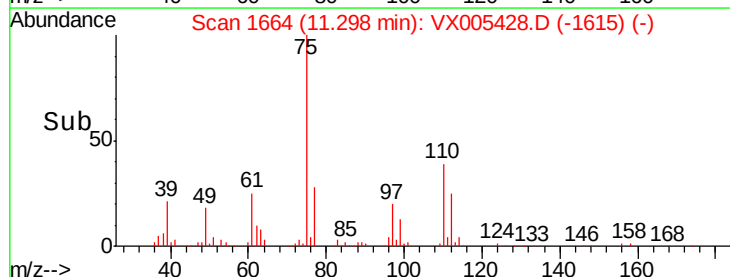
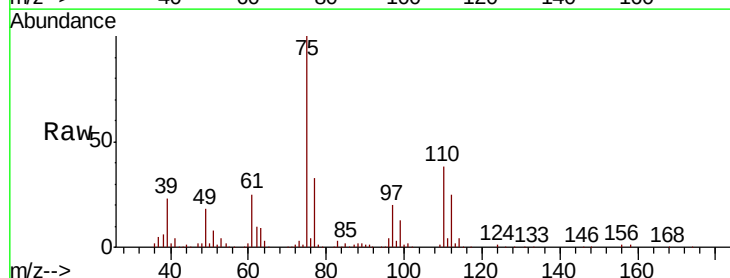
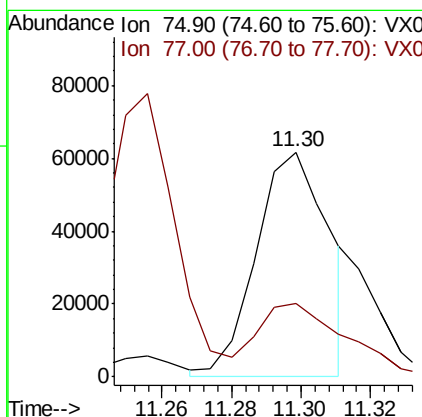
RT: 11.30 min Scan# 1664

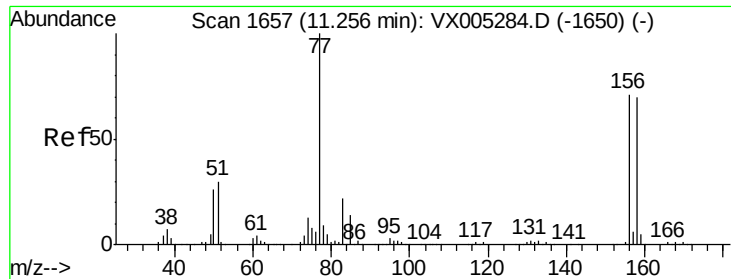
Delta R.T. 0.00 min

Lab File: VX005428.D

Acq: 18 Oct 2018 14:23

Tgt Ion:	75	Resp:	89601
Ion Ratio	Lower	Upper	
75	100		
77	39.4	20.2	60.6





#77

Bromobenzene

Concen: 20.499 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX005428.D

Acq: 18 Oct 2018 14:23

Instrument :

MSVOA_X

ClientSampleId :

VX1018WBSD01

Tot Ion:156 Resp: 74875

Ion Ratio Lower Upper

156 100

77 141.8 71.5 214.3

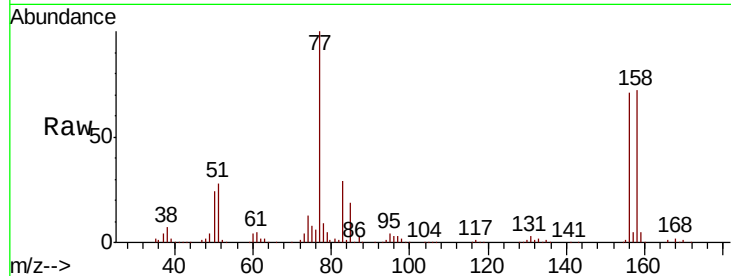
158 99.4 48.9 146.8

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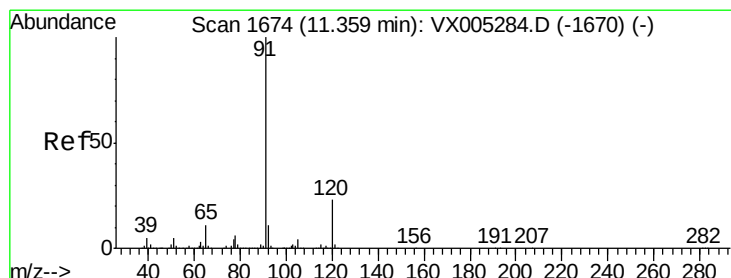
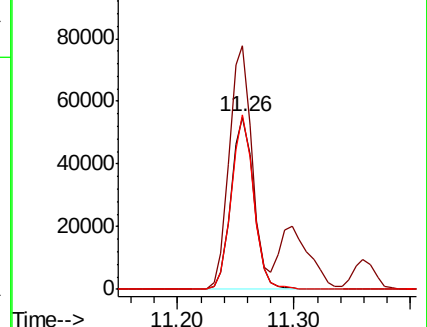
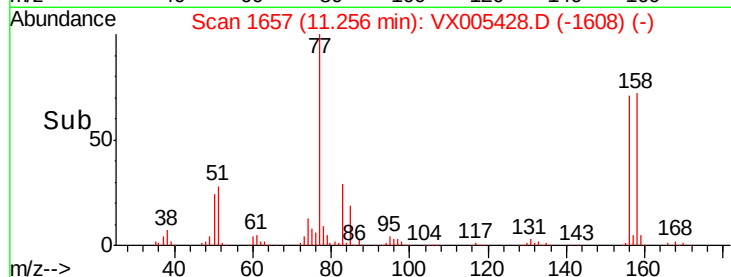
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.132 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX005428.D

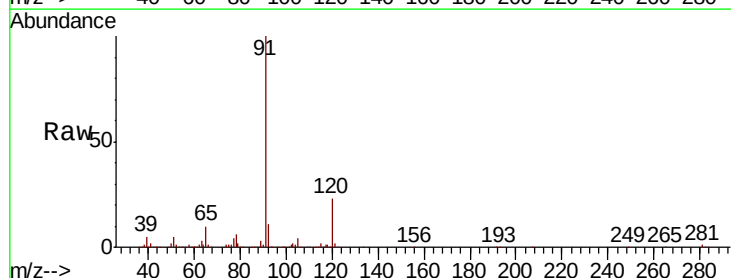
Acq: 18 Oct 2018 14:23

Tgt Ion: 91 Resp: 310642

Ion Ratio Lower Upper

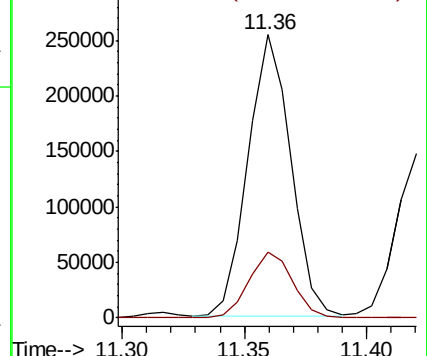
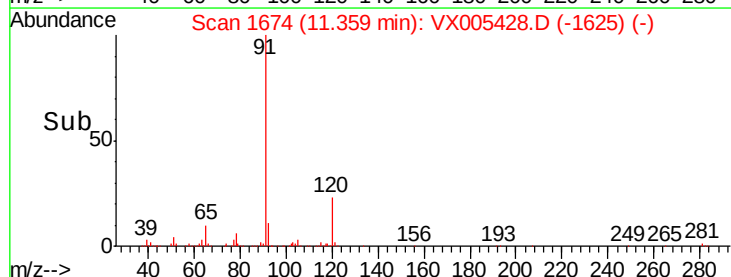
91 100

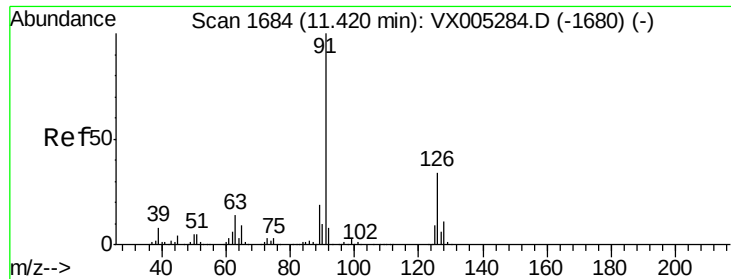
120 24.2 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





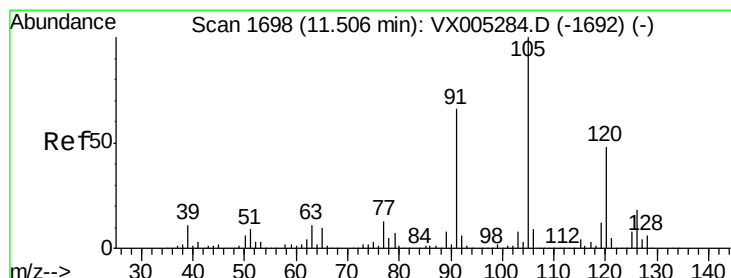
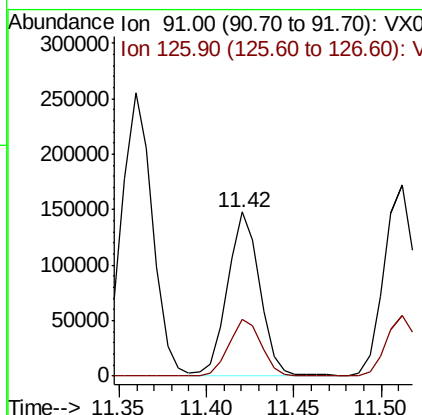
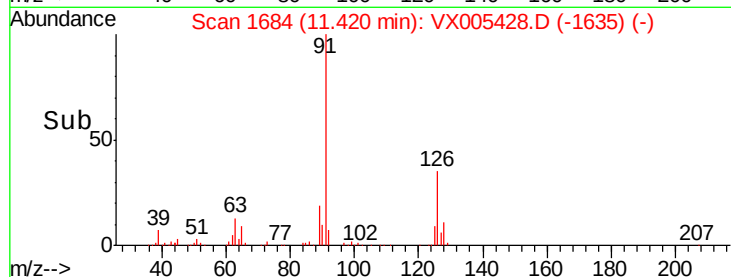
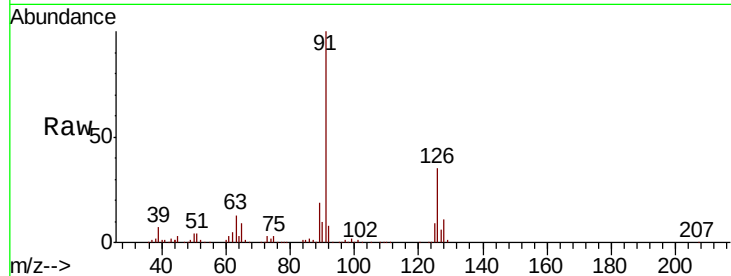
#79
 2-Chlorotoluene
 Concen: 20.799 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX005428.D
 Acq: 18 Oct 2018 14:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1018WBSD01

Tot Ion: 91 Resp: 187251
 Ion Ratio Lower Upper
 91 100
 126 35.4 17.9 53.7

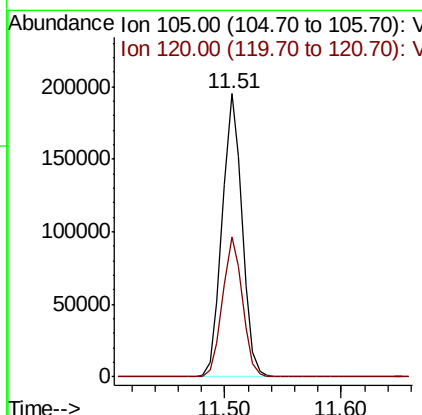
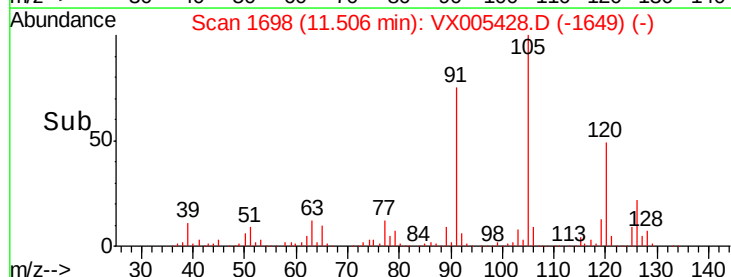
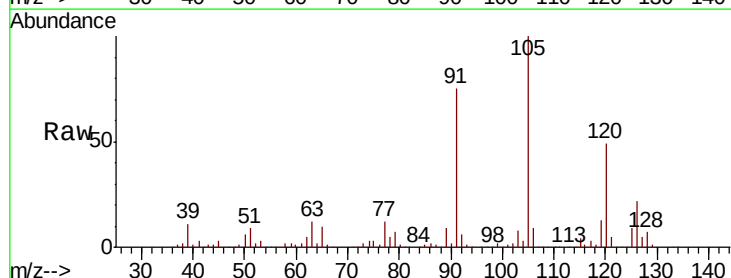
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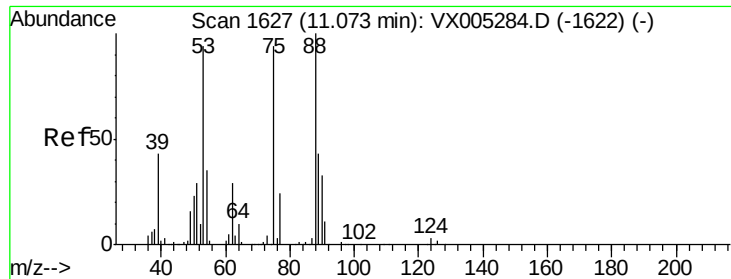
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#80
 1,3,5-Trimethylbenzene
 Concen: 21.055 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX005428.D
 Acq: 18 Oct 2018 14:23

Tgt Ion: 105 Resp: 230329
 Ion Ratio Lower Upper
 105 100
 120 49.3 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 18.926 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX005428.D

Acq: 18 Oct 2018 14:23

Instrument :

MSVOA_X

ClientSampleId :

VX1018WBSD01

Tot Ion: 75 Resp: 25963

Ion Ratio Lower Upper

75 100

53 98.8 80.1 120.1

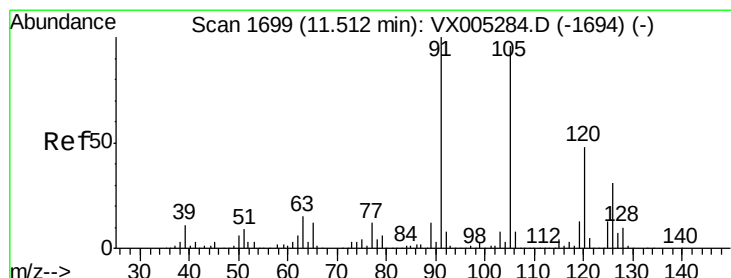
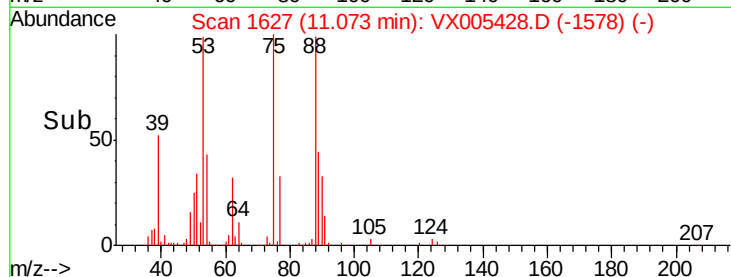
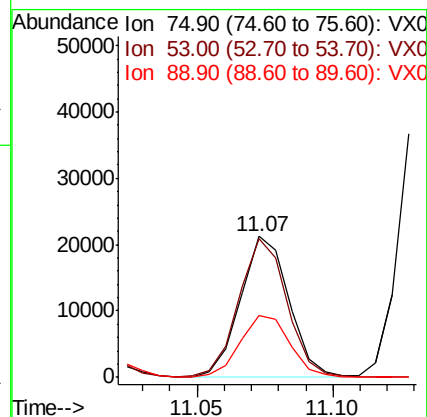
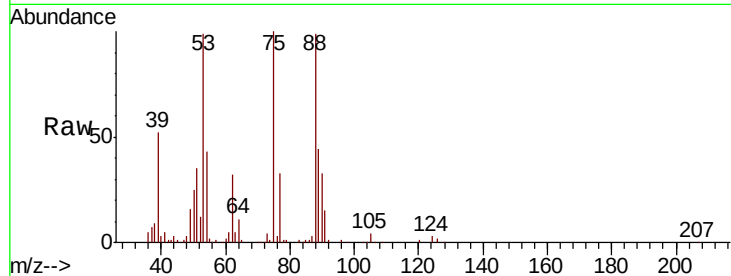
89 45.7 37.2 55.8

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#82

4-Chlorotoluene

Concen: 20.453 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX005428.D

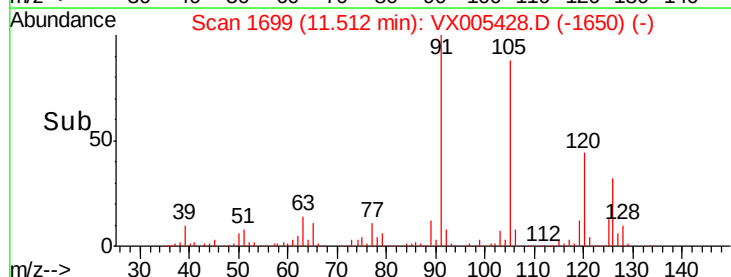
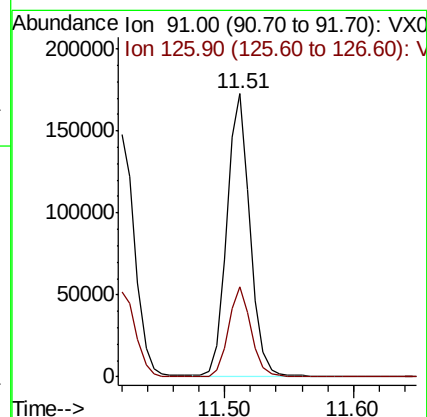
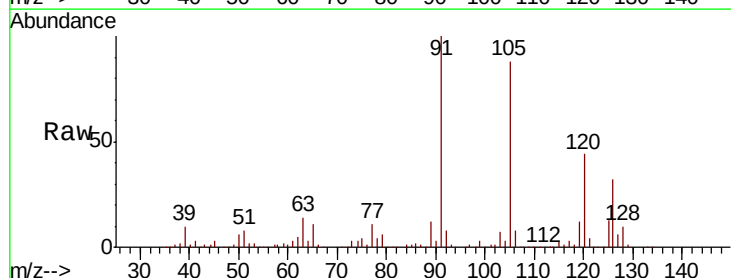
Acq: 18 Oct 2018 14:23

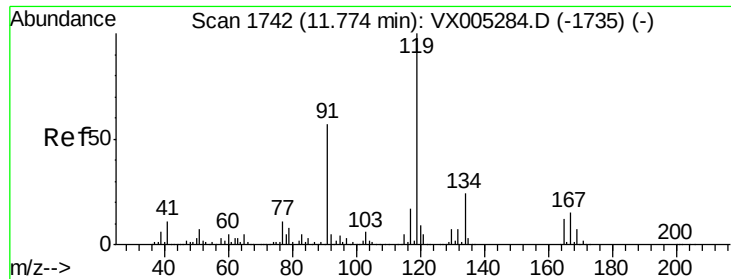
Tgt Ion: 91 Resp: 218284

Ion Ratio Lower Upper

91 100

126 31.1 15.5 46.5





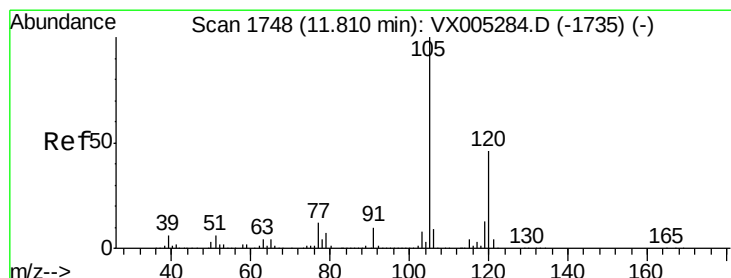
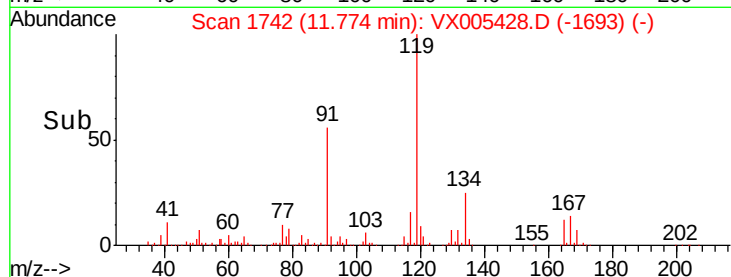
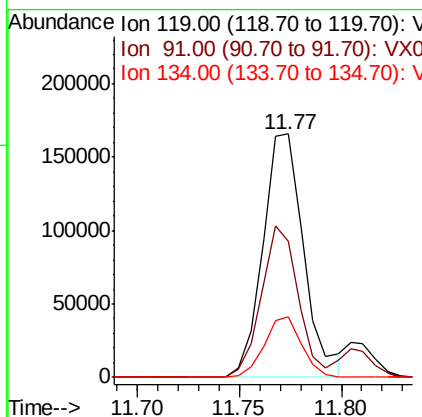
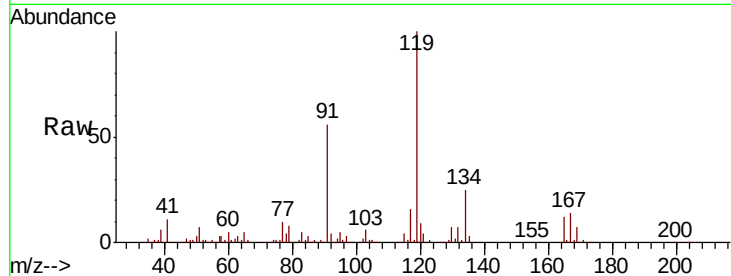
#83
 tert-Butylbenzene
 Concen: 20.987 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VX005428.D
 Acq: 18 Oct 2018 14:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1018WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	232496		
91	56.1		27.0	81.0
134	23.0		11.7	35.1

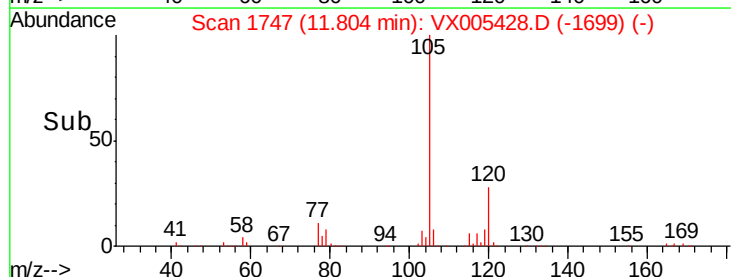
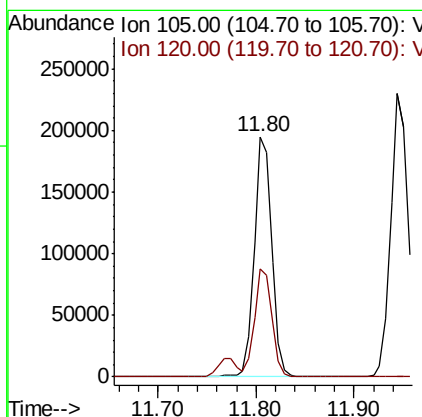
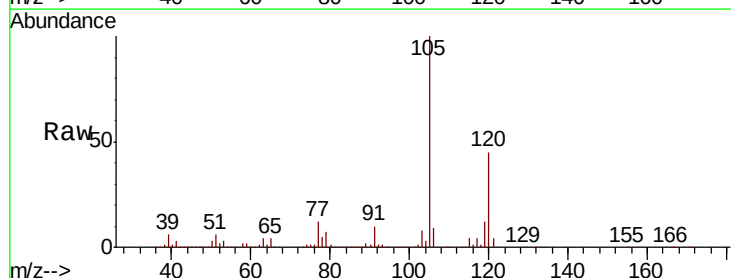
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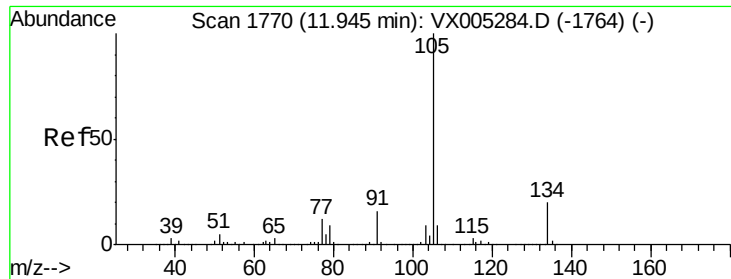
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.446 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.01 min
 Lab File: VX005428.D
 Acq: 18 Oct 2018 14:23

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	241436		
120	44.7		23.2	69.6





#85

sec-Butylbenzene

Concen: 21.494 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX005428.D

Acq: 18 Oct 2018 14:23

Instrument :

MSVOA_X

ClientSampleId :

VX1018WBSD01

Tot Ion:105 Resp: 281779

Ion Ratio Lower Upper

105 100

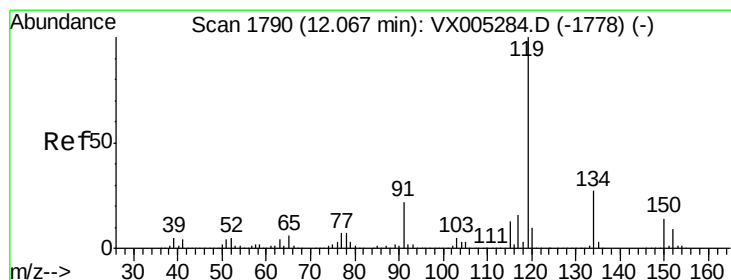
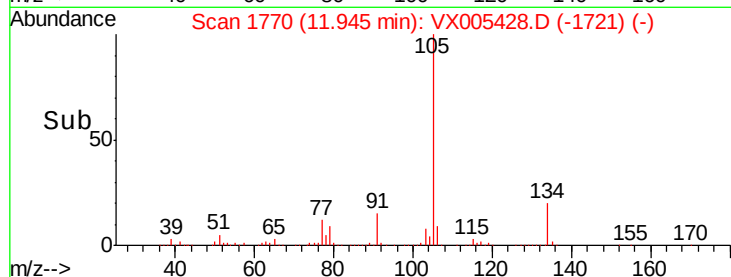
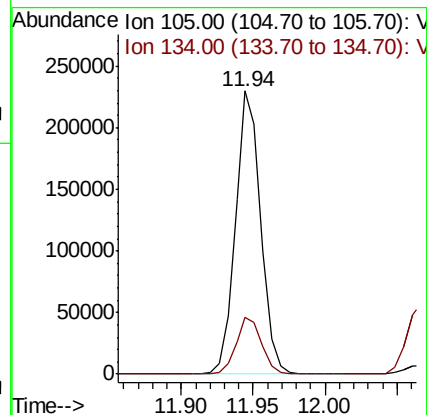
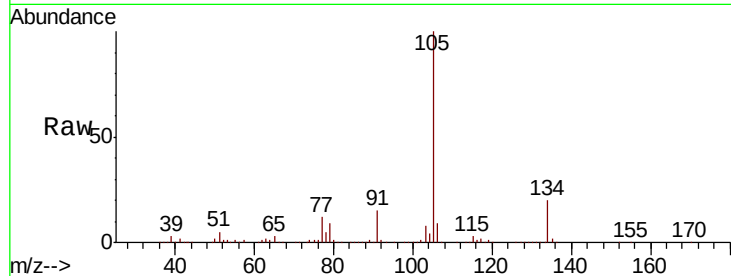
134 20.2 10.5 31.5

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#86

p-Isopropyltoluene

Concen: 21.200 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX005428.D

Acq: 18 Oct 2018 14:23

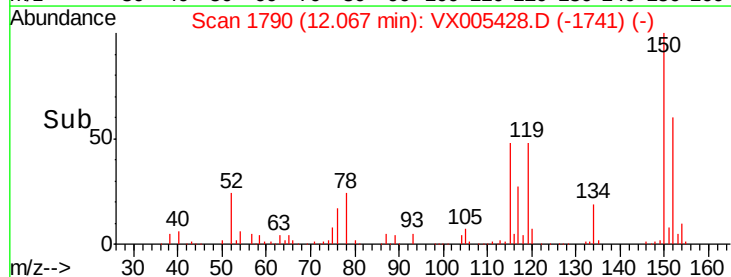
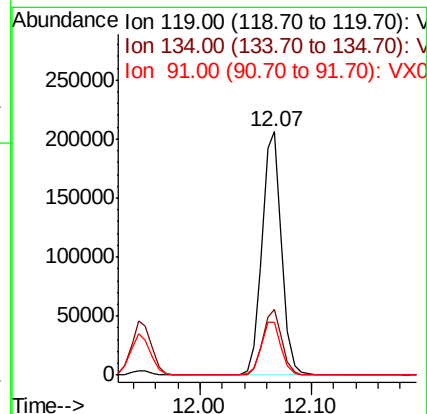
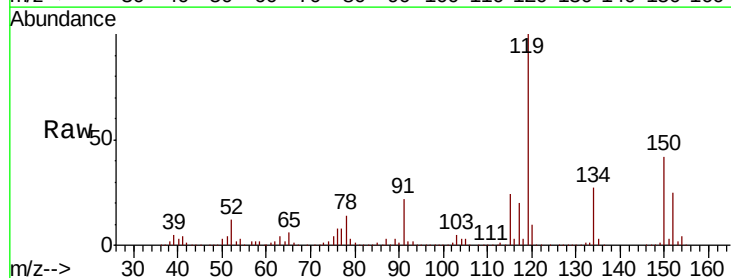
Tgt Ion:119 Resp: 251207

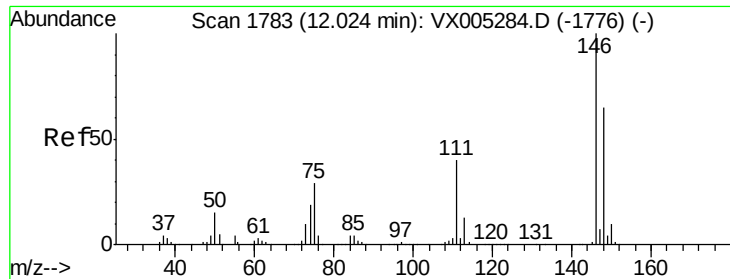
Ion Ratio Lower Upper

119 100

134 26.5 13.4 40.2

91 22.2 10.9 32.7





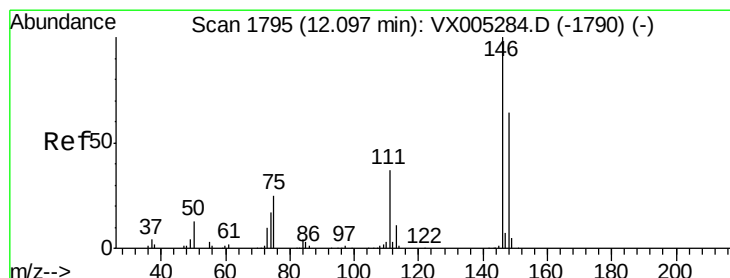
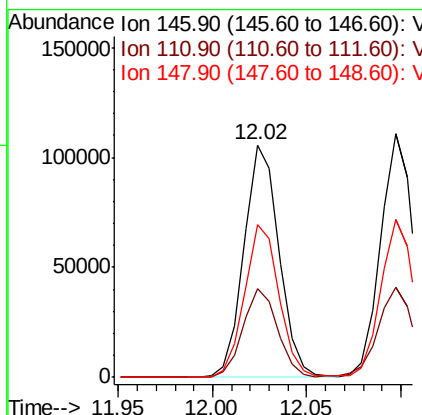
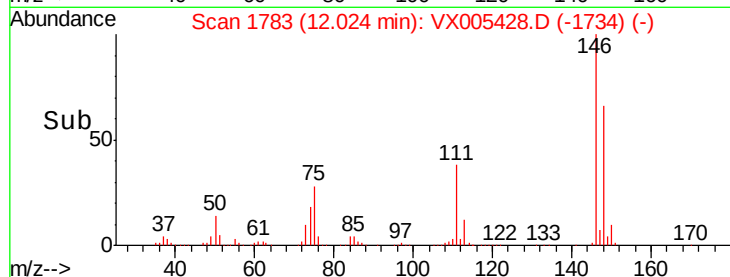
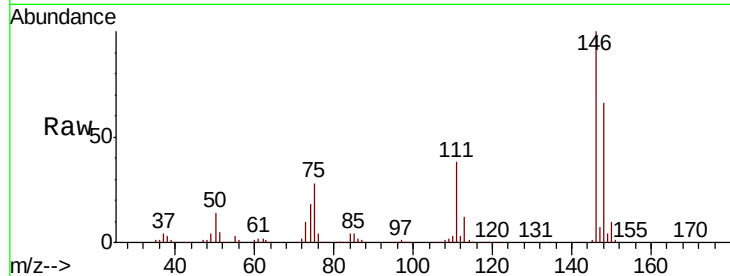
#87
 1,3-Dichlorobenzene
 Concen: 20.040 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX005428.D
 Acq: 18 Oct 2018 14:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1018WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.7	56.1
148	64.7	32.1	96.5

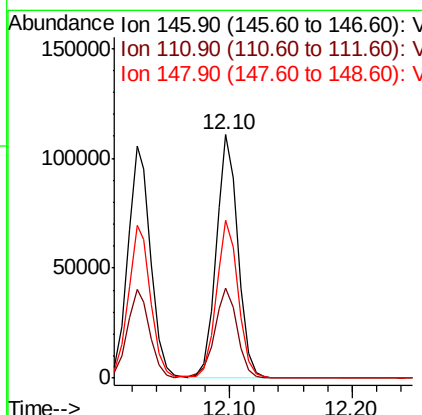
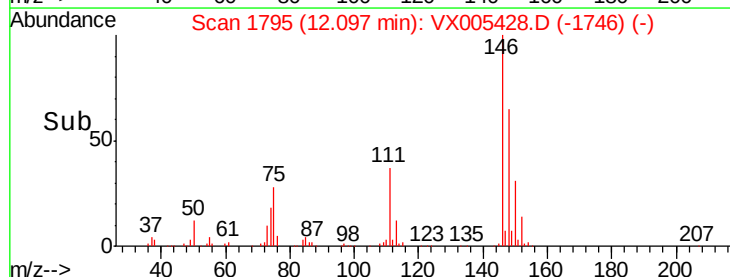
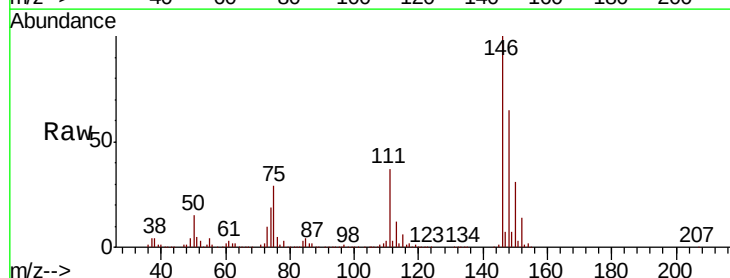
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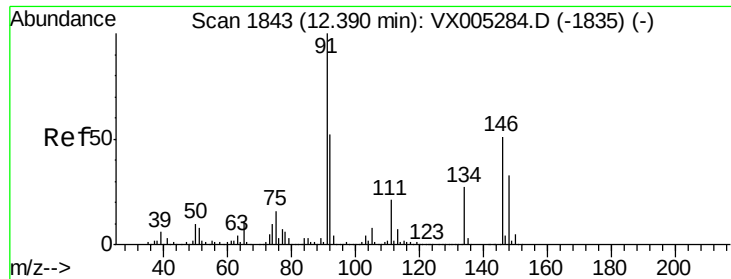
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#88
 1,4-Dichlorobenzene
 Concen: 19.622 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX005428.D
 Acq: 18 Oct 2018 14:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	18.1	54.1
148	65.4	32.0	96.0





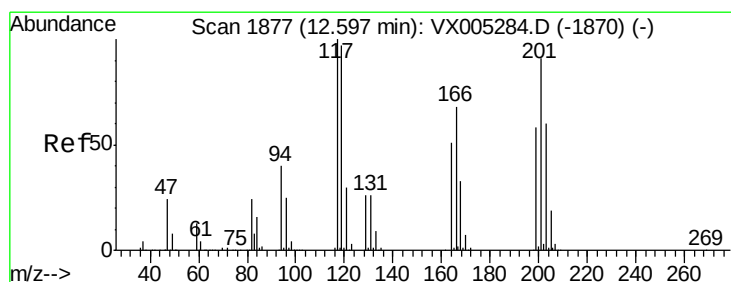
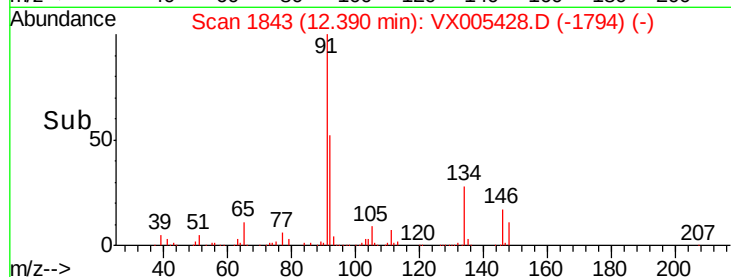
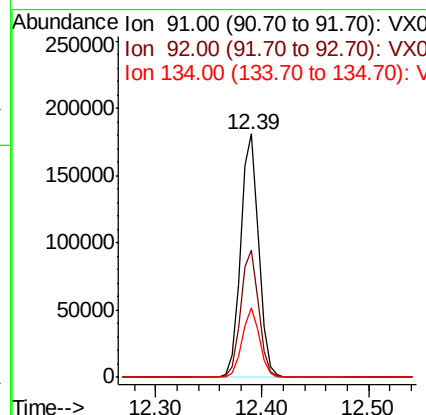
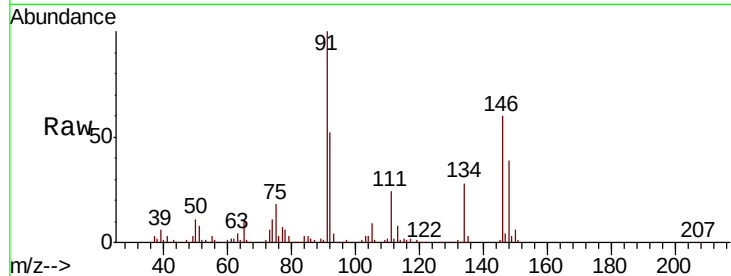
#89
n-Butylbenzene
Concen: 19.962 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX005428.D
Acq: 18 Oct 2018 14:23

Instrument :
MSVOA_X
ClientSampleId :
VX1018WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	27.3	81.9
134	27.4	13.6	40.7

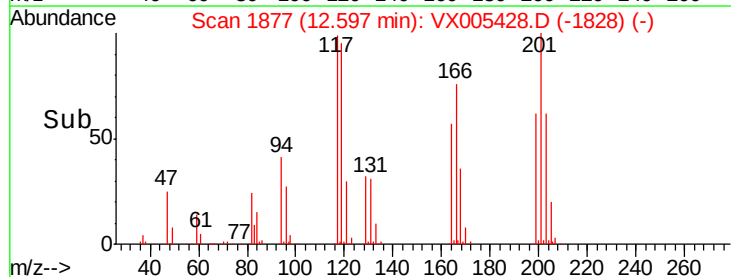
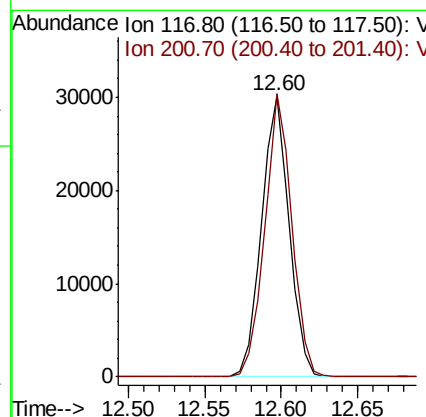
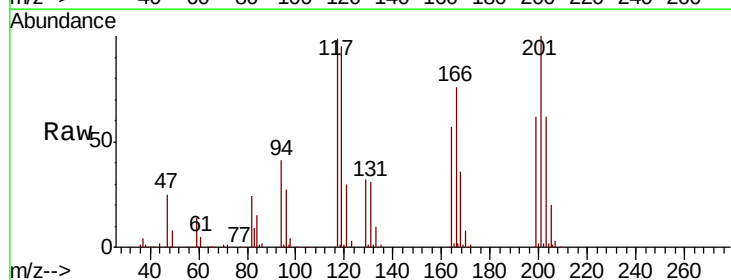
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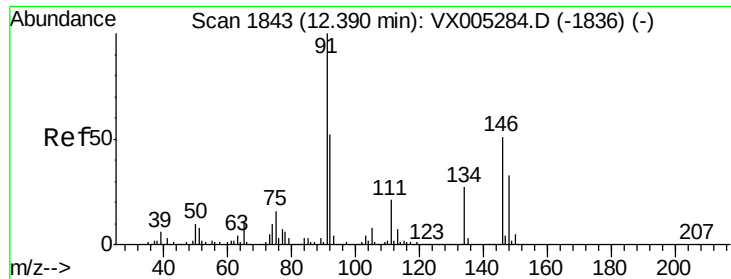
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#90
Hexachloroethane
Concen: 18.564 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX005428.D
Acq: 18 Oct 2018 14:23

Tgt Ion	Ratio	Lower	Upper
117	100		
201	98.8	46.9	140.6





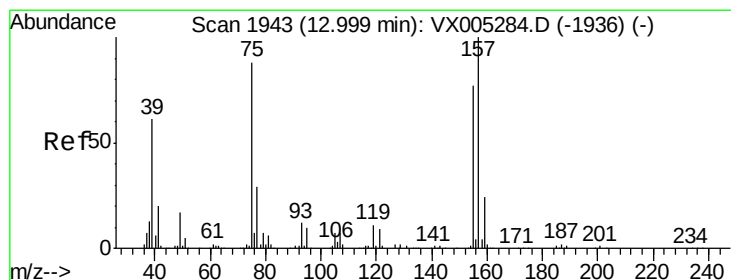
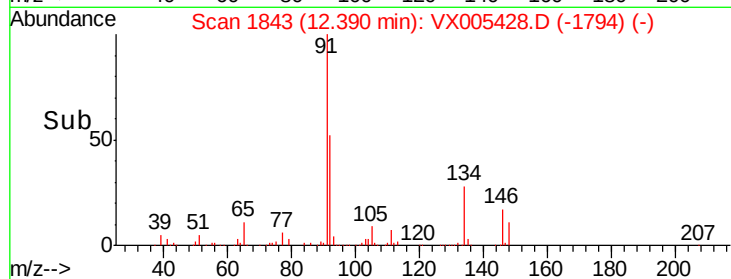
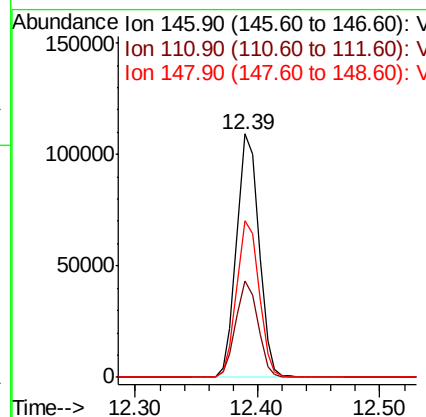
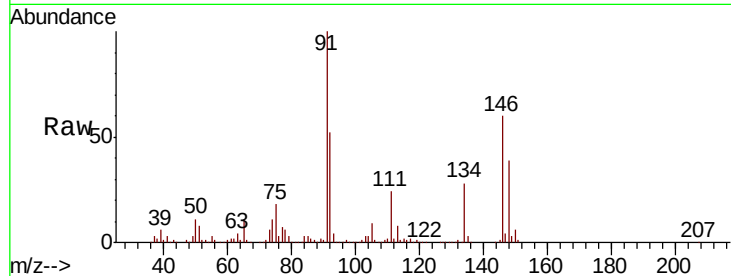
#91
 1,2-Dichlorobenzene
 Concen: 19.833 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX005428.D
 Acq: 18 Oct 2018 14:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1018WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	138136		
111	39.2	19.4	58.1	
148	64.3	32.8	98.3	

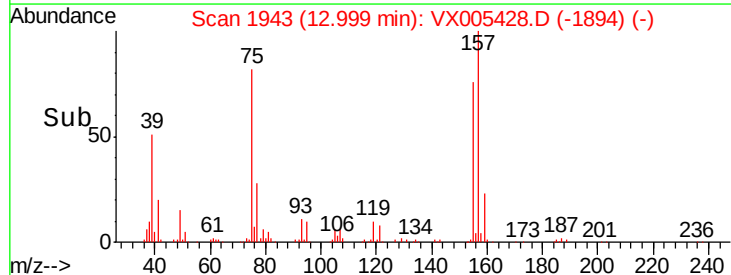
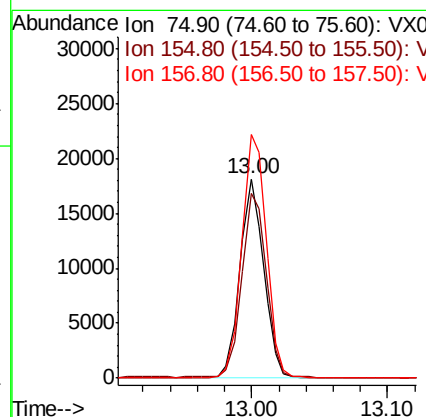
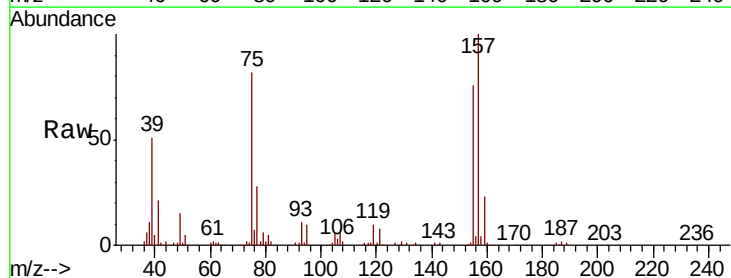
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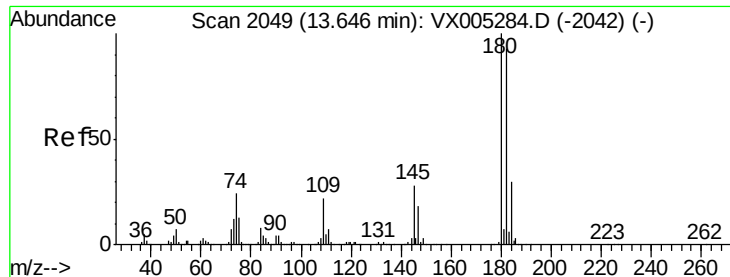
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.897 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX005428.D
 Acq: 18 Oct 2018 14:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	22213		
155	95.3	48.0	144.2	
157	125.3	61.4	184.1	





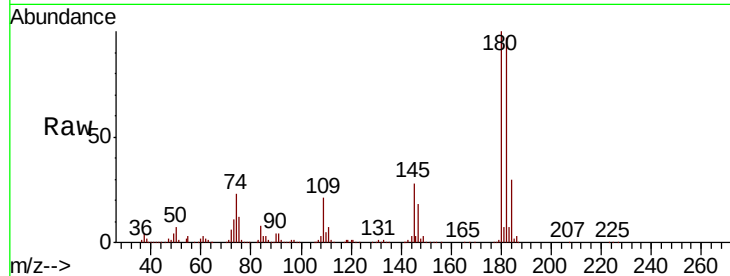
#93
 1,2,4-Trichlorobenzene
 Concen: 20.436 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX005428.D
 Acq: 18 Oct 2018 14:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1018WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	104432		
182	96.8	48.4	145.0	
145	28.1	14.3	42.9	

Manual Integrations
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 10/19/2018 1:51:31 PM

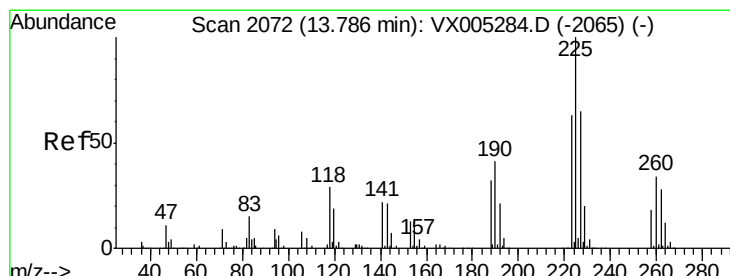
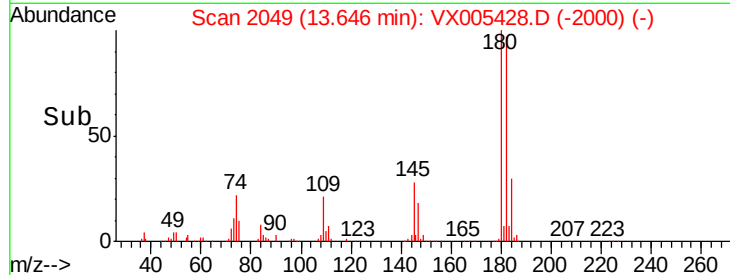
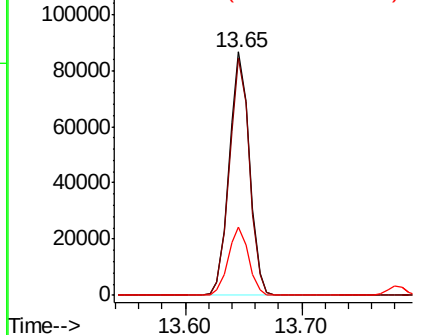


Abundance

Ion 179.80 (179.50 to 180.50): V

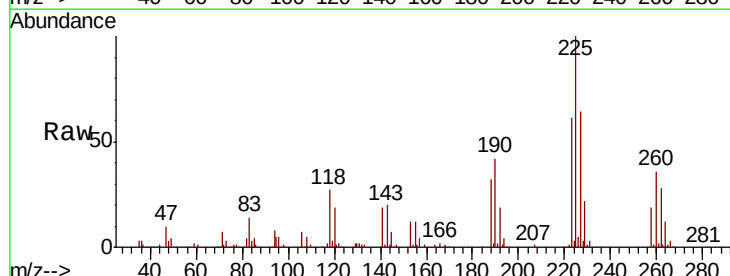
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 19.125 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VX005428.D
 Acq: 18 Oct 2018 14:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	51617		
223	63.1	30.1	90.5	
227	63.2	30.8	92.4	

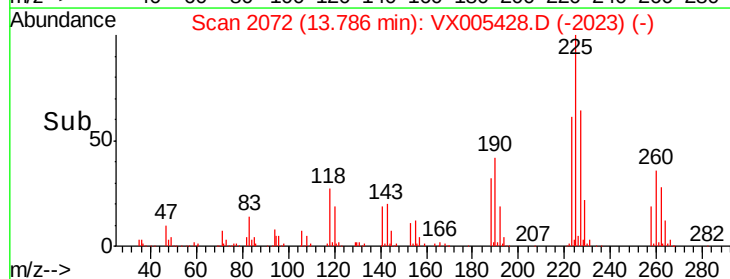
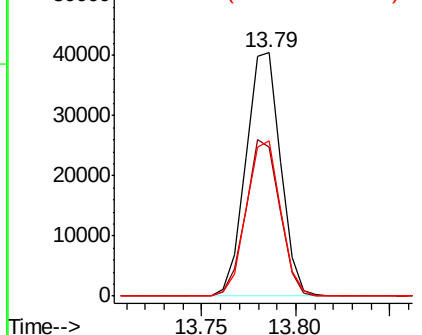


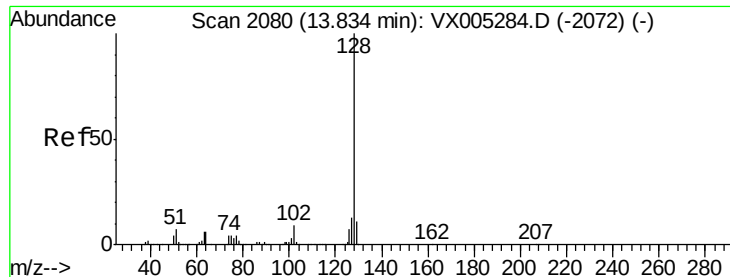
Abundance

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: 22.085 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX005428.D

Acq: 18 Oct 2018 14:23

Instrument :

MSVOA_X

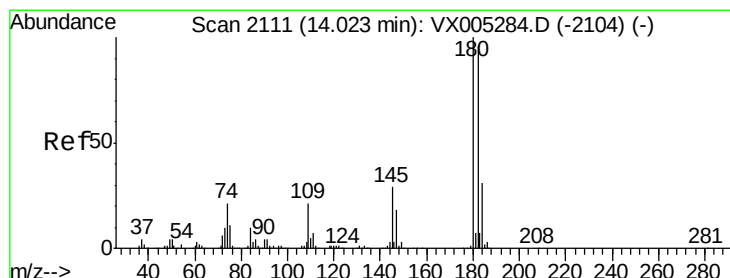
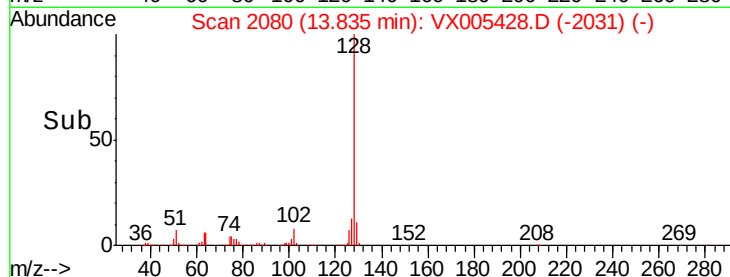
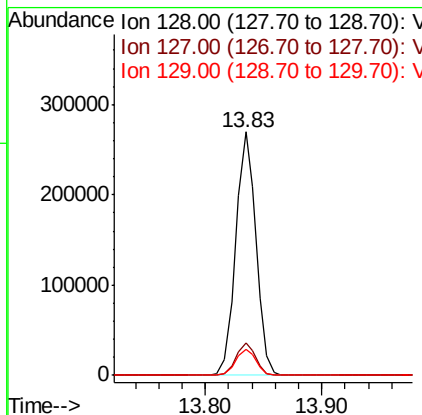
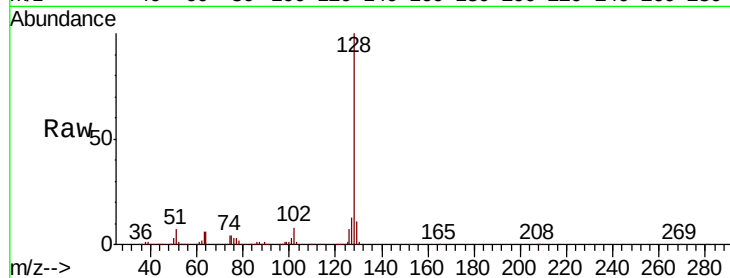
ClientSampleId :

VX1018WBSD01

Tot Ion:	128	Resp:	327296
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.2	15.2
129	10.9	8.6	12.8

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 20.895 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.01 min

Lab File: VX005428.D

Acq: 18 Oct 2018 14:23

Tgt Ion:	180	Resp:	109254
Ion Ratio	Lower	Upper	
180	100		
182	95.1	48.5	145.6
145	29.6	14.9	44.9

