

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101818\
 Data File : VX005425.D
 Acq On : 18 Oct 2018 13:03
 Operator : JC/MD
 Sample : VX1018WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1018WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/19/2018 1:51:32 PM

Quant Time: Oct 19 04:20:50 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	5.67	168	294603	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	427419	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	395124	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	217136	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	158100	48.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.70%	
35) Dibromofluoromethane	5.50	113	132862	46.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.86%	
50) Toluene-d8	8.71	98	499428	51.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.78%	
62) 4-Bromofluorobenzene	11.14	95	189228	51.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	42527	18.463	ug/l	99
3) Chloromethane	1.32	50	60237	18.048	ug/l	100
4) Vinyl Chloride	1.40	62	62483	18.480	ug/l	100
5) Bromomethane	1.64	94	37228	19.852	ug/l	98
6) Chloroethane	1.71	64	39526	18.821	ug/l	98
7) Trichlorofluoromethane	1.92	101	86501	19.171	ug/l	94
8) Diethyl Ether	2.19	74	38824	20.150	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.38	101	52916	20.319	ug/l	97
10) Methyl Iodide	2.51	142	55457	20.943	ug/l	99
11) Tert butyl alcohol	3.07	59	91056	98.725	ug/l	99
12) 1,1-Dichloroethene	2.37	96	50082	19.410	ug/l	98
13) Acrolein	2.29	56	39398	65.343	ug/l	96
14) Allyl chloride	2.73	41	109940	19.407	ug/l	94
15) Acrylonitrile	3.15	53	201851	96.578	ug/l	98
16) Acetone	2.45	43	178919	94.643	ug/l	97
17) Carbon Disulfide	2.57	76	129114	16.518	ug/l	99
18) Methyl Acetate	2.78	43	112586	20.933	ug/l	94
19) Methyl tert-butyl Ether	3.20	73	191963	21.124	ug/l	100
20) Methylene Chloride	2.85	84	58783	20.570	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	54116	18.925	ug/l	96
22) Diisopropyl ether	3.87	45	188726	19.835	ug/l	91
23) Vinyl Acetate	3.82	43	796928	95.825	ug/l	97
24) 1,1-Dichloroethane	3.69	63	105950	19.429	ug/l	98
25) 2-Butanone	4.70	43	266608	96.388	ug/l	94
26) 2,2-Dichloropropane	4.59	77	79382	19.464	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	59998	19.307	ug/l	95
28) Bromochloromethane	5.01	49	50589	20.350	ug/l	94
29) Tetrahydrofuran	5.15	42	168854	95.704	ug/l	94
30) Chloroform	5.21	83	98493	19.459	ug/l	99
31) Cyclohexane	5.57	56	87301	19.424	ug/l	90
32) 1,1,1-Trichloroethane	5.49	97	84267	19.133	ug/l	99
36) 1,1-Dichloropropene	5.80	75	71620	17.302	ug/l	99
37) Ethyl Acetate	4.85	43	96058	18.044	ug/l	99
38) Carbon Tetrachloride	5.78	117	72306	17.384	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	86589	19.327	ug/l	96
40) Benzene	6.14	78	220784	17.780	ug/l	100
41) Methacrylonitrile	5.06	41	52943	18.551	ug/l	98
42) 1,2-Dichloroethane	6.20	62	77707	17.722	ug/l	97
43) Isopropyl Acetate	6.46	43	141971	20.020	ug/l	98
44) Trichloroethene	7.21	130	62551	19.346	ug/l	98
45) 1,2-Dichloropropane	7.52	63	60732	19.938	ug/l	98
46) Dibromomethane	7.66	93	37638	18.721	ug/l	97
47) Bromodichloromethane	7.90	83	70226	18.885	ug/l	99
48) Methyl methacrylate	7.77	41	72912	19.824	ug/l	95
49) 1,4-Dioxane	7.76	88	33214	391.527	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	501228	102.078	ug/l	95
52) Toluene	8.79	92	140492	20.680	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	79336	19.714	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	89463	20.516	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	58710	20.403	ug/l	98
56) Ethyl methacrylate	9.18	69	90333	21.535	ug/l	97
57) 1,3-Dichloropropane	9.37	76	97831	20.370	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	256862	109.186	ug/l	95
59) 2-Hexanone	9.49	43	395596	100.156	ug/l	95
60) Dibromochloromethane	9.59	129	56960	19.150	ug/l	98
61) 1,2-Dibromoethane	9.67	107	61303	20.300	ug/l	99
64) Tetrachloroethene	9.34	164	64426	20.254	ug/l	97
65) Chlorobenzene	10.14	112	161314	19.193	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.22	131	57344	19.146	ug/l	98
67) Ethyl Benzene	10.25	91	270109	19.769	ug/l	98
68) m/p-Xylenes	10.36	106	210307	39.656	ug/l	96
69) o-Xylene	10.70	106	103649	20.265	ug/l	99
70) Styrene	10.71	104	167427	19.902	ug/l	97
71) Bromoform	10.86	173	46520	17.381	ug/l	99
73) Isopropylbenzene	11.02	105	278663	21.588	ug/l	99
74) N-amyl acetate	10.90	43	129023	20.724	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.27	83	94720	19.452	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	89115m	21.158	ug/l	
77) Bromobenzene	11.26	156	75713	20.514	ug/l	99
78) n-propylbenzene	11.36	91	317485	21.374	ug/l	100
79) 2-Chlorotoluene	11.42	91	190017	20.888	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	234242	21.191	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	26386	19.035	ug/l	98
82) 4-Chlorotoluene	11.51	91	219773	20.380	ug/l	99
83) tert-Butylbenzene	11.77	119	235456	21.035	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	244305	21.477	ug/l	98
85) sec-Butylbenzene	11.94	105	286576	21.634	ug/l	99
86) p-Isopropyltoluene	12.07	119	257185	21.480	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	138955	20.148	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	141978	20.124	ug/l	99
89) n-Butylbenzene	12.39	91	225239	20.719	ug/l	98
90) Hexachloroethane	12.60	117	37177	18.017	ug/l	93
91) 1,2-Dichlorobenzene	12.39	146	140330	19.939	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	21897	18.435	ug/l	92

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93) 1,2,4-Trichlorobenzene	13.65	180	109642	21.234	ug/l	99
94) Hexachlorobutadiene	13.79	225	53255	19.528	ug/l	96
95) Naphthalene	13.83	128	340247	22.721	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	111775	21.157	ug/l	99

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

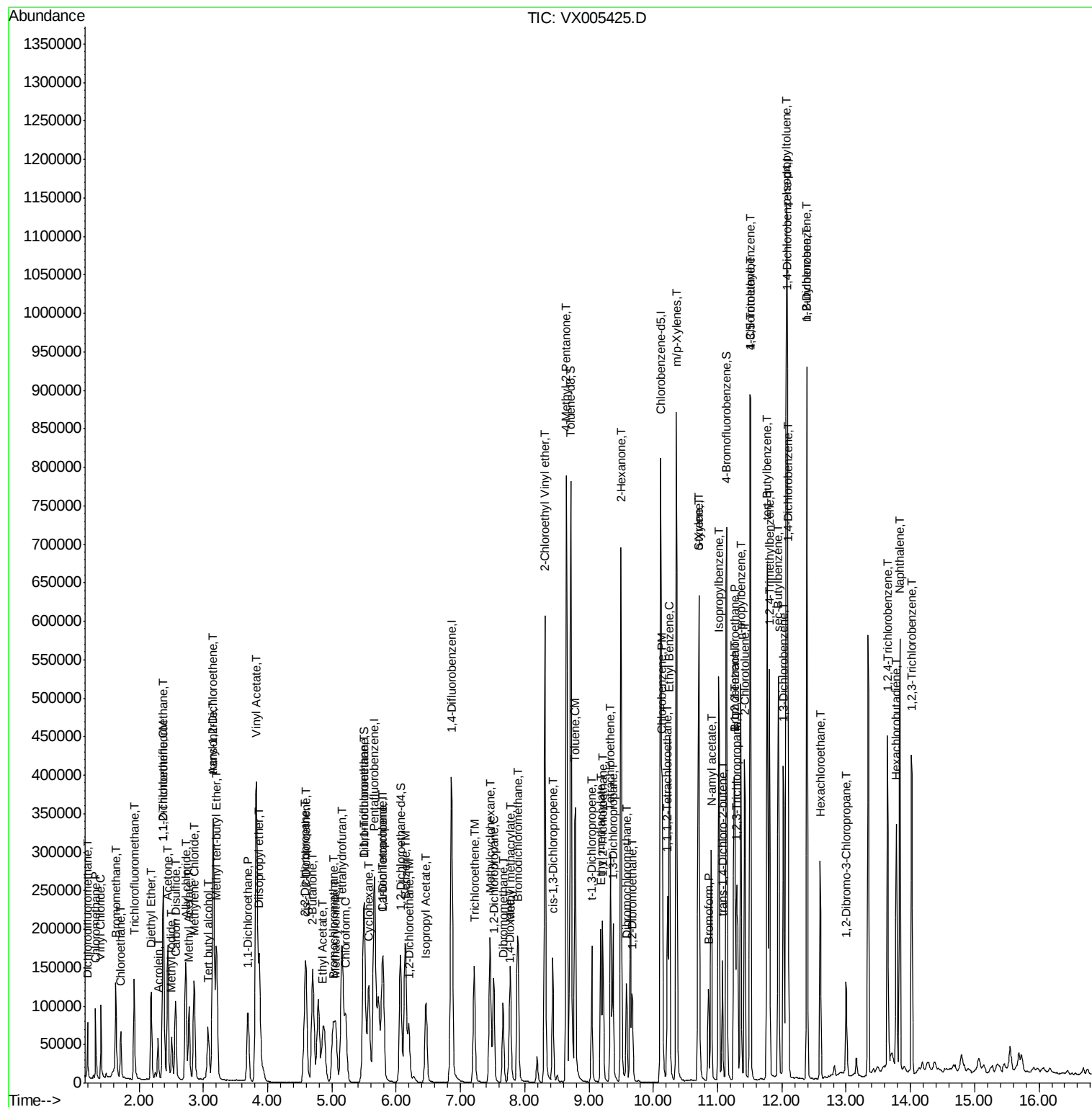
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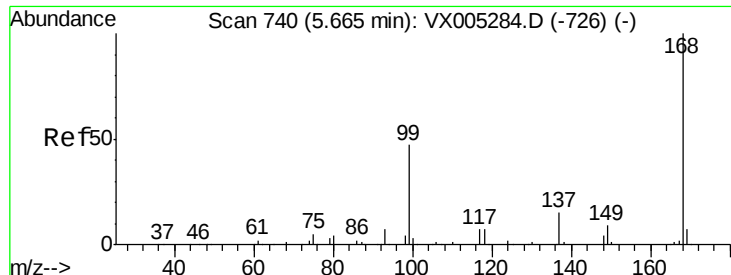
Instrument :
MSVOA_X
Client Sample ID :
VX1018WBS01

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX005425.D

Acq: 18 Oct 2018 13:03

Instrument :

MSVOA_X

ClientSampleId :

VX1018WBS01

Tot Ion:168 Resp: 294603

Ion Ratio Lower Upper

168 100

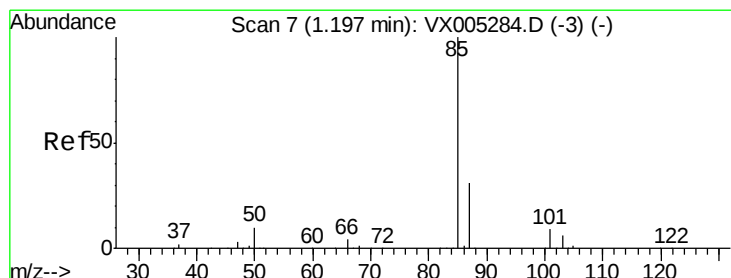
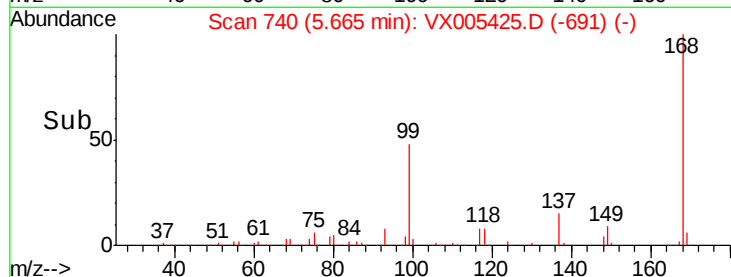
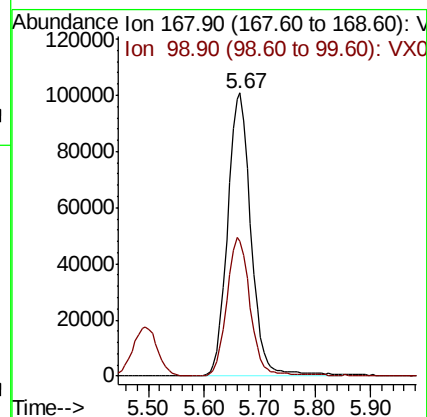
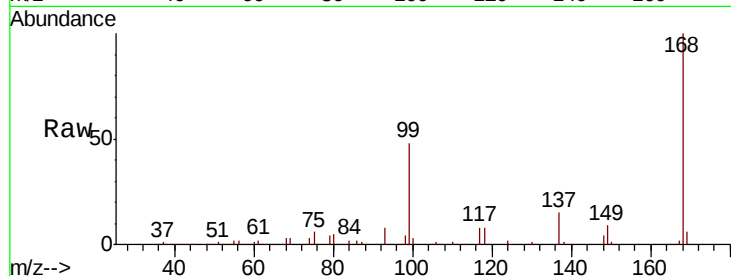
99 47.5 39.9 59.9

Manual Integrations

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10/19/2018 1:51:32 PM



#2

Dichlorodifluoromethane

Concen: 18.463 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005425.D

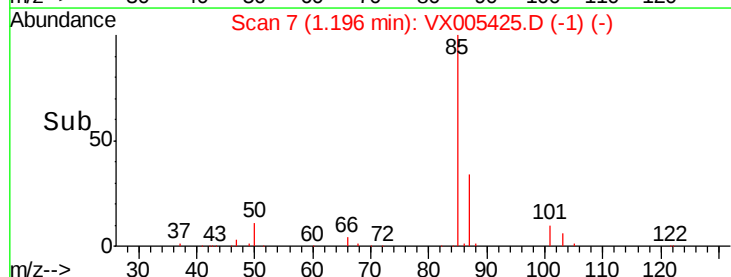
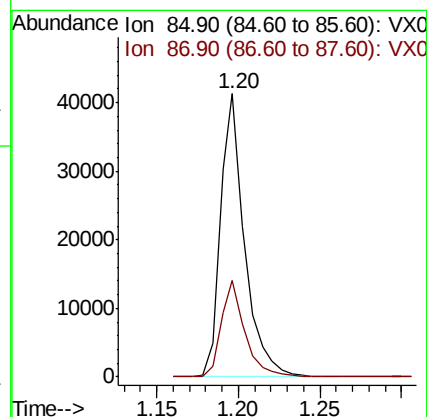
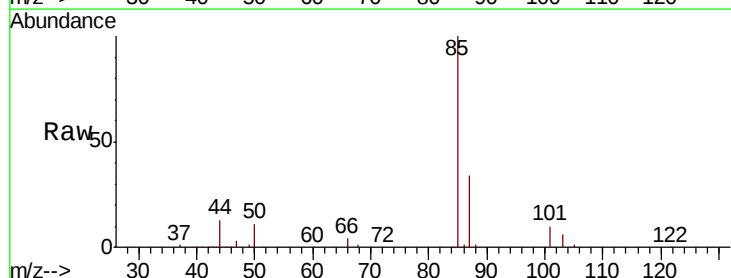
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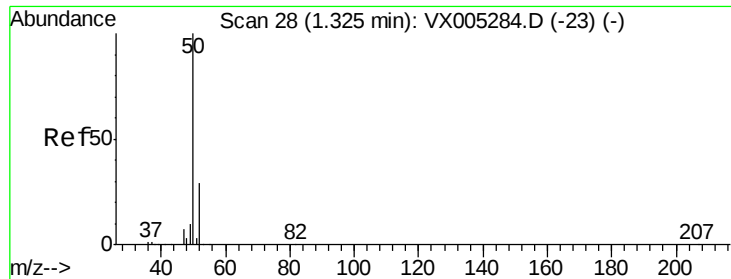
Tgt Ion: 85 Resp: 42527

Ion Ratio Lower Upper

85 100

87 34.3 17.0 50.9





#3

Chloromethane

Concen: 18.048 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005425.D

Acq: 18 Oct 2018 13:03

Instrument :

MSVOA_X

ClientSampleId :

VX1018WBS01

Tot Ion: 50 Resp: 60237

Ion Ratio Lower Upper

50 100

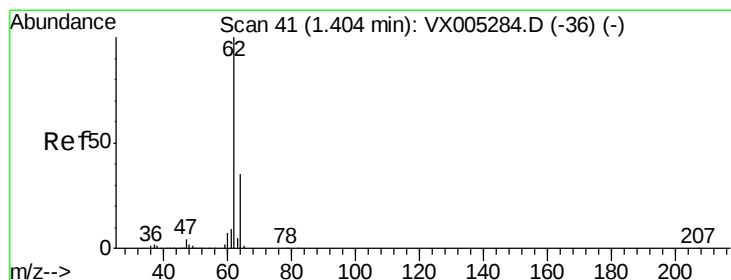
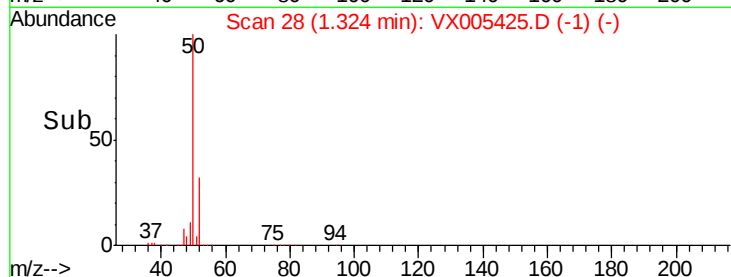
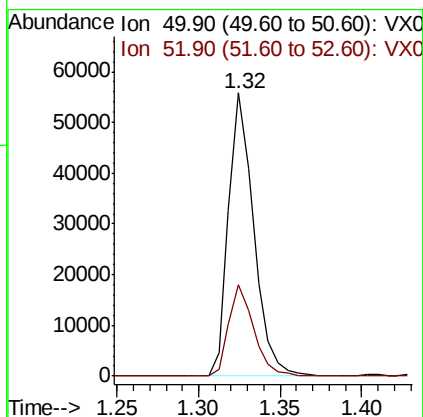
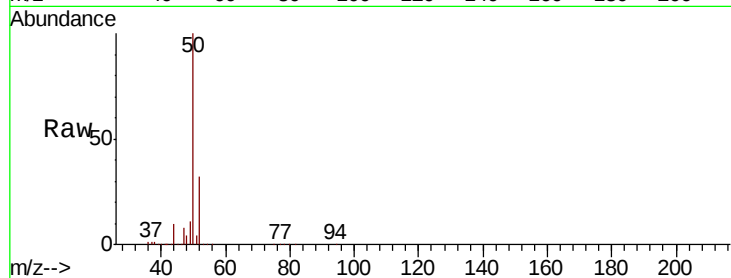
52 32.4 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.480 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX005425.D

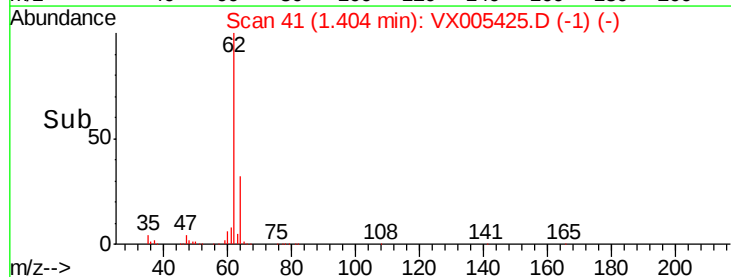
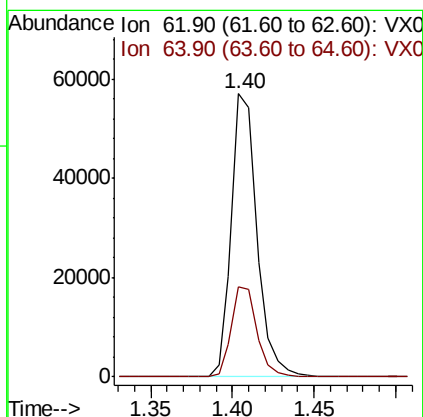
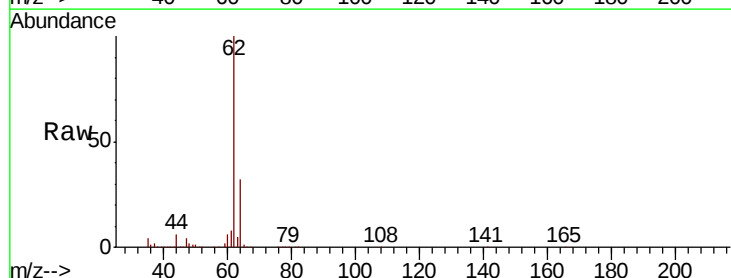
Acq: 18 Oct 2018 13:03

Tgt Ion: 62 Resp: 62483

Ion Ratio Lower Upper

62 100

64 32.0 25.8 38.8





#5

Bromomethane

Concen: 19.852 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005425.D

Acq: 18 Oct 2018 13:03

Instrument :

MSVOA_X

ClientSampleId :

VX1018WBS01

Tot Ion: 94 Resp: 37228

Ion Ratio Lower Upper

94 100

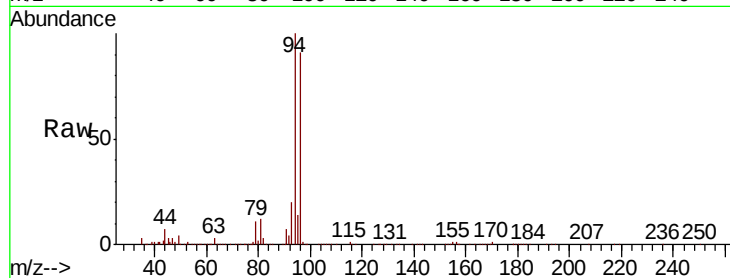
96 91.6 74.5 111.7

Manual Integrations

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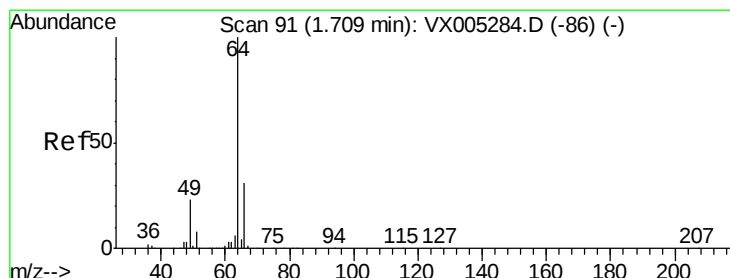
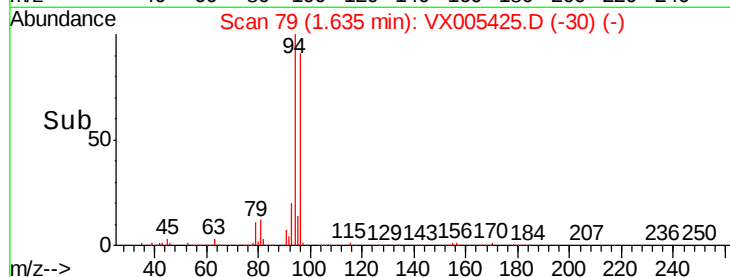
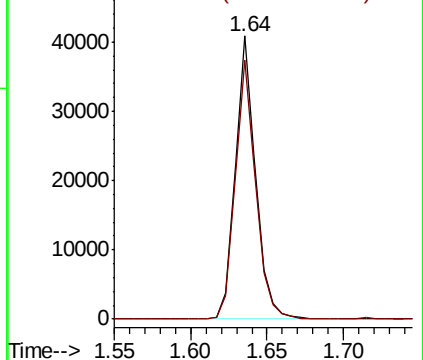
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 18.821 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.01 min

Lab File: VX005425.D

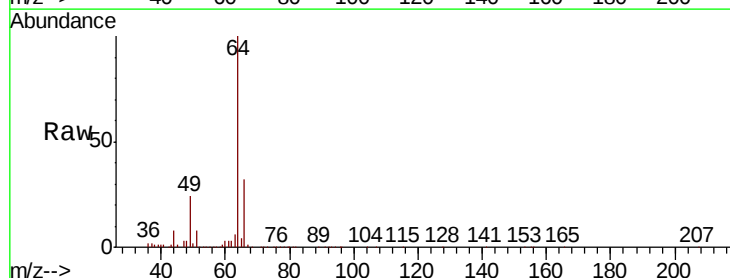
Acq: 18 Oct 2018 13:03

Tgt Ion: 64 Resp: 39526

Ion Ratio Lower Upper

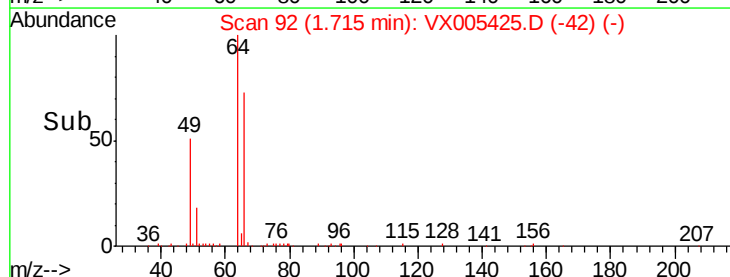
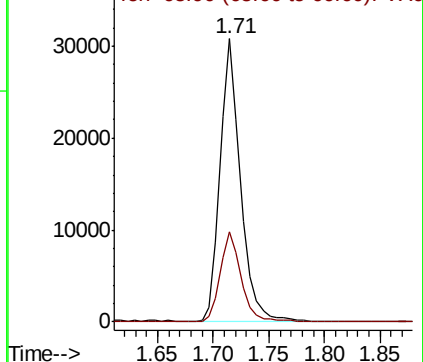
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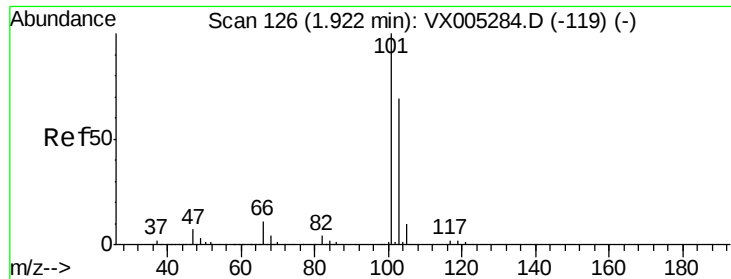
66 31.7 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

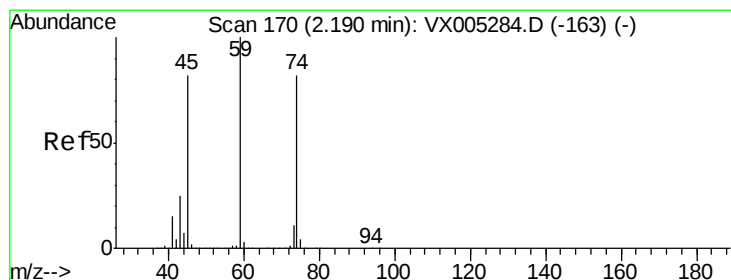
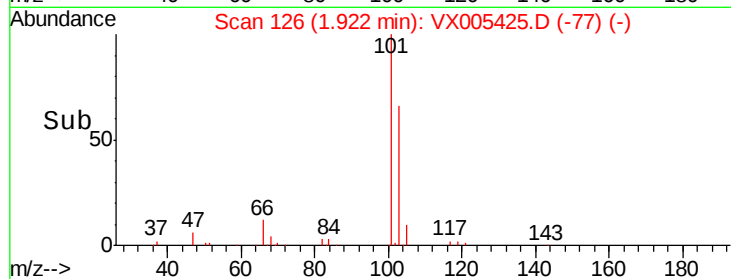
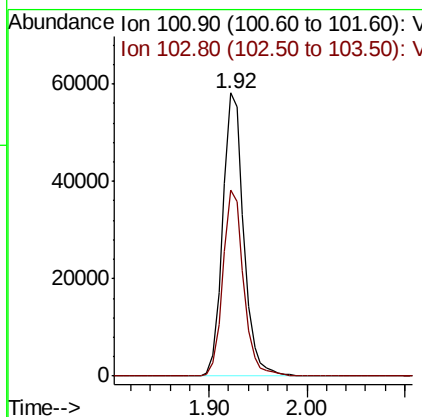
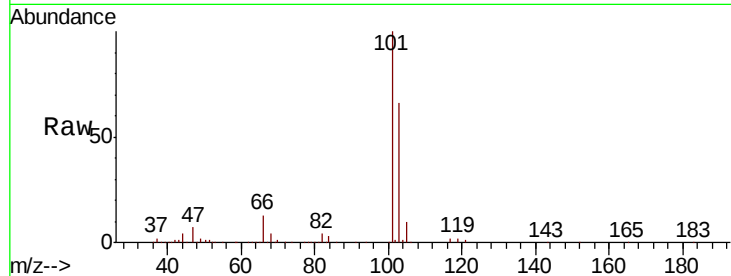
Trichlorofluoromethane
 Concen: 19.171 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. -0.00 min
 Lab File: VX005425.D
 Acq: 18 Oct 2018 13:03

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	48.9	73.3

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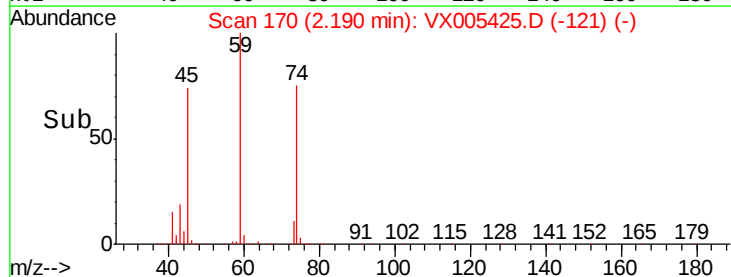
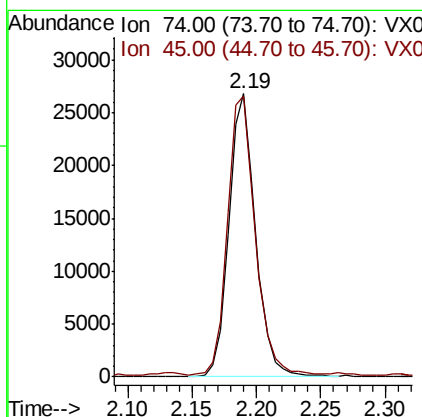
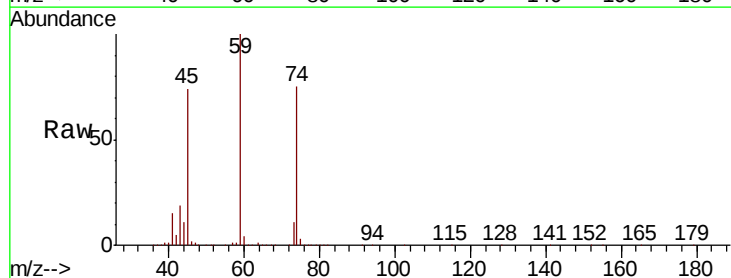
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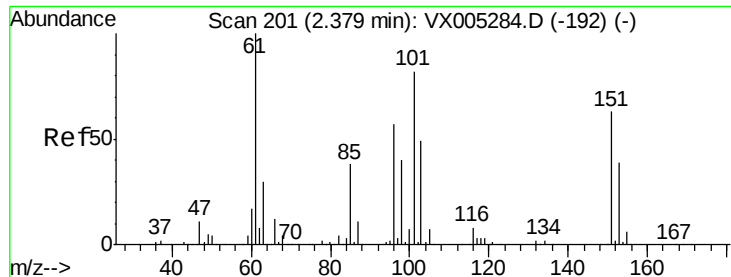


#8

Diethyl Ether
 Concen: 20.150 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX005425.D
 Acq: 18 Oct 2018 13:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.0	48.3	144.8





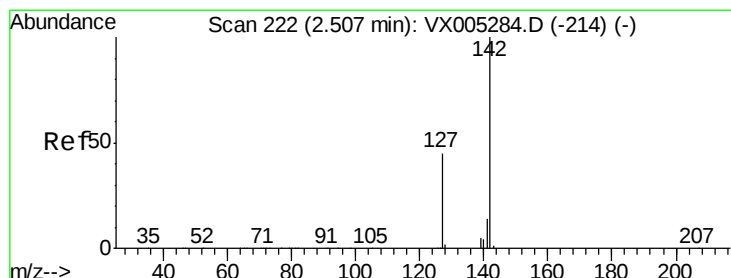
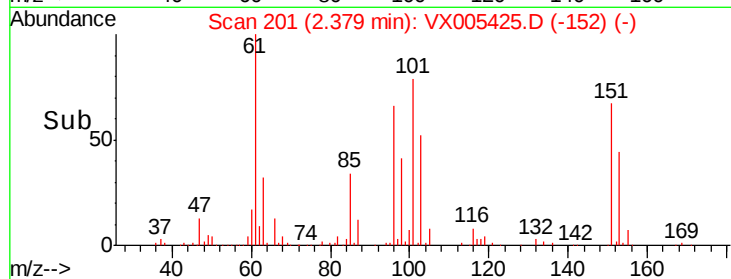
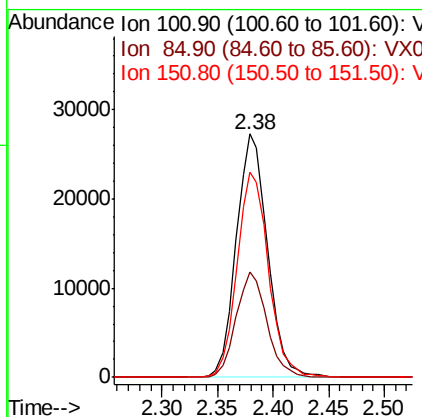
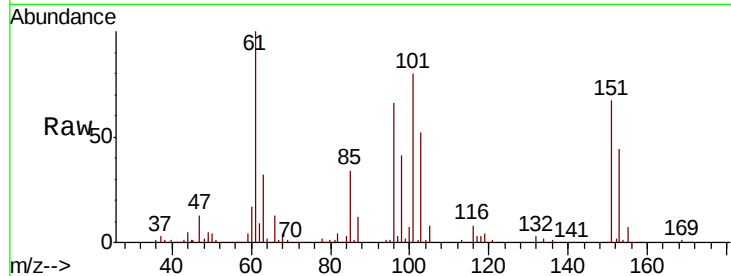
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.319 ug/l
RT: 2.38 min Scan# 201
Delta R.T. -0.00 min
Lab File: VX005425.D
Acq: 18 Oct 2018 13:03

Instrument :
MSVOA_X
ClientSampleId :
VX1018WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	52916		
85	43.0		34.2	51.4
151	85.3		65.0	97.6

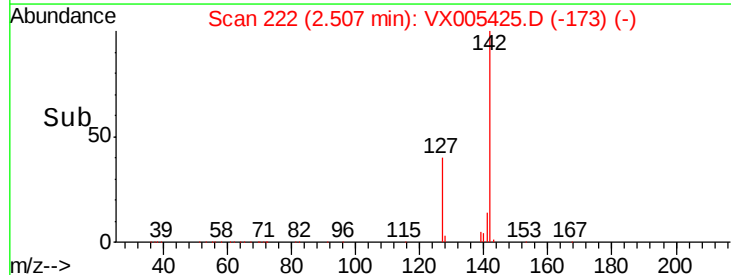
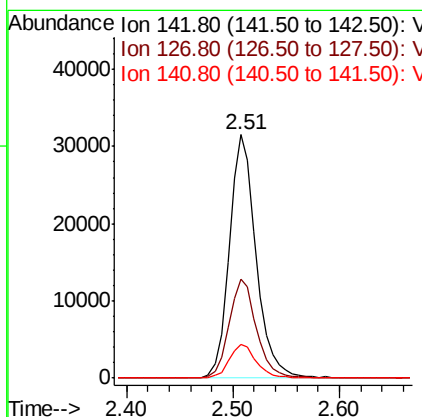
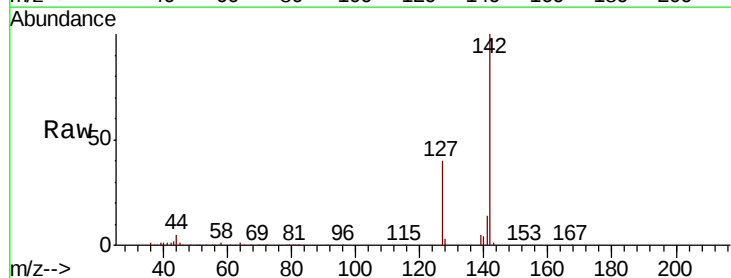
Manual Integrations
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#10
Methyl Iodide
Concen: 20.943 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX005425.D
Acq: 18 Oct 2018 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	55457		
127	41.5		33.8	50.6
141	14.3		11.4	17.0





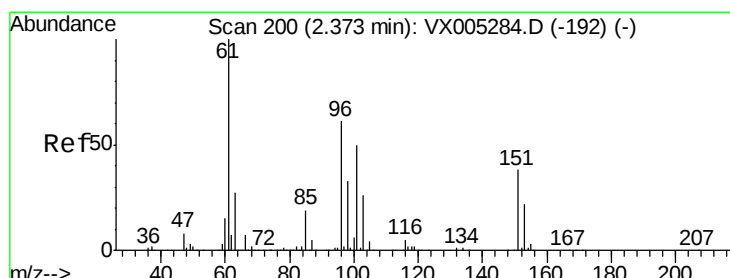
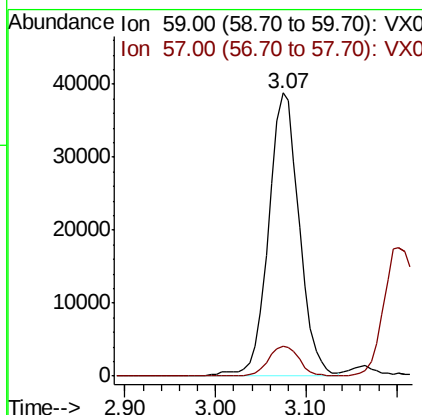
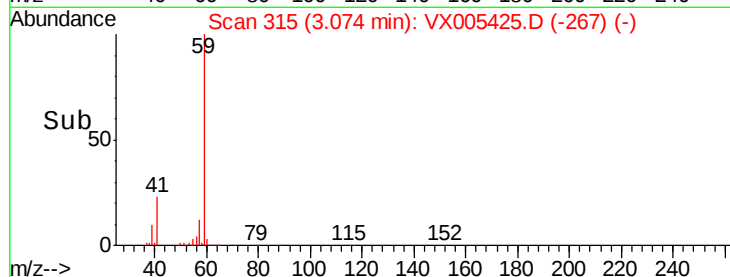
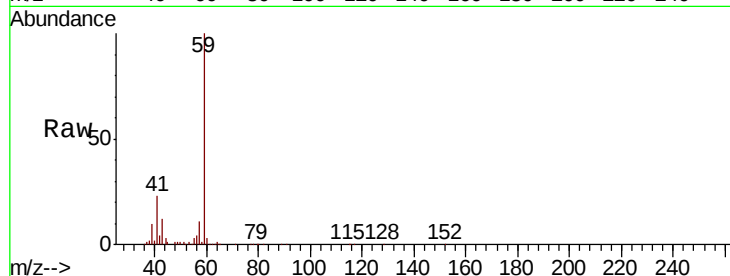
#11
Tert butyl alcohol
Concen: 98.725 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX005425.D
Acq: 18 Oct 2018 13:03

Instrument :
MSVOA_X
ClientSampleId :
VX1018WBS01

Tot Ion: 59 Resp: 91056
Ion Ratio Lower Upper
59 100
57 10.8 8.2 12.4

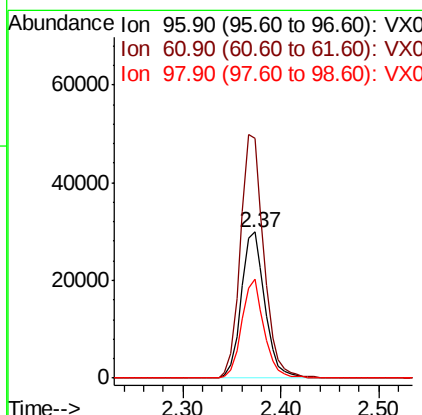
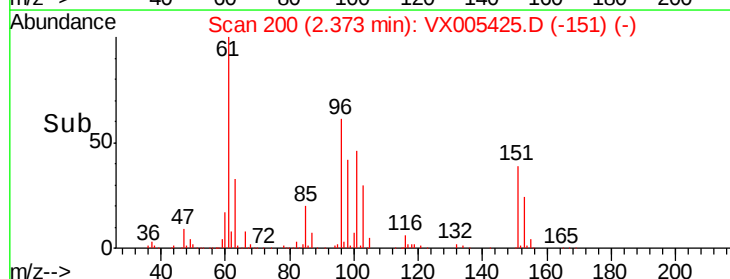
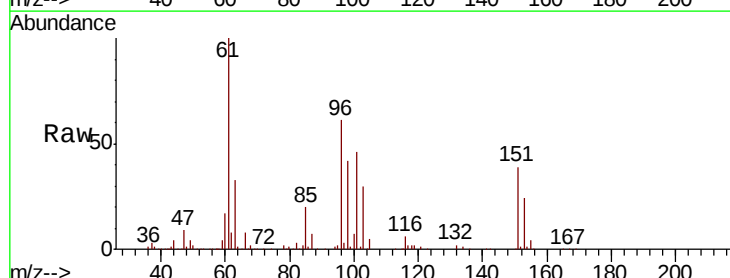
Manual Integrations
APPROVED

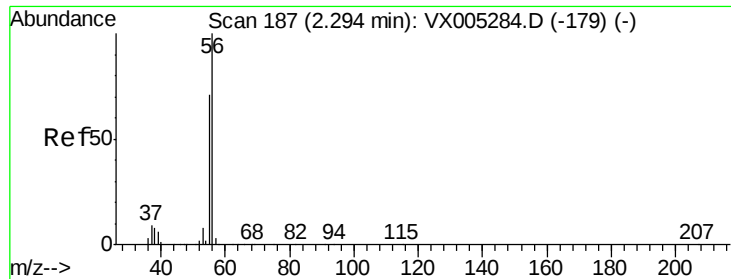
MMDadoda
10/19/2018 1:51:32 PM



#12
1,1-Dichloroethene
Concen: 19.410 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX005425.D
Acq: 18 Oct 2018 13:03

Tgt Ion: 96 Resp: 50082
Ion Ratio Lower Upper
96 100
61 163.7 128.8 193.2
98 68.0 52.2 78.2





#13

Acrolein

Concen: 65.343 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005425.D

Acq: 18 Oct 2018 13:03

Instrument :

MSVOA_X

ClientSampleId :

VX1018WBS01

Tot Ion: 56 Resp: 39398

Ion Ratio Lower Upper

56 100

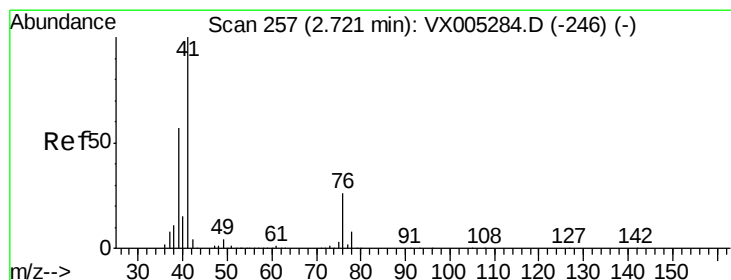
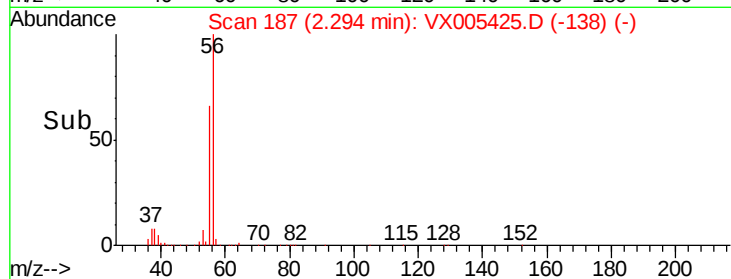
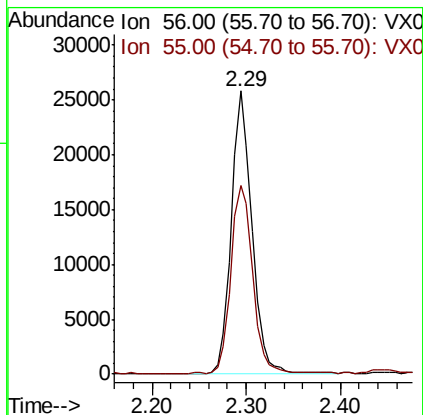
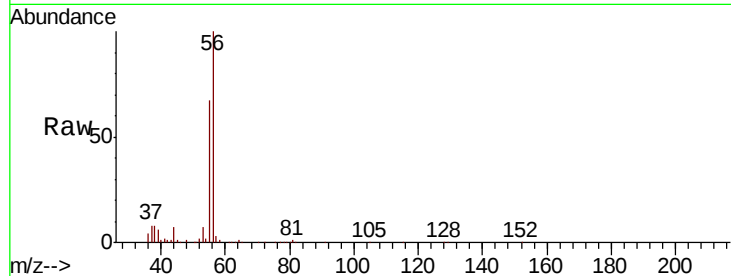
55 71.4 54.7 82.1

Manual Integrations

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#14

Allyl chloride

Concen: 19.407 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX005425.D

Acq: 18 Oct 2018 13:03

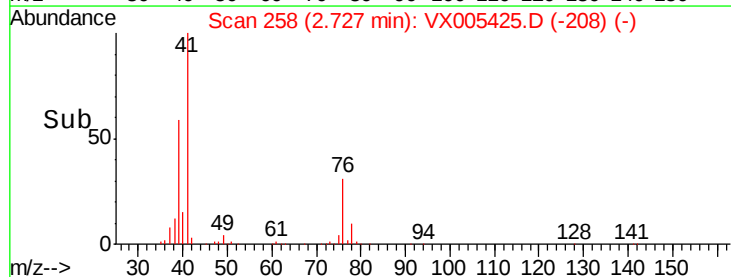
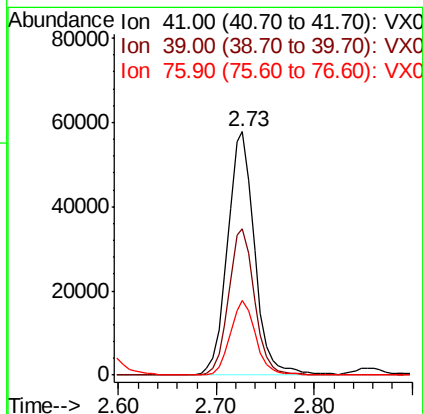
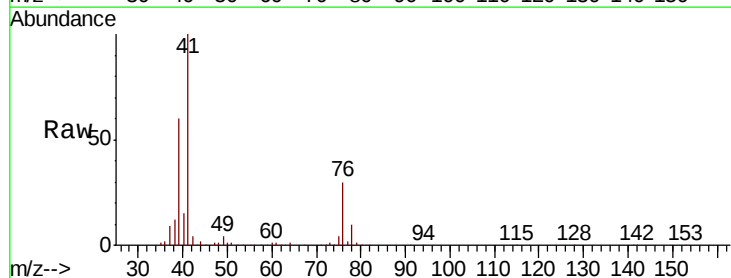
Tgt Ion: 41 Resp: 109940

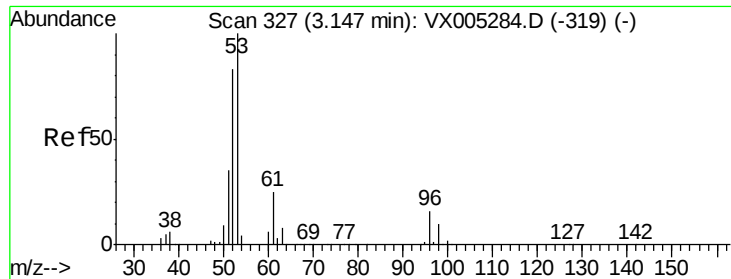
Ion Ratio Lower Upper

41 100

39 57.7 48.9 73.3

76 29.0 26.7 40.1





#15

Acrylonitrile

Concen: 96.578 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX005425.D

Acq: 18 Oct 2018 13:03

Instrument :

MSVOA_X

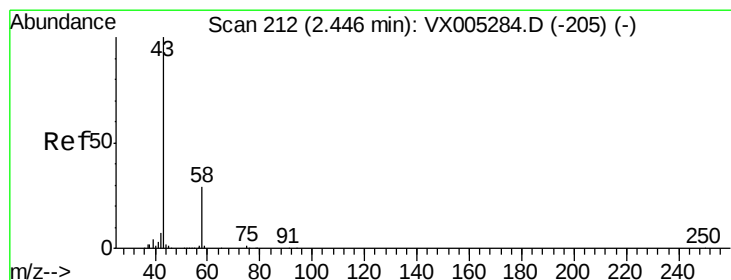
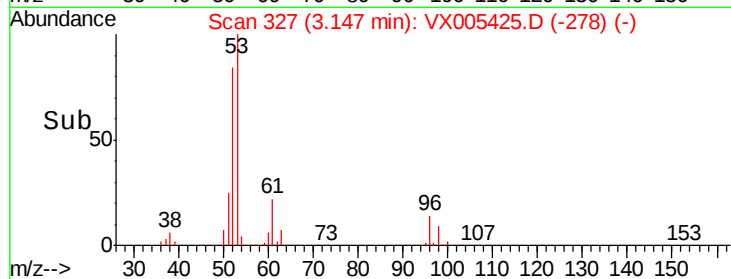
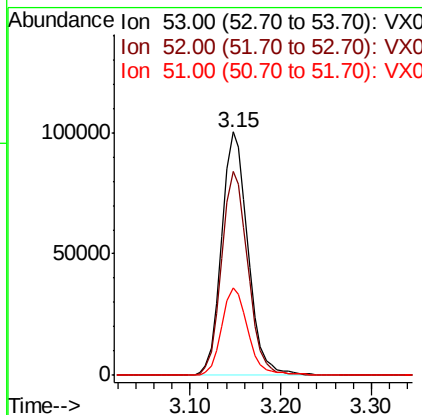
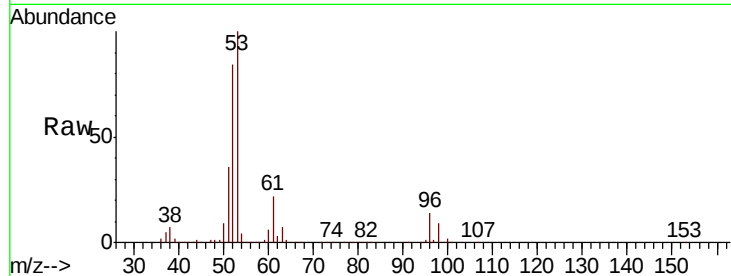
ClientSampleId :

VX1018WBS01

Tot Ion:	53	Resp:	201851
Ion Ratio		Lower	Upper
53	100		
52	83.7	65.2	97.8
51	35.9	28.2	42.2

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#16

Acetone

Concen: 94.643 ug/l

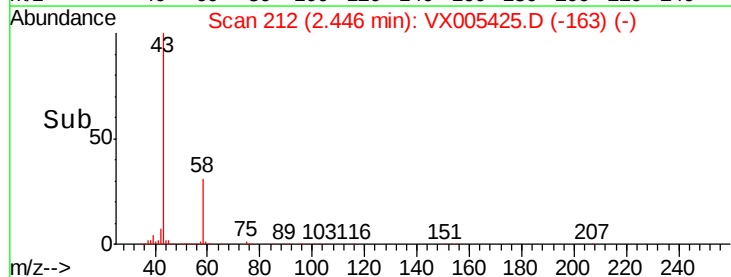
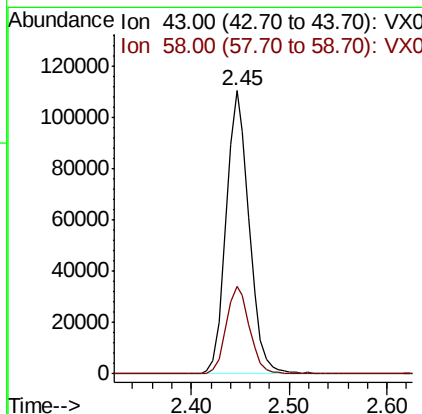
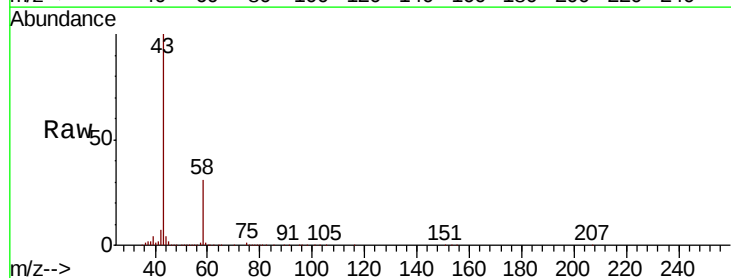
RT: 2.45 min Scan# 212

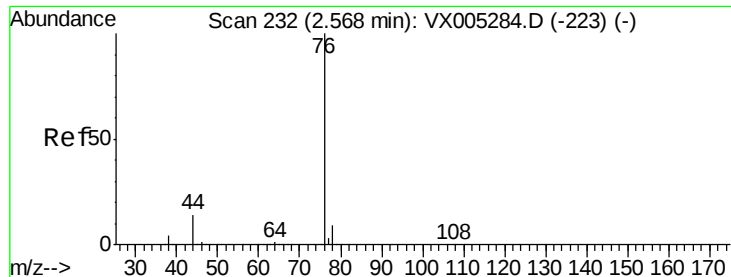
Delta R.T. -0.00 min

Lab File: VX005425.D

Acq: 18 Oct 2018 13:03

Tgt Ion:	43	Resp:	178919
Ion Ratio		Lower	Upper
43	100		
58	30.9	26.2	39.4





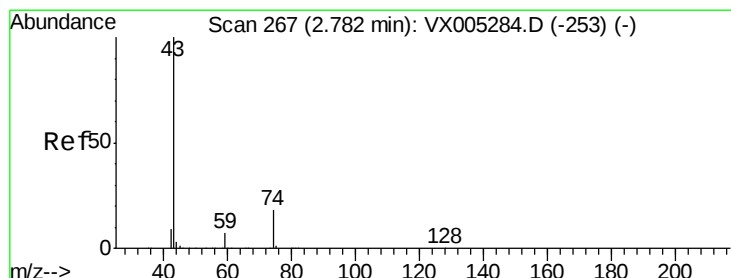
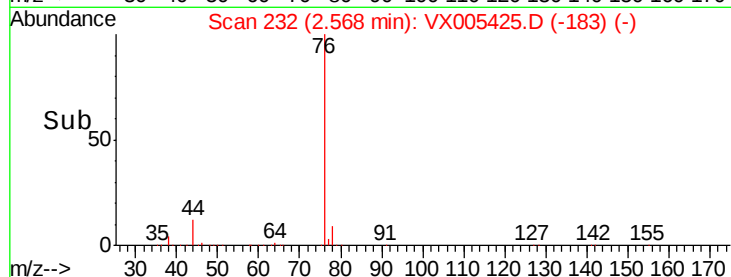
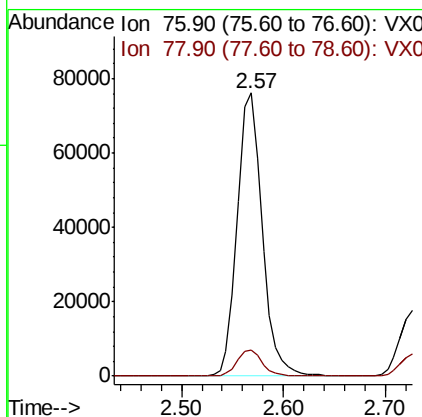
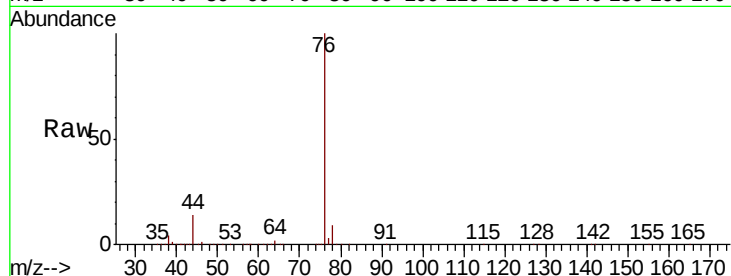
#17
Carbon Disulfide
Concen: 16.518 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX005425.D
Acq: 18 Oct 2018 13:03

Instrument :
MSVOA_X
ClientSampleId :
VX1018WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.0	10.6

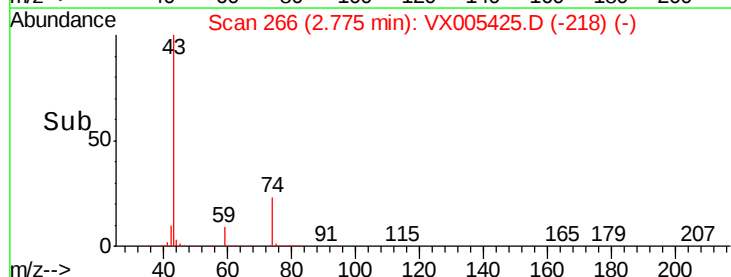
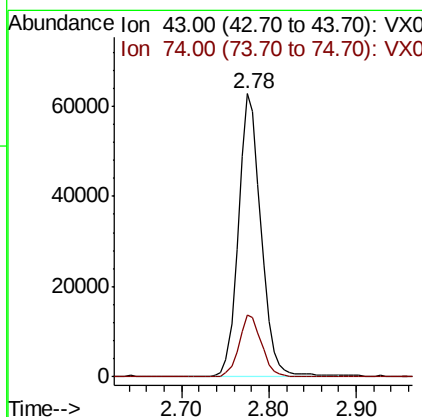
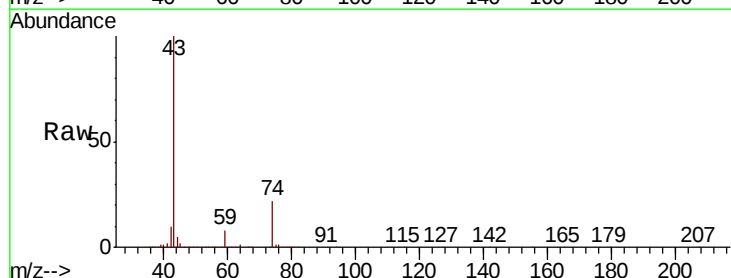
Manual Integrations
APPROVED

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#18
Methyl Acetate
Concen: 20.933 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005425.D
Acq: 18 Oct 2018 13:03

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.5	19.4	29.2





#19

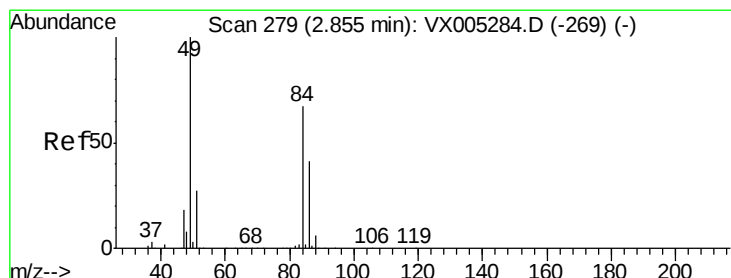
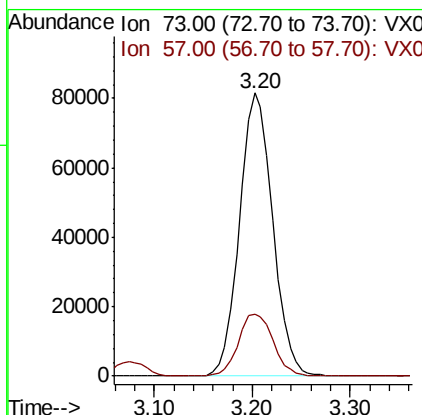
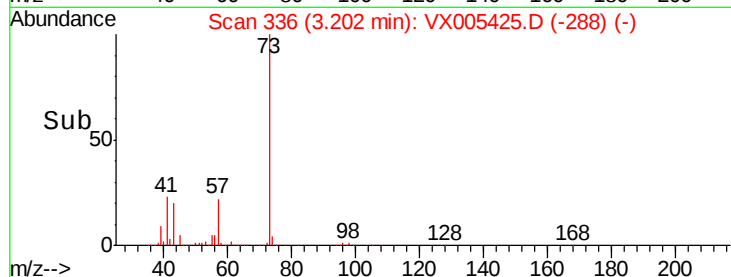
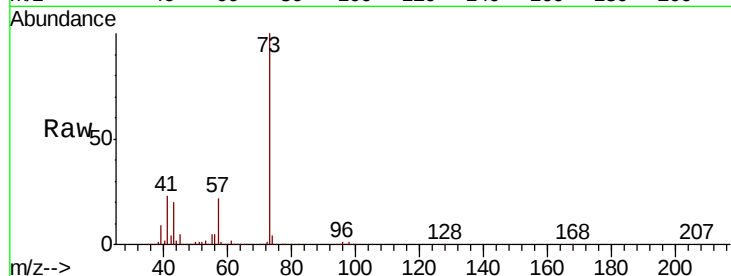
Methyl tert-butyl Ether
 Concen: 21.124 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. -0.01 min
 Lab File: VX005425.D
 Acq: 18 Oct 2018 13:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1018WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.1	25.7

Manual Integrations
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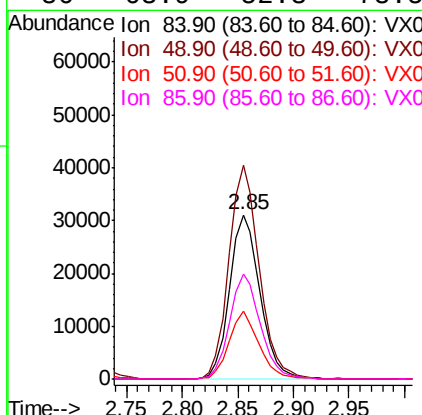
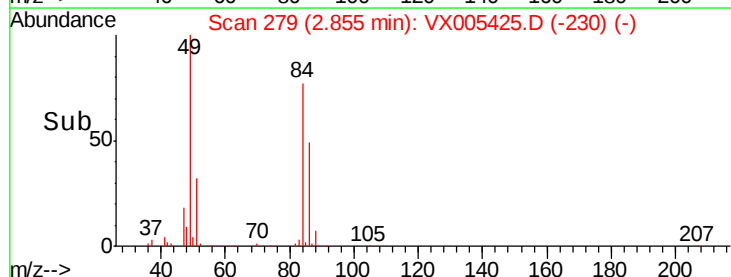
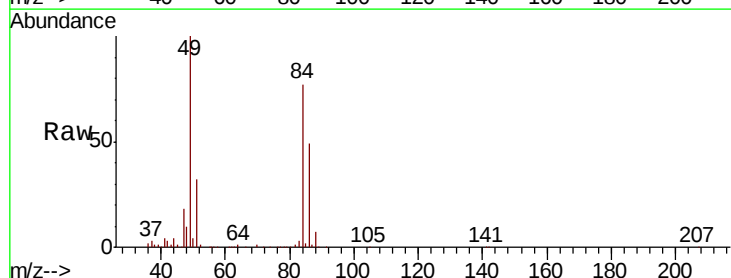
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 10/19/2018 1:51:32 PM



#20

Methylene Chloride
 Concen: 20.570 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX005425.D
 Acq: 18 Oct 2018 13:03

Tgt Ion	Ratio	Lower	Upper
84	100		
49	130.3	101.2	151.8
51	40.7	29.5	44.3
86	63.9	52.3	78.5





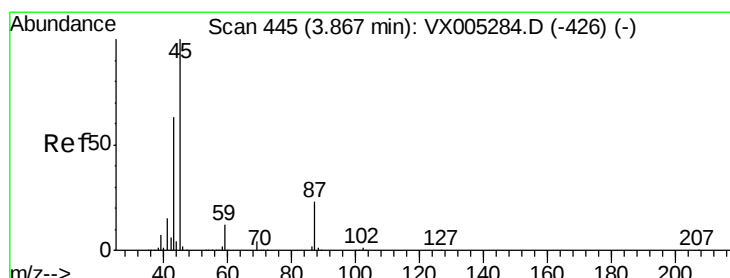
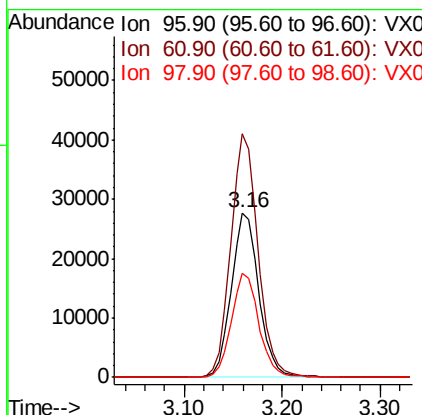
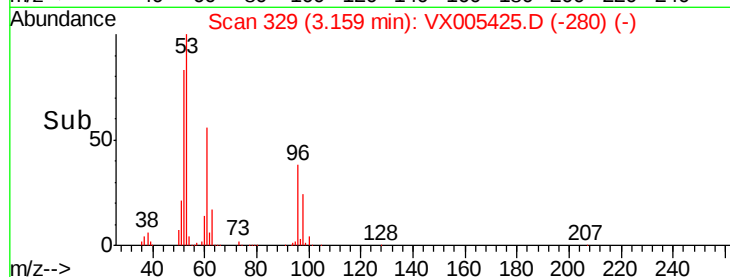
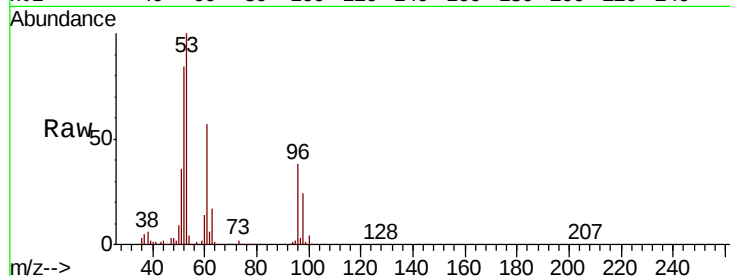
#21
trans-1,2-Dichloroethene
Concen: 18.925 ug/l
RT: 3.16 min Scan# 329
Delta R.T. -0.00 min
Lab File: VX005425.D
Acq: 18 Oct 2018 13:03

Instrument :
MSVOA_X
ClientSampleId :
VX1018WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.6	113.8	170.6
98	63.3	51.8	77.8

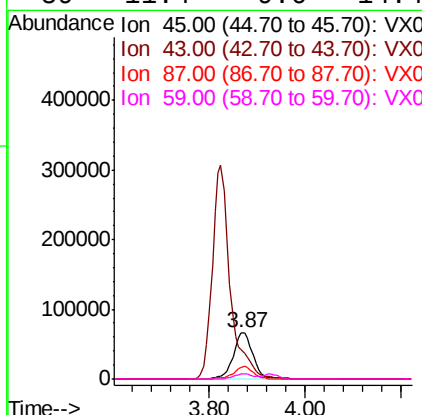
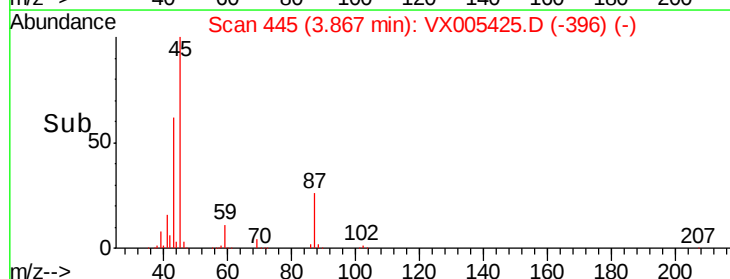
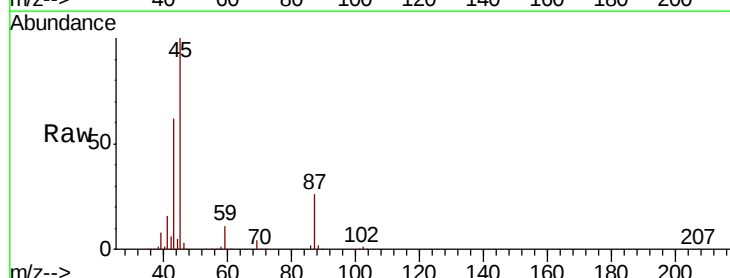
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#22
Diisopropyl ether
Concen: 19.835 ug/l
RT: 3.87 min Scan# 445
Delta R.T. -0.00 min
Lab File: VX005425.D
Acq: 18 Oct 2018 13:03

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.4	42.8	64.2
87	26.1	22.6	34.0
59	11.4	9.6	14.4





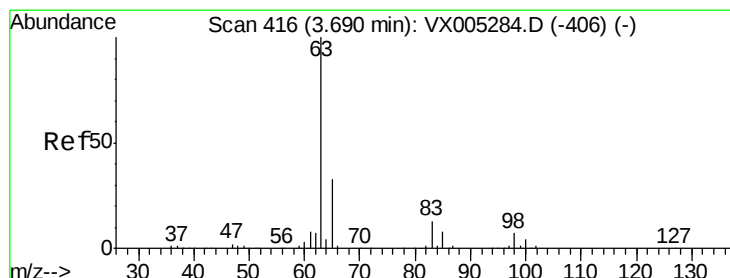
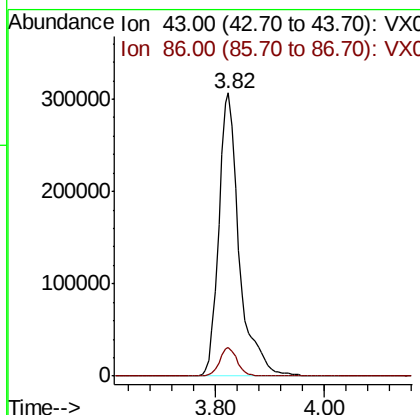
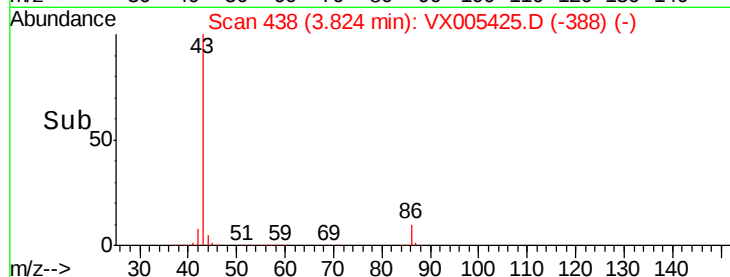
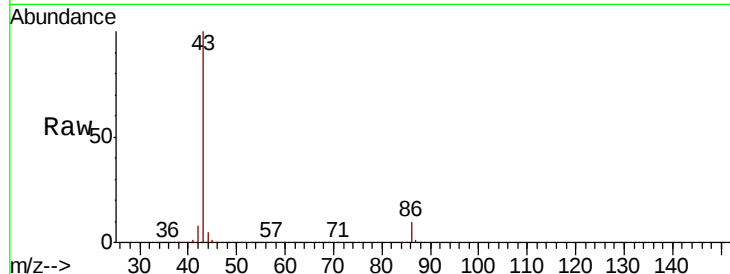
#23
 Vinyl Acetate
 Concen: 95.825 ug/l
 RT: 3.82 min Scan# 438
 Delta R.T. 0.01 min
 Lab File: VX005425.D
 Acq: 18 Oct 2018 13:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1018WBS01

Tot Ion	43	86	Resp	Lower	Upper
796928	100	9.9		8.9	13.3

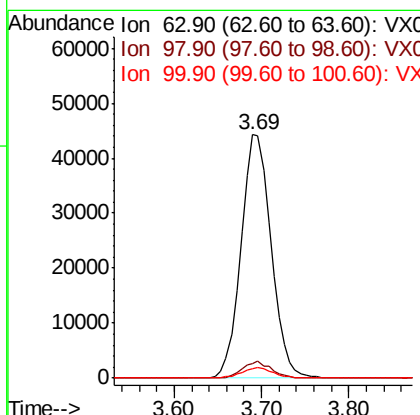
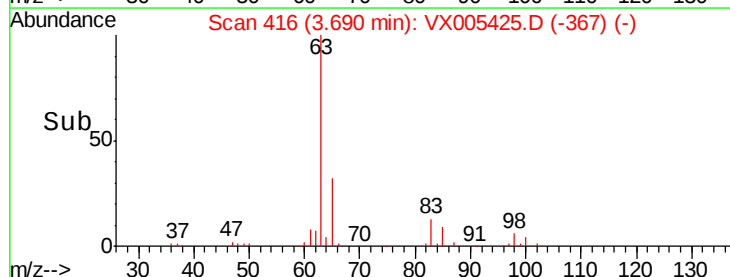
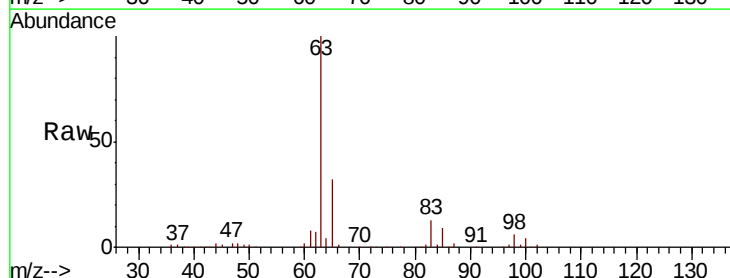
Manual Integrations
 APPROVED

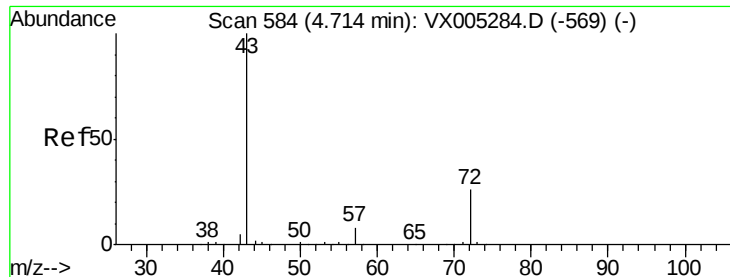
MMDadoda
 10/19/2018 1:51:32 PM



#24
 1,1-Dichloroethane
 Concen: 19.429 ug/l
 RT: 3.69 min Scan# 416
 Delta R.T. -0.00 min
 Lab File: VX005425.D
 Acq: 18 Oct 2018 13:03

Tgt Ion	63	98	100	Resp	Lower	Upper
105950	100	6.2	3.9		3.5	10.4





#25

2-Butanone

Concen: 96.388 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX005425.D

Acq: 18 Oct 2018 13:03

Instrument :

MSVOA_X

ClientSampleId :

VX1018WBS01

Tot Ion: 43 Resp: 266608

Ion Ratio Lower Upper

43 100

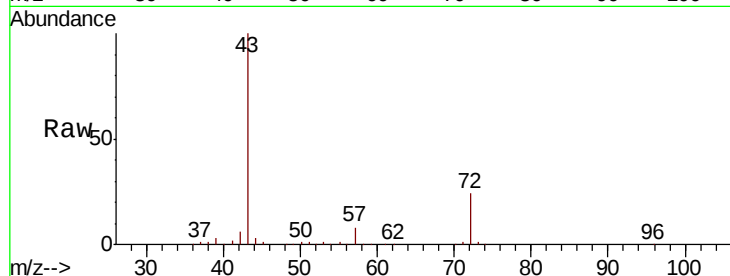
72 24.3 22.0 33.0

Manual Integrations

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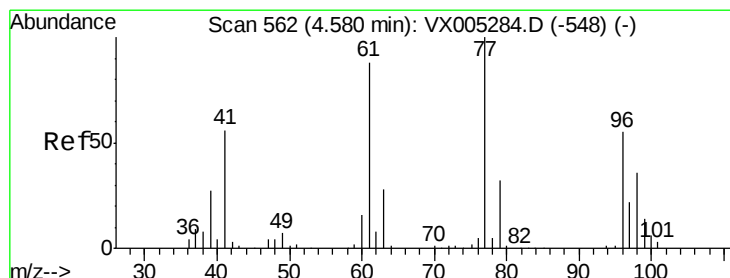
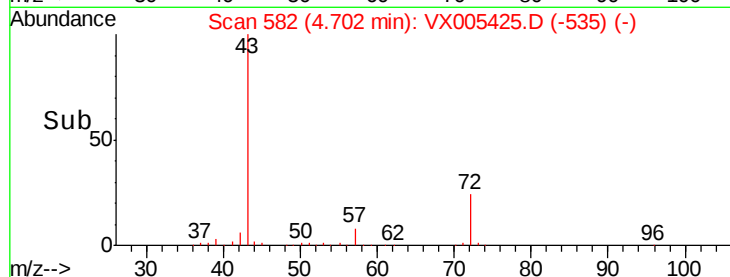
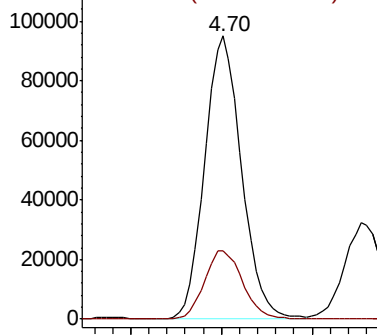
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 19.464 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX005425.D

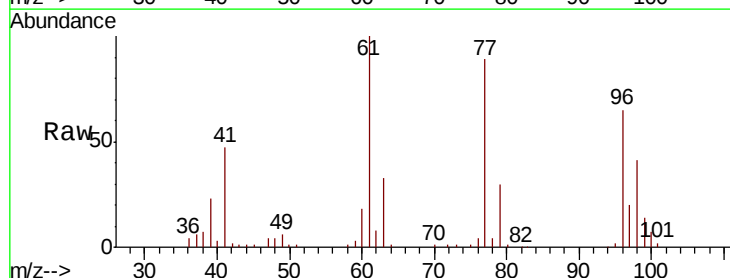
Acq: 18 Oct 2018 13:03

Tgt Ion: 77 Resp: 79382

Ion Ratio Lower Upper

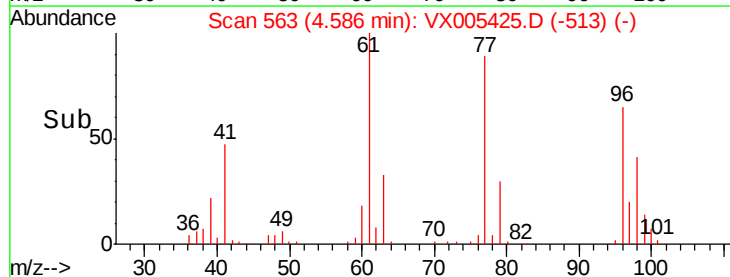
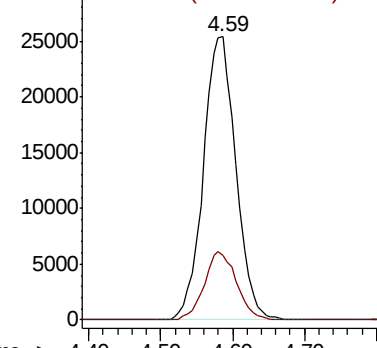
77 100

97 23.8 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

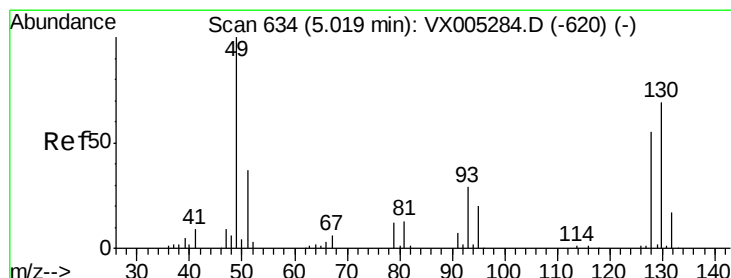
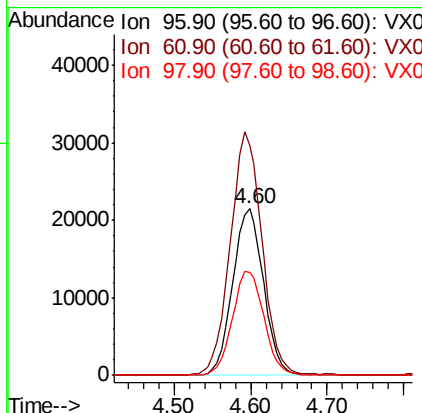
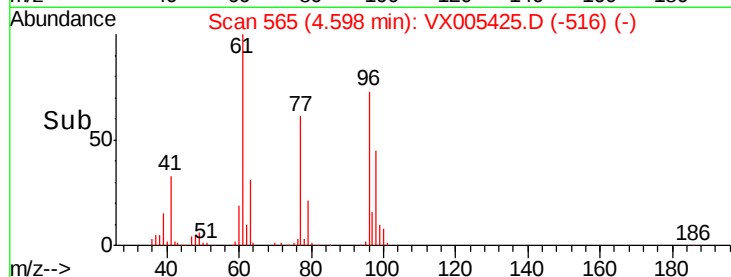
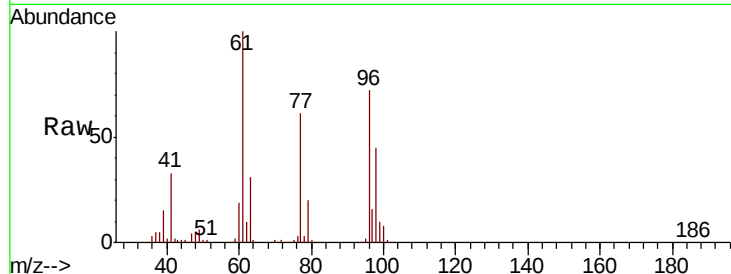
cis-1,2-Dichloroethene
Concen: 19.307 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX005425.D
Acq: 18 Oct 2018 13:03

Instrument :
MSVOA_X
ClientSampleId :
VX1018WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	149.1	0.0	282.6	
98	63.8	0.0	130.2	

Manual Integrations
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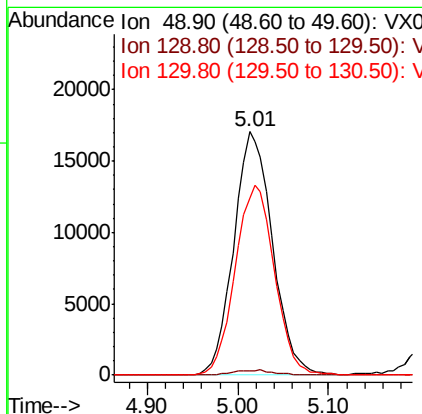
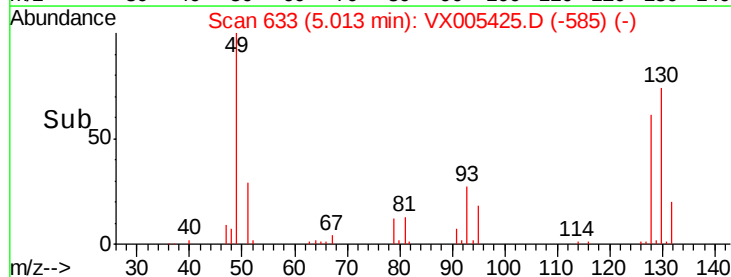
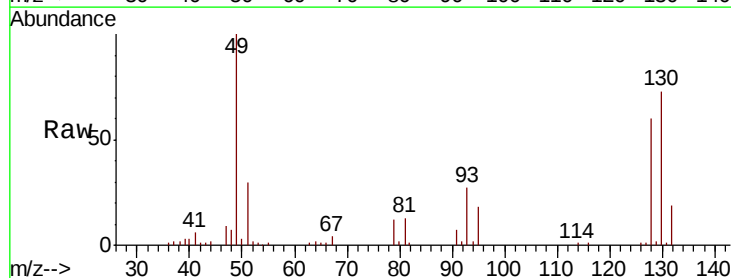
MMDadoda
10/19/2018 1:51:32 PM

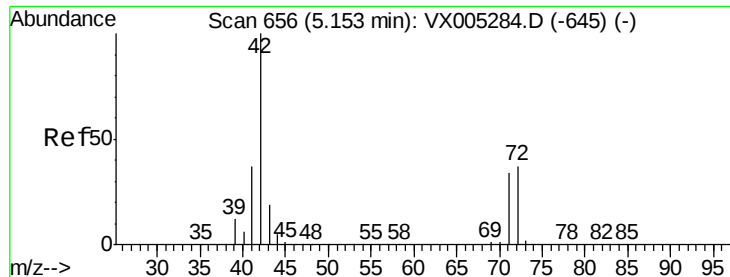


#28

Bromochloromethane
Concen: 20.350 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX005425.D
Acq: 18 Oct 2018 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.1	0.0	4.2	
130	78.9	67.5	101.3	





#29

Tetrahydrofuran

Concen: 95.704 ug/l

RT: 5.15 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX005425.D

Acq: 18 Oct 2018 13:03

Instrument :

MSVOA_X

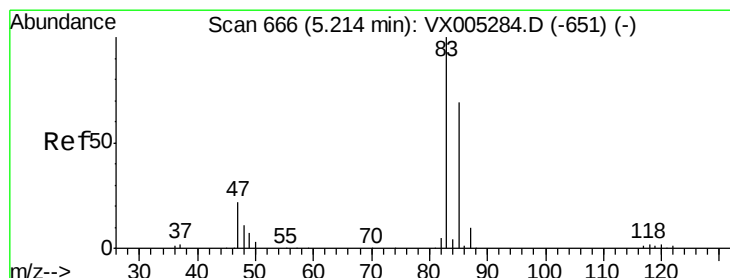
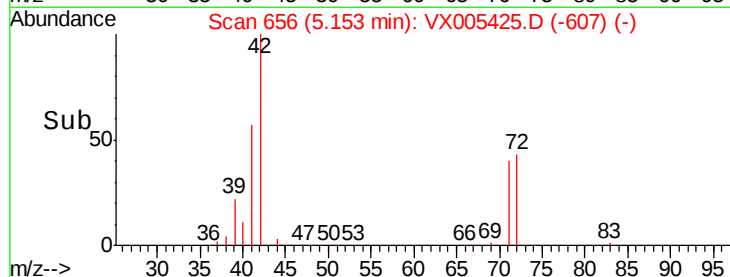
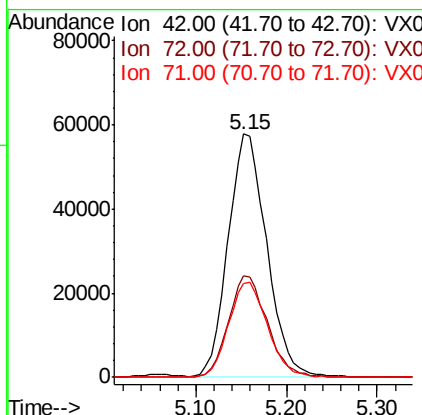
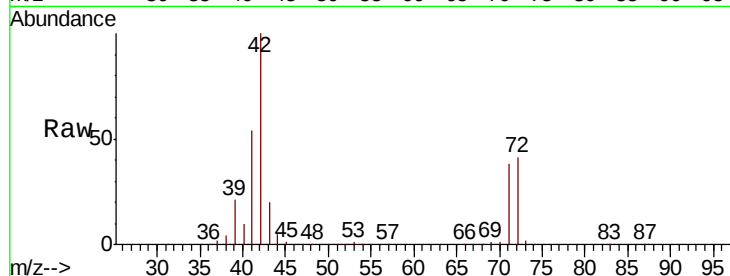
ClientSampleId :

VX1018WBS01

Tot Ion:	42	Resp:	168854
Ion	Ratio	Lower	Upper
42	100		
72	42.5	37.4	56.0
71	39.9	34.5	51.7

Manual Integrations
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#30

Chloroform

Concen: 19.459 ug/l

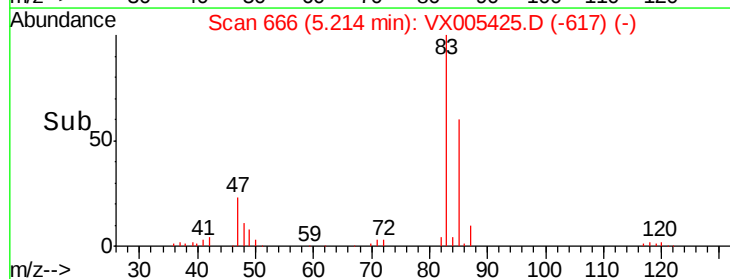
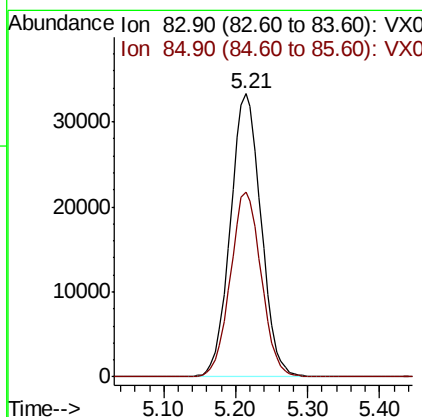
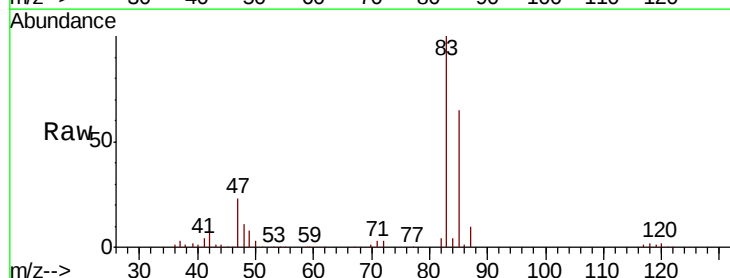
RT: 5.21 min Scan# 666

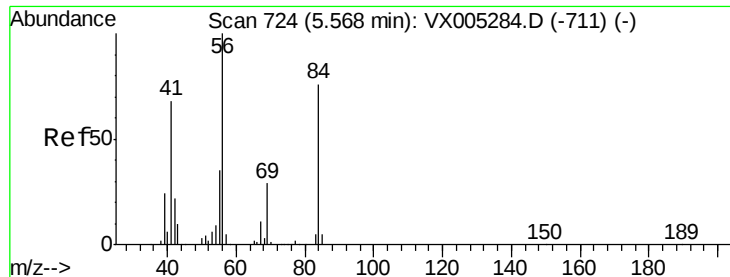
Delta R.T. -0.00 min

Lab File: VX005425.D

Acq: 18 Oct 2018 13:03

Tgt Ion:	83	Resp:	98493
Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.6	79.0





#31

Cyclohexane

Concen: 19.424 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.01 min

Lab File: VX005425.D

Acq: 18 Oct 2018 13:03

Instrument :

MSVOA_X

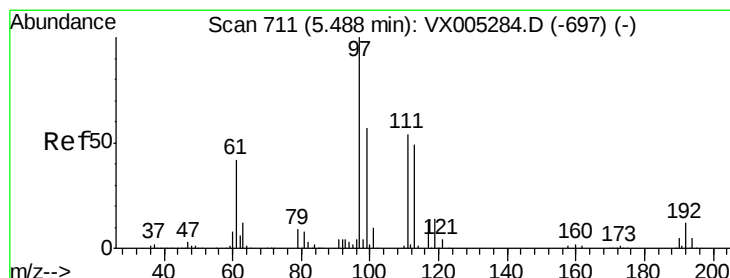
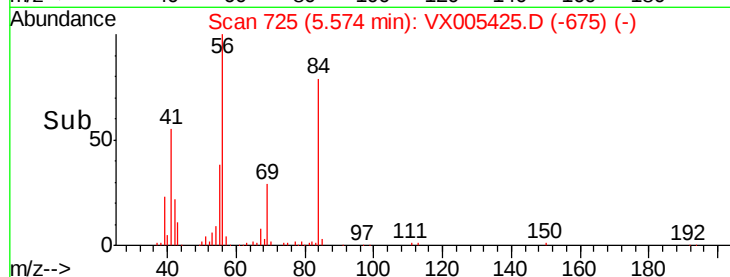
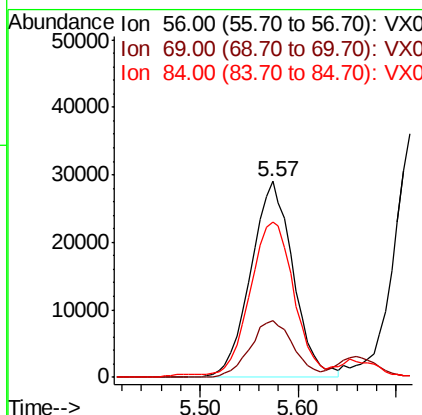
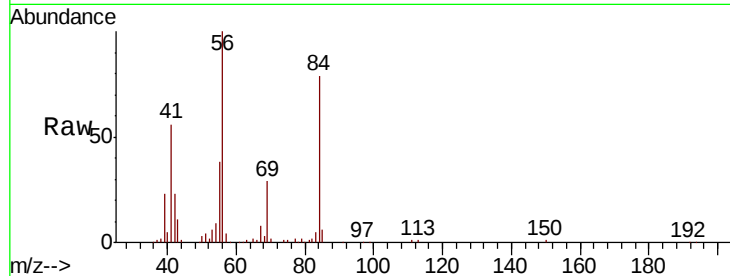
ClientSampleId :

VX1018WBS01

Tot Ion:	56	Resp:	87301
Ion	Ratio	Lower	Upper
56	100		
69	29.2	25.4	38.2
84	77.6	71.4	107.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.133 ug/l

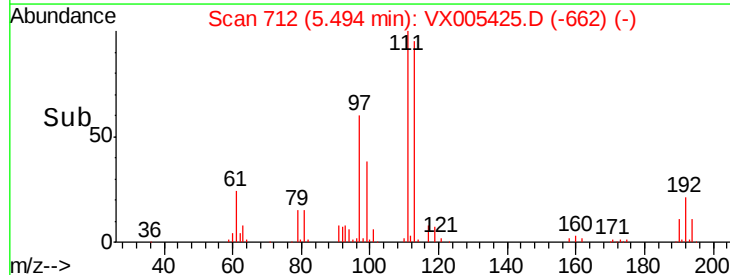
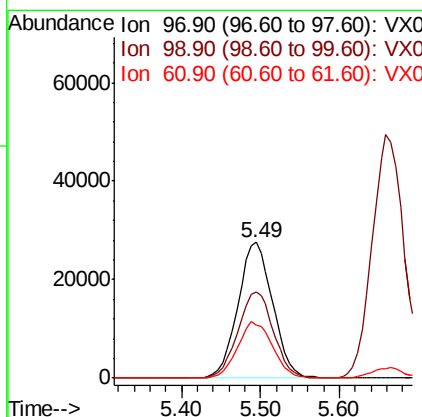
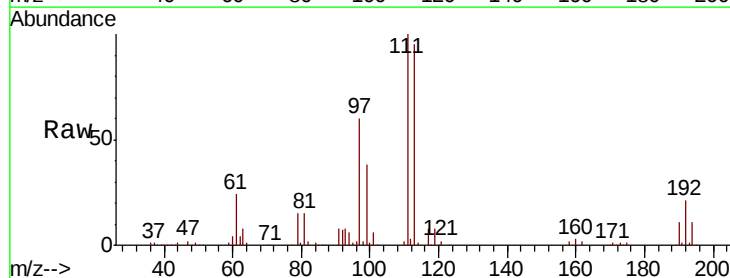
RT: 5.49 min Scan# 712

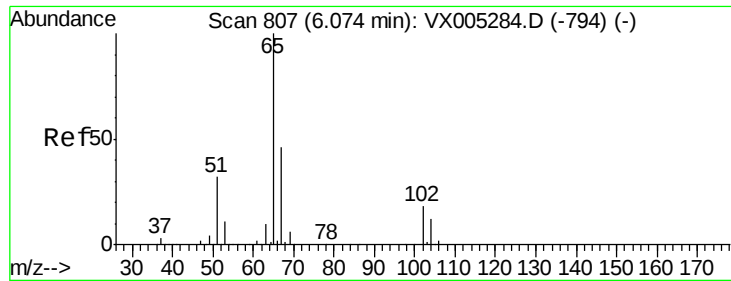
Delta R.T. 0.01 min

Lab File: VX005425.D

Acq: 18 Oct 2018 13:03

Tgt Ion:	97	Resp:	84267
Ion	Ratio	Lower	Upper
97	100		
99	65.0	52.0	78.0
61	42.1	34.9	52.3





#33

1,2-Dichloroethane-d4

Concen: 48.354 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX005425.D

Acq: 18 Oct 2018 13:03

Tot Ion: 65 Resp: 158100

Ion Ratio Lower Upper

65 100

67 53.3 0.0 106.8

Instrument :

MSVOA_X

ClientSampleId :

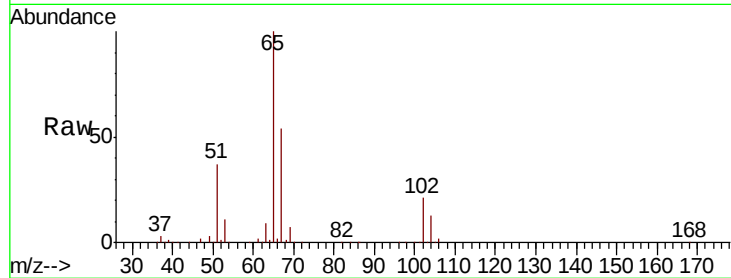
VX1018WBS01

Manual Integrations

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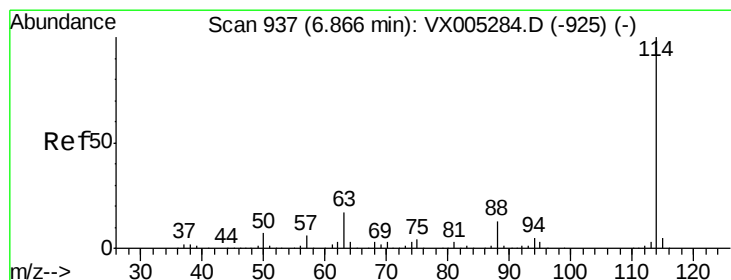
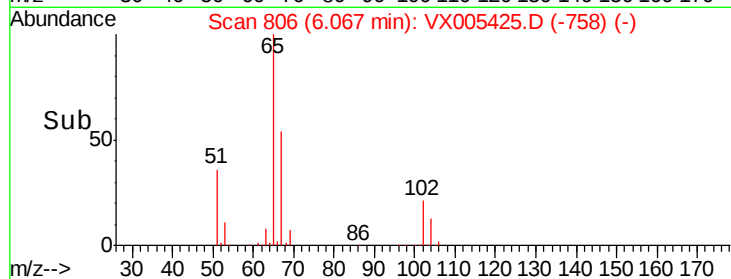
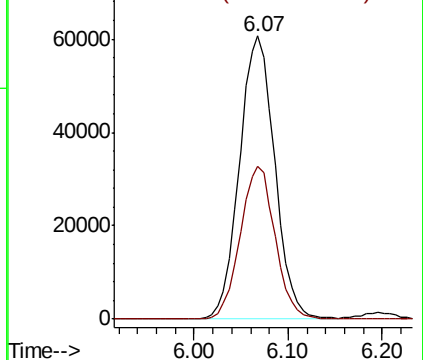
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.01 min

Lab File: VX005425.D

Acq: 18 Oct 2018 13:03

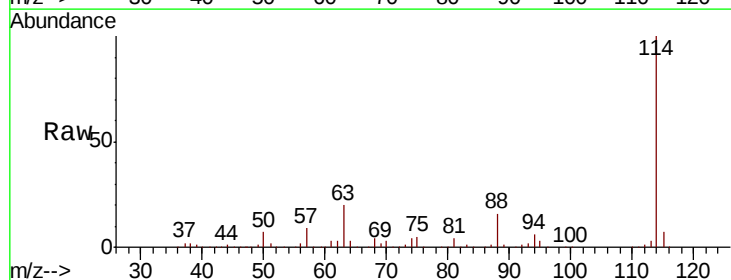
Tgt Ion: 114 Resp: 427419

Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.0

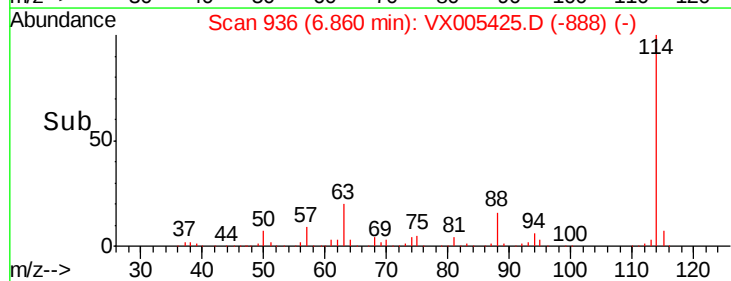
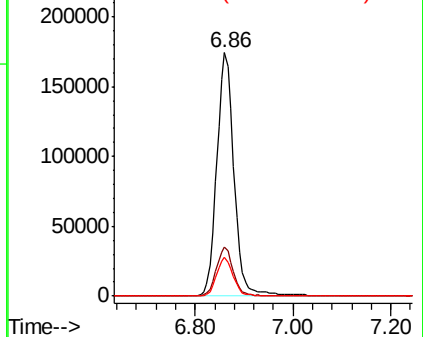
88 15.9 0.0 30.4

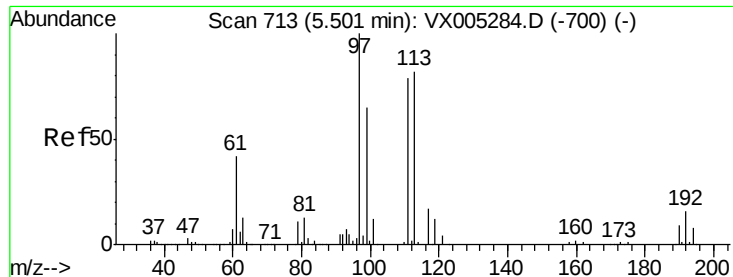


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





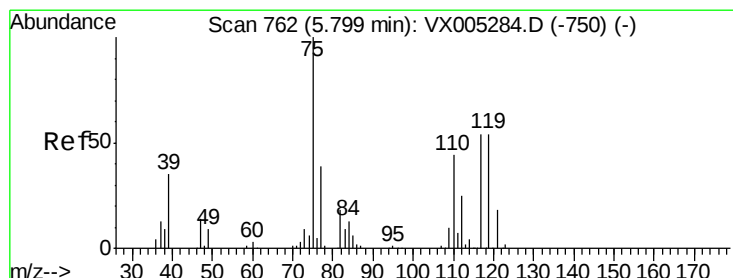
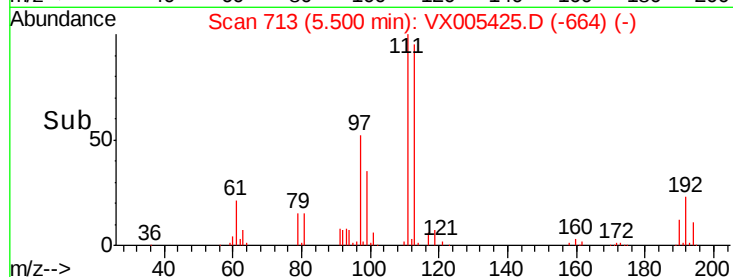
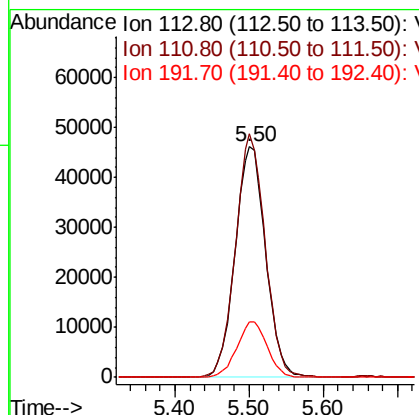
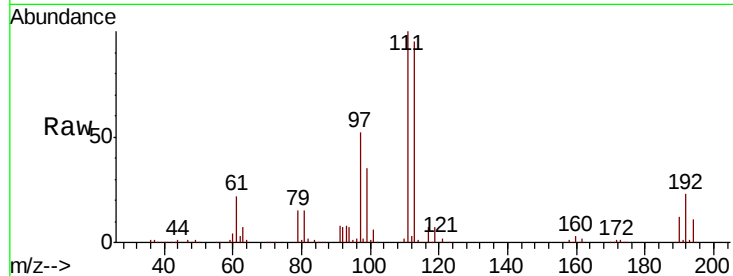
#35
 Dibromofluoromethane
 Concen: 46.933 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX005425.D
 Acq: 18 Oct 2018 13:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1018WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.2	82.4	123.6	
192	23.8	19.4	29.2	

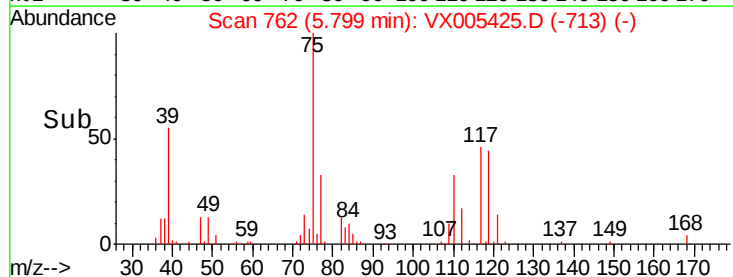
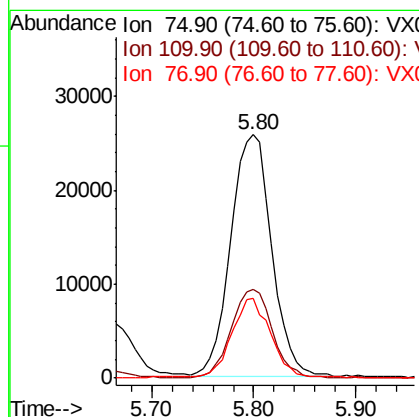
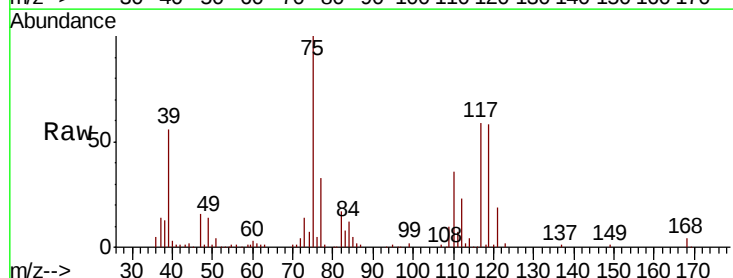
Manual Integrations
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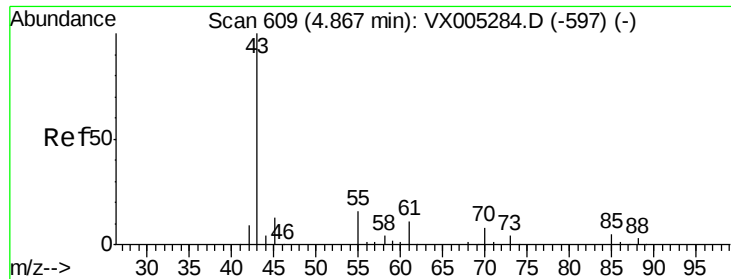
MMDadoda
 10/19/2018 1:51:32 PM



#36
 1,1-Dichloropropene
 Concen: 17.302 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX005425.D
 Acq: 18 Oct 2018 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.9	18.0	54.0	
77	30.5	24.6	36.8	





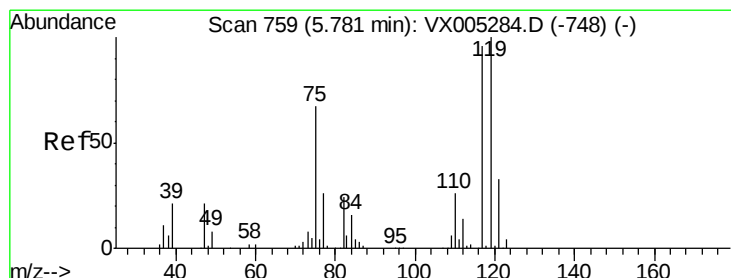
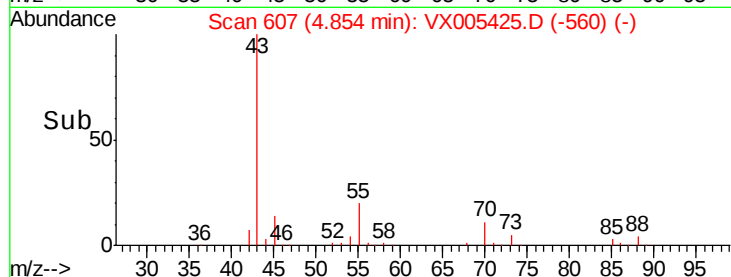
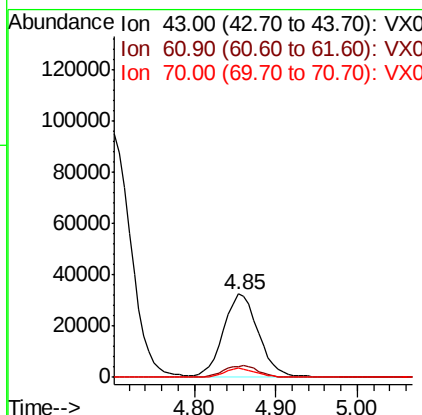
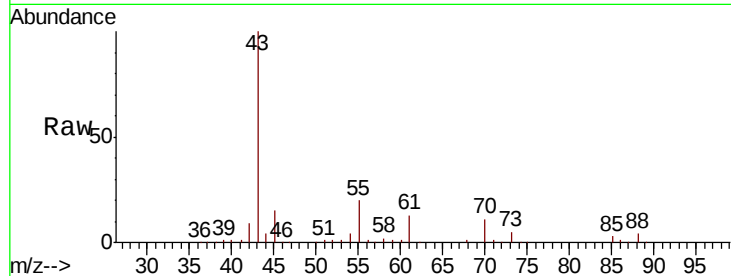
#37
Ethyl Acetate
Concen: 18.044 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.01 min
Lab File: VX005425.D
Acq: 18 Oct 2018 13:03

Instrument :
MSVOA_X
ClientSampleId :
VX1018WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.5	17.3
70	10.4	9.0	13.6

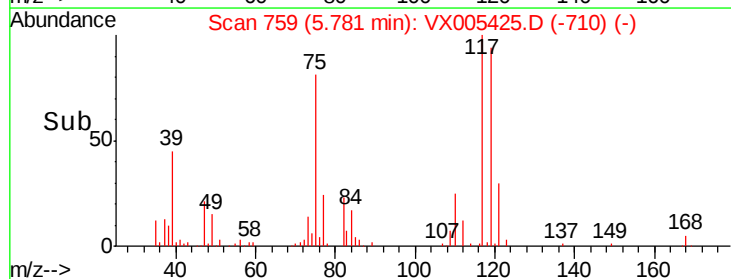
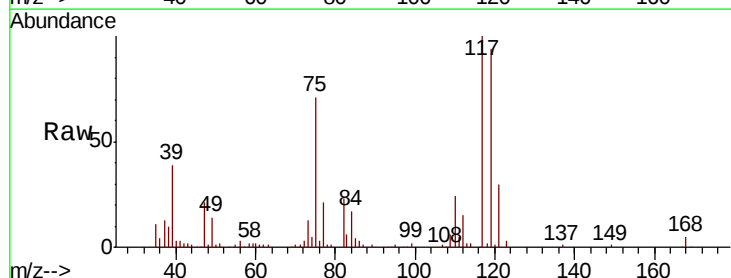
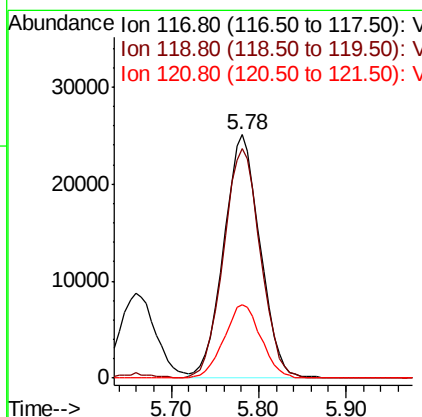
Manual Integrations
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#38
Carbon Tetrachloride
Concen: 17.384 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX005425.D
Acq: 18 Oct 2018 13:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.1	78.8	118.2
121	30.3	24.9	37.3





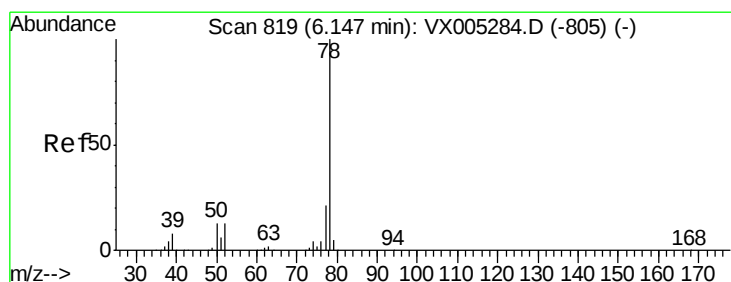
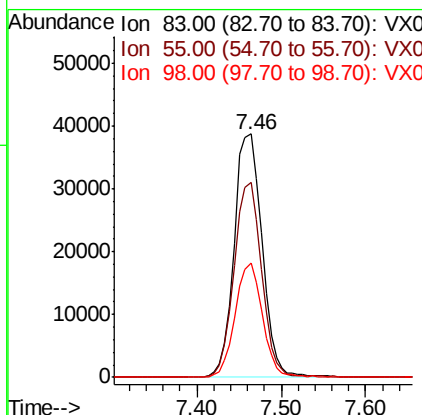
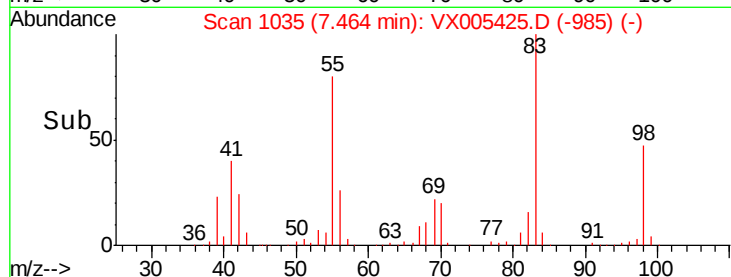
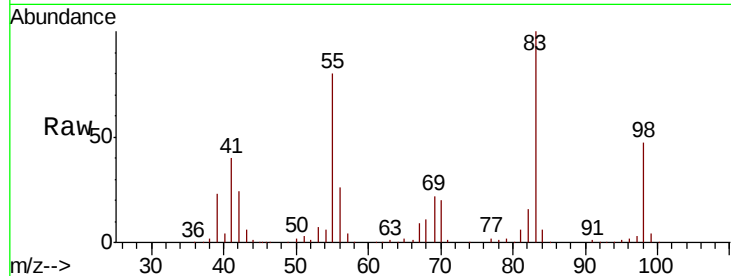
#39
Methylvlcvclohexane
Concen: 19.327 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX005425.D
Acq: 18 Oct 2018 13:03

Instrument :
MSVOA_X
ClientSampleId :
VX1018WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.9	61.0	91.4
98	46.7	39.6	59.4

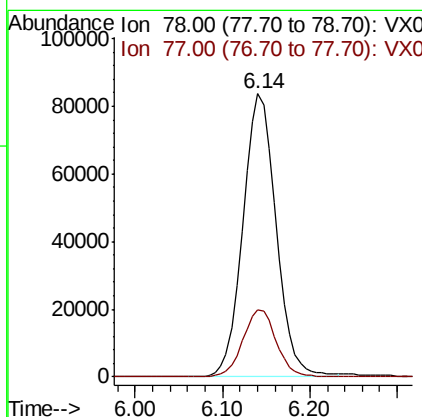
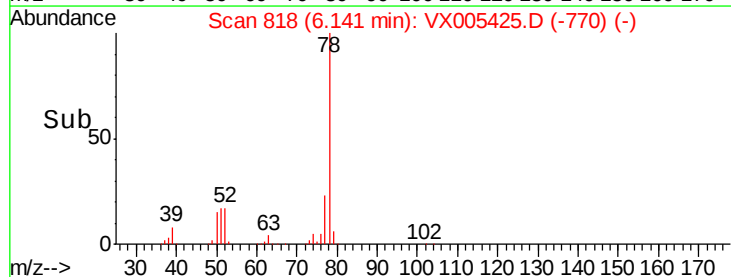
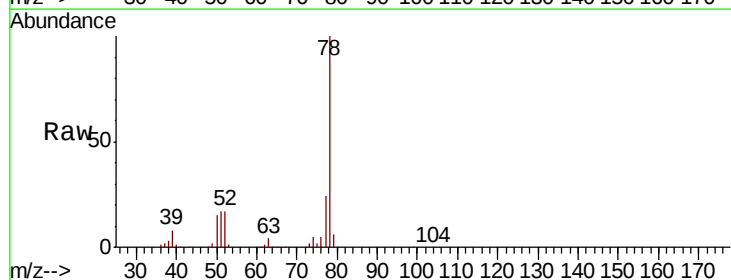
Manual Integrations
APPROVED

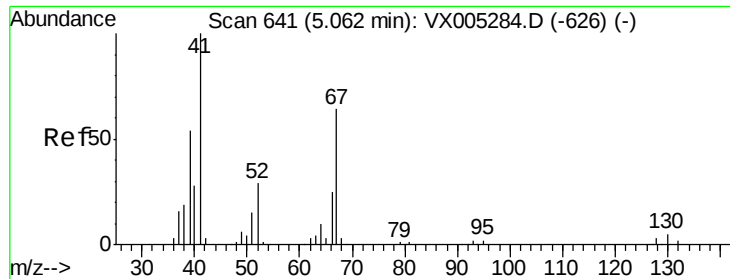
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#40
Benzene
Concen: 17.780 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX005425.D
Acq: 18 Oct 2018 13:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.0	28.4





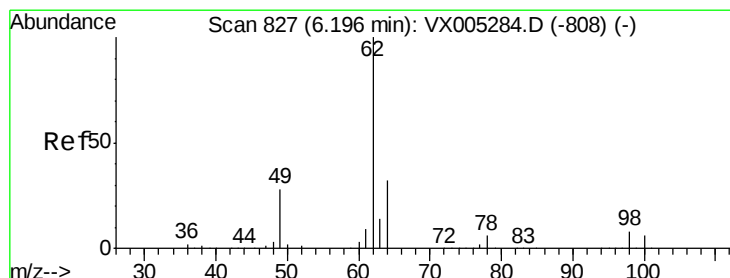
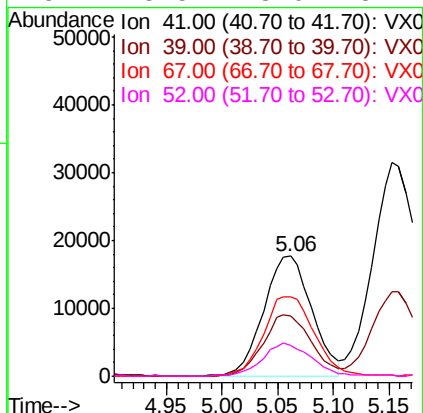
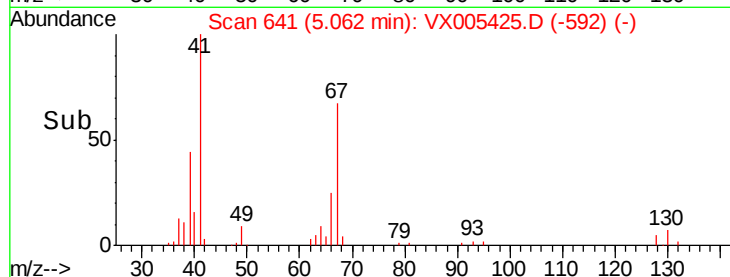
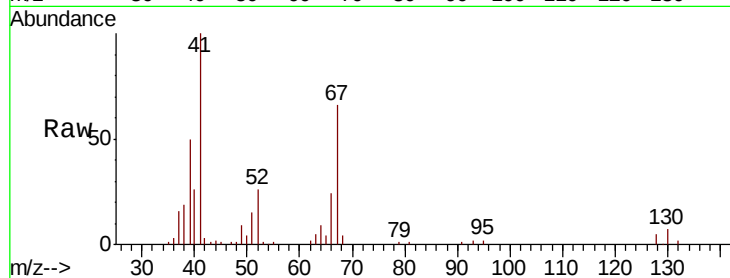
#41
Methacrylonitrile
Concen: 18.551 ug/l
RT: 5.06 min Scan# 641
Delta R.T. -0.00 min
Lab File: VX005425.D
Acq: 18 Oct 2018 13:03

Instrument :
MSVOA_X
ClientSampleId :
VX1018WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	52.5	42.4	63.6
67	70.5	59.2	88.8
52	28.5	23.0	34.4

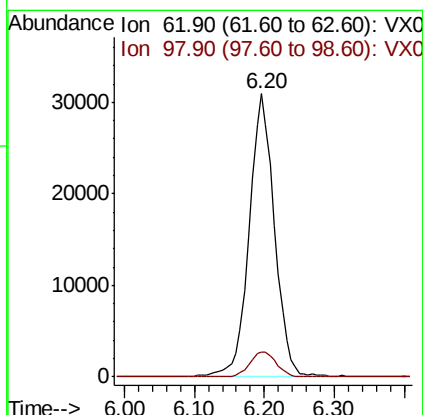
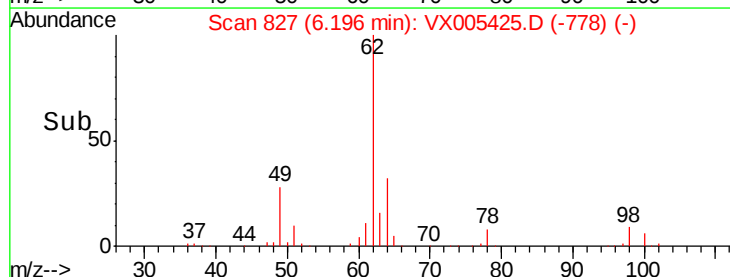
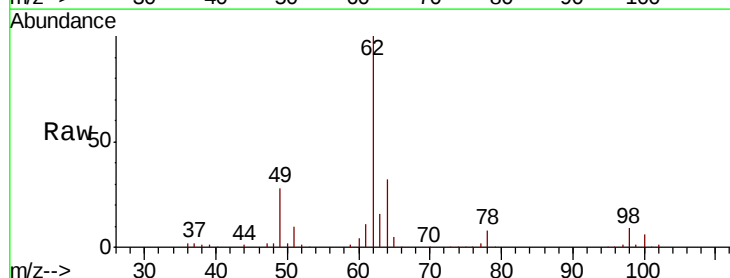
Manual Integrations
APPROVED

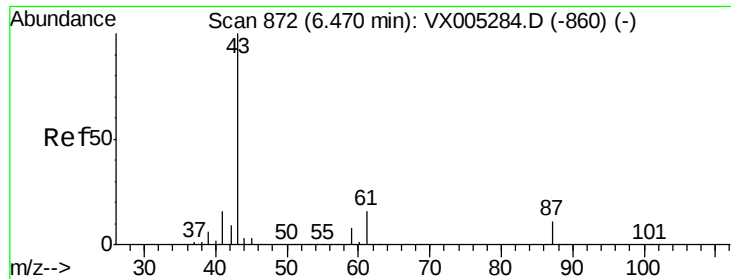
MMDadoda
10/19/2018 1:51:32 PM



#42
1,2-Dichloroethane
Concen: 17.722 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX005425.D
Acq: 18 Oct 2018 13:03

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	20.6





#43

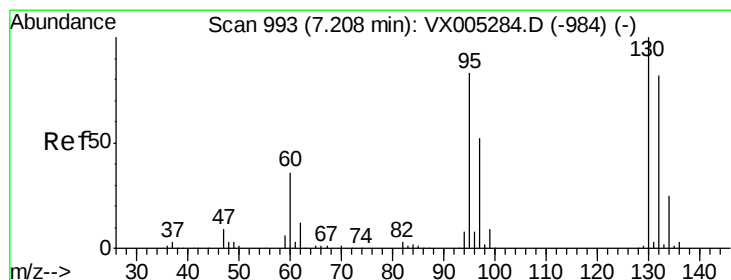
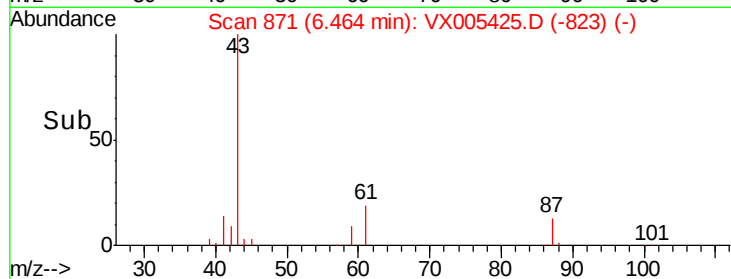
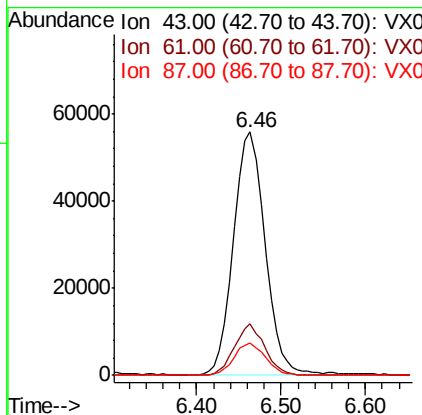
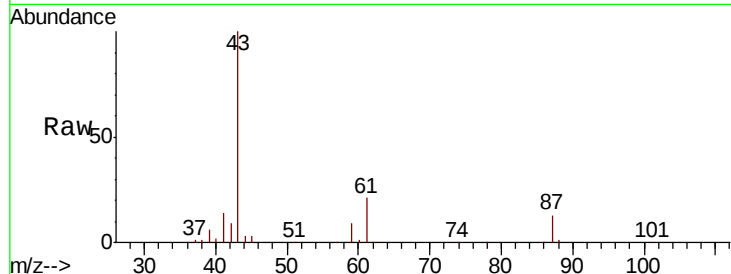
Isopropyl Acetate
 Concen: 20.020 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. -0.01 min
 Lab File: VX005425.D
 Acq: 18 Oct 2018 13:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1018WBS01

Tot Ion	43	61	87
Resp	141971		
Ratio	100	20.2	13.4
Lower		17.0	11.4
Upper		25.4	17.2

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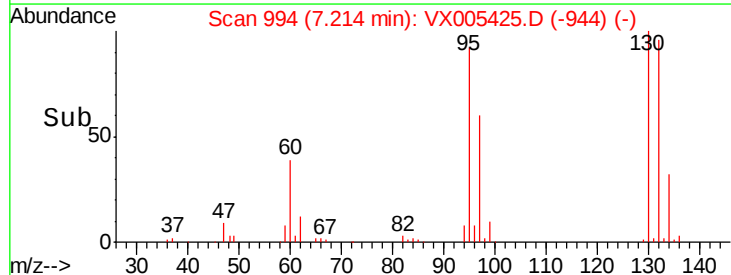
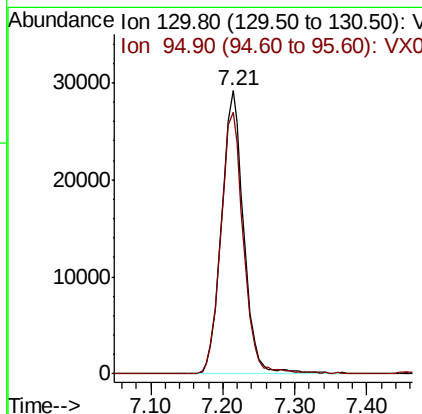
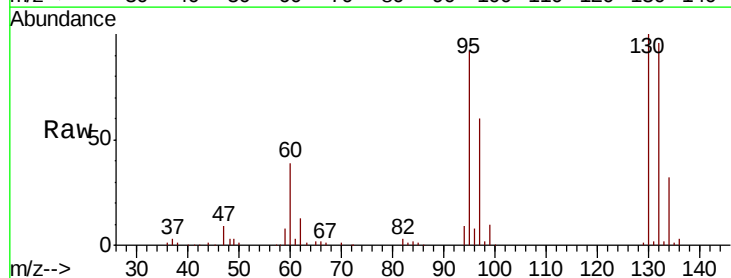
MMDadoda
 10/19/2018 1:51:32 PM



#44

Trichloroethene
 Concen: 19.346 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VX005425.D
 Acq: 18 Oct 2018 13:03

Tgt Ion	130	95
Resp	62551	
Ratio	100	92.5
Lower		0.0
Upper		181.6





#45

1,2-Dichloropropane

Concen: 19.938 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VX005425.D

Acq: 18 Oct 2018 13:03

Instrument :

MSVOA_X

ClientSampleId :

VX1018WBS01

Tot Ion: 63 Resp: 60732

Ion Ratio Lower Upper

63 100

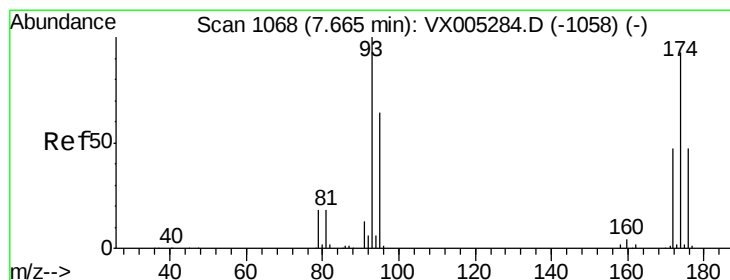
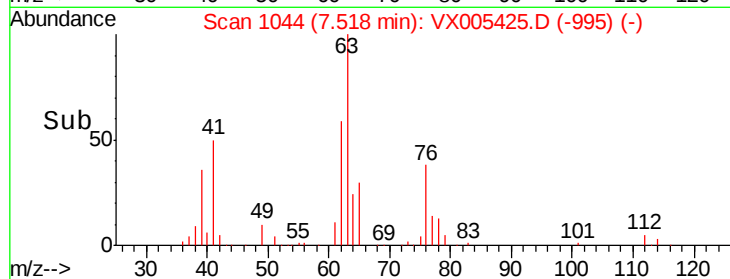
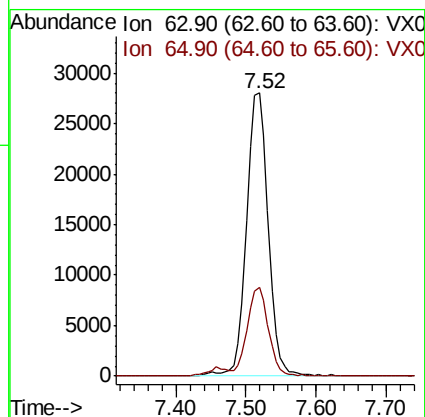
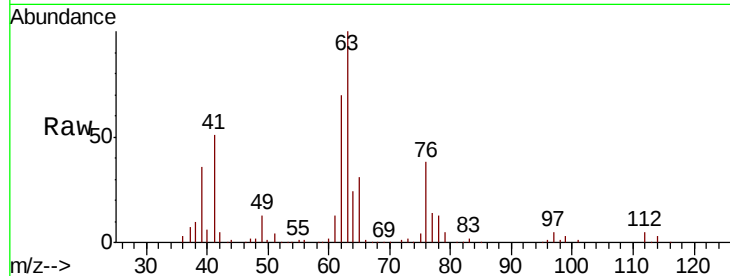
65 31.4 24.3 36.5

Manual Integrations

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#46

Dibromomethane

Concen: 18.721 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VX005425.D

Acq: 18 Oct 2018 13:03

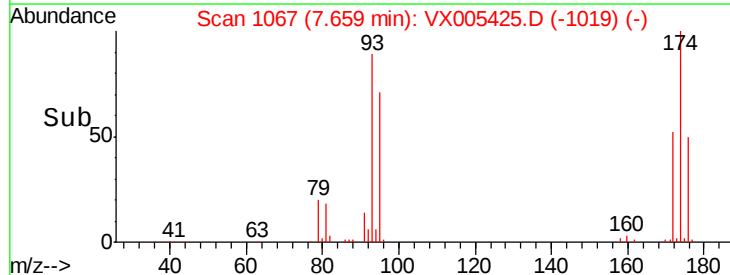
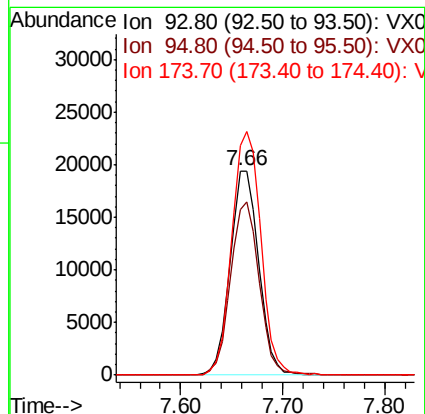
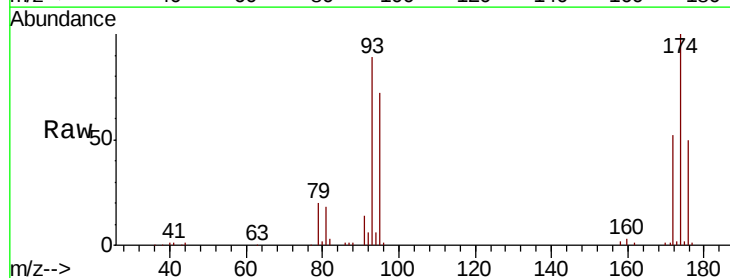
Tgt Ion: 93 Resp: 37638

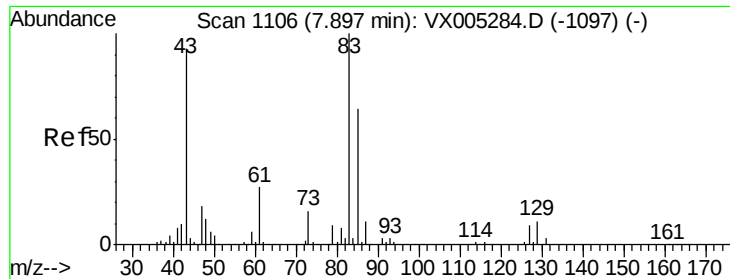
Ion Ratio Lower Upper

93 100

95 84.9 65.5 98.3

174 120.6 94.2 141.4





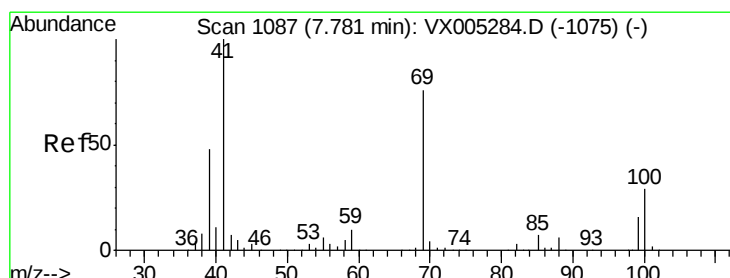
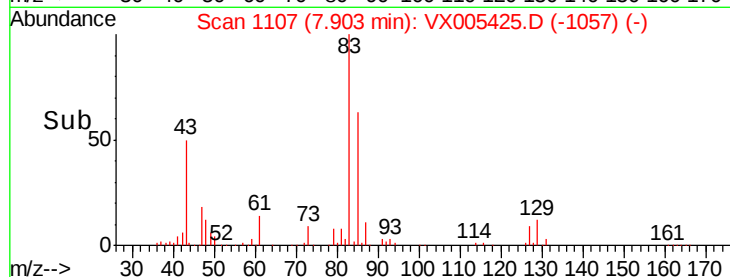
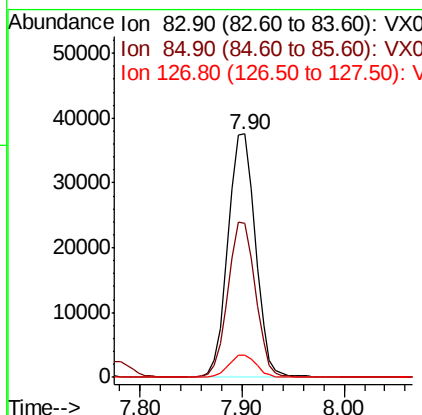
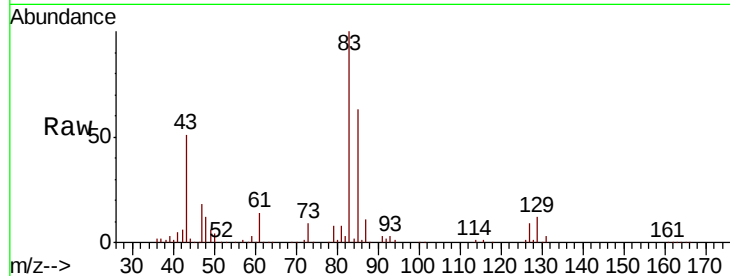
#47
Bromodichloromethane
Concen: 18.885 ug/l
RT: 7.90 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VX005425.D
Acq: 18 Oct 2018 13:03

Instrument :
MSVOA_X
ClientSampleId :
VX1018WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.1	50.9	76.3
127	8.9	7.3	10.9

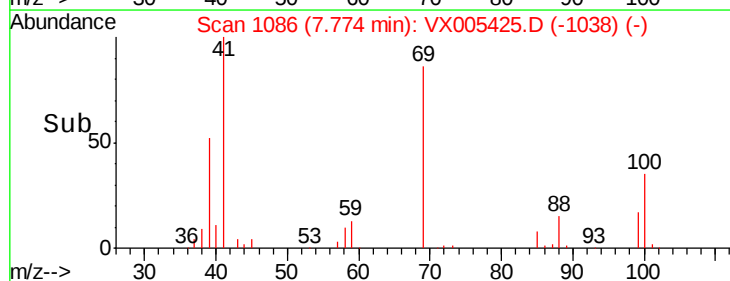
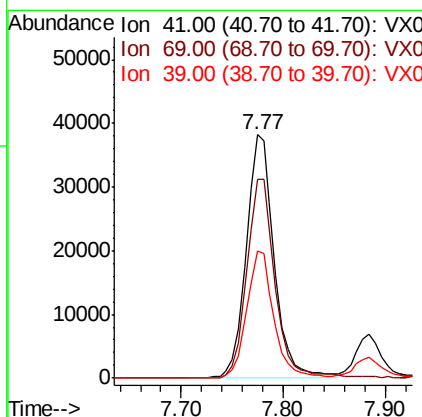
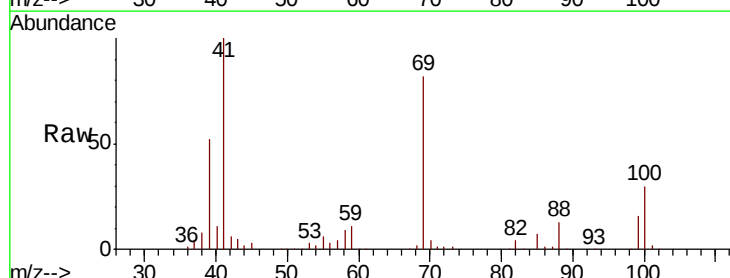
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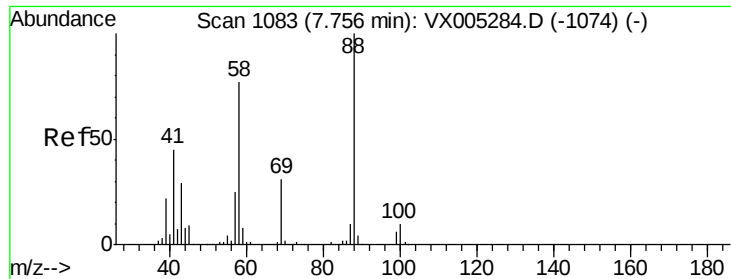
MMDadoda
10/19/2018 1:51:32 PM



#48
Methyl methacrylate
Concen: 19.824 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. -0.01 min
Lab File: VX005425.D
Acq: 18 Oct 2018 13:03

Tgt Ion	Ratio	Lower	Upper
41	100		
69	83.0	70.2	105.4
39	50.2	42.7	64.1





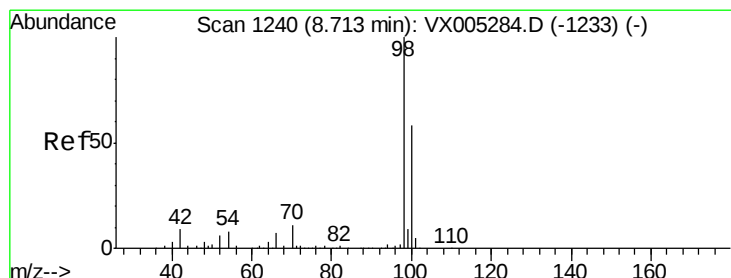
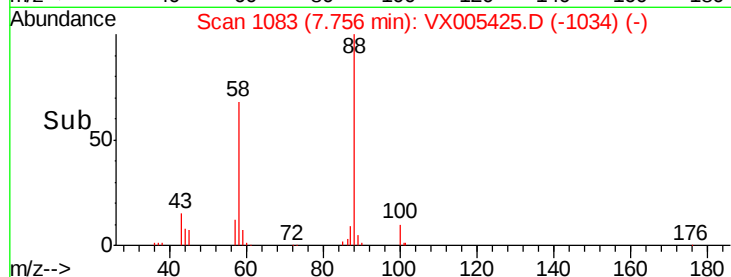
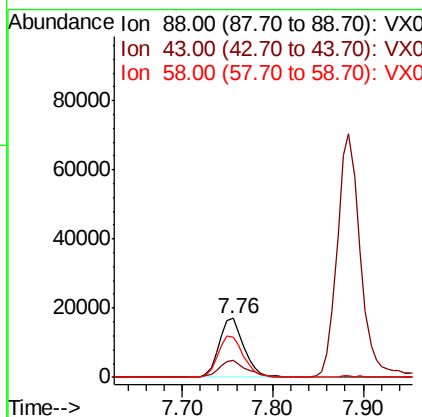
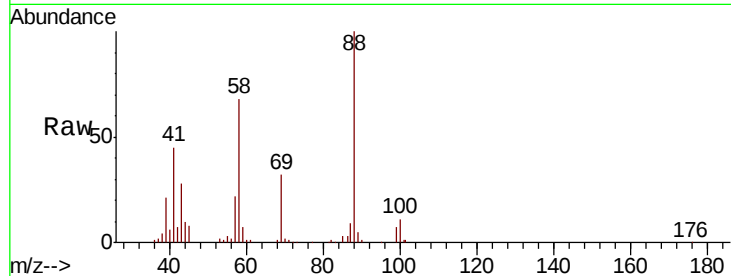
#49
1,4-Dioxane
Concen: 391.527 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VX005425.D
Acq: 18 Oct 2018 13:03

Instrument :
MSVOA_X
ClientSampleId :
VX1018WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.8	24.7	37.1
58	71.8	55.3	82.9

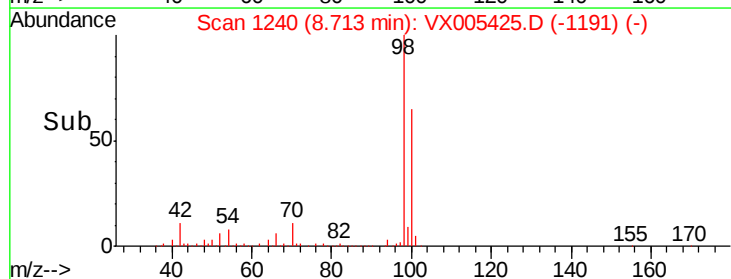
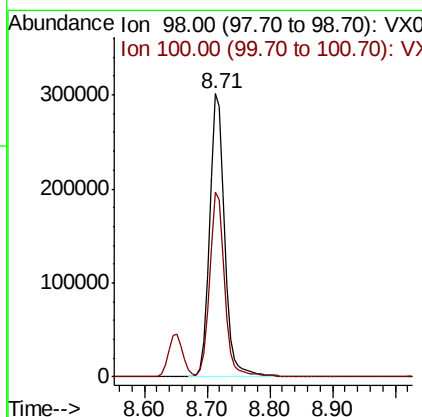
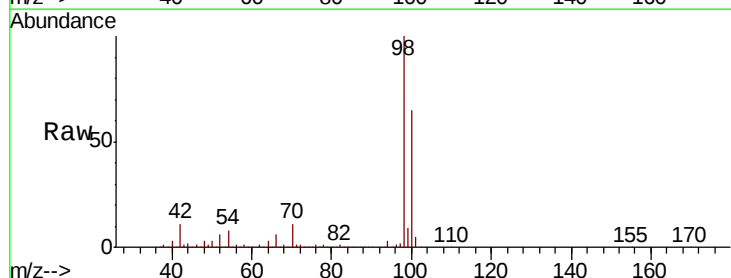
Manual Integrations
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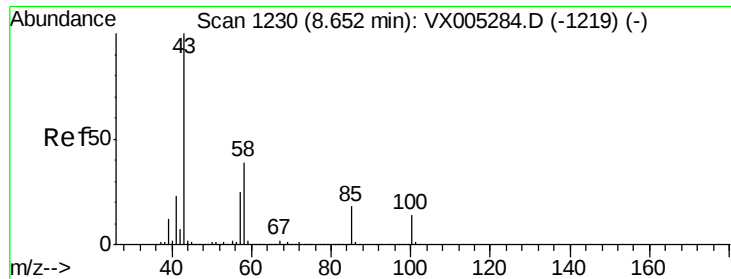
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#50
Toluene-d8
Concen: 51.388 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005425.D
Acq: 18 Oct 2018 13:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 102.078 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VX005425.D

Acq: 18 Oct 2018 13:03

Instrument :

MSVOA_X

ClientSampleId :

VX1018WBS01

Tot Ion: 43 Resp: 501228

Ion Ratio Lower Upper

43 100

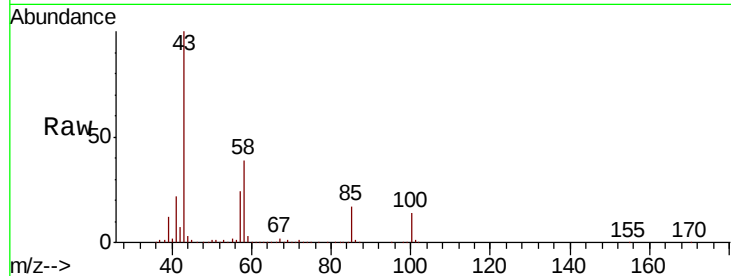
58 38.4 33.1 49.7

Manual Integrations

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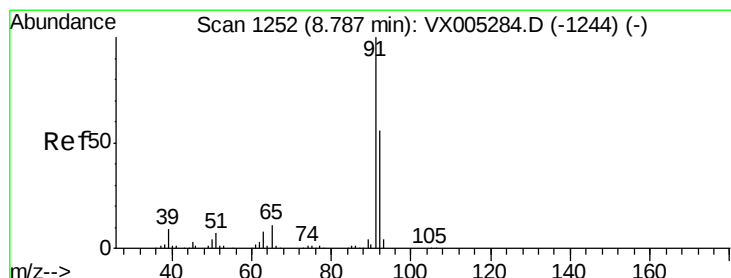
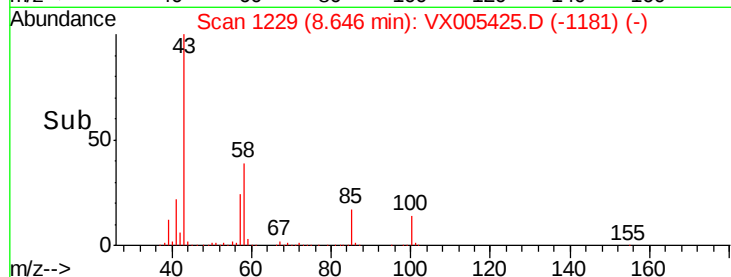
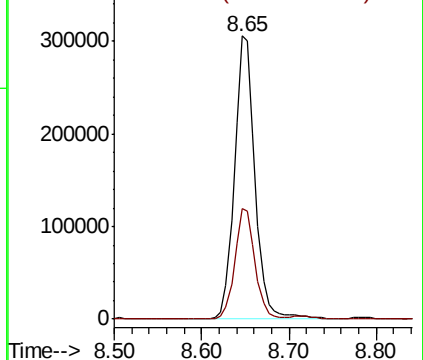
MMDadoda

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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: 20.680 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005425.D

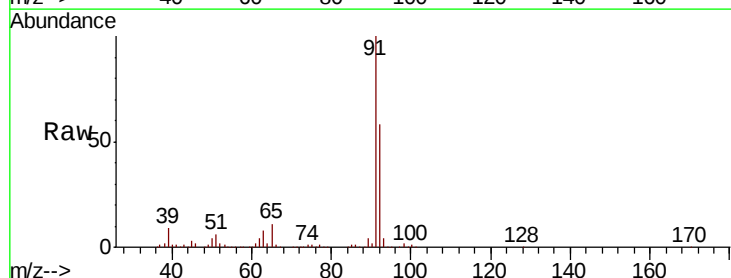
Acq: 18 Oct 2018 13:03

Tgt Ion: 92 Resp: 140492

Ion Ratio Lower Upper

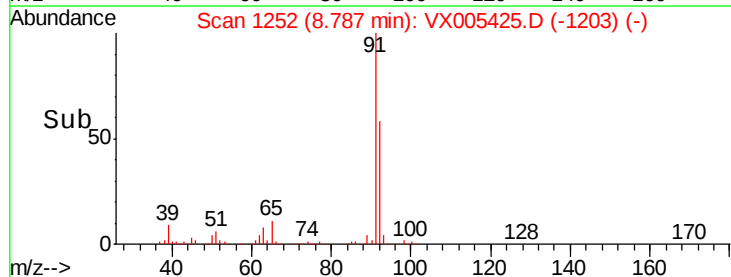
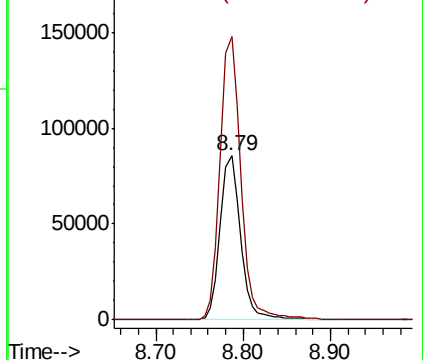
92 100

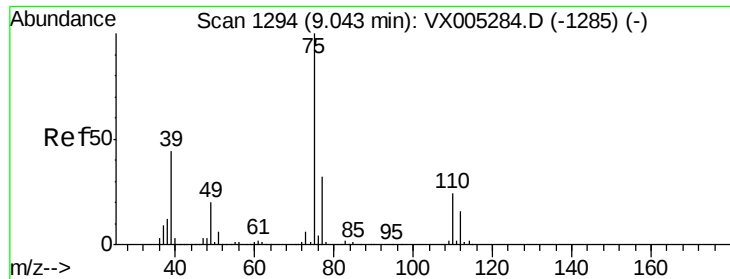
91 174.8 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





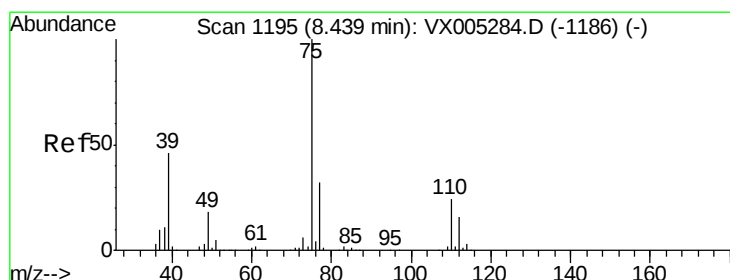
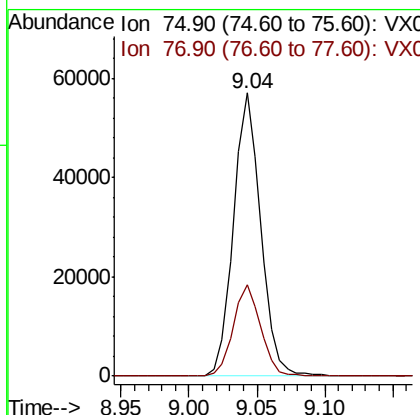
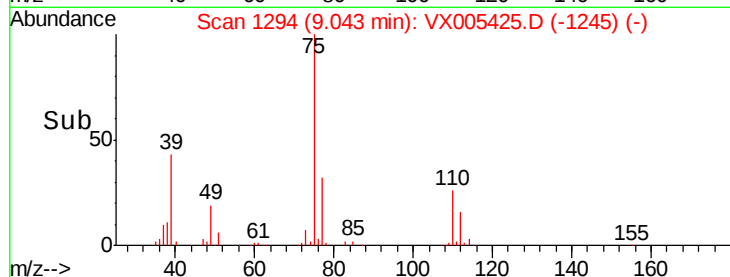
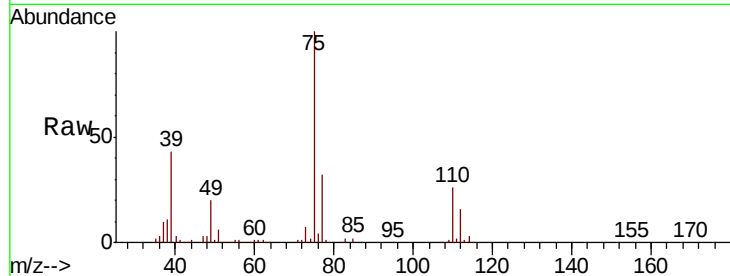
#53
 t-1,3-Dichloropropene
 Concen: 19.714 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX005425.D
 Acq: 18 Oct 2018 13:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1018WBS01

Tot Ion: 75 Resp: 79336
 Ion Ratio Lower Upper
 75 100
 77 32.1 24.6 37.0

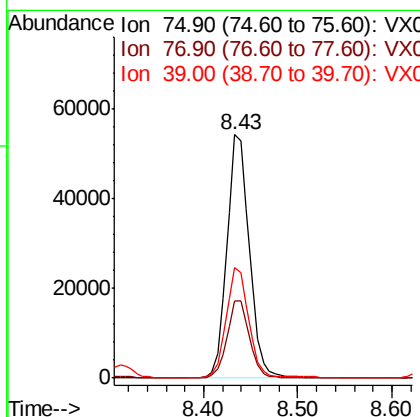
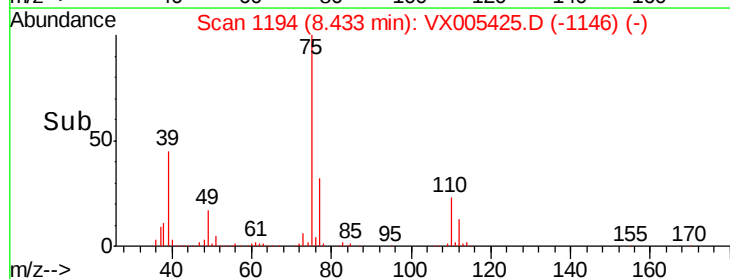
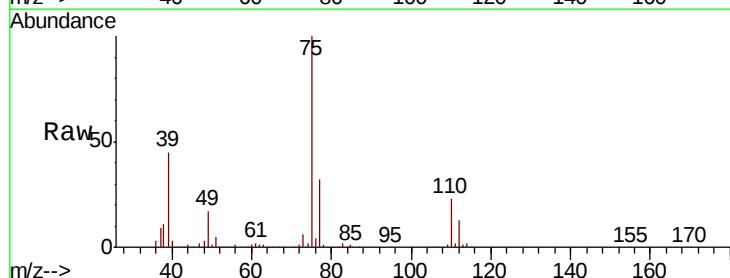
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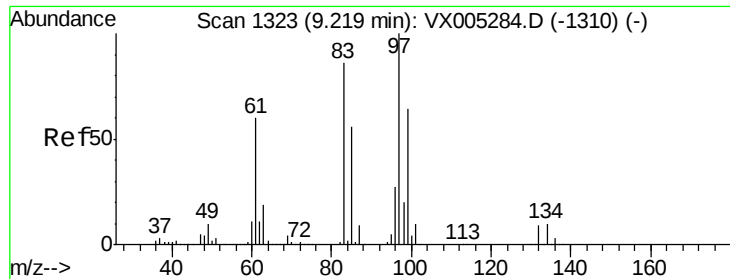
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 20.516 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.01 min
 Lab File: VX005425.D
 Acq: 18 Oct 2018 13:03

Tgt Ion: 75 Resp: 89463
 Ion Ratio Lower Upper
 75 100
 77 31.8 26.2 39.2
 39 45.0 36.4 54.6





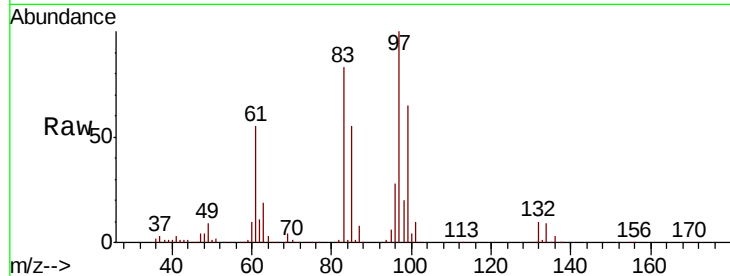
#55
 1,1,2-Trichloroethane
 Concen: 20.403 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VX005425.D
 Acq: 18 Oct 2018 13:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1018WBS01

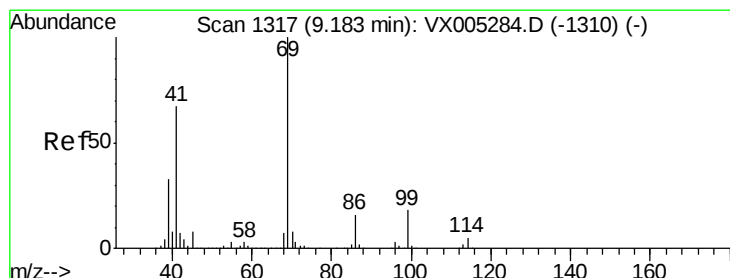
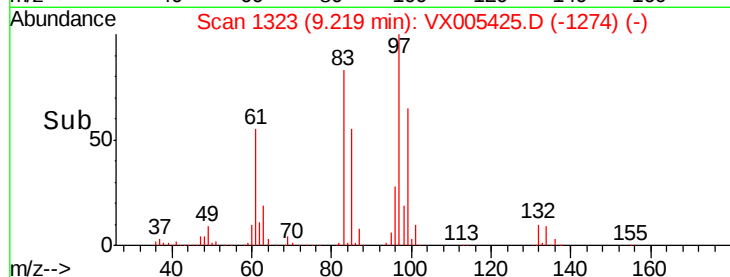
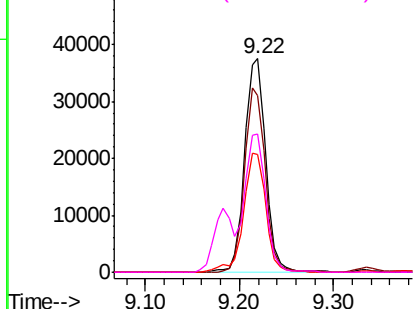
Tot Ion	97	Resp	58710
Ion	Ratio	Lower	Upper
97	100		
83	82.7	66.4	99.6
85	55.2	43.3	64.9
99	64.8	49.0	73.4

Manual Integrations
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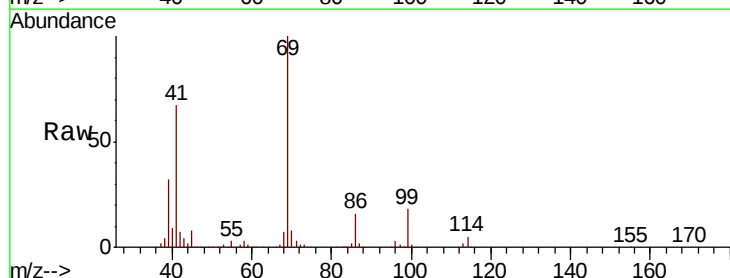


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

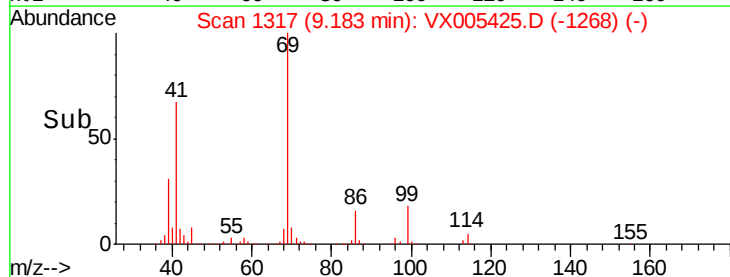
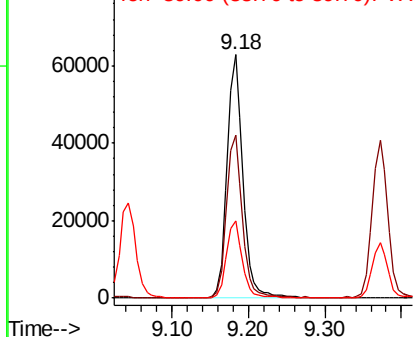


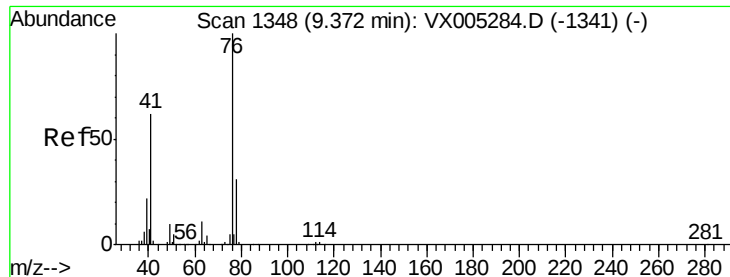
#56
 Ethyl methacrylate
 Concen: 21.535 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX005425.D
 Acq: 18 Oct 2018 13:03

Tgt Ion	69	Resp	90333
Ion	Ratio	Lower	Upper
69	100		
41	66.7	51.0	76.4
39	31.6	26.1	39.1



Abundance Ion 69.00 (68.70 to 69.70): VX0
 Ion 41.00 (40.70 to 41.70): VX0
 Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 20.370 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX005425.D

Acq: 18 Oct 2018 13:03

Instrument :

MSVOA_X

ClientSampleId :

VX1018WBS01

Tot Ion: 76 Resp: 97831

Ion Ratio Lower Upper

76 100

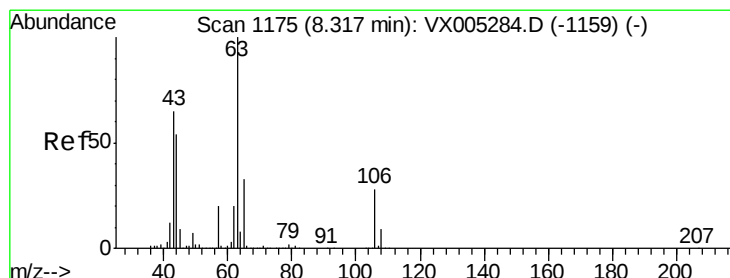
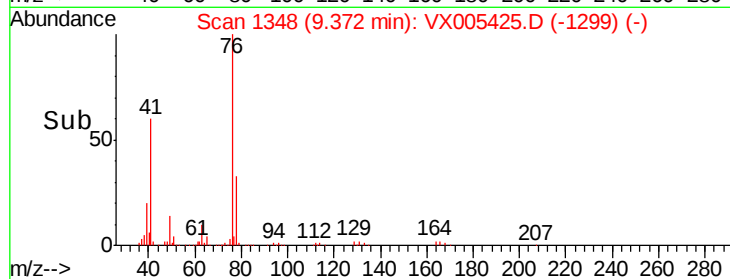
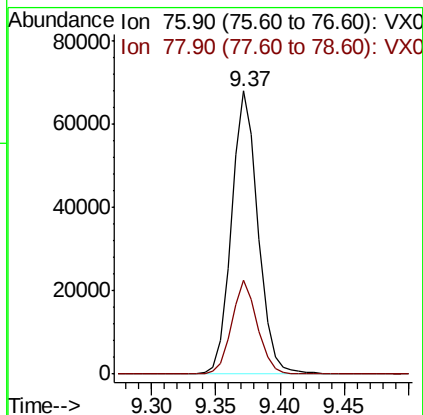
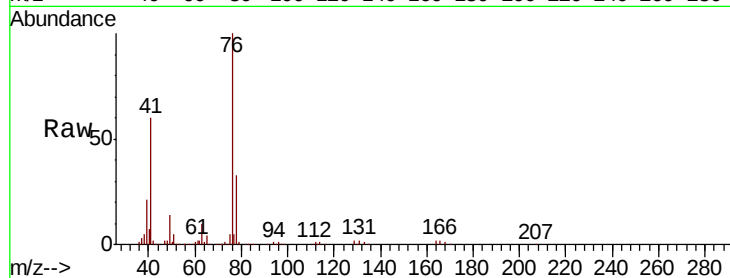
78 32.3 25.5 38.3

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 109.186 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VX005425.D

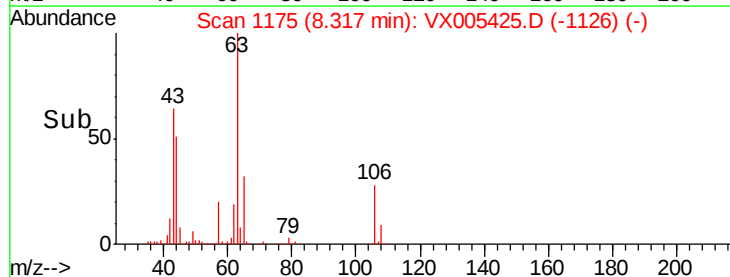
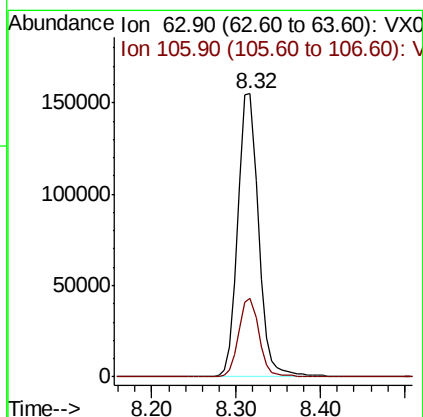
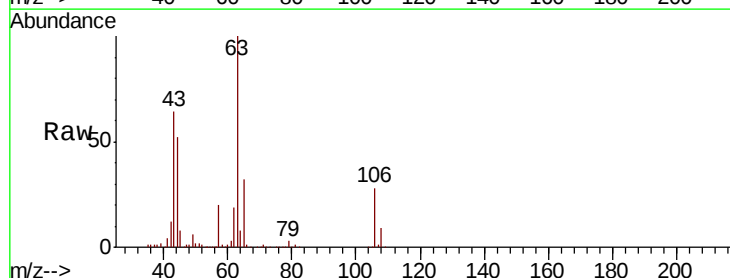
Acq: 18 Oct 2018 13:03

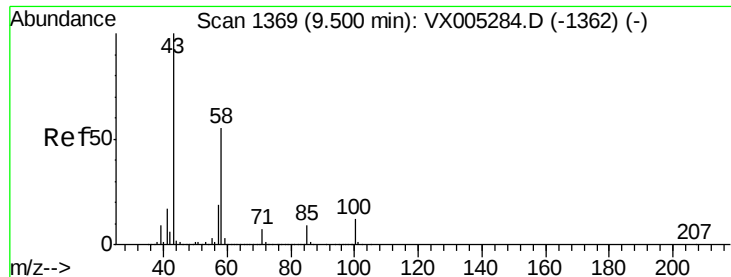
Tgt Ion: 63 Resp: 256862

Ion Ratio Lower Upper

63 100

106 27.3 23.9 35.9





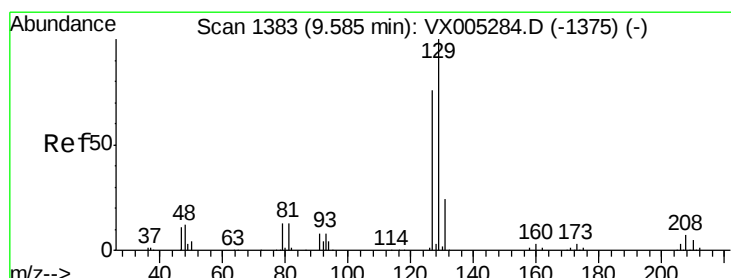
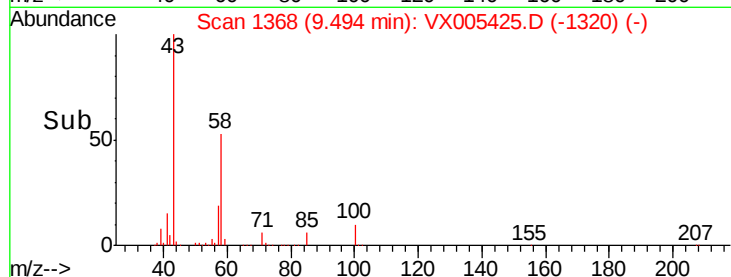
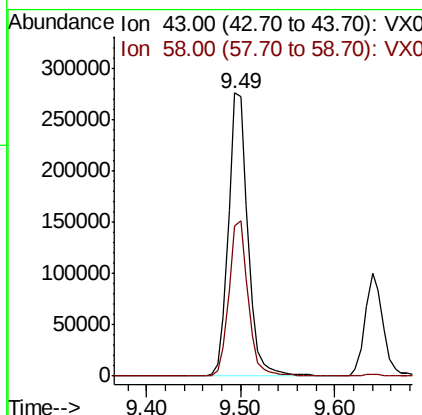
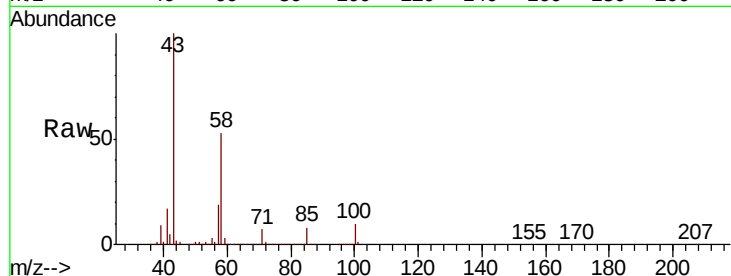
#59
2-Hexanone
Concen: 100.156 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX005425.D
Acq: 18 Oct 2018 13:03

Instrument :
MSVOA_X
ClientSampleId :
VX1018WBS01

Tot Ion: 43 Resp: 395596
Ion Ratio Lower Upper
43 100
58 54.3 29.0 87.0

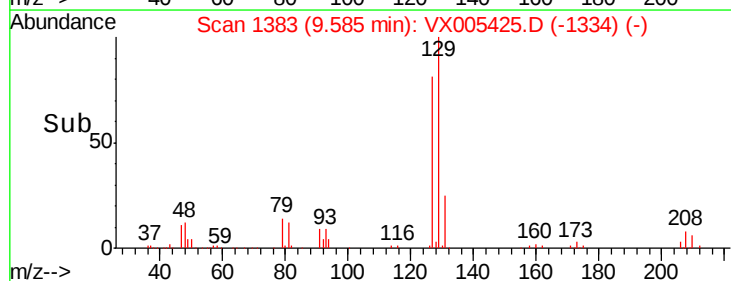
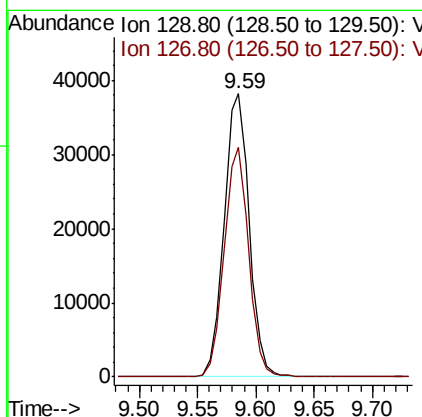
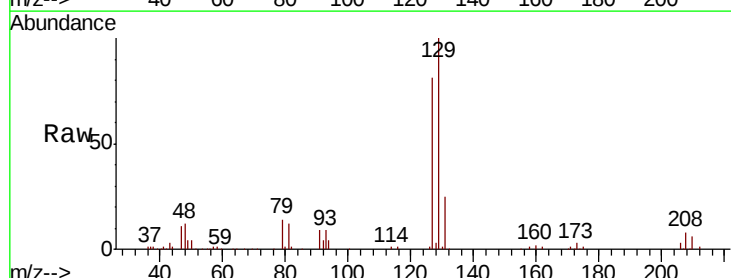
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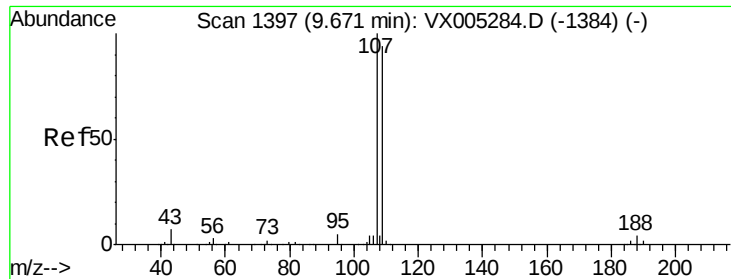
MMDadoda
10/19/2018 1:51:32 PM



#60
Dibromochloromethane
Concen: 19.150 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005425.D
Acq: 18 Oct 2018 13:03

Tgt Ion: 129 Resp: 56960
Ion Ratio Lower Upper
129 100
127 78.8 38.5 115.5





#61

1,2-Dibromoethane

Concen: 20.300 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX005425.D

Acq: 18 Oct 2018 13:03

Instrument :

MSVOA_X

ClientSampleId :

VX1018WBS01

Tot Ion:107 Resp: 61303

Ion Ratio Lower Upper

107 100

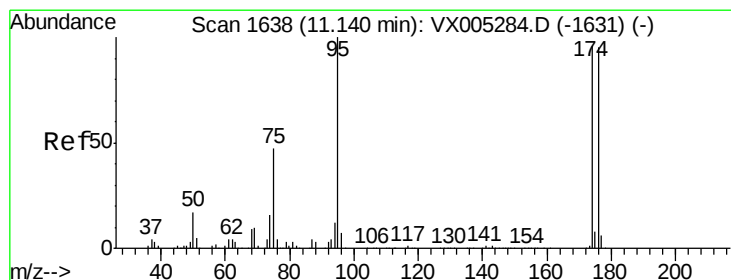
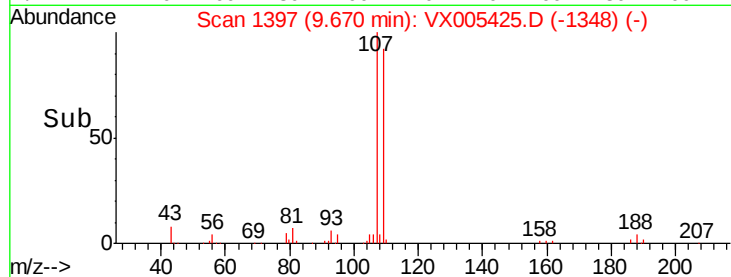
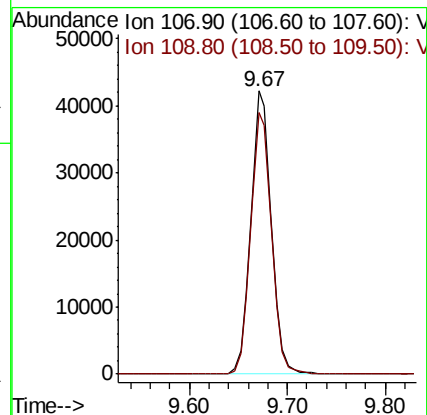
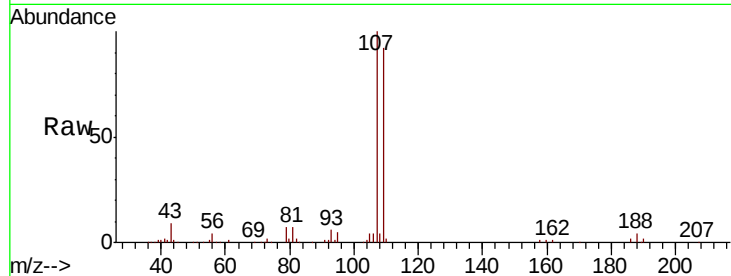
109 94.3 76.0 114.0

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#62

4-Bromofluorobenzene

Concen: 51.830 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005425.D

Acq: 18 Oct 2018 13:03

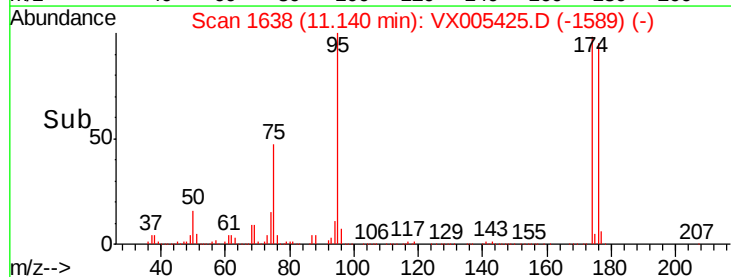
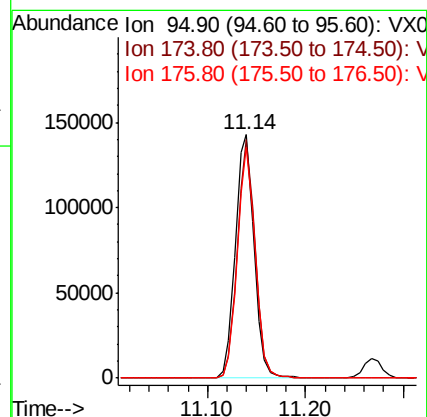
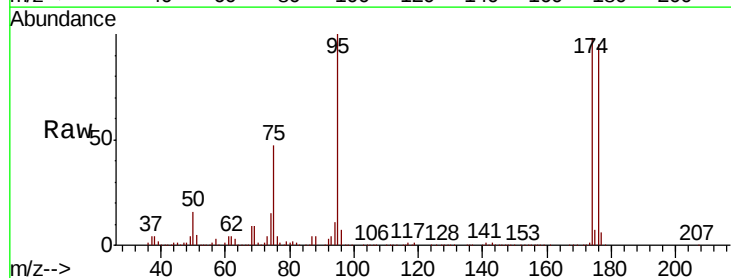
Tgt Ion: 95 Resp: 189228

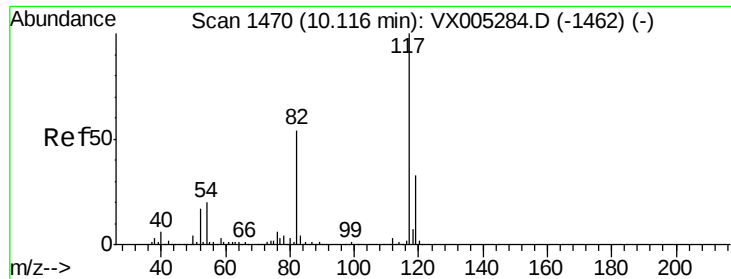
Ion Ratio Lower Upper

95 100

174 93.6 0.0 185.2

176 90.8 0.0 178.6





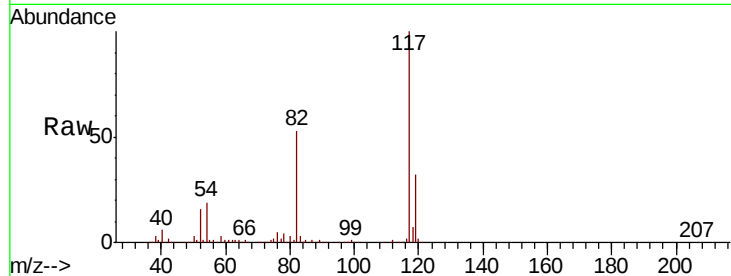
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005425.D
Acq: 18 Oct 2018 13:03

Instrument :
MSVOA_X
ClientSampleId :
VX1018WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.9	47.8	71.6
119	32.1	29.3	43.9

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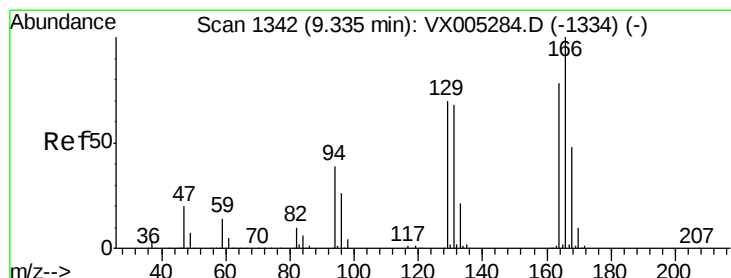
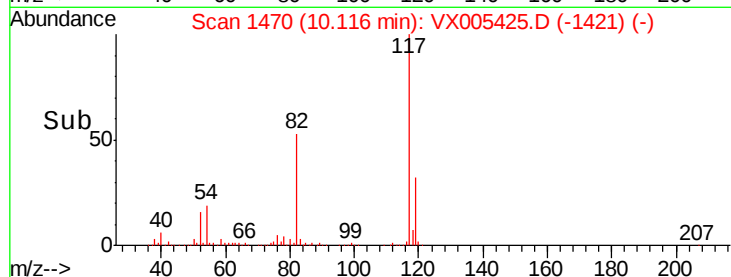
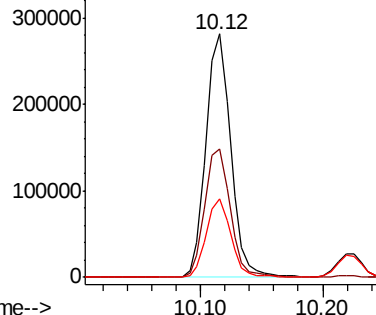


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 20.254 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005425.D
Acq: 18 Oct 2018 13:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.4	102.8	154.2
129	88.4	69.4	104.0
131	83.2	67.9	101.9

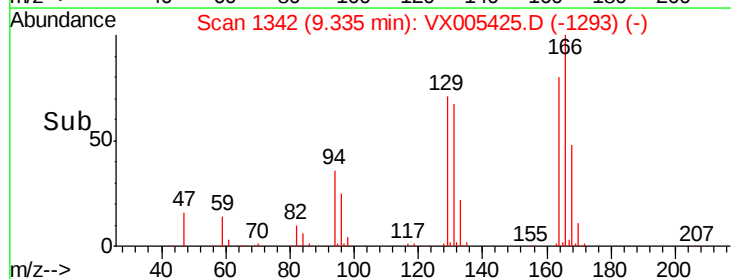
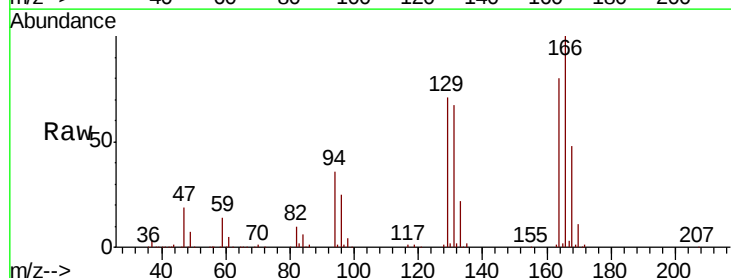
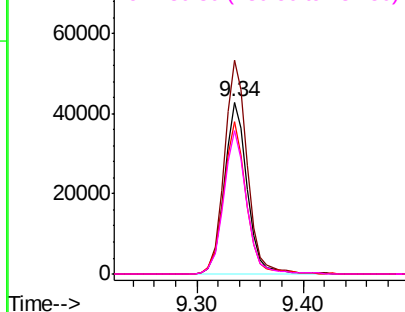
Abundance

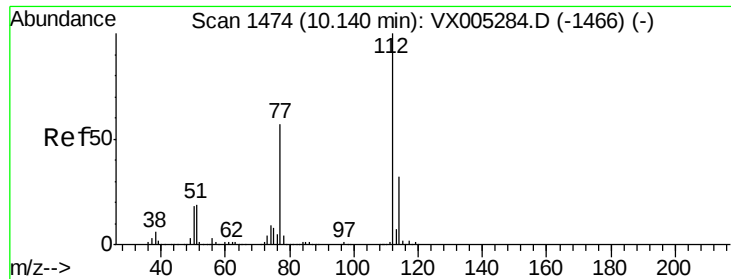
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 19.193 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX005425.D

Acq: 18 Oct 2018 13:03

Instrument :

MSVOA_X

ClientSampleId :

VX1018WBS01

Tot Ion:112 Resp: 161314

Ion Ratio Lower Upper

112 100

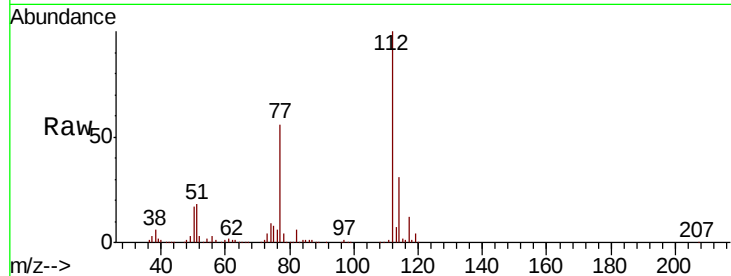
114 31.3 27.8 41.8

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.14

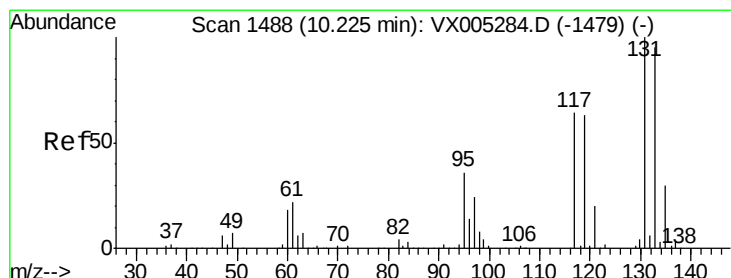
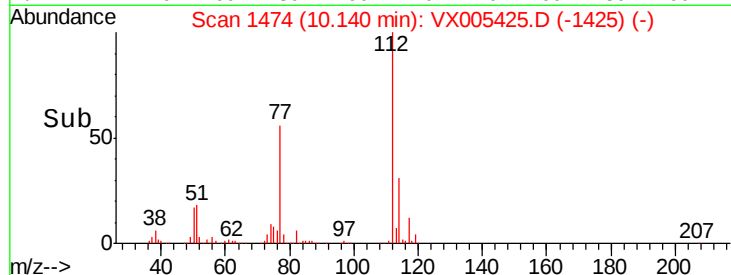
100000

50000

0

Time-->

10.10 10.20 10.30



#66

1,1,1,2-Tetrachloroethane

Concen: 19.146 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.01 min

Lab File: VX005425.D

Acq: 18 Oct 2018 13:03

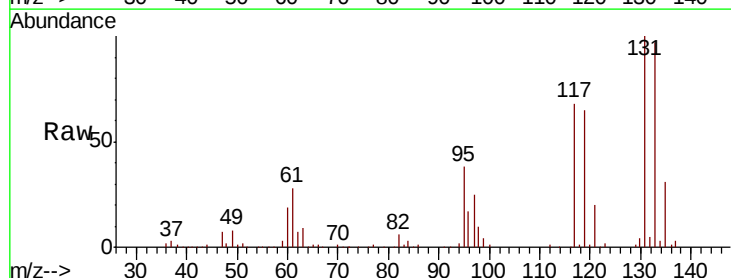
Tgt Ion:131 Resp: 57344

Ion Ratio Lower Upper

131 100

133 95.2 48.1 144.4

119 64.0 32.9 98.6



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

80000

60000

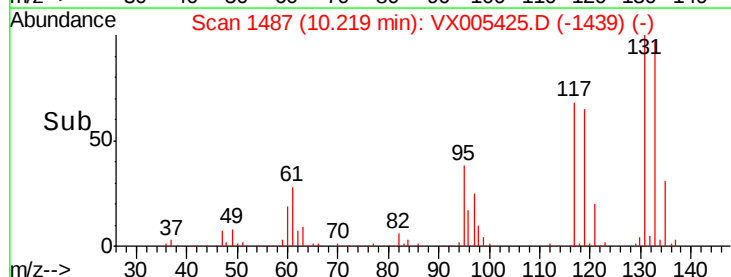
40000

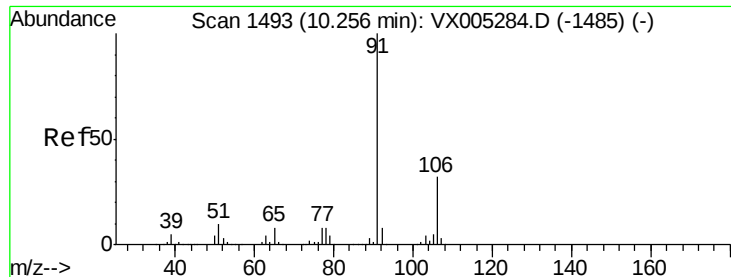
20000

0

Time-->

10.20 10.30





#67

Ethyl Benzene

Concen: 19.769 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VX005425.D

Acq: 18 Oct 2018 13:03

Instrument :

MSVOA_X

ClientSampleId :

VX1018WBS01

Tot Ion: 91 Resp: 270109

Ion Ratio Lower Upper

91 100

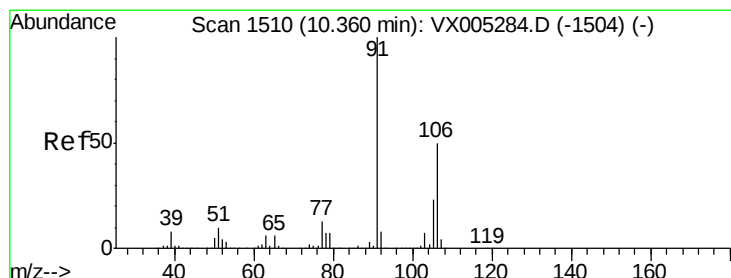
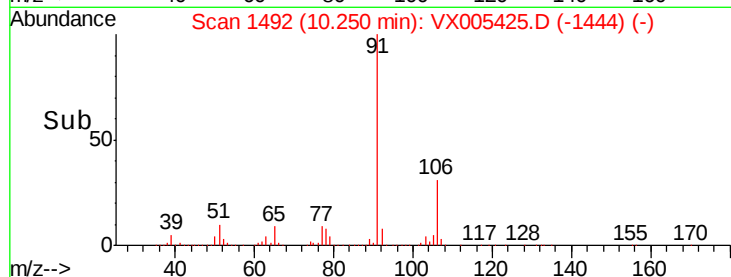
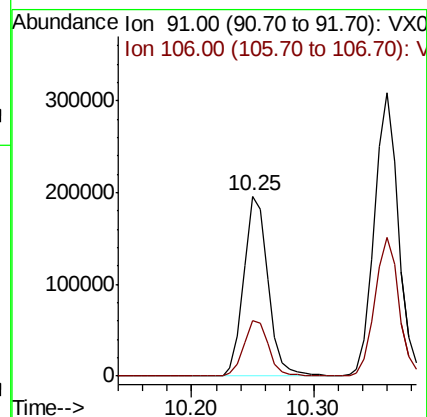
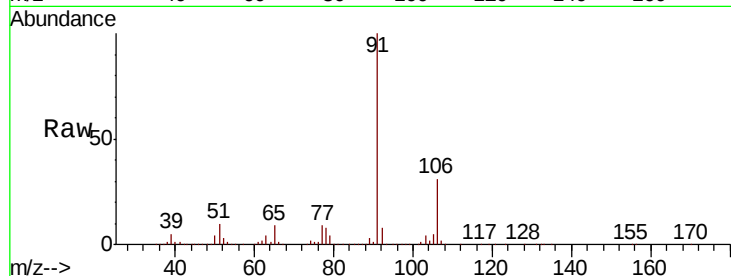
106 31.2 25.9 38.9

Manual Integrations

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#68

m/p-Xylenes

Concen: 39.656 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX005425.D

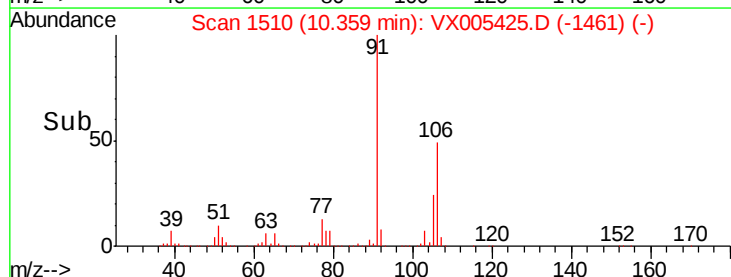
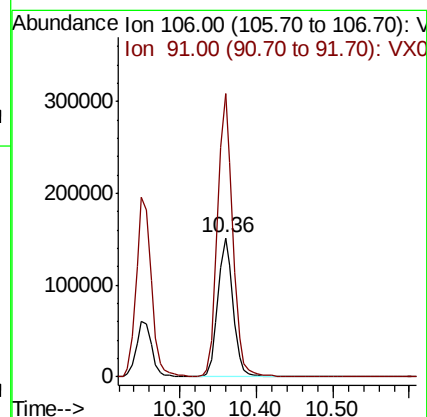
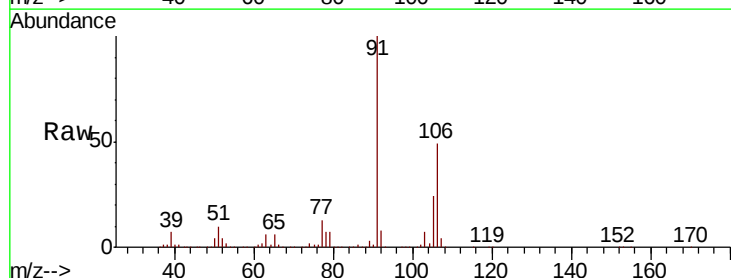
Acq: 18 Oct 2018 13:03

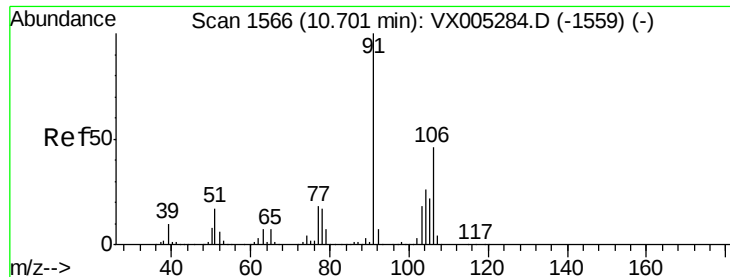
Tgt Ion: 106 Resp: 210307

Ion Ratio Lower Upper

106 100

91 202.6 157.1 235.7





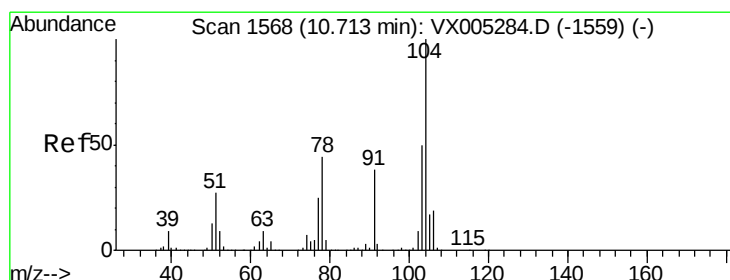
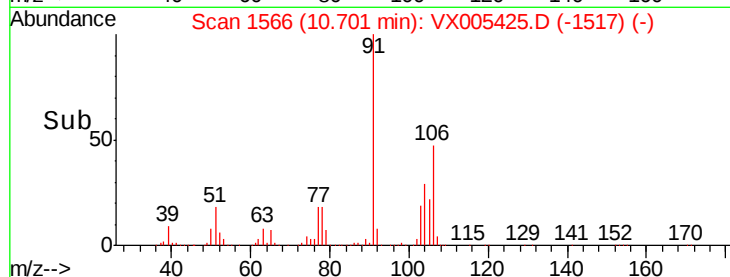
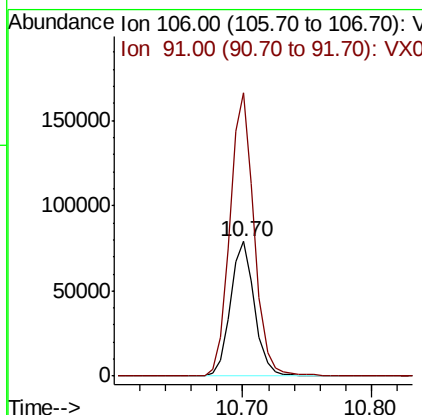
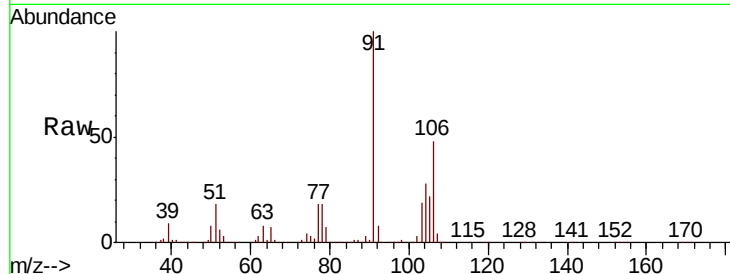
#69
o-Xylene
Concen: 20.265 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005425.D
Acq: 18 Oct 2018 13:03

Instrument :
MSVOA_X
ClientSampleId :
VX1018WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	103649		
91	91	211.0	105.1	315.1	

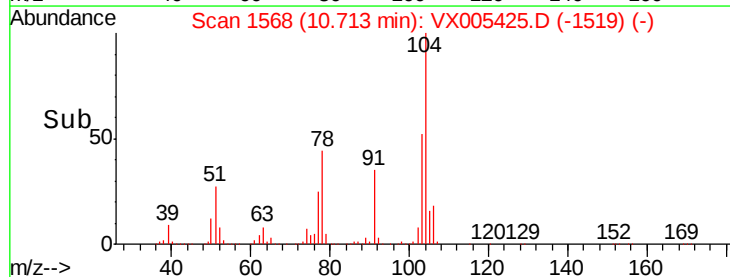
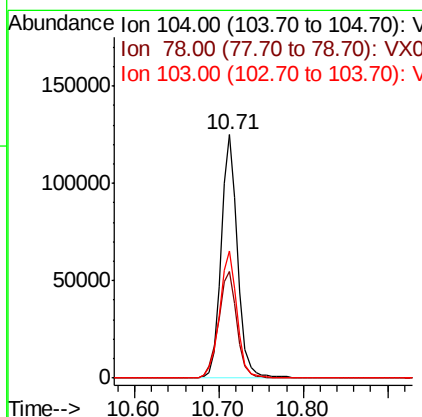
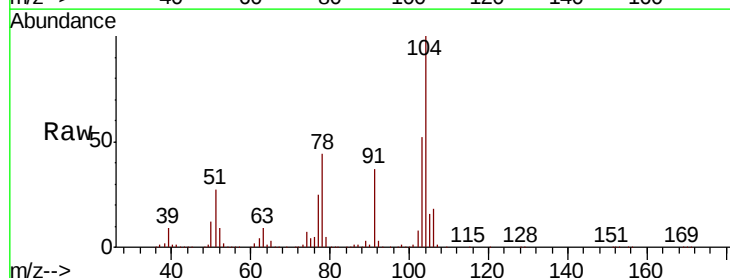
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#70
Styrene
Concen: 19.902 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005425.D
Acq: 18 Oct 2018 13:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	167427		
78	78	49.7	37.4	56.0	
103	103	56.1	43.8	65.6	





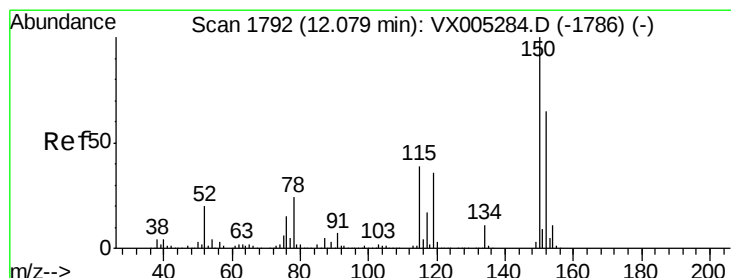
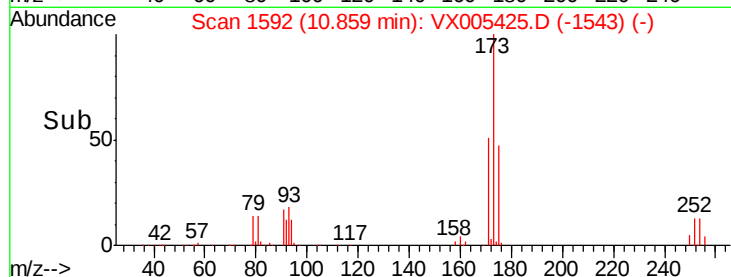
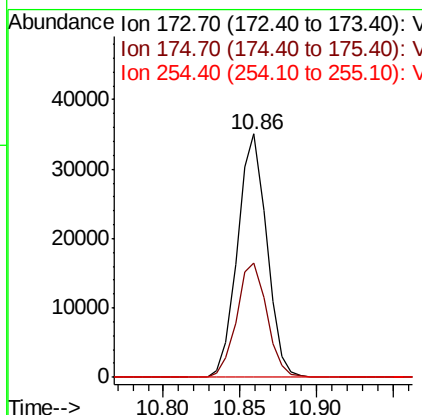
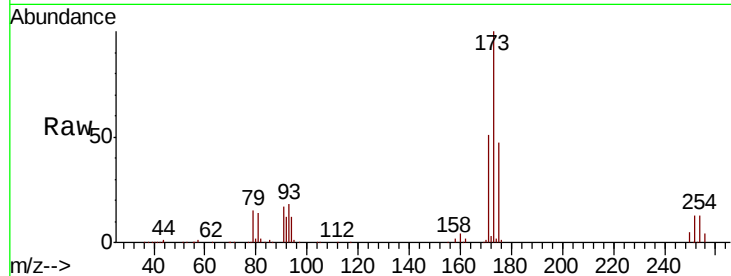
#71
Bromoform
Concen: 17.381 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VX005425.D
Acq: 18 Oct 2018 13:03

Instrument :
MSVOA_X
ClientSampleId :
VX1018WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.1	72.3
254	0.2	0.2	0.2

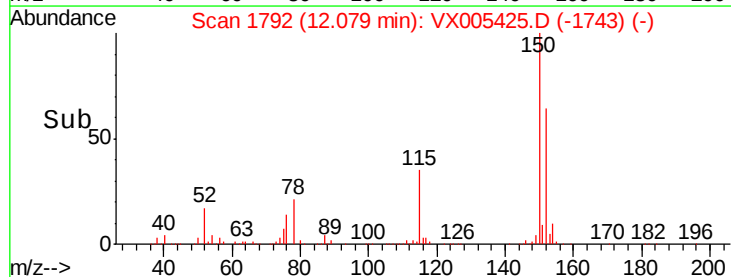
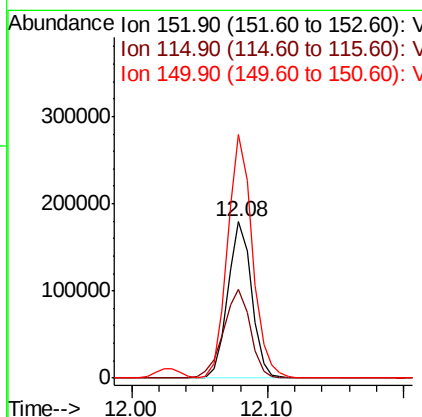
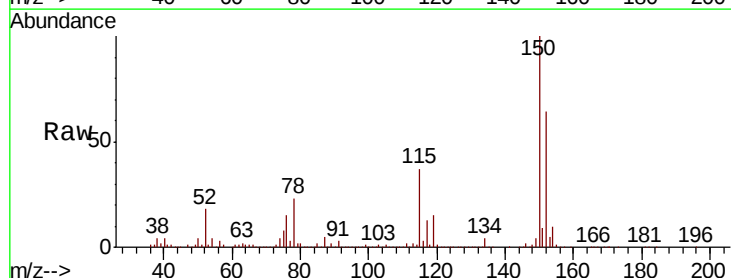
Manual Integrations
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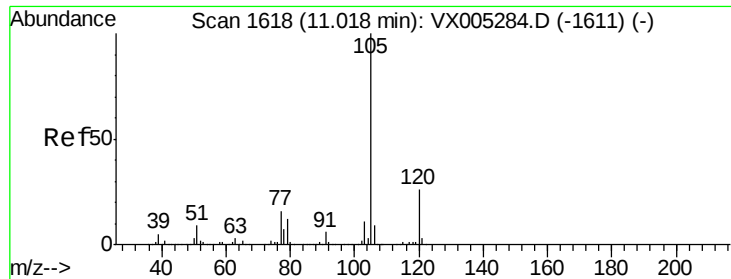
MMDadoda
10/19/2018 1:51:32 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005425.D
Acq: 18 Oct 2018 13:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.1	39.0	117.0
150	163.5	0.0	351.0





#73

Isopropylbenzene

Concen: 21.588 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005425.D

Acq: 18 Oct 2018 13:03

Instrument :

MSVOA_X

ClientSampleId :

VX1018WBS01

Tot Ion:105 Resp: 278663

Ion Ratio Lower Upper

105 100

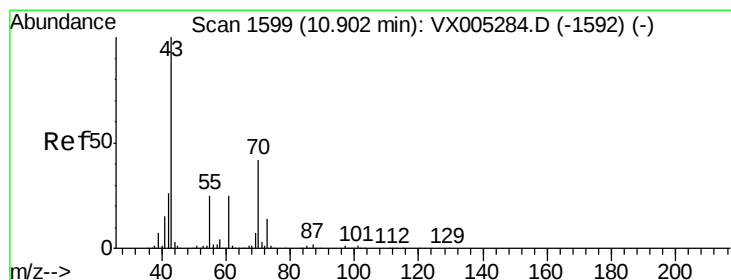
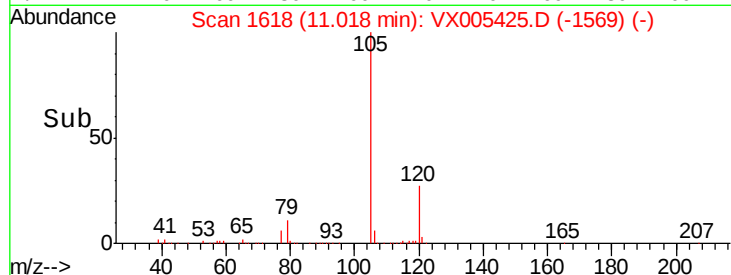
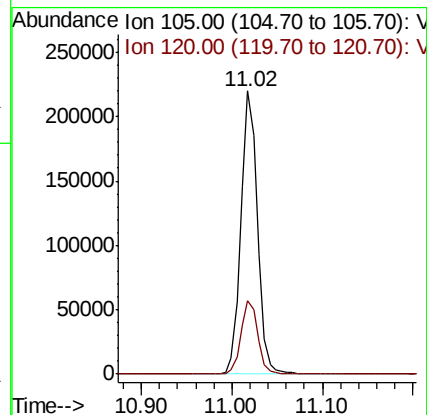
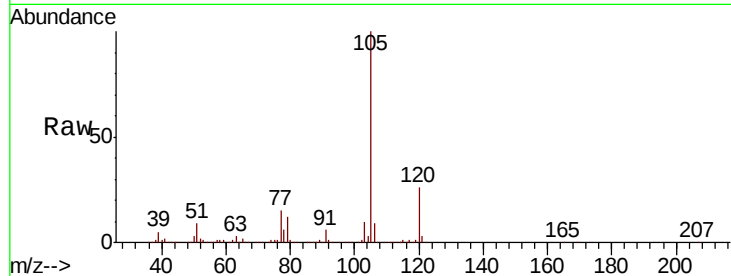
120 26.4 13.5 40.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 20.724 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VX005425.D

Acq: 18 Oct 2018 13:03

Tgt Ion: 43 Resp: 129023

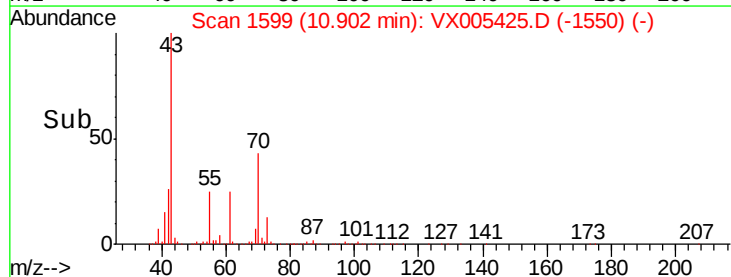
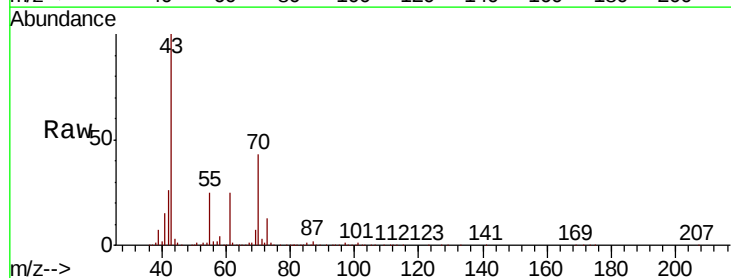
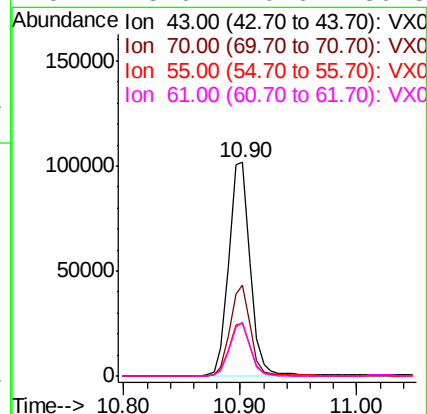
Ion Ratio Lower Upper

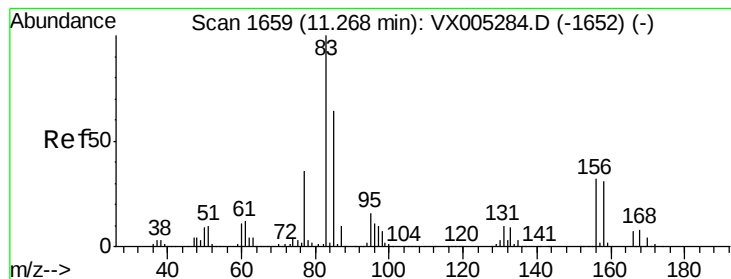
43 100

70 40.7 37.4 56.0

55 24.9 21.8 32.8

61 23.9 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.452 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005425.D

Acq: 18 Oct 2018 13:03

Instrument :

MSVOA_X

ClientSampleId :

VX1018WBS01

Tot Ion: 83 Resp: 94720

Ion Ratio Lower Upper

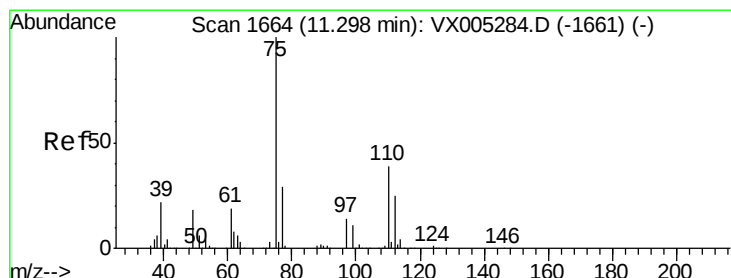
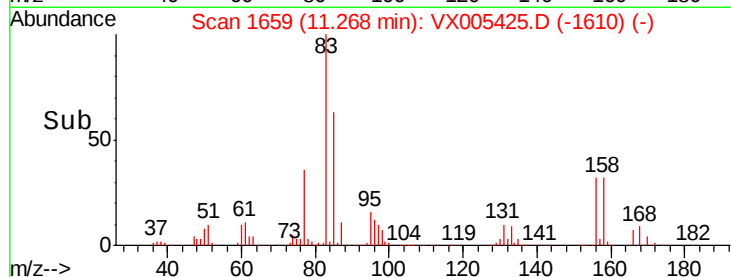
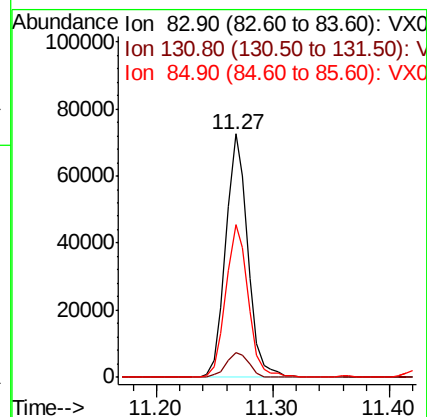
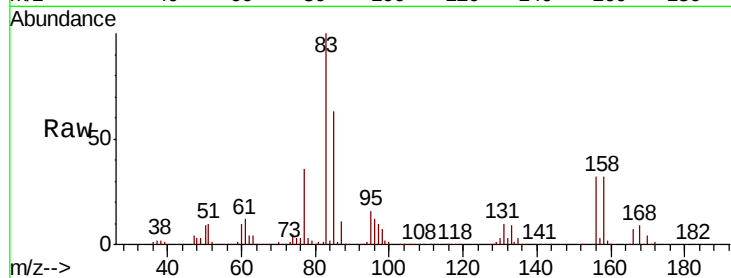
83 100

131 10.7 5.2 15.6

85 64.1 32.3 96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.158 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX005425.D

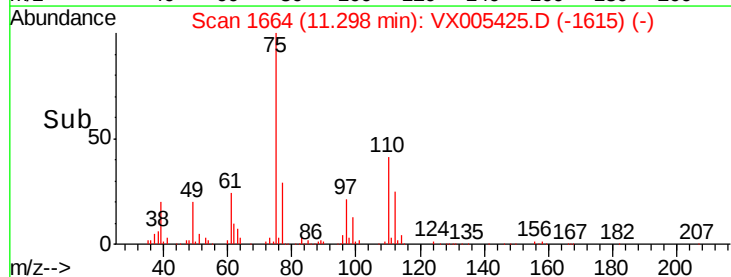
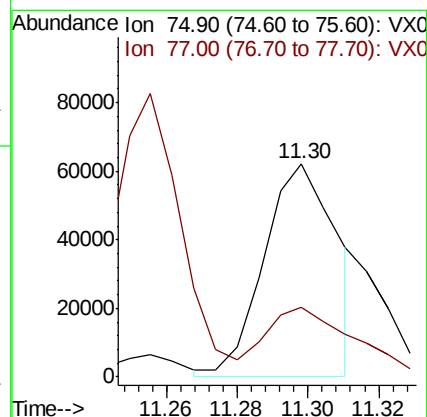
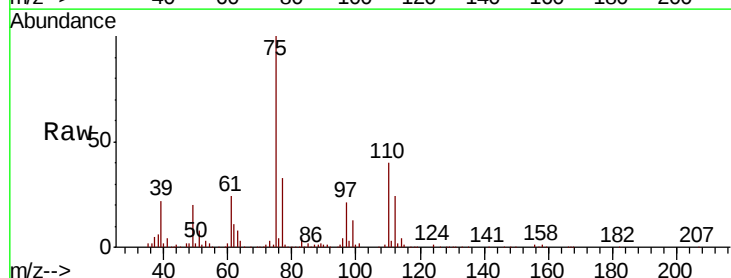
Acq: 18 Oct 2018 13:03

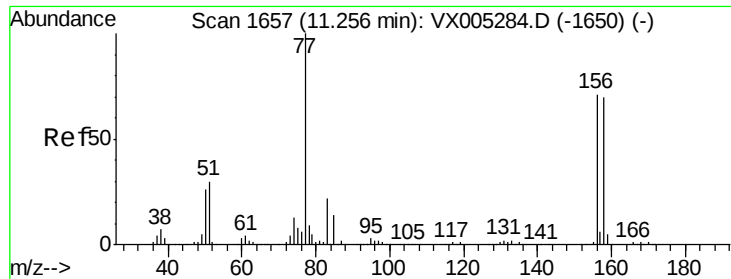
Tgt Ion: 75 Resp: 89115

Ion Ratio Lower Upper

75 100

77 39.6 20.2 60.6





#77

Bromobenzene

Concen: 20.514 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005425.D

Acq: 18 Oct 2018 13:03

Instrument :

MSVOA_X

ClientSampleId :

VX1018WBS01

Tot Ion:156 Resp: 75713

Ion Ratio Lower Upper

156 100

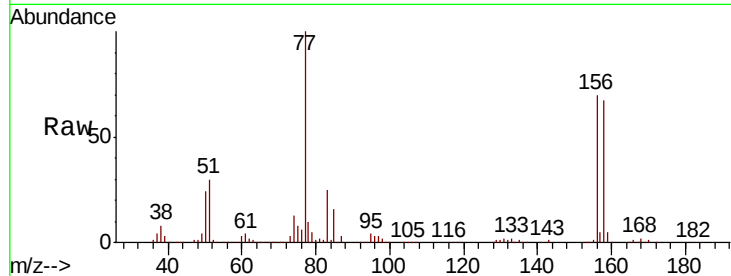
77 142.8 71.5 214.3

158 96.8 48.9 146.8

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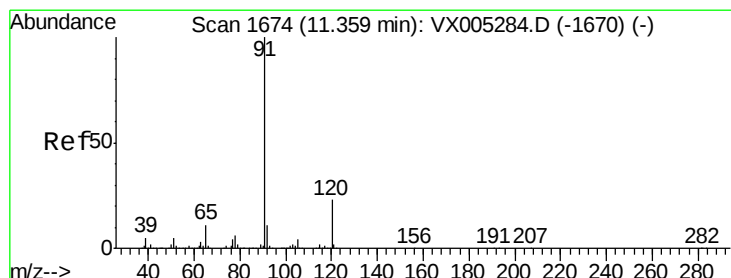
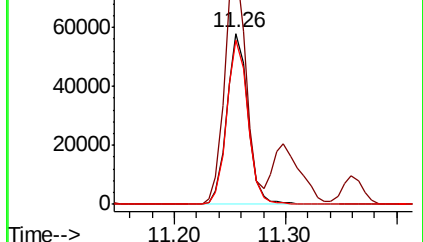
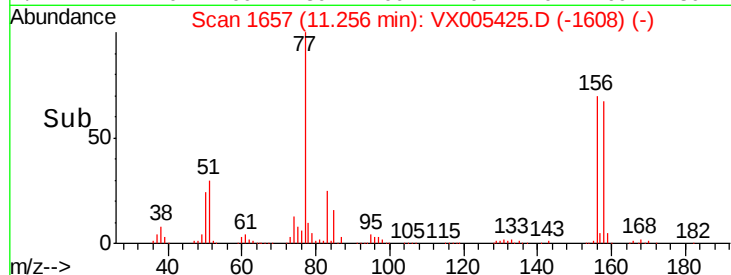
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.374 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005425.D

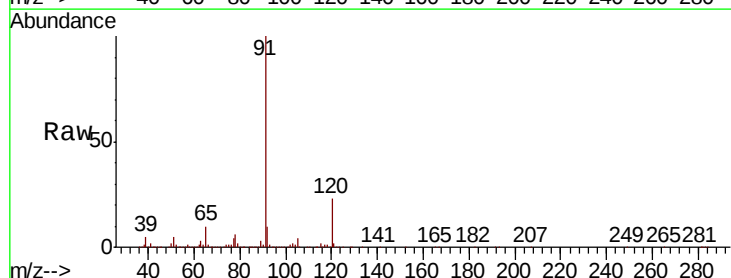
Acq: 18 Oct 2018 13:03

Tgt Ion: 91 Resp: 317485

Ion Ratio Lower Upper

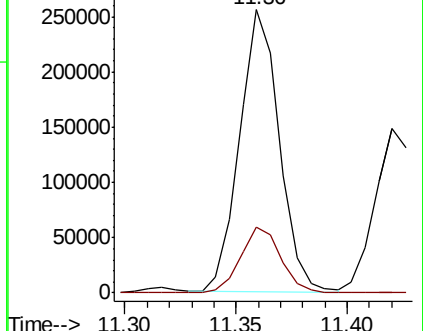
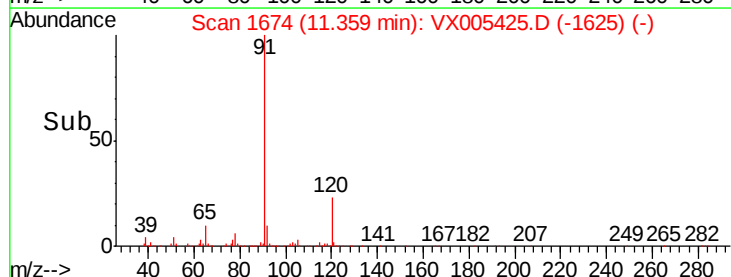
91 100

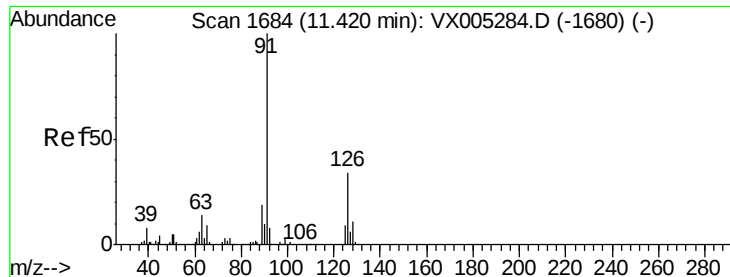
120 23.8 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.888 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX005425.D

Acq: 18 Oct 2018 13:03

Instrument :

MSVOA_X

ClientSampleId :

VX1018WBS01

Tot Ion: 91 Resp: 190017

Ion Ratio Lower Upper

91 100

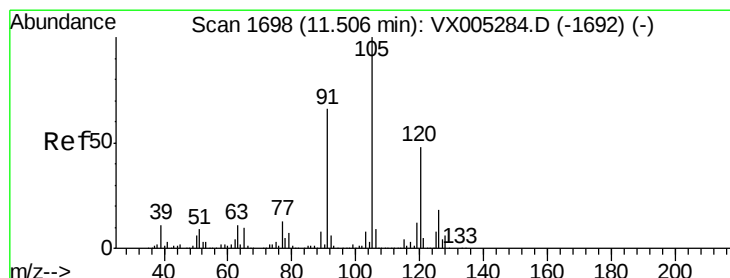
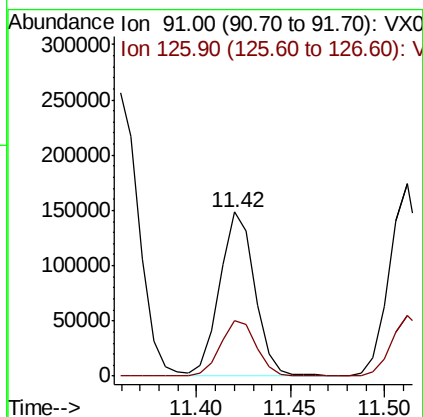
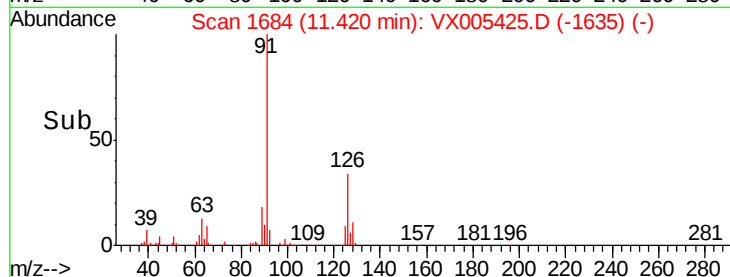
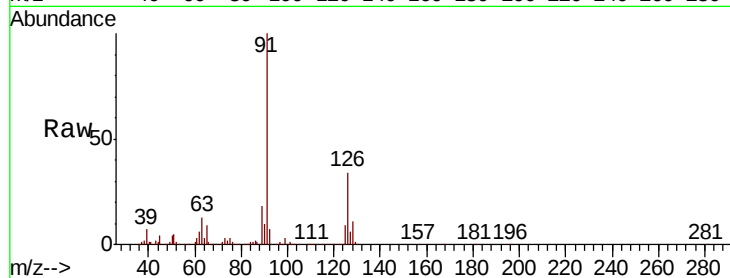
126 35.2 17.9 53.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.191 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX005425.D

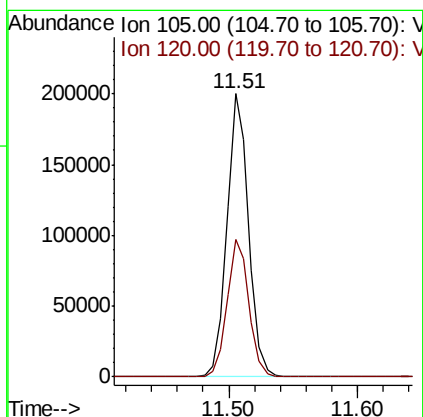
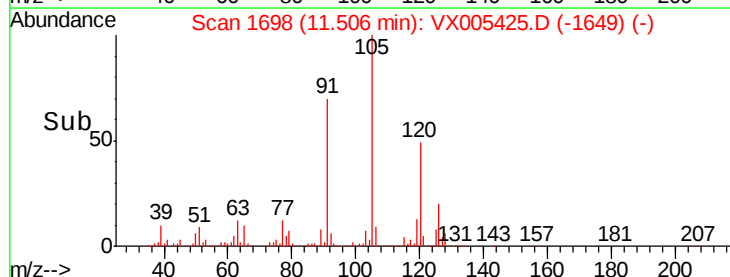
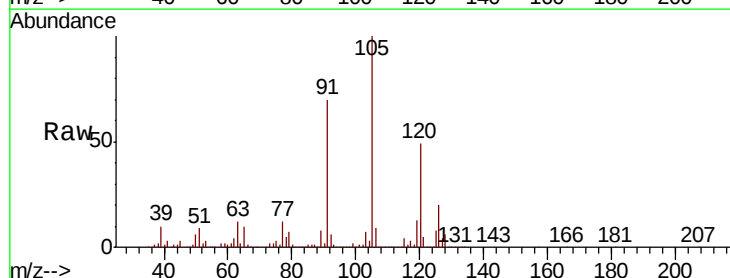
Acq: 18 Oct 2018 13:03

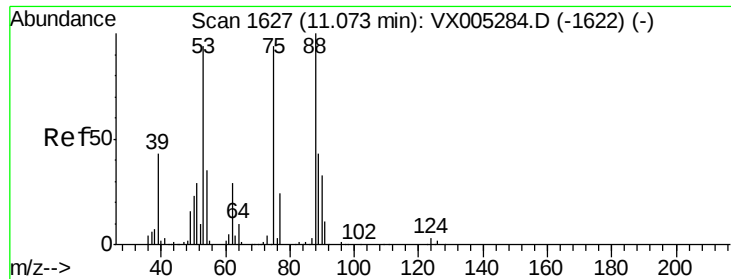
Tgt Ion: 105 Resp: 234242

Ion Ratio Lower Upper

105 100

120 49.4 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 19.035 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX005425.D

Acq: 18 Oct 2018 13:03

Instrument :

MSVOA_X

ClientSampleId :

VX1018WBS01

Tot Ion: 75 Resp: 26386

Ion Ratio Lower Upper

75 100

53 97.7 80.1 120.1

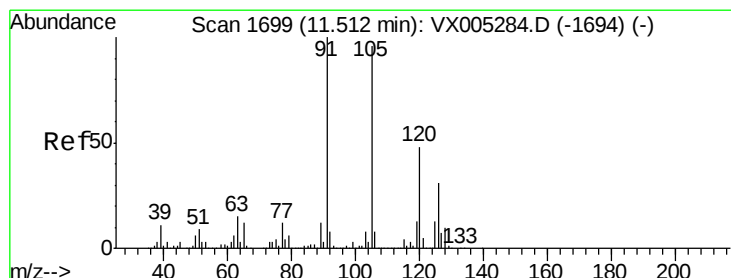
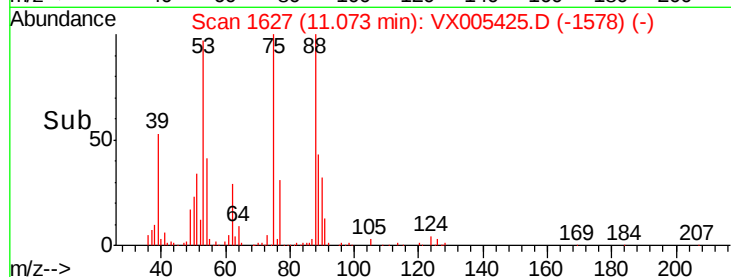
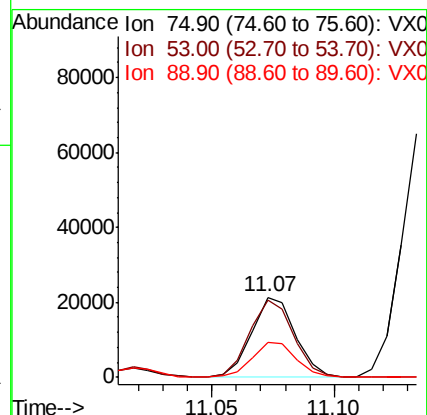
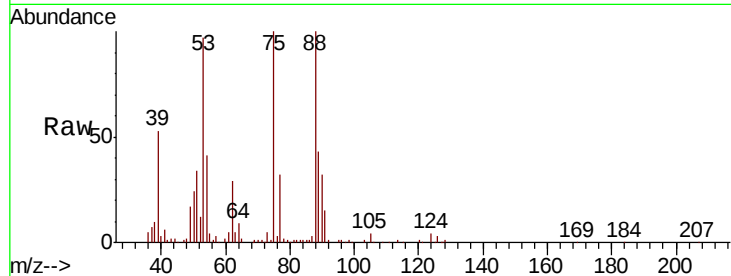
89 45.1 37.2 55.8

Manual Integrations

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#82

4-Chlorotoluene

Concen: 20.380 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX005425.D

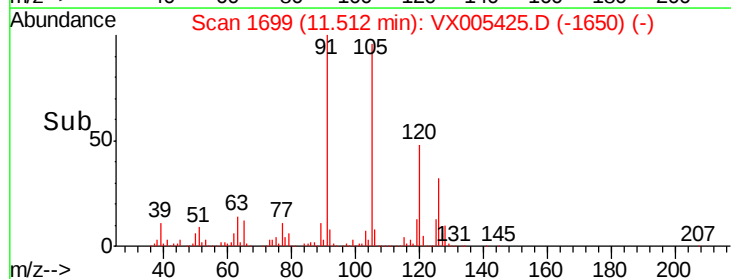
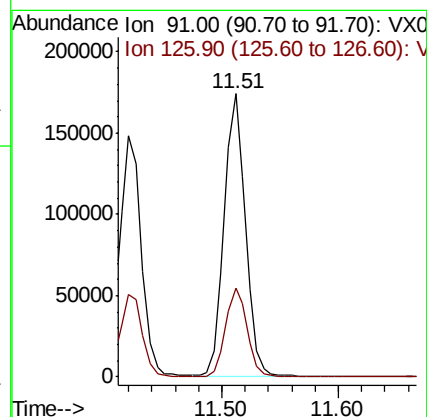
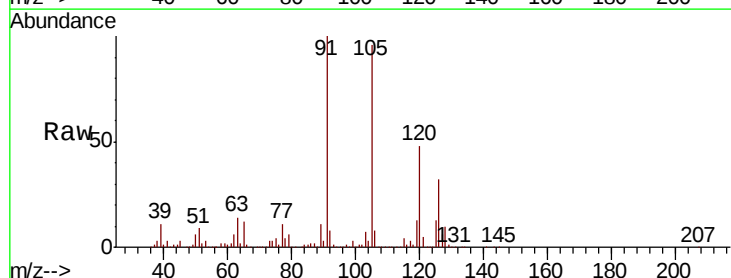
Acq: 18 Oct 2018 13:03

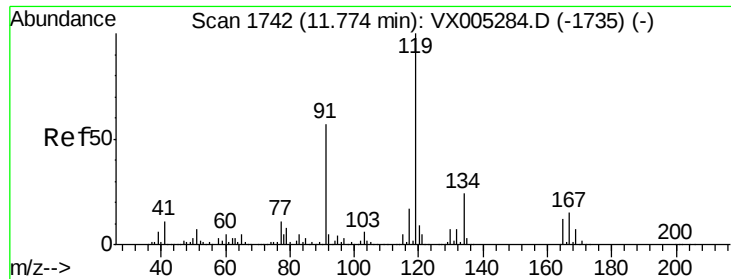
Tgt Ion: 91 Resp: 219773

Ion Ratio Lower Upper

91 100

126 31.8 15.5 46.5





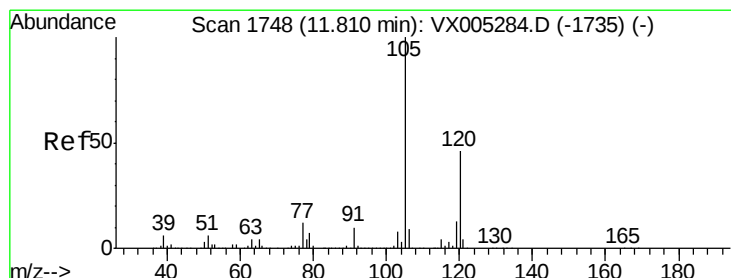
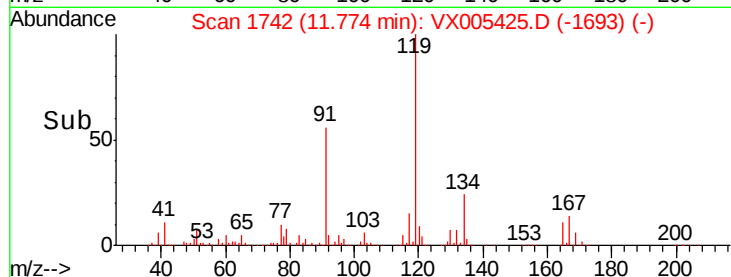
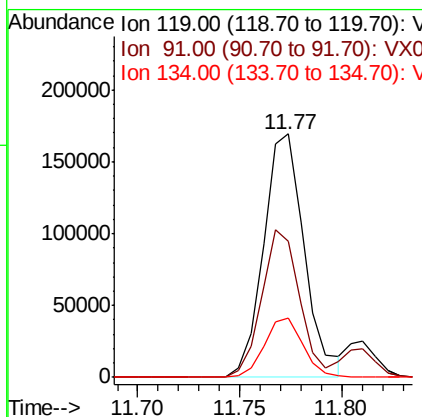
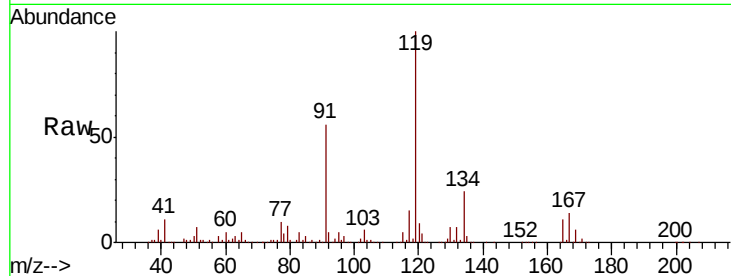
#83
tert-Butylbenzene
Concen: 21.035 ug/l
RT: 11.77 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX005425.D
Acq: 18 Oct 2018 13:03

Instrument :
MSVOA_X
ClientSampleId :
VX1018WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	56.3	27.0	81.0
134	23.2	11.7	35.1

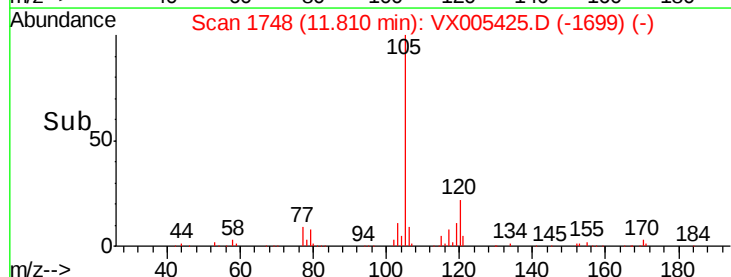
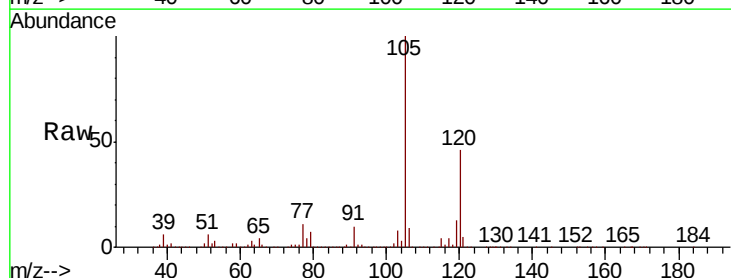
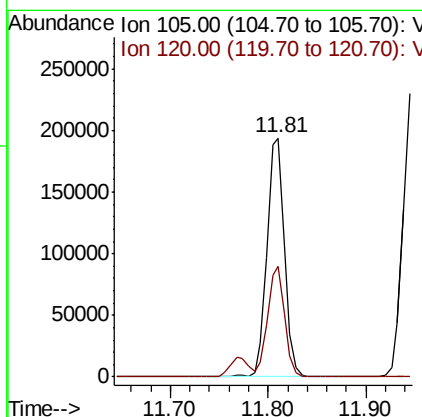
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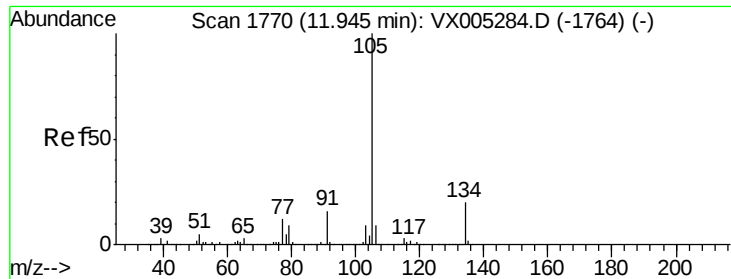
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 21.477 ug/l
RT: 11.81 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VX005425.D
Acq: 18 Oct 2018 13:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.9	23.2	69.6





#85

sec-Butylbenzene

Concen: 21.634 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX005425.D

Acq: 18 Oct 2018 13:03

Instrument :

MSVOA_X

ClientSampleId :

VX1018WBS01

Tot Ion:105 Resp: 286576

Ion Ratio Lower Upper

105 100

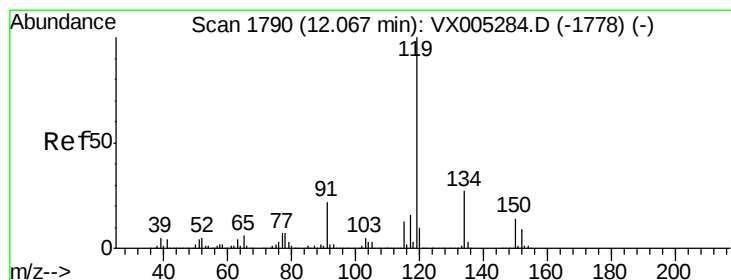
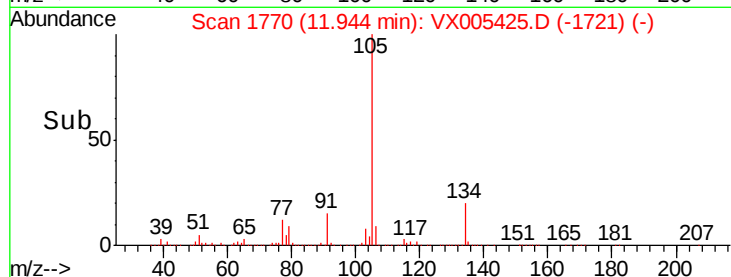
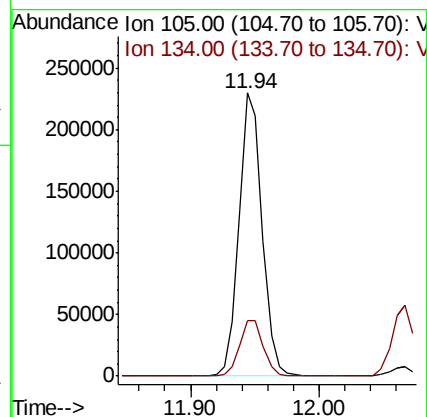
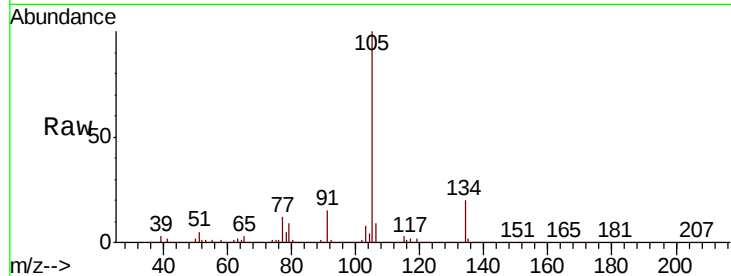
134 20.3 10.5 31.5

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#86

p-Isopropyltoluene

Concen: 21.480 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX005425.D

Acq: 18 Oct 2018 13:03

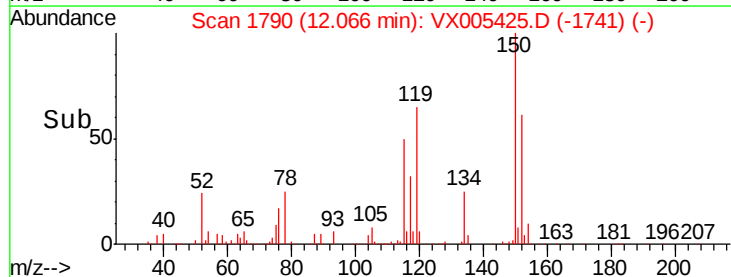
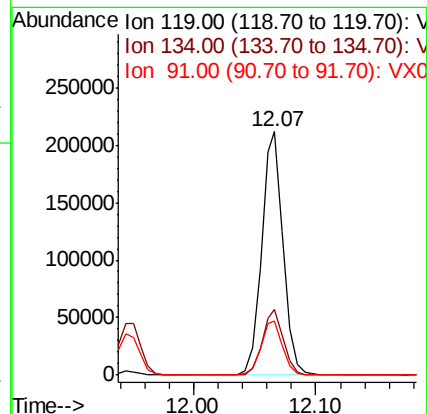
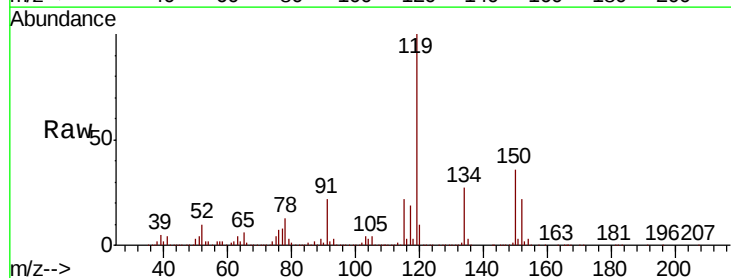
Tgt Ion:119 Resp: 257185

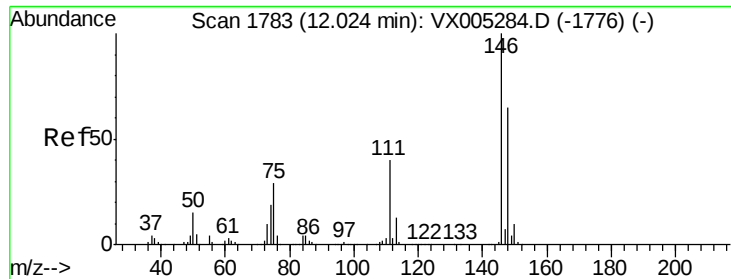
Ion Ratio Lower Upper

119 100

134 26.5 13.4 40.2

91 22.4 10.9 32.7





#87

1,3-Dichlorobenzene

Concen: 20.148 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX005425.D

Acq: 18 Oct 2018 13:03

Instrument :

MSVOA_X

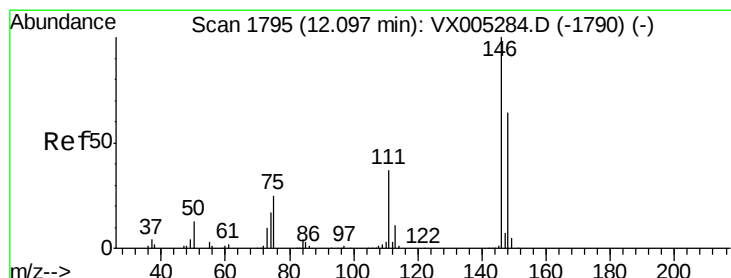
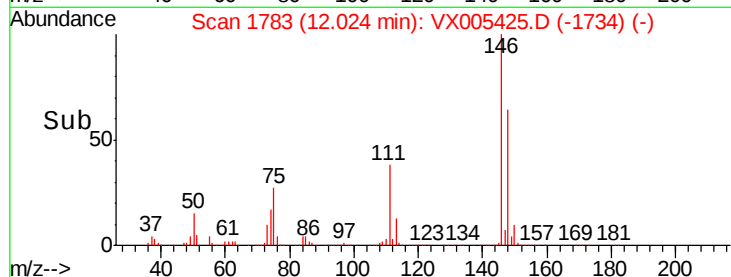
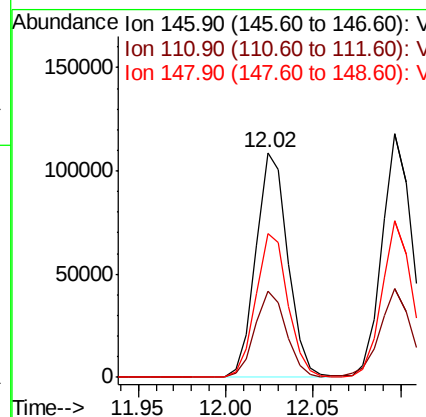
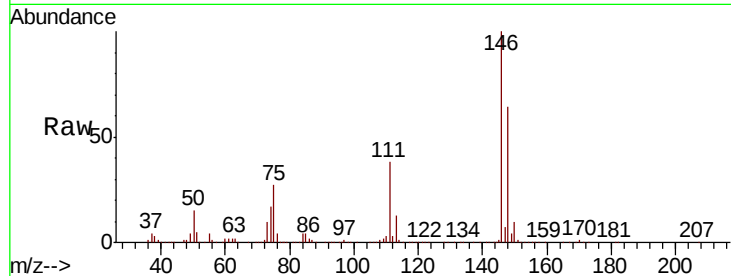
ClientSampleId :

VX1018WBS01

Tot Ion:	146	Resp:	138955
Ion Ratio	Lower	Upper	
146	100		
111	37.7	18.7	56.1
148	64.1	32.1	96.5

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#88

1,4-Dichlorobenzene

Concen: 20.124 ug/l

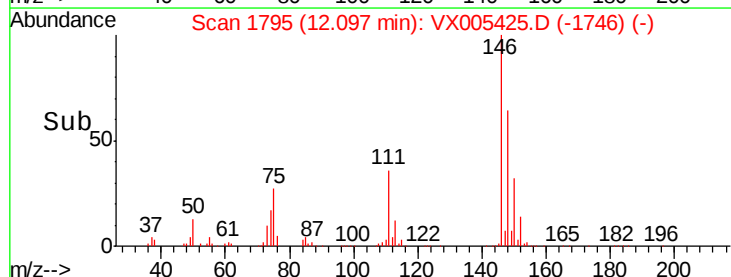
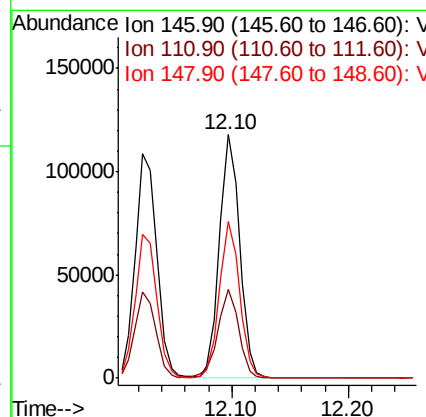
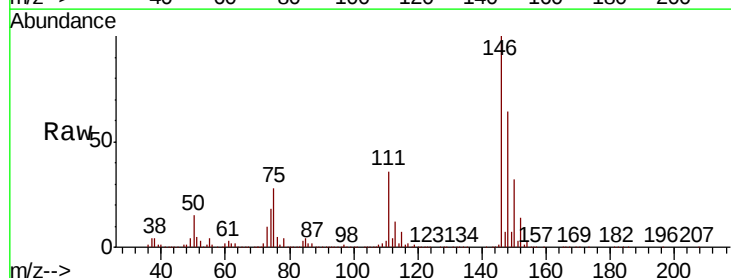
RT: 12.10 min Scan# 1795

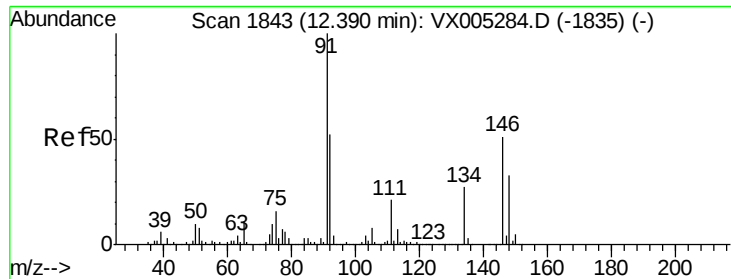
Delta R.T. -0.00 min

Lab File: VX005425.D

Acq: 18 Oct 2018 13:03

Tgt Ion:	146	Resp:	141978
Ion Ratio	Lower	Upper	
146	100		
111	37.5	18.1	54.1
148	64.2	32.0	96.0





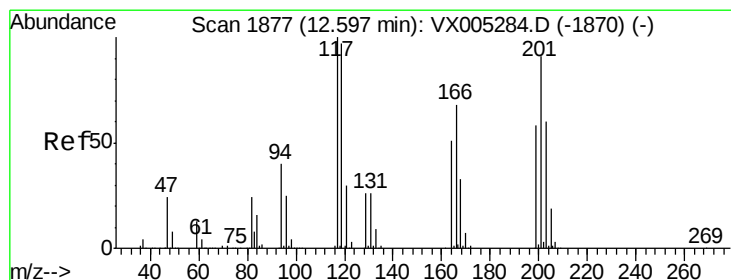
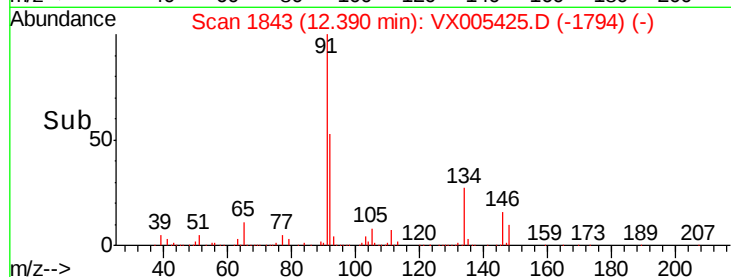
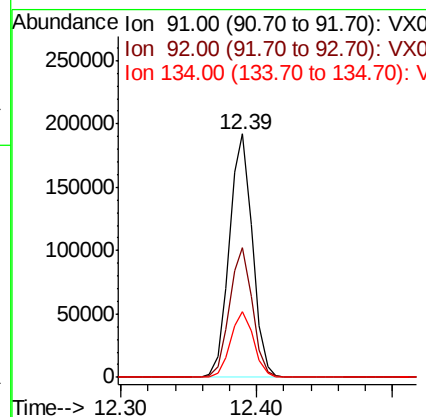
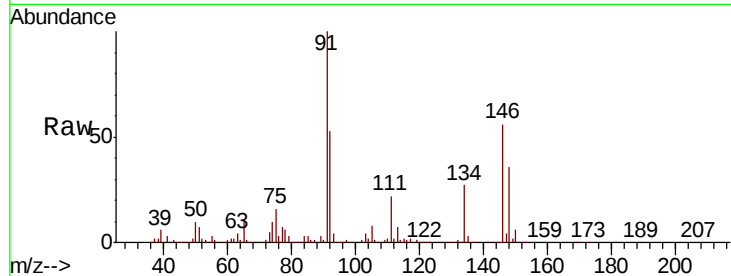
#89
n-Butylbenzene
Concen: 20.719 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005425.D
Acq: 18 Oct 2018 13:03

Instrument :
MSVOA_X
ClientSampleId :
VX1018WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	225239		
92	52.8		27.3	81.9
134	27.0		13.6	40.7

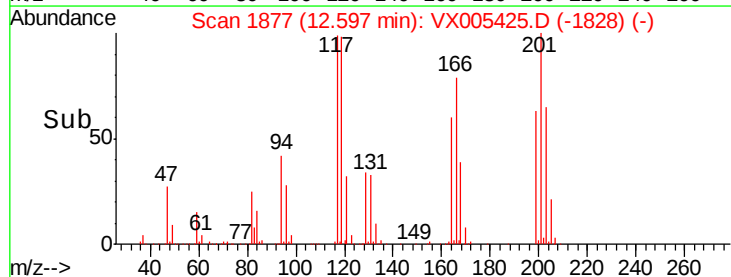
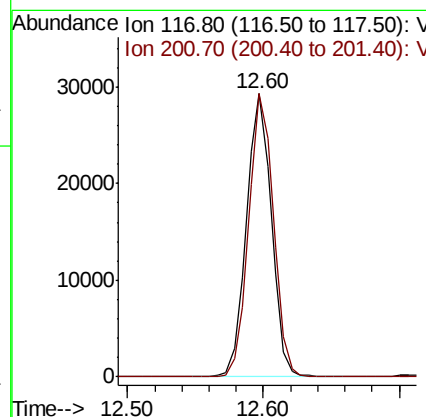
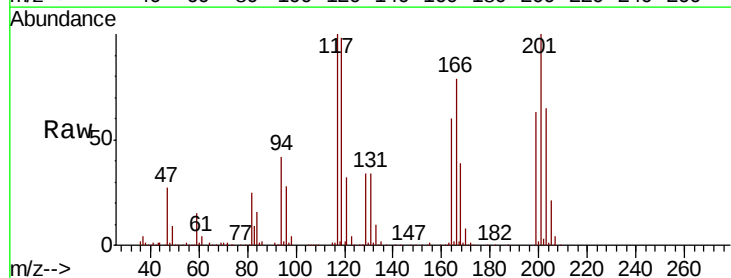
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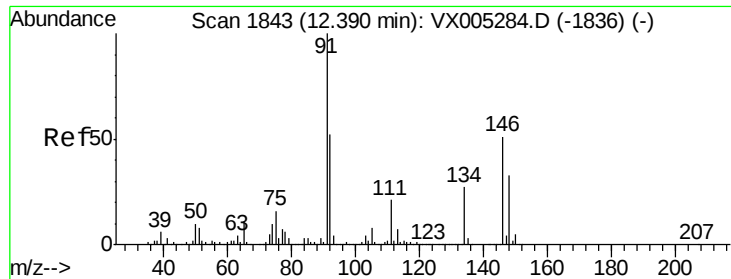
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#90
Hexachloroethane
Concen: 18.017 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005425.D
Acq: 18 Oct 2018 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	37177		
201	100.1		46.9	140.6





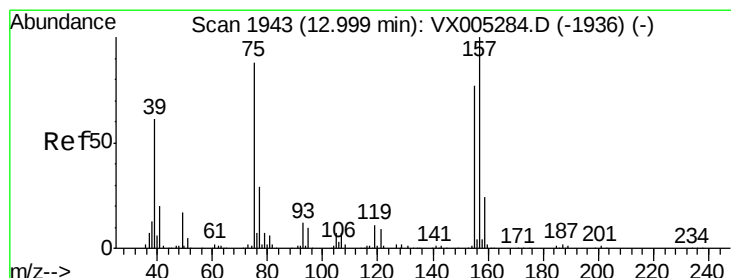
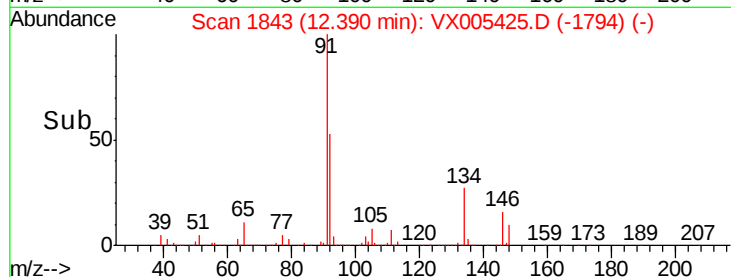
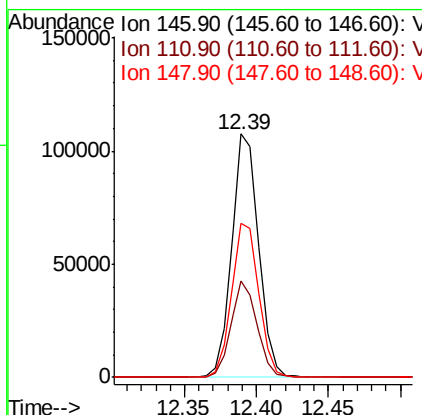
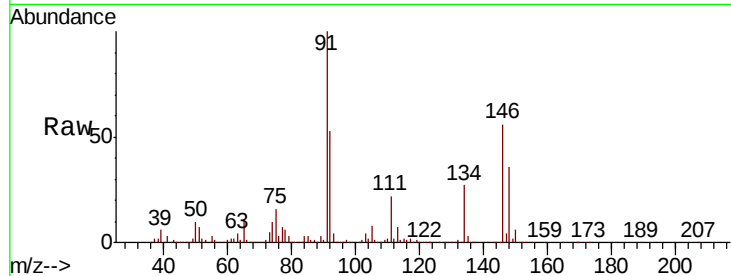
#91
 1,2-Dichlorobenzene
 Concen: 19.939 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX005425.D
 Acq: 18 Oct 2018 13:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1018WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.4	58.1
148	64.5	32.8	98.3

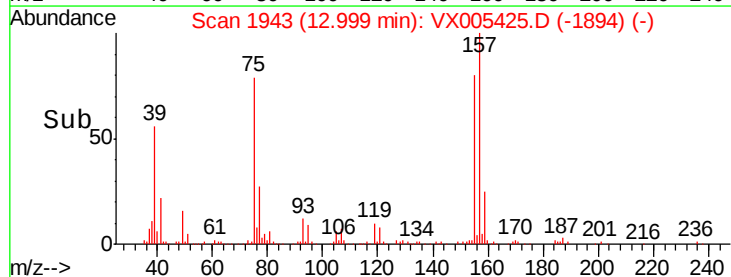
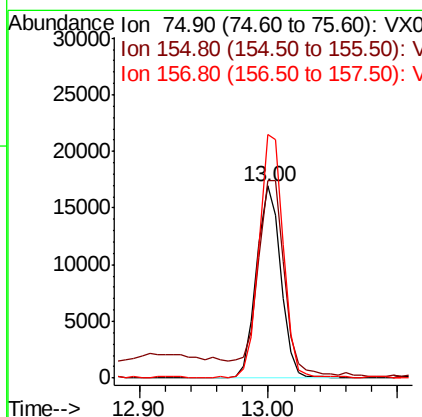
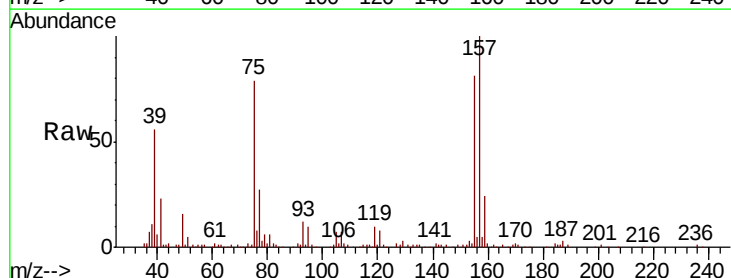
Manual Integrations
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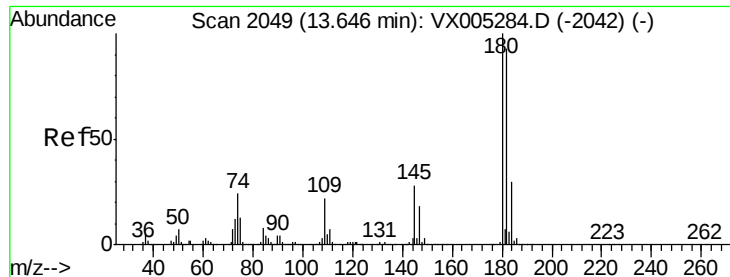
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.435 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX005425.D
 Acq: 18 Oct 2018 13:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	112.0	48.0	144.2
157	124.5	61.4	184.1





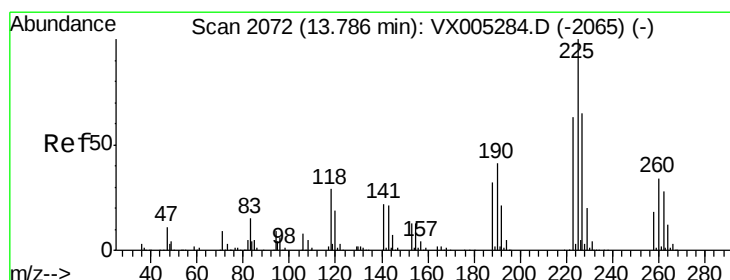
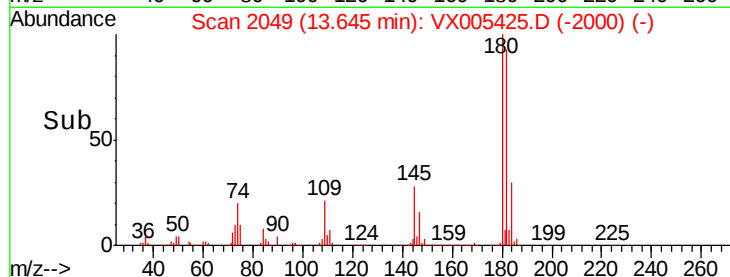
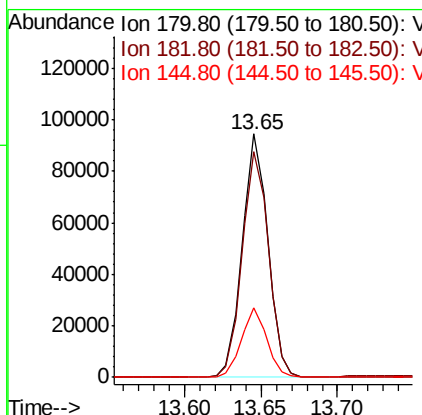
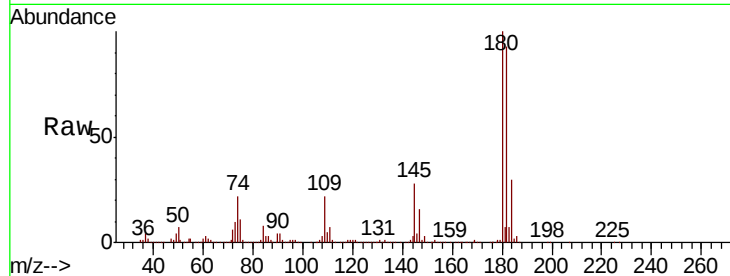
#93
 1,2,4-Trichlorobenzene
 Concen: 21.234 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005425.D
 Acq: 18 Oct 2018 13:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1018WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	109642		
182	95.7	48.4	145.0	
145	27.9	14.3	42.9	

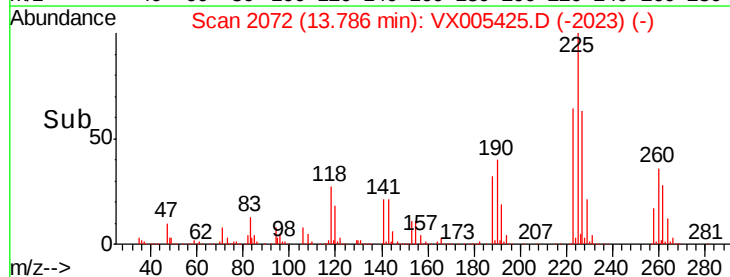
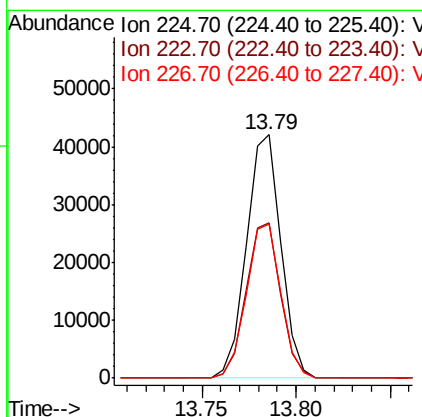
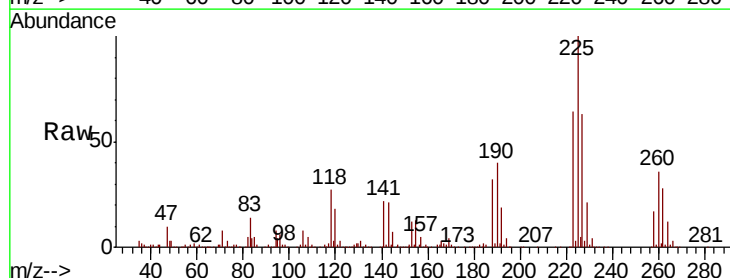
Manual Integrations
 APPROVED

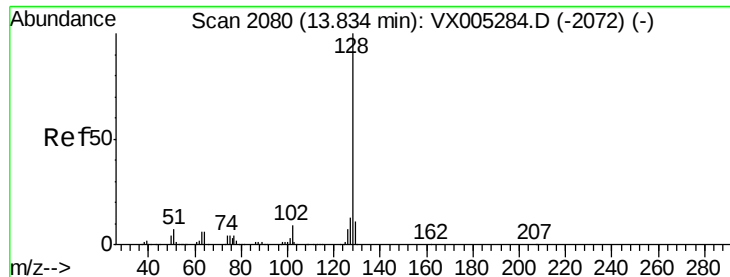
MMDadoda
 10/19/2018 1:51:32 PM



#94
 Hexachlorobutadiene
 Concen: 19.528 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX005425.D
 Acq: 18 Oct 2018 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	53255		
223	64.0	30.1	90.5	
227	63.6	30.8	92.4	





#95

Naphthalene

Concen: 22.721 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX005425.D

Acq: 18 Oct 2018 13:03

Instrument :

MSVOA_X

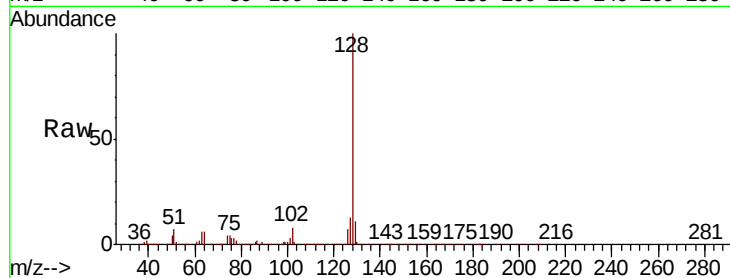
ClientSampleId :

VX1018WBS01

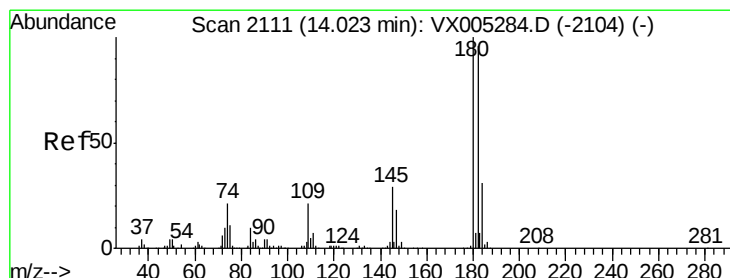
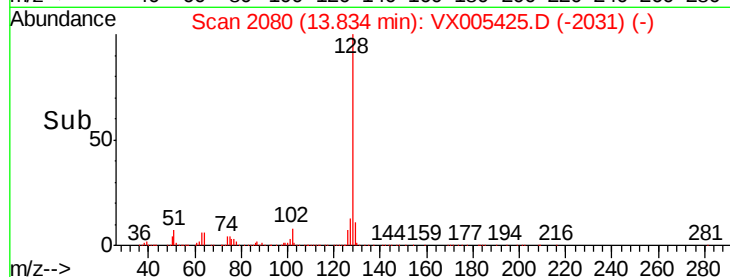
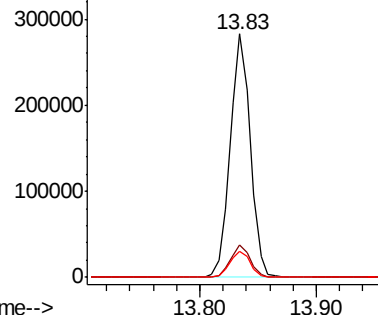
Tot Ion:	128	Resp:	340247
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.2	15.2
129	10.8	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/19/2018 1:51:32 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.157 ug/l

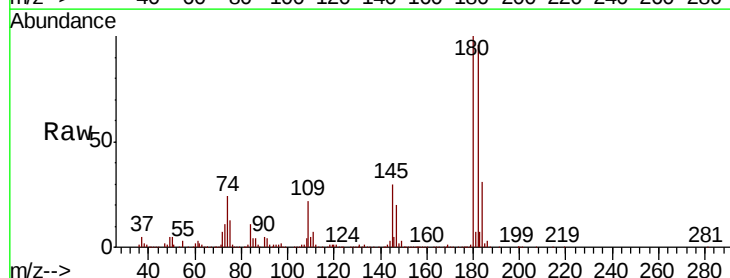
RT: 14.02 min Scan# 2110

Delta R.T. -0.01 min

Lab File: VX005425.D

Acq: 18 Oct 2018 13:03

Tgt Ion:	180	Resp:	111775
Ion Ratio	Lower	Upper	
180	100		
182	95.8	48.5	145.6
145	29.5	14.9	44.9



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

