

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX102418\
 Data File : VX005537.D
 Acq On : 24 Oct 2018 12:52
 Operator : JC/MD
 Sample : VSTDIC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 10/26/2018 11:53:19 AM

Quant Time: Oct 25 02:52:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 25 01:45:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	238946	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	328978	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	305231	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	192156	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	382502	131.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	262.28%	
35) Dibromofluoromethane	5.50	113	325020	145.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	291.82%	
50) Toluene-d8	8.72	98	1139481	142.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	284.72%	
62) 4-Bromofluorobenzene	11.14	95	475838	157.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	314.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	365871	155.128	ug/l	97
3) Chloromethane	1.32	50	416424	138.643	ug/l	100
4) Vinyl Chloride	1.41	62	410312	138.931	ug/l	96
5) Bromomethane	1.64	94	276208	150.300	ug/l	99
6) Chloroethane	1.70	64	245485	130.115	ug/l	99
7) Trichlorofluoromethane	1.91	101	545660	132.967	ug/l	96
8) Diethyl Ether	2.19	74	225221	137.523	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.37	101	306653	130.239	ug/l	97
10) Methyl Iodide	2.50	142	380096	170.848	ug/l	99
11) Tert butyl alcohol	3.10	59	611892	779.579	ug/l	98
12) 1,1-Dichloroethene	2.36	96	292210	130.277	ug/l	93
13) Acrolein	2.30	56	294546	735.659	ug/l	98
14) Allyl chloride	2.73	41	699350	139.706	ug/l	97
15) Acrylonitrile	3.15	53	1213283	689.348	ug/l	98
16) Acetone	2.46	43	1073130	696.261	ug/l	94
17) Carbon Disulfide	2.56	76	957957	140.106	ug/l	99
18) Methyl Acetate	2.78	43	561438	130.034	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	1081392	135.157	ug/l	99
20) Methylene Chloride	2.85	84	332068	128.640	ug/l	93
21) trans-1,2-Dichloroethene	3.16	96	321608	131.322	ug/l	96
22) Diisopropyl ether	3.87	45	1247801	142.740	ug/l	89
23) Vinyl Acetate	3.82	43	5395808	700.853	ug/l	99
24) 1,1-Dichloroethane	3.69	63	656781	138.190	ug/l	98
25) 2-Butanone	4.71	43	1732408	738.122	ug/l	99
26) 2,2-Dichloropropane	4.59	77	494277	134.706	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	360011	136.357	ug/l	97
28) Bromochloromethane	5.02	49	303103	131.858	ug/l	99
29) Tetrahydrofuran	5.15	42	1172613	767.714	ug/l	98
30) Chloroform	5.23	83	613582	138.017	ug/l	94
31) Cyclohexane	5.57	56	578552	147.126	ug/l	91
32) 1,1,1-Trichloroethane	5.49	97	555813	141.651	ug/l	97
36) 1,1-Dichloropropene	5.80	75	463386	145.144	ug/l	97
37) Ethyl Acetate	4.87	43	644415	158.177	ug/l	99
38) Carbon Tetrachloride	5.78	117	483336	143.741	ug/l	94

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 ClientSampleID :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 10/26/2018 11:53:19 AM

Quant Time: Oct 25 02:52:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 25 01:45:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	524068	148.657	ug/l	98
40) Benzene	6.14	78	1331970	145.540	ug/l #	89
41) Methacrylonitrile	5.07	41	351792	155.018	ug/l	99
42) 1,2-Dichloroethane	6.20	62	491285	141.308	ug/l	99
43) Isopropyl Acetate	6.46	43	1004097	164.473	ug/l	99
44) Trichloroethene	7.21	130	352609	141.428	ug/l	99
45) 1,2-Dichloropropane	7.52	63	346911	140.992	ug/l	100
46) Dibromomethane	7.66	93	221662	139.484	ug/l	99
47) Bromodichloromethane	7.90	83	460696	149.367	ug/l	90
48) Methyl methacrylate	7.78	41	467189	157.086	ug/l	99
49) 1,4-Dioxane	7.76	88	203482	3130.772	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	3228214	786.810	ug/l	99
52) Toluene	8.79	92	805480	144.817	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	536493	160.943	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	550883	153.496	ug/l	100
55) 1,1,2-Trichloroethane	9.22	97	333704	142.304	ug/l	98
56) Ethyl methacrylate	9.18	69	581219	166.168	ug/l	99
57) 1,3-Dichloropropane	9.37	76	565641	142.557	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	1516264	776.161	ug/l	100
59) 2-Hexanone	9.50	43	2663249	823.276	ug/l	99
60) Dibromochloromethane	9.59	129	379433	155.084	ug/l	99
61) 1,2-Dibromoethane	9.68	107	356077	146.775	ug/l	100
64) Tetrachloroethene	9.34	164	336823	132.930	ug/l	99
65) Chlorobenzene	10.14	112	932423	143.456	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	351802	148.440	ug/l	100
67) Ethyl Benzene	10.26	91	1621057	151.587	ug/l	98
68) m/p-Xylenes	10.36	106	1257307	303.044	ug/l	99
69) o-Xylene	10.70	106	611498	156.659	ug/l	100
70) Styrene	10.71	104	1053915	161.288	ug/l	99
71) Bromoform	10.86	173	361019	170.708	ug/l	99
73) Isopropylbenzene	11.02	105	1667593	141.969	ug/l	99
74) N-amyl acetate	10.90	43	951981	163.564	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	629909	145.358	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	565248m	143.555	ug/l	
77) Bromobenzene	11.26	156	460310	140.615	ug/l	99
78) n-propylbenzene	11.37	91	1984446	147.748	ug/l	99
79) 2-Chlorotoluene	11.42	91	1190735	142.983	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	1483423	147.630	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	212233	170.332	ug/l	93
82) 4-Chlorotoluene	11.51	91	1435652	146.199	ug/l	100
83) tert-Butylbenzene	11.77	119	1508718	150.629	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	1543599	151.573	ug/l	100
85) sec-Butylbenzene	11.95	105	1788644	149.655	ug/l	100
86) p-Isopropyltoluene	12.07	119	1639516	153.453	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	888874	144.396	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	900263	139.819	ug/l	100
89) n-Butylbenzene	12.39	91	1521402	157.734	ug/l	99
90) Hexachloroethane	12.60	117	292397	158.676	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	914021	146.759	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	161965	154.576	ug/l	97

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MSVOA_X
ClientSampleId :
VSTDICC150

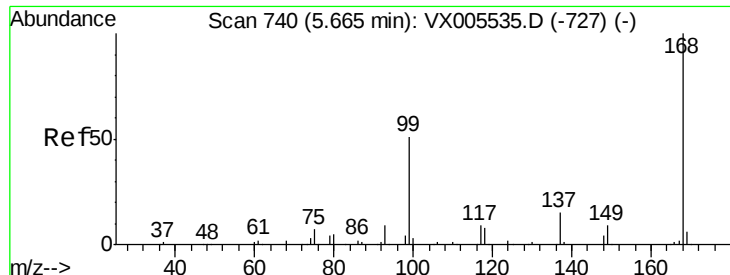
Manual Integrations
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10/26/2018 11:53:19 AM

Quant Time: Oct 25 02:52:19 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 25 01:45:25 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	693071	153.515	ug/l	99
94) Hexachlorobutadiene	13.79	225	336169	143.686	ug/l	99
95) Naphthalene	13.83	128	2114852	161.153	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	689428	150.645	ug/l	100

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



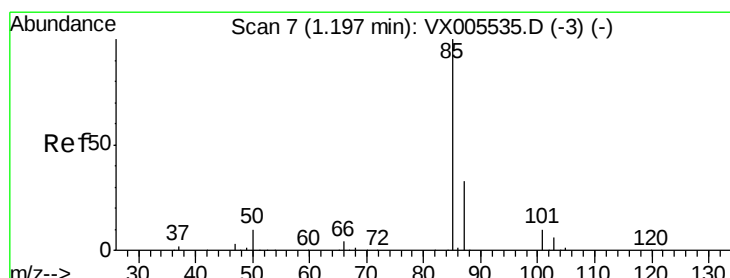
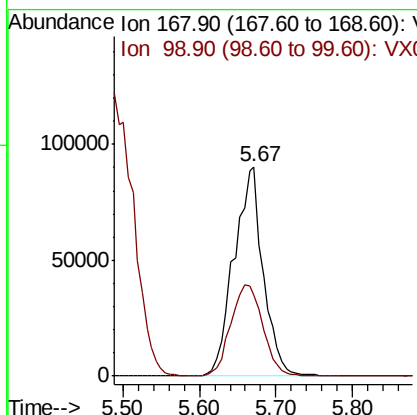
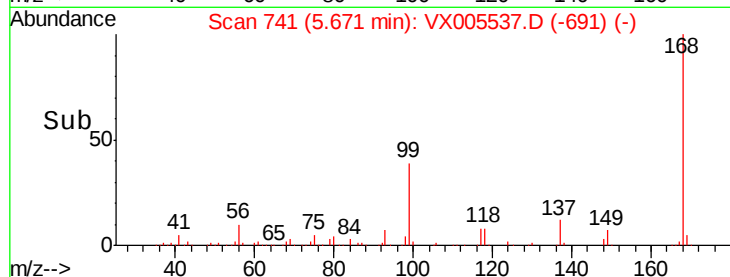
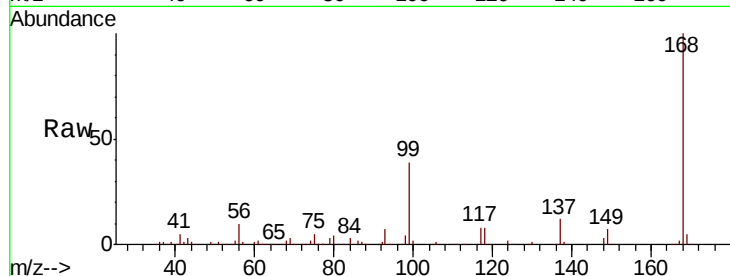
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 741
Delta R.T. 0.01 min
Lab File: VX005537.D
Acq: 24 Oct 2018 12:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tot Ion	Ratio	Lower	Upper
168	100		
99	38.4	40.7	61.1#

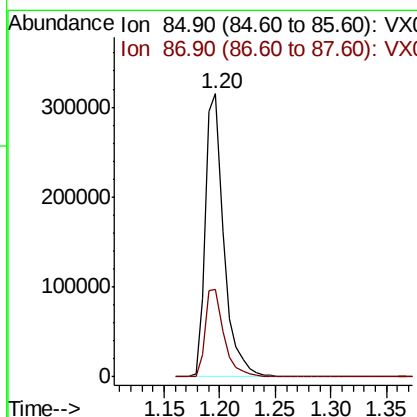
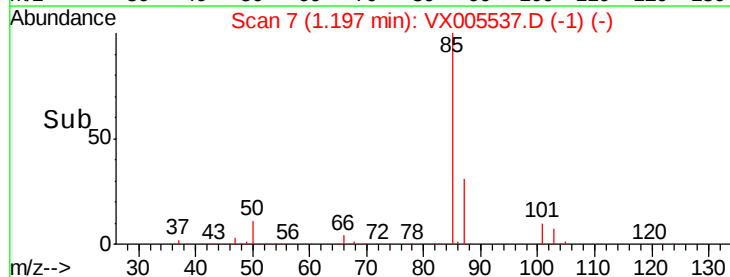
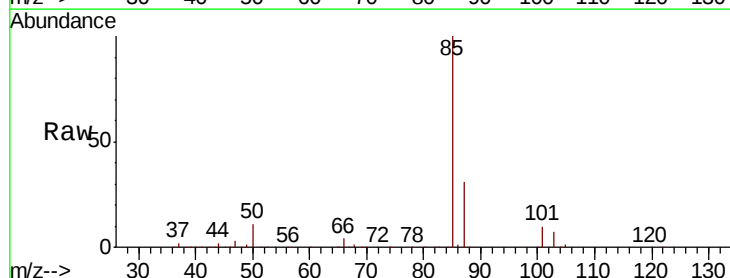
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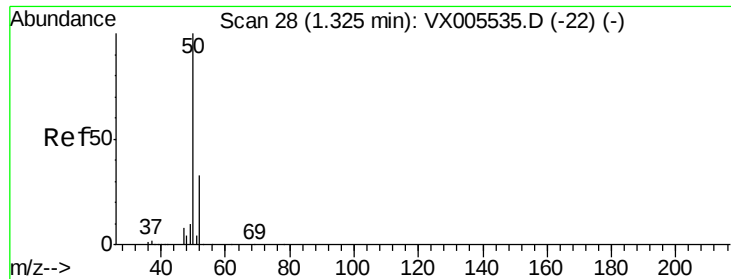
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#2
Dichlorodifluoromethane
Concen: 155.128 ug/l
RT: 1.20 min Scan# 7
Delta R.T. -0.00 min
Lab File: VX005537.D
Acq: 24 Oct 2018 12:52

Tgt Ion	Ratio	Lower	Upper
85	100		
87	30.7	16.3	48.9





#3

Chloromethane

Concen: 138.643 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005537.D

Acq: 24 Oct 2018 12:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tot Ion: 50 Resp: 416424

Ion Ratio Lower Upper

50 100

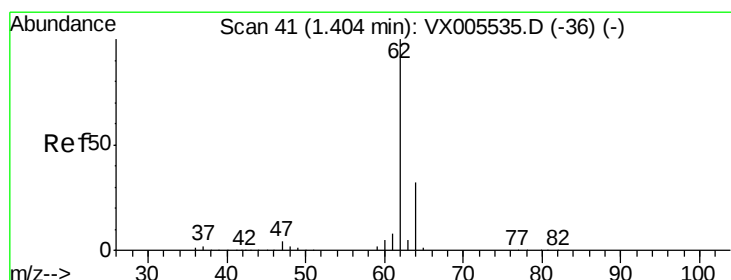
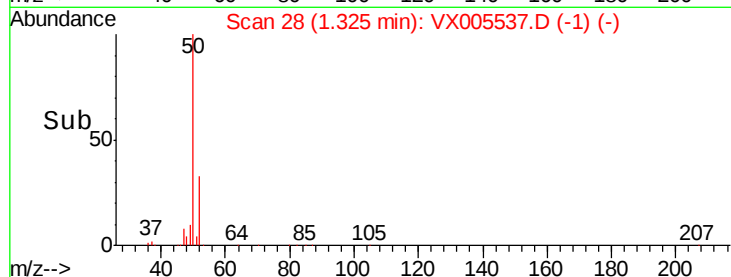
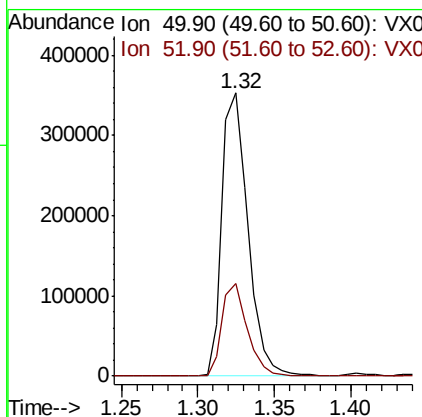
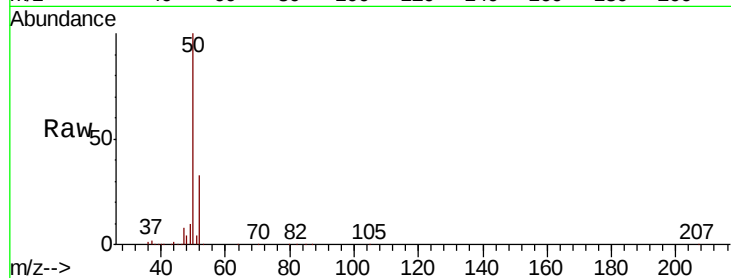
52 32.9 26.2 39.2

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#4

Vinyl Chloride

Concen: 138.931 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX005537.D

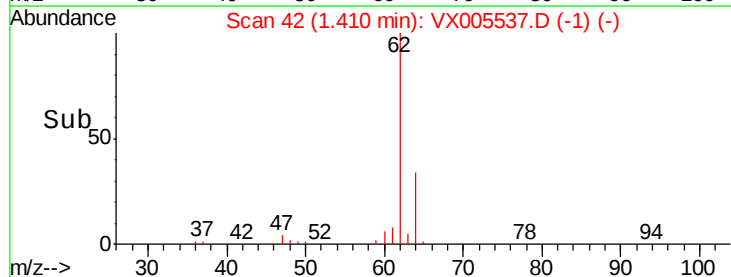
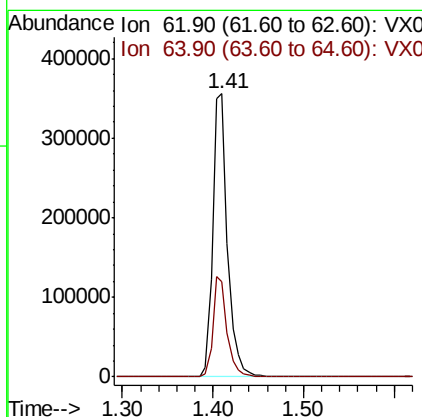
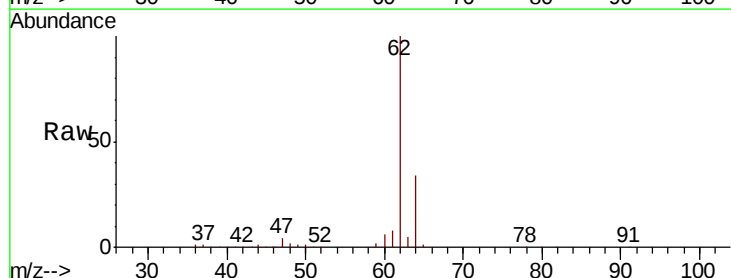
Acq: 24 Oct 2018 12:52

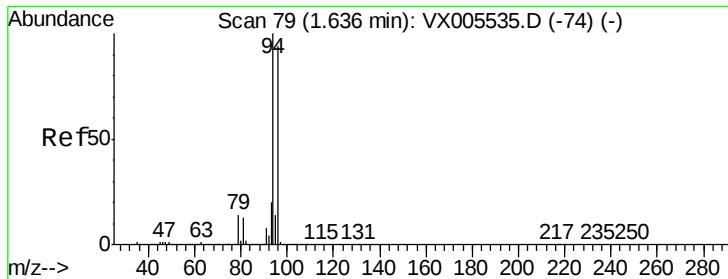
Tgt Ion: 62 Resp: 410312

Ion Ratio Lower Upper

62 100

64 33.6 25.3 37.9





#5

Bromomethane

Concen: 150.300 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005537.D

Acq: 24 Oct 2018 12:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 276208

Ion Ratio Lower Upper

94 100

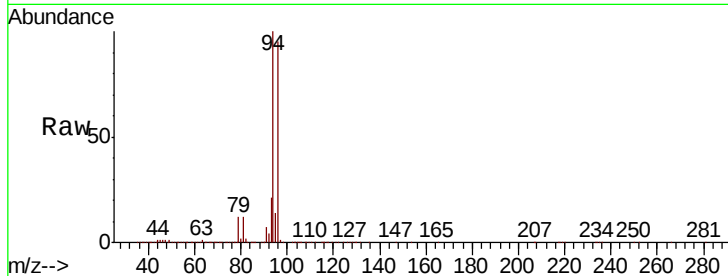
96 94.6 75.2 112.8

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

250000

200000

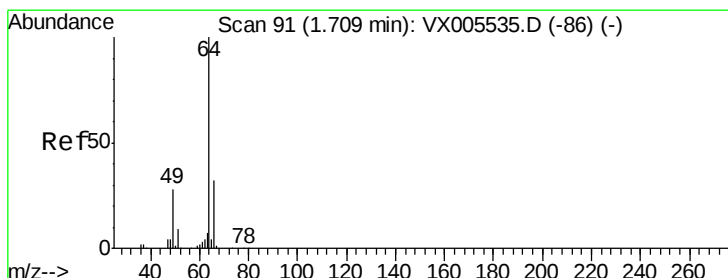
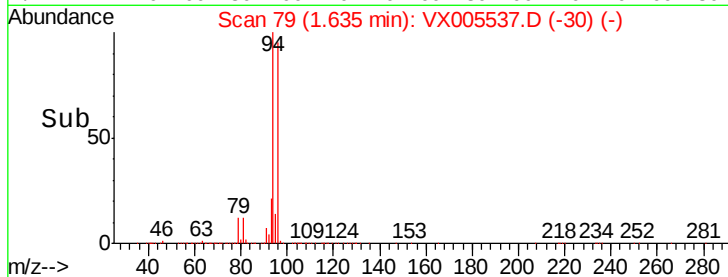
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 130.115 ug/l

RT: 1.70 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX005537.D

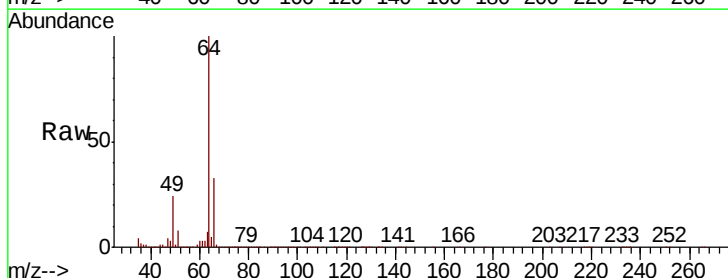
Acq: 24 Oct 2018 12:52

Tgt Ion: 64 Resp: 245485

Ion Ratio Lower Upper

64 100

66 32.9 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.70

250000

200000

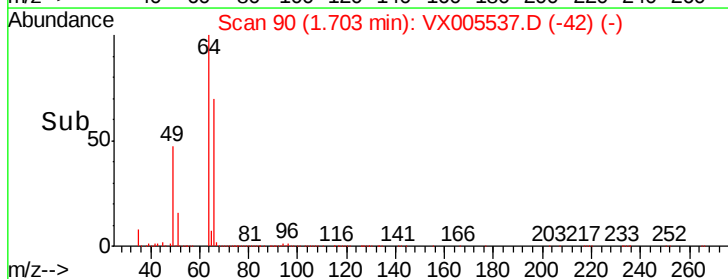
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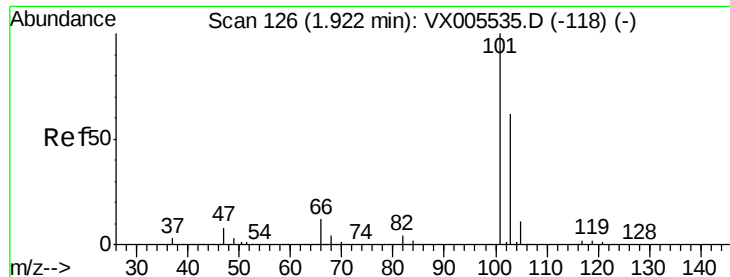
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Time-->





#7

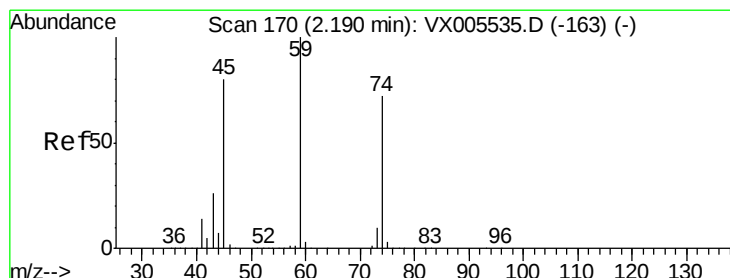
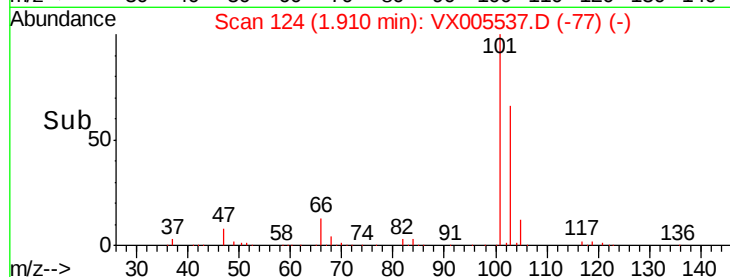
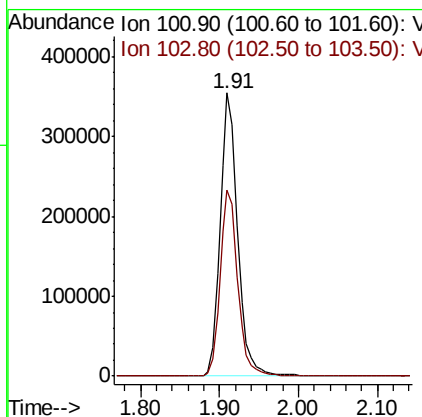
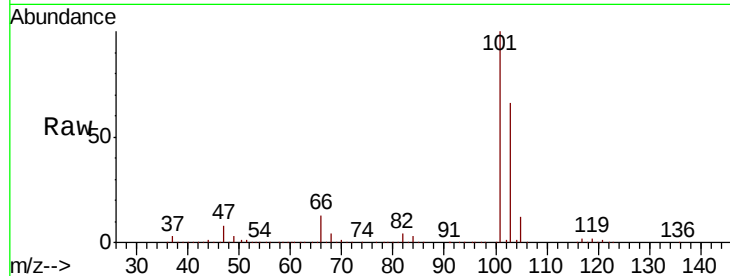
Trichlorofluoromethane
 Concen: 132.967 ug/l
 RT: 1.91 min Scan# 124
 Delta R.T. -0.01 min
 Lab File: VX005537.D
 Acq: 24 Oct 2018 12:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.7	50.0	75.0

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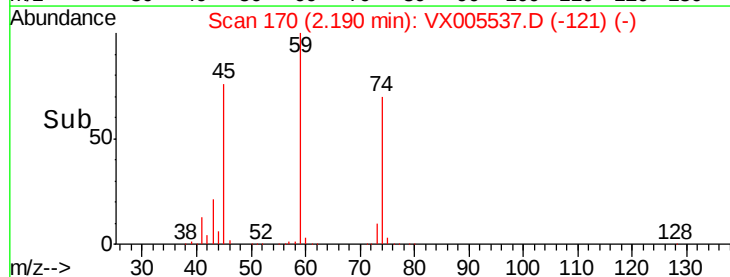
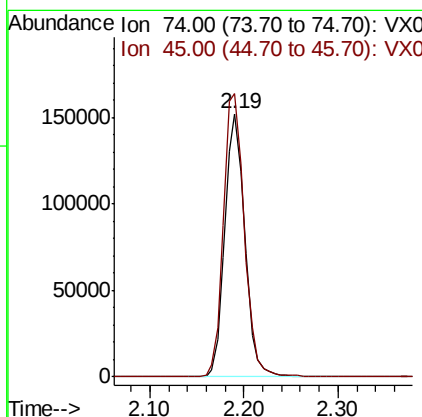
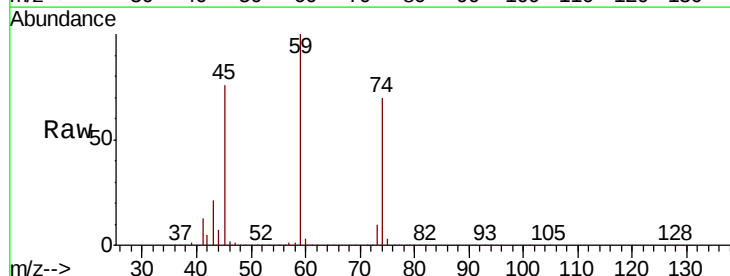
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 10/26/2018 11:53:19 AM



#8

Diethyl Ether
 Concen: 137.523 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX005537.D
 Acq: 24 Oct 2018 12:52

Tgt Ion	Ratio	Lower	Upper
74	100		
45	111.9	54.1	162.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 130.239 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.01 min

Lab File: VX005537.D

Acq: 24 Oct 2018 12:52

Instrument :

MSVOA_X

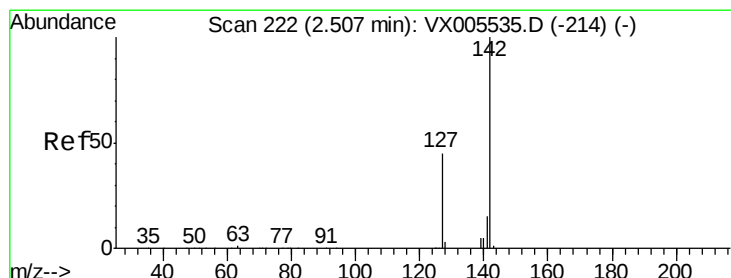
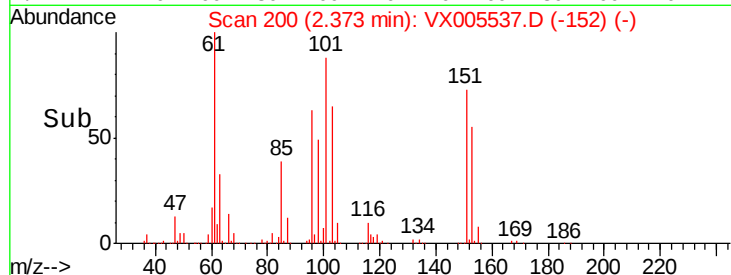
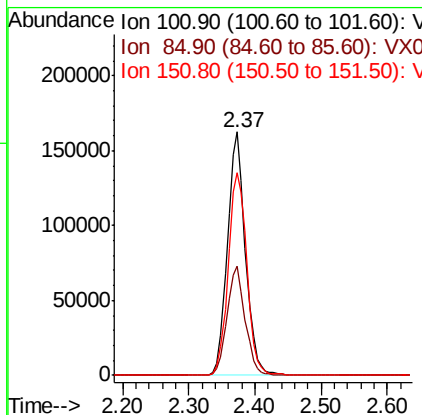
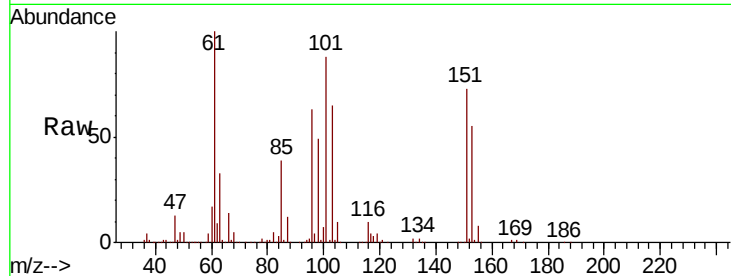
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	306653
Ion Ratio	Lower	Upper	
101	100		
85	45.2	35.0	52.4
151	86.1	66.2	99.2

Manual Integrations
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10/26/2018 11:53:19 AM



#10

Methyl Iodide

Concen: 170.848 ug/l

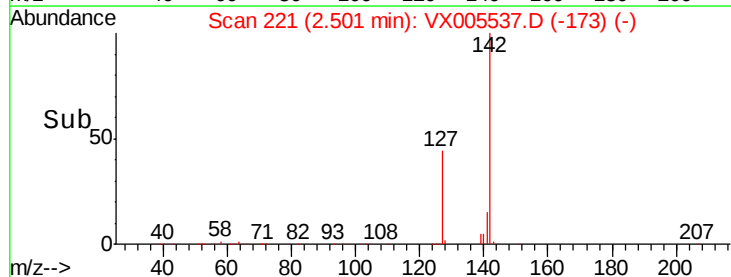
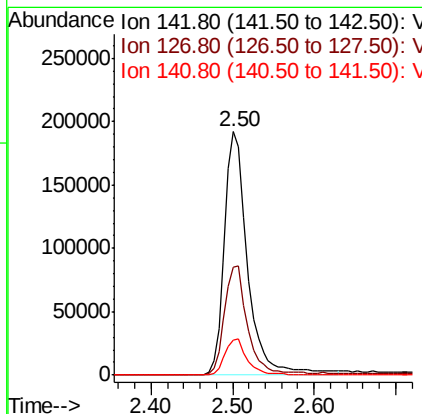
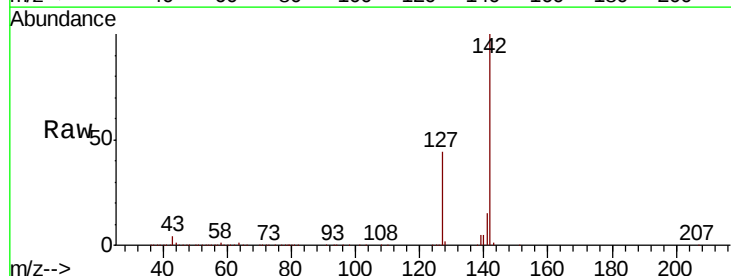
RT: 2.50 min Scan# 221

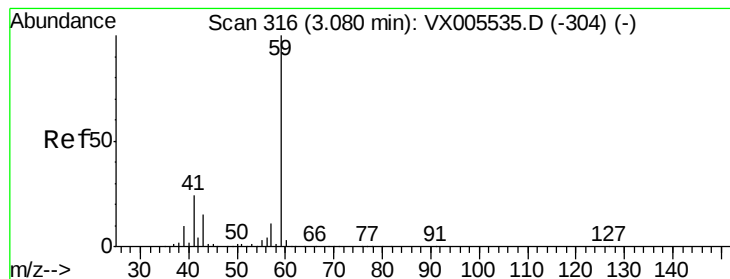
Delta R.T. -0.01 min

Lab File: VX005537.D

Acq: 24 Oct 2018 12:52

Tgt Ion:	142	Resp:	380096
Ion Ratio	Lower	Upper	
142	100		
127	44.6	36.0	54.0
141	14.4	11.7	17.5





#11

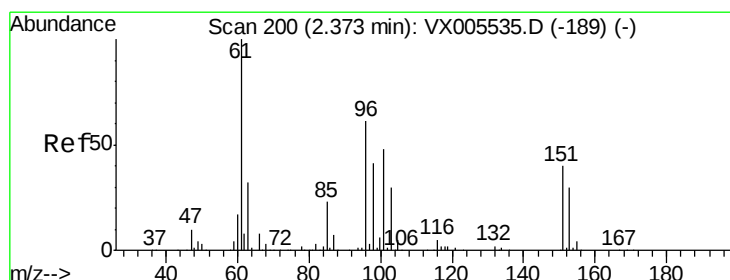
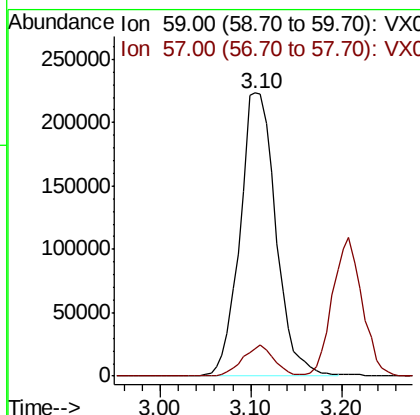
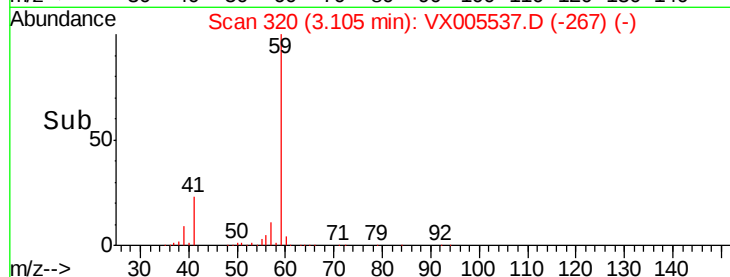
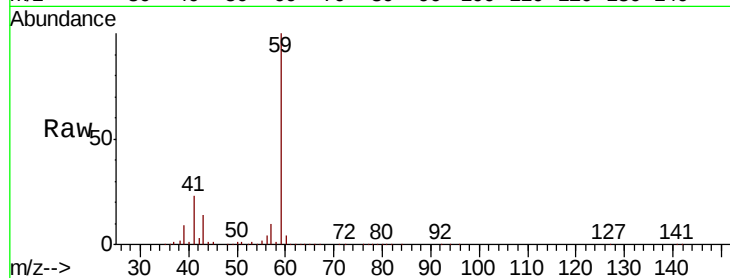
Tert butyl alcohol
Concen: 779.579 ug/l
RT: 3.10 min Scan# 320
Delta R.T. 0.02 min
Lab File: VX005537.D
Acq: 24 Oct 2018 12:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.5	12.7

Manual Integrations
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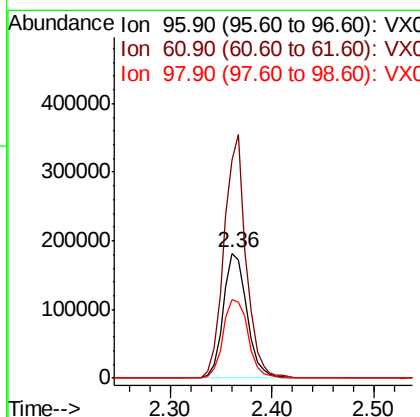
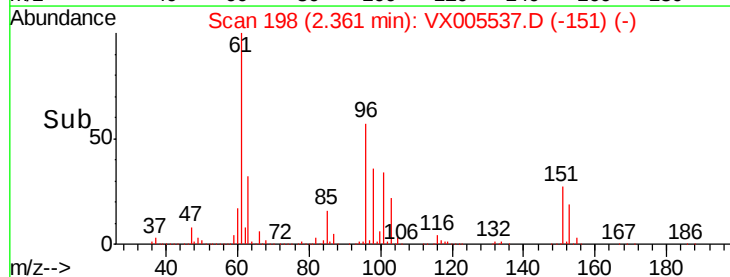
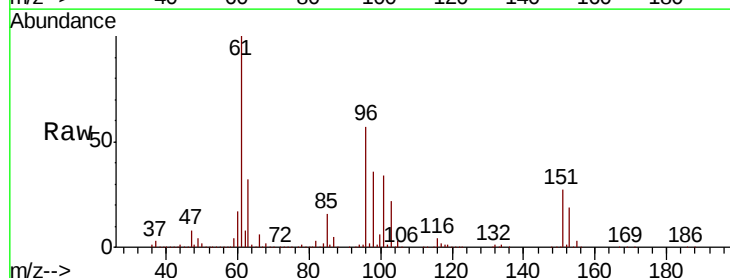
MMDadoda
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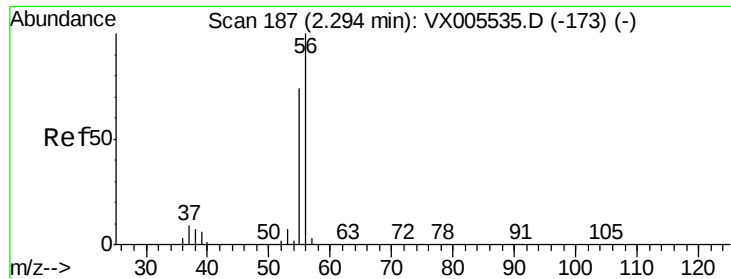


#12

1,1-Dichloroethene
Concen: 130.277 ug/l
RT: 2.36 min Scan# 198
Delta R.T. -0.01 min
Lab File: VX005537.D
Acq: 24 Oct 2018 12:52

Tgt Ion	Ratio	Lower	Upper
96	100		
61	174.6	131.8	197.8
98	62.8	53.4	80.2





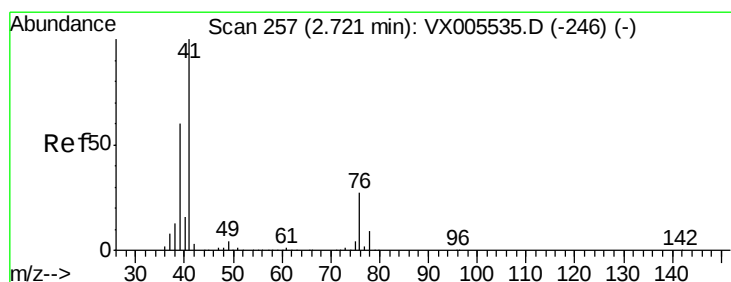
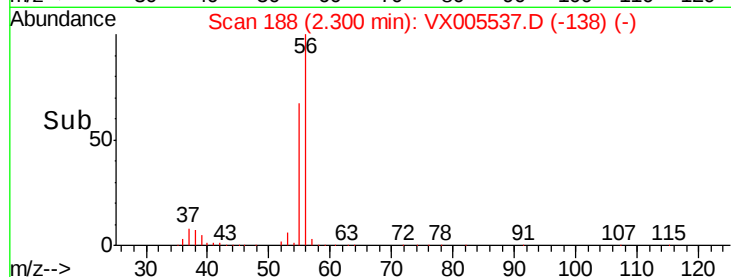
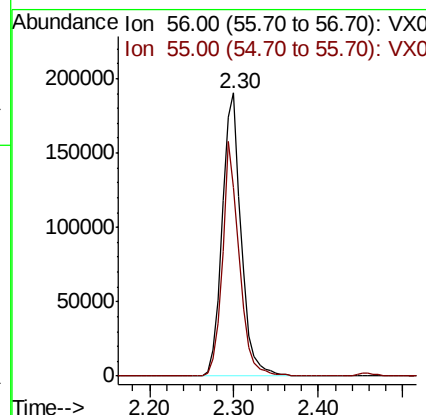
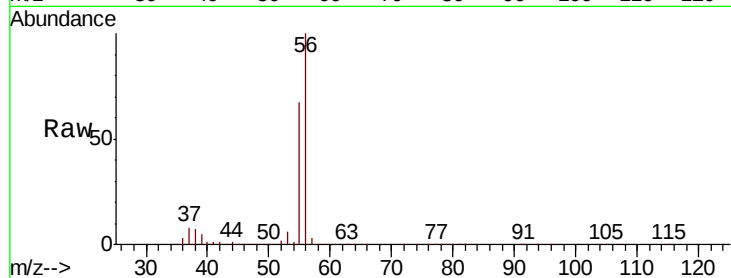
#13
Acrolein
Concen: 735.659 ug/l
RT: 2.30 min Scan# 188
Delta R.T. 0.01 min
Lab File: VX005537.D
Acq: 24 Oct 2018 12:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
56	100		
55	72.9	57.3	85.9

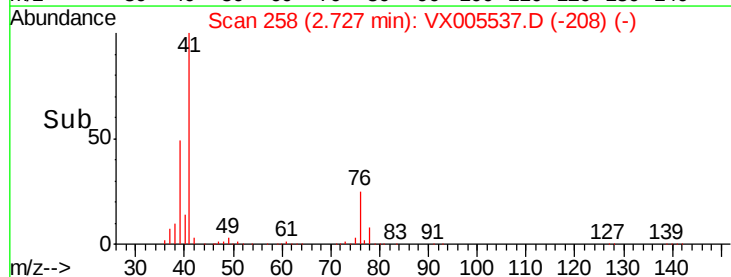
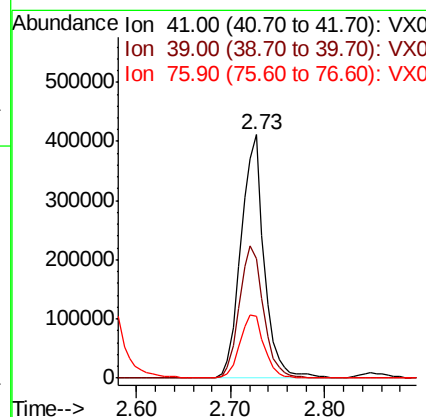
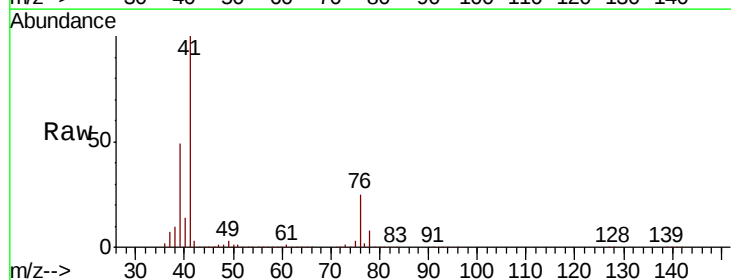
Manual Integrations
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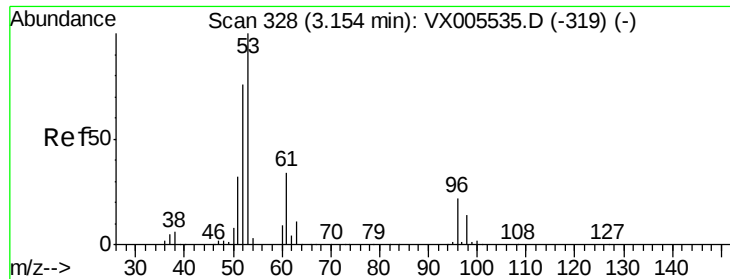
MMDadoda
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#14
Allyl chloride
Concen: 139.706 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.01 min
Lab File: VX005537.D
Acq: 24 Oct 2018 12:52

Tgt Ion	Ratio	Lower	Upper
41	100		
39	56.7	48.2	72.4
76	27.4	21.9	32.9





#15
 Acrylonitrile
 Concen: 689.348 ug/l
 RT: 3.15 min Scan# 327
 Delta R.T. -0.01 min
 Lab File: VX005537.D
 Acq: 24 Oct 2018 12:52

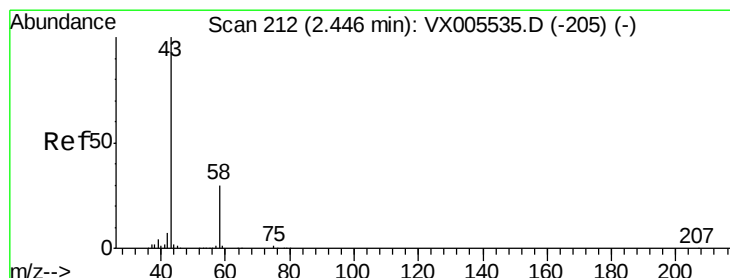
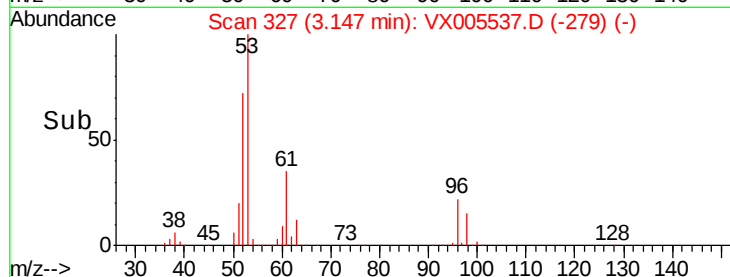
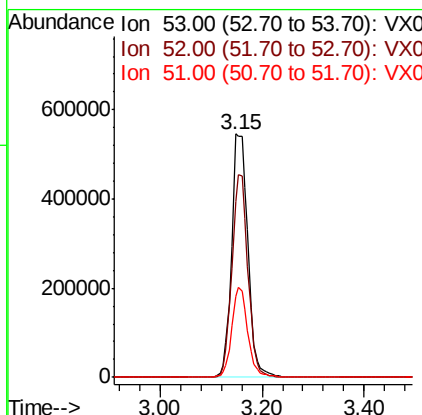
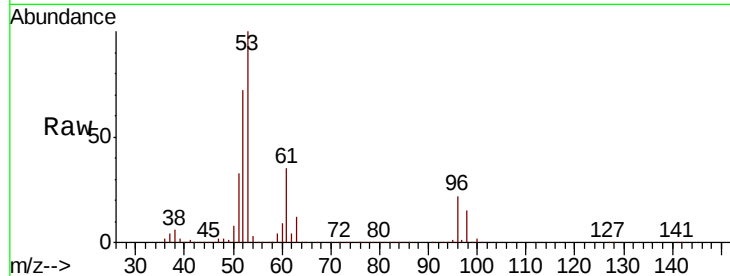
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion: 53 Resp: 1213283

Ion	Ratio	Lower	Upper
53	100		
52	81.7	66.6	99.8
51	36.3	28.4	42.6

Manual Integrations
 APPROVED

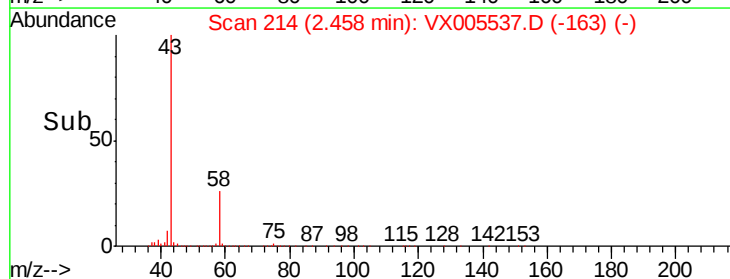
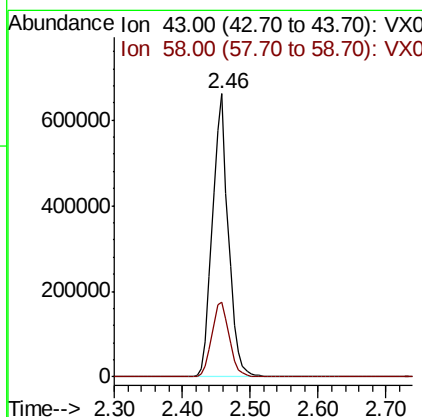
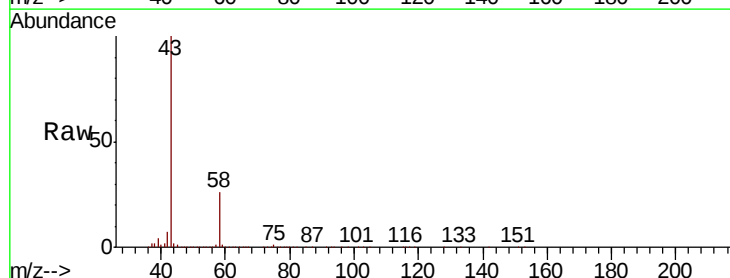
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 10/26/2018 11:53:19 AM

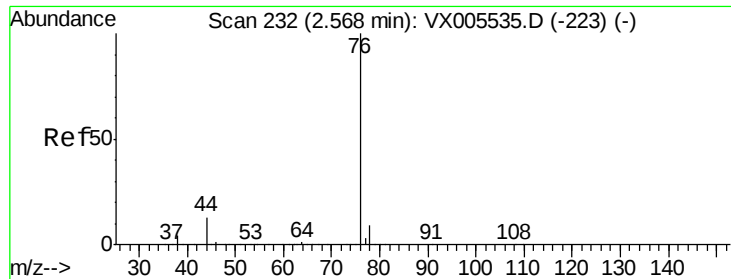


#16
 Acetone
 Concen: 696.261 ug/l
 RT: 2.46 min Scan# 214
 Delta R.T. 0.01 min
 Lab File: VX005537.D
 Acq: 24 Oct 2018 12:52

Tgt Ion: 43 Resp: 1073130

Ion	Ratio	Lower	Upper
43	100		
58	26.5	23.8	35.6





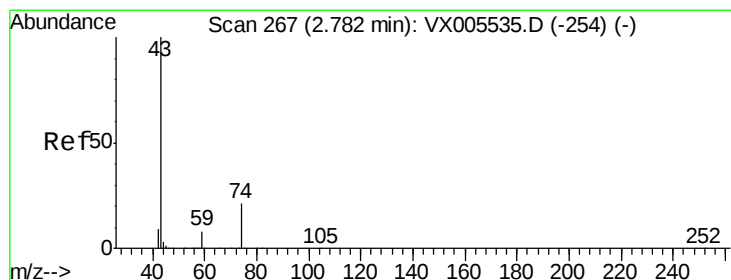
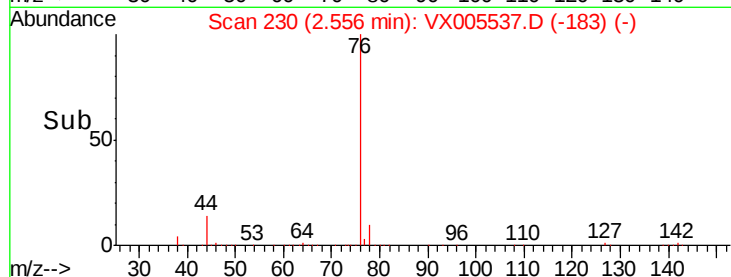
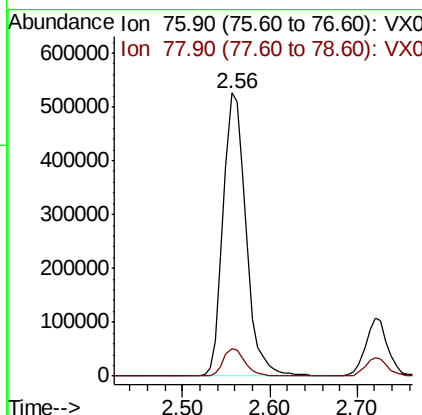
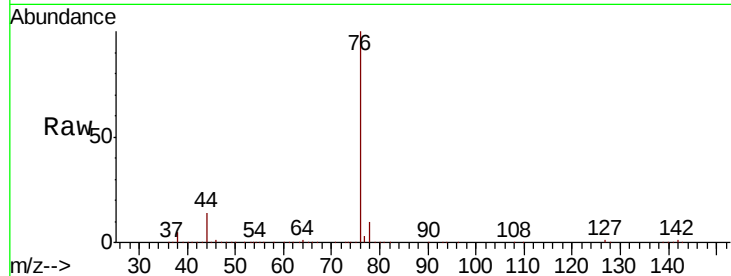
#17
Carbon Disulfide
Concen: 140.106 ug/l
RT: 2.56 min Scan# 230
Delta R.T. -0.01 min
Lab File: VX005537.D
Acq: 24 Oct 2018 12:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.3	10.9

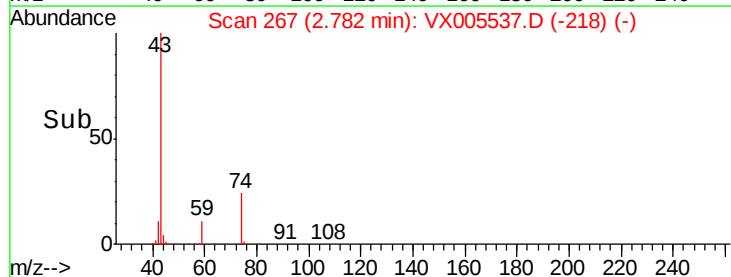
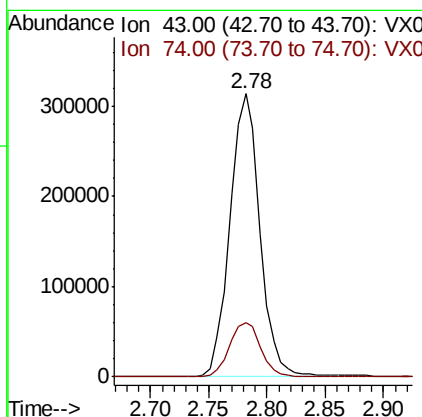
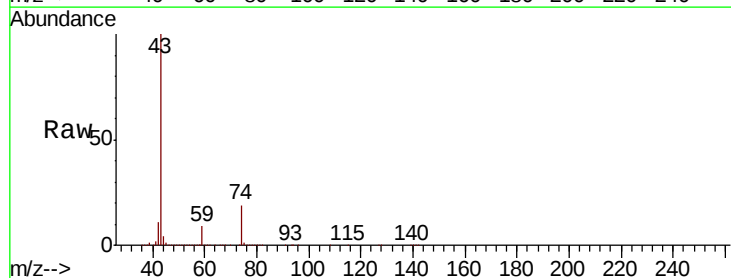
Manual Integrations
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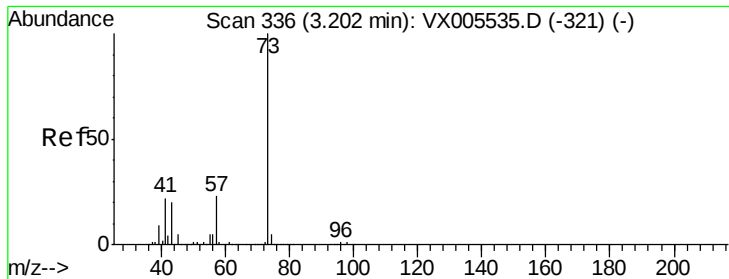
MMDadoda
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#18
Methyl Acetate
Concen: 130.034 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX005537.D
Acq: 24 Oct 2018 12:52

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.3	16.8	25.2





#19

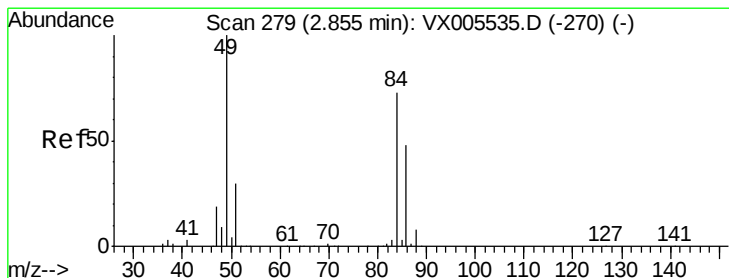
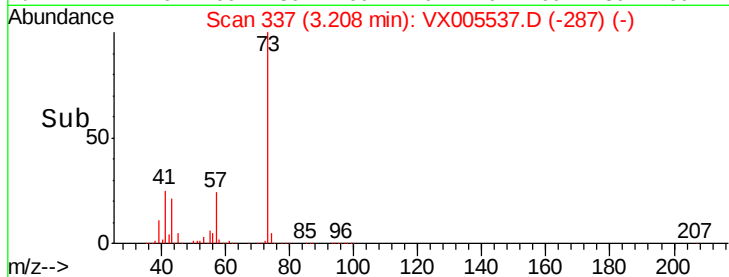
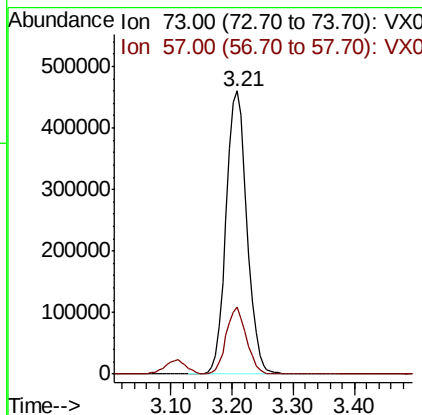
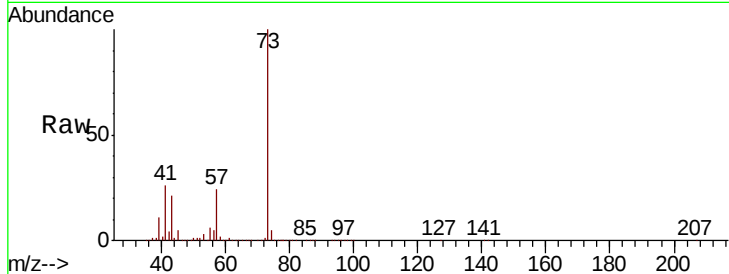
Methyl tert-butyl Ether
 Concen: 135.157 ug/l
 RT: 3.21 min Scan# 337
 Delta R.T. 0.01 min
 Lab File: VX005537.D
 Acq: 24 Oct 2018 12:52

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC150

Tot Ion: 73 Resp: 1081392
 Ion Ratio Lower Upper
 73 100
 57 23.8 18.8 28.2

Manual Integrations
 APPROVED

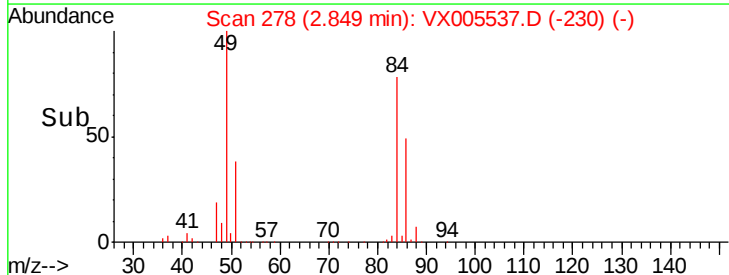
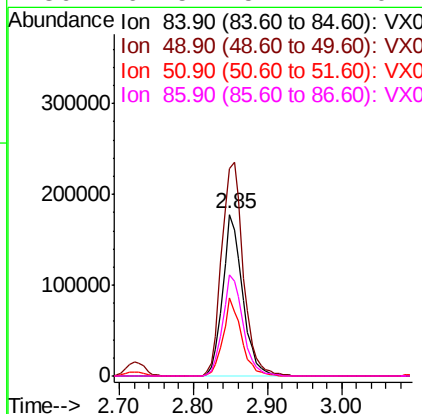
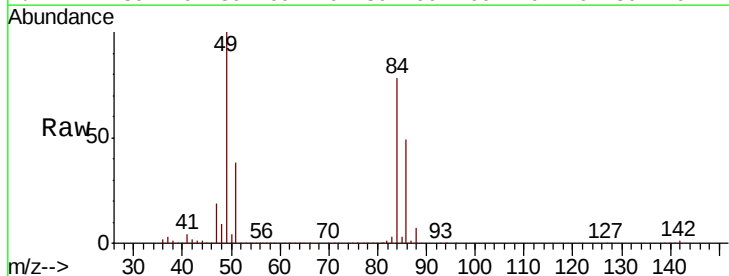
MMDadoda
 10/26/2018 11:53:19 AM

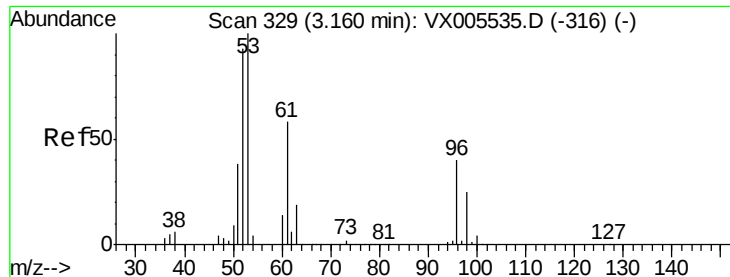


#20

Methylene Chloride
 Concen: 128.640 ug/l
 RT: 2.85 min Scan# 278
 Delta R.T. -0.01 min
 Lab File: VX005537.D
 Acq: 24 Oct 2018 12:52

Tgt Ion: 84 Resp: 332068
 Ion Ratio Lower Upper
 84 100
 49 128.6 109.5 164.3
 51 48.3 33.3 49.9
 86 62.5 52.7 79.1





#21

trans-1,2-Dichloroethene

Concen: 131.322 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX005537.D

Acq: 24 Oct 2018 12:52

Instrument :

MSVOA_X

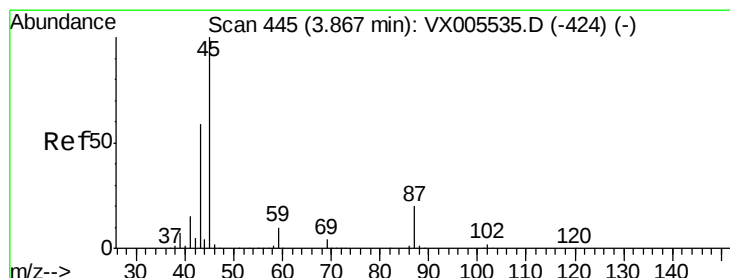
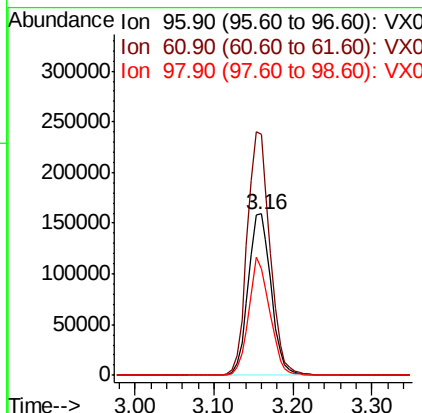
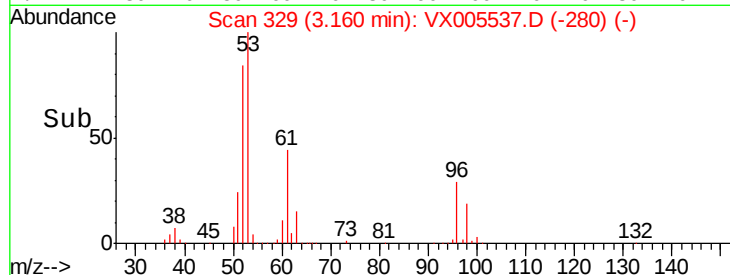
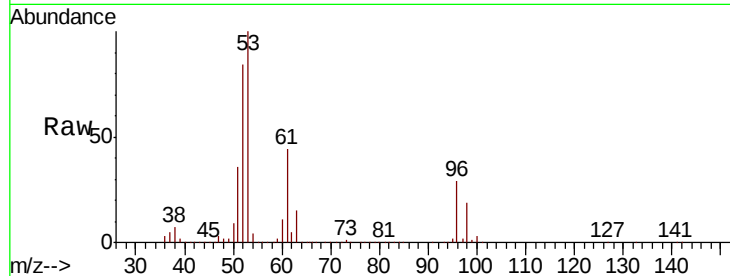
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	321608
Ion	Ratio	Lower	Upper
96	100		
61	149.6	115.6	173.4
98	66.0	50.2	75.2

Manual Integrations
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#22

Diisopropyl ether

Concen: 142.740 ug/l

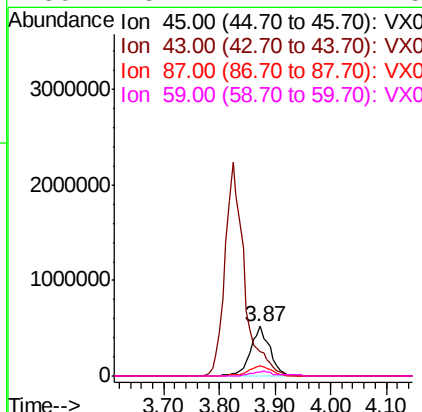
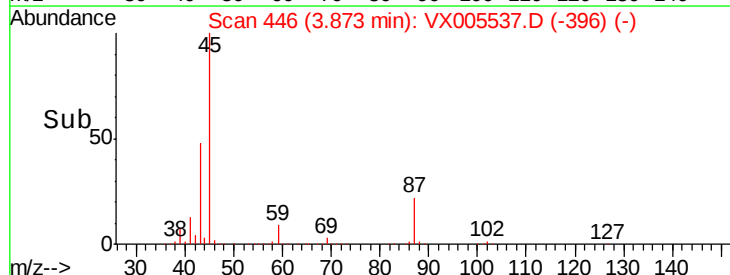
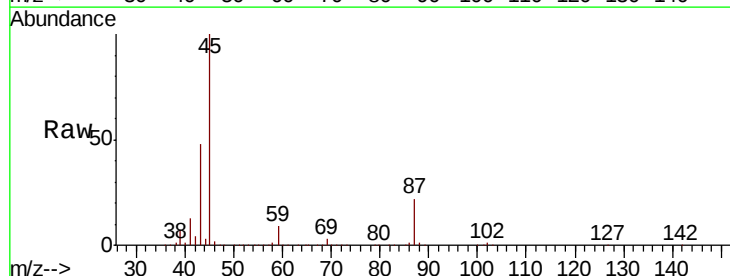
RT: 3.87 min Scan# 446

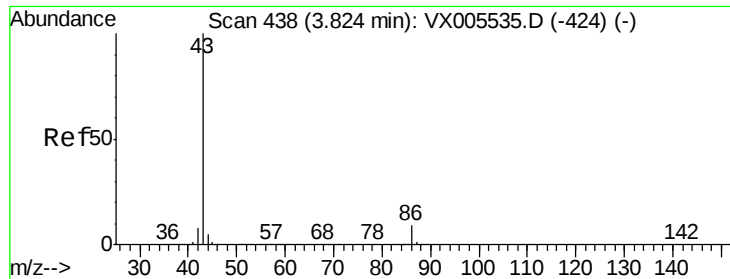
Delta R.T. 0.01 min

Lab File: VX005537.D

Acq: 24 Oct 2018 12:52

Tgt Ion:	45	Resp:	1247801
Ion	Ratio	Lower	Upper
45	100		
43	47.9	47.4	71.2
87	21.6	15.9	23.9
59	8.7	7.7	11.5





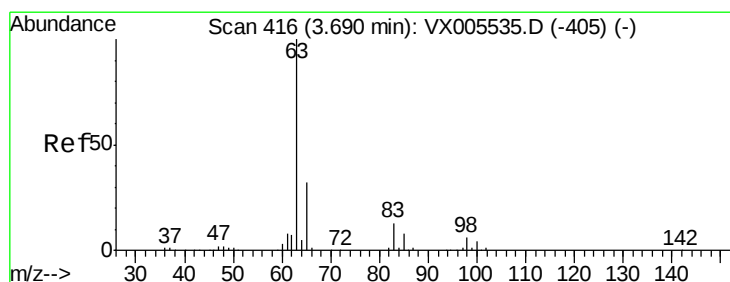
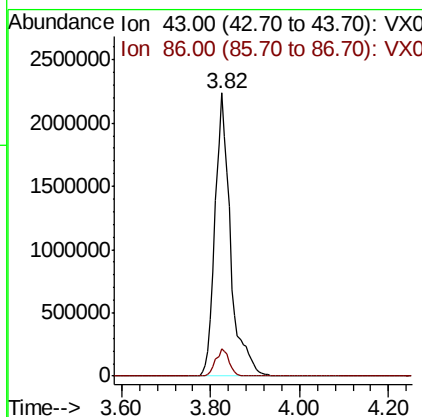
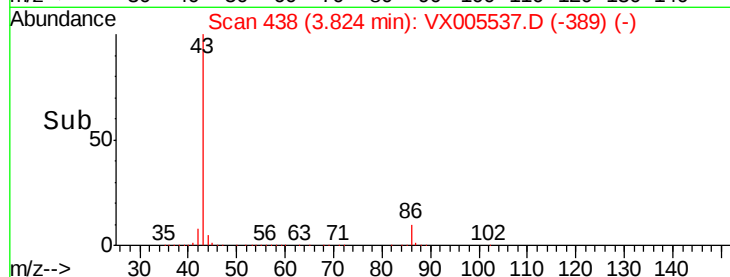
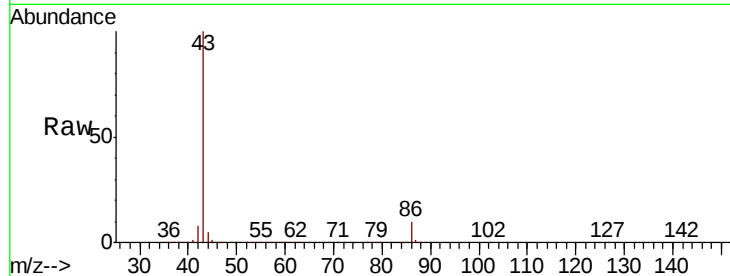
#23
 Vinyl Acetate
 Concen: 700.853 ug/l
 RT: 3.82 min Scan# 438
 Delta R.T. -0.00 min
 Lab File: VX005537.D
 Acq: 24 Oct 2018 12:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion: 43 Resp: 5395808
 Ion Ratio Lower Upper
 43 100
 86 9.7 7.4 11.2

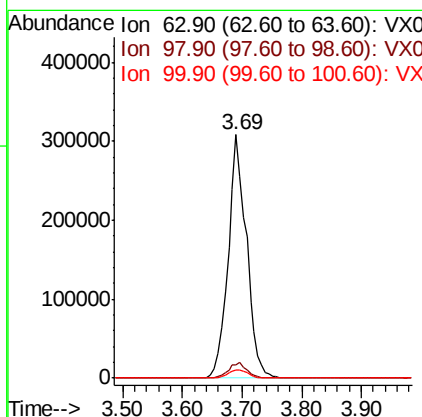
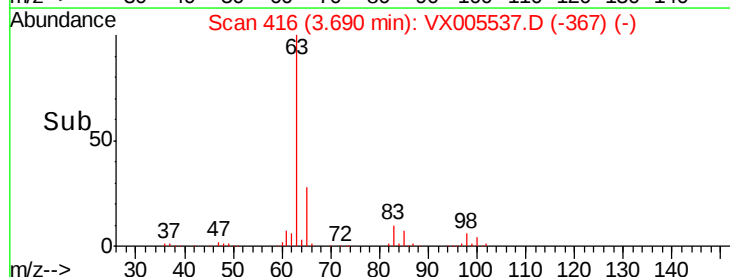
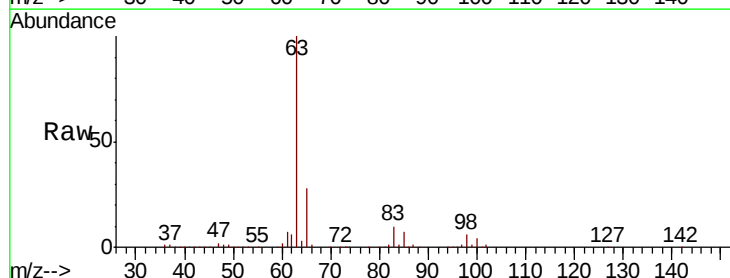
Manual Integrations
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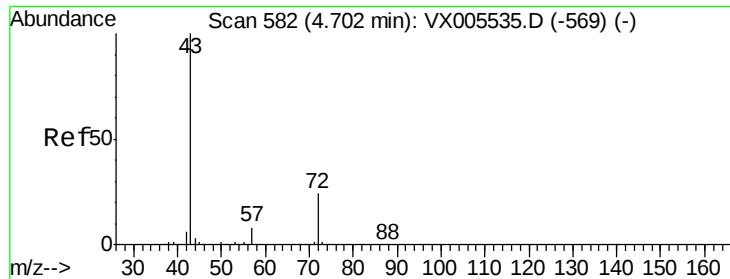
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#24
 1,1-Dichloroethane
 Concen: 138.190 ug/l
 RT: 3.69 min Scan# 416
 Delta R.T. -0.00 min
 Lab File: VX005537.D
 Acq: 24 Oct 2018 12:52

Tgt Ion: 63 Resp: 656781
 Ion Ratio Lower Upper
 63 100
 98 5.6 3.2 9.6
 100 3.5 2.1 6.2





#25

2-Butanone

Concen: 738.122 ug/l

RT: 4.71 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX005537.D

Acq: 24 Oct 2018 12:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1732408

Ion Ratio Lower Upper

43 100

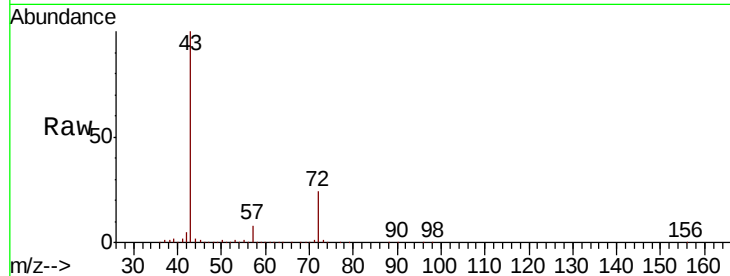
72 23.6 19.2 28.8

Manual Integrations

APPROVED

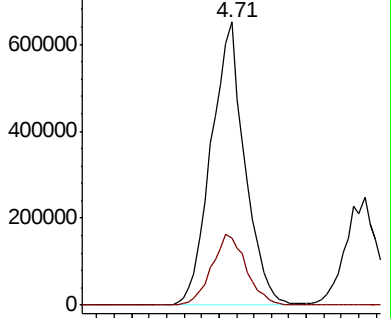
MMDadoda

10/26/2018 11:53:19 AM

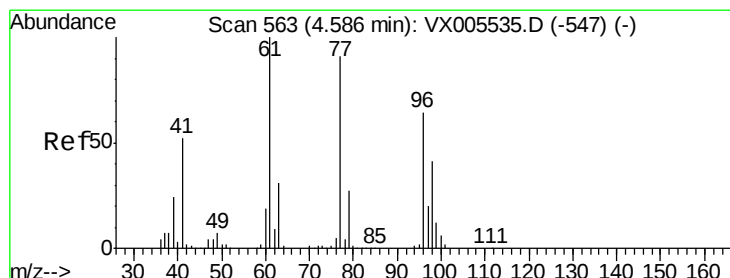
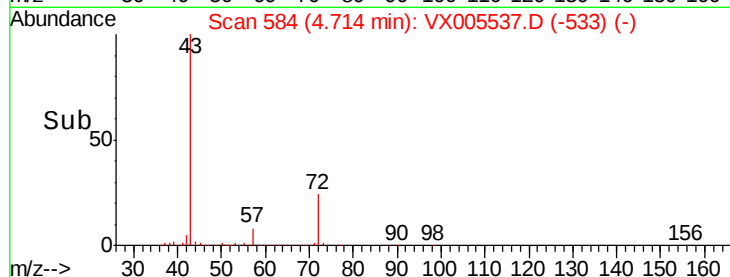


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



Time-->



#26

2,2-Dichloropropane

Concen: 134.706 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX005537.D

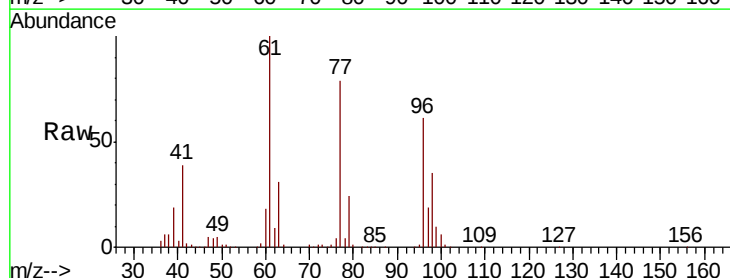
Acq: 24 Oct 2018 12:52

Tgt Ion: 77 Resp: 494277

Ion Ratio Lower Upper

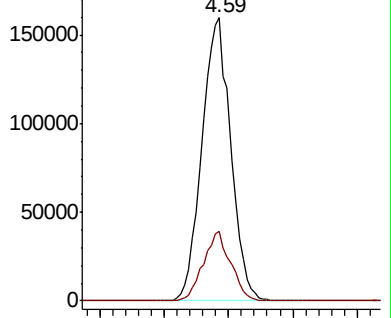
77 100

97 23.4 11.5 34.5

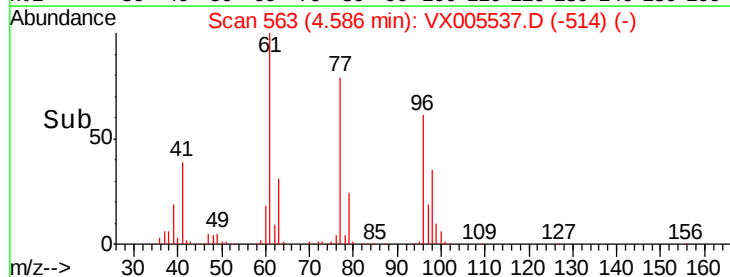


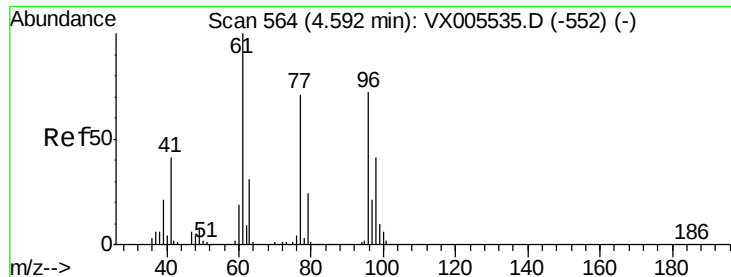
Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



Time-->





#27

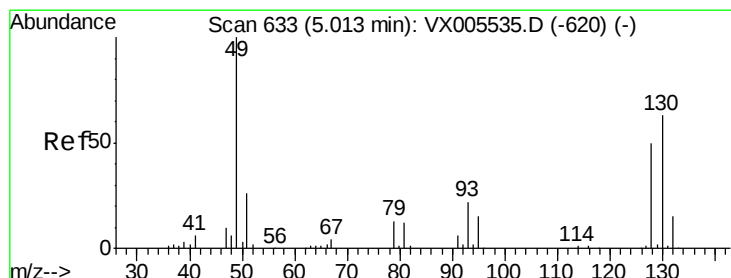
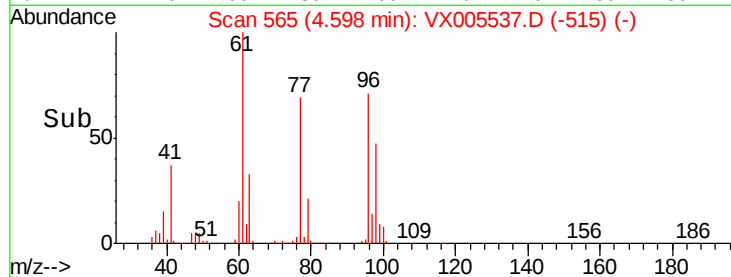
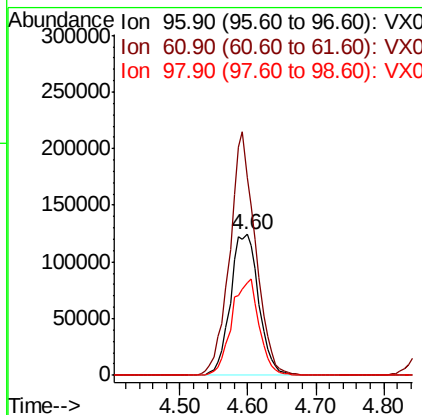
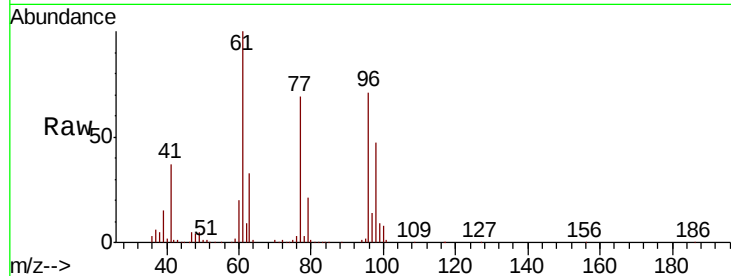
cis-1,2-Dichloroethene
Concen: 136.357 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX005537.D
Acq: 24 Oct 2018 12:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	156.4	0.0	304.6	
98	66.0	0.0	127.4	

Manual Integrations
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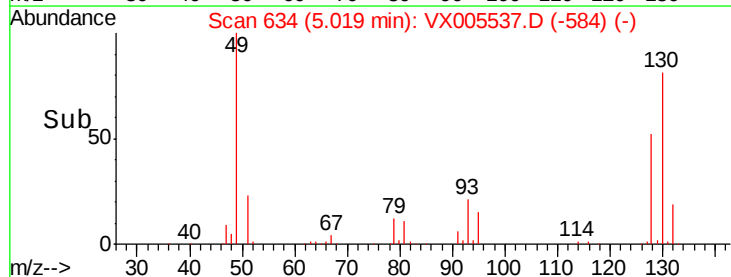
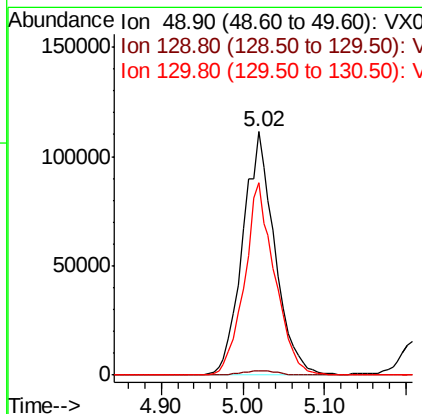
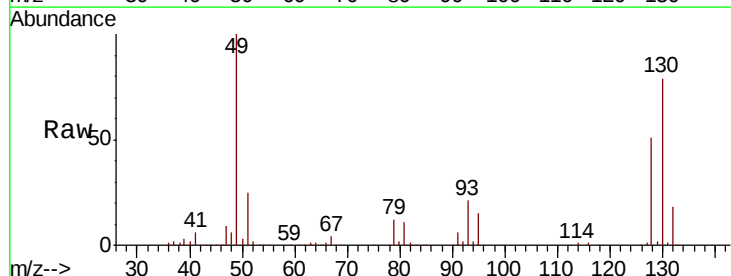
MMDadoda
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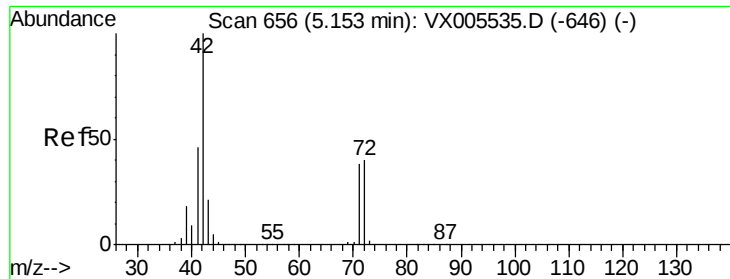


#28

Bromochloromethane
Concen: 131.858 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX005537.D
Acq: 24 Oct 2018 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.0	0.0	4.0	
130	74.6	58.9	88.3	





#29

Tetrahydrofuran

Concen: 767.714 ug/l

RT: 5.15 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX005537.D

Acq: 24 Oct 2018 12:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 42 Resp: 1172613

Ion Ratio Lower Upper

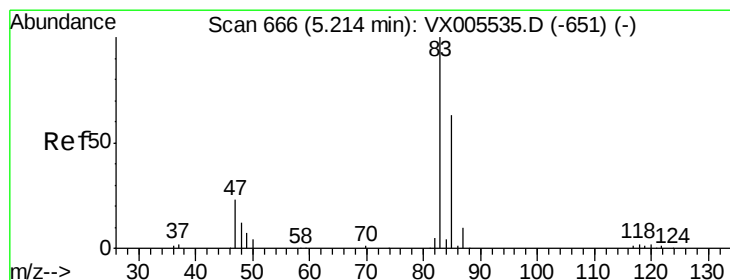
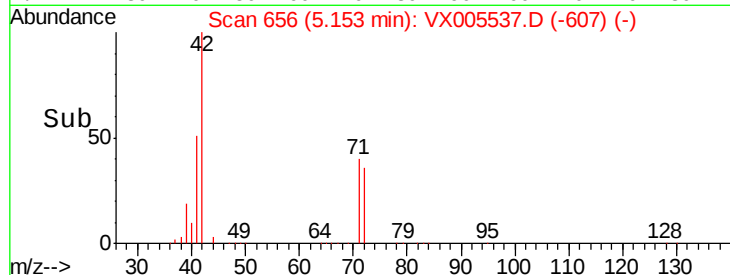
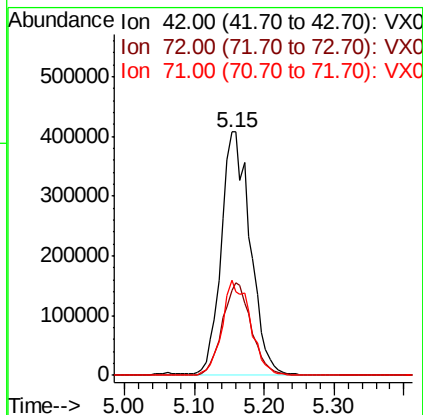
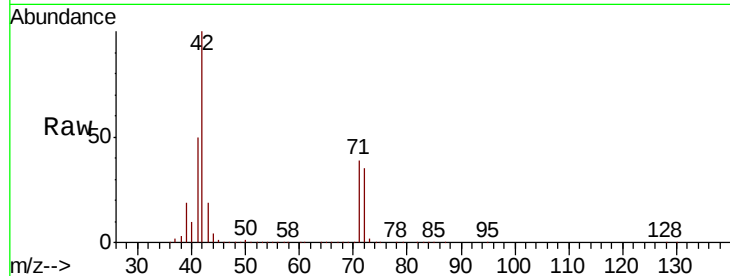
42 100

72 38.0 32.0 48.0

71 38.0 29.8 44.8

Manual Integrations
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#30

Chloroform

Concen: 138.017 ug/l

RT: 5.23 min Scan# 668

Delta R.T. 0.01 min

Lab File: VX005537.D

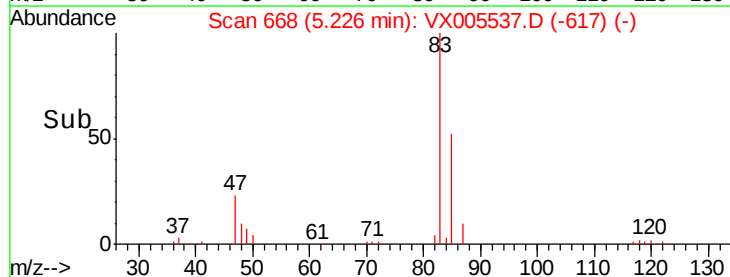
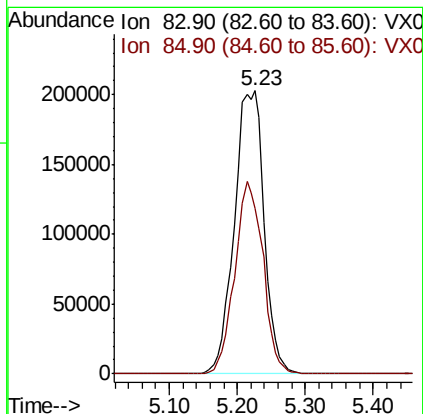
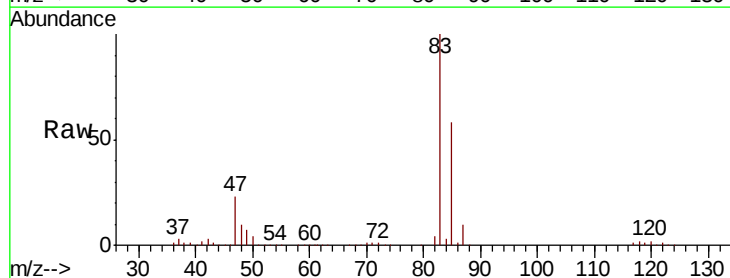
Acq: 24 Oct 2018 12:52

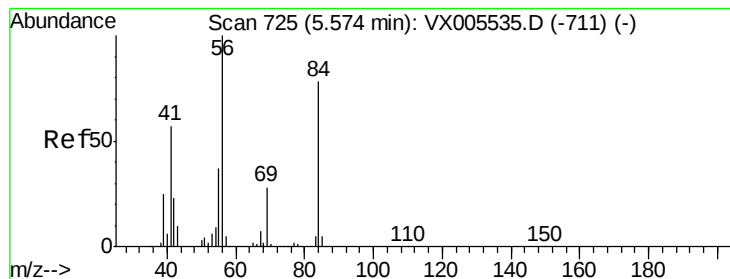
Tgt Ion: 83 Resp: 613582

Ion Ratio Lower Upper

83 100

85 58.4 50.6 76.0





#31

Cyclohexane

Concen: 147.126 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX005537.D

Acq: 24 Oct 2018 12:52

Instrument :

MSVOA_X

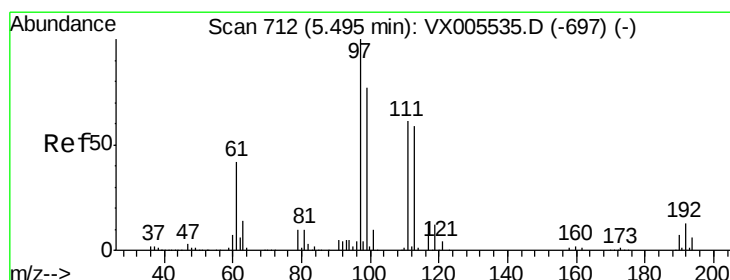
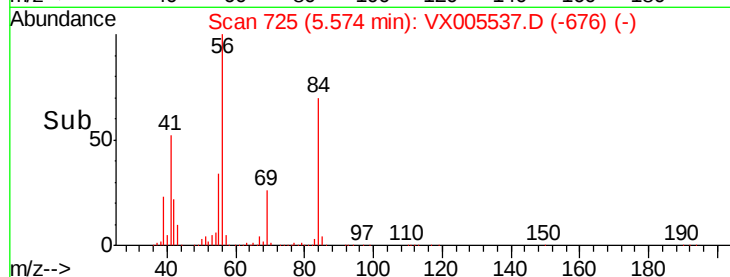
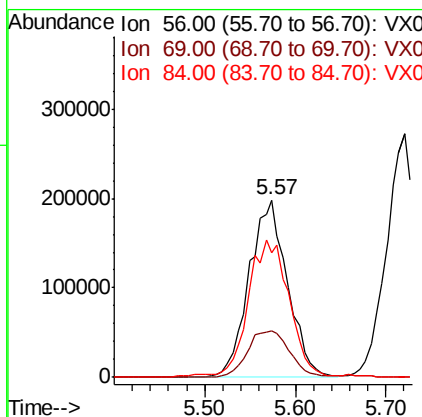
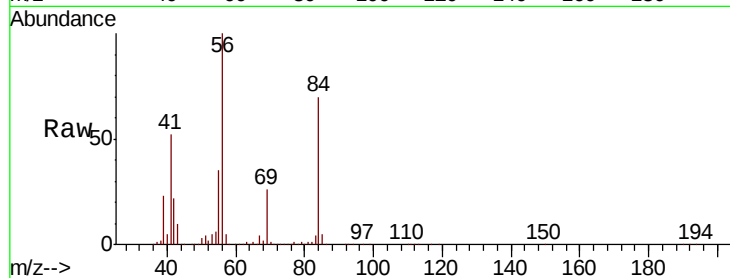
ClientSampleId :

VSTDIC150

Tot Ion:	56	Resp:	578552
Ion	Ratio	Lower	Upper
56	100		
69	26.1	22.6	34.0
84	69.1	62.7	94.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 141.651 ug/l

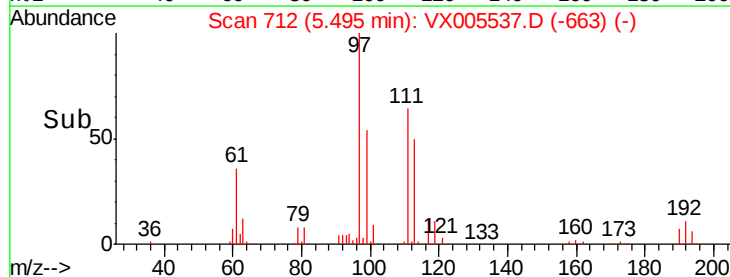
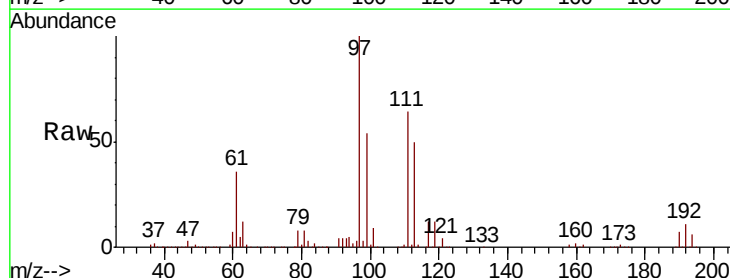
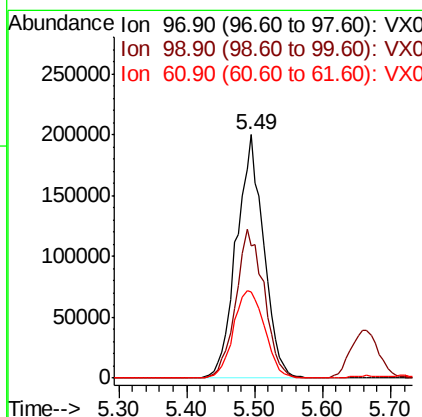
RT: 5.49 min Scan# 712

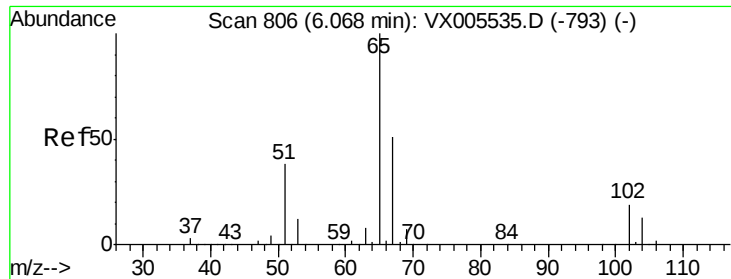
Delta R.T. -0.00 min

Lab File: VX005537.D

Acq: 24 Oct 2018 12:52

Tgt Ion:	97	Resp:	555813
Ion	Ratio	Lower	Upper
97	100		
99	63.3	52.3	78.5
61	41.5	35.2	52.8





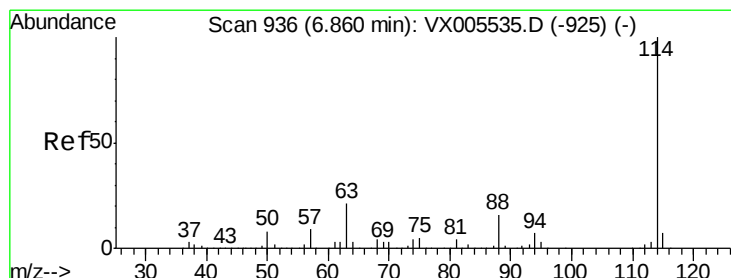
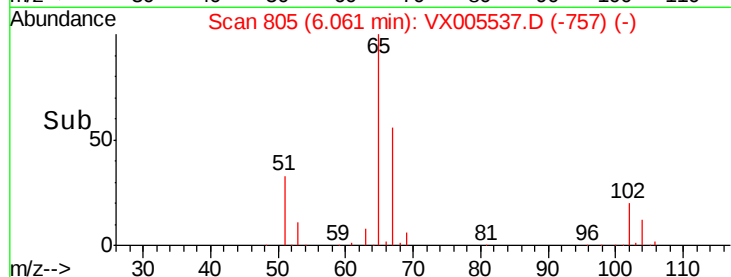
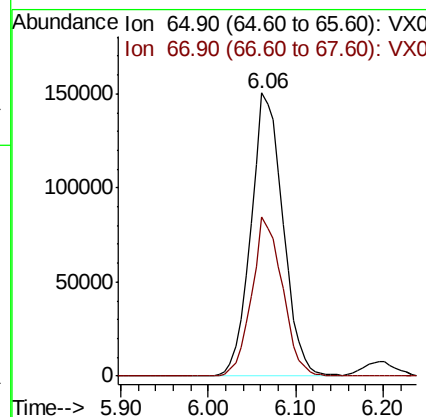
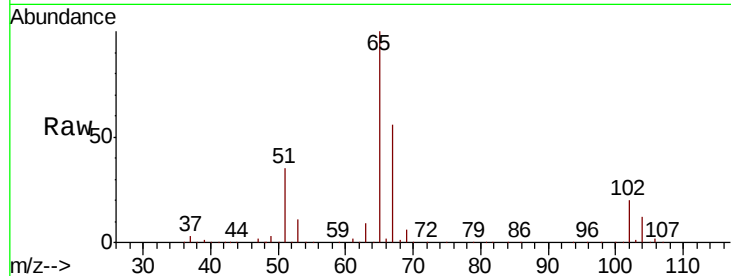
#33
 1,2-Dichloroethane-d4
 Concen: 131.138 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX005537.D
 Acq: 24 Oct 2018 12:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
65	100	382502		
67	53.8	0.0	105.0	

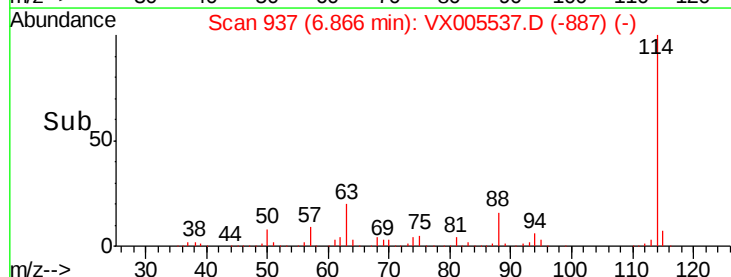
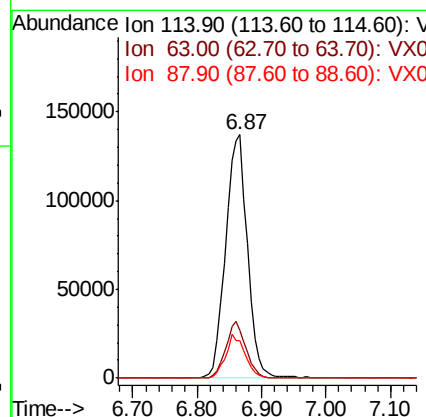
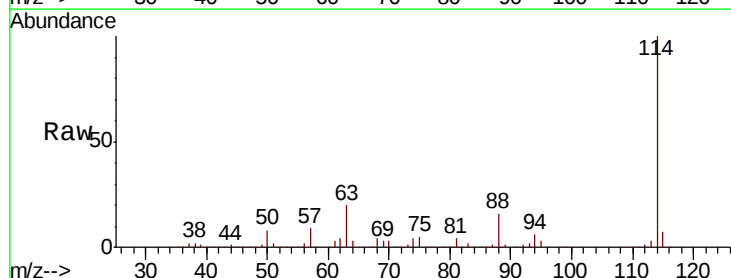
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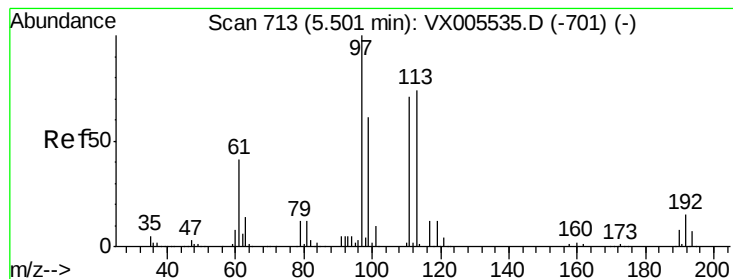
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VX005537.D
 Acq: 24 Oct 2018 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	328978		
63	19.8	0.0	42.8	
88	15.5	0.0	31.2	





#35

Dibromofluoromethane

Concen: 145.908 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX005537.D

Acq: 24 Oct 2018 12:52

Instrument :

MSVOA_X

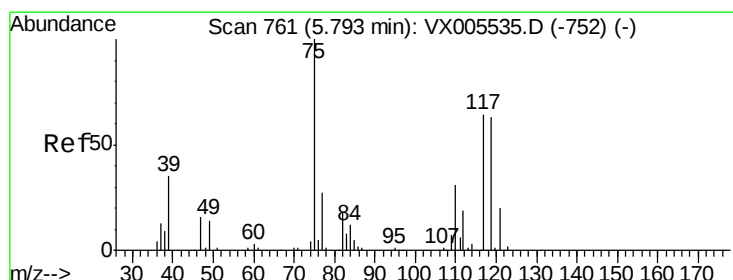
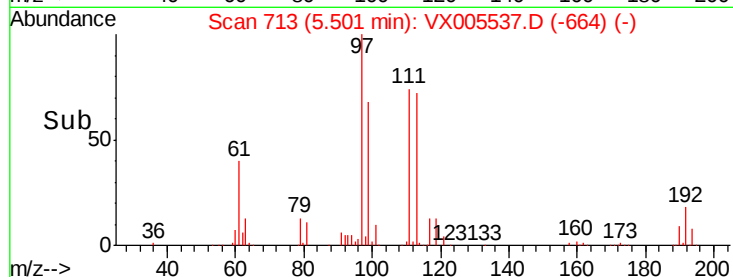
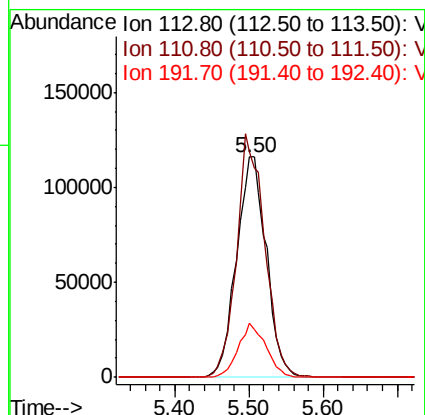
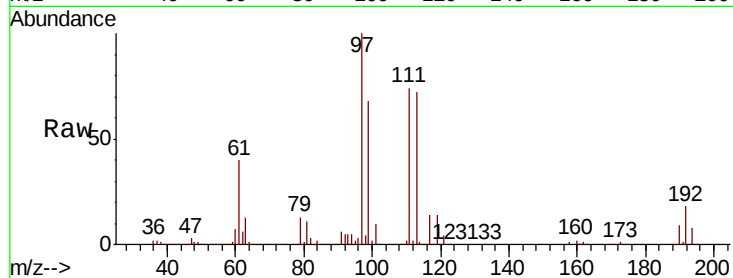
ClientSampleId :

VSTDIC150

Tot Ion:	113	Resp:	325020
Ion	Ratio	Lower	Upper
113	100		
111	104.0	82.3	123.5
192	22.9	17.9	26.9

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 145.144 ug/l

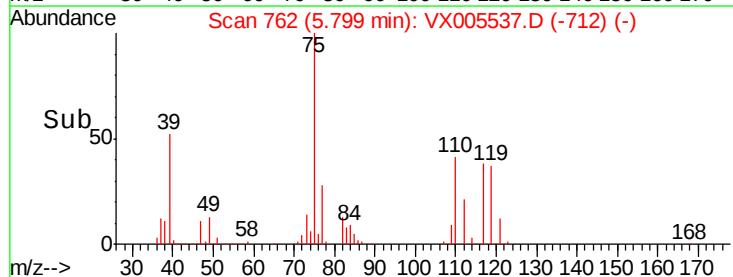
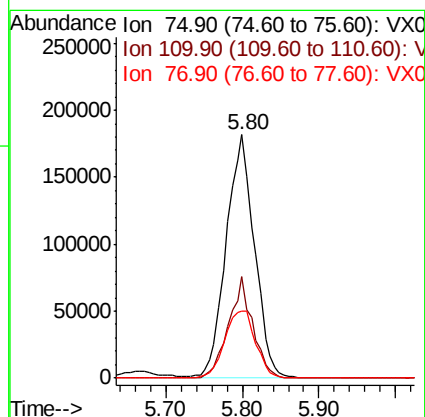
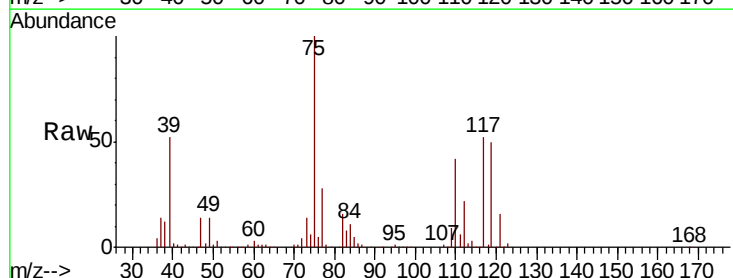
RT: 5.80 min Scan# 762

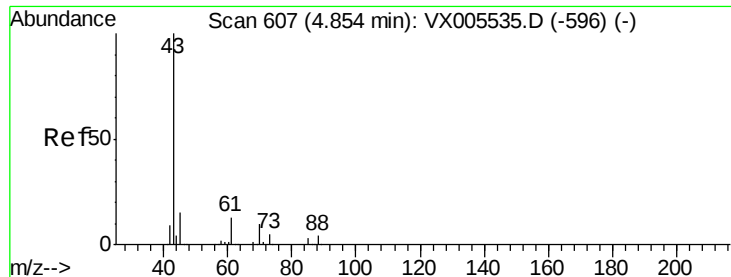
Delta R.T. 0.01 min

Lab File: VX005537.D

Acq: 24 Oct 2018 12:52

Tgt Ion:	75	Resp:	463386
Ion	Ratio	Lower	Upper
75	100		
110	35.7	17.4	52.2
77	30.1	25.8	38.6





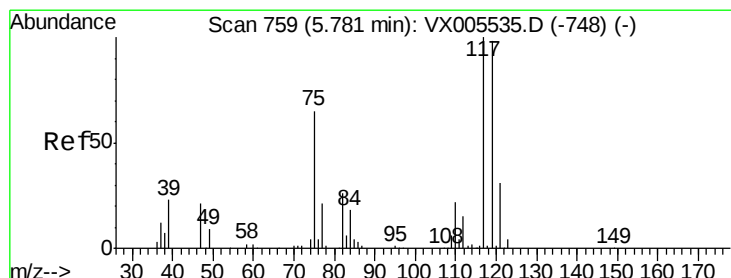
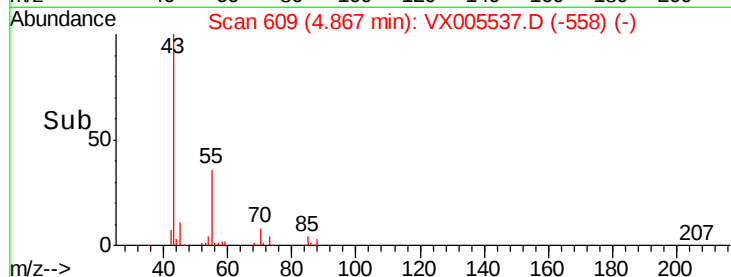
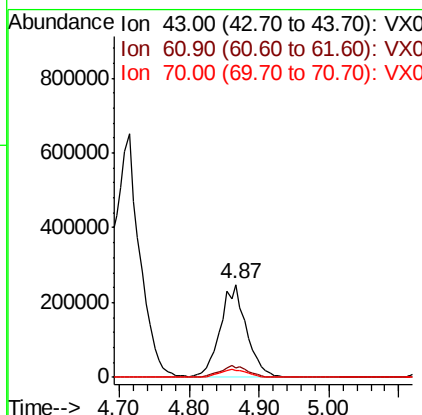
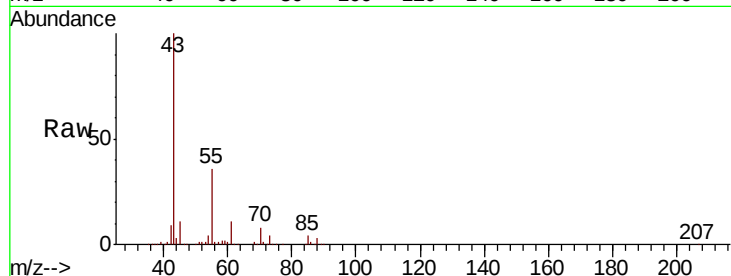
#37
Ethyl Acetate
Concen: 158.177 ug/l
RT: 4.87 min Scan# 609
Delta R.T. 0.01 min
Lab File: VX005537.D
Acq: 24 Oct 2018 12:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.9	10.8	16.2
70	9.5	7.8	11.8

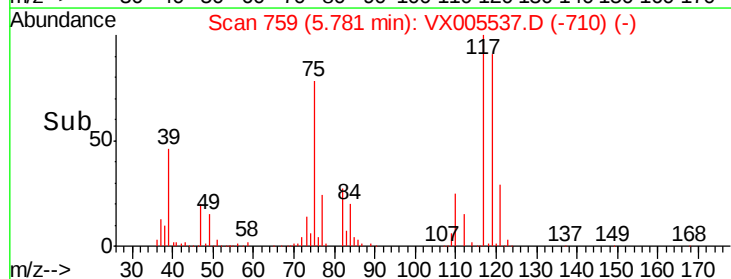
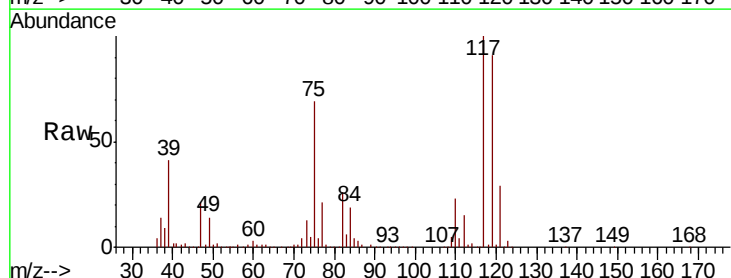
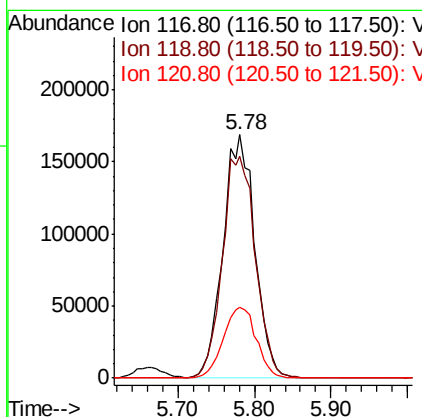
Manual Integrations
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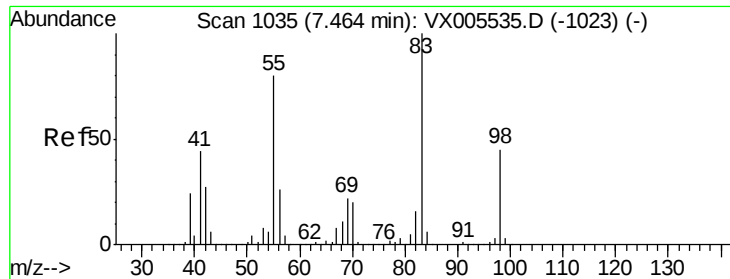
MMDadoda
10/26/2018 11:53:19 AM



#38
Carbon Tetrachloride
Concen: 143.741 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX005537.D
Acq: 24 Oct 2018 12:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.0	78.1	117.1
121	29.3	24.6	36.8





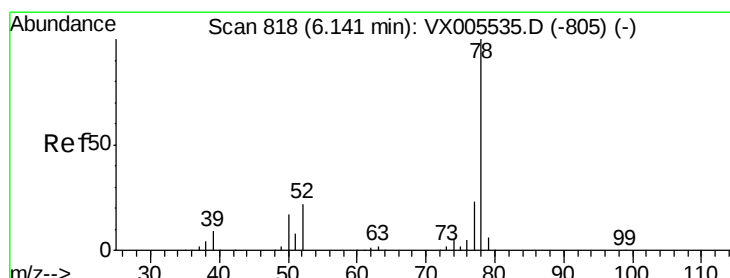
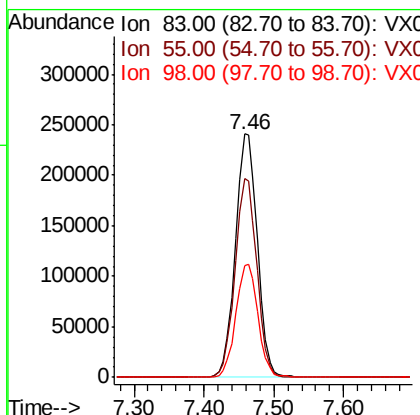
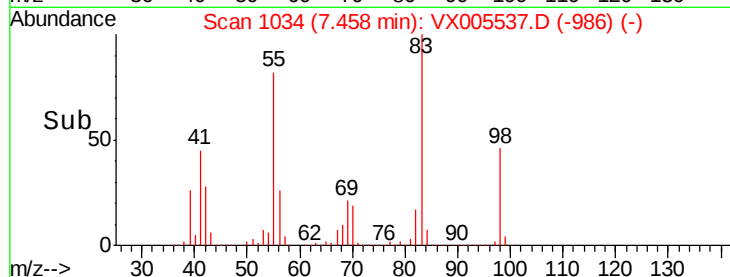
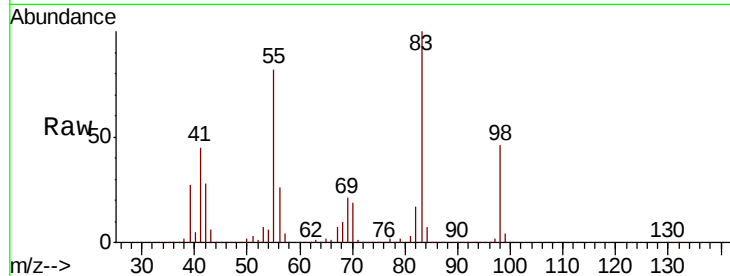
#39
Methvlcvclohexane
Concen: 148.657 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX005537.D
Acq: 24 Oct 2018 12:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.5	63.7	95.5
98	46.1	36.2	54.2

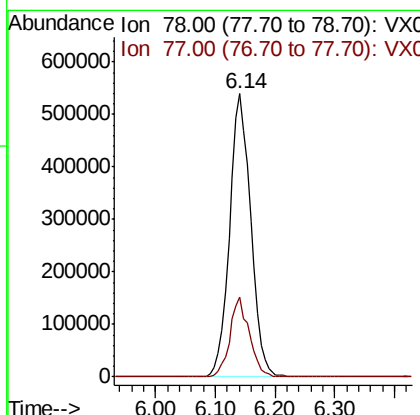
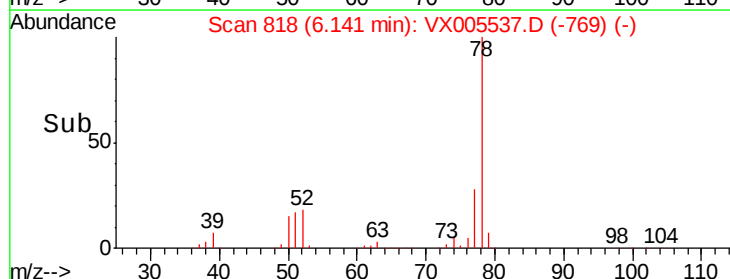
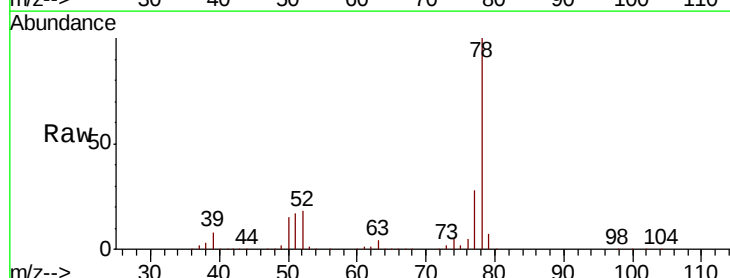
Manual Integrations
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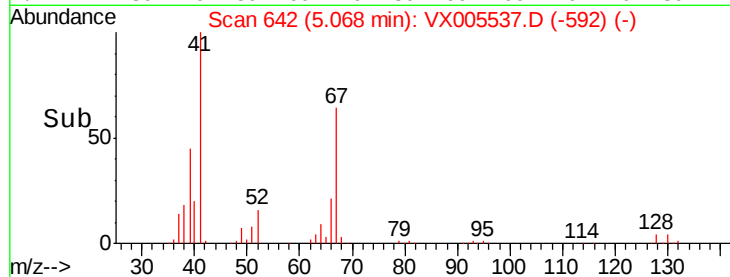
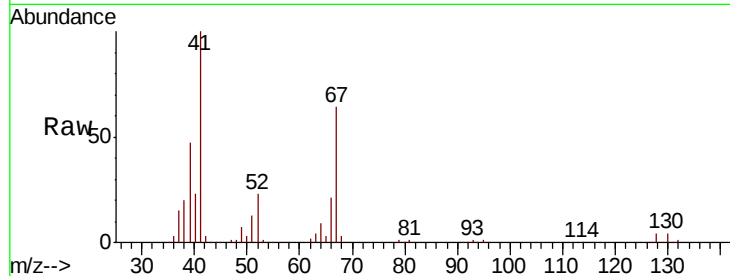
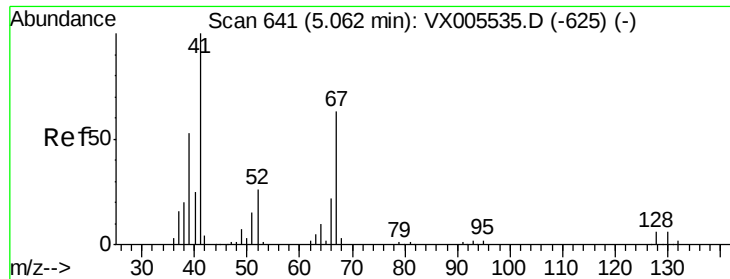
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#40
Benzene
Concen: 145.540 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX005537.D
Acq: 24 Oct 2018 12:52

Tgt Ion	Ratio	Lower	Upper
78	100		
77	28.2	18.4	27.6#





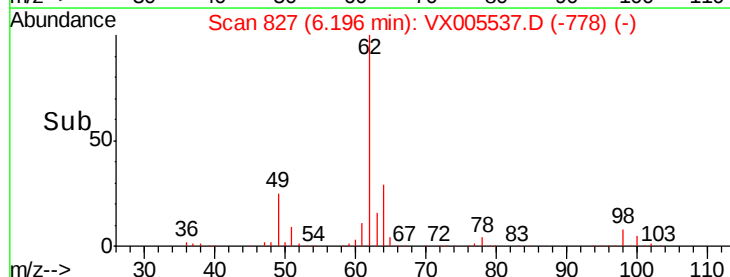
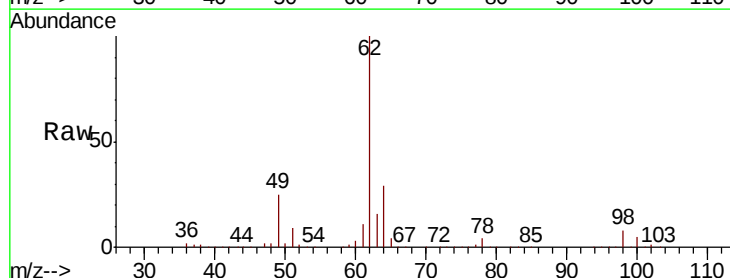
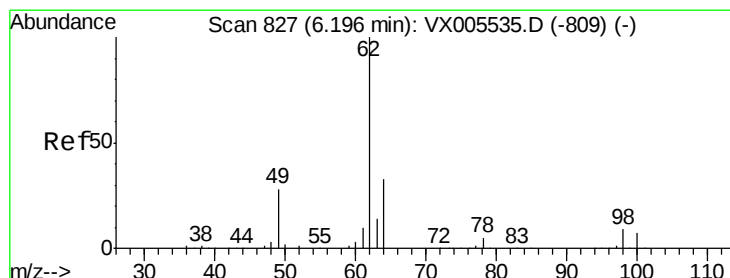
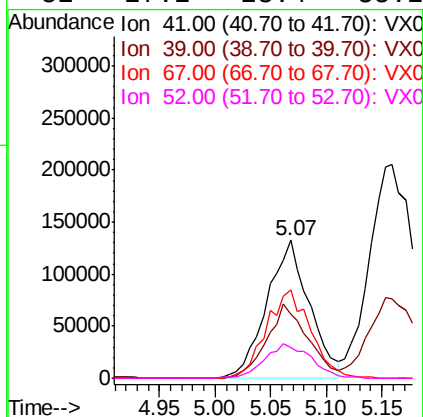
#41
Methacrylonitrile
Concen: 155.018 ug/l
RT: 5.07 min Scan# 642
Delta R.T. 0.01 min
Lab File: VX005537.D
Acq: 24 Oct 2018 12:52

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	41	100	351792		
39	39	51.6	42.2	63.2	
67	67	66.9	53.4	80.0	
52	52	27.2	23.4	35.2	

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

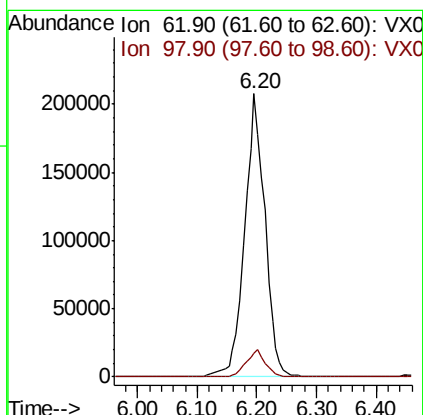
Manual Integrations
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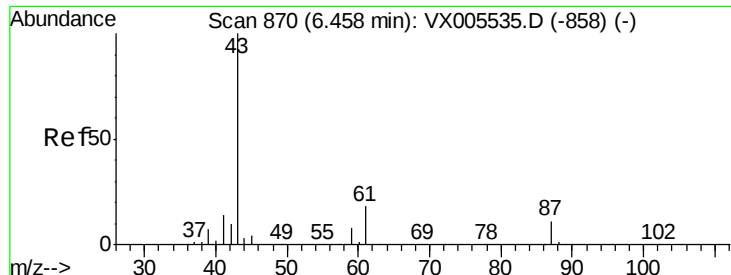
MMDadoda
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#42
1,2-Dichloroethane
Concen: 141.308 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX005537.D
Acq: 24 Oct 2018 12:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	62	100	491285		
98	98	9.1	0.0	17.8	





#43

Isopropyl Acetate

Concen: 164.473 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.00 min

Lab File: VX005537.D

Acq: 24 Oct 2018 12:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1004097

Ion Ratio Lower Upper

43 100

61 18.6 14.6 22.0

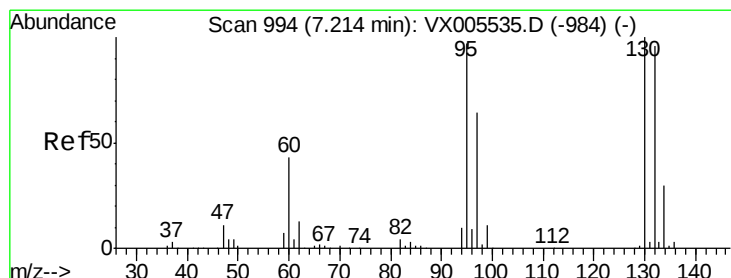
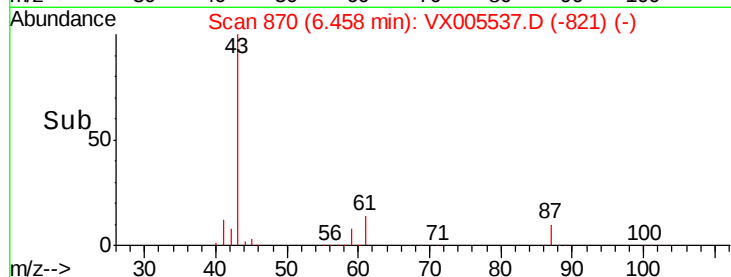
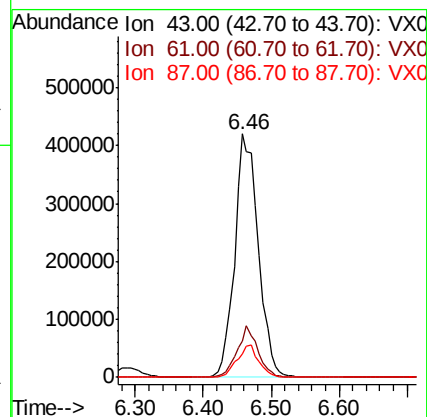
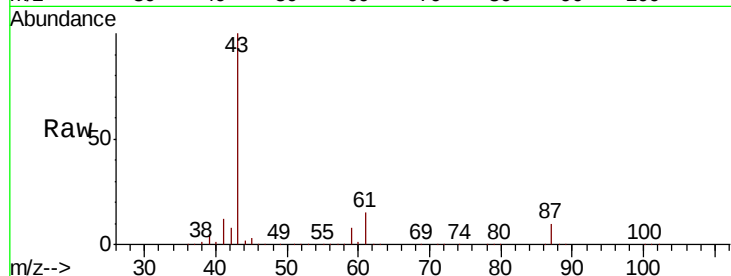
87 12.2 9.6 14.4

Manual Integrations

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#44

Trichloroethene

Concen: 141.428 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX005537.D

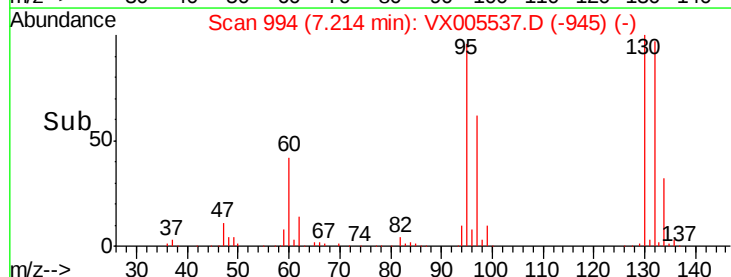
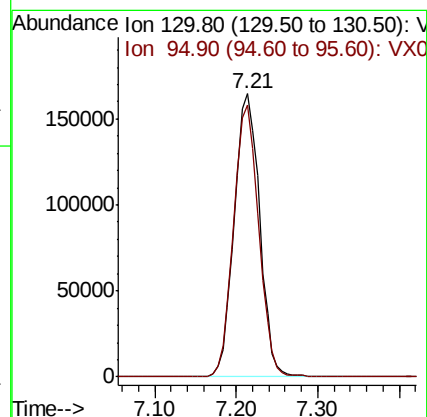
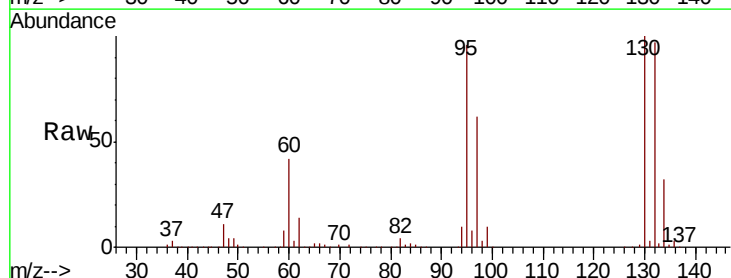
Acq: 24 Oct 2018 12:52

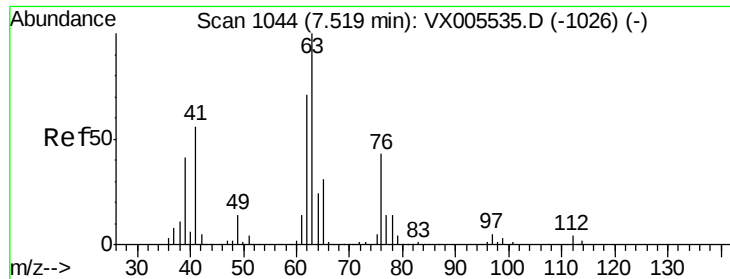
Tgt Ion:130 Resp: 352609

Ion Ratio Lower Upper

130 100

95 96.3 0.0 194.2





#45

1,2-Dichloropropane

Concen: 140.992 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VX005537.D

Acq: 24 Oct 2018 12:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 346911

Ion Ratio Lower Upper

63 100

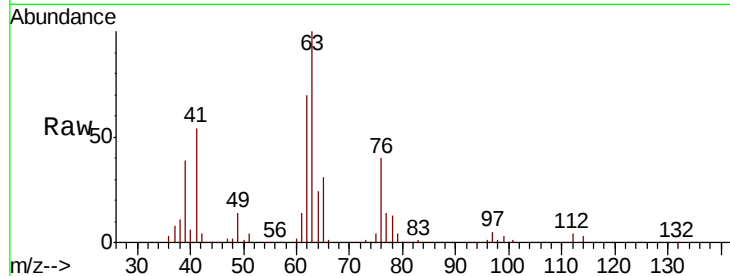
65 30.9 24.8 37.2

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.52

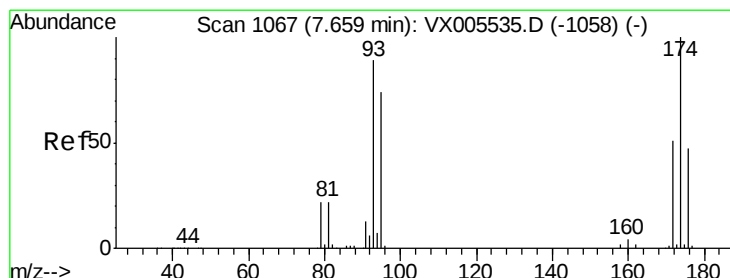
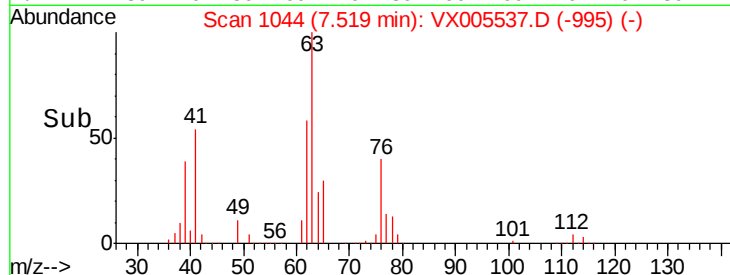
150000

100000

50000

0

Time--> 7.30 7.40 7.50 7.60 7.70



#46

Dibromomethane

Concen: 139.484 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX005537.D

Acq: 24 Oct 2018 12:52

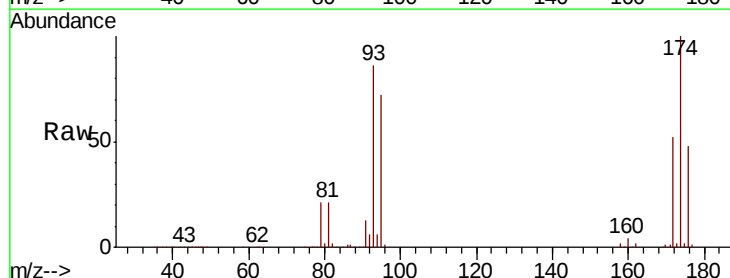
Tgt Ion: 93 Resp: 221662

Ion Ratio Lower Upper

93 100

95 83.6 67.4 101.0

174 115.0 91.5 137.3



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

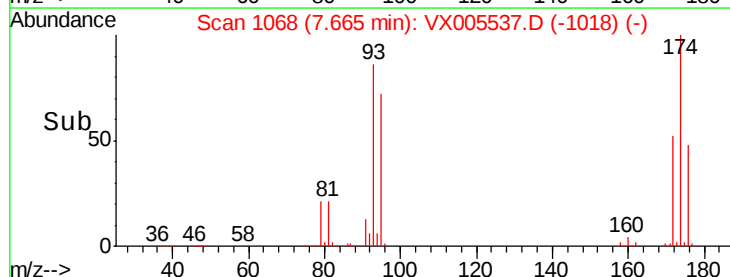
150000

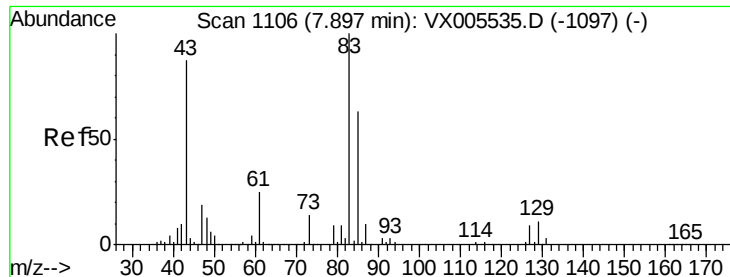
100000

50000

0

Time--> 7.60 7.70





#47

Bromodichloromethane

Concen: 149.367 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX005537.D

Acq: 24 Oct 2018 12:52

Instrument :

MSVOA_X

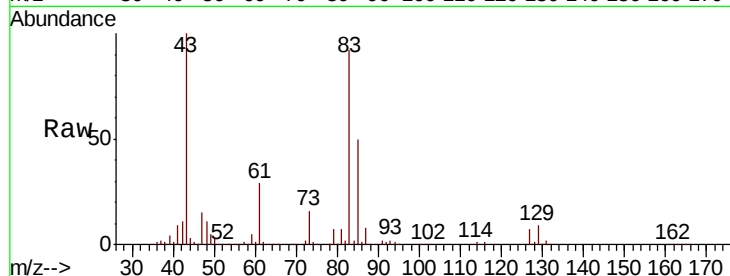
ClientSampleId :

VSTDIC150

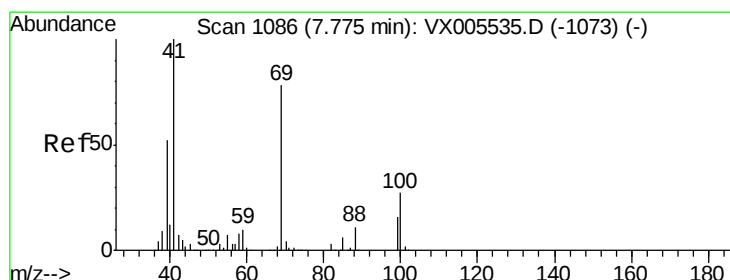
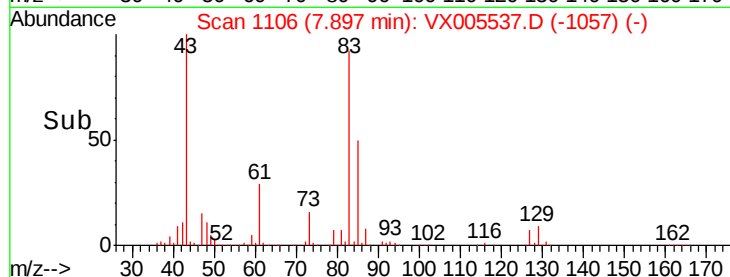
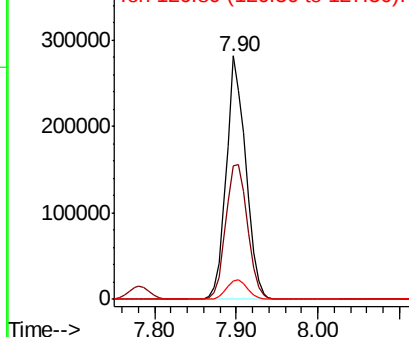
Tot Ion:	83	Resp:	460696
Ion	Ratio	Lower	Upper
83	100		
85	54.7	50.2	75.4
127	7.3	6.9	10.3

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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 157.086 ug/l

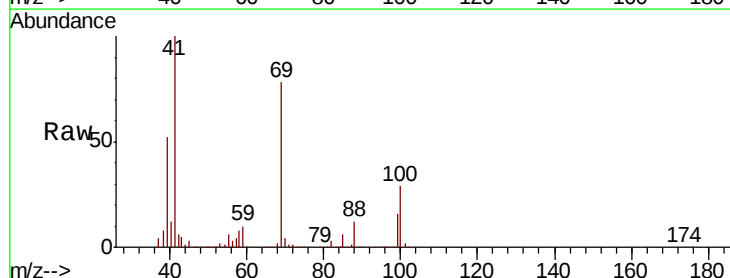
RT: 7.78 min Scan# 1087

Delta R.T. 0.01 min

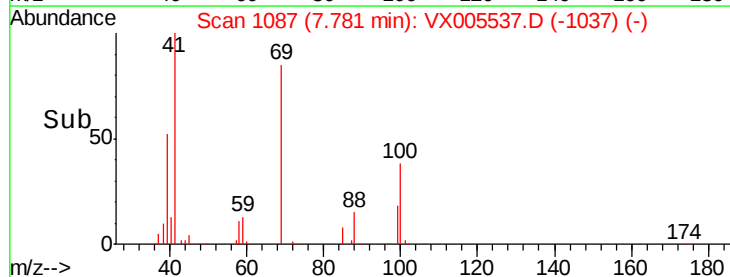
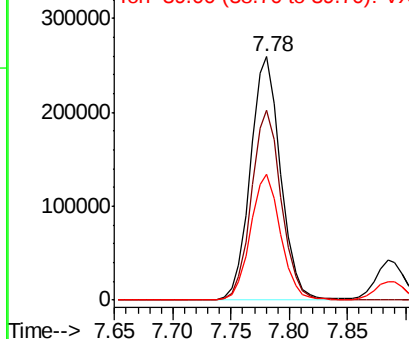
Lab File: VX005537.D

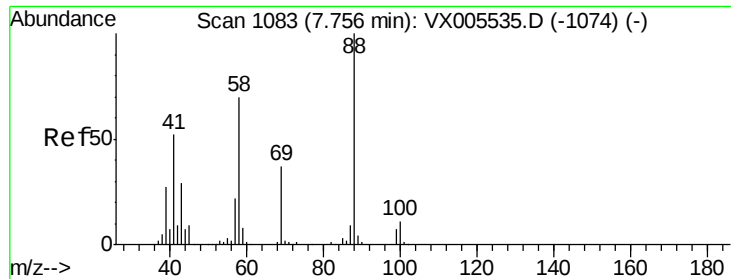
Acq: 24 Oct 2018 12:52

Tgt Ion:	41	Resp:	467189
Ion	Ratio	Lower	Upper
41	100		
69	77.7	63.2	94.8
39	51.7	42.2	63.2



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





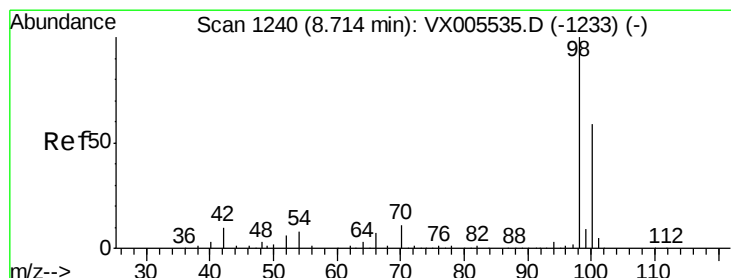
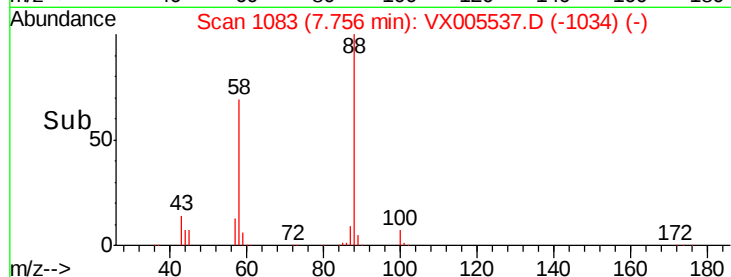
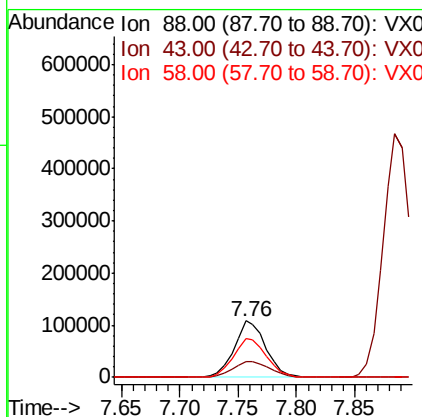
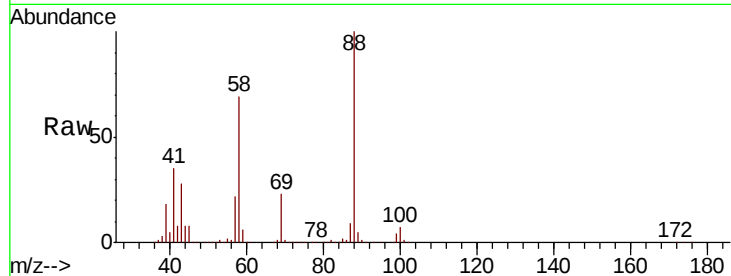
#49
1,4-Dioxane
Concen: 3130.772 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VX005537.D
Acq: 24 Oct 2018 12:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.1	27.4	41.0
58	73.0	59.4	89.2

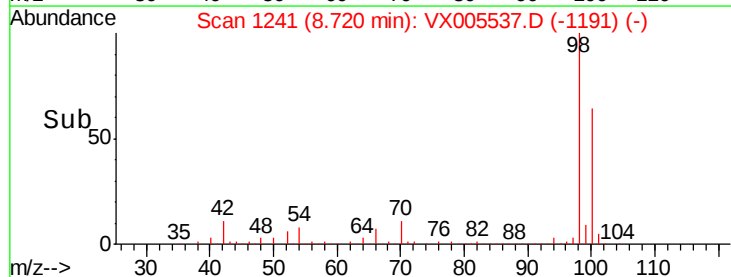
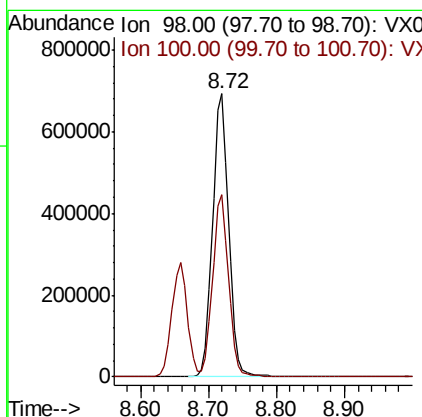
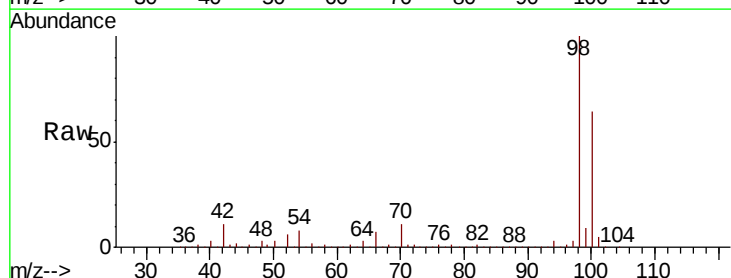
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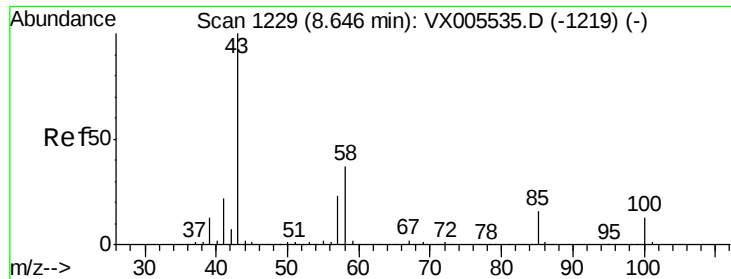
MMDadoda
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#50
Toluene-d8
Concen: 142.362 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VX005537.D
Acq: 24 Oct 2018 12:52

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.3	76.9





#51

4-Methyl-2-Pentanone

Concen: 786.810 ug/l

RT: 8.66 min Scan# 1231

Delta R.T. 0.01 min

Lab File: VX005537.D

Acq: 24 Oct 2018 12:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 3228214

Ion Ratio Lower Upper

43 100

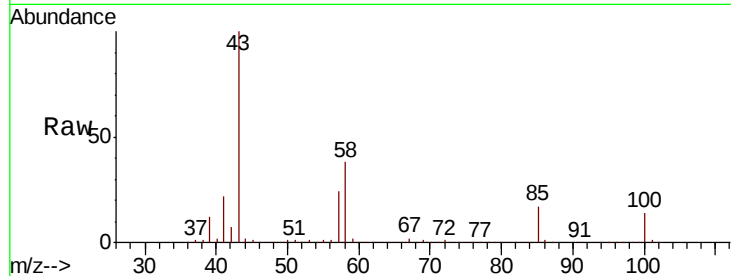
58 37.9 29.7 44.5

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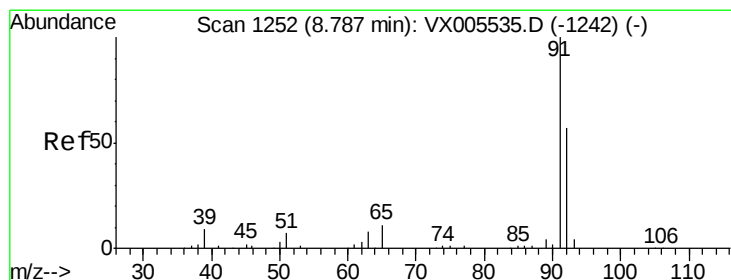
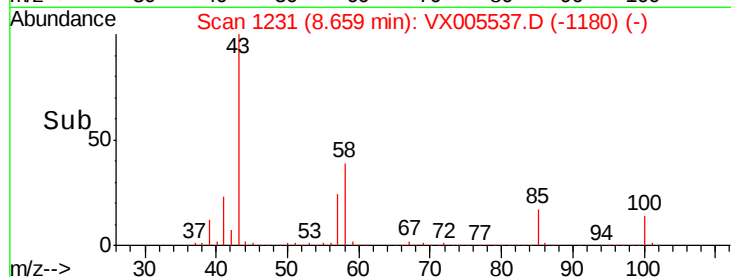
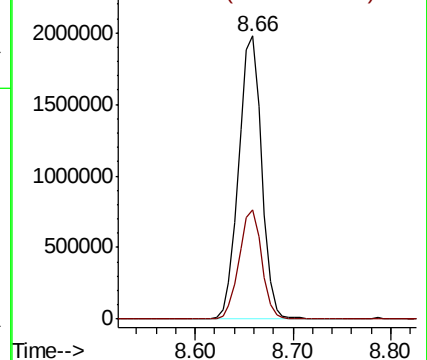
MMDadoda

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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: 144.817 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005537.D

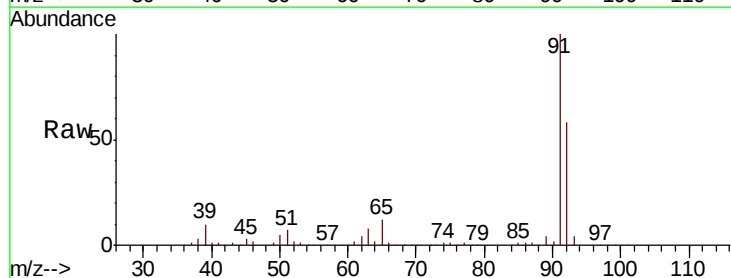
Acq: 24 Oct 2018 12:52

Tgt Ion: 92 Resp: 805480

Ion Ratio Lower Upper

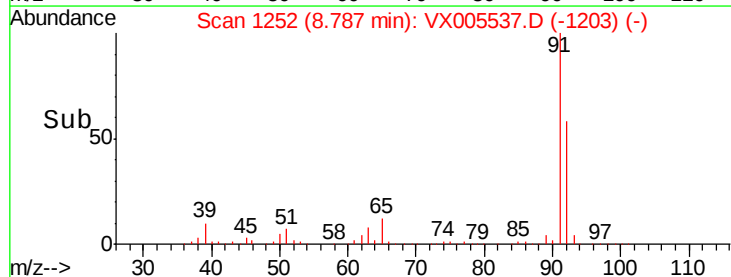
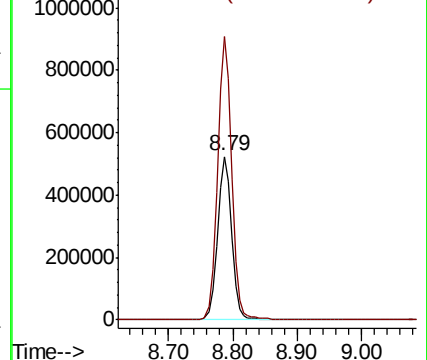
92 100

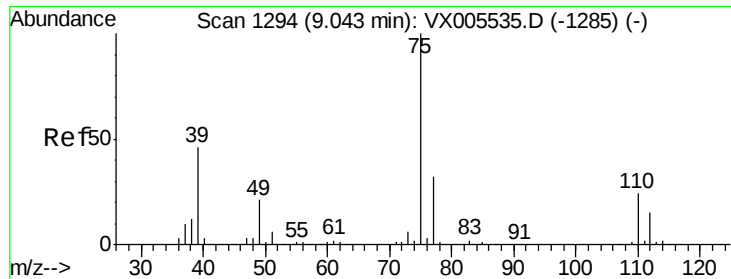
91 173.7 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





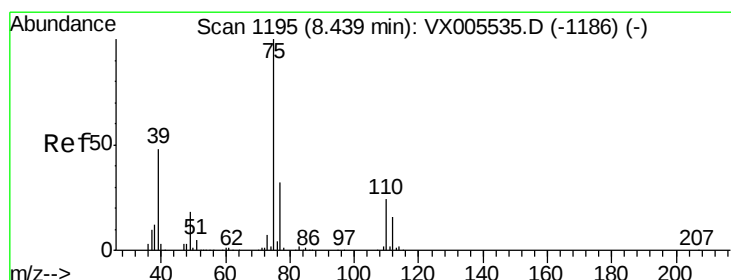
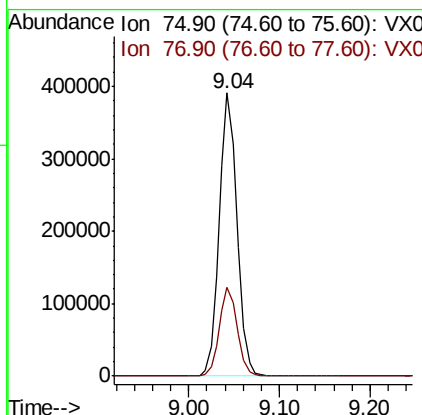
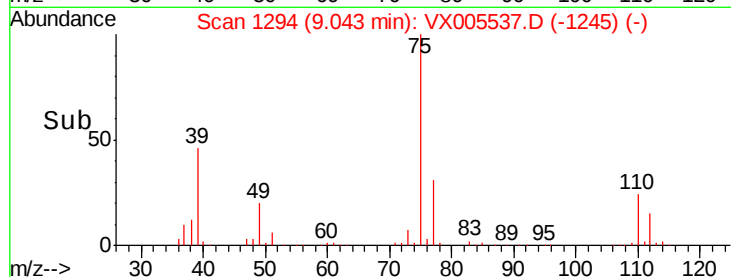
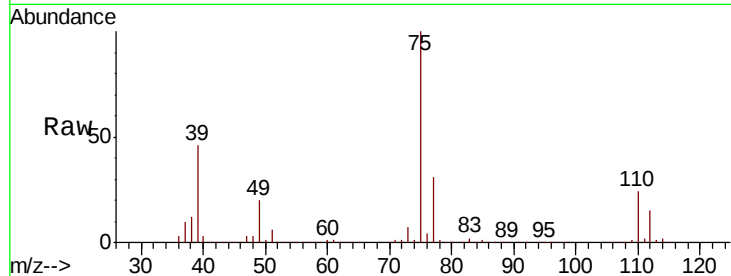
#53
 t-1,3-Dichloropropene
 Concen: 160.943 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX005537.D
 Acq: 24 Oct 2018 12:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion: 75 Resp: 536493
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.4 38.2

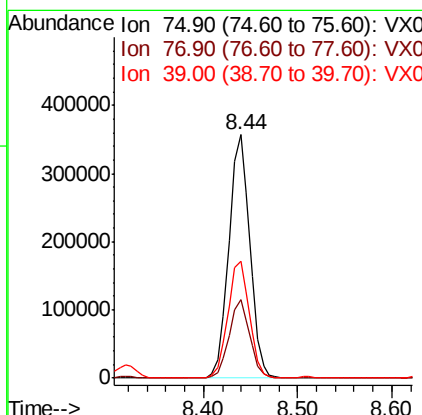
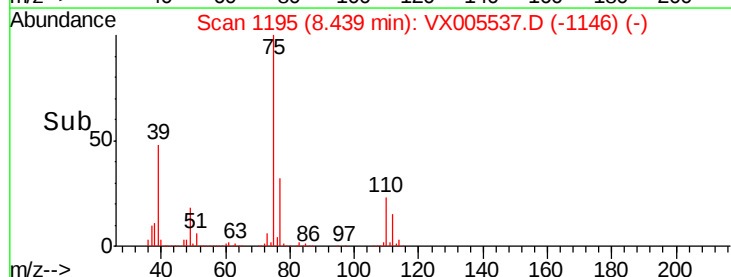
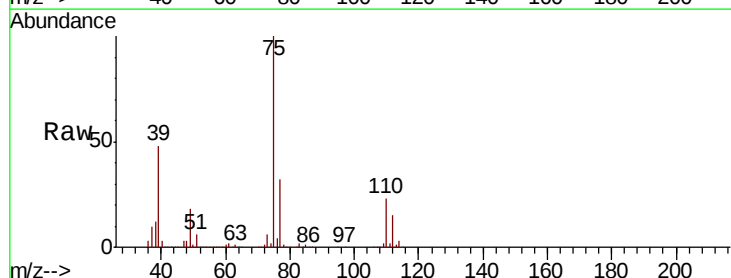
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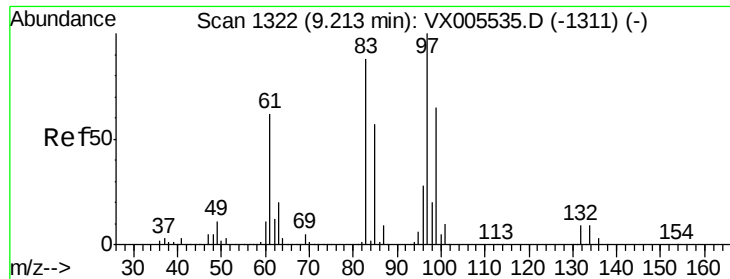
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#54
 cis-1,3-Dichloropropene
 Concen: 153.496 ug/l
 RT: 8.44 min Scan# 1195
 Delta R.T. -0.00 min
 Lab File: VX005537.D
 Acq: 24 Oct 2018 12:52

Tgt Ion: 75 Resp: 550883
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.2 37.8
 39 47.7 38.2 57.2





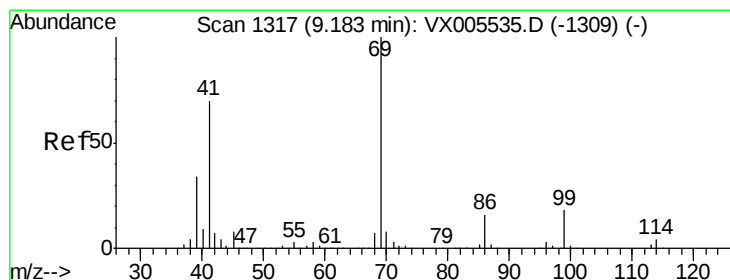
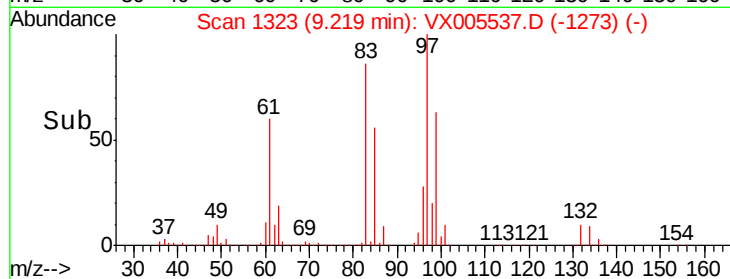
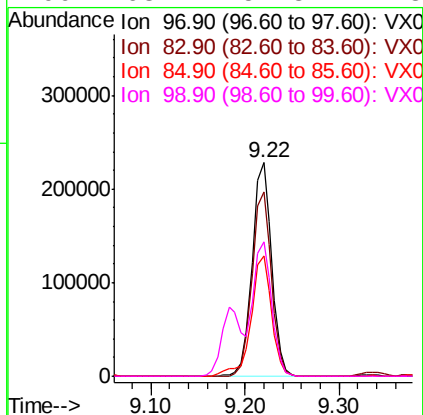
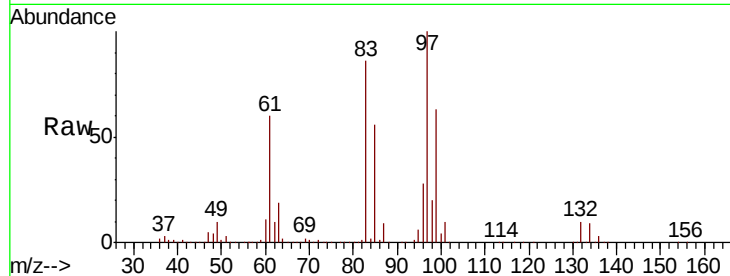
#55
 1,1,2-Trichloroethane
 Concen: 142.304 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. 0.01 min
 Lab File: VX005537.D
 Acq: 24 Oct 2018 12:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion:	97	Resp:	333704
Ion	Ratio	Lower	Upper
97	100		
83	86.2	70.7	106.1
85	56.4	45.8	68.6
99	63.1	51.8	77.8

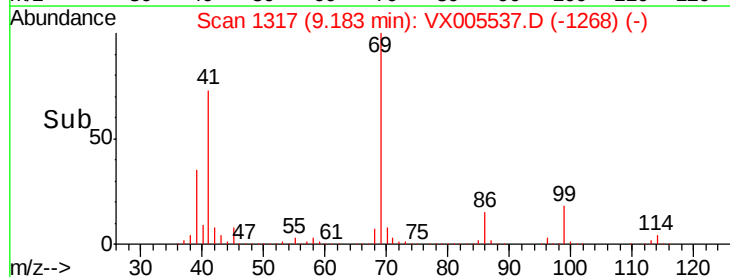
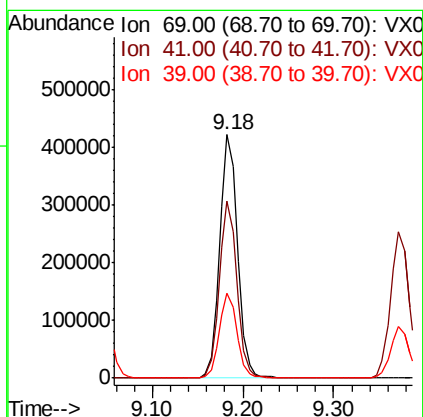
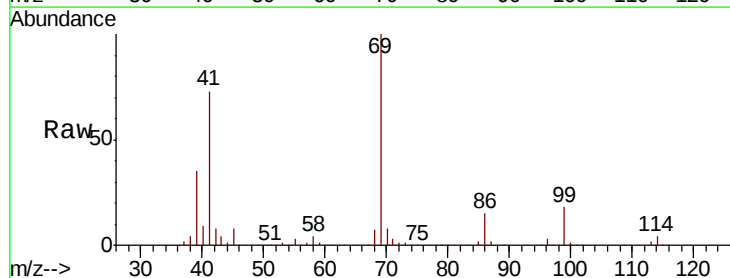
Manual Integrations
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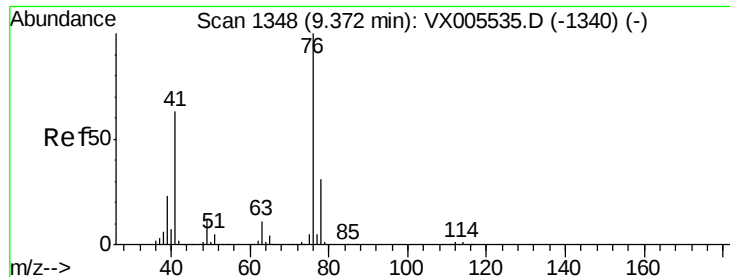
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#56
 Ethyl methacrylate
 Concen: 166.168 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX005537.D
 Acq: 24 Oct 2018 12:52

Tgt Ion:	69	Resp:	581219
Ion	Ratio	Lower	Upper
69	100		
41	71.7	57.0	85.6
39	34.7	28.3	42.5





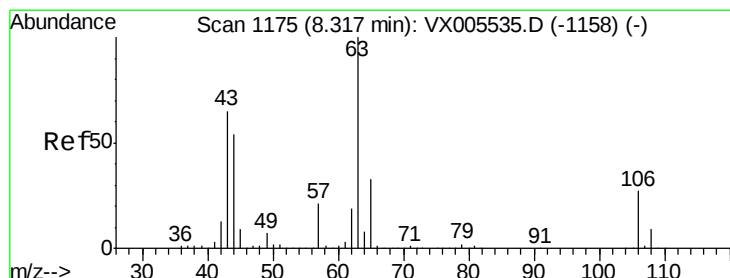
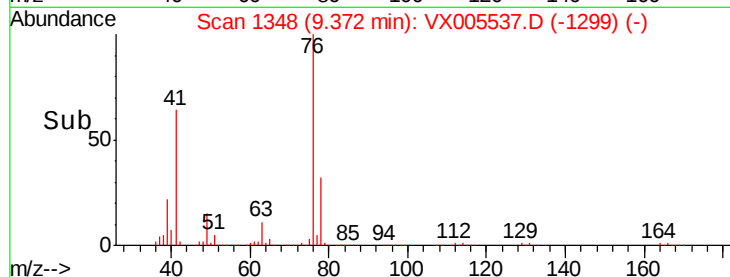
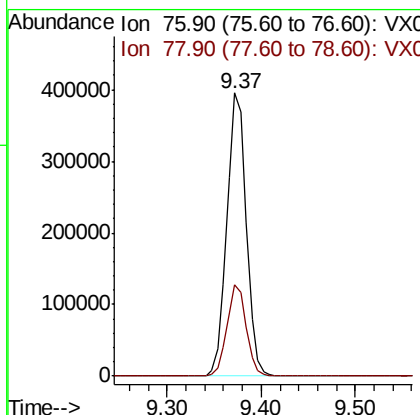
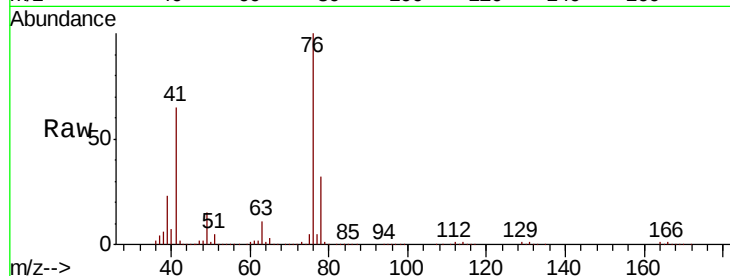
#57
 1,3-Dichloropropane
 Concen: 142.557 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX005537.D
 Acq: 24 Oct 2018 12:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion: 76 Resp: 565641
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.3 37.9

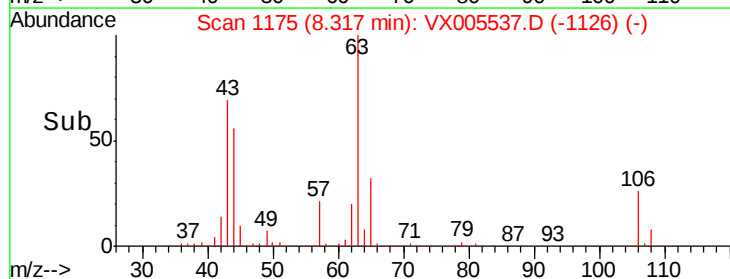
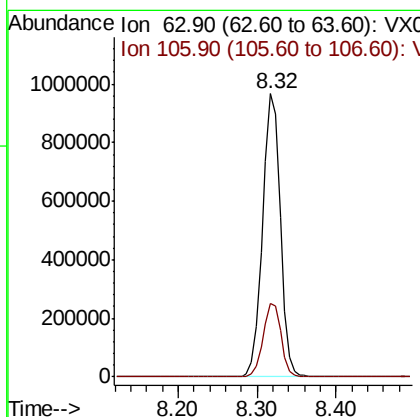
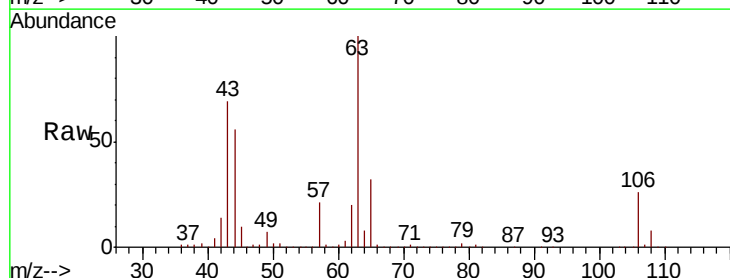
Manual Integrations
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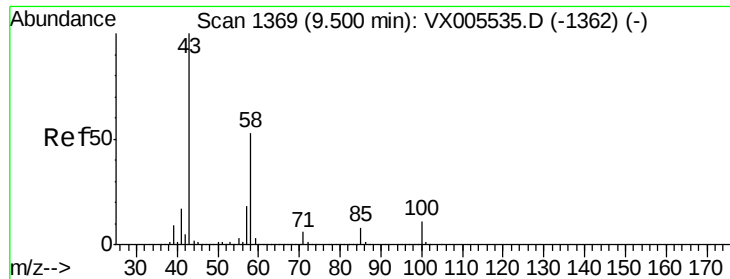
MMDadoda
 10/26/2018 11:53:19 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 776.161 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. -0.00 min
 Lab File: VX005537.D
 Acq: 24 Oct 2018 12:52

Tgt Ion: 63 Resp: 1516264
 Ion Ratio Lower Upper
 63 100
 106 26.4 21.3 31.9





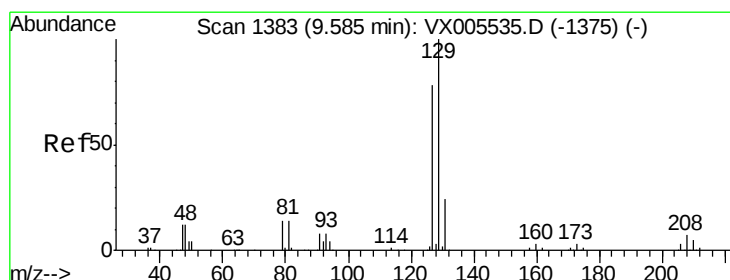
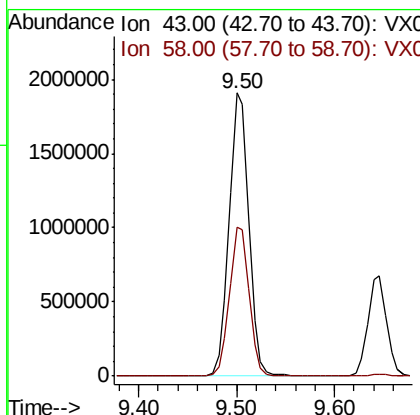
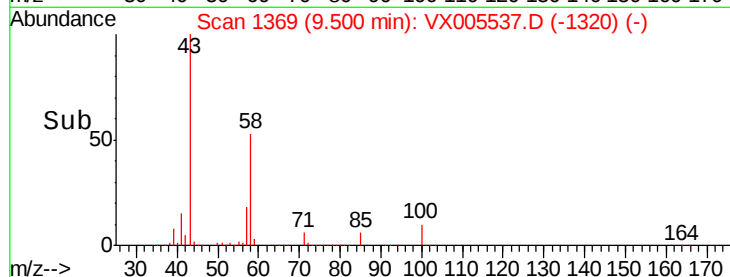
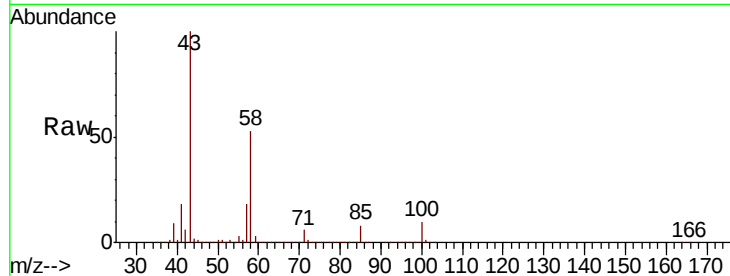
#59
2-Hexanone
Concen: 823.276 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX005537.D
Acq: 24 Oct 2018 12:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 2663249
Ion Ratio Lower Upper
43 100
58 52.8 25.9 77.8

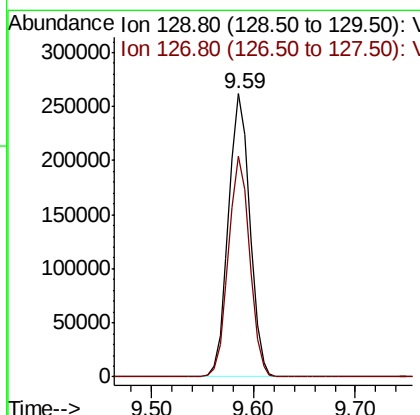
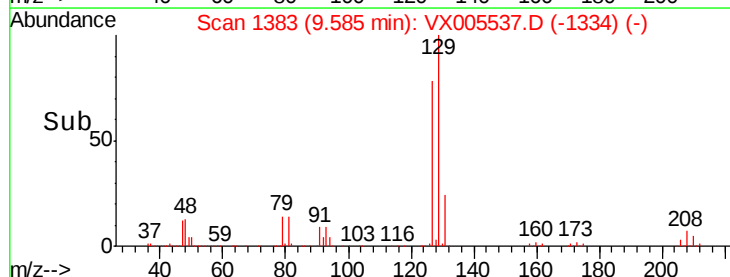
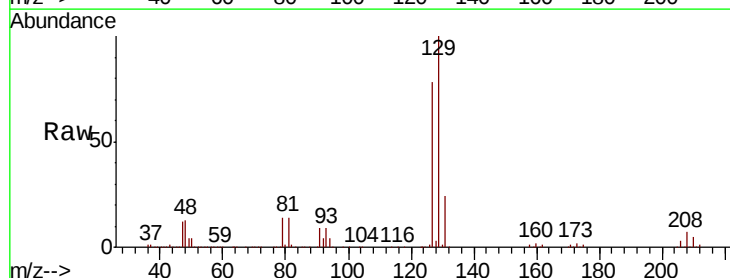
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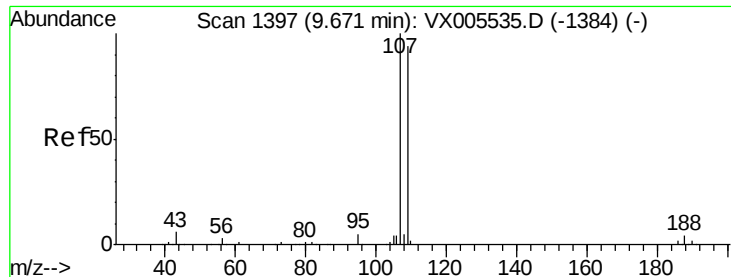
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#60
Dibromochloromethane
Concen: 155.084 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005537.D
Acq: 24 Oct 2018 12:52

Tgt Ion:129 Resp: 379433
Ion Ratio Lower Upper
129 100
127 77.2 38.9 116.7





#61

1,2-Dibromoethane

Concen: 146.775 ug/l

RT: 9.68 min Scan# 1398

Delta R.T. 0.01 min

Lab File: VX005537.D

Acq: 24 Oct 2018 12:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tot Ion:107 Resp: 356077

Ion Ratio Lower Upper

107 100

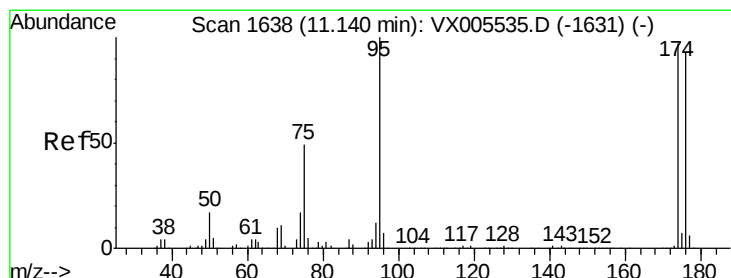
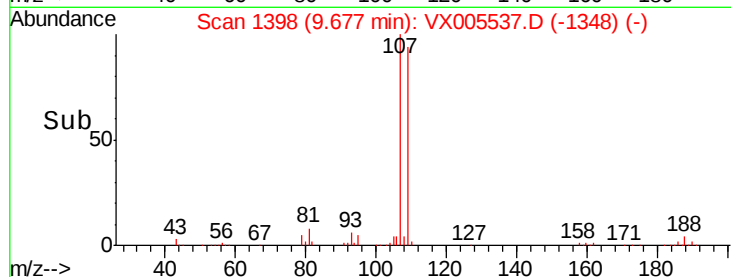
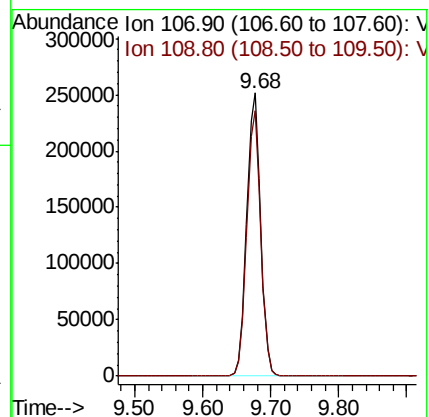
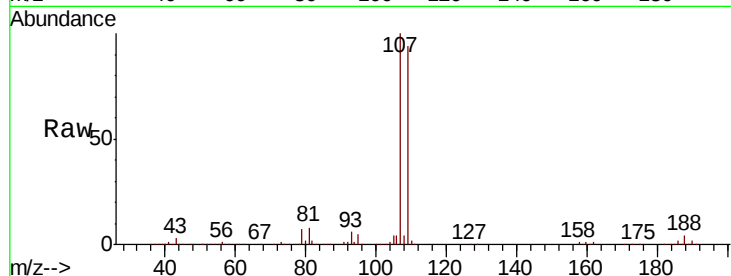
109 94.3 75.7 113.5

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#62

4-Bromofluorobenzene

Concen: 157.421 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005537.D

Acq: 24 Oct 2018 12:52

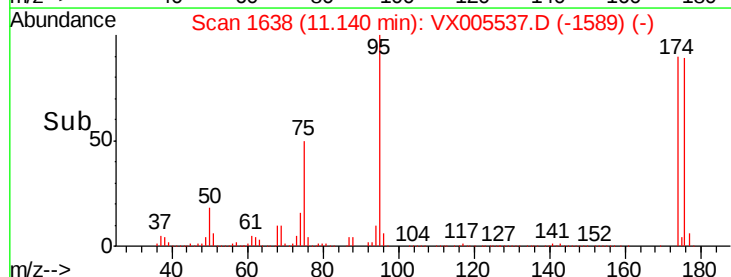
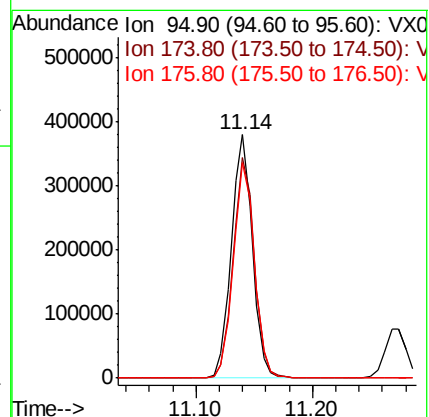
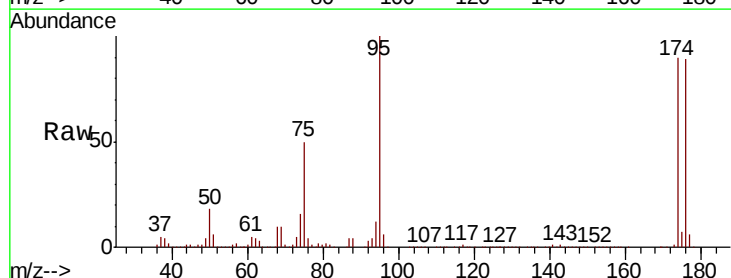
Tgt Ion: 95 Resp: 475838

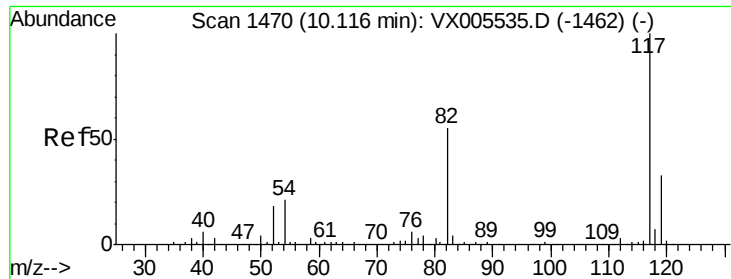
Ion Ratio Lower Upper

95 100

174 91.5 0.0 184.4

176 88.9 0.0 177.4





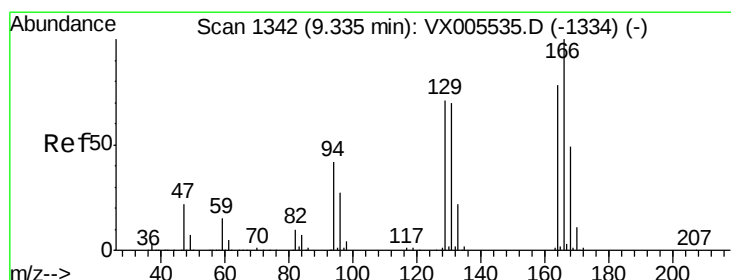
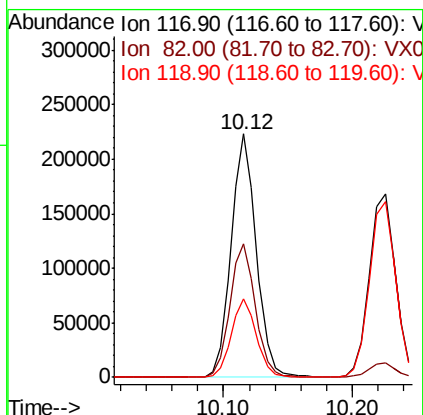
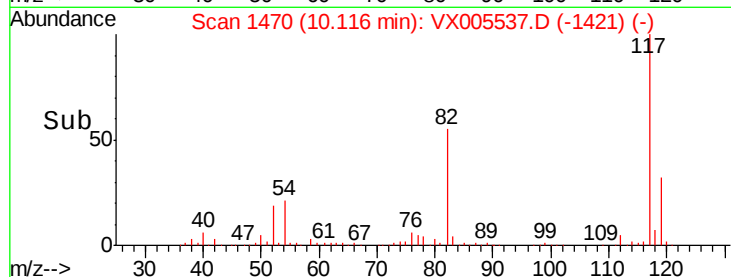
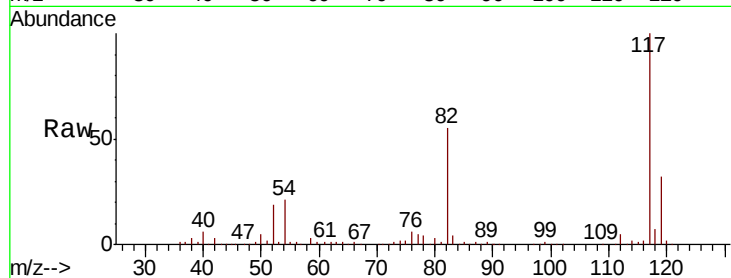
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005537.D
Acq: 24 Oct 2018 12:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.9	44.1	66.1
119	32.4	26.2	39.2

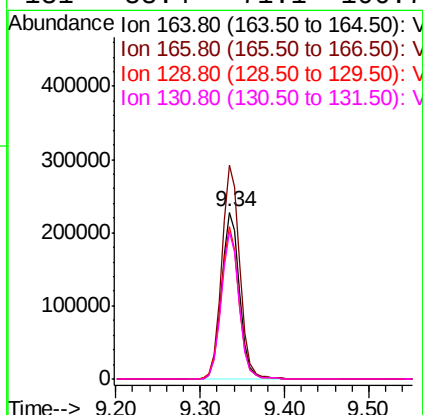
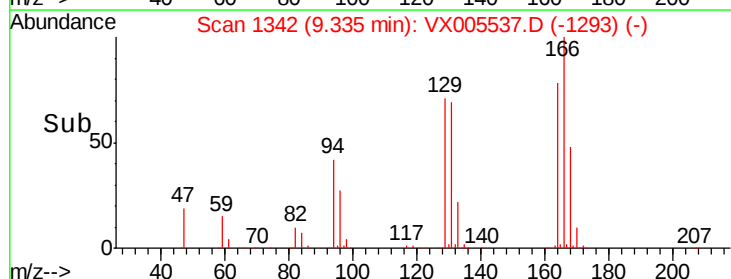
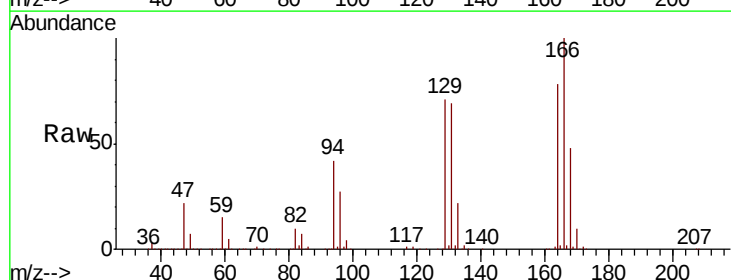
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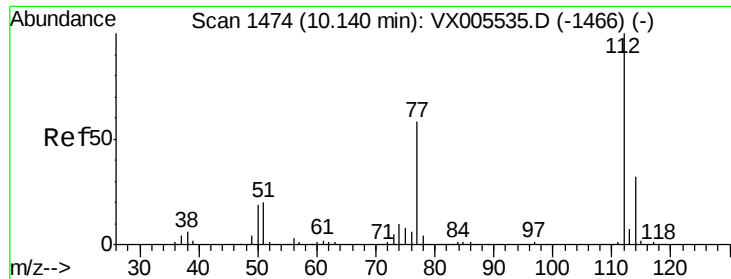
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#64
Tetrachloroethene
Concen: 132.930 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005537.D
Acq: 24 Oct 2018 12:52

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.0	101.9	152.9
129	91.2	72.6	109.0
131	88.4	71.1	106.7





#65

Chlorobenzene

Concen: 143.456 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX005537.D

Acq: 24 Oct 2018 12:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:112 Resp: 932423

Ion Ratio Lower Upper

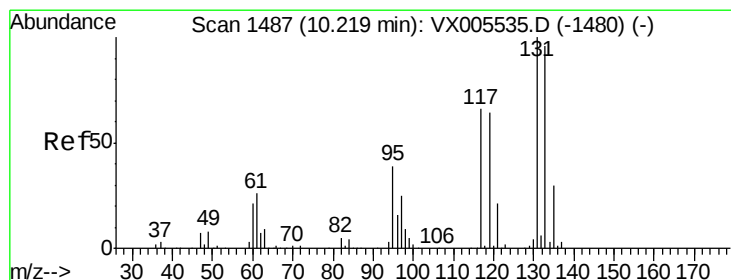
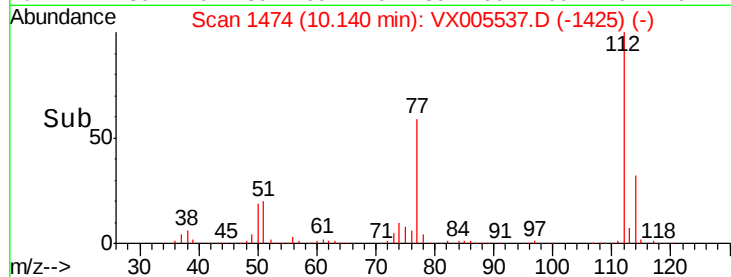
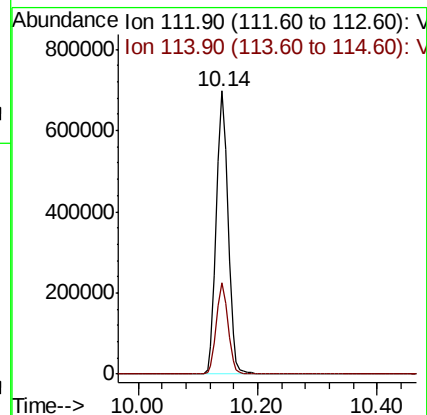
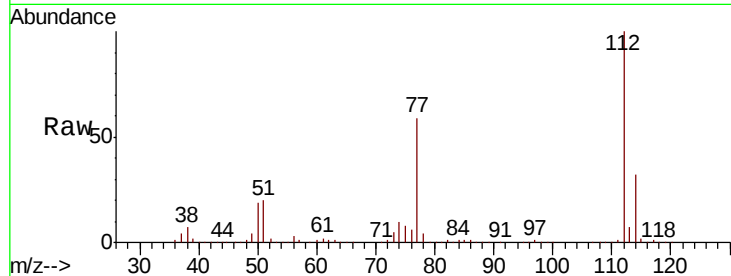
112 100

114 32.1 25.8 38.6

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#66

1,1,1,2-Tetrachloroethane

Concen: 148.440 ug/l

RT: 10.23 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VX005537.D

Acq: 24 Oct 2018 12:52

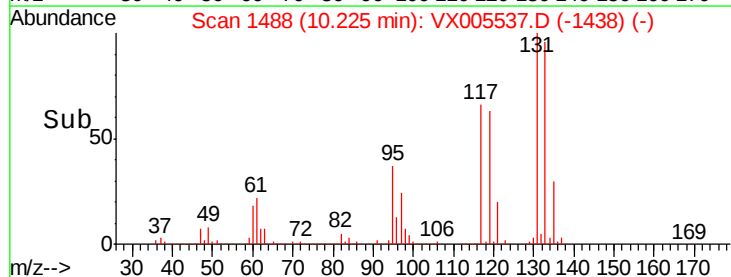
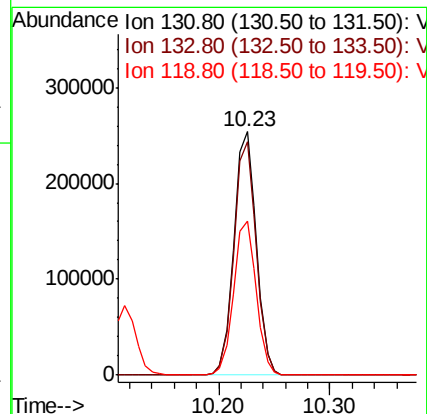
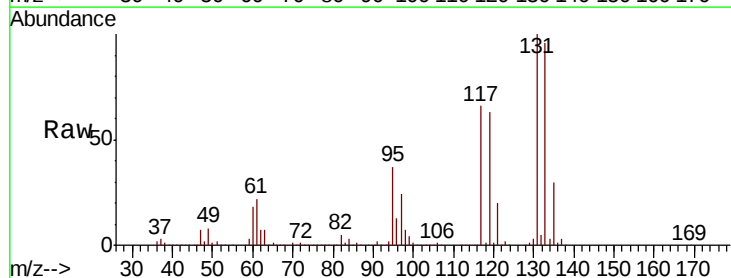
Tgt Ion:131 Resp: 351802

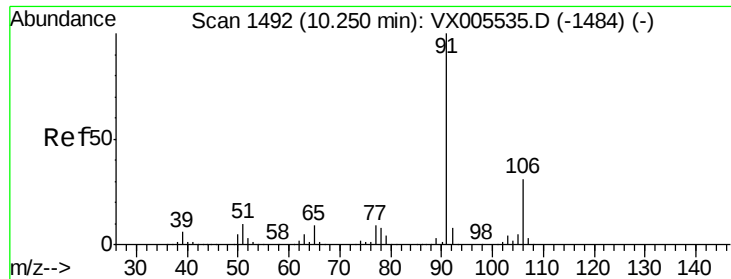
Ion Ratio Lower Upper

131 100

133 95.5 47.5 142.5

119 63.8 31.8 95.3





#67

Ethyl Benzene

Concen: 151.587 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. 0.01 min

Lab File: VX005537.D

Acq: 24 Oct 2018 12:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1621057

Ion Ratio Lower Upper

91 100

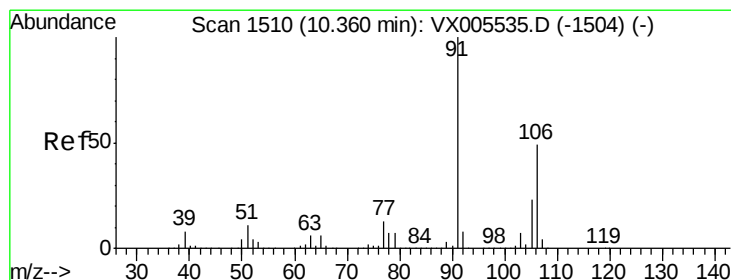
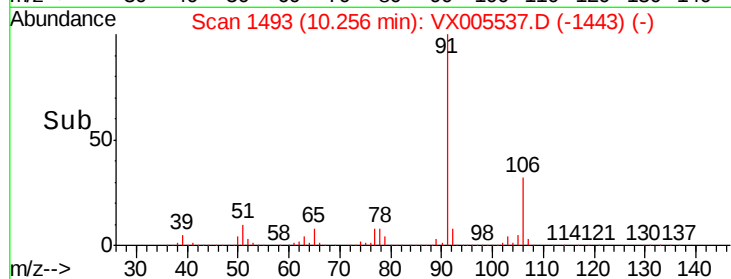
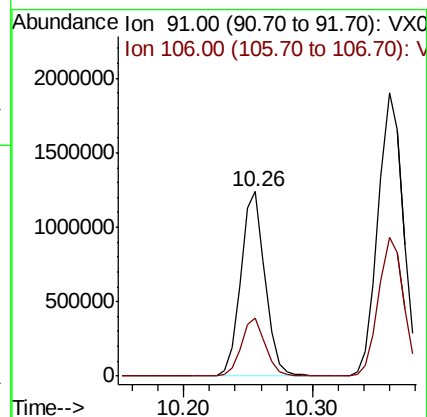
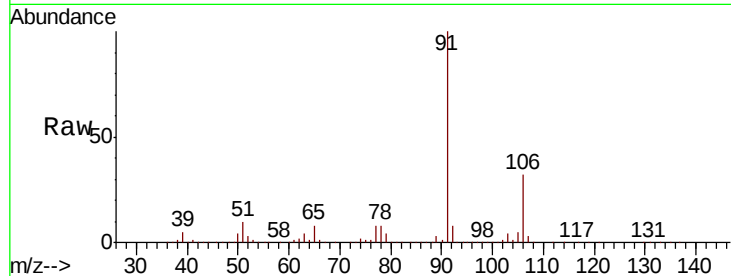
106 31.5 24.4 36.6

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#68

m/p-Xylenes

Concen: 303.044 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX005537.D

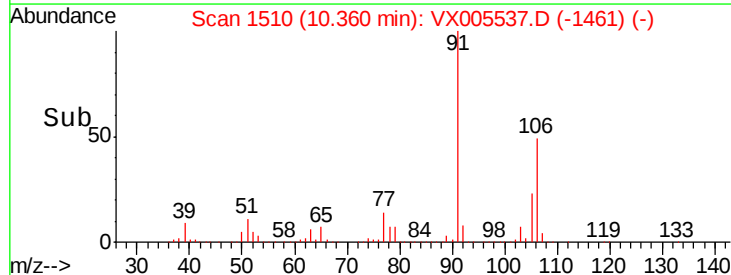
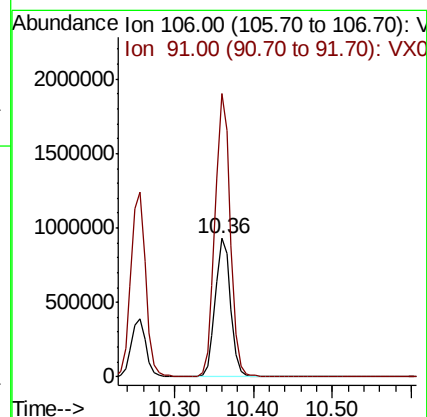
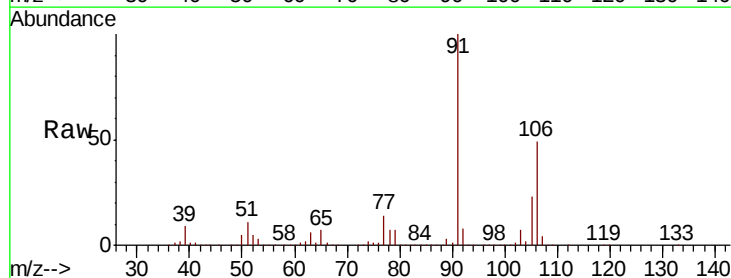
Acq: 24 Oct 2018 12:52

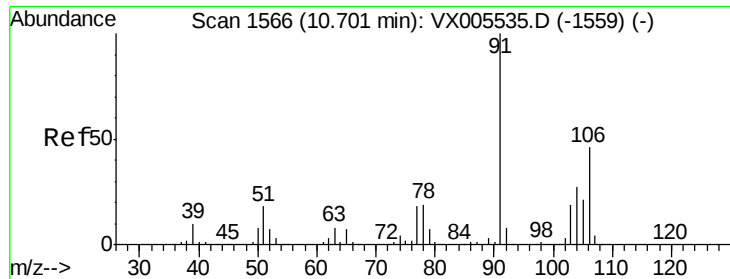
Tgt Ion: 106 Resp: 1257307

Ion Ratio Lower Upper

106 100

91 203.7 164.2 246.4





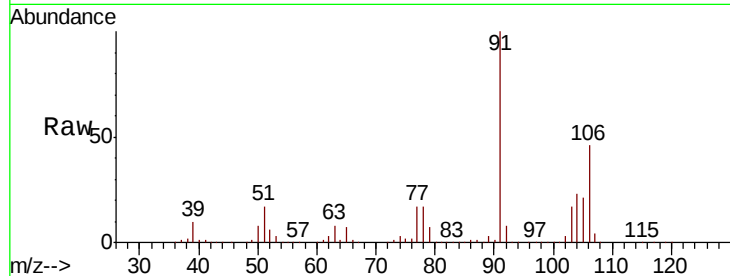
#69
o-Xylene
Concen: 156.659 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005537.D
Acq: 24 Oct 2018 12:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

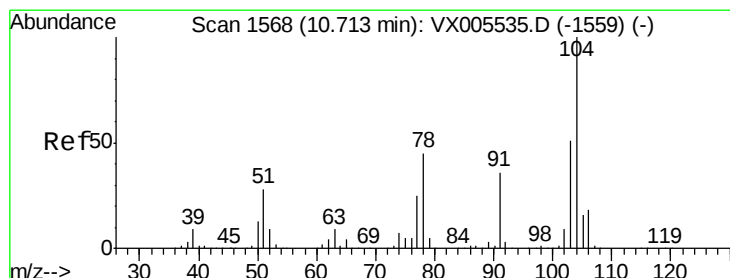
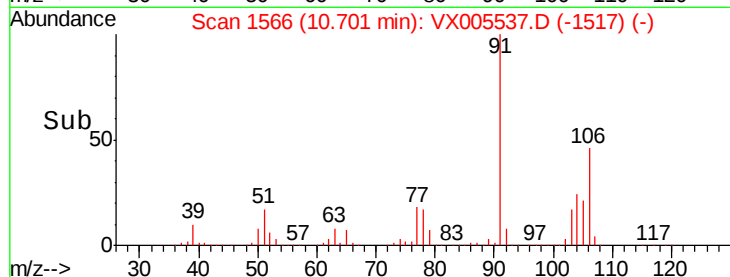
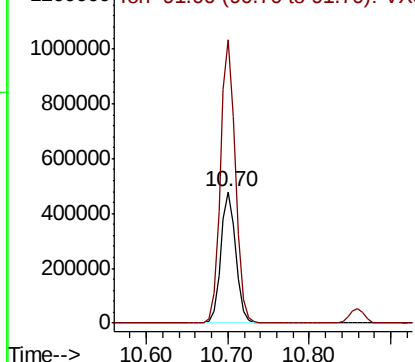
Tot Ion:106 Resp: 611498
Ion Ratio Lower Upper
106 100
91 216.7 108.5 325.5

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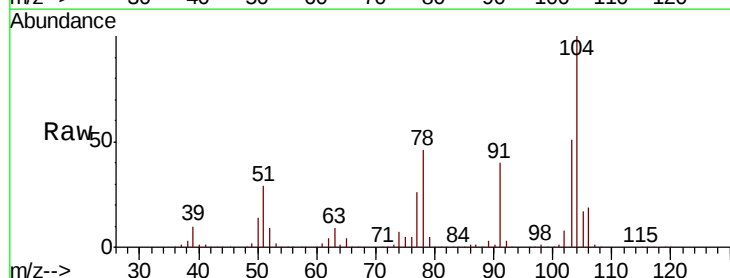


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

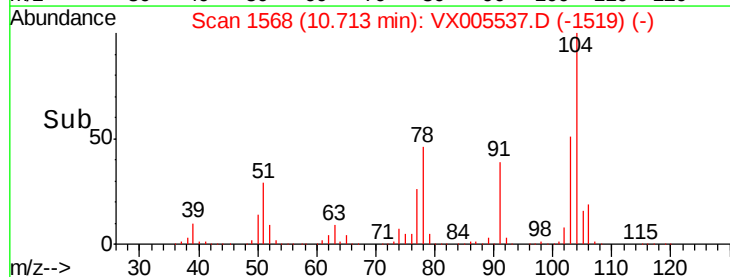
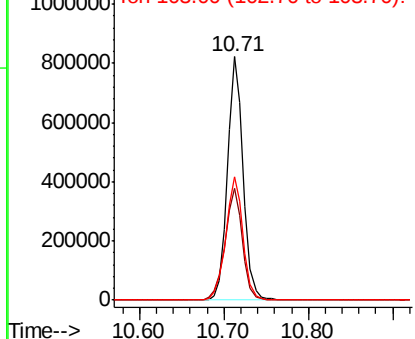


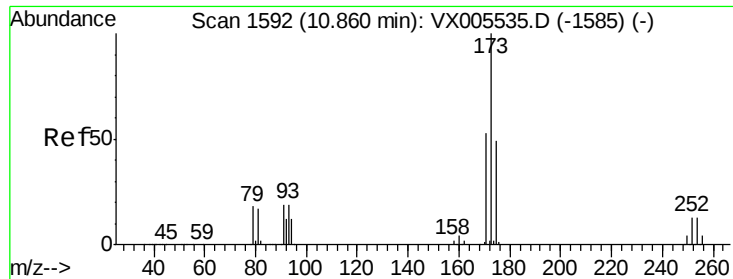
#70
Styrene
Concen: 161.288 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005537.D
Acq: 24 Oct 2018 12:52

Tgt Ion:104 Resp: 1053915
Ion Ratio Lower Upper
104 100
78 50.9 40.2 60.4
103 55.5 44.9 67.3



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





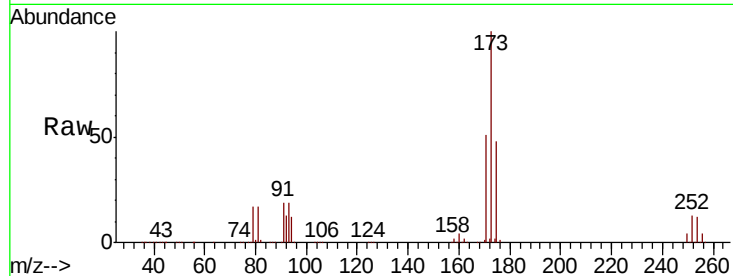
#71
Bromoform
Concen: 170.708 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VX005537.D
Acq: 24 Oct 2018 12:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

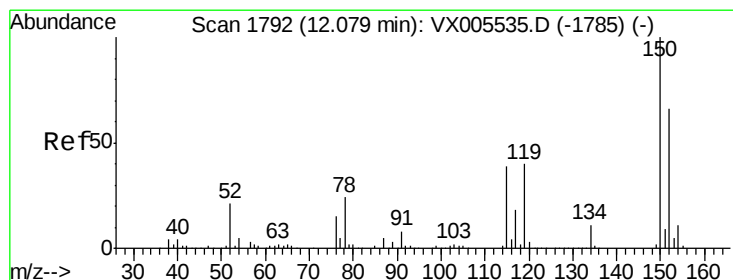
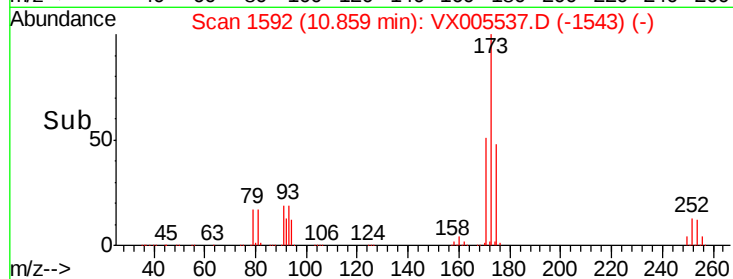
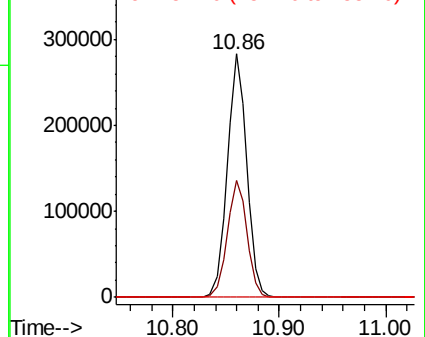
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.8	74.3
254	0.2	0.2	0.2

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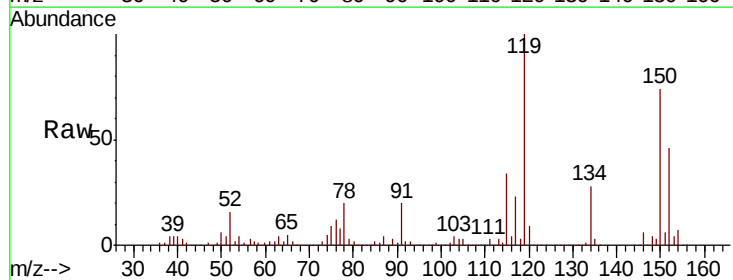


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

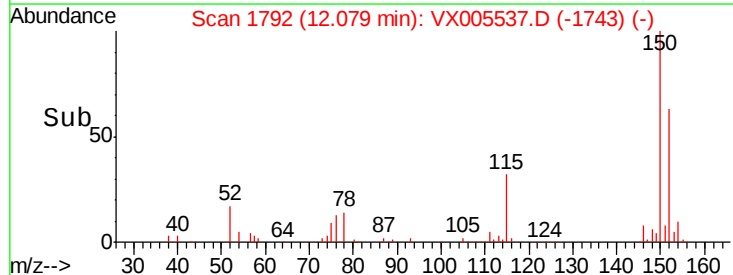
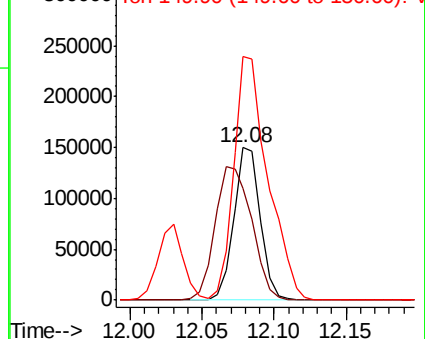


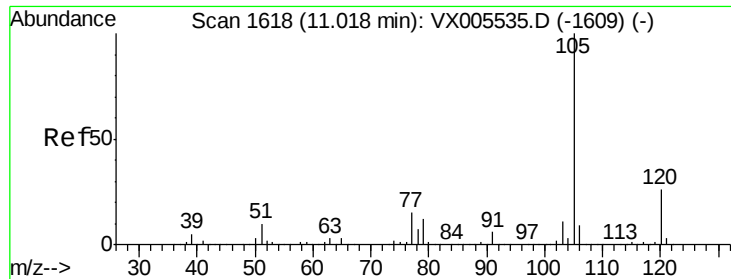
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005537.D
Acq: 24 Oct 2018 12:52

Tgt Ion	Ratio	Lower	Upper
152	100		
115	120.7	39.4	118.1#
150	205.4	0.0	346.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 141.969 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005537.D

Acq: 24 Oct 2018 12:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1667593

Ion Ratio Lower Upper

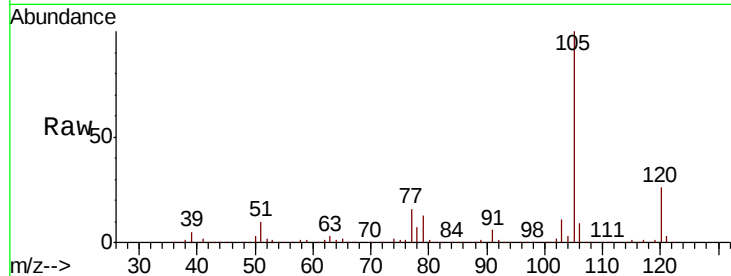
105 100

120 26.6 13.1 39.3

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

1500000

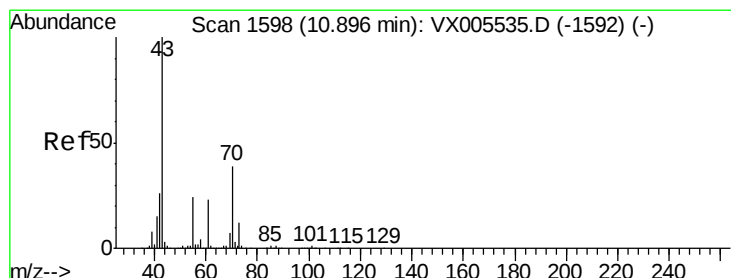
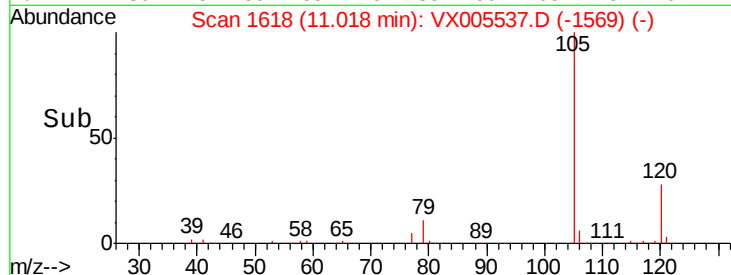
11.02

1000000

500000

0

Time-->



#74

N-ethyl acetate

Concen: 163.564 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.01 min

Lab File: VX005537.D

Acq: 24 Oct 2018 12:52

Tgt Ion: 43 Resp: 951981

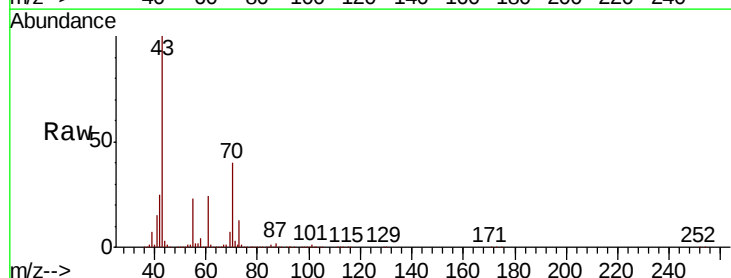
Ion Ratio Lower Upper

43 100

70 39.1 31.6 47.4

55 23.2 19.7 29.5

61 23.2 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

1200000

1000000

800000

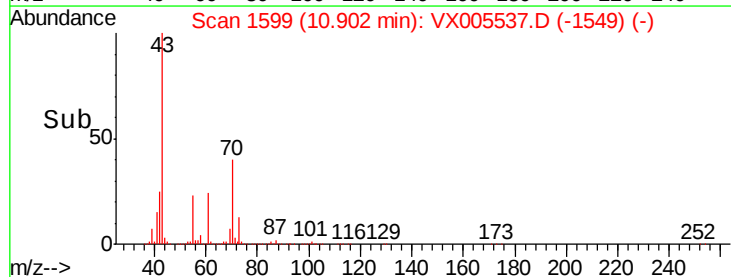
600000

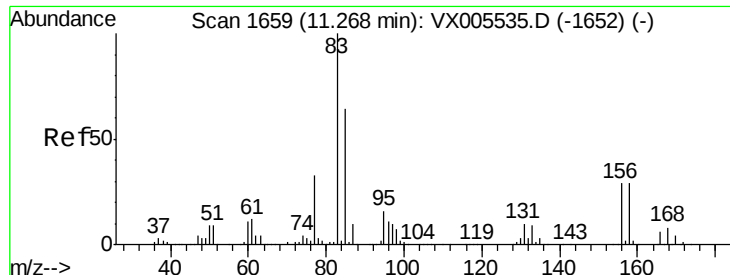
400000

200000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 145.358 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005537.D

Acq: 24 Oct 2018 12:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 629909

Ion Ratio Lower Upper

83 100

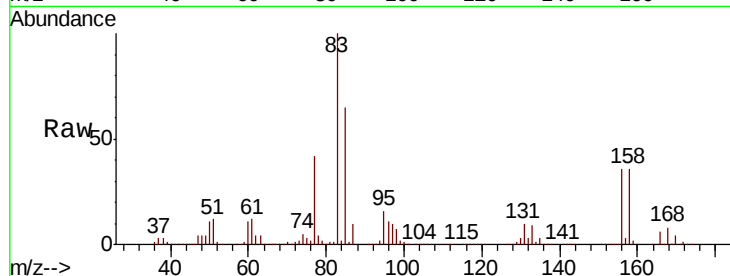
131 10.4 5.3 15.9

85 64.9 32.0 96.2

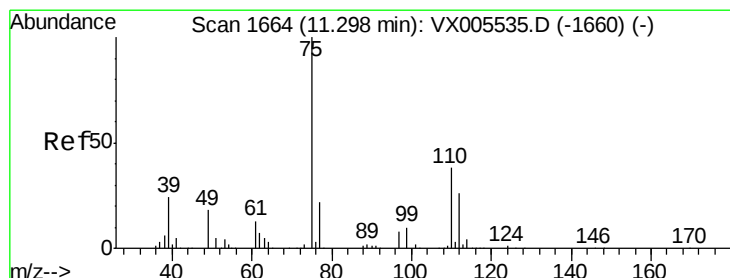
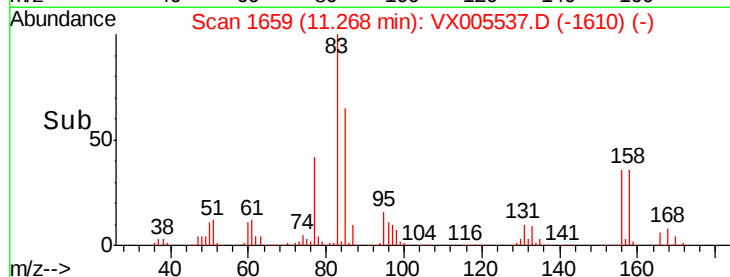
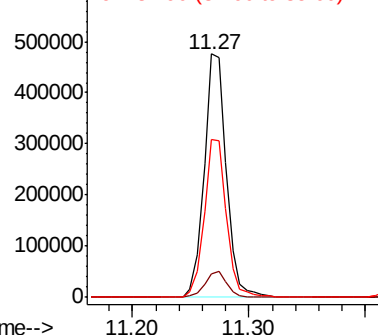
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 143.555 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX005537.D

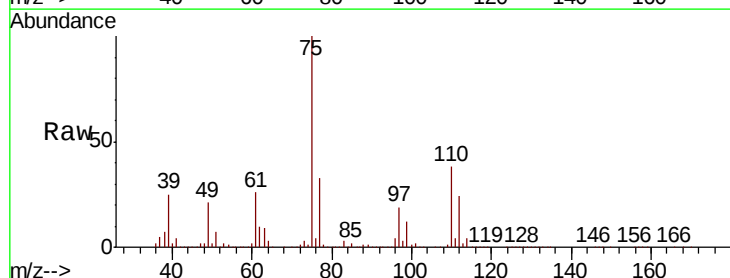
Acq: 24 Oct 2018 12:52

Tgt Ion: 75 Resp: 565248

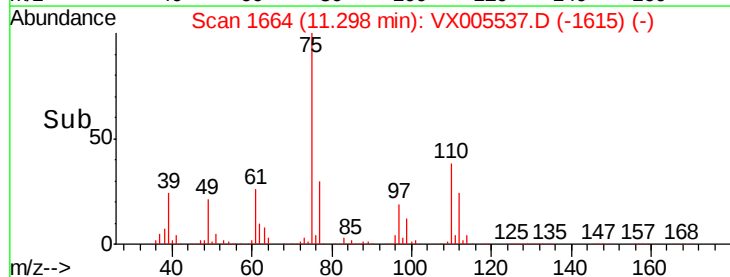
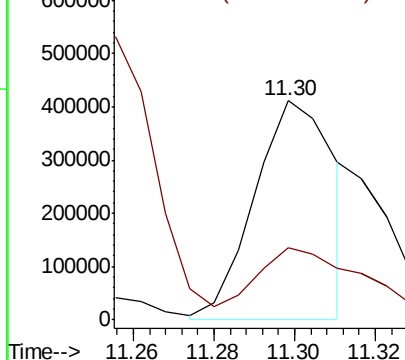
Ion Ratio Lower Upper

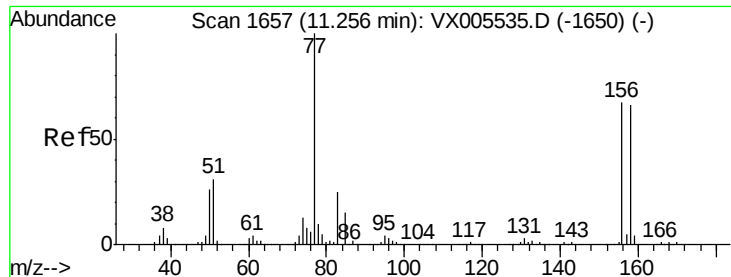
75 100

77 44.3 20.5 61.6



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





#77

Bromobenzene

Concen: 140.615 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005537.D

Acq: 24 Oct 2018 12:52

Instrument :

MSVOA_X

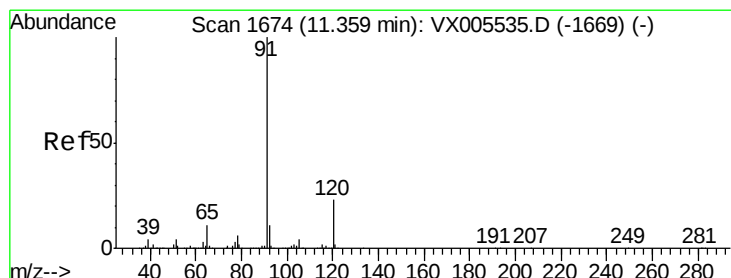
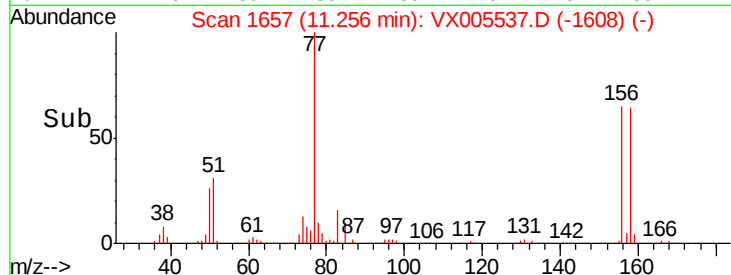
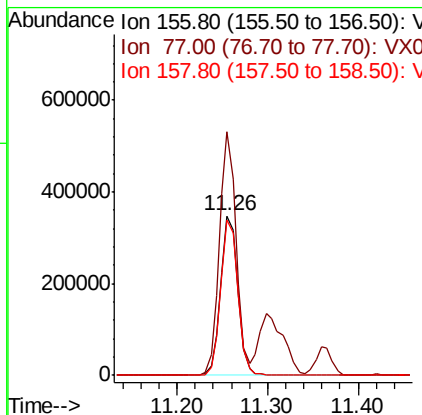
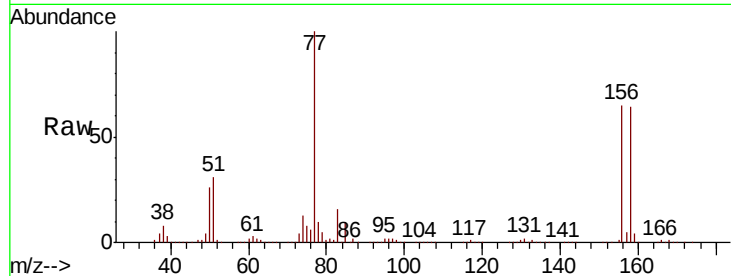
ClientSampleId :

VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	148.4	74.8	224.4	
158	97.4	49.1	147.3	

Manual Integrations
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#78

n-propylbenzene

Concen: 147.748 ug/l

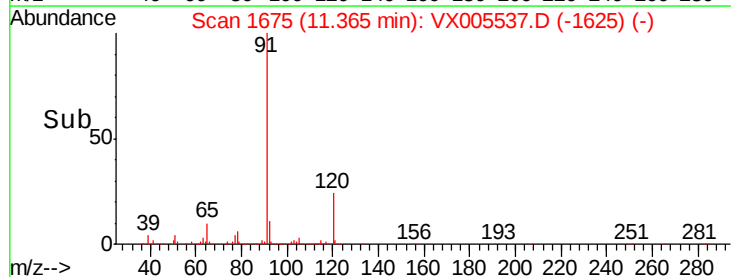
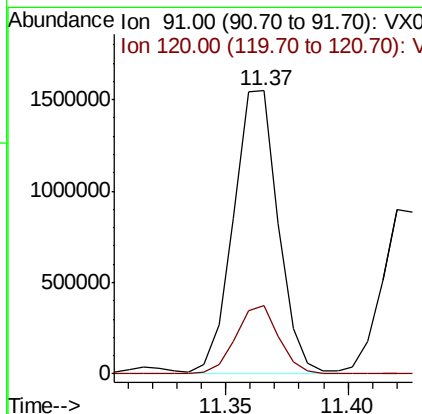
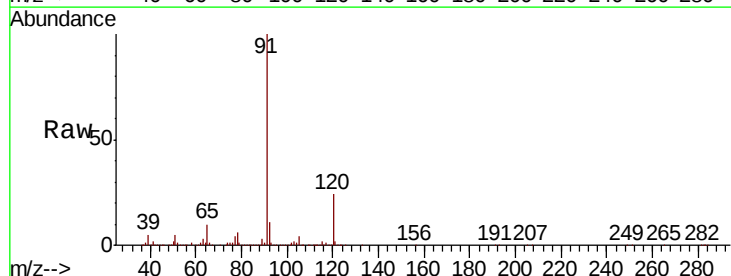
RT: 11.37 min Scan# 1675

Delta R.T. 0.01 min

Lab File: VX005537.D

Acq: 24 Oct 2018 12:52

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.4	11.9	35.5	





#79

2-Chlorotoluene

Concen: 142.983 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX005537.D

Acq: 24 Oct 2018 12:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1190735

Ion Ratio Lower Upper

91 100

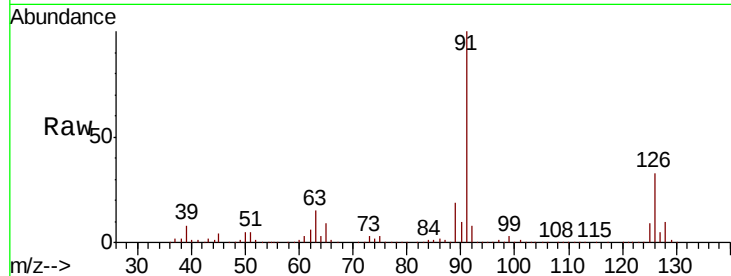
126 34.0 17.3 52.0

Manual Integrations

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MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VX005535.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX005535.D (-1679) (-)

1500000

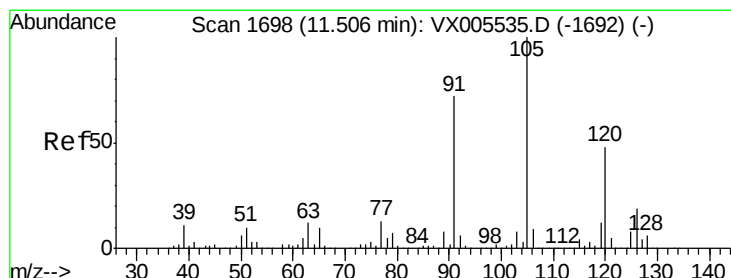
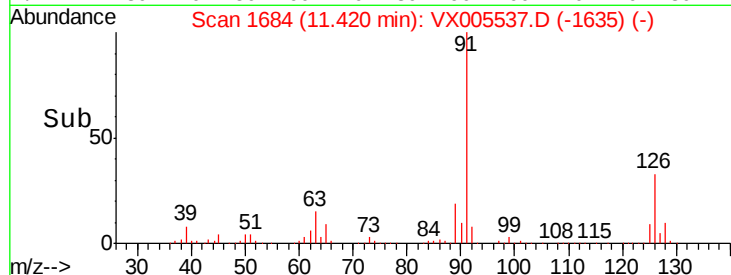
1000000

500000

0

11.40 11.42 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 147.630 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX005537.D

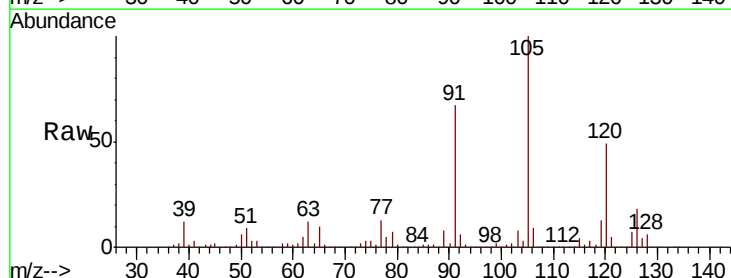
Acq: 24 Oct 2018 12:52

Tgt Ion:105 Resp: 1483423

Ion Ratio Lower Upper

105 100

120 48.9 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VX005535.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX005535.D (-1692) (-)

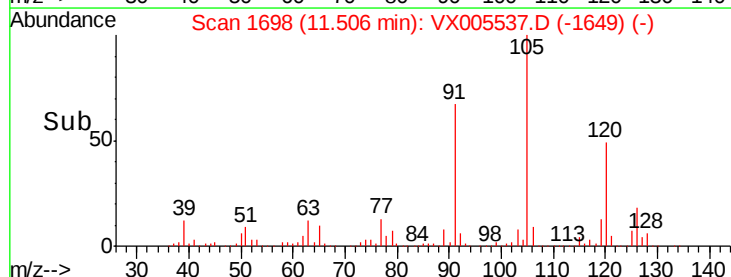
1000000

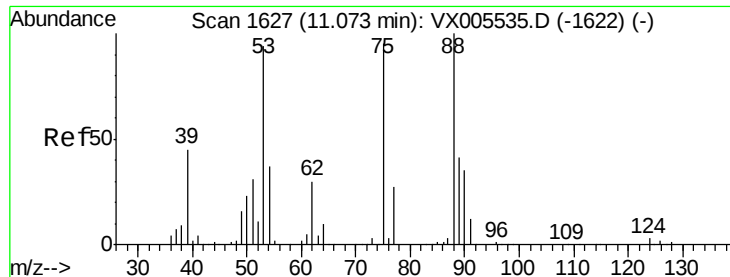
500000

0

11.50 11.51 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 170.332 ug/l

RT: 11.08 min Scan# 1628

Delta R.T. 0.01 min

Lab File: VX005537.D

Acq: 24 Oct 2018 12:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 212233

Ion Ratio Lower Upper

75 100

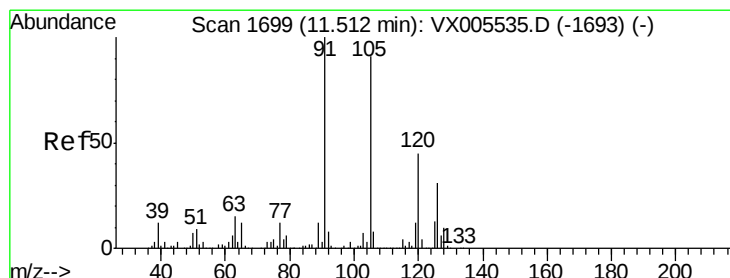
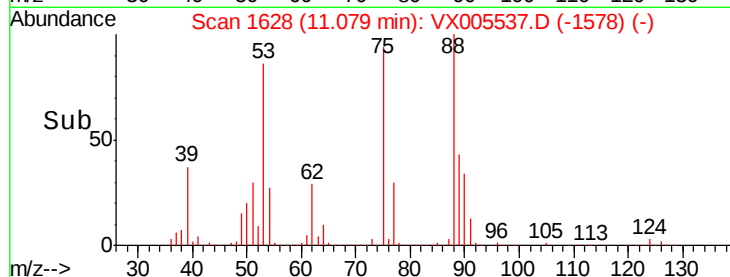
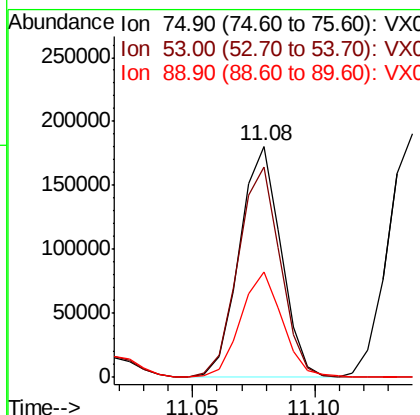
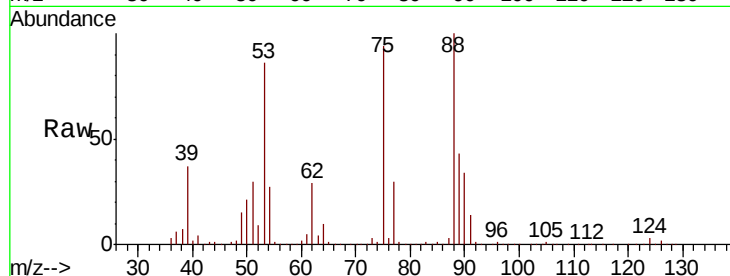
53 93.0 80.2 120.2

89 46.2 39.8 59.8

Manual Integrations
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MMDadoda

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#82

4-Chlorotoluene

Concen: 146.199 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX005537.D

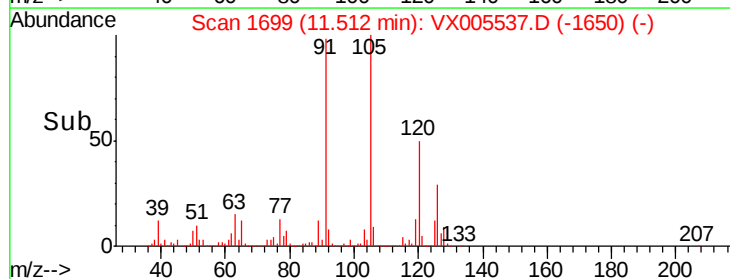
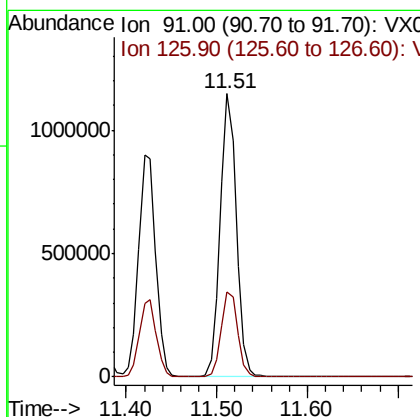
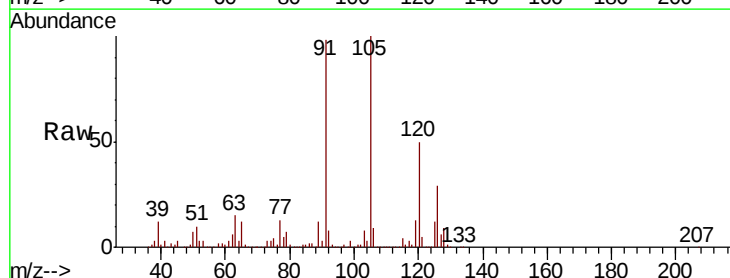
Acq: 24 Oct 2018 12:52

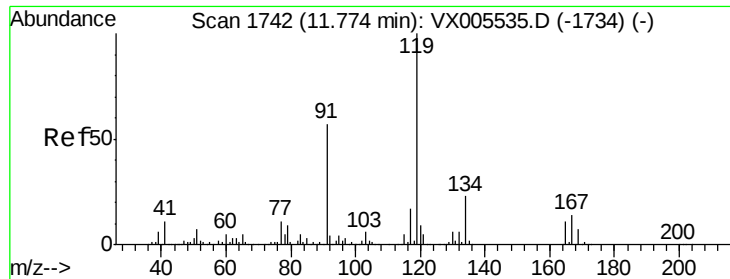
Tgt Ion: 91 Resp: 1435652

Ion Ratio Lower Upper

91 100

126 30.5 15.2 45.6





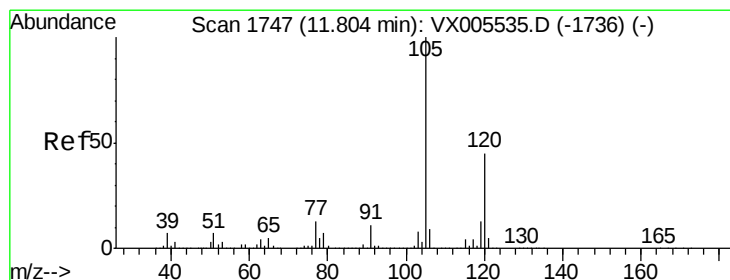
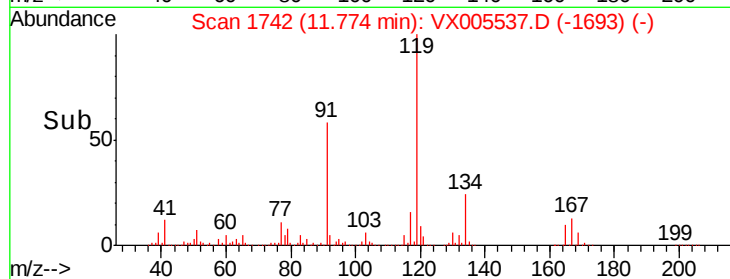
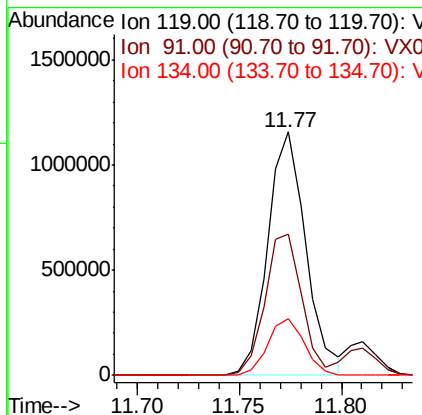
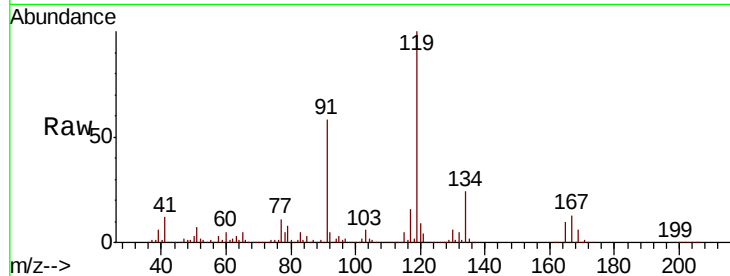
#83
 tert-Butylbenzene
 Concen: 150.629 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VX005537.D
 Acq: 24 Oct 2018 12:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
119	100		
91	56.2	28.5	85.5
134	22.6	11.3	33.8

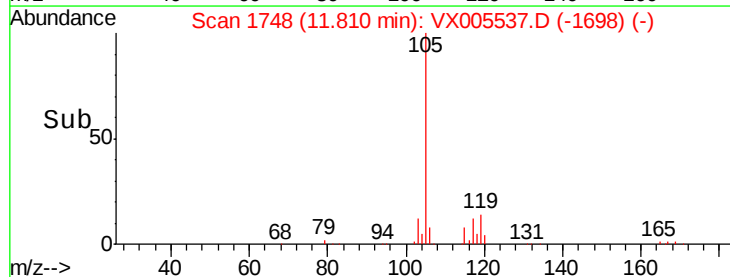
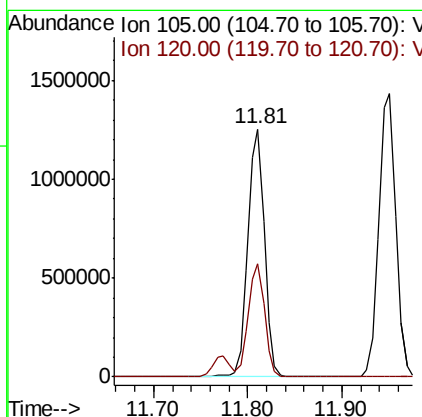
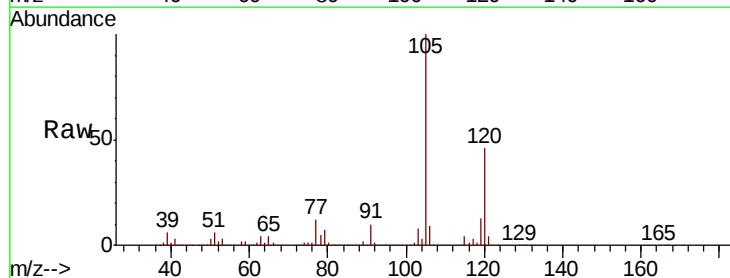
Manual Integrations
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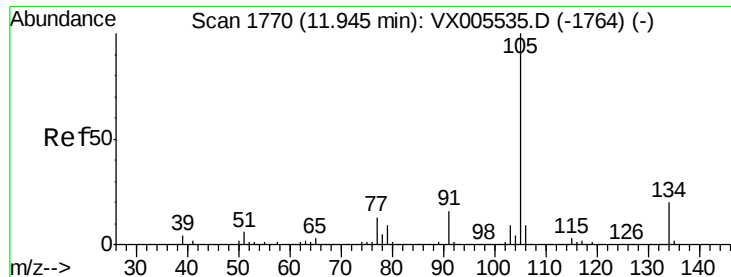
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 151.573 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.01 min
 Lab File: VX005537.D
 Acq: 24 Oct 2018 12:52

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.4	67.0





#85

sec-Butylbenzene

Concen: 149.655 ug/l

RT: 11.95 min Scan# 1771

Delta R.T. 0.01 min

Lab File: VX005537.D

Acq: 24 Oct 2018 12:52

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1788644

Ion Ratio Lower Upper

105 100

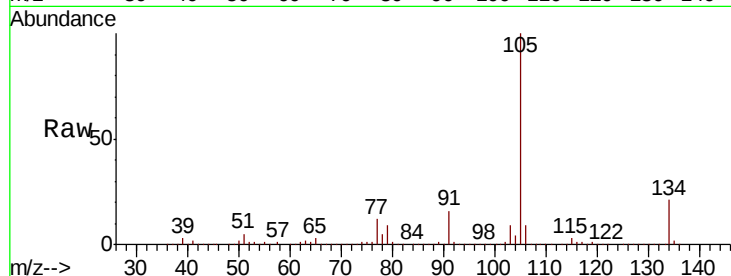
134 20.4 10.2 30.4

Manual Integrations

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MMDadoda

10/26/2018 11:53:19 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.95

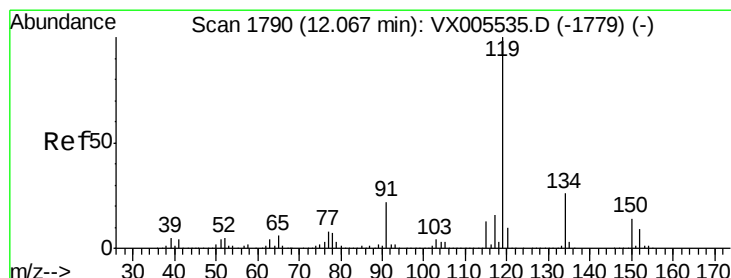
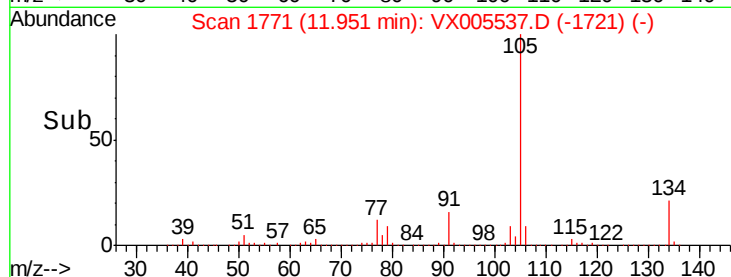
1500000

1000000

500000

0

Time-->



#86

p-Isopropyltoluene

Concen: 153.453 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX005537.D

Acq: 24 Oct 2018 12:52

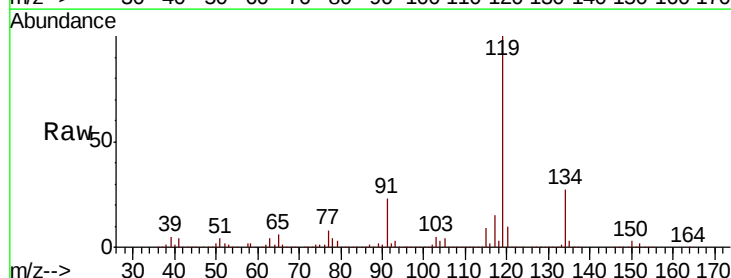
Tgt Ion:119 Resp: 1639516

Ion Ratio Lower Upper

119 100

134 26.4 13.0 39.0

91 23.2 11.4 34.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

2000000

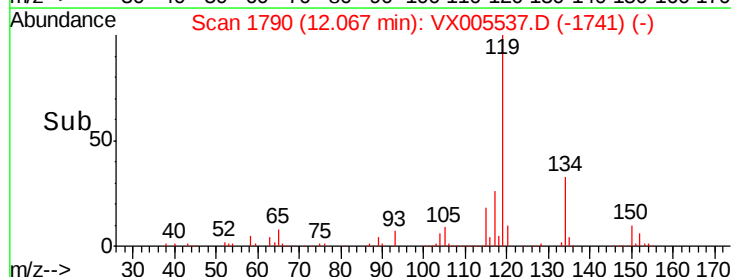
1500000

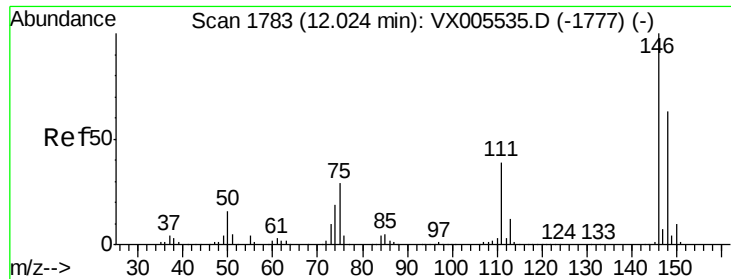
1000000

500000

0

Time-->





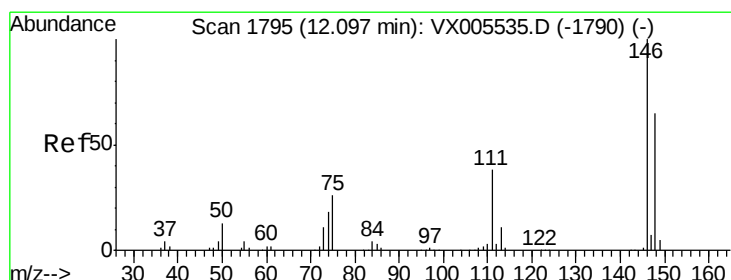
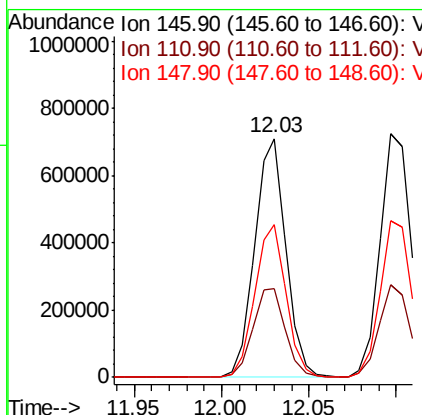
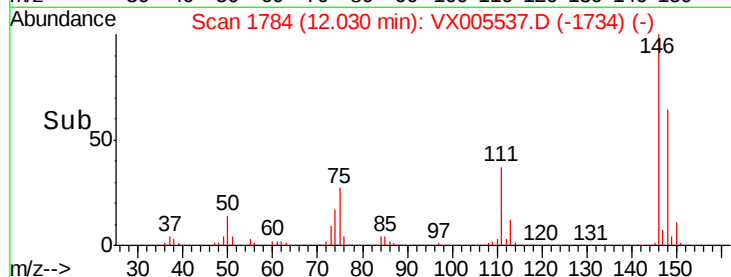
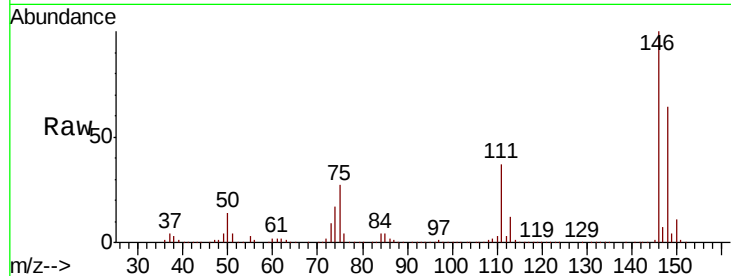
#87
 1,3-Dichlorobenzene
 Concen: 144.396 ug/l
 RT: 12.03 min Scan# 1784
 Delta R.T. 0.01 min
 Lab File: VX005537.D
 Acq: 24 Oct 2018 12:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.0	57.0
148	64.0	31.9	95.9

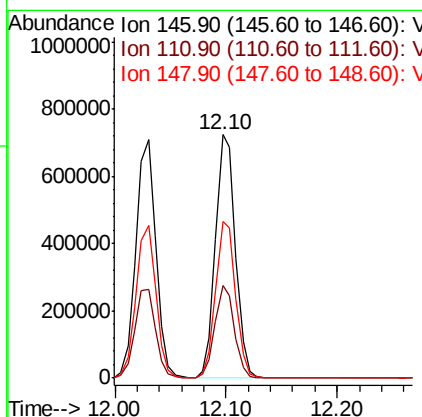
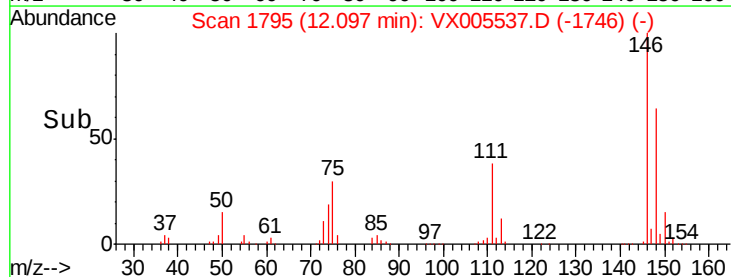
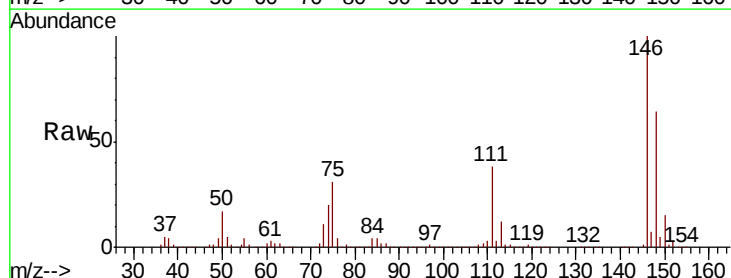
Manual Integrations
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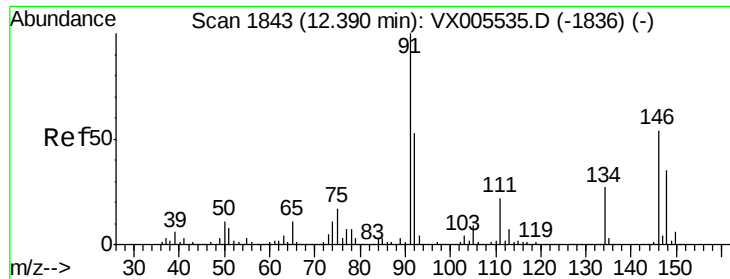
MMDadoda
 10/26/2018 11:53:19 AM



#88
 1,4-Dichlorobenzene
 Concen: 139.819 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005537.D
 Acq: 24 Oct 2018 12:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.6	55.8
148	64.3	32.1	96.3





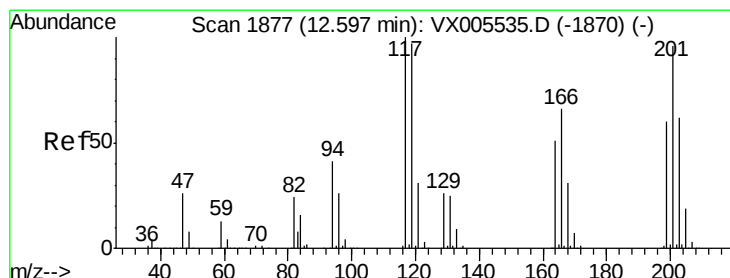
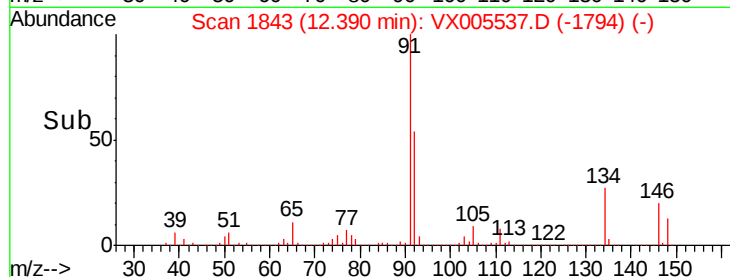
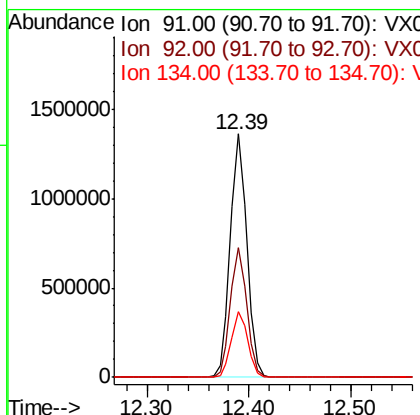
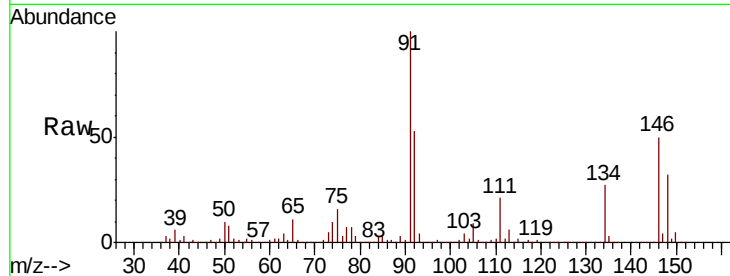
#89
n-Butylbenzene
Concen: 157.734 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005537.D
Acq: 24 Oct 2018 12:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 1521402
Ion Ratio Lower Upper
91 100
92 53.0 26.1 78.2
134 26.8 13.1 39.3

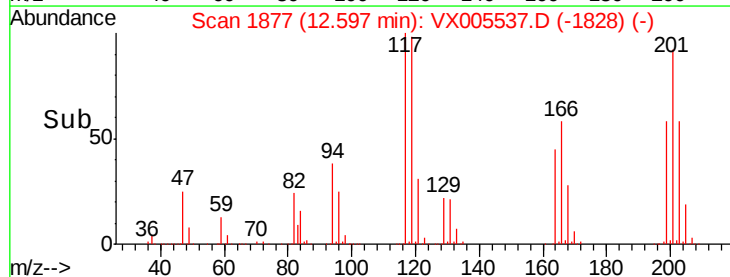
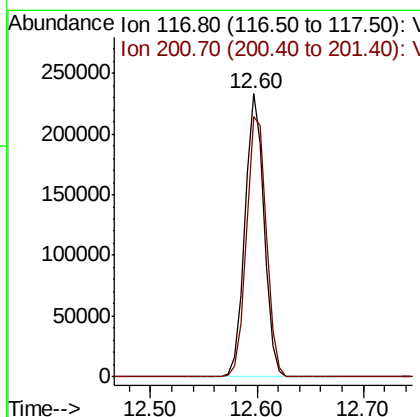
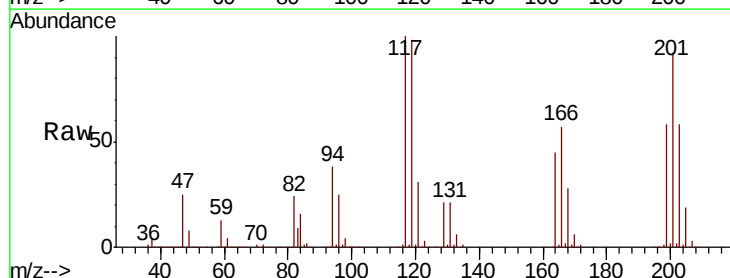
Manual Integrations
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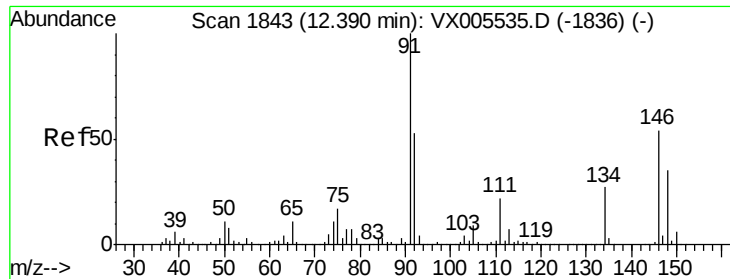
MMDadoda
10/26/2018 11:53:19 AM



#90
Hexachloroethane
Concen: 158.676 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005537.D
Acq: 24 Oct 2018 12:52

Tgt Ion: 117 Resp: 292397
Ion Ratio Lower Upper
117 100
201 96.0 47.9 143.6





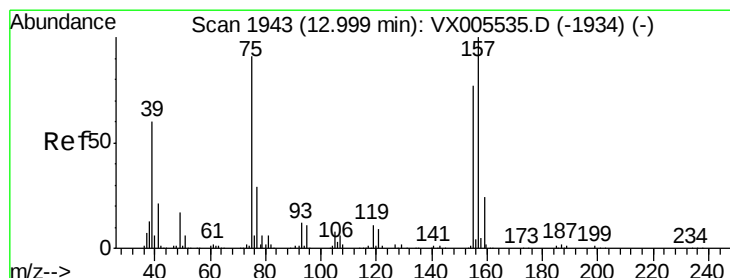
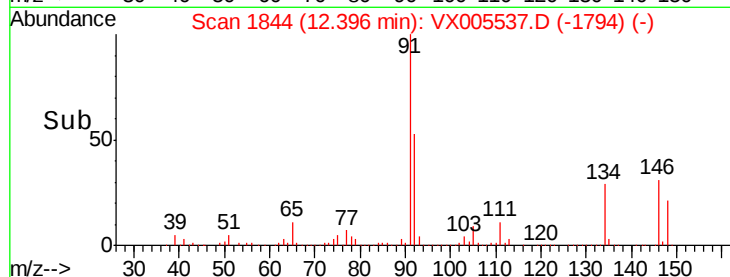
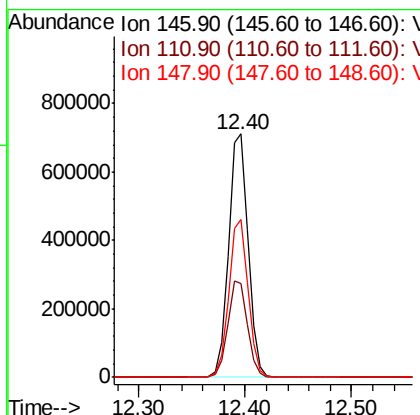
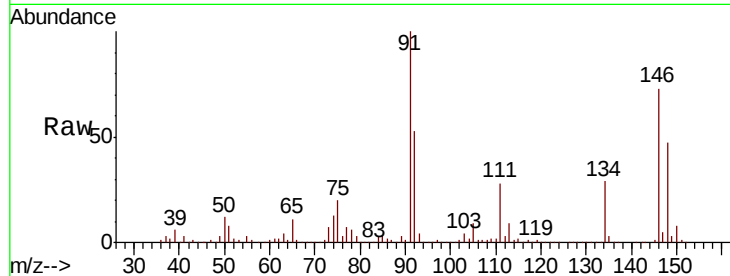
#91
 1,2-Dichlorobenzene
 Concen: 146.759 ug/l
 RT: 12.40 min Scan# 1844
 Delta R.T. 0.01 min
 Lab File: VX005537.D
 Acq: 24 Oct 2018 12:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.0	59.9
148	64.1	32.2	96.6

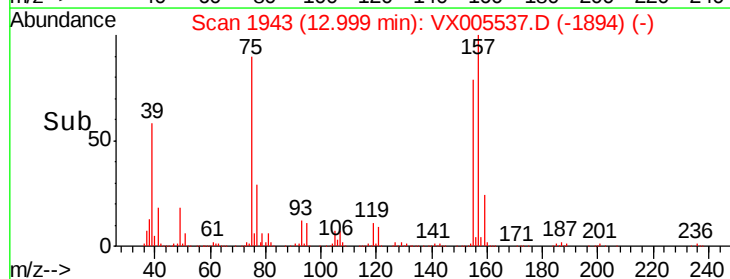
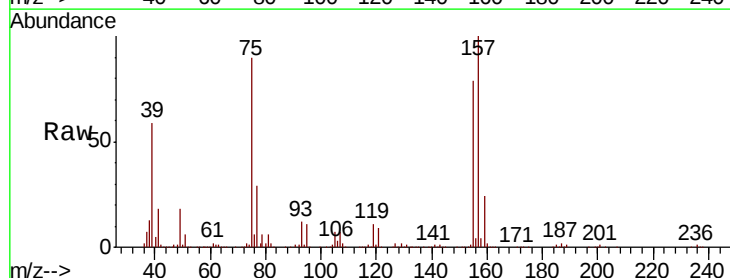
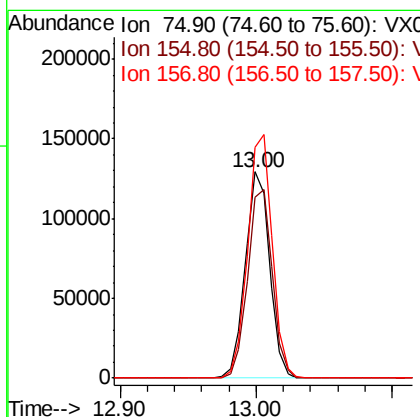
Manual Integrations
 APPROVED

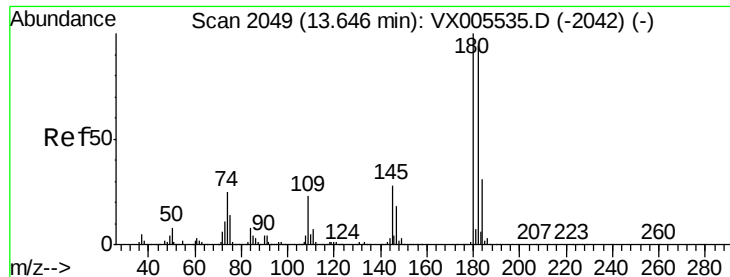
MMDadoda
 10/26/2018 11:53:19 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 154.576 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX005537.D
 Acq: 24 Oct 2018 12:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.2	45.4	136.1
157	118.8	57.4	172.0





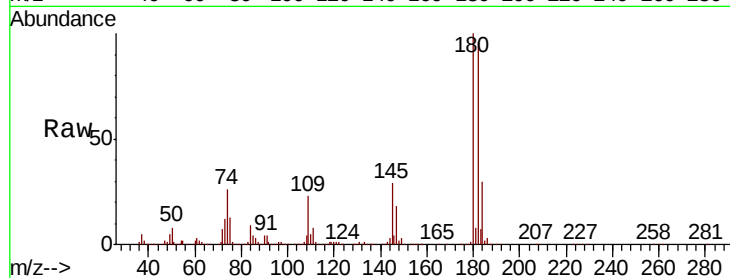
#93
 1,2,4-Trichlorobenzene
 Concen: 153.515 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005537.D
 Acq: 24 Oct 2018 12:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	693071		
182	95.9	47.6	142.8	
145	28.3	14.1	42.2	

Manual Integrations
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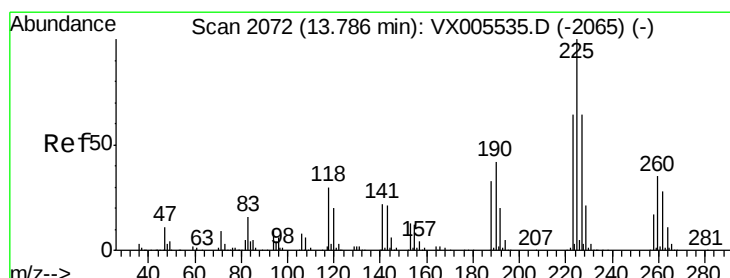
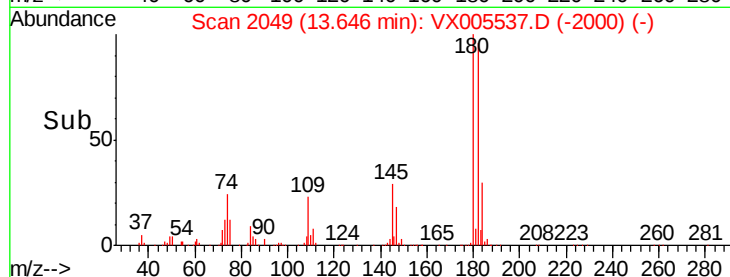
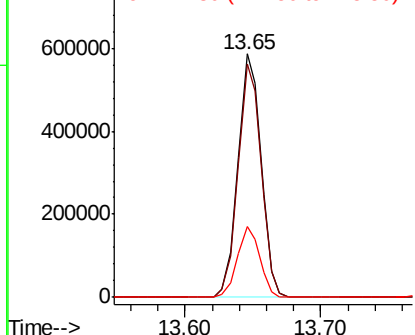


Abundance

Ion 179.80 (179.50 to 180.50): V

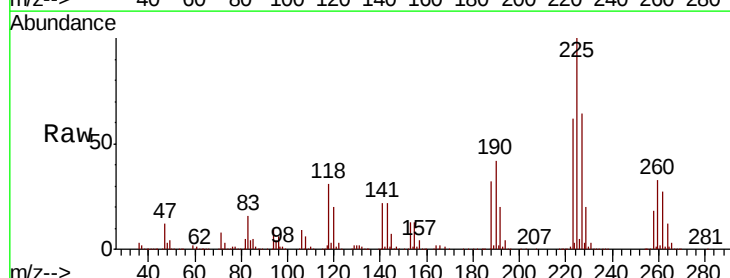
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 143.686 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX005537.D
 Acq: 24 Oct 2018 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	336169		
223	62.3	31.7	95.1	
227	63.5	32.3	96.9	

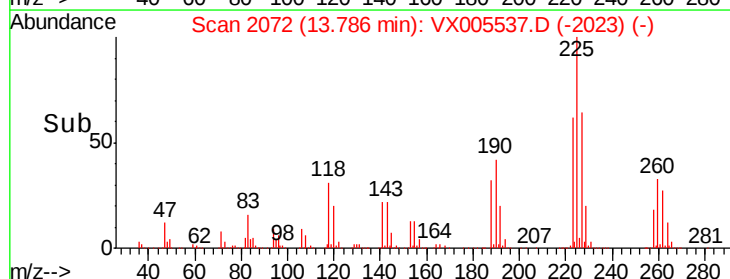
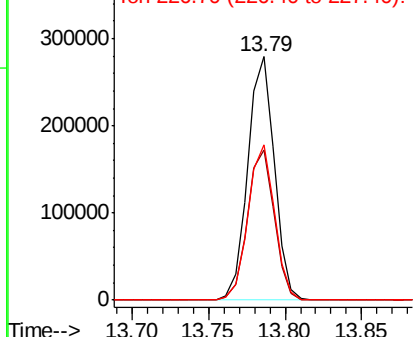


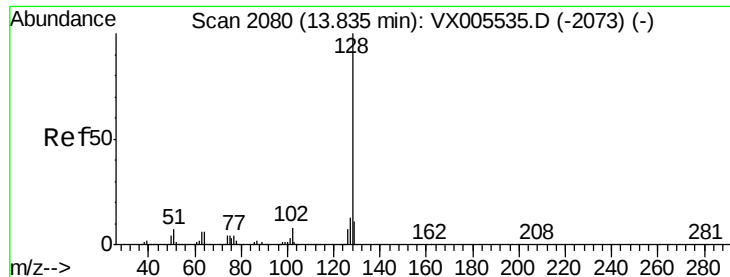
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





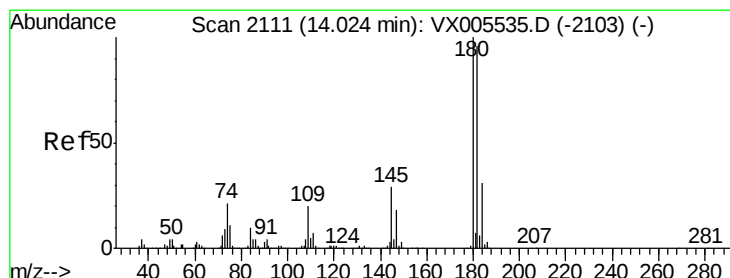
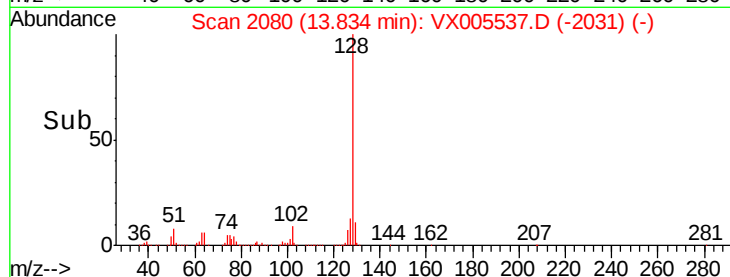
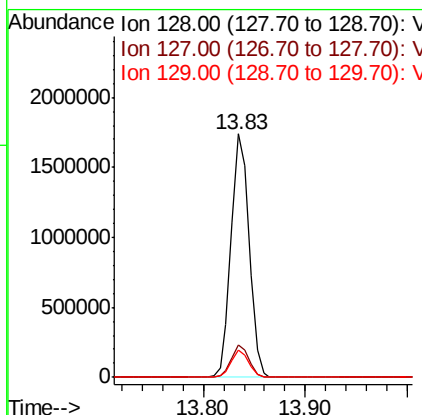
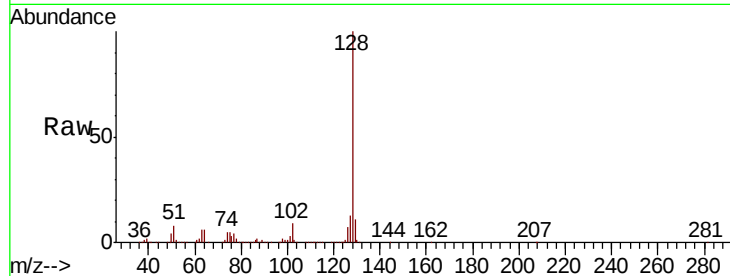
#95
Naphthalene
Concen: 161.153 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX005537.D
Acq: 24 Oct 2018 12:52

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.0	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 150.645 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VX005537.D
Acq: 24 Oct 2018 12:52

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	48.0	144.2
145	29.7	15.1	45.3

