

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101918\
 Data File : VX005445.D
 Acq On : 19 Oct 2018 09:20
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/22/2018 11:06:47 AM

Quant Time: Oct 20 04:27:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	325256	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	446430	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	388421	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	228489	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	156439	43.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.68%	
35) Dibromofluoromethane	5.50	113	139440	47.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.32%	
50) Toluene-d8	8.72	98	485052	47.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.56%	
62) 4-Bromofluorobenzene	11.14	95	189730	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	123427	48.534	ug/l	95
3) Chloromethane	1.32	50	161789	43.906	ug/l #	88
4) Vinyl Chloride	1.41	62	173056	46.360	ug/l	97
5) Bromomethane	1.64	94	104150	49.408	ug/l	91
6) Chloroethane	1.71	64	103427	46.610	ug/l	96
7) Trichlorofluoromethane	1.92	101	241154	48.411	ug/l	98
8) Diethyl Ether	2.19	74	107401	50.489	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	149391	51.959	ug/l	95
10) Methyl Iodide	2.51	142	184681	58.154	ug/l	100
11) Tert butyl alcohol	3.09	59	245460	241.053	ug/l	100
12) 1,1-Dichloroethene	2.37	96	140962	49.483	ug/l	88
13) Acrolein	2.29	56	138400	212.670	ug/l	99
14) Allyl chloride	2.73	41	291973	46.683	ug/l	97
15) Acrylonitrile	3.15	53	535440	232.043	ug/l	98
16) Acetone	2.45	43	485966	232.835	ug/l	96
17) Carbon Disulfide	2.57	76	369934	42.868	ug/l	98
18) Methyl Acetate	2.78	43	291477	49.087	ug/l	97
19) Methyl tert-butyl Ether	3.21	73	519746	51.804	ug/l	92
20) Methylene Chloride	2.86	84	158156	52.059	ug/l	93
21) trans-1,2-Dichloroethene	3.16	96	142510	45.141	ug/l	100
22) Diisopropyl ether	3.87	45	534315	50.863	ug/l	92
23) Vinyl Acetate	3.82	43	2376207	258.796	ug/l #	94
24) 1,1-Dichloroethane	3.69	63	292629	48.605	ug/l	98
25) 2-Butanone	4.70	43	747026	244.624	ug/l	98
26) 2,2-Dichloropropane	4.59	77	245788	54.587	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	172115	50.165	ug/l	99
28) Bromochloromethane	5.01	49	130618	47.591	ug/l	98
29) Tetrahydrofuran	5.16	42	453956	233.047	ug/l	98
30) Chloroform	5.21	83	273379	48.921	ug/l	91
31) Cyclohexane	5.58	56	242916	48.953	ug/l #	82
32) 1,1,1-Trichloroethane	5.49	97	242697	49.913	ug/l	97
36) 1,1-Dichloropropene	5.80	75	198651	45.945	ug/l	99
37) Ethyl Acetate	4.86	43	269489	48.466	ug/l	99
38) Carbon Tetrachloride	5.79	117	205542	47.313	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	236055	50.445	ug/l	97
40) Benzene	6.14	78	593604	45.767	ug/l	98
41) Methacrylonitrile	5.06	41	144666	48.530	ug/l	97
42) 1,2-Dichloroethane	6.19	62	203357	44.404	ug/l	97
43) Isopropyl Acetate	6.46	43	379599	51.250	ug/l	98
44) Trichloroethene	7.21	130	156691	47.281	ug/l	98
45) 1,2-Dichloropropane	7.52	63	156974	49.339	ug/l	98
46) Dibromomethane	7.66	93	97901	46.623	ug/l	97
47) Bromodichloromethane	7.90	83	187540	48.284	ug/l	99
48) Methyl methacrylate	7.77	41	186910	48.655	ug/l	96
49) 1,4-Dioxane	7.76	88	83325	940.408	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	1278202	249.229	ug/l	97
52) Toluene	8.79	92	356347	50.219	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	219844	52.301	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	236003	51.817	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	149650	49.793	ug/l	98
56) Ethyl methacrylate	9.18	69	239184	54.591	ug/l	97
57) 1,3-Dichloropropane	9.37	76	247603	49.359	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	663839	270.165	ug/l	96
59) 2-Hexanone	9.50	43	1040404	252.189	ug/l	95
60) Dibromochloromethane	9.59	129	159966	51.491	ug/l	100
61) 1,2-Dibromoethane	9.67	107	154734	49.057	ug/l	99
64) Tetrachloroethene	9.34	164	159787	51.099	ug/l	99
65) Chlorobenzene	10.14	112	415019	50.231	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.22	131	152220	51.700	ug/l	98
67) Ethyl Benzene	10.25	91	701888	52.257	ug/l	97
68) m/p-Xylenes	10.36	106	552052	105.893	ug/l	96
69) o-Xylene	10.70	106	266926	53.089	ug/l	98
70) Styrene	10.71	104	449001	54.294	ug/l	97
71) Bromoform	10.86	173	139153	52.887	ug/l	98
73) Isopropylbenzene	11.02	105	728714	53.649	ug/l	100
74) N-amyl acetate	10.90	43	344303	52.555	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.27	83	250357	48.861	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	232161m	52.382	ug/l	
77) Bromobenzene	11.26	156	198391	51.083	ug/l	99
78) n-propylbenzene	11.36	91	840938	53.801	ug/l	99
79) 2-Chlorotoluene	11.42	91	496826	51.901	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	629947	54.158	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	78020	53.488	ug/l	94
82) 4-Chlorotoluene	11.51	91	592308	52.197	ug/l	99
83) tert-Butylbenzene	11.77	119	639085	54.257	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	653407	54.586	ug/l	98
85) sec-Butylbenzene	11.94	105	765781	54.937	ug/l	99
86) p-Isopropyltoluene	12.07	119	699217	55.498	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	375746	51.775	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	381420	51.375	ug/l	99
89) n-Butylbenzene	12.39	91	633200	55.352	ug/l	98
90) Hexachloroethane	12.60	117	111973	51.569	ug/l	93
91) 1,2-Dichlorobenzene	12.39	146	377632	50.991	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	59405	47.529	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	300115	55.235	ug/l	99
94) Hexachlorobutadiene	13.79	225	155455	54.172	ug/l	97
95) Naphthalene	13.83	128	881553	55.945	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	299416	53.857	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX005445.D

Acq: 19 Oct 2018 09:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 325256

Ion Ratio Lower Upper

168 100

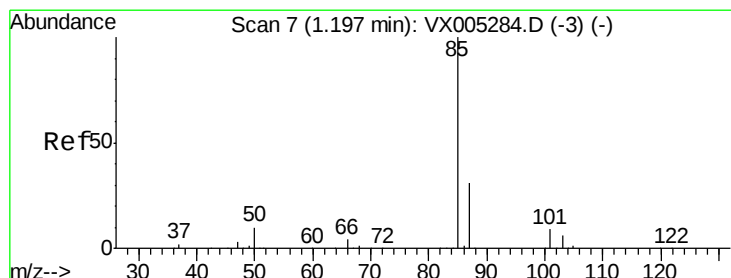
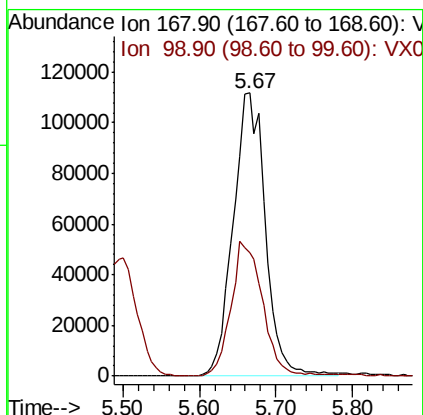
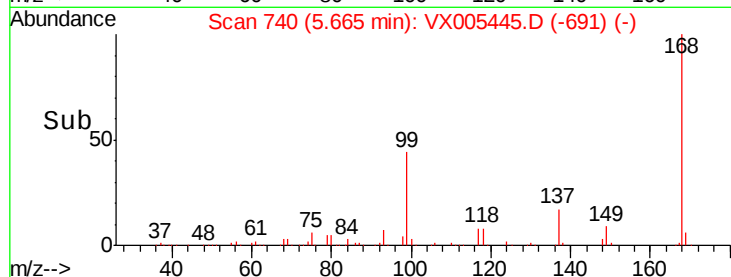
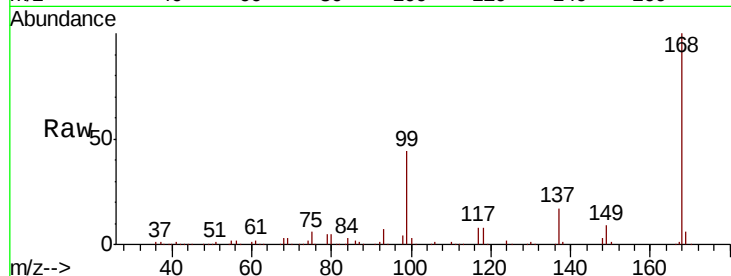
99 43.6 39.9 59.9

Manual Integrations

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10/22/2018 11:06:47 AM



#2

Dichlorodifluoromethane

Concen: 48.534 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX005445.D

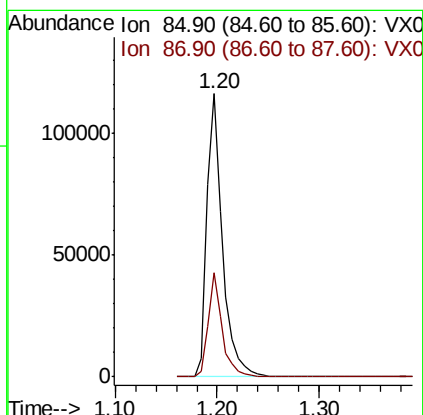
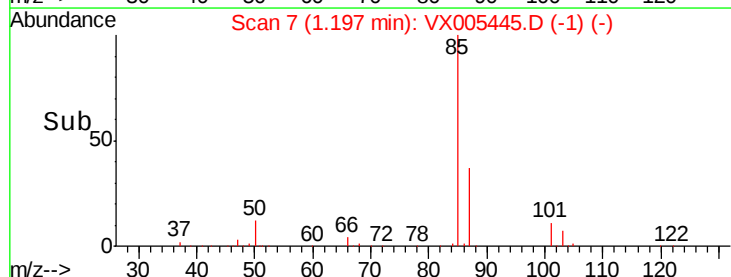
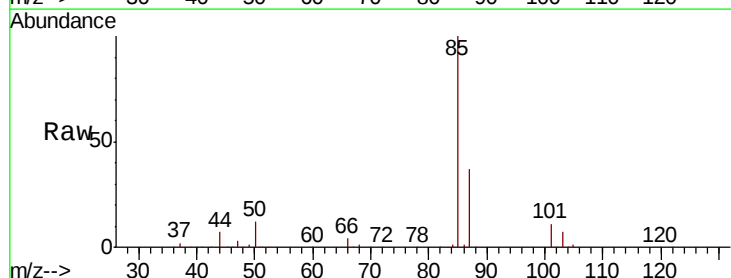
Acq: 19 Oct 2018 09:20

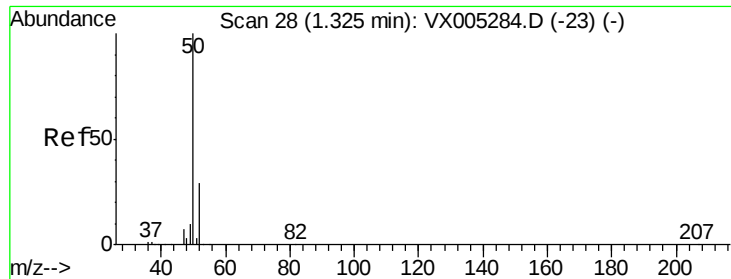
Tgt Ion: 85 Resp: 123427

Ion Ratio Lower Upper

85 100

87 36.6 17.0 50.9





#3

Chloromethane

Concen: 43.906 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX005445.D

Acq: 19 Oct 2018 09:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 161789

Ion Ratio Lower Upper

50 100

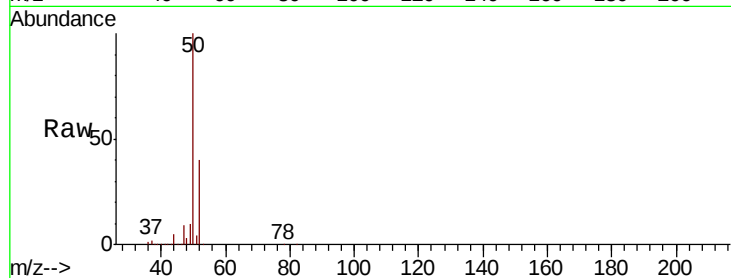
52 39.7 26.2 39.2#

Manual Integrations

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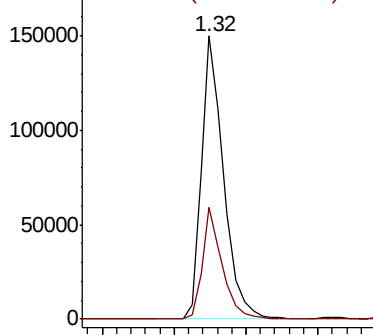
MMDadoda

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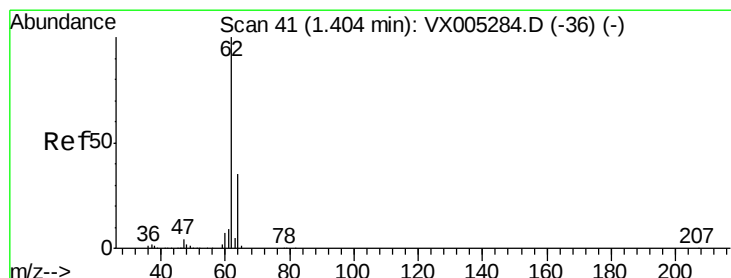
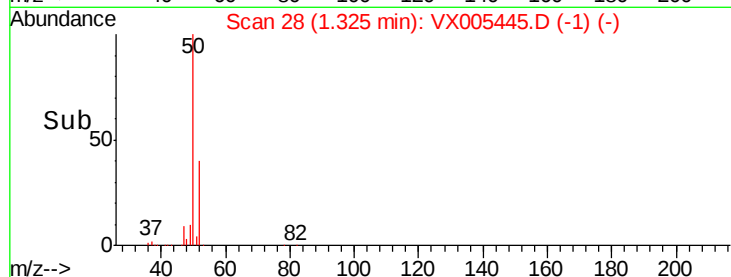


Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



Time-->



#4

Vinyl Chloride

Concen: 46.360 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX005445.D

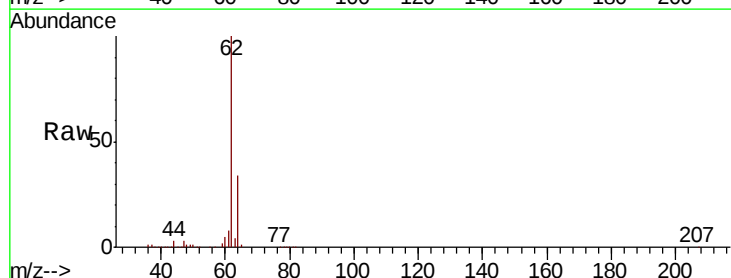
Acq: 19 Oct 2018 09:20

Tgt Ion: 62 Resp: 173056

Ion Ratio Lower Upper

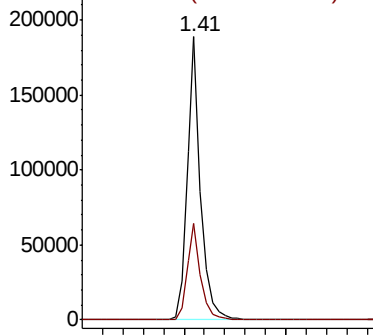
62 100

64 34.0 25.8 38.8

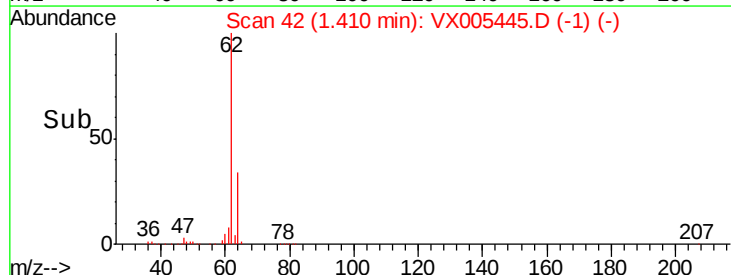


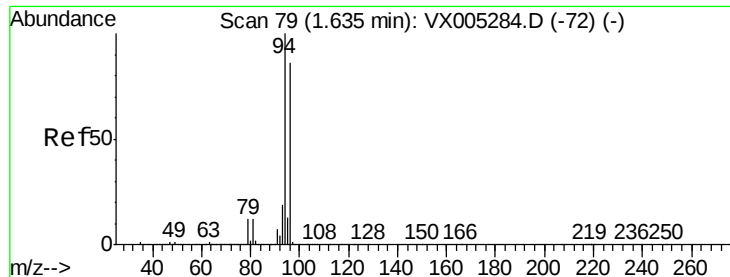
Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



Time-->





#5

Bromomethane

Concen: 49.408 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005445.D

Acq: 19 Oct 2018 09:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 104150

Ion Ratio Lower Upper

94 100

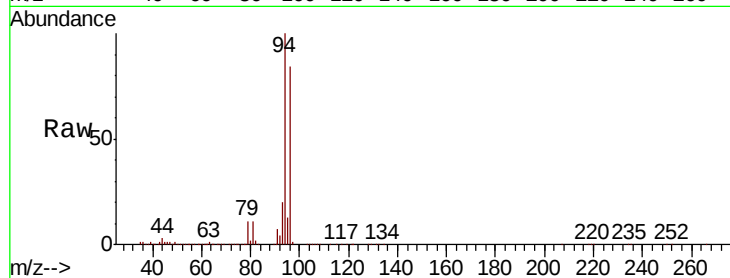
96 84.0 74.5 111.7

Manual Integrations

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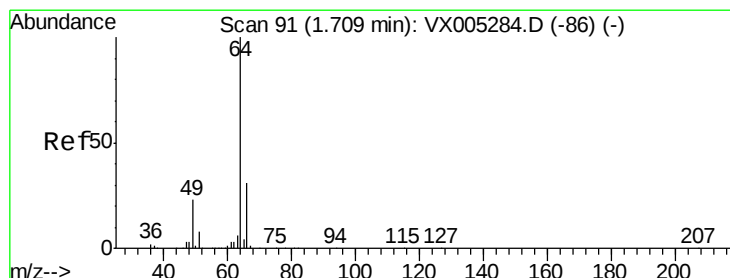
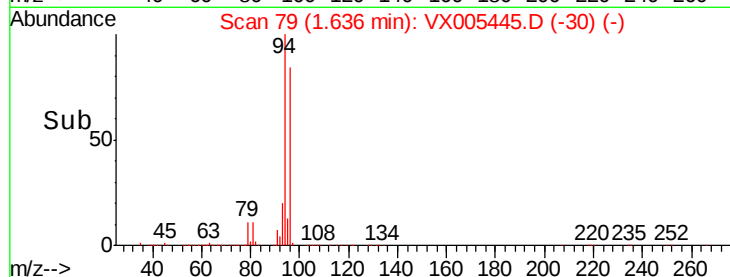
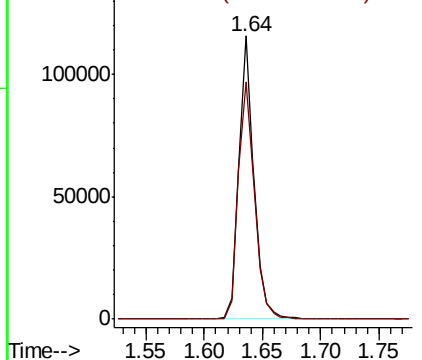
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 46.610 ug/l

RT: 1.71 min Scan# 91

Delta R.T. 0.00 min

Lab File: VX005445.D

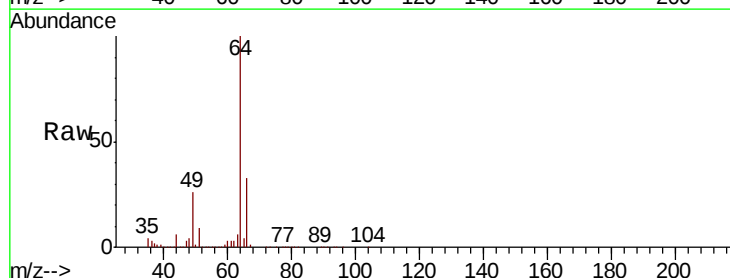
Acq: 19 Oct 2018 09:20

Tgt Ion: 64 Resp: 103427

Ion Ratio Lower Upper

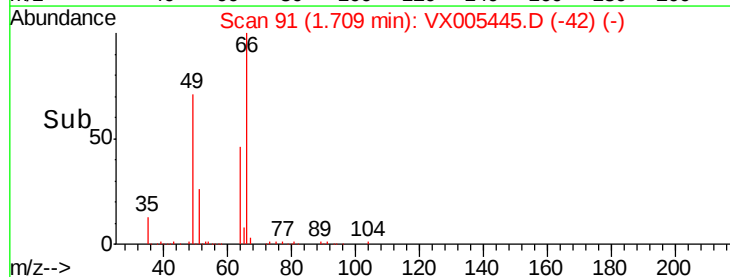
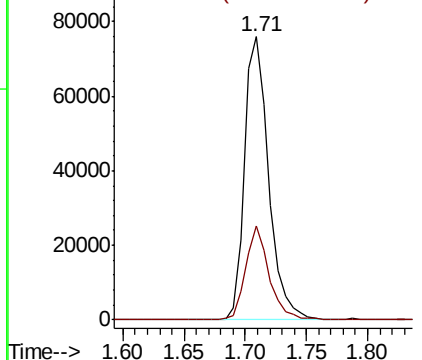
64 100

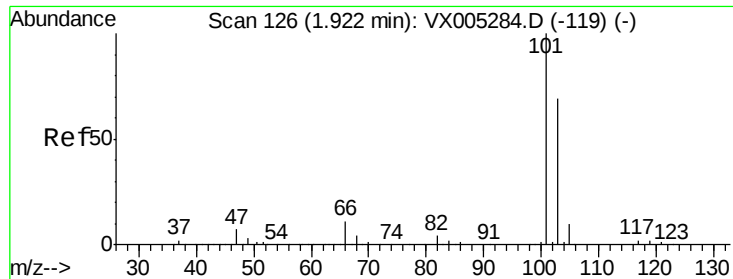
66 33.0 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

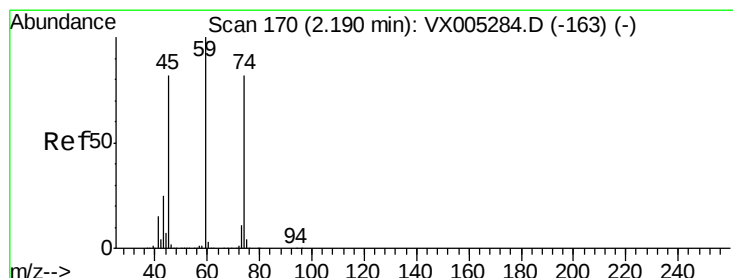
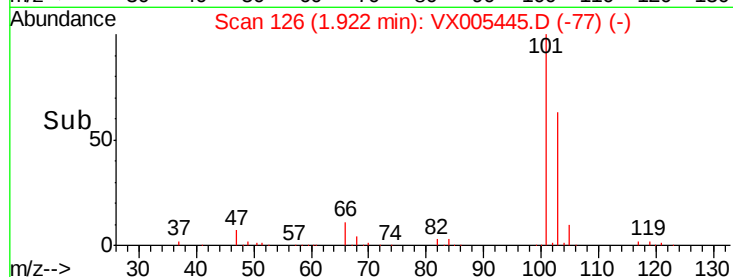
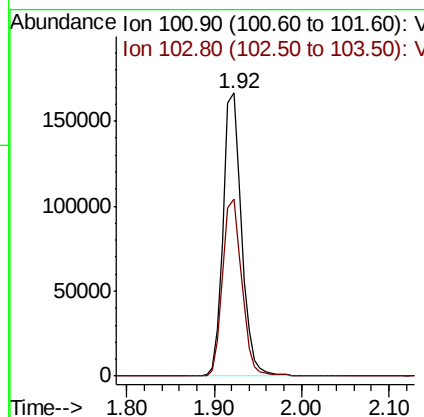
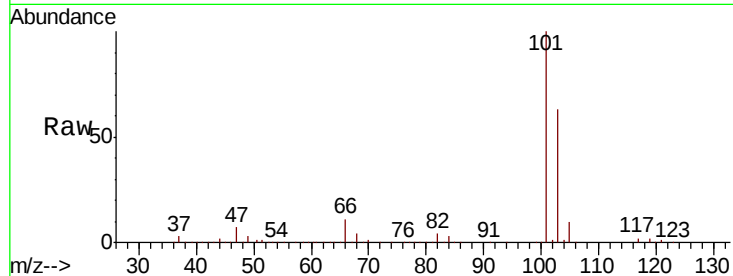
Trichlorofluoromethane
Concen: 48.411 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX005445.D
Acq: 19 Oct 2018 09:20

Instrument :
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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.8	48.9	73.3

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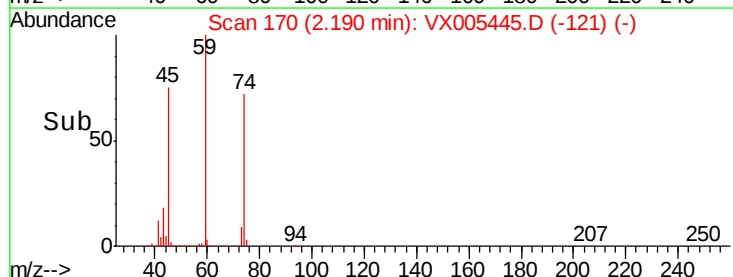
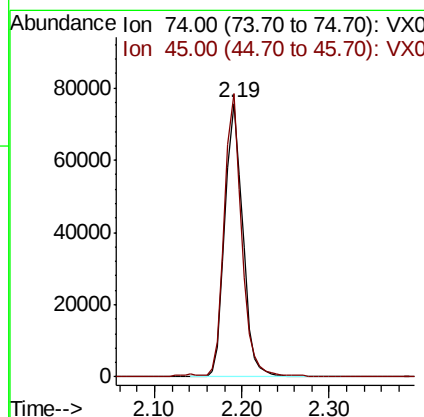
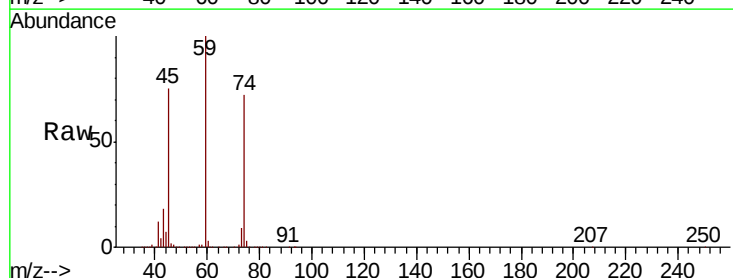
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10/22/2018 11:06:47 AM

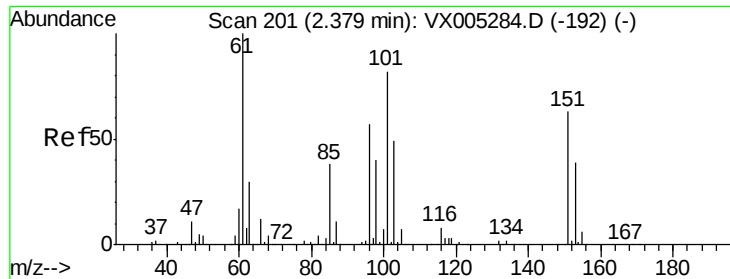


#8

Diethyl Ether
Concen: 50.489 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX005445.D
Acq: 19 Oct 2018 09:20

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.6	48.3	144.8





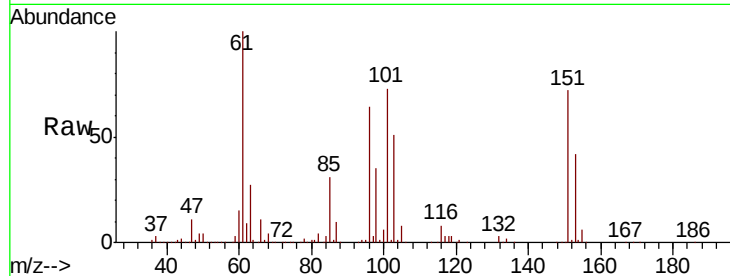
#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.959 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.00 min
Lab File: VX005445.D
Acq: 19 Oct 2018 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	149391		
85	42.8	34.2	51.4	
151	87.9	65.0	97.6	

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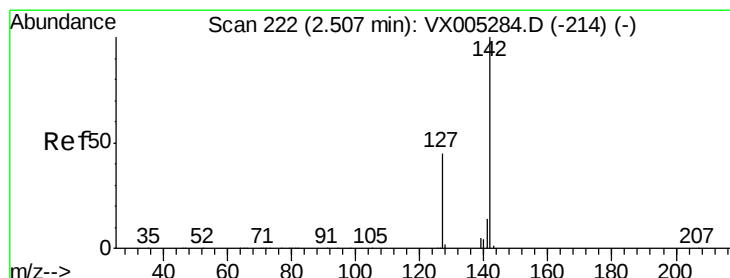
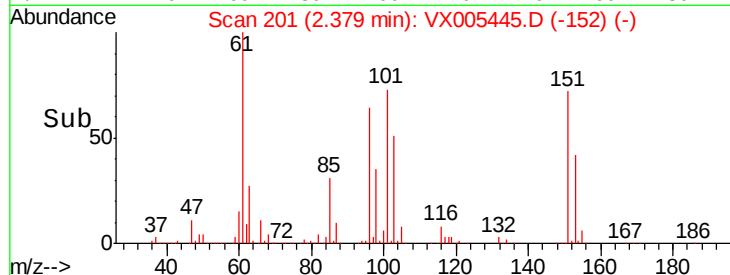
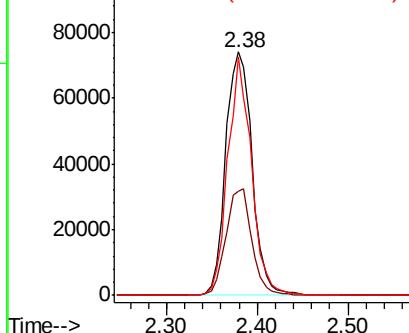


Abundance

Ion 100.90 (100.60 to 101.60): V

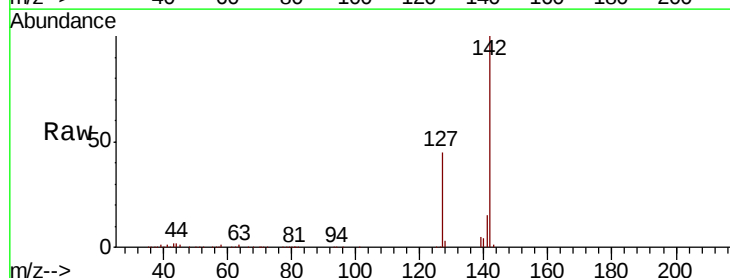
Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10
Methyl Iodide
Concen: 58.154 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX005445.D
Acq: 19 Oct 2018 09:20

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	184681		
127	42.2	33.8	50.6	
141	13.9	11.4	17.0	

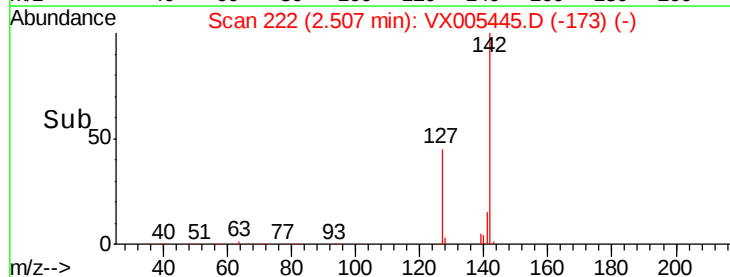
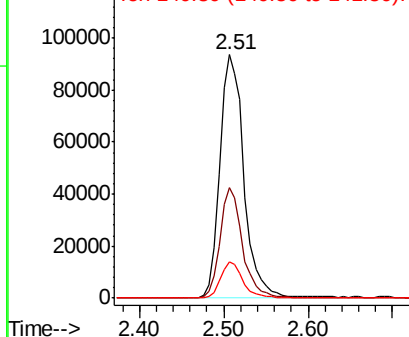


Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

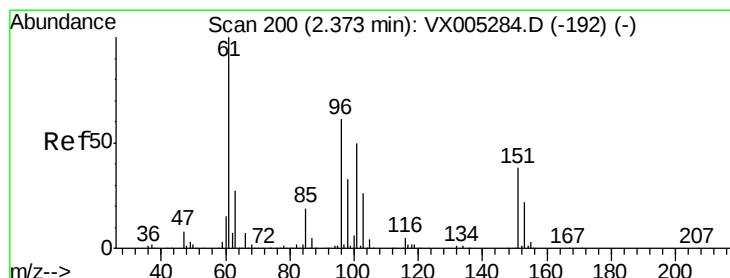
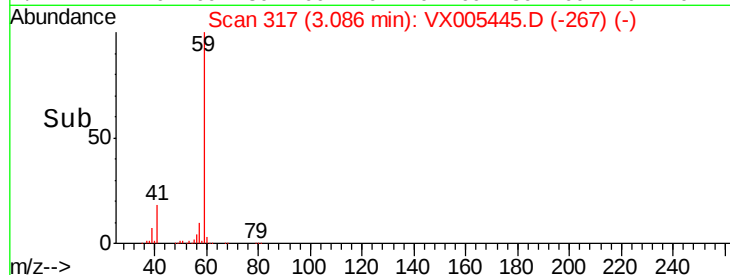
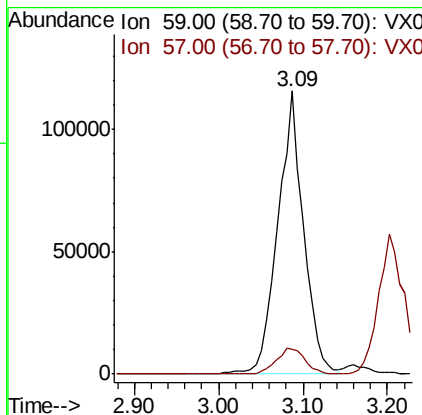
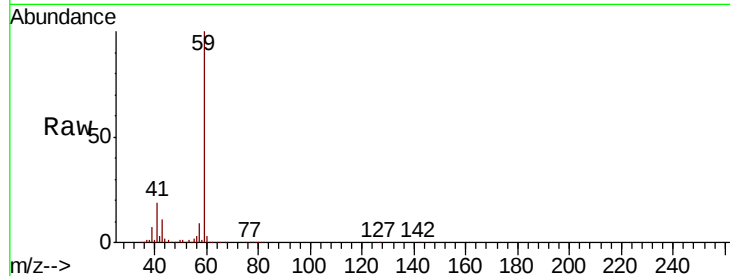
Tert butyl alcohol
Concen: 241.053 ug/l
RT: 3.09 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX005445.D
Acq: 19 Oct 2018 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.2	12.4

Manual Integrations
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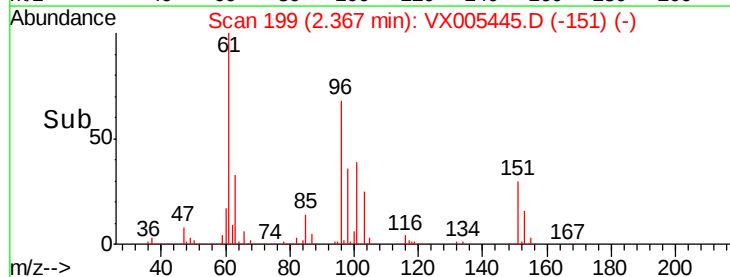
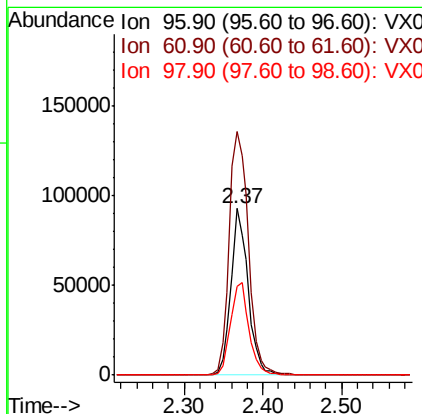
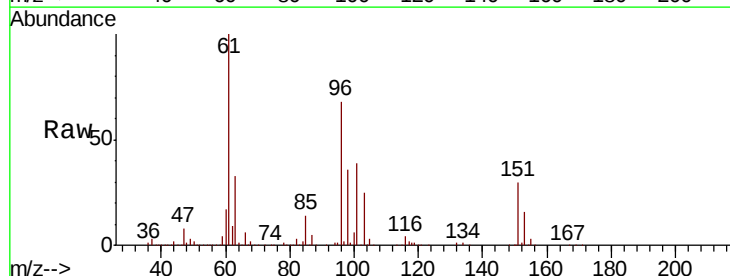
MMDadoda
10/22/2018 11:06:47 AM

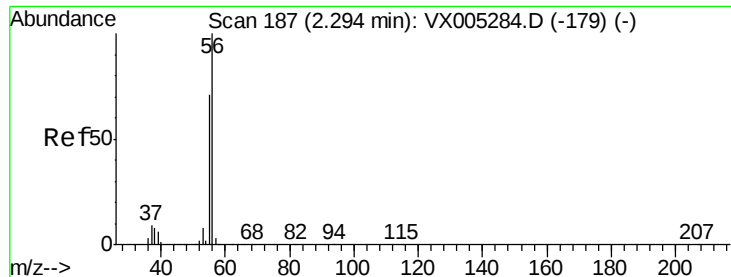


#12

1,1-Dichloroethene
Concen: 49.483 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX005445.D
Acq: 19 Oct 2018 09:20

Tgt Ion	Ratio	Lower	Upper
96	100		
61	146.3	128.8	193.2
98	53.2	52.2	78.2





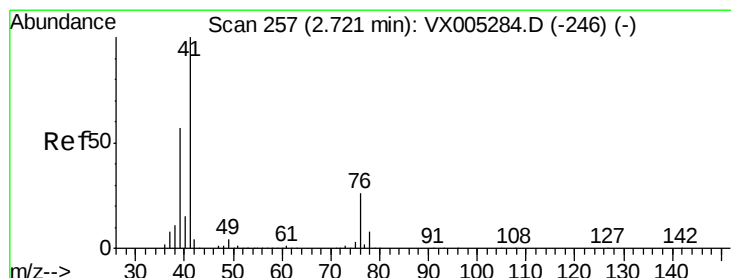
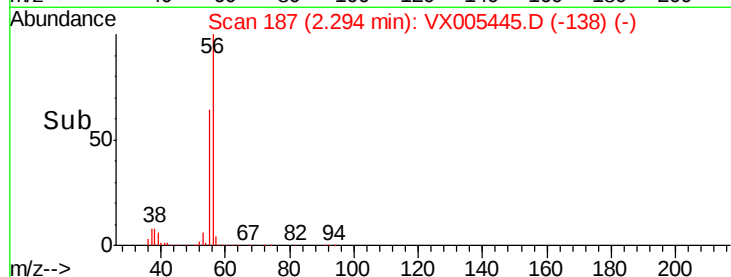
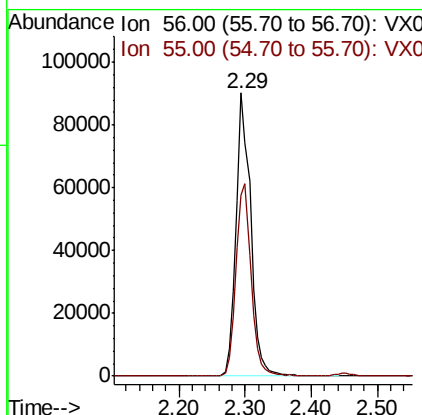
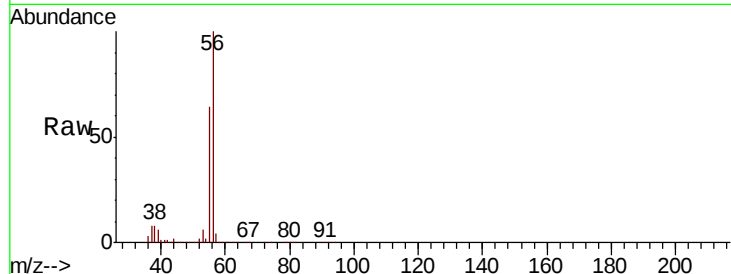
#13
Acrolein
Concen: 212.670 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX005445.D
Acq: 19 Oct 2018 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	69.5	54.7	82.1

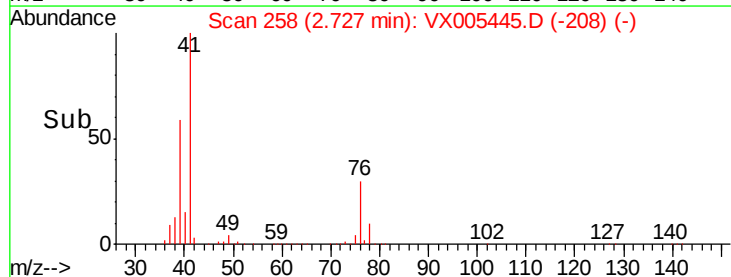
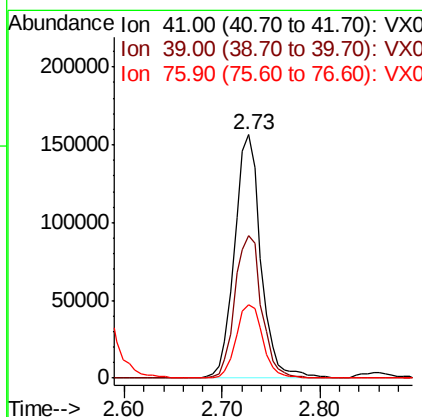
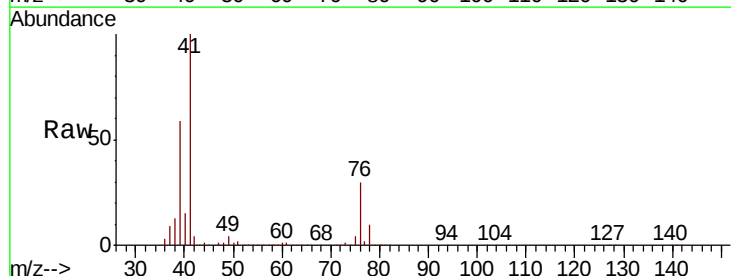
Manual Integrations
APPROVED

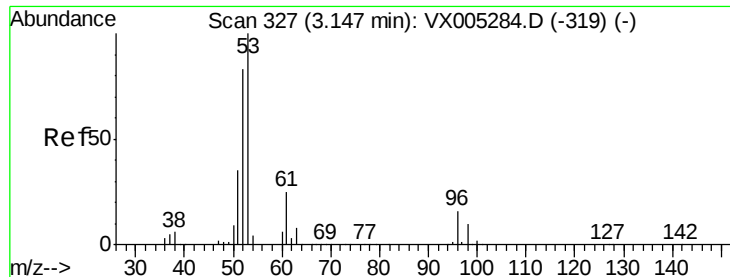
MMDadoda
10/22/2018 11:06:47 AM



#14
Allyl chloride
Concen: 46.683 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.01 min
Lab File: VX005445.D
Acq: 19 Oct 2018 09:20

Tgt Ion	Ratio	Lower	Upper
41	100		
39	59.6	48.9	73.3
76	30.6	26.7	40.1





#15

Acrylonitrile

Concen: 232.043 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX005445.D

Acq: 19 Oct 2018 09:20

Instrument :

MSVOA_X

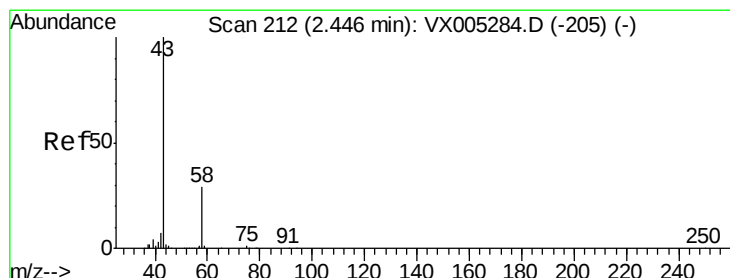
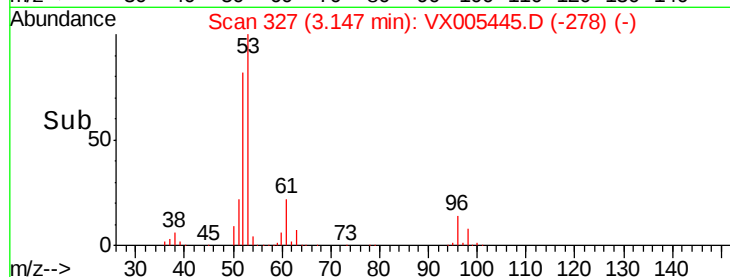
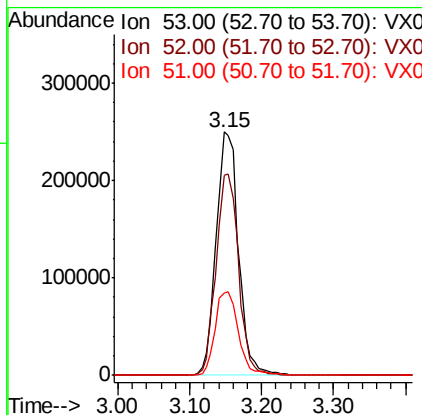
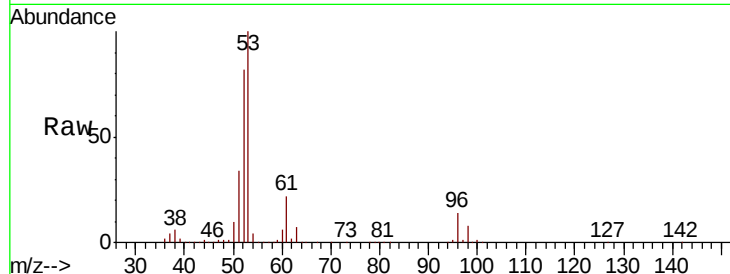
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	535440
Ion	Ratio	Lower	Upper
53	100		
52	83.8	65.2	97.8
51	36.0	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 232.835 ug/l

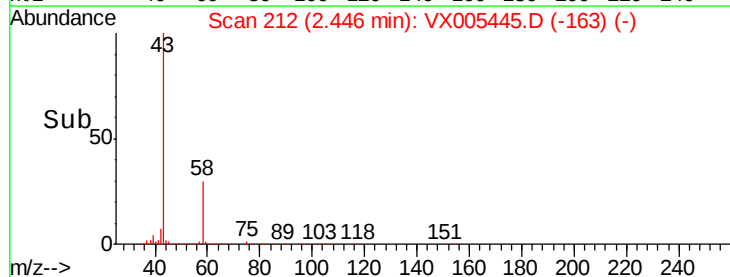
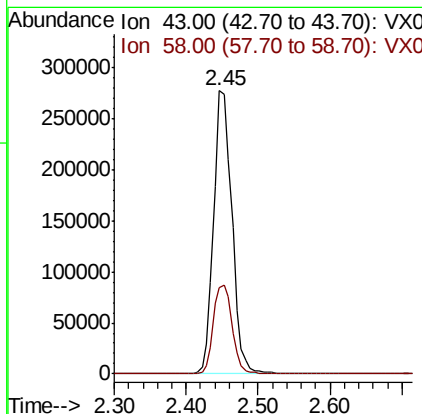
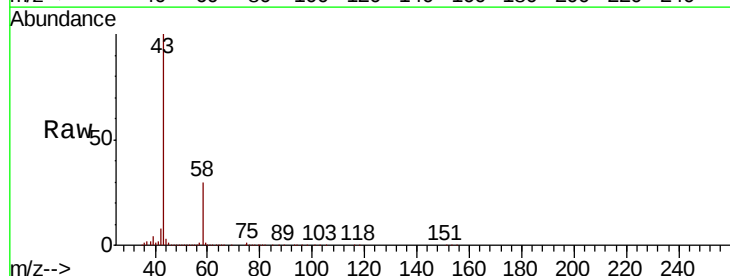
RT: 2.45 min Scan# 212

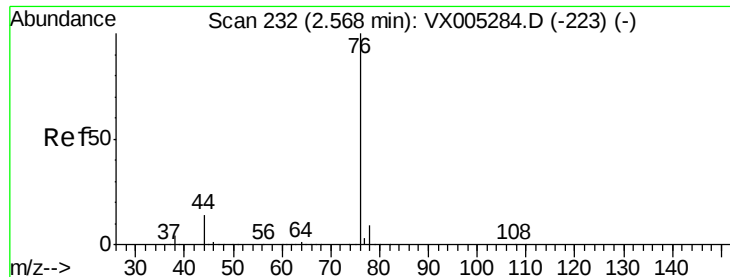
Delta R.T. 0.00 min

Lab File: VX005445.D

Acq: 19 Oct 2018 09:20

Tgt Ion:	43	Resp:	485966
Ion	Ratio	Lower	Upper
43	100		
58	30.3	26.2	39.4





#17

Carbon Disulfide

Concen: 42.868 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX005445.D

Acq: 19 Oct 2018 09:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 369934

Ion Ratio Lower Upper

76 100

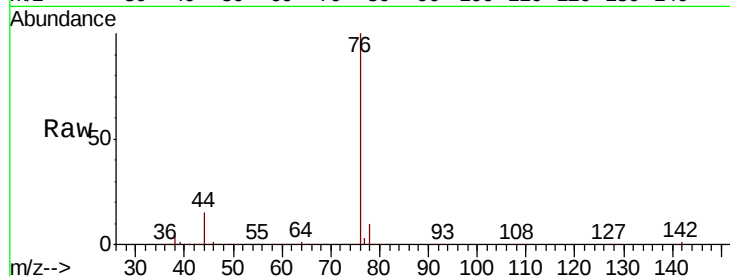
78 9.6 7.0 10.6

Manual Integrations

APPROVED

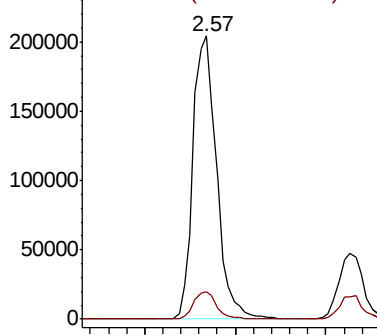
MMDadoda

10/22/2018 11:06:47 AM

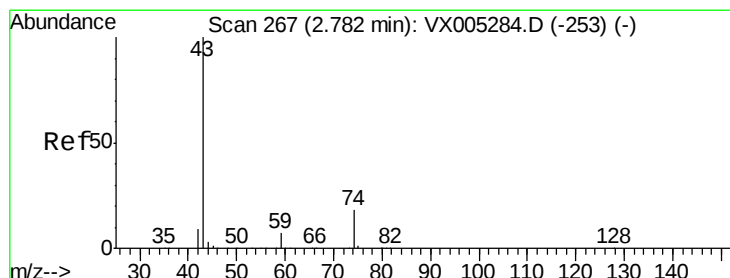
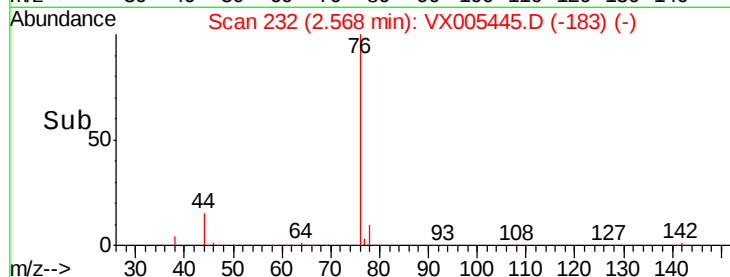


Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



Time-->



#18

Methyl Acetate

Concen: 49.087 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX005445.D

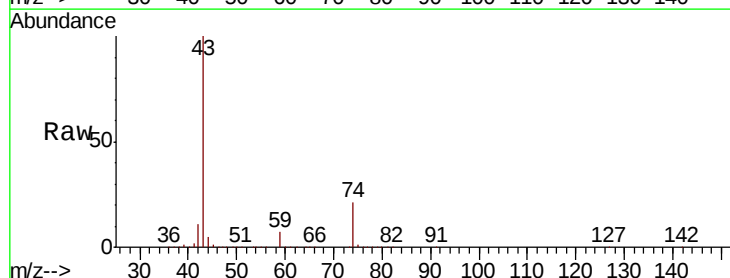
Acq: 19 Oct 2018 09:20

Tgt Ion: 43 Resp: 291477

Ion Ratio Lower Upper

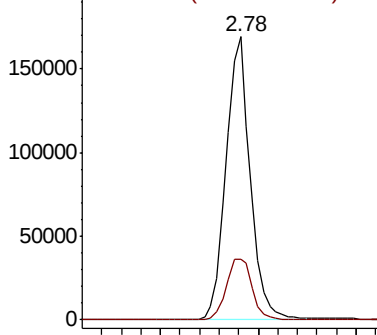
43 100

74 23.0 19.4 29.2

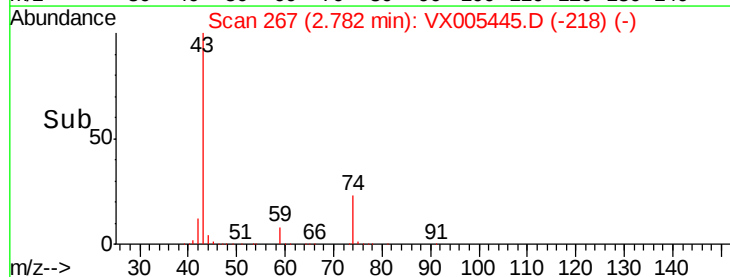


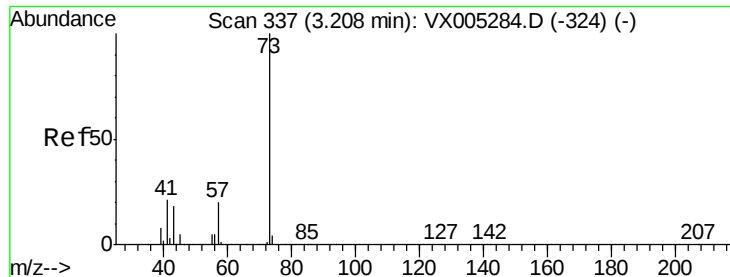
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



Time-->





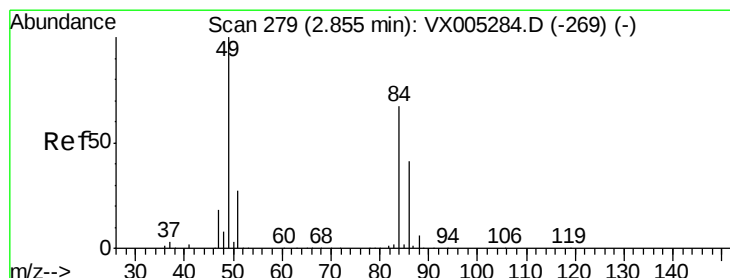
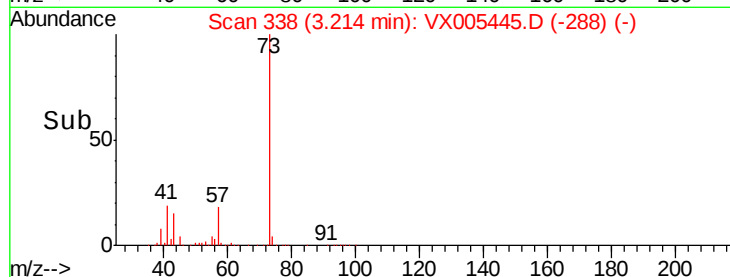
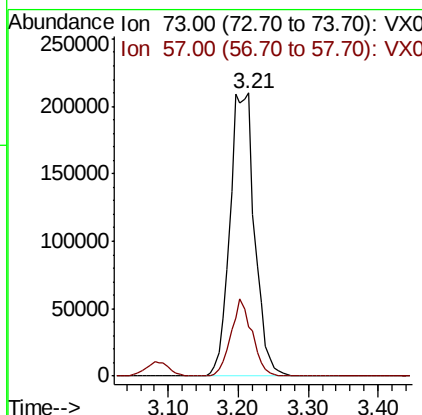
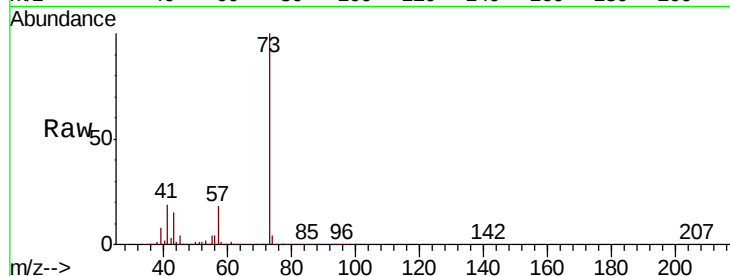
#19
Methvl tert-butvl Ether
Concen: 51.804 ug/l
RT: 3.21 min Scan# 338
Delta R.T. 0.01 min
Lab File: VX005445.D
Acq: 19 Oct 2018 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 519746
Ion Ratio Lower Upper
73 100
57 17.5 17.1 25.7

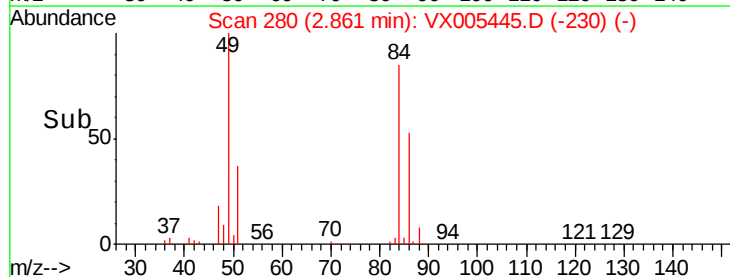
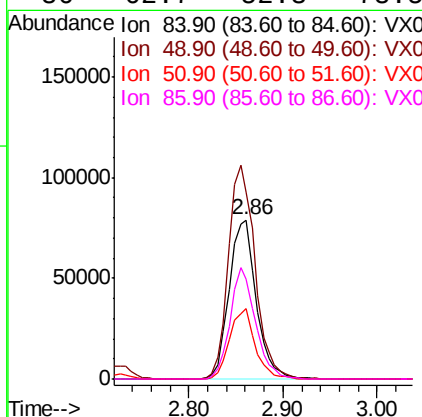
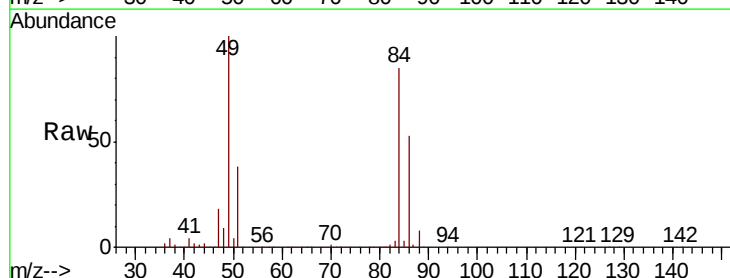
Manual Integrations
APPROVED

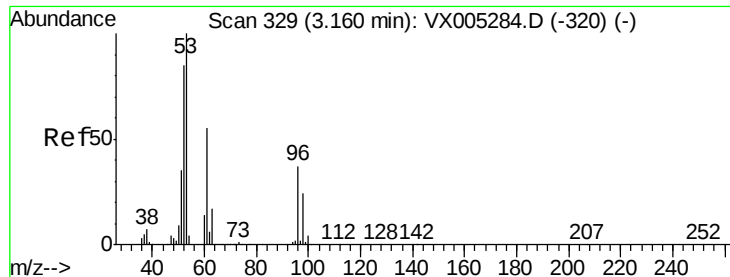
MMDadoda
10/22/2018 11:06:47 AM



#20
Methylene Chloride
Concen: 52.059 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX005445.D
Acq: 19 Oct 2018 09:20

Tgt Ion: 84 Resp: 158156
Ion Ratio Lower Upper
84 100
49 117.7 101.2 151.8
51 44.1 29.5 44.3
86 62.7 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 45.141 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX005445.D

Acq: 19 Oct 2018 09:20

Instrument :

MSVOA_X

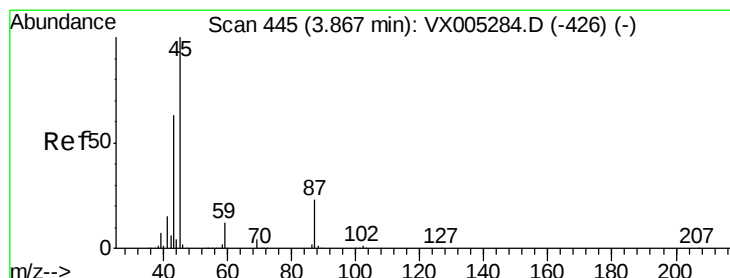
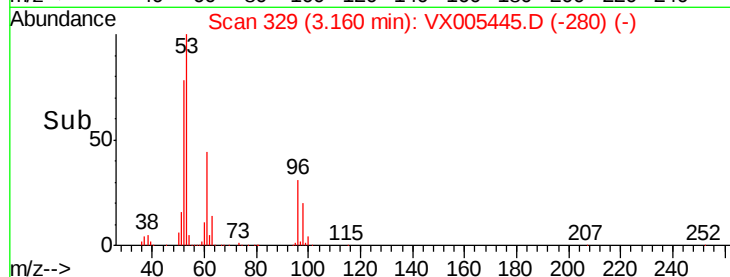
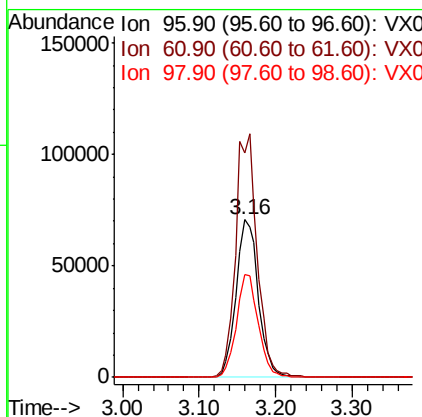
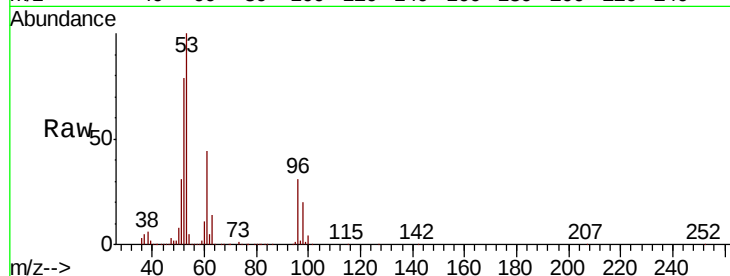
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	142510
Ion	Ratio	Lower	Upper
96	100		
61	142.3	113.8	170.6
98	65.5	51.8	77.8

Manual Integrations
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10/22/2018 11:06:47 AM



#22

Diisopropyl ether

Concen: 50.863 ug/l

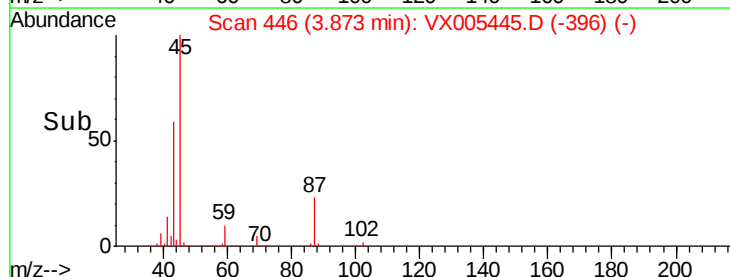
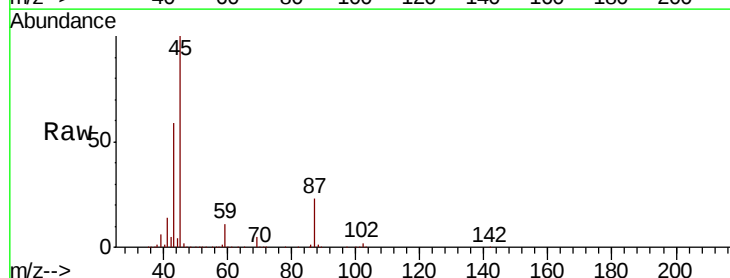
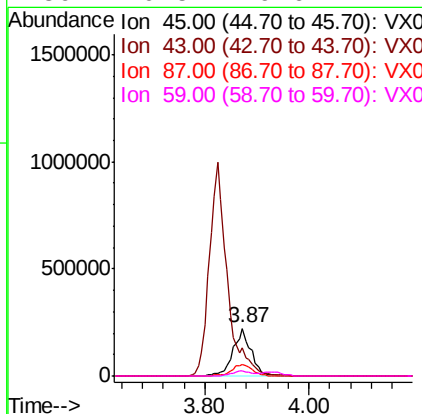
RT: 3.87 min Scan# 446

Delta R.T. 0.01 min

Lab File: VX005445.D

Acq: 19 Oct 2018 09:20

Tgt Ion:	45	Resp:	534315
Ion	Ratio	Lower	Upper
45	100		
43	58.8	42.8	64.2
87	23.2	22.6	34.0
59	10.5	9.6	14.4





#23

Vinyl Acetate

Concen: 258.796 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX005445.D

Acq: 19 Oct 2018 09:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2376207

Ion Ratio Lower Upper

43 100

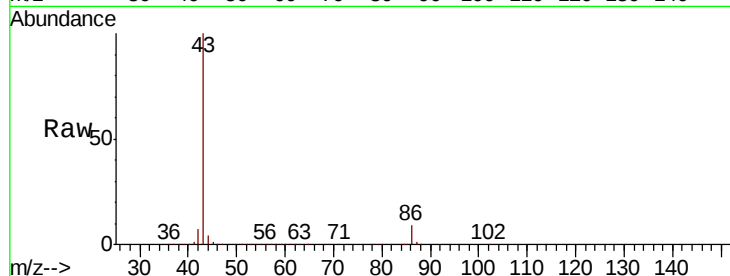
86 8.7 8.9 13.3#

Manual Integrations

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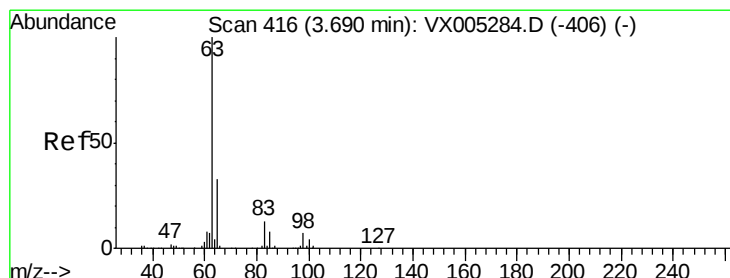
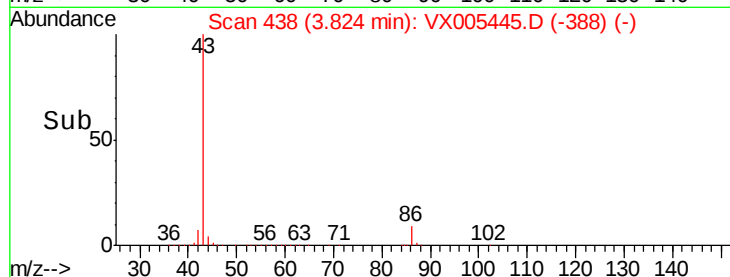
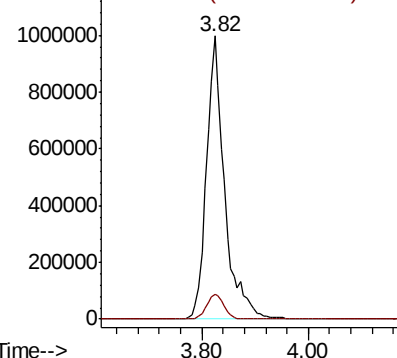
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 48.605 ug/l

RT: 3.69 min Scan# 416

Delta R.T. 0.00 min

Lab File: VX005445.D

Acq: 19 Oct 2018 09:20

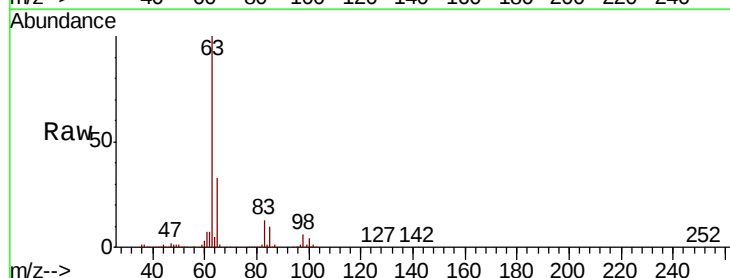
Tgt Ion: 63 Resp: 292629

Ion Ratio Lower Upper

63 100

98 6.3 3.5 10.4

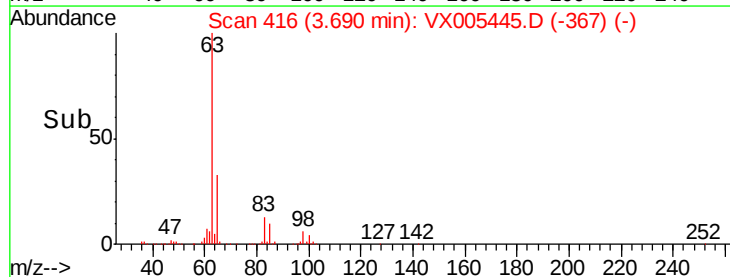
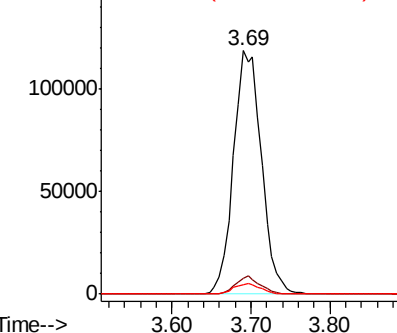
100 4.0 2.4 7.1

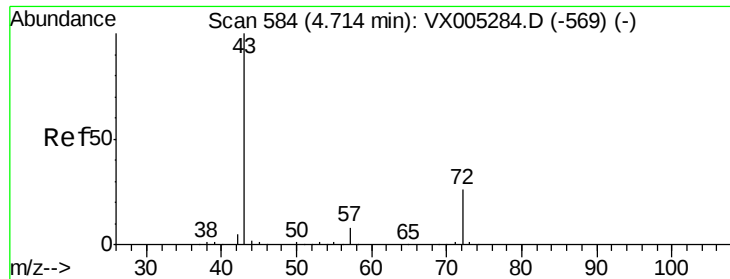


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 244.624 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX005445.D

Acq: 19 Oct 2018 09:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 747026

Ion Ratio Lower Upper

43 100

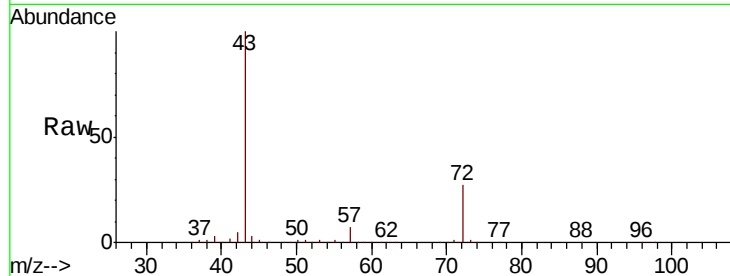
72 26.5 22.0 33.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

300000

250000

200000

150000

100000

50000

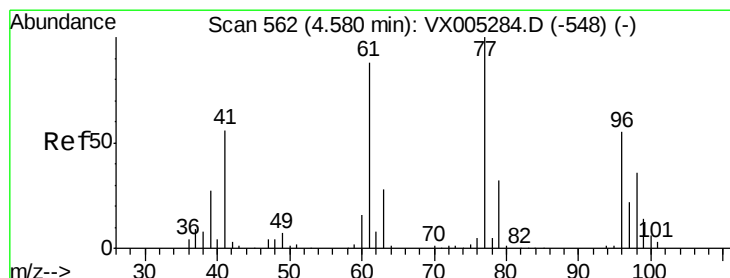
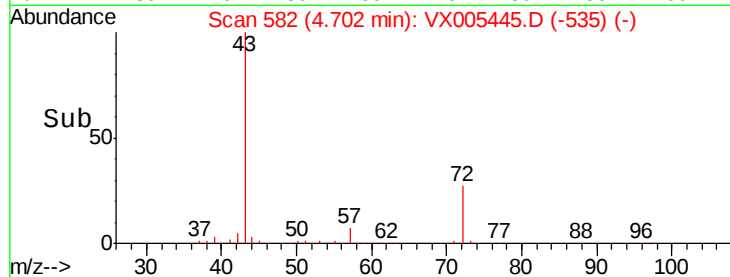
0

4.60

4.70

4.80

Time-->



#26

2,2-Dichloropropane

Concen: 54.587 ug/l

RT: 4.59 min Scan# 564

Delta R.T. 0.01 min

Lab File: VX005445.D

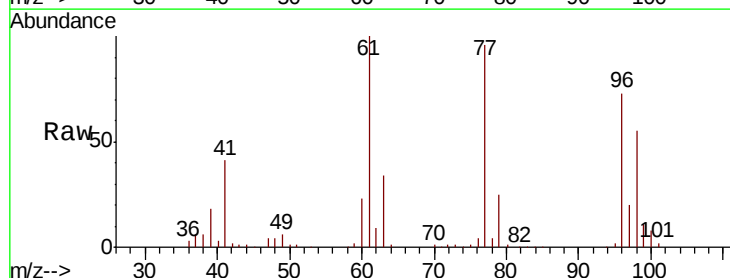
Acq: 19 Oct 2018 09:20

Tgt Ion: 77 Resp: 245788

Ion Ratio Lower Upper

77 100

97 23.1 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

80000

60000

40000

20000

0

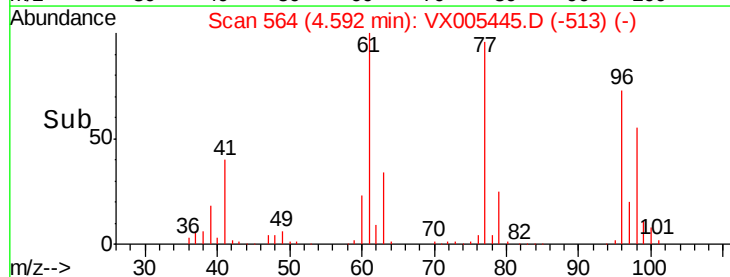
4.40

4.50

4.60

4.70

Time-->





#27

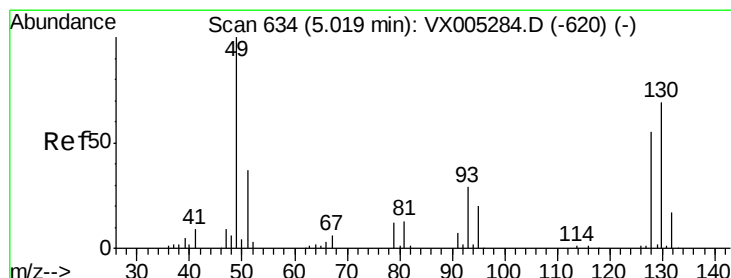
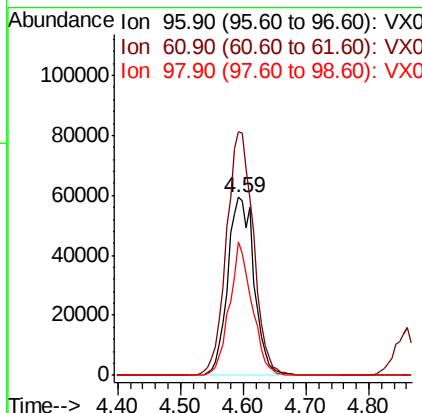
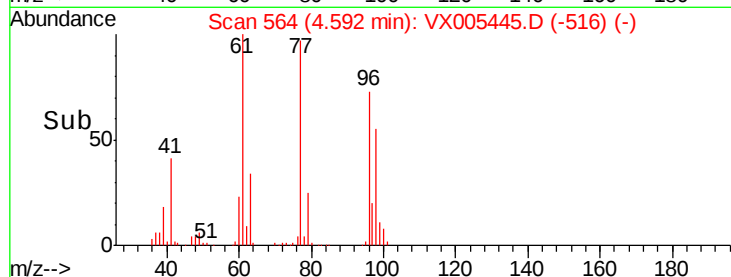
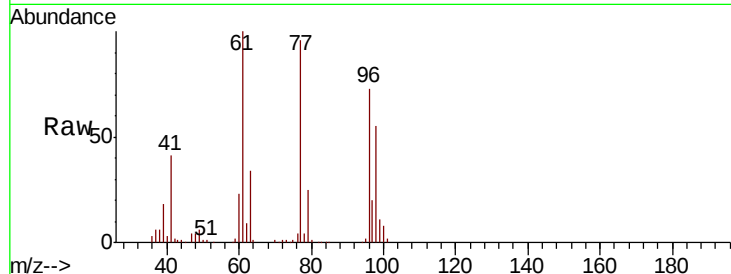
cis-1,2-Dichloroethene
Concen: 50.165 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX005445.D
Acq: 19 Oct 2018 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	172115		
61	139.7	0.0	282.6	
98	64.3	0.0	130.2	

Manual Integrations
APPROVED

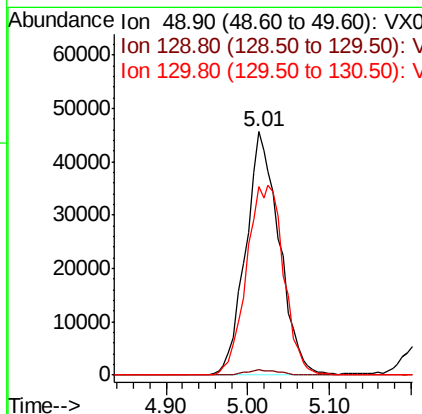
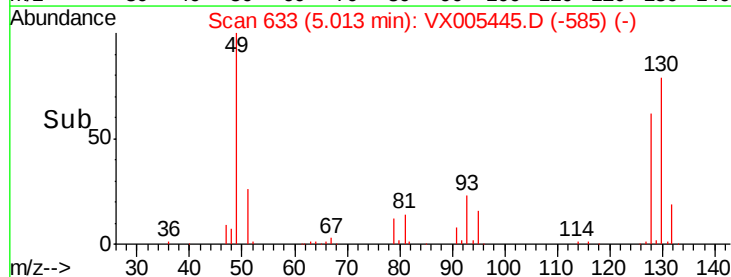
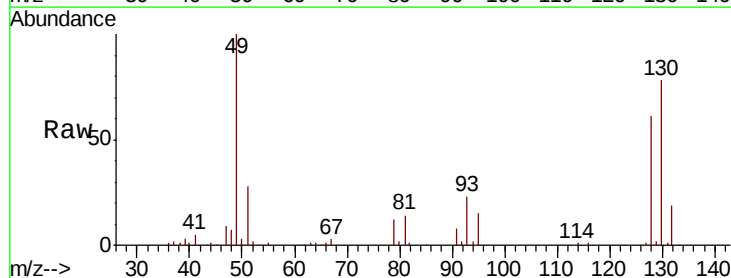
MMDadoda
10/22/2018 11:06:47 AM

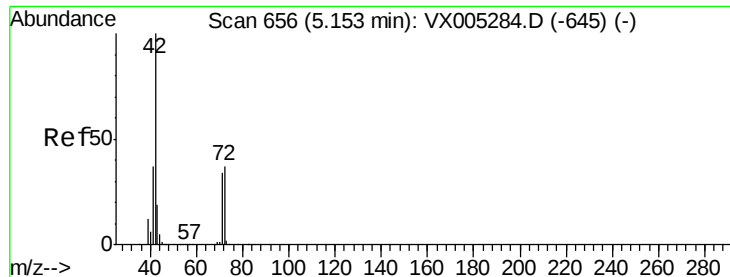


#28

Bromochloromethane
Concen: 47.591 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX005445.D
Acq: 19 Oct 2018 09:20

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	130618		
129	2.2	0.0	4.2	
130	86.3	67.5	101.3	





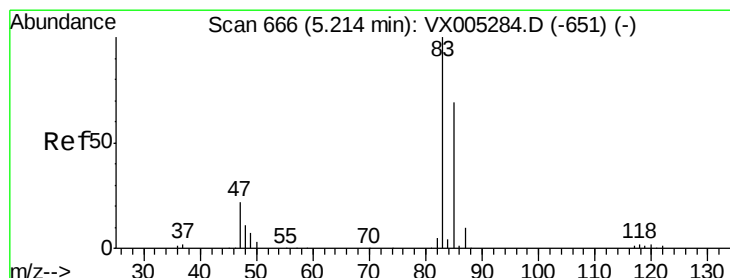
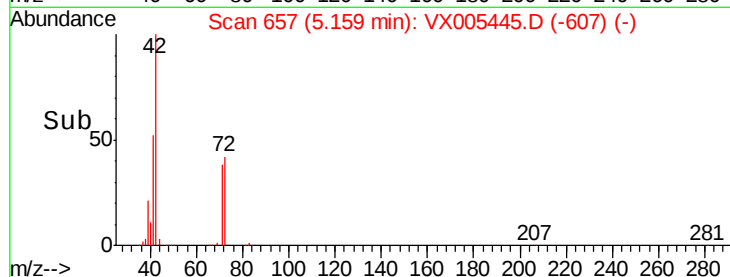
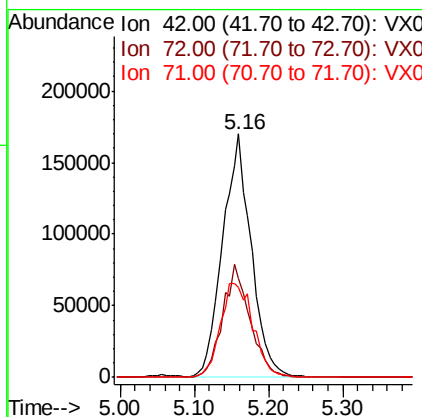
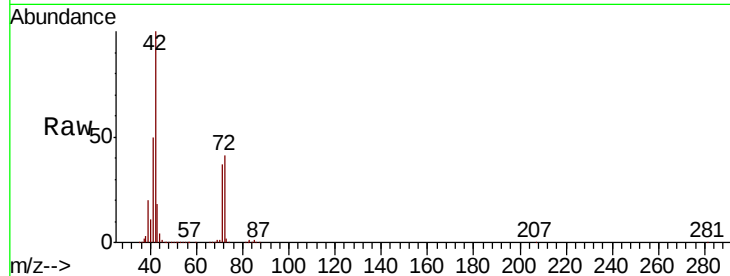
#29
Tetrahydrofuran
Concen: 233.047 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.01 min
Lab File: VX005445.D
Acq: 19 Oct 2018 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.9	37.4	56.0
71	44.0	34.5	51.7

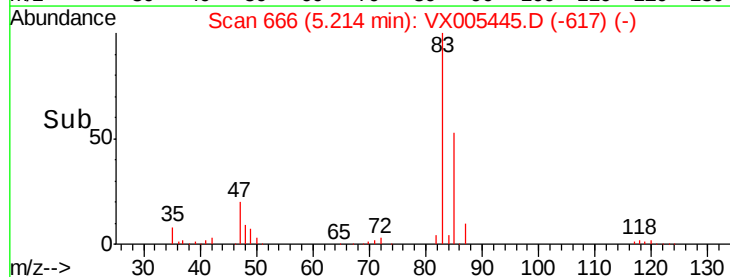
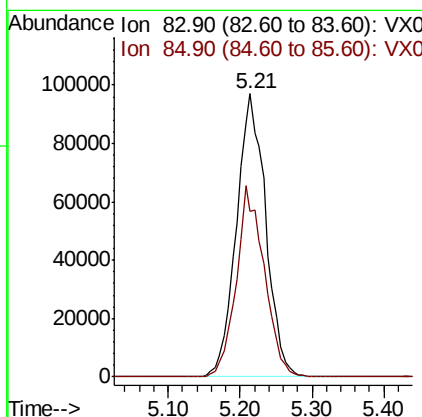
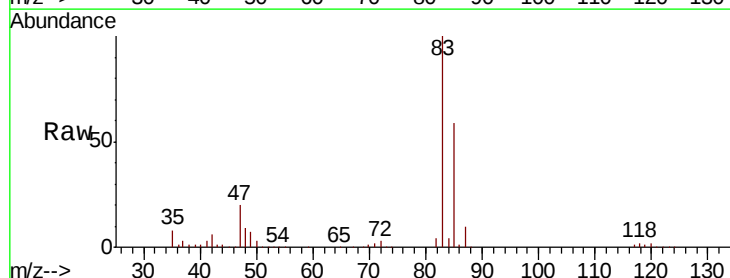
Manual Integrations
APPROVED

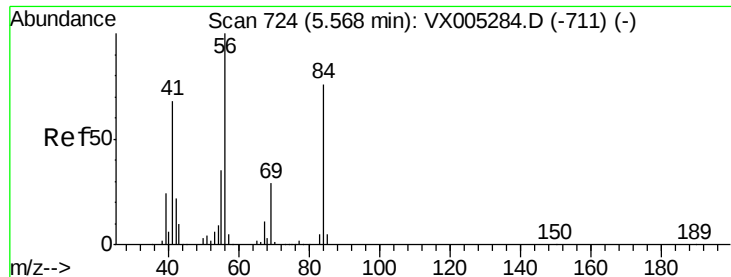
MMDadoda
10/22/2018 11:06:47 AM



#30
Chloroform
Concen: 48.921 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX005445.D
Acq: 19 Oct 2018 09:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	58.5	52.6	79.0





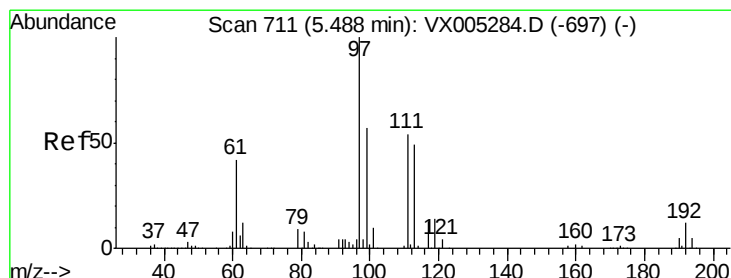
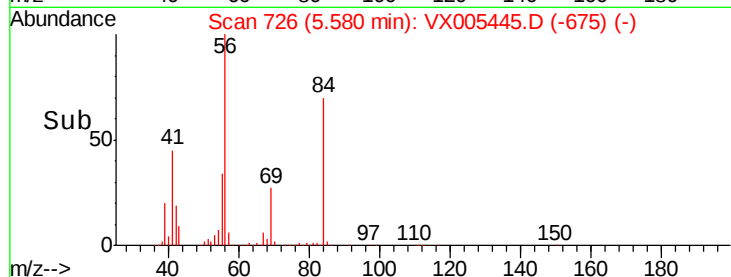
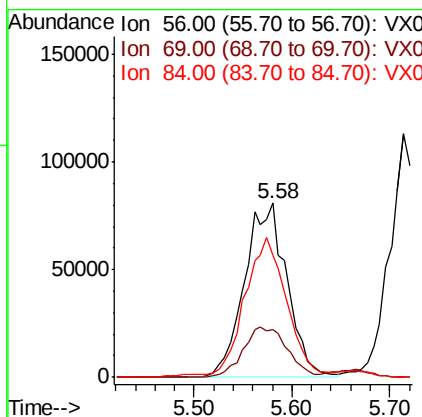
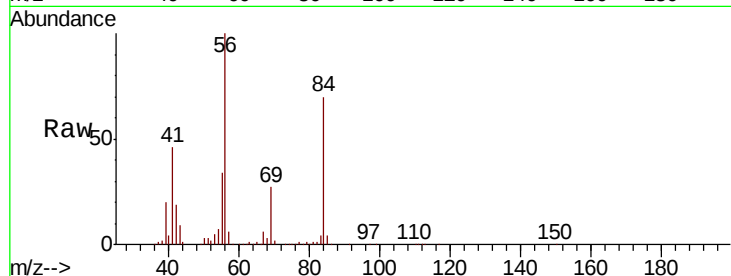
#31
Cyclohexane
Concen: 48.953 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX005445.D
Acq: 19 Oct 2018 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	27.1	25.4	38.2
84	68.6	71.4	107.2#

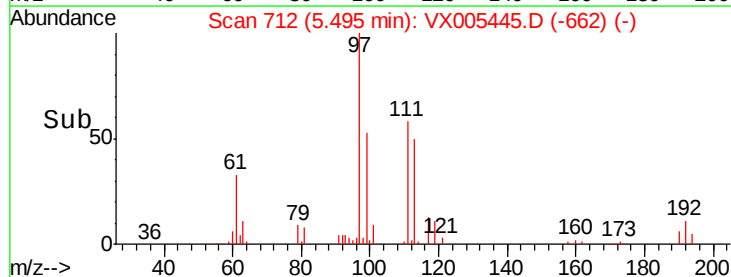
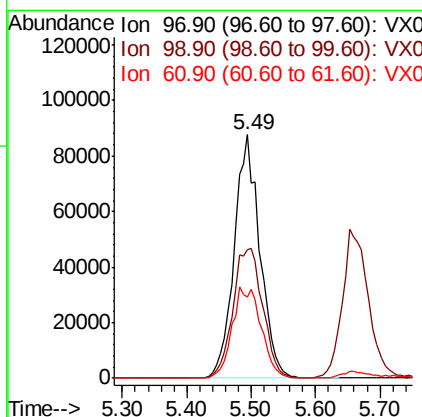
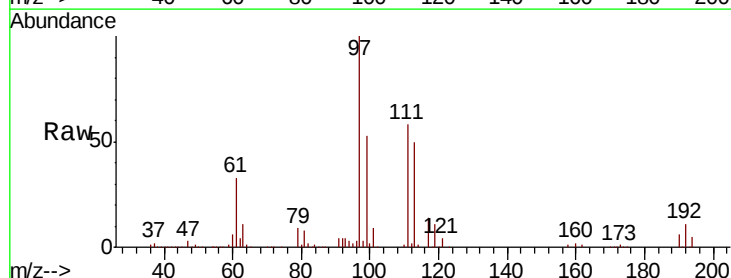
Manual Integrations
APPROVED

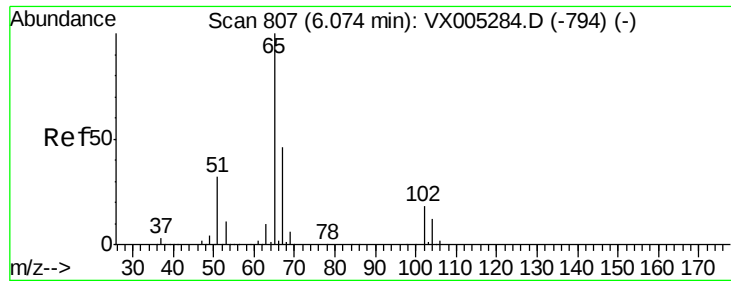
MMDadoda
10/22/2018 11:06:47 AM



#32
1,1,1-Trichloroethane
Concen: 49.913 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.01 min
Lab File: VX005445.D
Acq: 19 Oct 2018 09:20

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.8	52.0	78.0
61	42.0	34.9	52.3





#33

1,2-Dichloroethane-d4

Concen: 43.337 ug/l

RT: 6.07 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX005445.D

Acq: 19 Oct 2018 09:20

Tot Ion: 65 Resp: 156439

Ion Ratio Lower Upper

65 100

67 52.2 0.0 106.8

Instrument :

MSVOA_X

ClientSampleId :

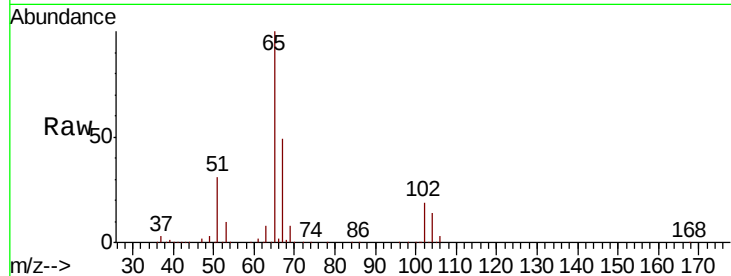
VSTDCCC050

Manual Integrations

APPROVED

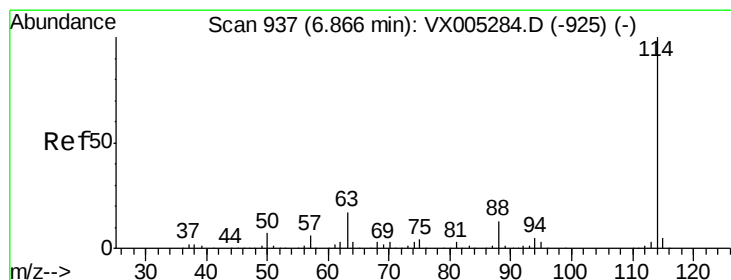
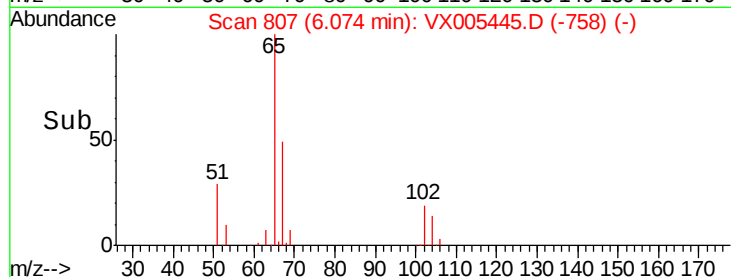
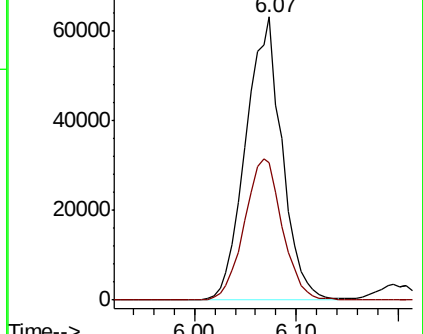
MMDadoda

10/22/2018 11:06:47 AM



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.87 min Scan# 937

Delta R.T. 0.00 min

Lab File: VX005445.D

Acq: 19 Oct 2018 09:20

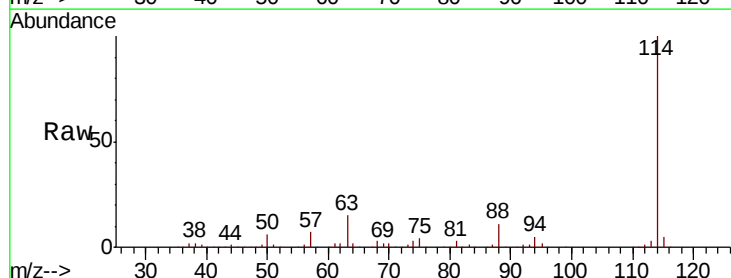
Tgt Ion: 114 Resp: 446430

Ion Ratio Lower Upper

114 100

63 15.1 0.0 39.0

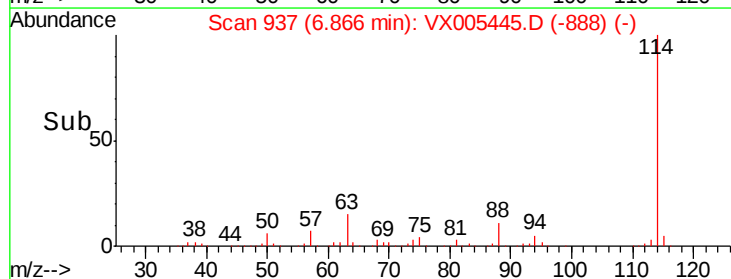
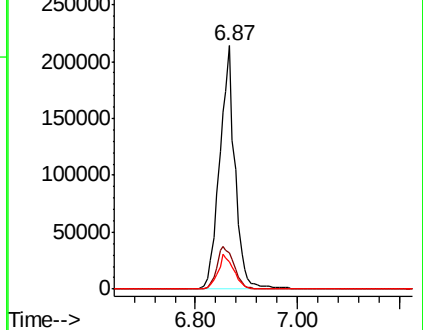
88 11.2 0.0 30.4

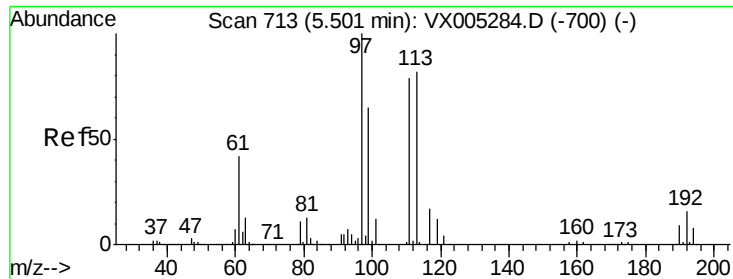


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





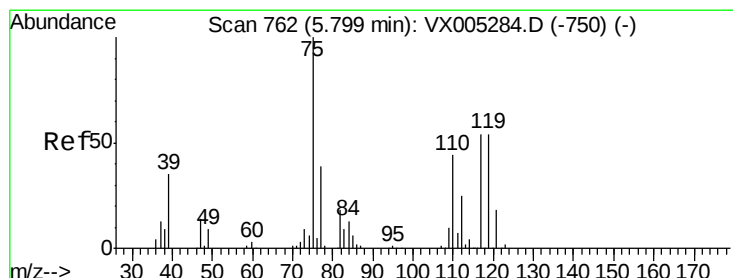
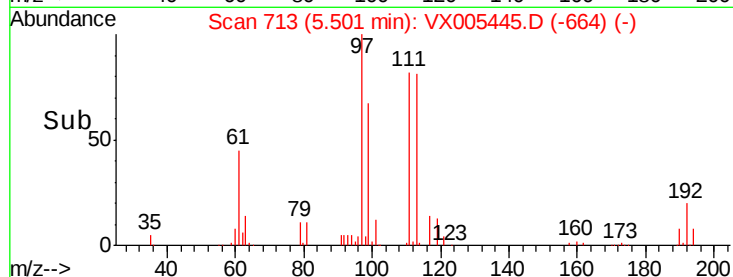
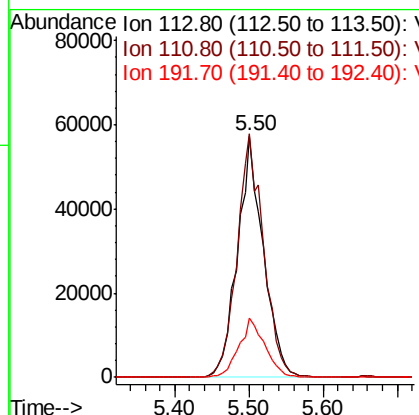
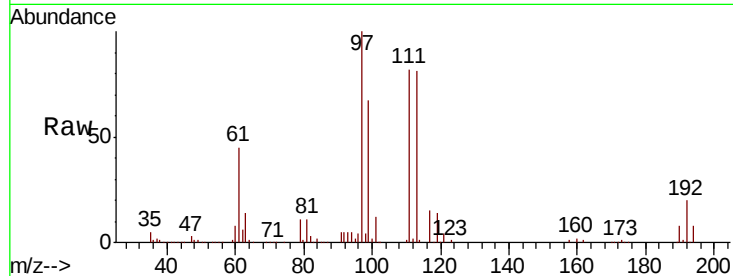
#35
 Dibromofluoromethane
 Concen: 47.159 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX005445.D
 Acq: 19 Oct 2018 09:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	139440		
111	103.3	82.4	123.6	
192	24.6	19.4	29.2	

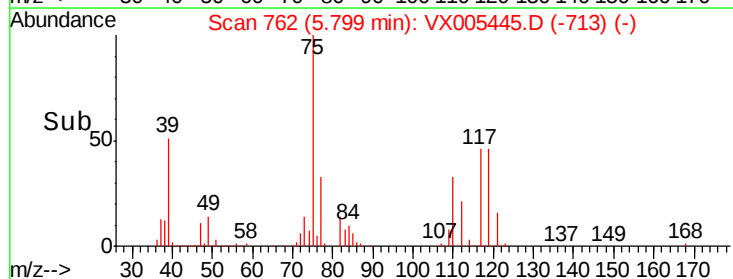
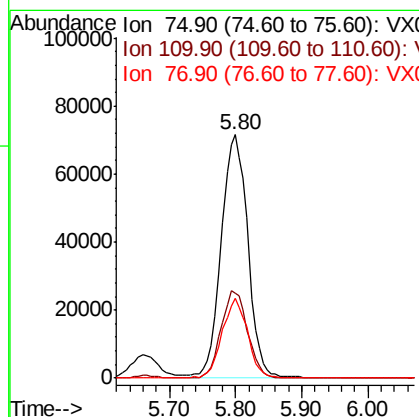
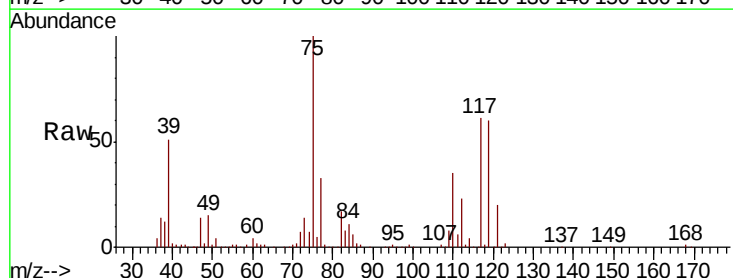
Manual Integrations
 APPROVED

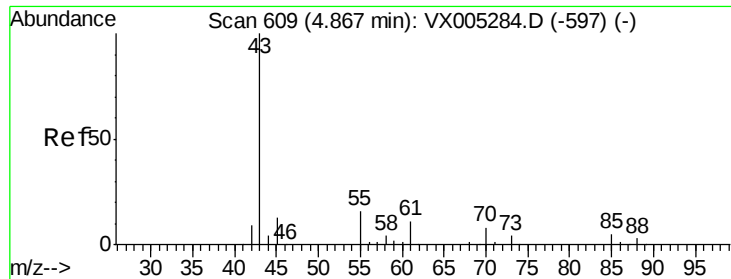
MMDadoda
 10/22/2018 11:06:47 AM



#36
 1,1-Dichloropropene
 Concen: 45.945 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX005445.D
 Acq: 19 Oct 2018 09:20

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	198651		
110	35.9	18.0	54.0	
77	31.8	24.6	36.8	





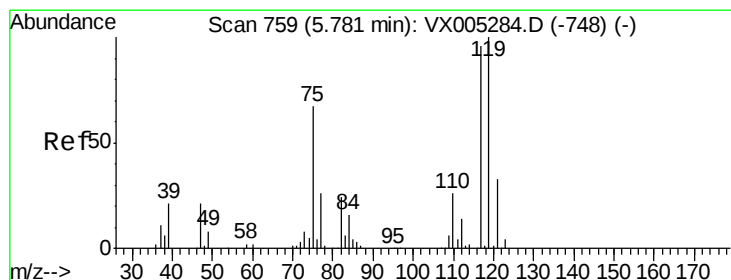
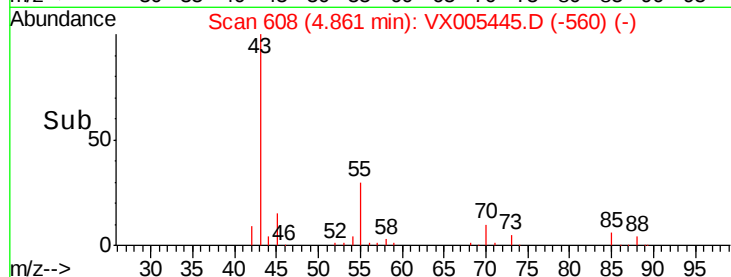
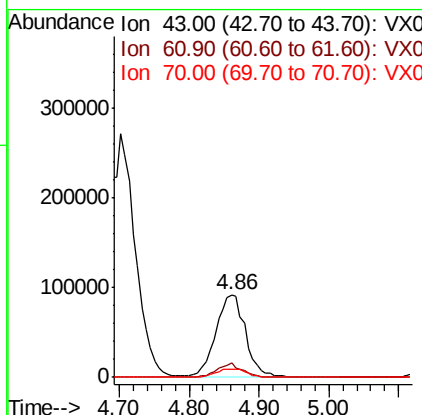
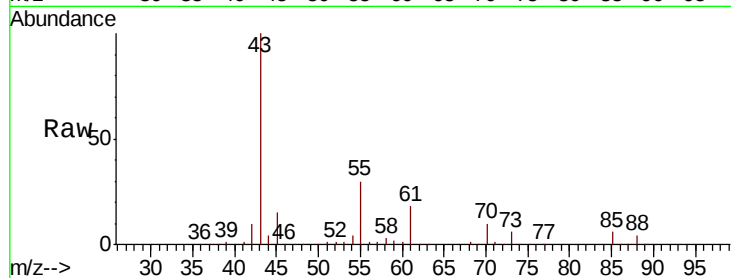
#37
Ethyl Acetate
Concen: 48.466 ug/l
RT: 4.86 min Scan# 608
Delta R.T. -0.01 min
Lab File: VX005445.D
Acq: 19 Oct 2018 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.5	17.3
70	10.7	9.0	13.6

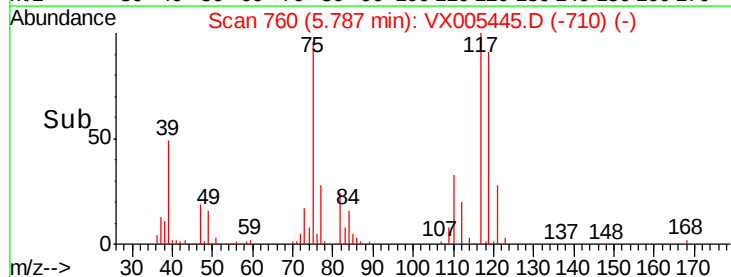
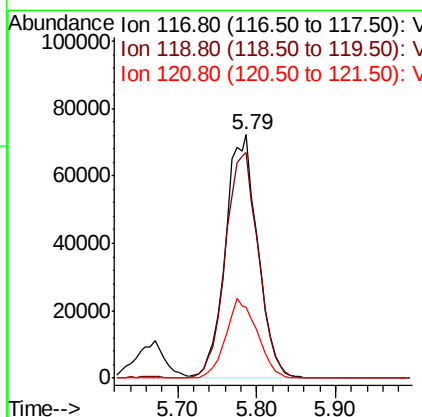
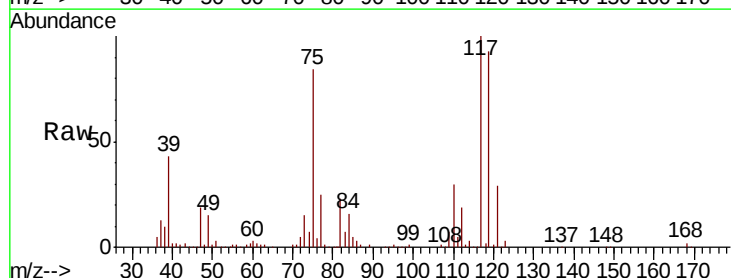
Manual Integrations
APPROVED

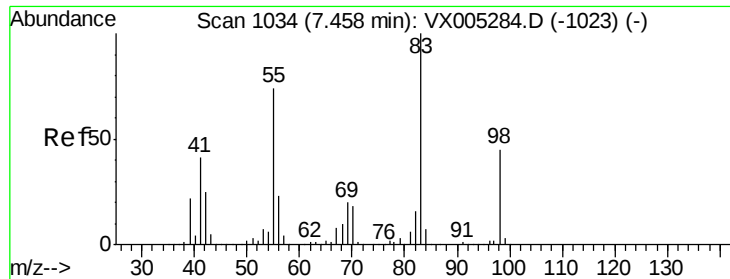
MMDadoda
10/22/2018 11:06:47 AM



#38
Carbon Tetrachloride
Concen: 47.313 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX005445.D
Acq: 19 Oct 2018 09:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.6	78.8	118.2
121	28.8	24.9	37.3





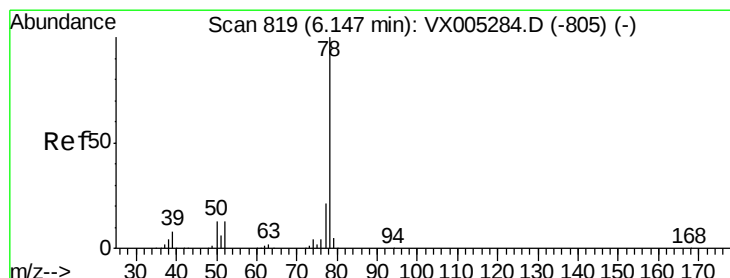
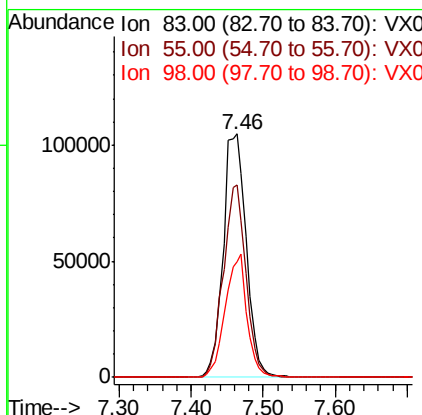
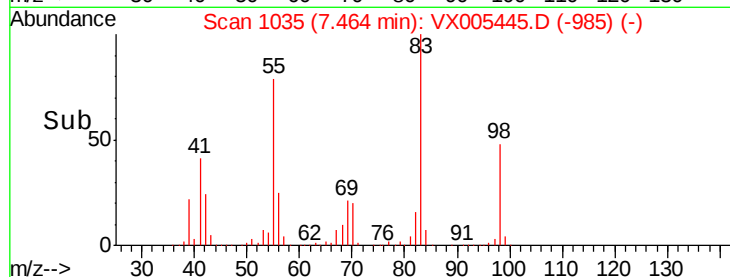
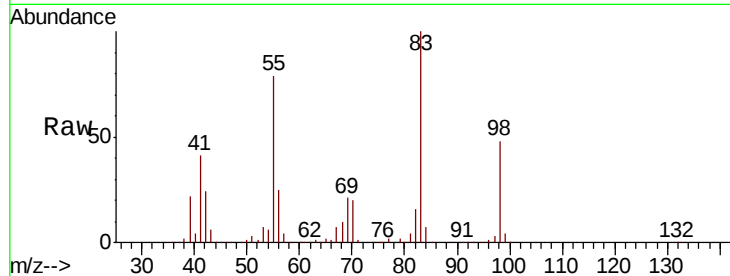
#39
Methylvlcyclohexane
Concen: 50.445 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX005445.D
Acq: 19 Oct 2018 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.8	61.0	91.4
98	47.5	39.6	59.4

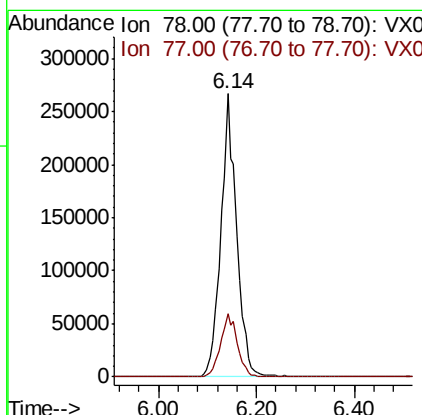
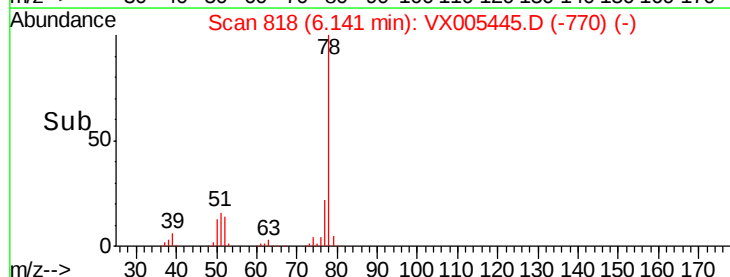
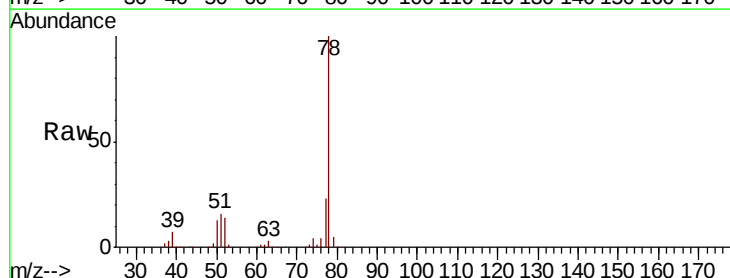
Manual Integrations
APPROVED

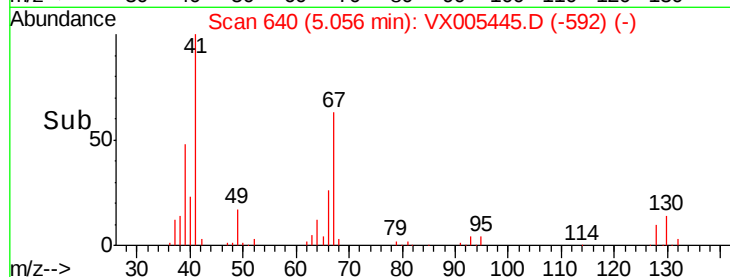
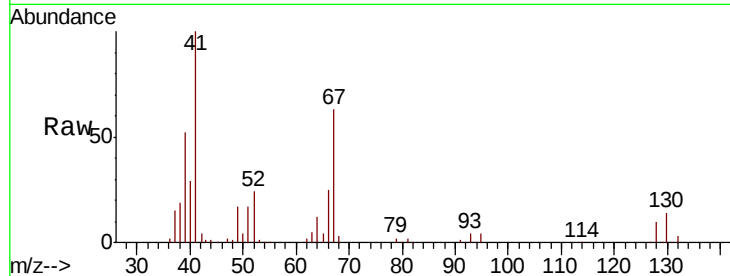
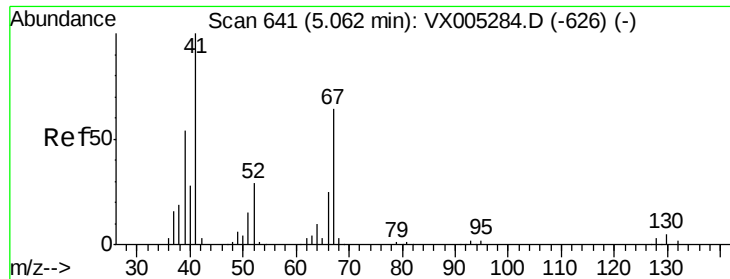
MMDadoda
10/22/2018 11:06:47 AM



#40
Benzene
Concen: 45.767 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX005445.D
Acq: 19 Oct 2018 09:20

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.6	19.0	28.4





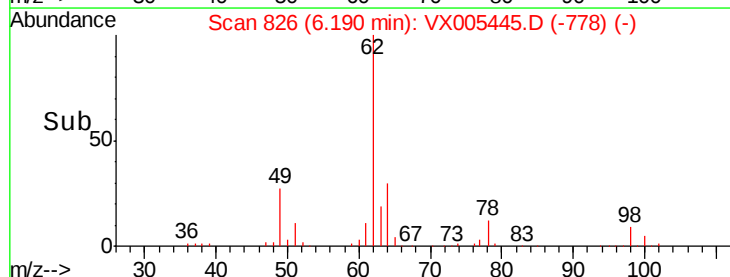
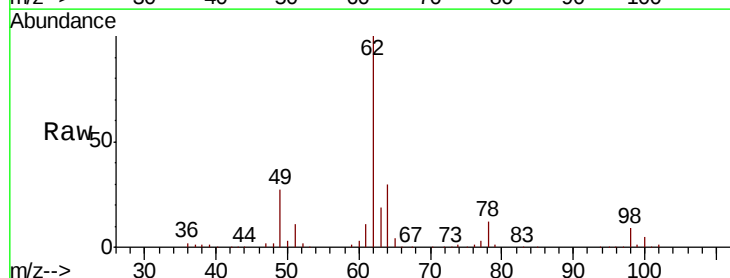
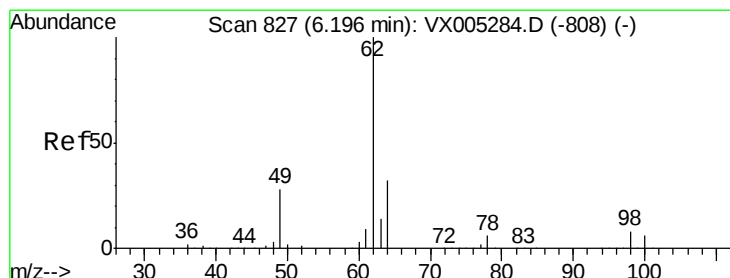
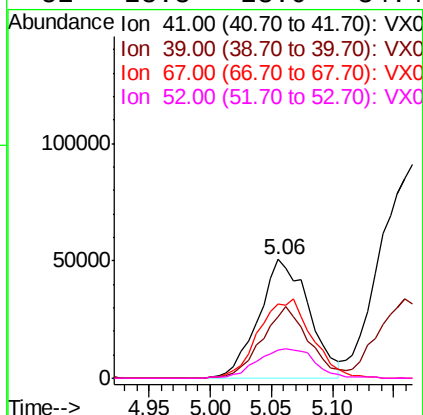
#41
Methacrylonitrile
Concen: 48.530 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.01 min
Lab File: VX005445.D
Acq: 19 Oct 2018 09:20

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		144666		
39	56.6	42.4	63.6		
67	71.1	59.2	88.8		
52	28.3	23.0	34.4		

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

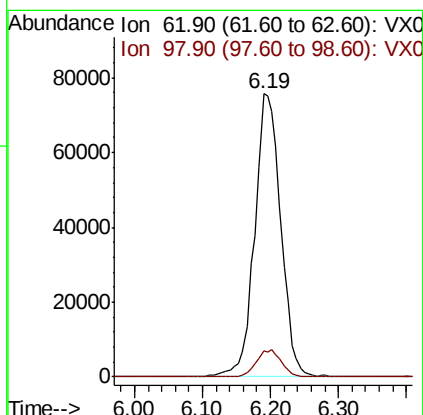
Manual Integrations
APPROVED

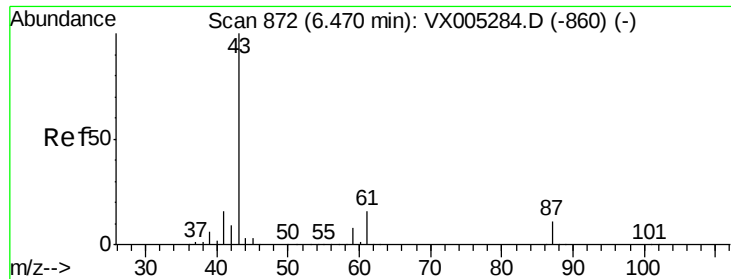
MMDadoda
10/22/2018 11:06:47 AM



#42
1,2-Dichloroethane
Concen: 44.404 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.01 min
Lab File: VX005445.D
Acq: 19 Oct 2018 09:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		203357		
98	9.1	0.0	20.6		





#43

Isopropyl Acetate

Concen: 51.250 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.01 min

Lab File: VX005445.D

Acq: 19 Oct 2018 09:20

Instrument :

MSVOA_X

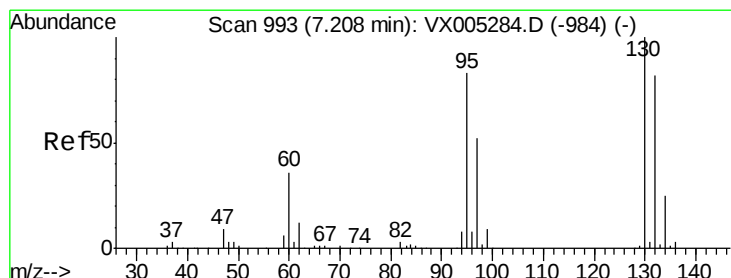
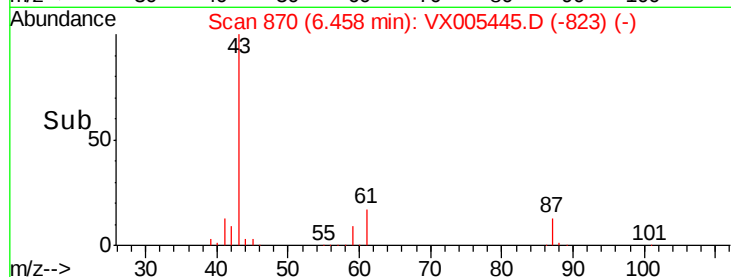
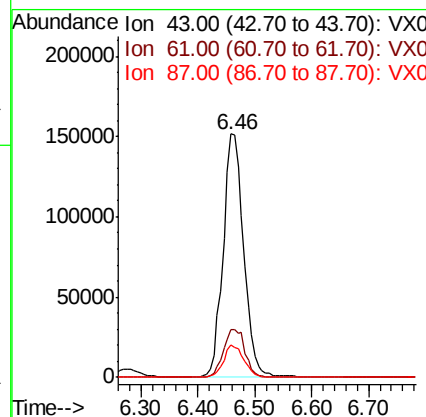
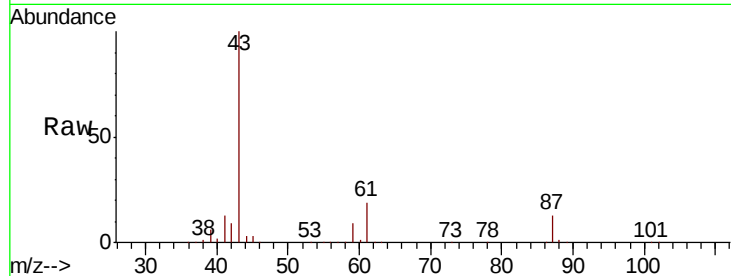
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	379599
Ion	Ratio	Lower	Upper
43	100		
61	20.8	17.0	25.4
87	13.0	11.4	17.2

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#44

Trichloroethene

Concen: 47.281 ug/l

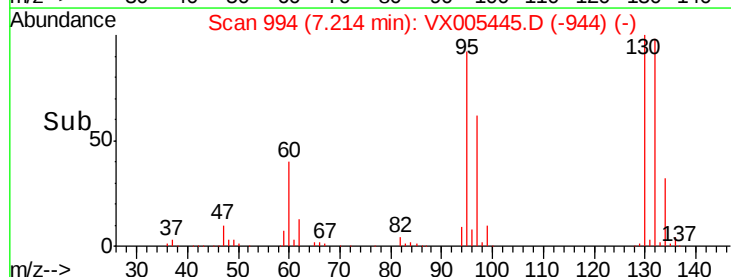
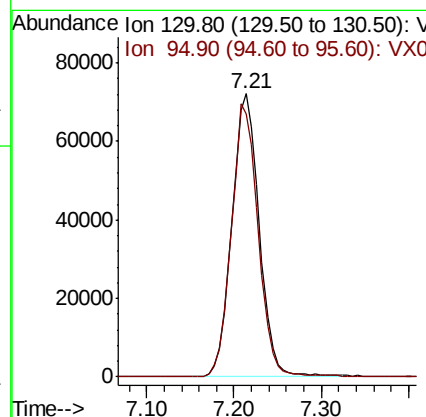
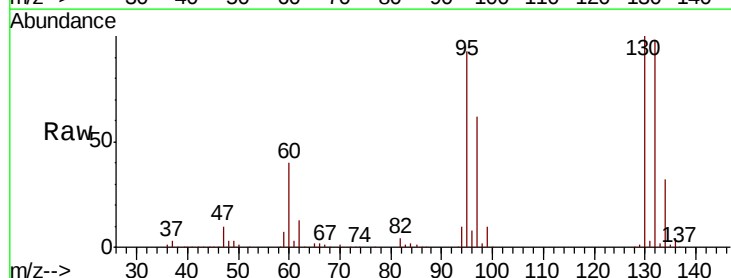
RT: 7.21 min Scan# 994

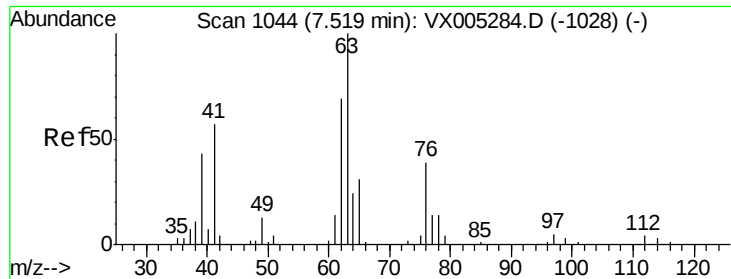
Delta R.T. 0.01 min

Lab File: VX005445.D

Acq: 19 Oct 2018 09:20

Tgt Ion:	130	Resp:	156691
Ion	Ratio	Lower	Upper
130	100		
95	92.7	0.0	181.6





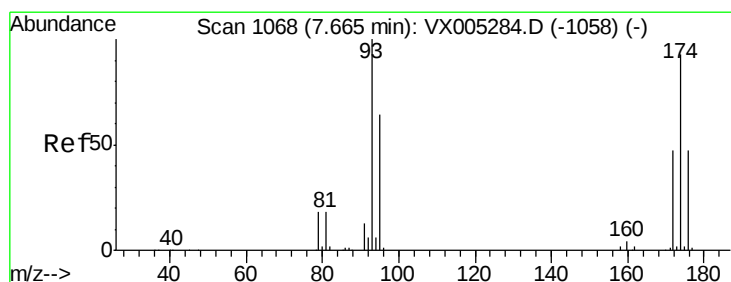
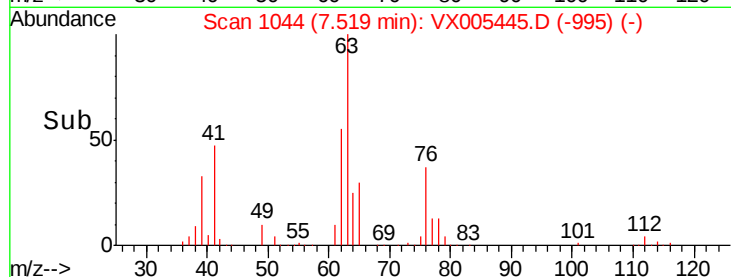
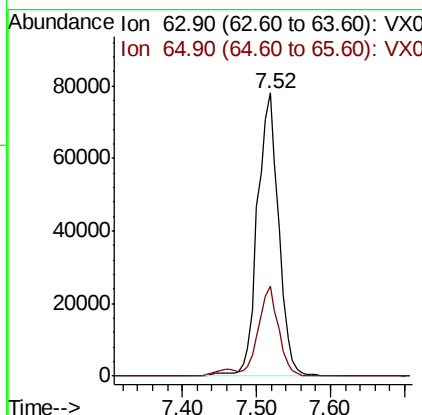
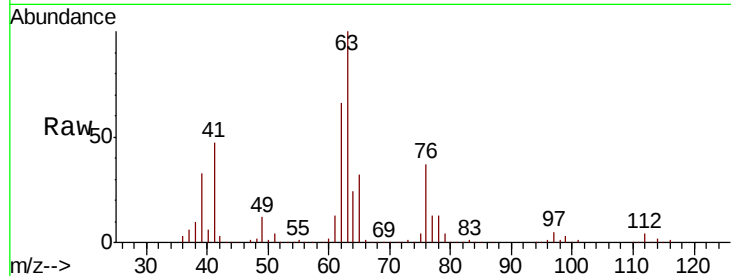
#45
 1,2-Dichloropropane
 Concen: 49.339 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. 0.00 min
 Lab File: VX005445.D
 Acq: 19 Oct 2018 09:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 156974
 Ion Ratio Lower Upper
 63 100
 65 31.6 24.3 36.5

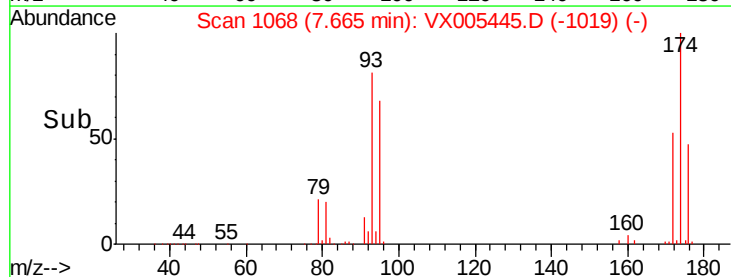
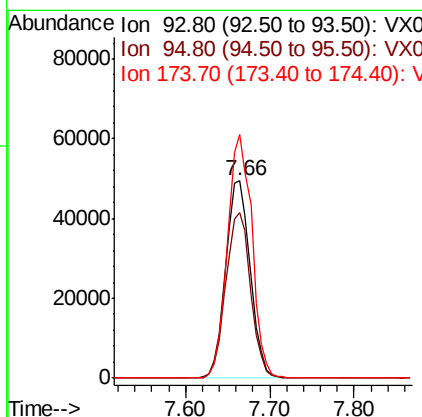
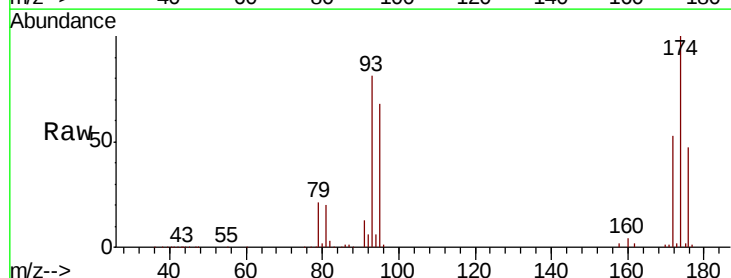
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#46
 Dibromomethane
 Concen: 46.623 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VX005445.D
 Acq: 19 Oct 2018 09:20

Tgt Ion: 93 Resp: 97901
 Ion Ratio Lower Upper
 93 100
 95 84.5 65.5 98.3
 174 122.0 94.2 141.4





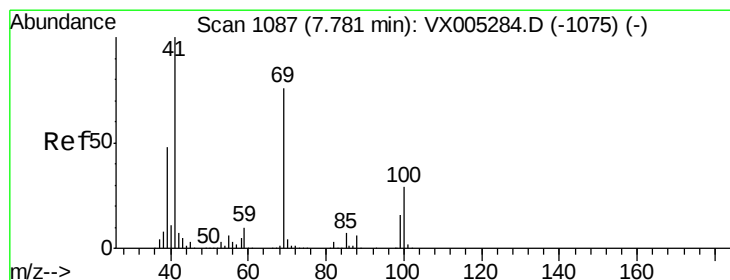
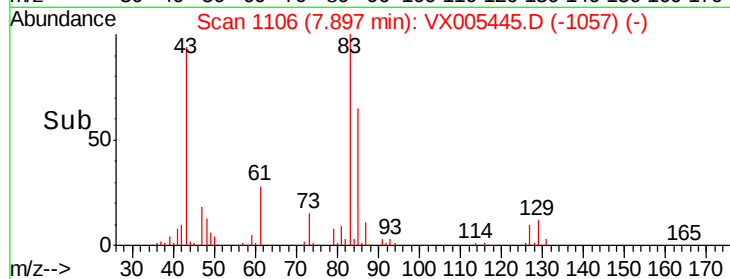
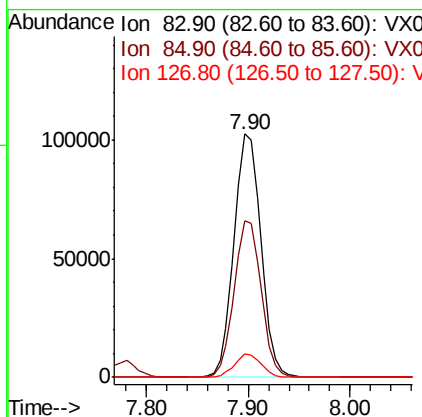
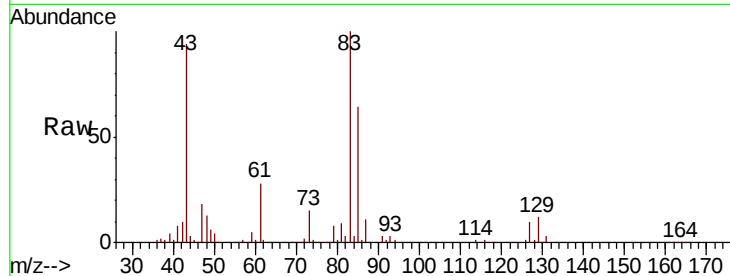
#47
 Bromodichloromethane
 Concen: 48.284 ug/l
 RT: 7.90 min Scan# 1106
 Delta R.T. 0.00 min
 Lab File: VX005445.D
 Acq: 19 Oct 2018 09:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	187540		
85	64.4	50.9	76.3	
127	9.6	7.3	10.9	

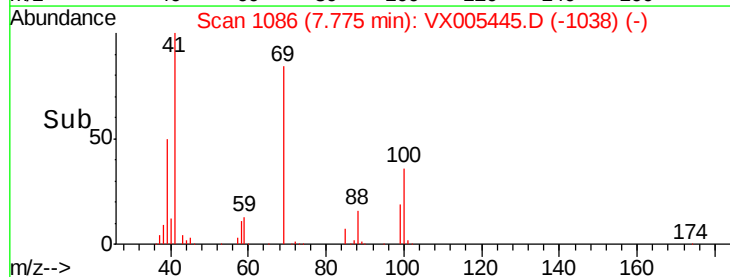
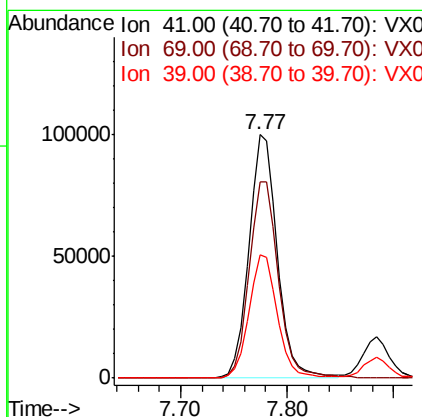
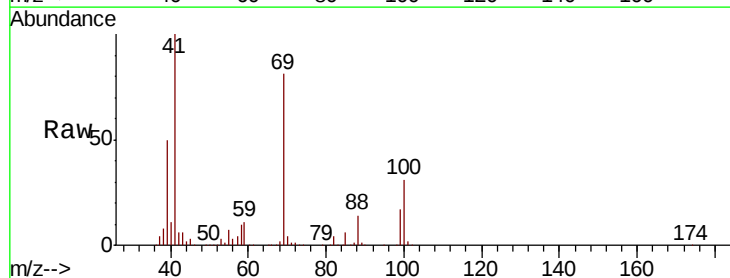
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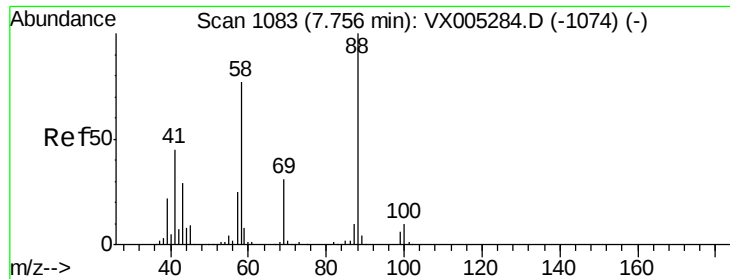
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#48
 Methyl methacrylate
 Concen: 48.655 ug/l
 RT: 7.77 min Scan# 1086
 Delta R.T. -0.01 min
 Lab File: VX005445.D
 Acq: 19 Oct 2018 09:20

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	186910		
69	83.6	70.2	105.4	
39	50.6	42.7	64.1	





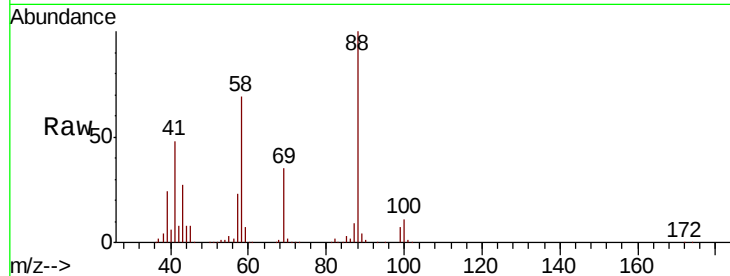
#49
1,4-Dioxane
Concen: 940.408 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.00 min
Lab File: VX005445.D
Acq: 19 Oct 2018 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.8	24.7	37.1
58	72.6	55.3	82.9

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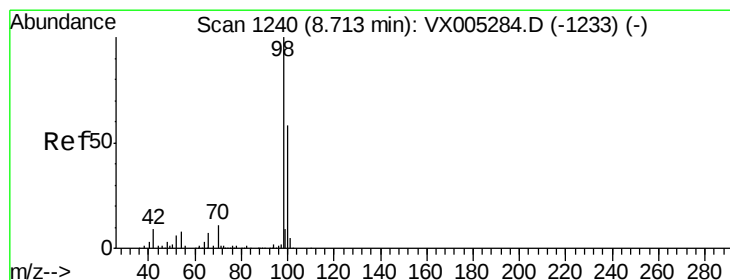
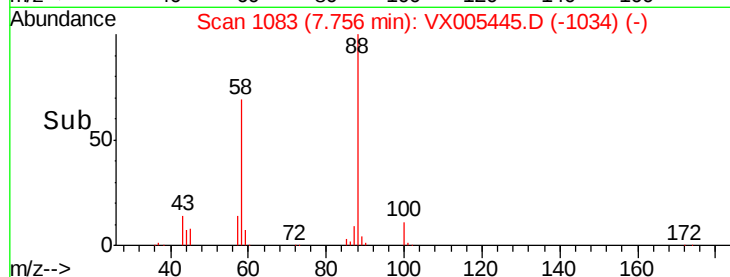
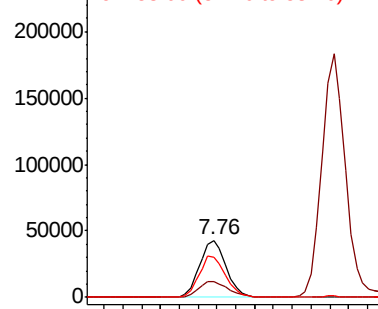


Abundance

Ion 88.00 (87.70 to 88.70): VX0

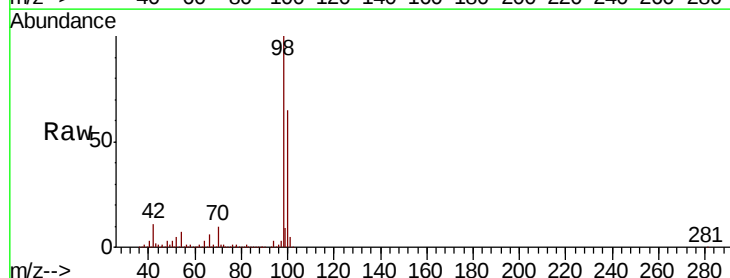
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 47.784 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VX005445.D
Acq: 19 Oct 2018 09:20

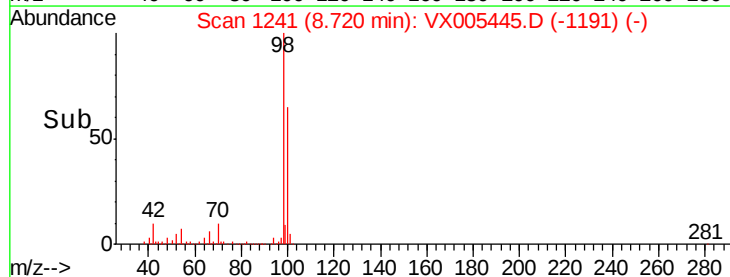
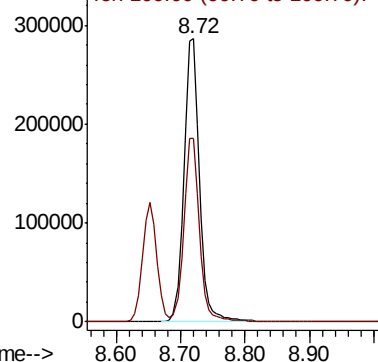
Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.9	79.3

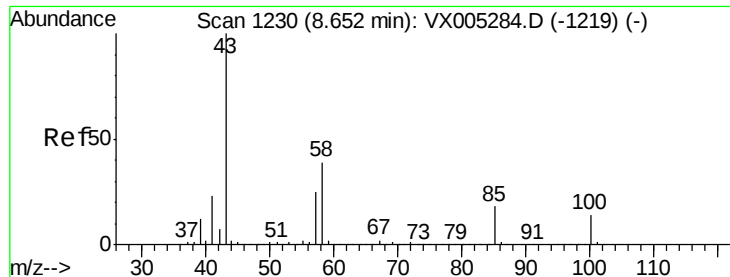


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





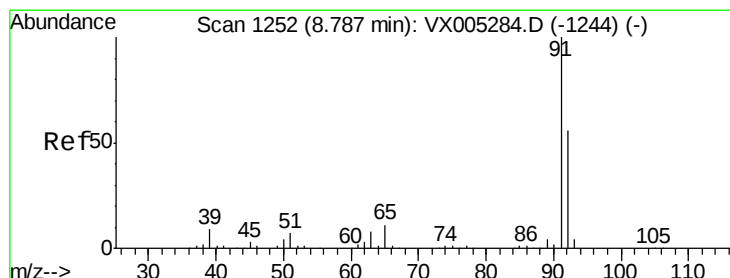
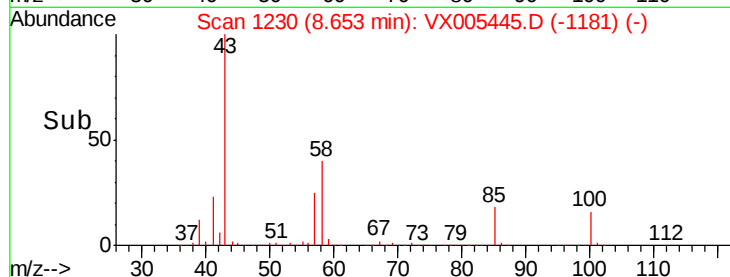
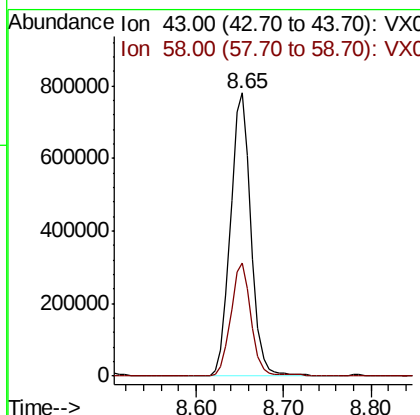
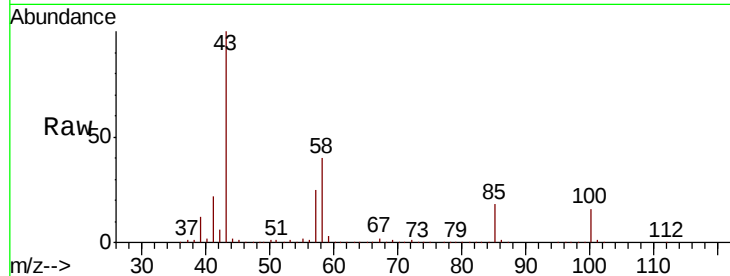
#51
4-Methyl-2-Pentanone
Concen: 249.229 ug/l
RT: 8.65 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VX005445.D
Acq: 19 Oct 2018 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1278202
Ion Ratio Lower Upper
43 100
58 39.7 33.1 49.7

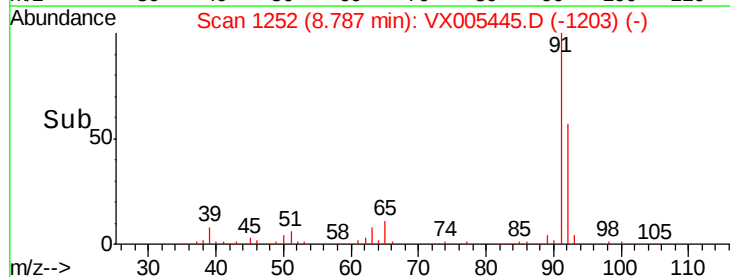
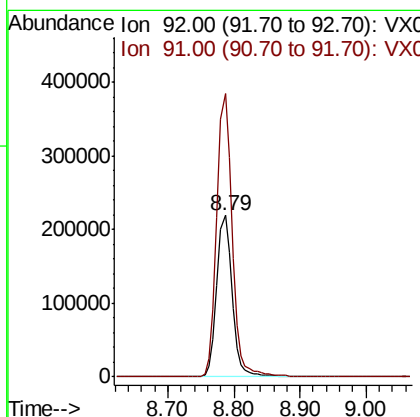
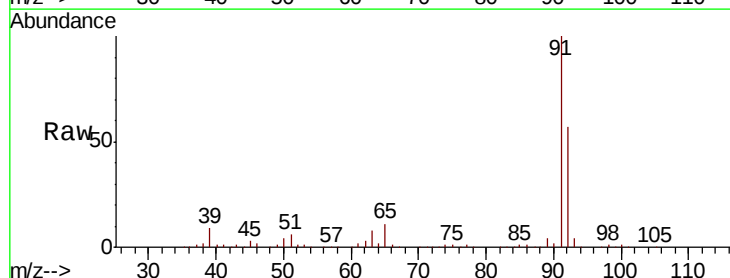
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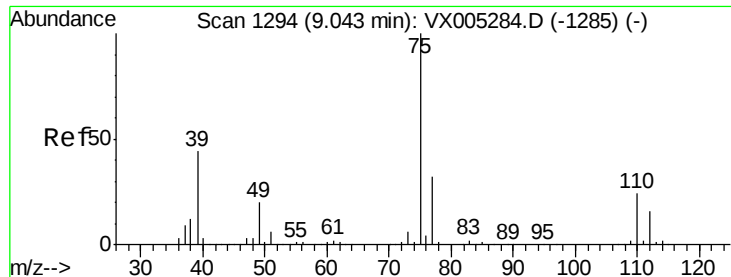
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#52
Toluene
Concen: 50.219 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX005445.D
Acq: 19 Oct 2018 09:20

Tgt Ion: 92 Resp: 356347
Ion Ratio Lower Upper
92 100
91 175.0 136.4 204.6





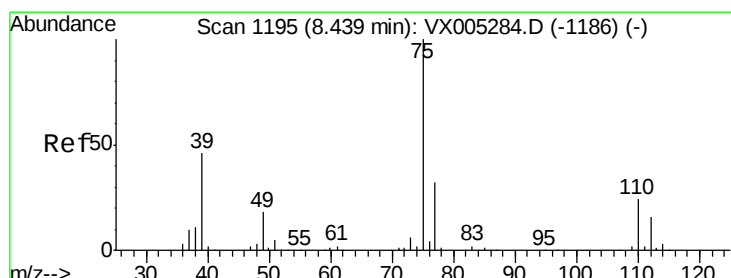
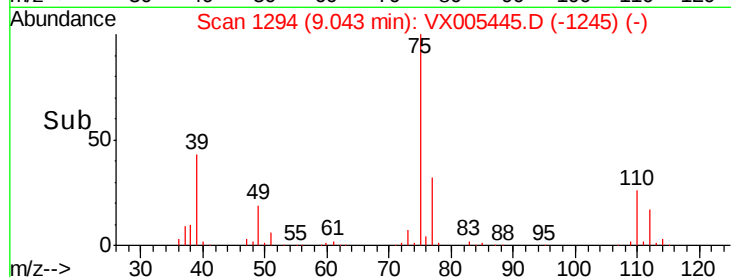
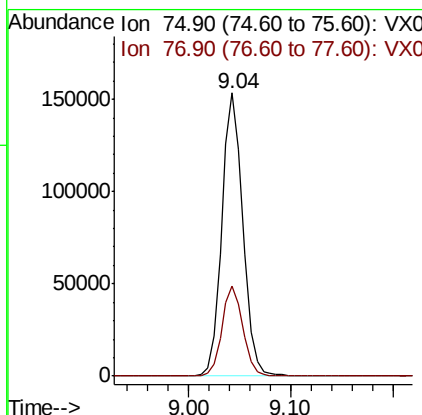
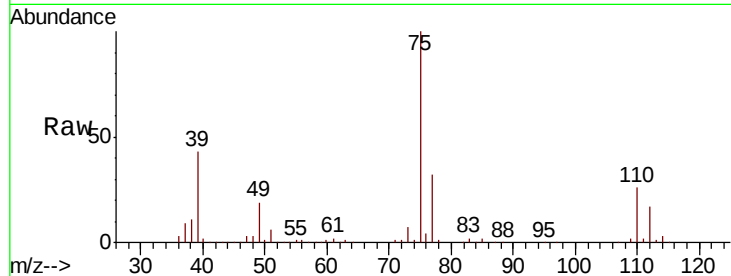
#53
t-1,3-Dichloropropene
Concen: 52.301 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX005445.D
Acq: 19 Oct 2018 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 219844
Ion Ratio Lower Upper
75 100
77 31.9 24.6 37.0

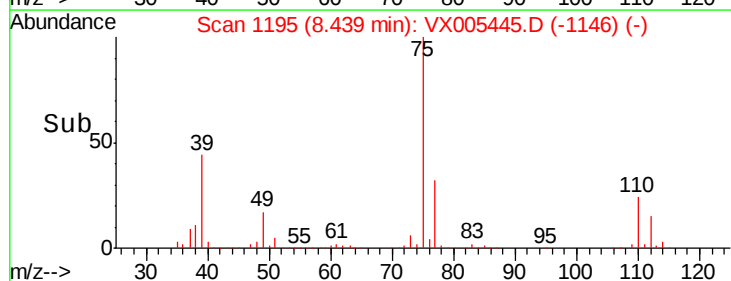
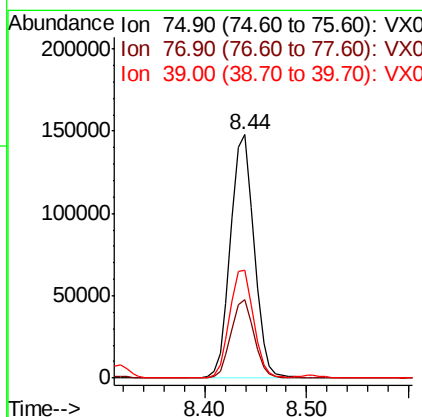
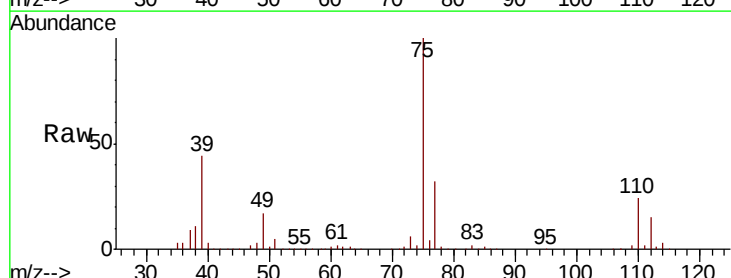
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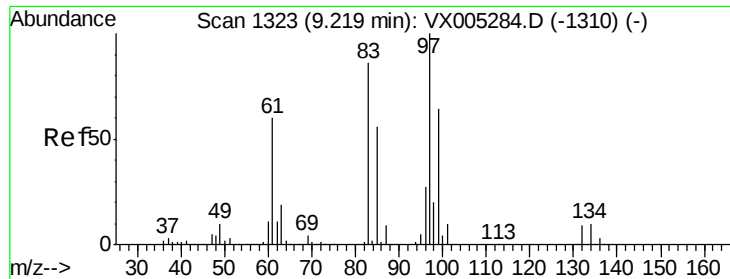
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#54
cis-1,3-Dichloropropene
Concen: 51.817 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. 0.00 min
Lab File: VX005445.D
Acq: 19 Oct 2018 09:20

Tgt Ion: 75 Resp: 236003
Ion Ratio Lower Upper
75 100
77 32.4 26.2 39.2
39 44.4 36.4 54.6





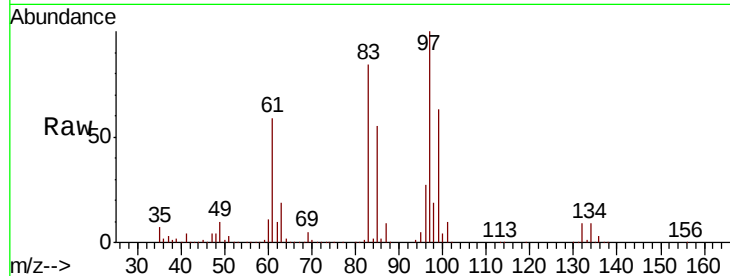
#55
 1,1,2-Trichloroethane
 Concen: 49.793 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: VX005445.D
 Acq: 19 Oct 2018 09:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

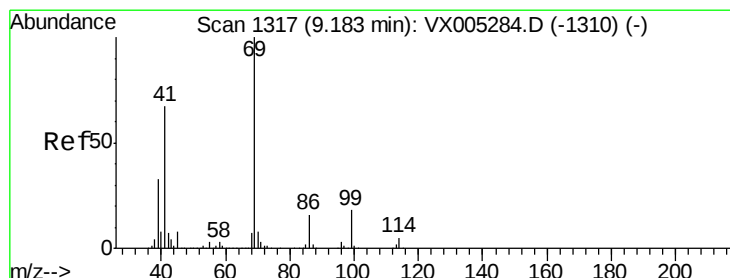
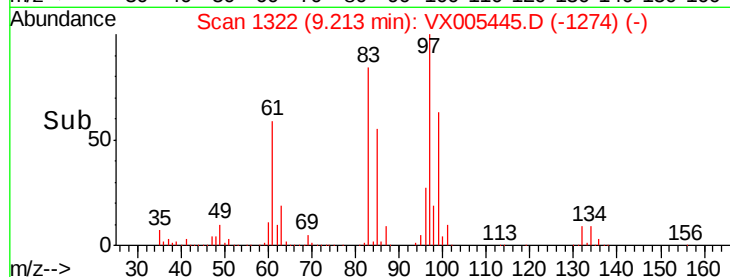
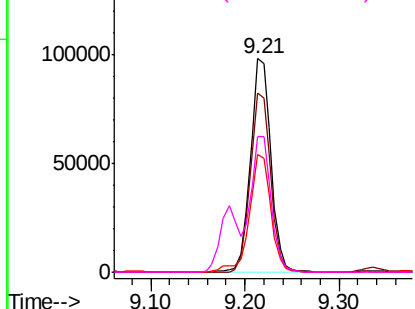
Tot Ion:	97	Resp:	149650
Ion	Ratio	Lower	Upper
97	100		
83	84.2	66.4	99.6
85	55.4	43.3	64.9
99	63.3	49.0	73.4

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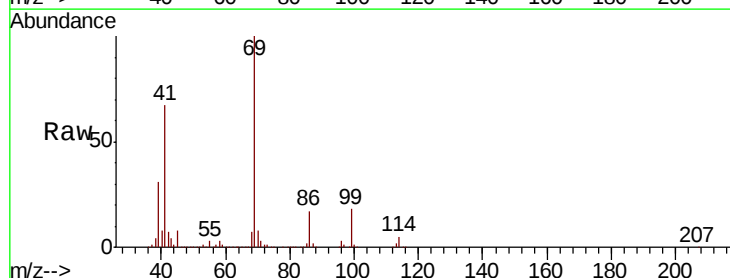


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

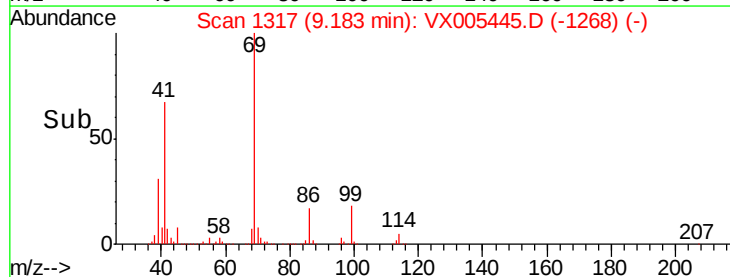
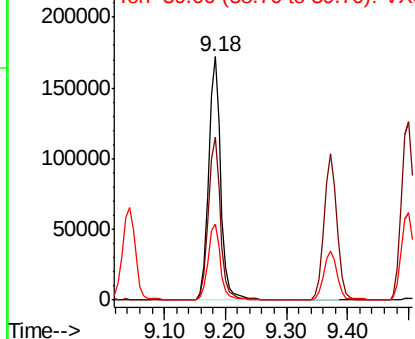


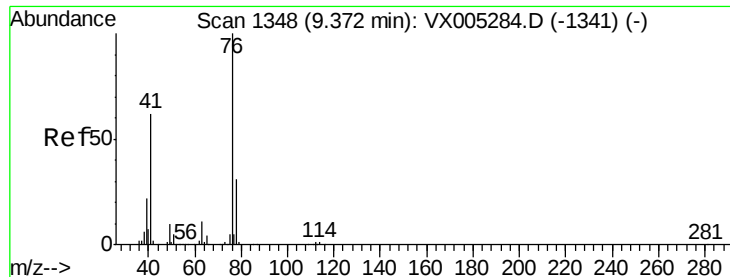
#56
 Ethyl methacrylate
 Concen: 54.591 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX005445.D
 Acq: 19 Oct 2018 09:20

Tgt Ion:	69	Resp:	239184
Ion	Ratio	Lower	Upper
69	100		
41	67.0	51.0	76.4
39	31.8	26.1	39.1



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





#57

1,3-Dichloropropane

Concen: 49.359 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX005445.D

Acq: 19 Oct 2018 09:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 247603

Ion Ratio Lower Upper

76 100

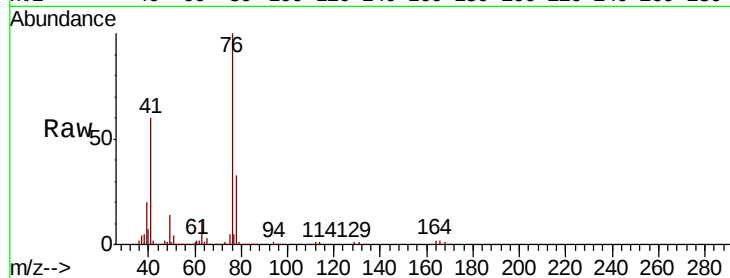
78 32.0 25.5 38.3

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

200000

150000

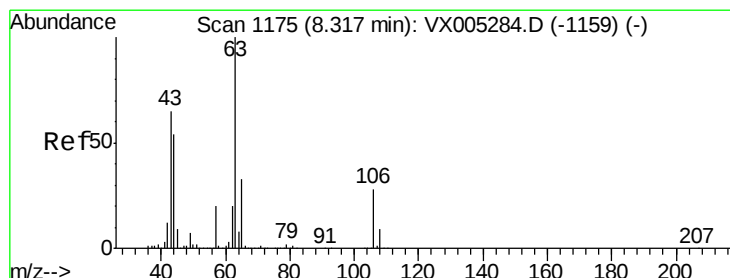
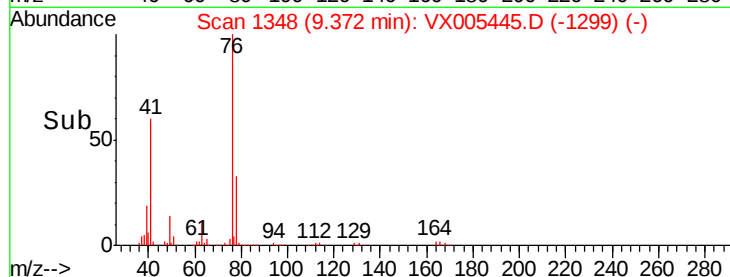
100000

50000

0

9.30 9.40 9.50

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 270.165 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. 0.00 min

Lab File: VX005445.D

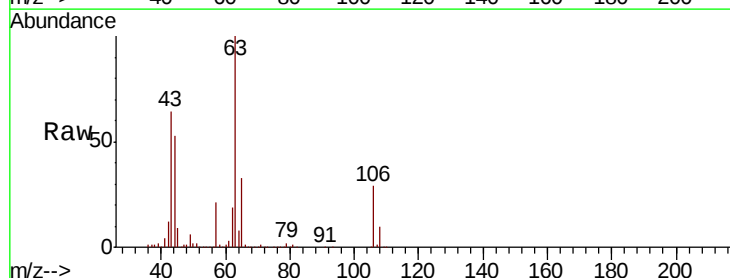
Acq: 19 Oct 2018 09:20

Tgt Ion: 63 Resp: 663839

Ion Ratio Lower Upper

63 100

106 27.7 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

400000

300000

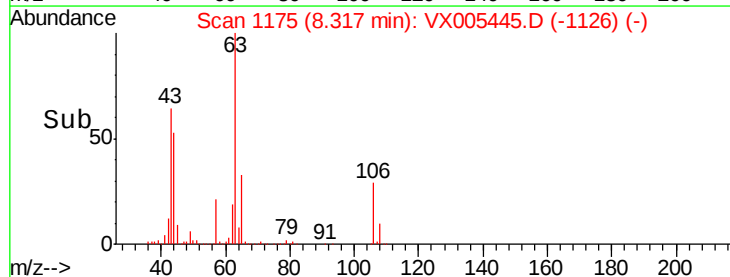
200000

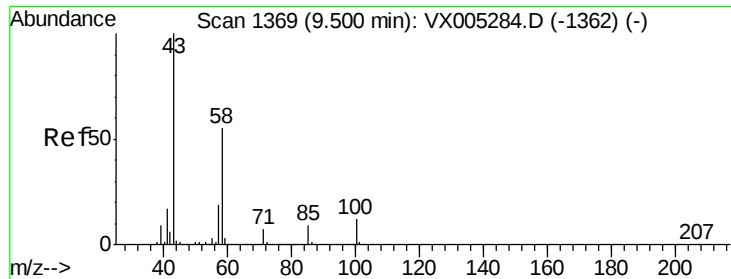
100000

0

8.20 8.30 8.40

Time-->





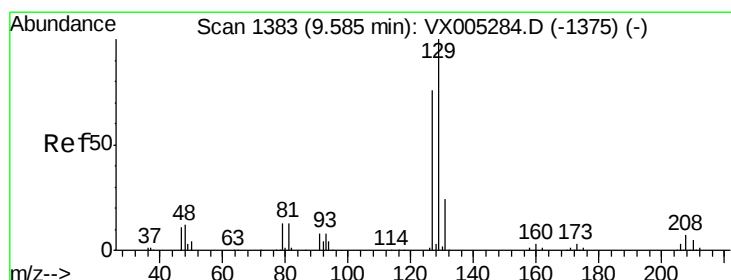
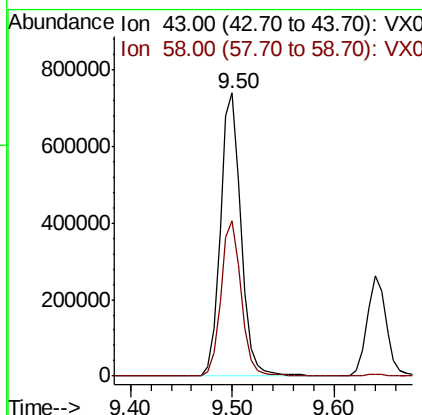
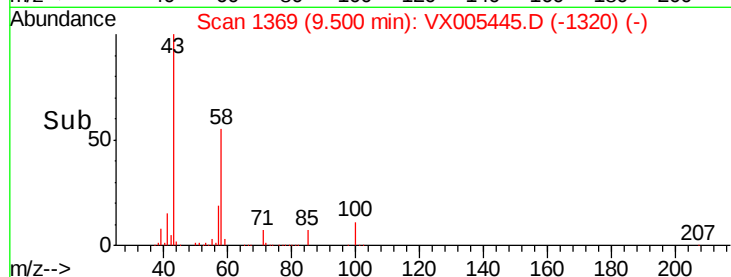
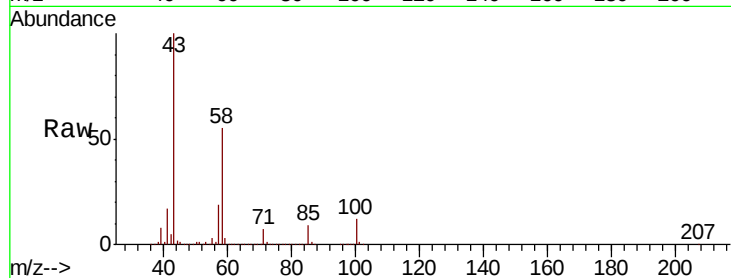
#59
2-Hexanone
Concen: 252.189 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VX005445.D
Acq: 19 Oct 2018 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1040404
Ion Ratio Lower Upper
43 100
58 54.3 29.0 87.0

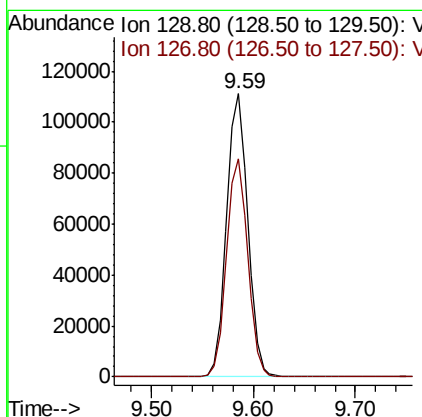
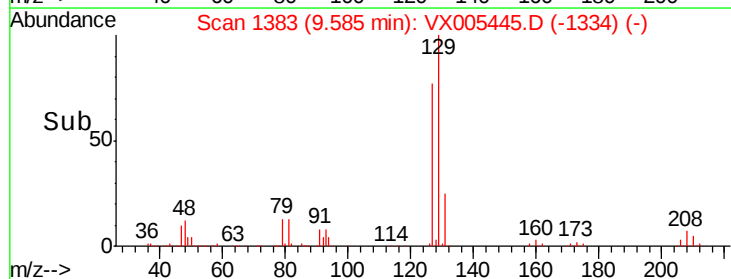
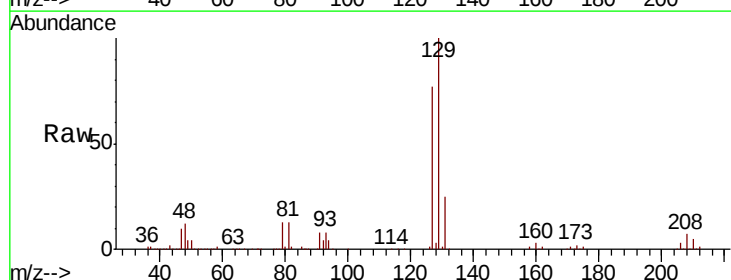
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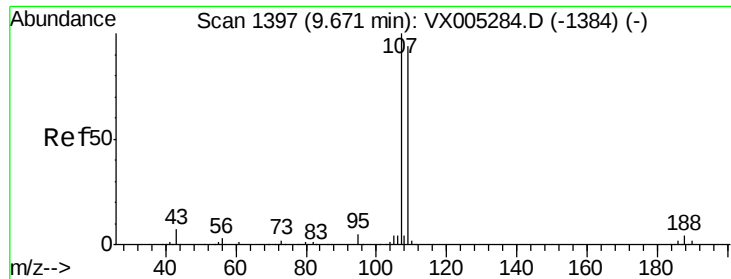
MMDadoda
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#60
Dibromochloromethane
Concen: 51.491 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX005445.D
Acq: 19 Oct 2018 09:20

Tgt Ion: 129 Resp: 159966
Ion Ratio Lower Upper
129 100
127 77.2 38.5 115.5





#61

1,2-Dibromoethane

Concen: 49.057 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX005445.D

Acq: 19 Oct 2018 09:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 154734

Ion Ratio Lower Upper

107 100

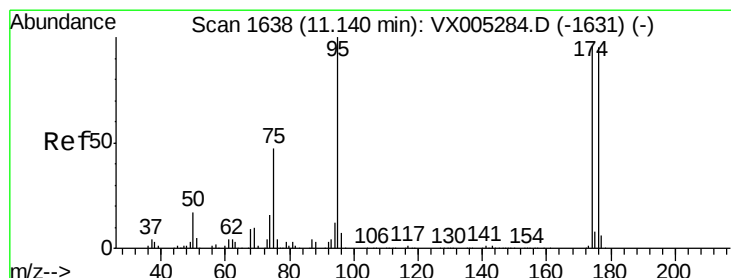
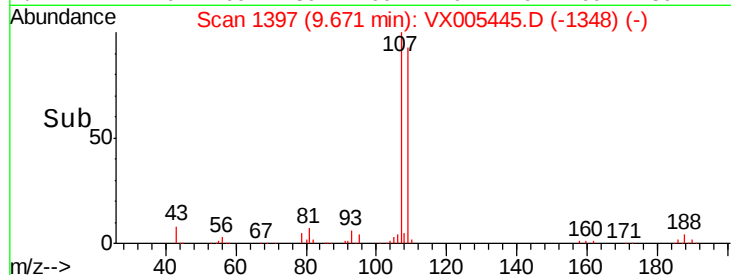
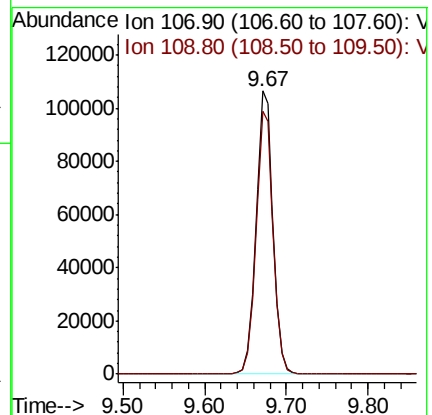
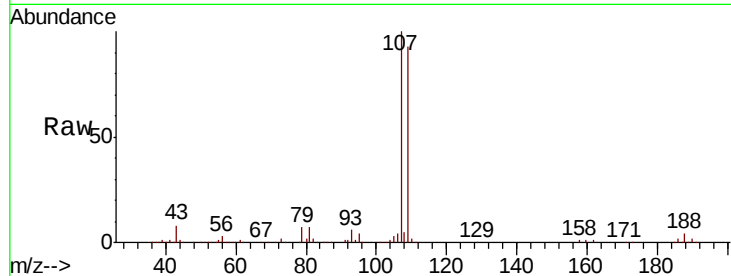
109 94.2 76.0 114.0

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 49.754 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX005445.D

Acq: 19 Oct 2018 09:20

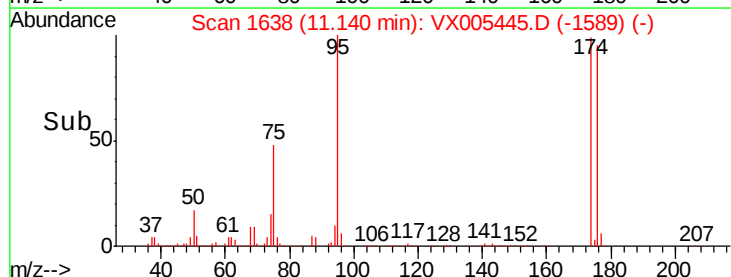
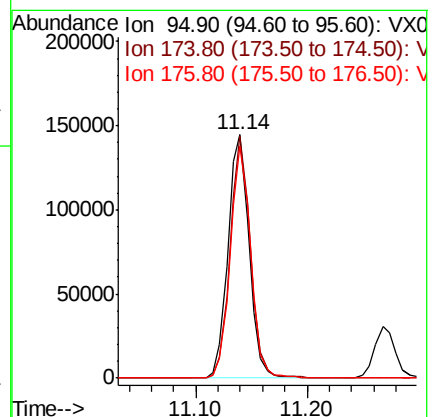
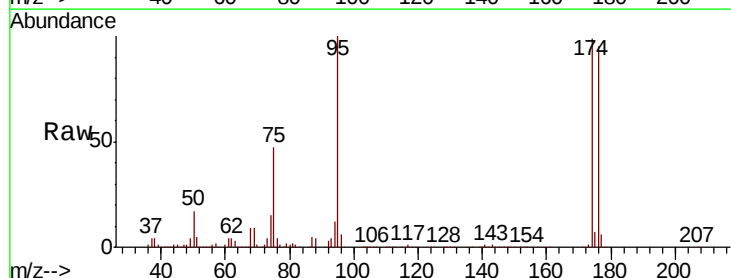
Tgt Ion: 95 Resp: 189730

Ion Ratio Lower Upper

95 100

174 95.0 0.0 185.2

176 91.8 0.0 178.6





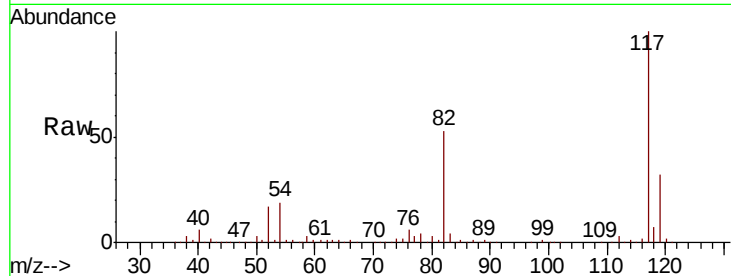
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005445.D
Acq: 19 Oct 2018 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.4	47.8	71.6
119	31.8	29.3	43.9

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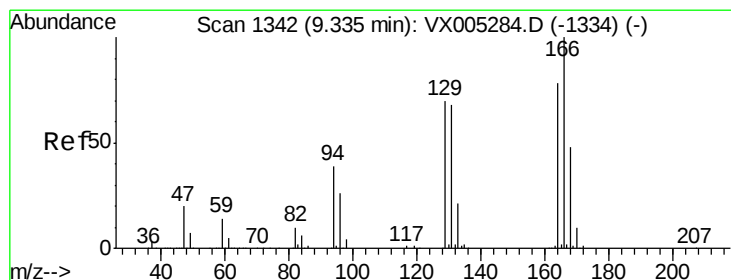
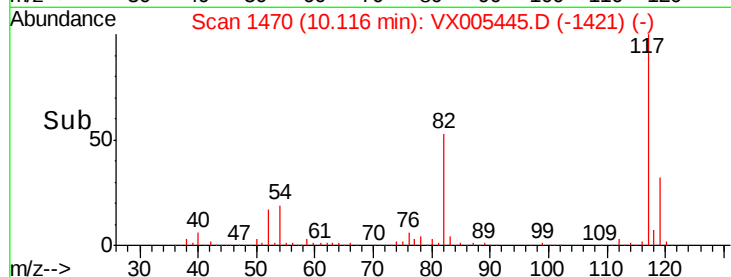
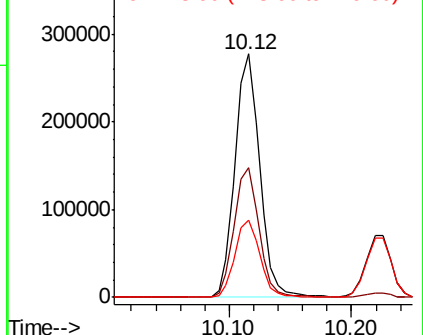


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 51.099 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX005445.D
Acq: 19 Oct 2018 09:20

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.6	102.8	154.2
129	89.6	69.4	104.0
131	84.3	67.9	101.9

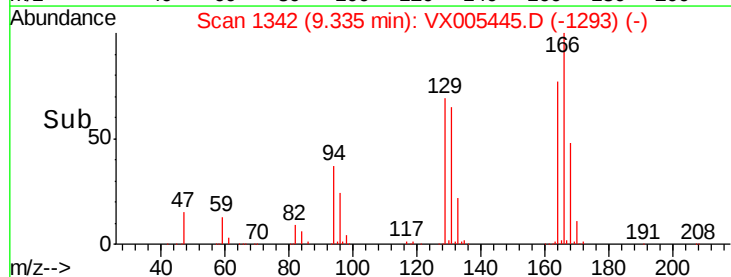
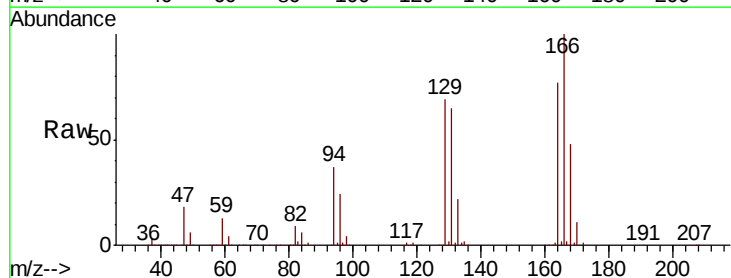
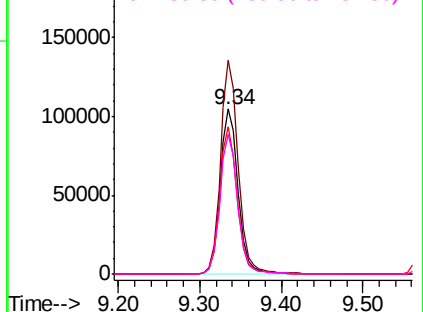
Abundance

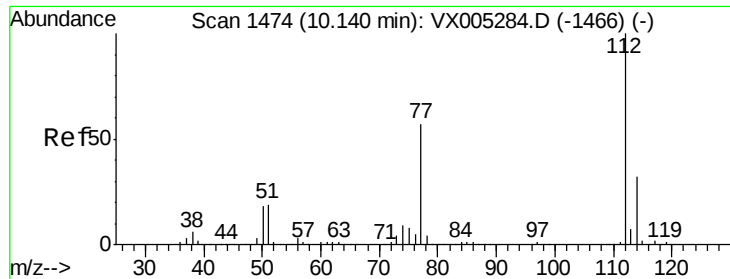
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





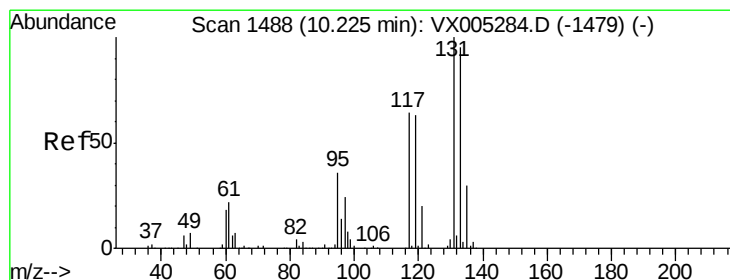
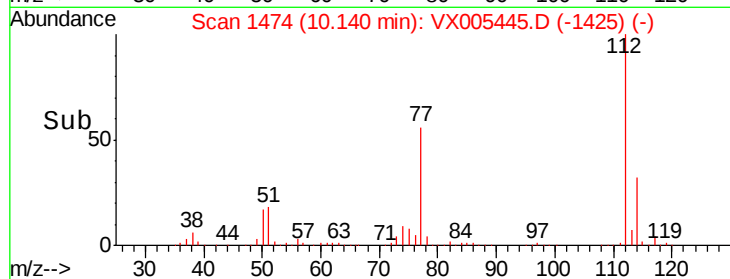
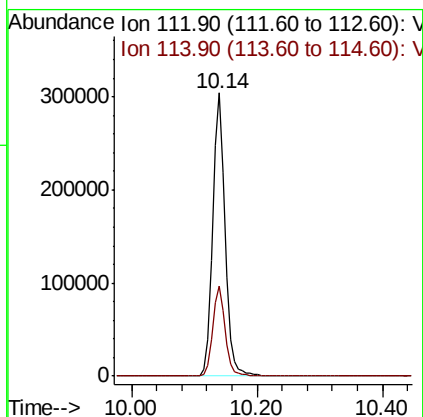
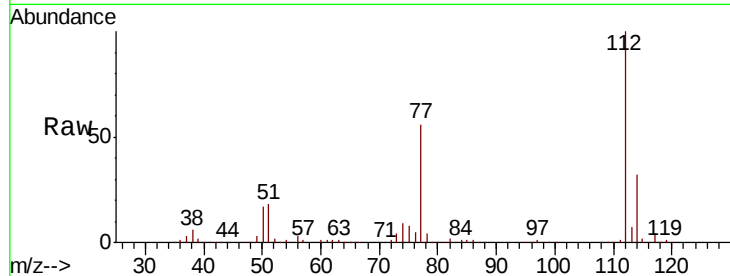
#65
Chlorobenzene
Concen: 50.231 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX005445.D
Acq: 19 Oct 2018 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 415019
Ion Ratio Lower Upper
112 100
114 32.0 27.8 41.8

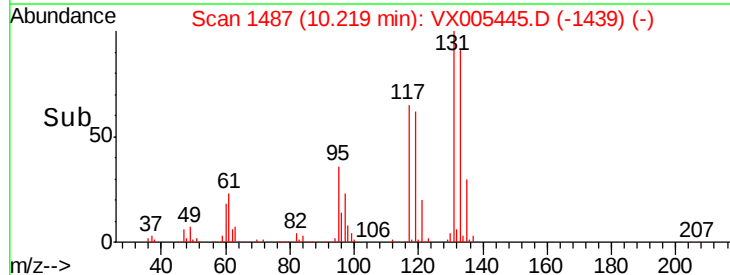
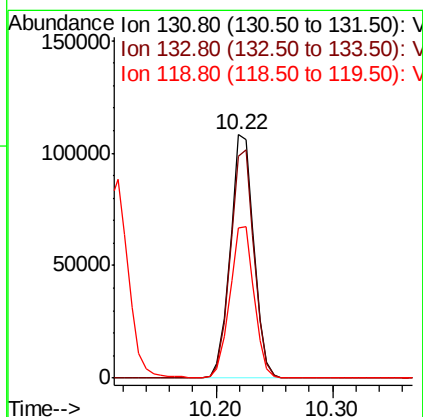
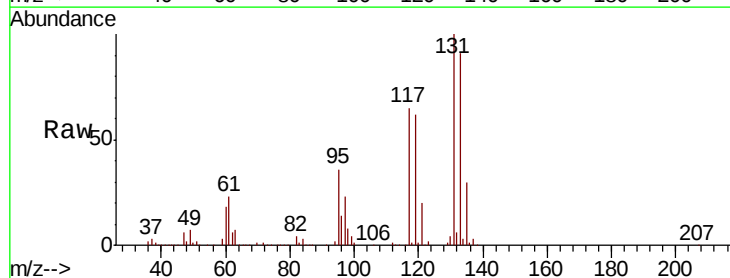
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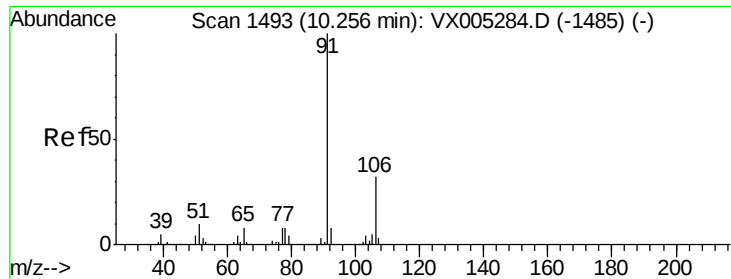
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.700 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.01 min
Lab File: VX005445.D
Acq: 19 Oct 2018 09:20

Tgt Ion:131 Resp: 152220
Ion Ratio Lower Upper
131 100
133 94.5 48.1 144.4
119 64.0 32.9 98.6





#67

Ethyl Benzene

Concen: 52.257 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VX005445.D

Acq: 19 Oct 2018 09:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 701888

Ion Ratio Lower Upper

91 100

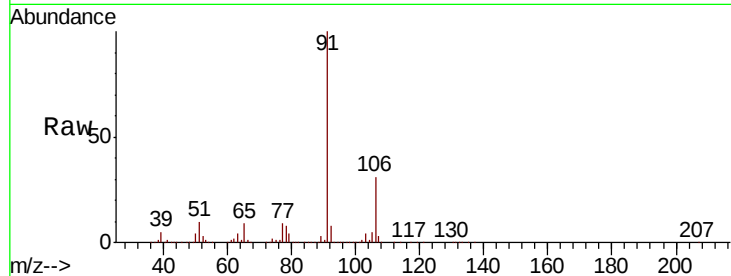
106 30.9 25.9 38.9

Manual Integrations

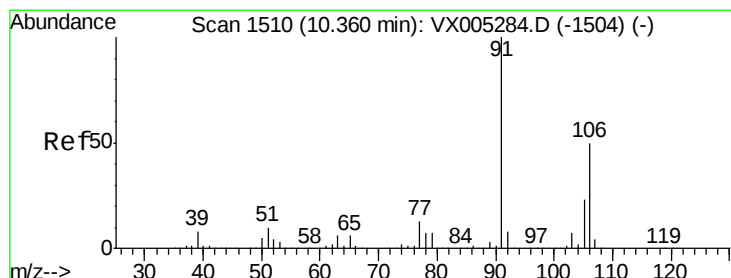
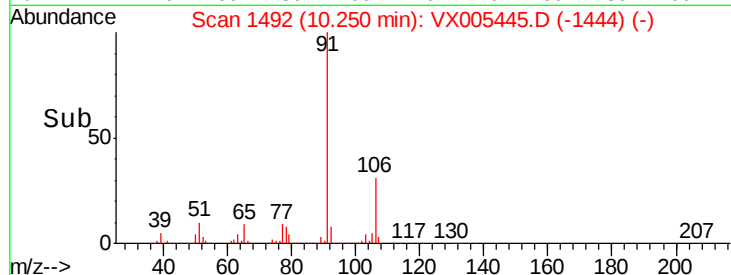
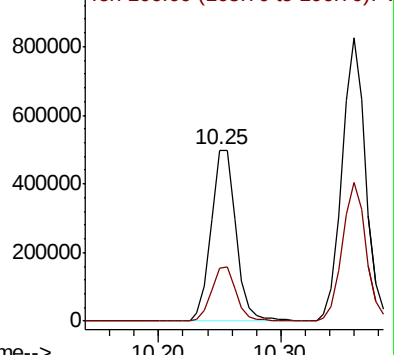
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Abundance Ion 91.00 (90.70 to 91.70): VX005284.D (-1485) (-)



#68

m/p-Xylenes

Concen: 105.893 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX005445.D

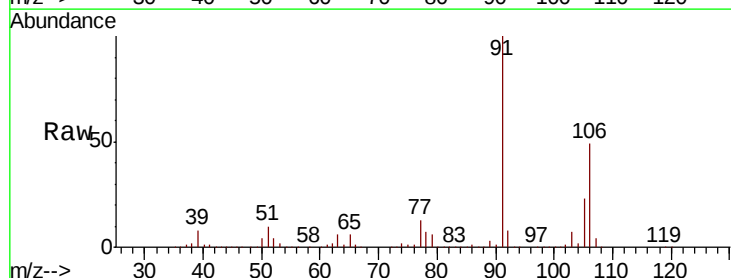
Acq: 19 Oct 2018 09:20

Tgt Ion: 106 Resp: 552052

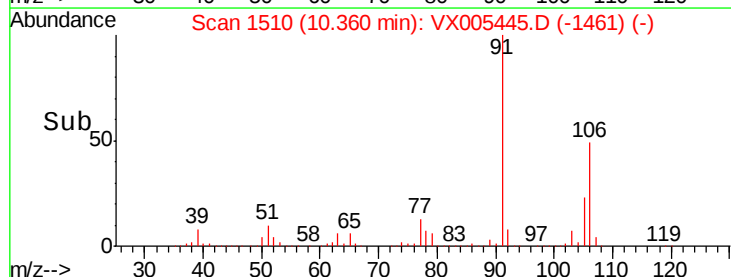
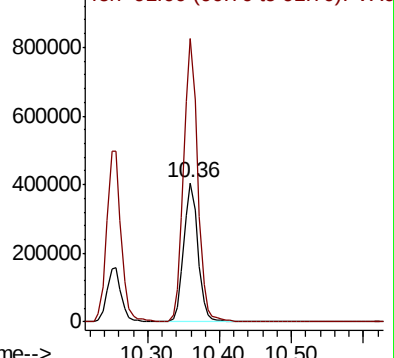
Ion Ratio Lower Upper

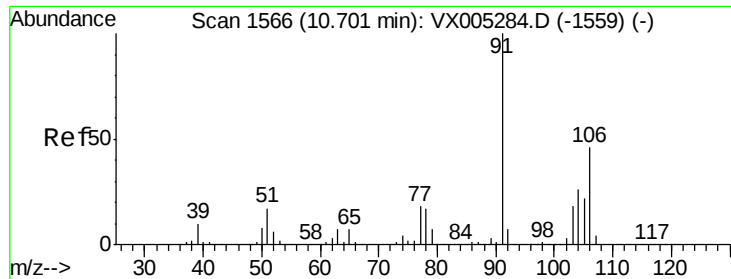
106 100

91 202.1 157.1 235.7



Abundance Ion 106.00 (105.70 to 106.70): VX005284.D (-1504) (-)





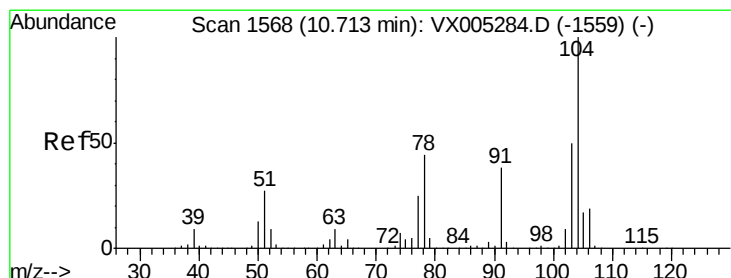
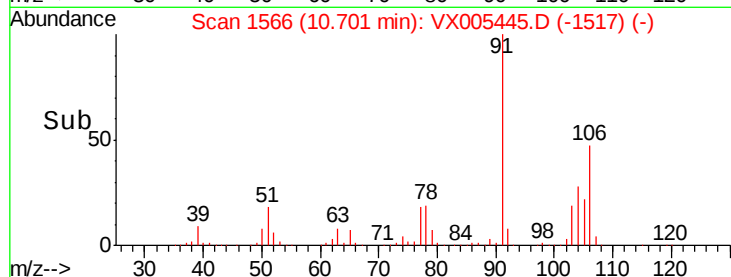
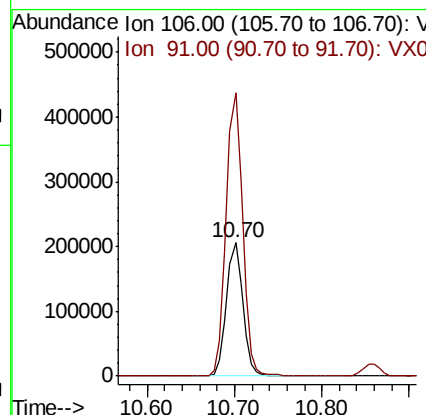
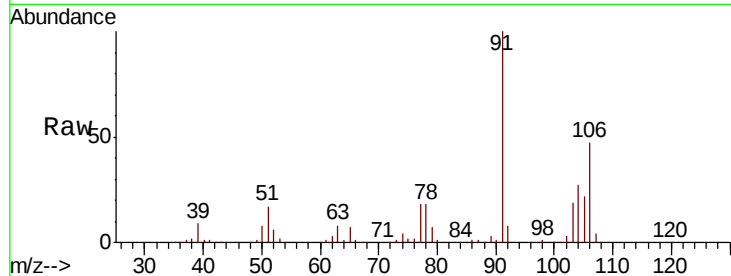
#69
o-Xylene
Concen: 53.089 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX005445.D
Acq: 19 Oct 2018 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 266926
Ion Ratio Lower Upper
106 100
91 214.0 105.1 315.1

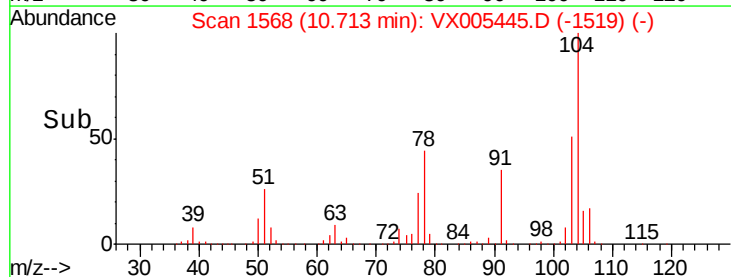
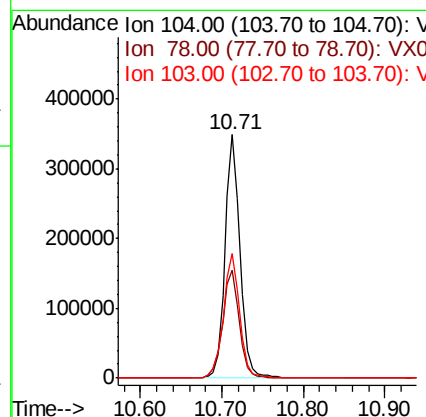
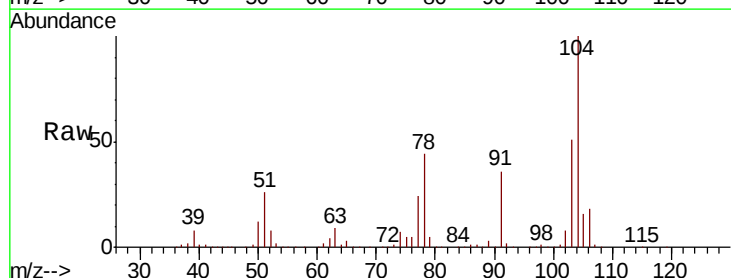
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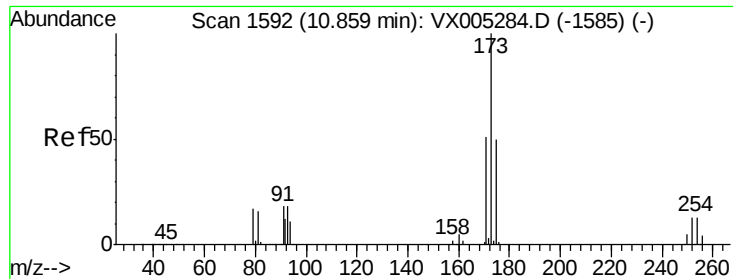
MMDadoda
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#70
Styrene
Concen: 54.294 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX005445.D
Acq: 19 Oct 2018 09:20

Tgt Ion:104 Resp: 449001
Ion Ratio Lower Upper
104 100
78 49.7 37.4 56.0
103 55.7 43.8 65.6





#71

Bromoform

Concen: 52.887 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX005445.D

Acq: 19 Oct 2018 09:20

Instrument :

MSVOA_X

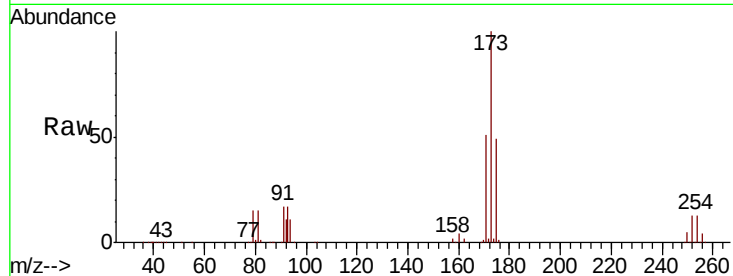
ClientSampled :

VSTDCCC050

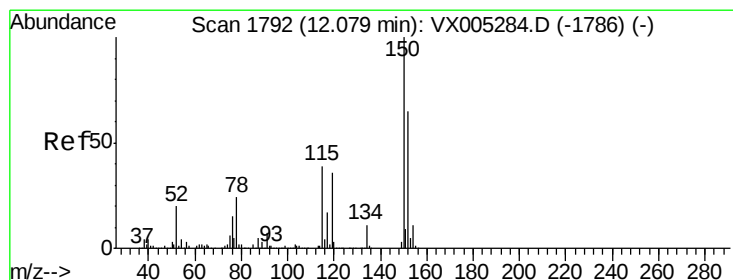
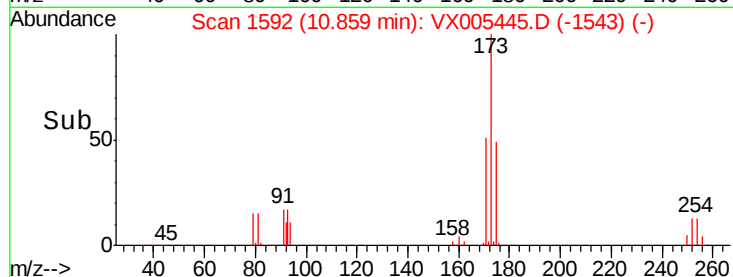
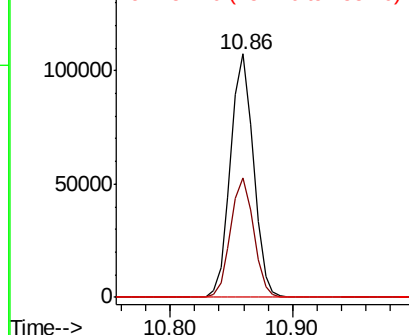
Tot Ion:	173	Resp:	139153
Ion Ratio	Lower	Upper	
173	100		
175	49.3	24.1	72.3
254	0.2	0.2	0.2

Manual Integrations
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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

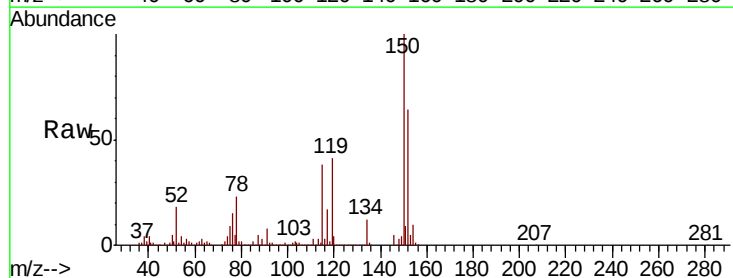
RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

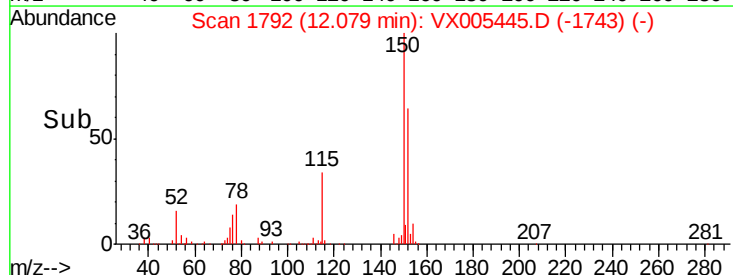
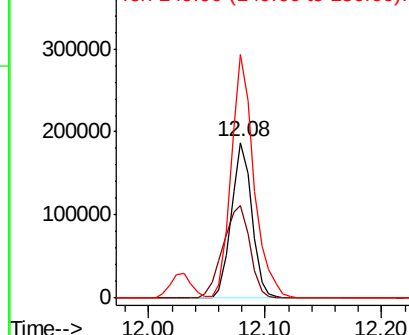
Lab File: VX005445.D

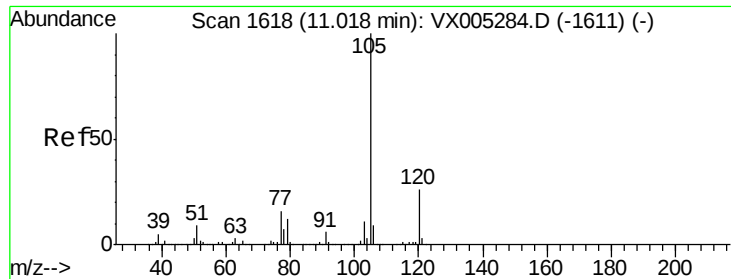
Acq: 19 Oct 2018 09:20

Tgt Ion:	152	Resp:	228489
Ion Ratio	Lower	Upper	
152	100		
115	77.4	39.0	117.0
150	174.0	0.0	351.0



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





#73

Isopropylbenzene

Concen: 53.649 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX005445.D

Acq: 19 Oct 2018 09:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 728714

Ion Ratio Lower Upper

105 100

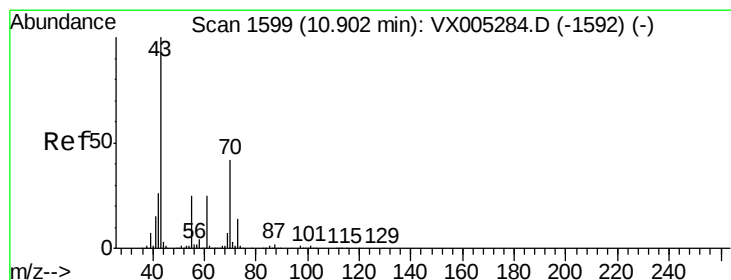
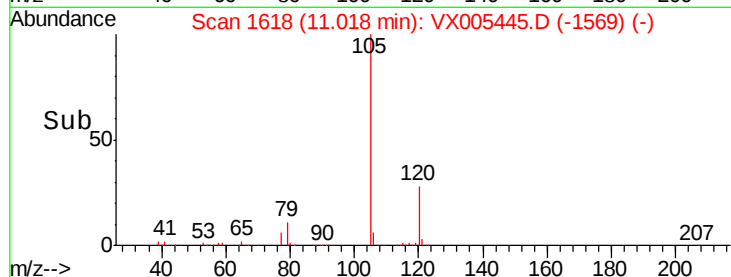
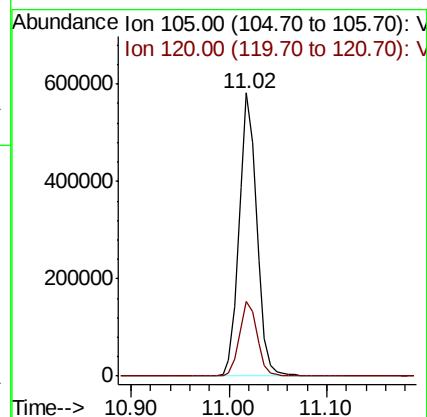
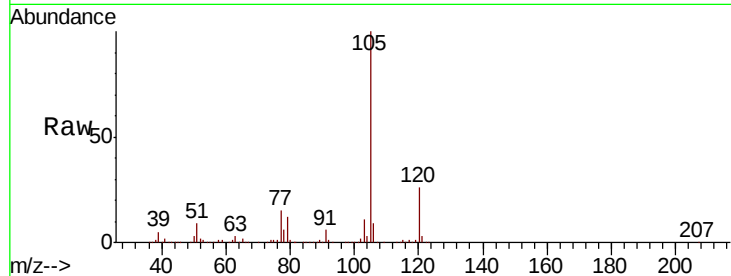
120 26.8 13.5 40.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 52.555 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.01 min

Lab File: VX005445.D

Acq: 19 Oct 2018 09:20

Tgt Ion: 43 Resp: 344303

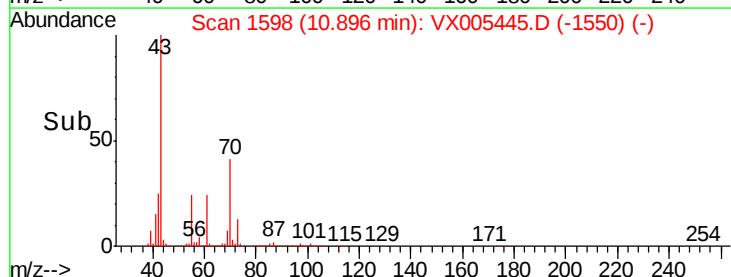
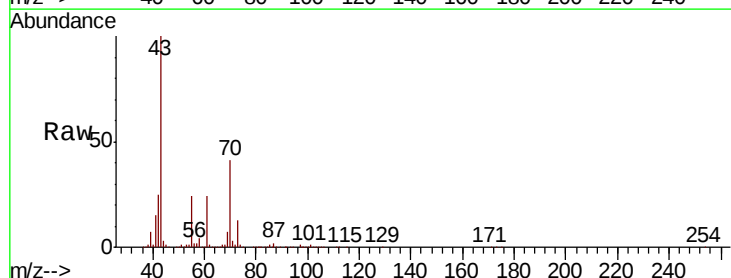
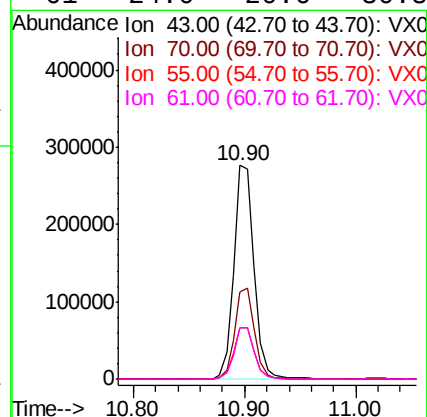
Ion Ratio Lower Upper

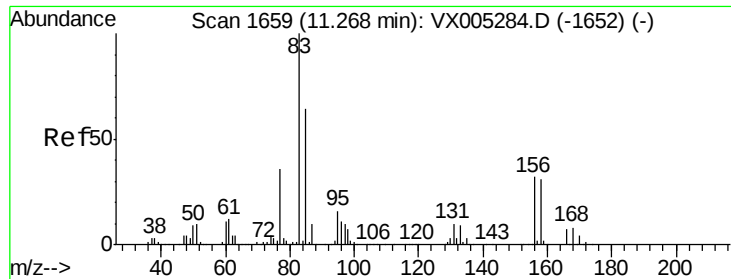
43 100

70 41.9 37.4 56.0

55 24.7 21.8 32.8

61 24.0 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 48.861 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX005445.D

Acq: 19 Oct 2018 09:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 250357

Ion Ratio Lower Upper

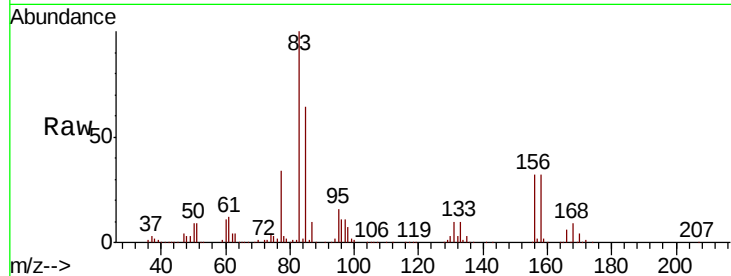
83 100

131 10.5 5.2 15.6

85 64.1 32.3 96.8

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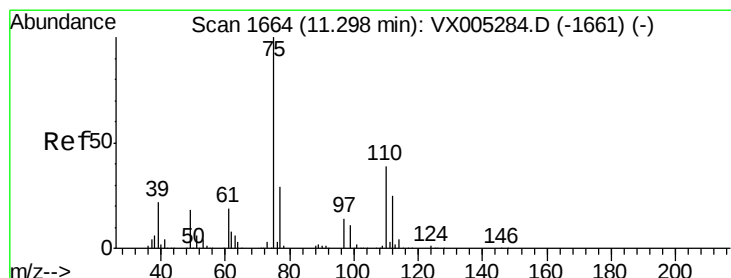
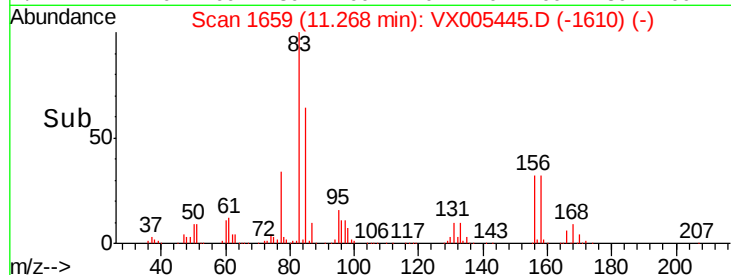
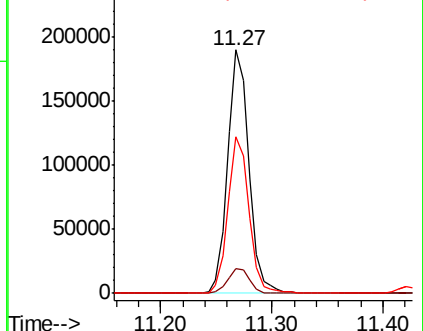
MMDadoda
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 52.382 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX005445.D

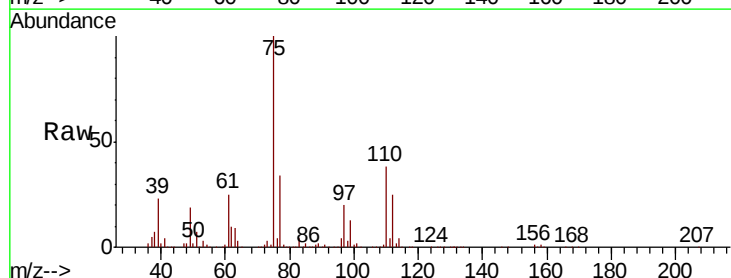
Acq: 19 Oct 2018 09:20

Tgt Ion: 75 Resp: 232161

Ion Ratio Lower Upper

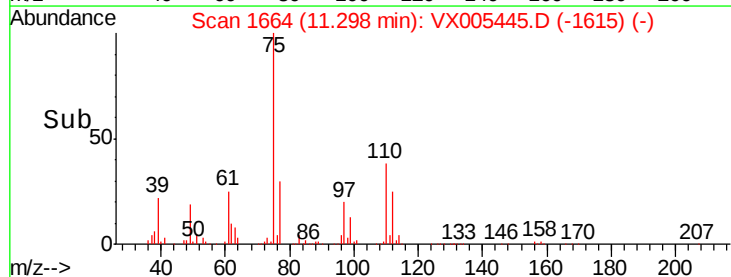
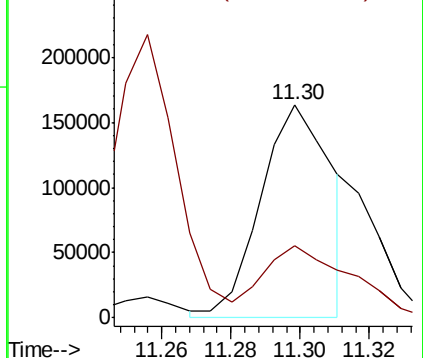
75 100

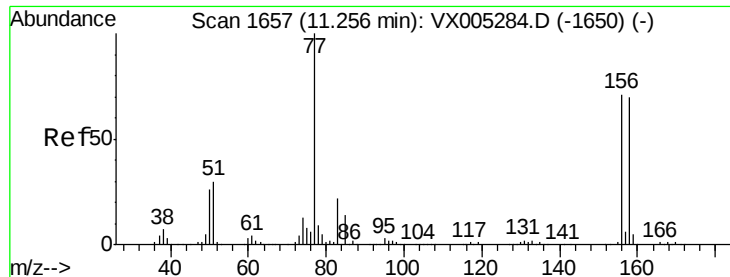
77 42.4 20.2 60.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 51.083 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX005445.D

Acq: 19 Oct 2018 09:20

Instrument :

MSVOA_X

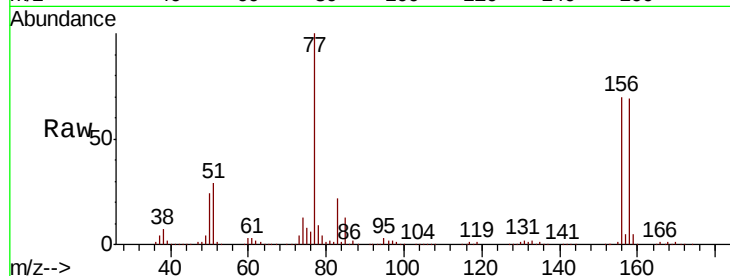
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		198391		
77	140.7	71.5	214.3		
158	97.8	48.9	146.8		

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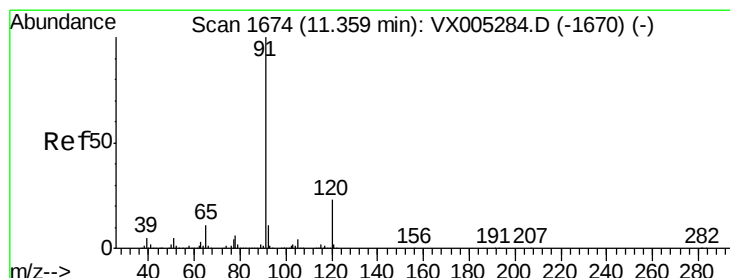
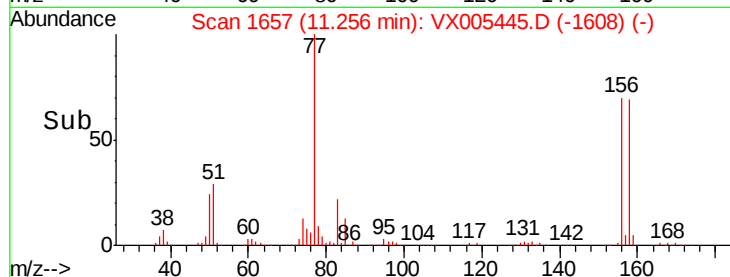
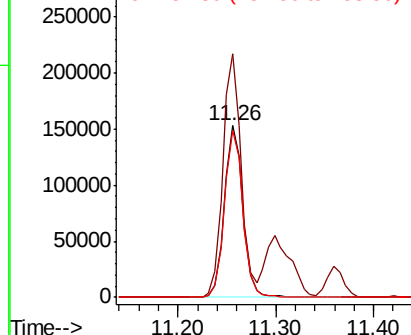


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.801 ug/l

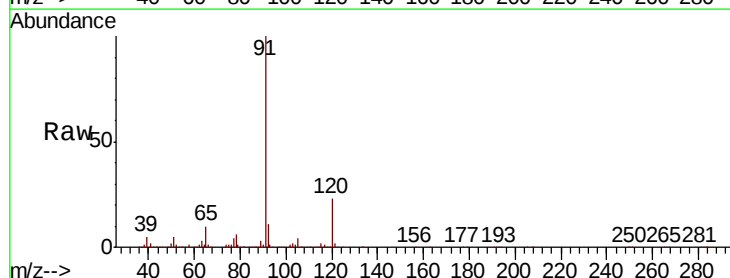
RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX005445.D

Acq: 19 Oct 2018 09:20

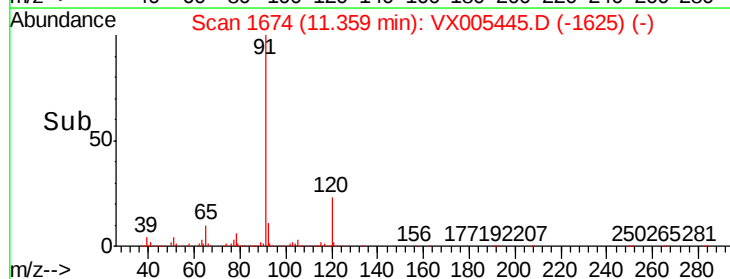
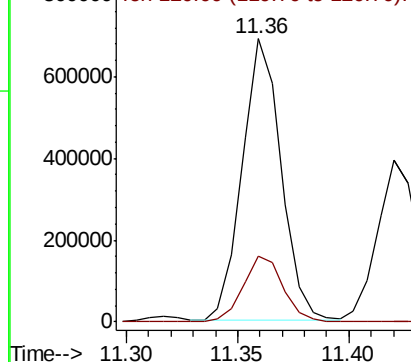
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		840938		
120	24.2	11.9	35.9		

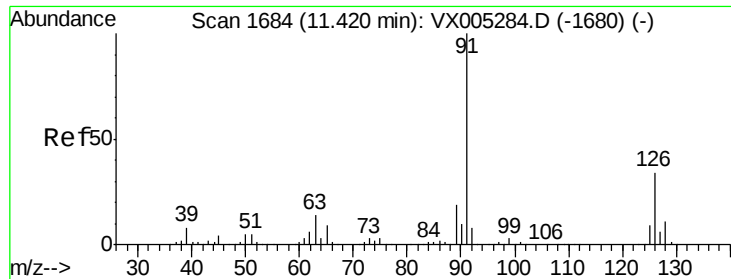


Abundance

Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.901 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX005445.D

Acq: 19 Oct 2018 09:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 496826

Ion Ratio Lower Upper

91 100

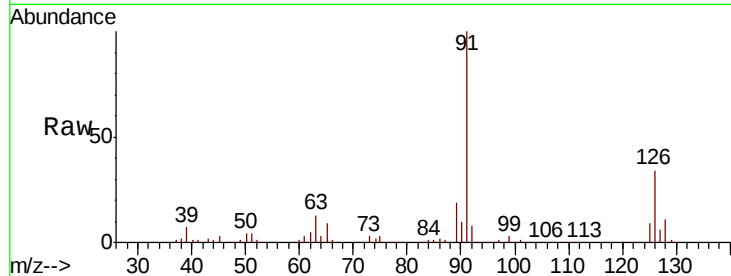
126 35.3 17.9 53.7

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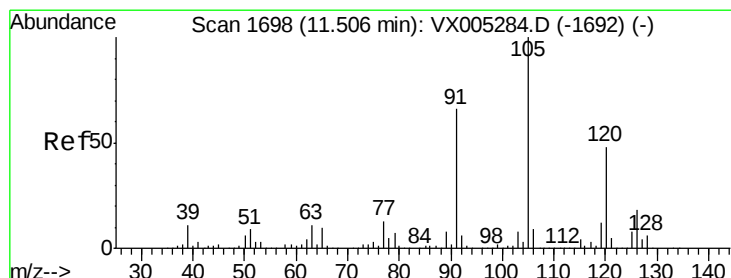
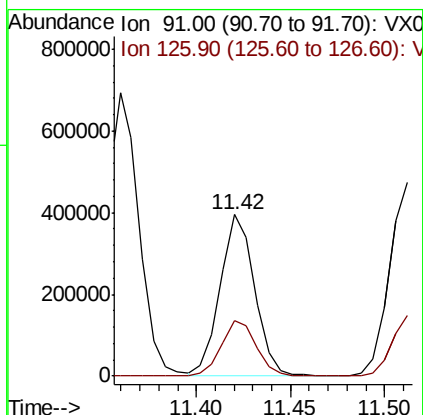
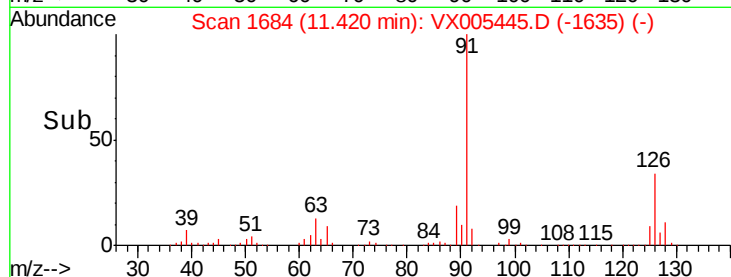
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Abundance Ion 91.00 (90.70 to 91.70): VX005284.D (-1680) (-)

Ion 125.90 (125.60 to 126.60): VX005284.D (-1680) (-)



#80

1,3,5-Trimethylbenzene

Concen: 54.158 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX005445.D

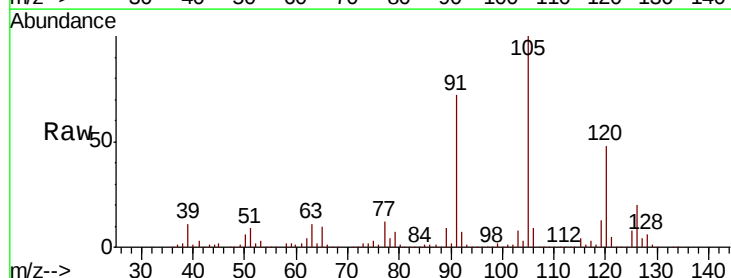
Acq: 19 Oct 2018 09:20

Tgt Ion: 105 Resp: 629947

Ion Ratio Lower Upper

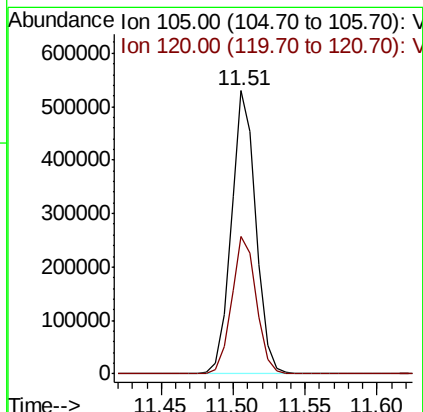
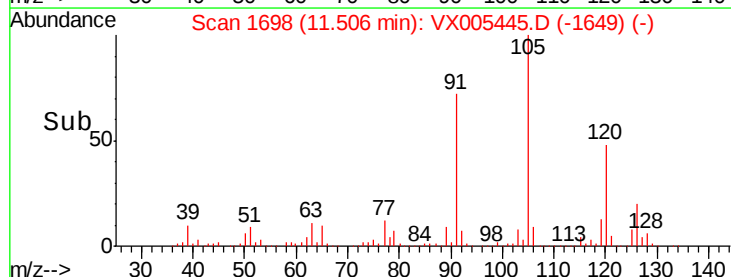
105 100

120 48.9 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): VX005284.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX005284.D (-1692) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 53.488 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX005445.D

Acq: 19 Oct 2018 09:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 78020

Ion Ratio Lower Upper

75 100

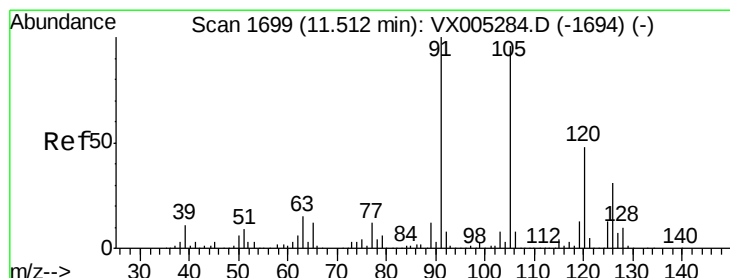
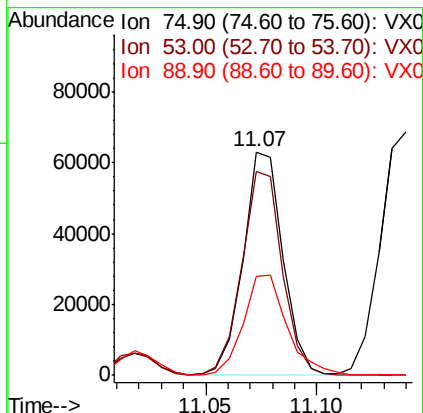
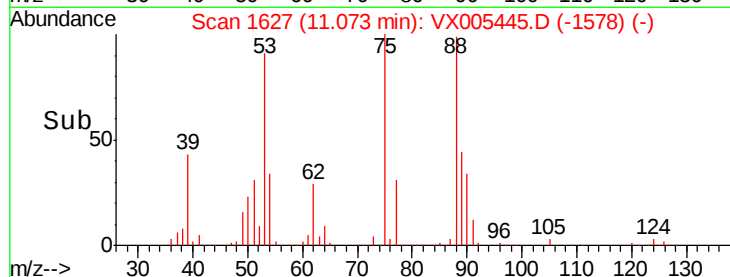
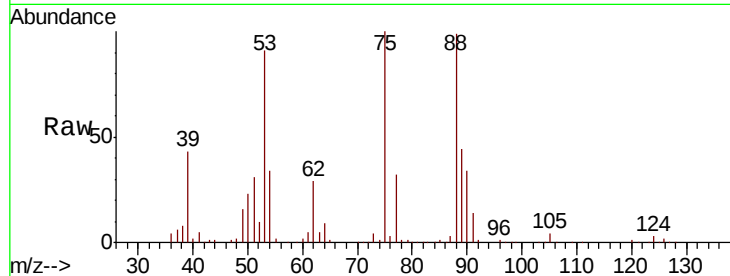
53 93.7 80.1 120.1

89 49.9 37.2 55.8

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#82

4-Chlorotoluene

Concen: 52.197 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX005445.D

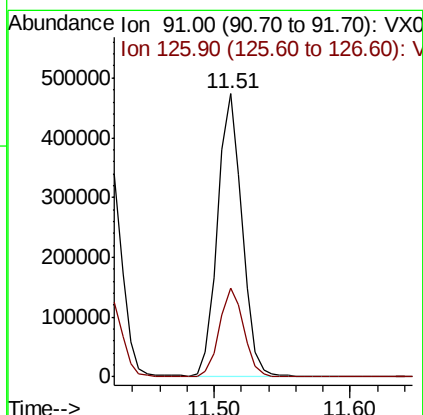
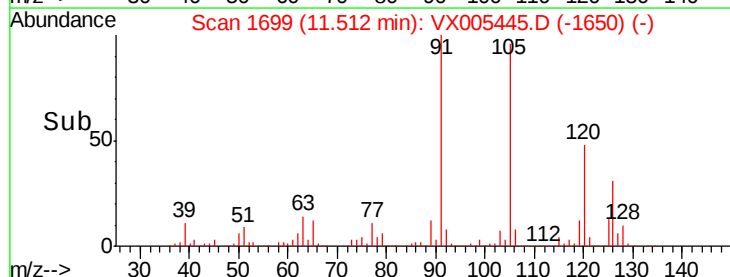
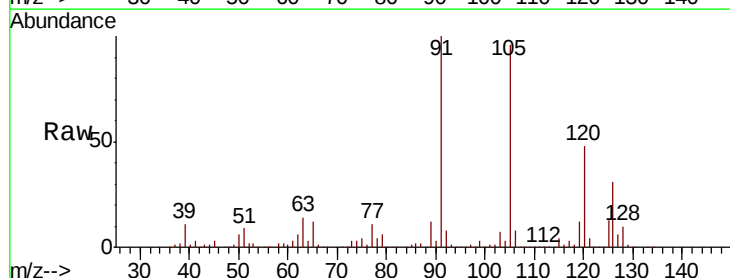
Acq: 19 Oct 2018 09:20

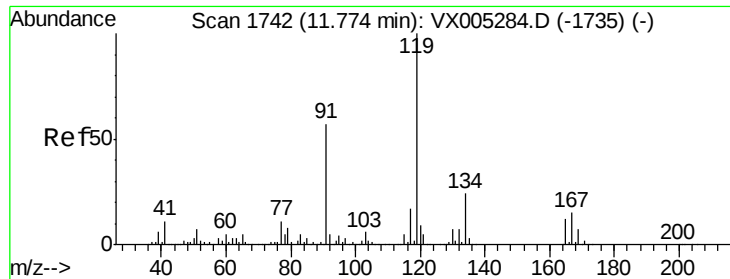
Tgt Ion: 91 Resp: 592308

Ion Ratio Lower Upper

91 100

126 31.3 15.5 46.5





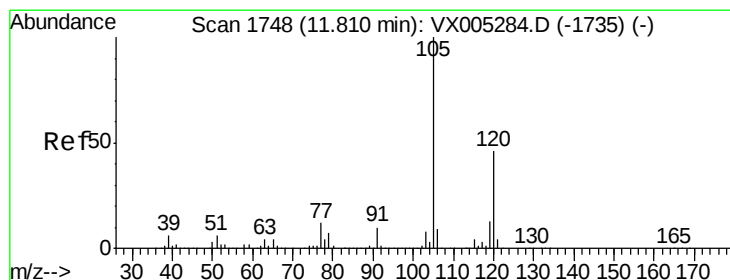
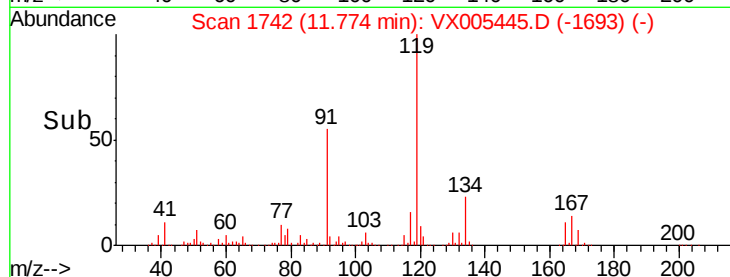
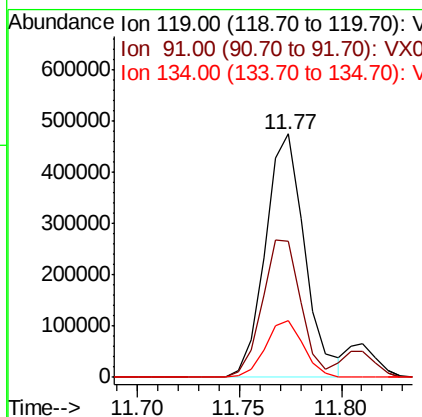
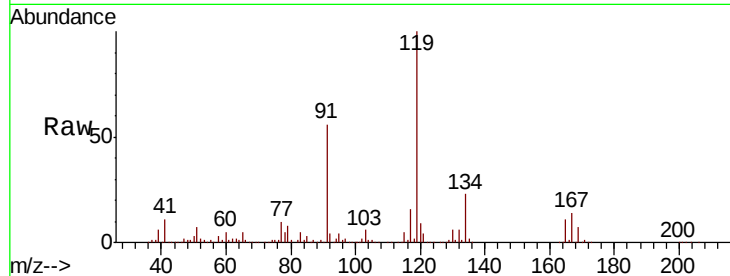
#83
tert-Butylbenzene
Concen: 54.257 ug/l
RT: 11.77 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX005445.D
Acq: 19 Oct 2018 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	55.3	27.0	81.0
134	22.7	11.7	35.1

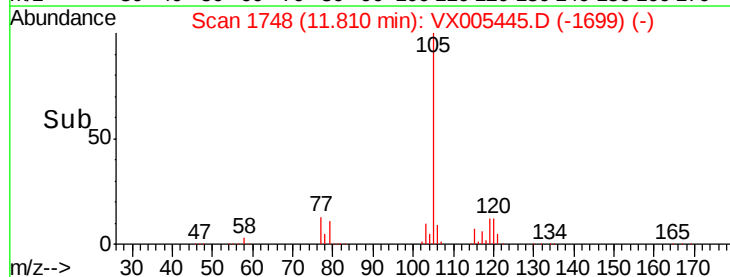
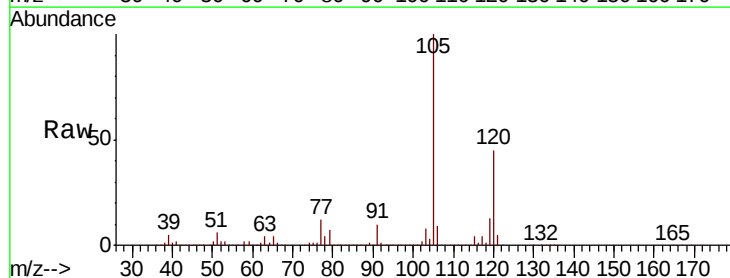
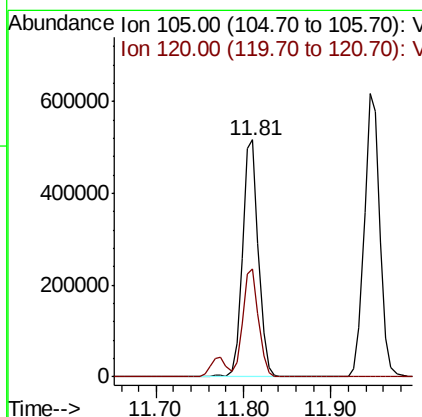
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#84
1,2,4-Trimethylbenzene
Concen: 54.586 ug/l
RT: 11.81 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VX005445.D
Acq: 19 Oct 2018 09:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	23.2	69.6





#85

sec-Butylbenzene

Concen: 54.937 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX005445.D

Acq: 19 Oct 2018 09:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 765781

Ion Ratio Lower Upper

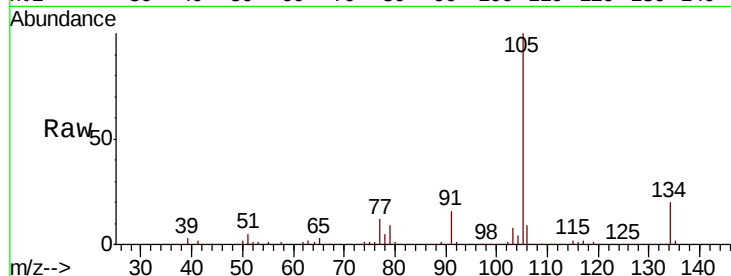
105 100

134 20.6 10.5 31.5

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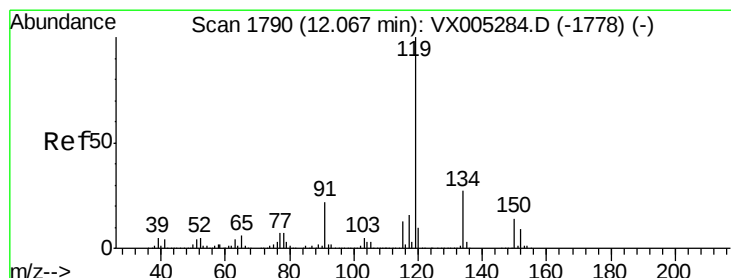
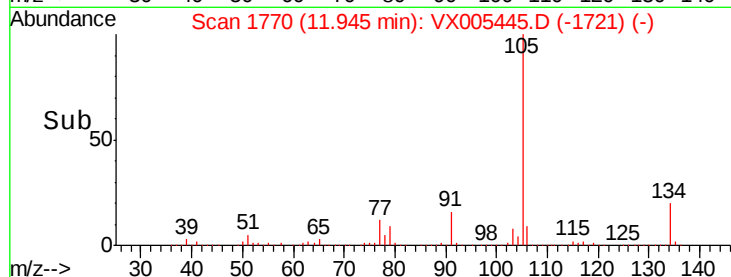
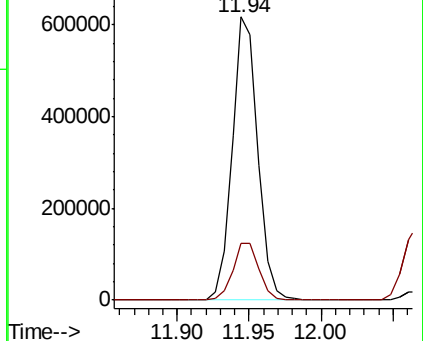
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 55.498 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX005445.D

Acq: 19 Oct 2018 09:20

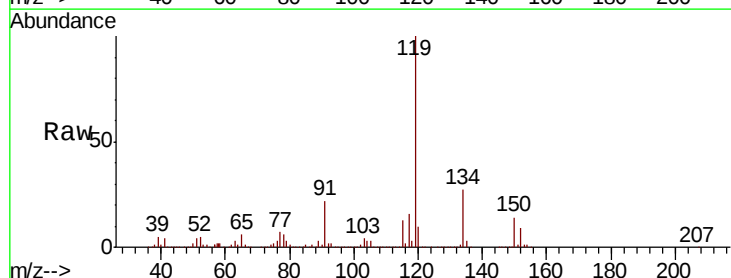
Tgt Ion:119 Resp: 699217

Ion Ratio Lower Upper

119 100

134 26.5 13.4 40.2

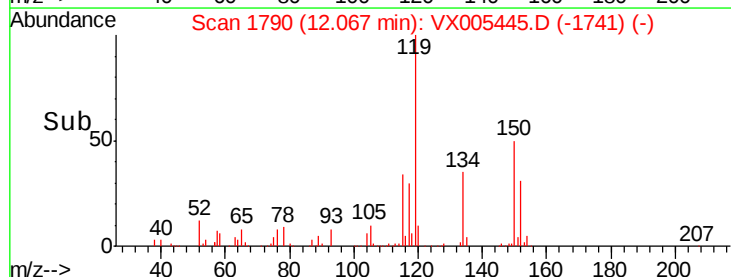
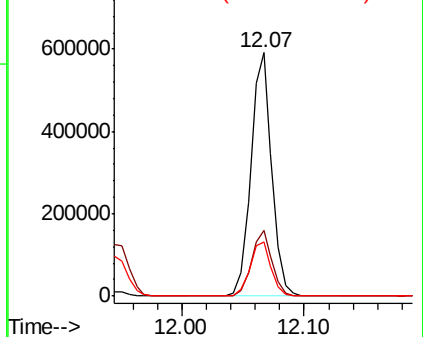
91 22.5 10.9 32.7

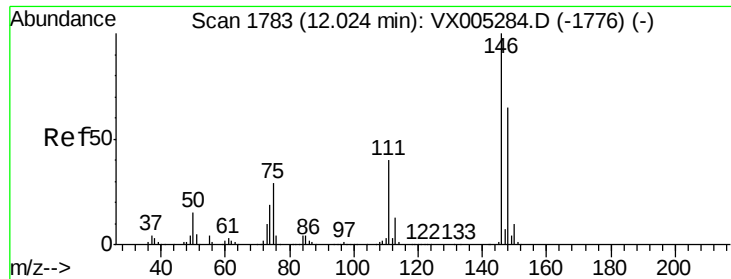


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 51.775 ug/l

RT: 12.03 min Scan# 1784

Delta R.T. 0.01 min

Lab File: VX005445.D

Acq: 19 Oct 2018 09:20

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:146 Resp: 375746

Ion Ratio Lower Upper

146 100

111 37.5 18.7 56.1

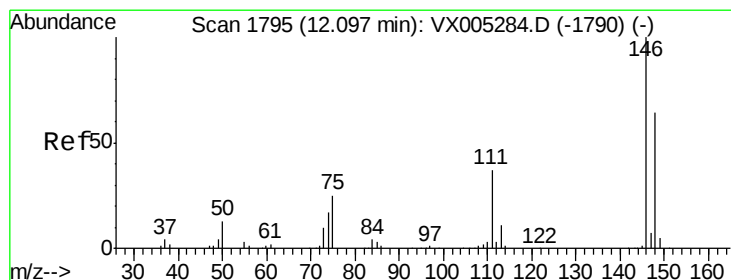
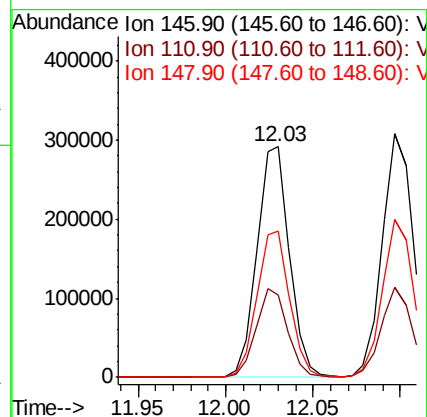
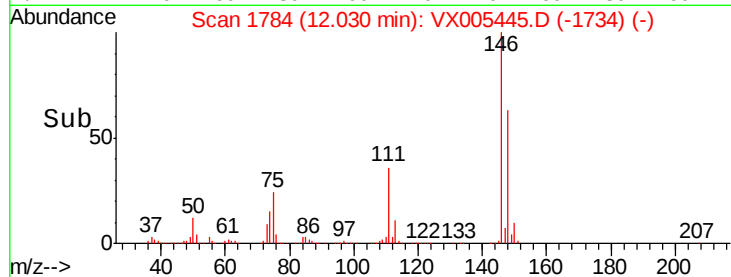
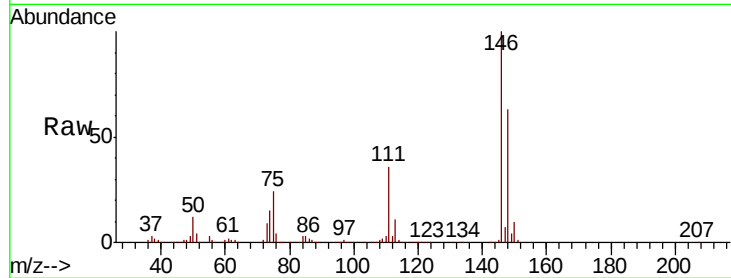
148 63.8 32.1 96.5

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#88

1,4-Dichlorobenzene

Concen: 51.375 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX005445.D

Acq: 19 Oct 2018 09:20

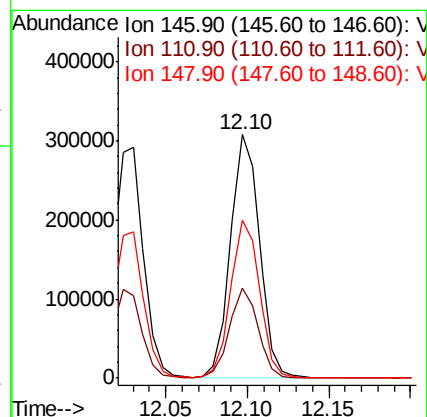
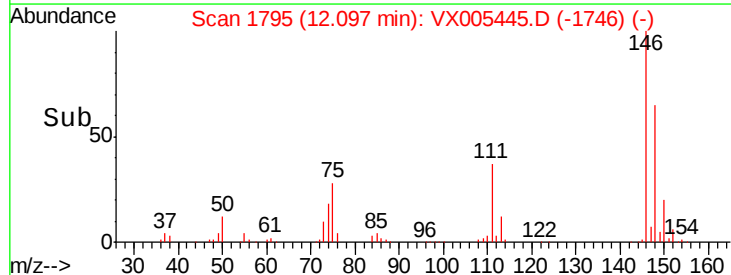
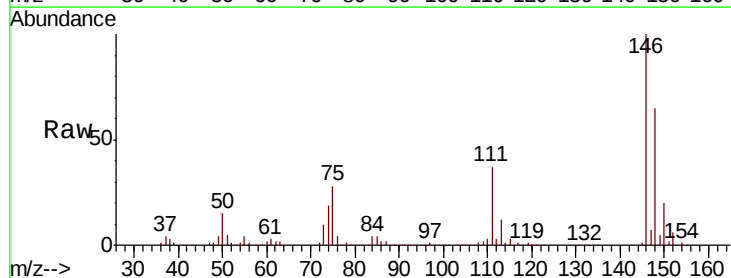
Tgt Ion:146 Resp: 381420

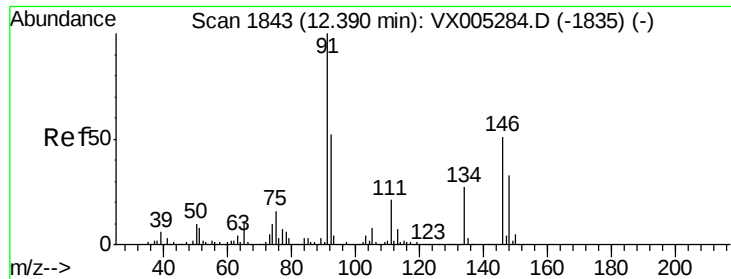
Ion Ratio Lower Upper

146 100

111 36.8 18.1 54.1

148 64.7 32.0 96.0





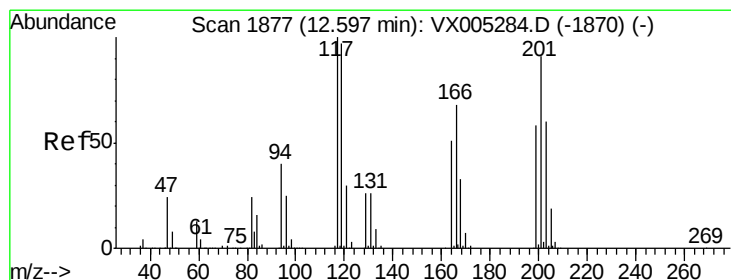
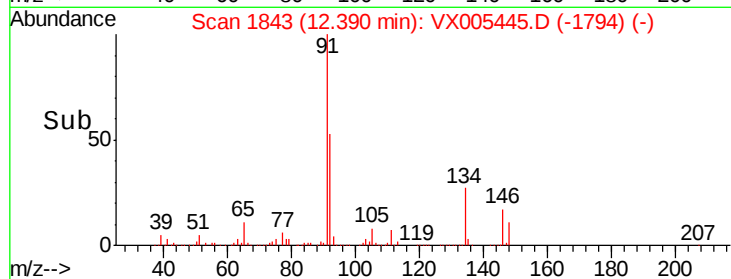
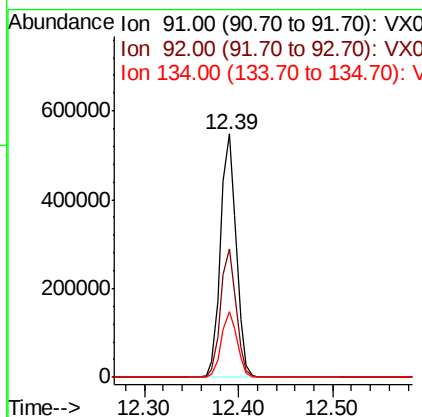
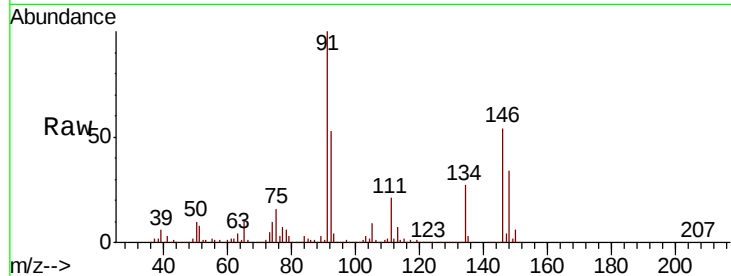
#89
n-Butylbenzene
Concen: 55.352 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX005445.D
Acq: 19 Oct 2018 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	27.3	81.9
134	27.0	13.6	40.7

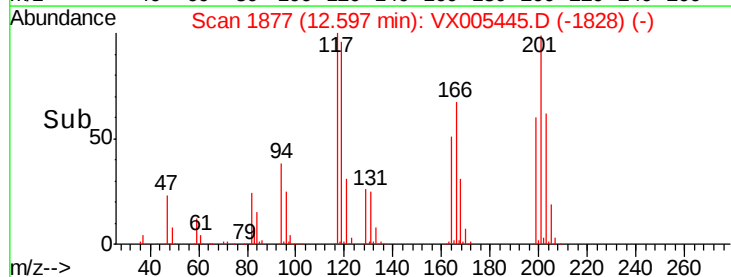
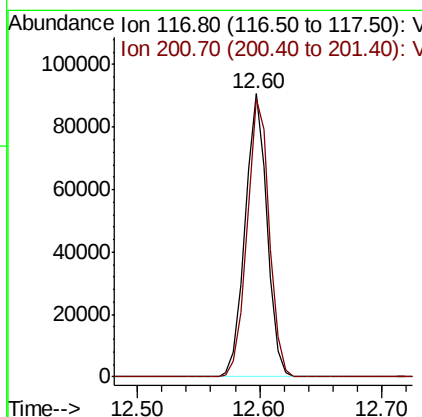
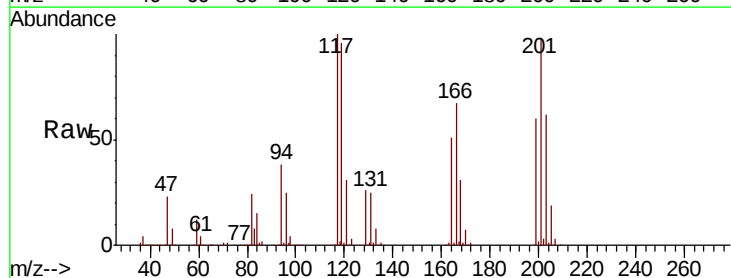
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#90
Hexachloroethane
Concen: 51.569 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX005445.D
Acq: 19 Oct 2018 09:20

Tgt Ion	Ratio	Lower	Upper
117	100		
201	100.0	46.9	140.6





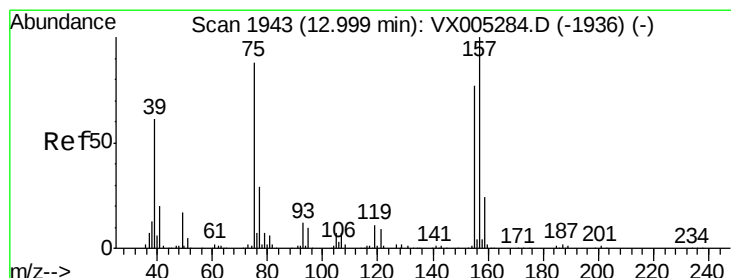
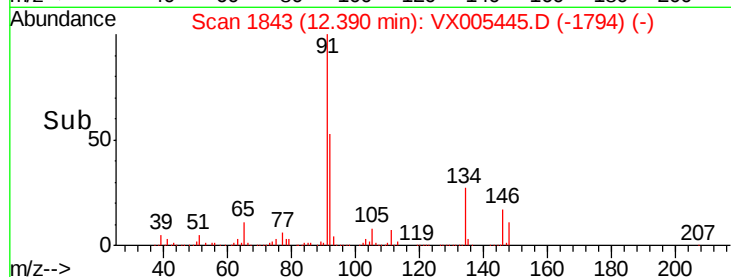
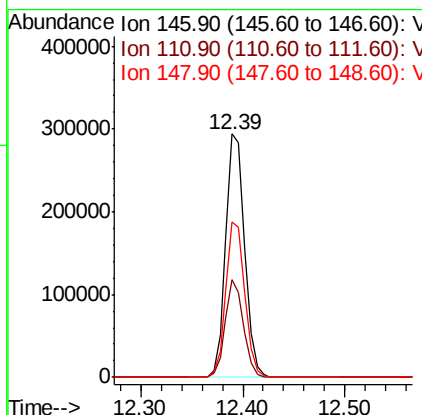
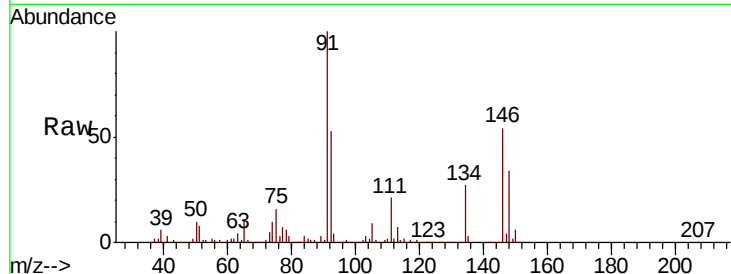
#91
 1,2-Dichlorobenzene
 Concen: 50.991 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX005445.D
 Acq: 19 Oct 2018 09:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.4	58.1
148	64.1	32.8	98.3

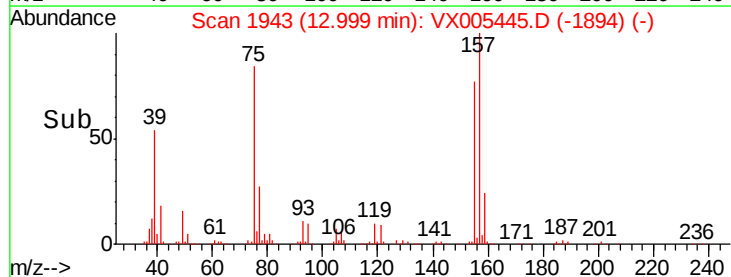
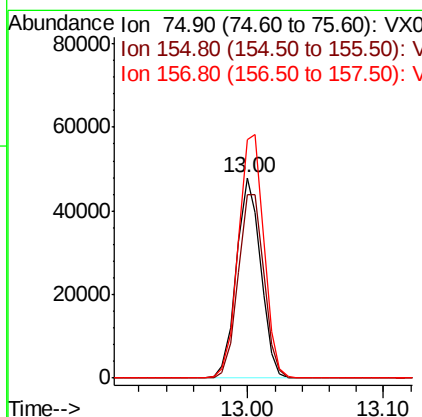
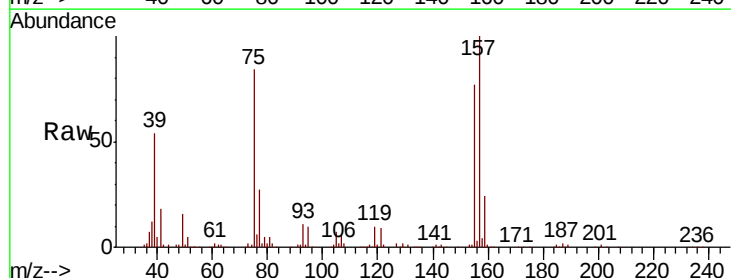
Manual Integrations
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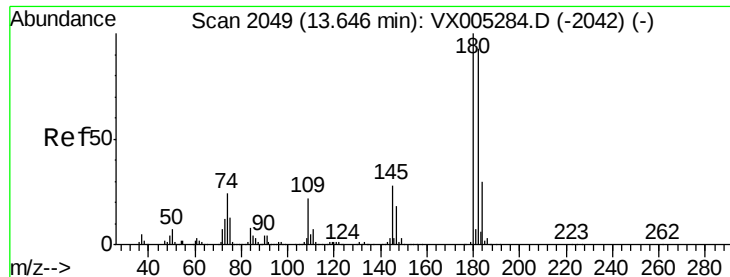
MMDadoda
 10/22/2018 11:06:47 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.529 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX005445.D
 Acq: 19 Oct 2018 09:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.5	48.0	144.2
157	127.5	61.4	184.1





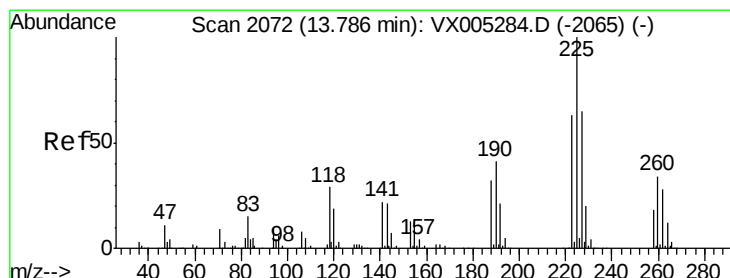
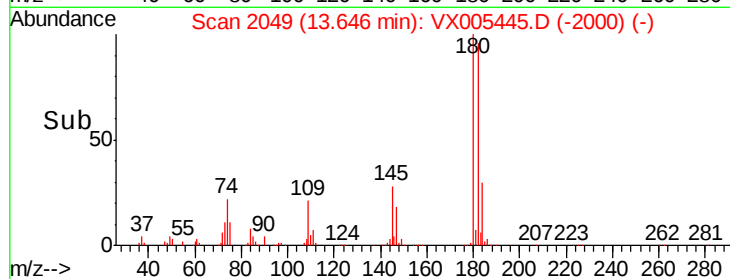
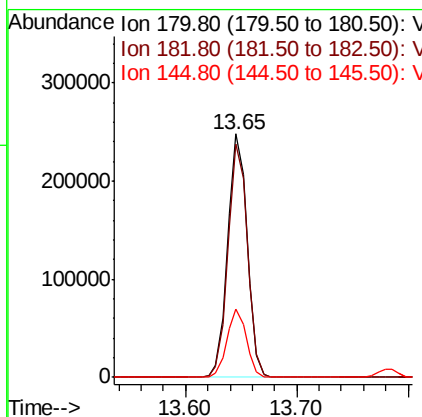
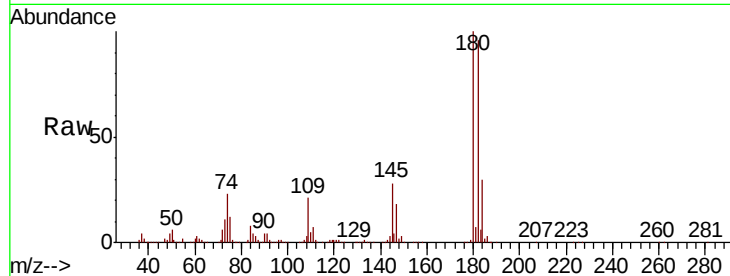
#93
1,2,4-Trichlorobenzene
Concen: 55.235 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. 0.00 min
Lab File: VX005445.D
Acq: 19 Oct 2018 09:20

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	300115		
182	95.5	48.4	145.0	
145	27.7	14.3	42.9	

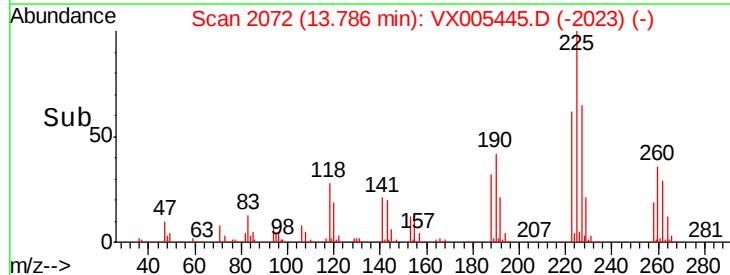
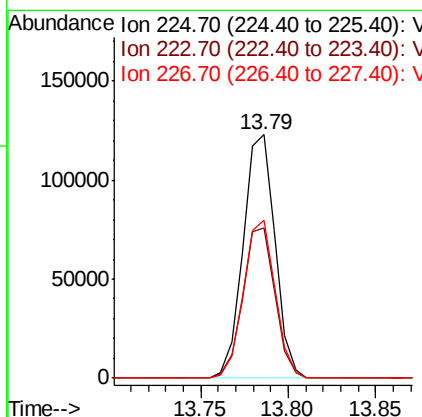
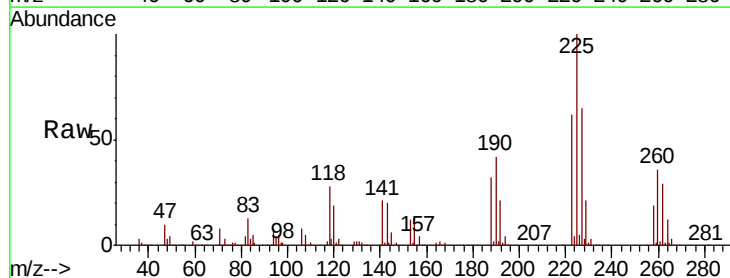
Manual Integrations
APPROVED

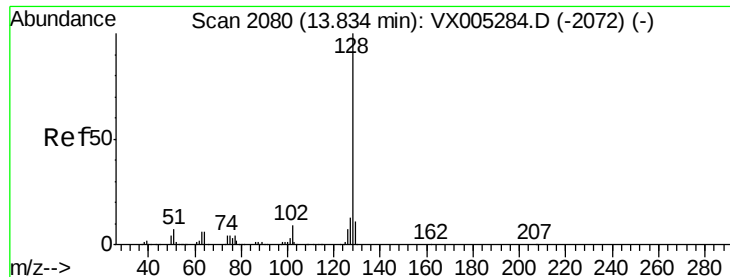
MMDadoda
10/22/2018 11:06:47 AM



#94
Hexachlorobutadiene
Concen: 54.172 ug/l
RT: 13.79 min Scan# 2072
Delta R.T. 0.00 min
Lab File: VX005445.D
Acq: 19 Oct 2018 09:20

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	155455		
223	62.1	30.1	90.5	
227	64.5	30.8	92.4	





#95

Naphthalene

Concen: 55.945 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX005445.D

Acq: 19 Oct 2018 09:20

Instrument :

MSVOA_X

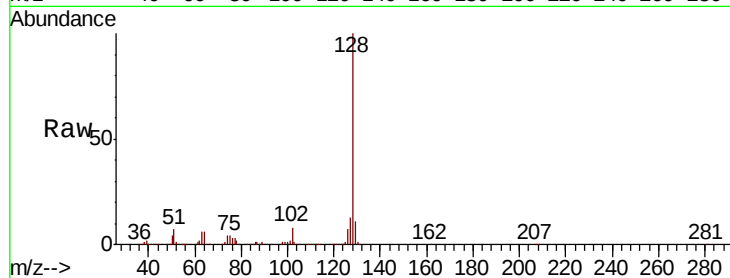
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	881553
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.2	15.2
129	10.8	8.6	12.8

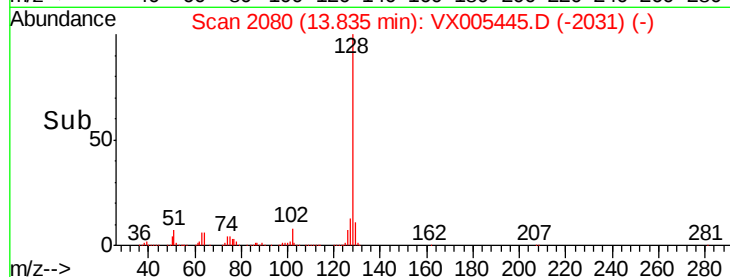
Manual Integrations
APPROVED

MMDadoda
10/22/2018 11:06:47 AM

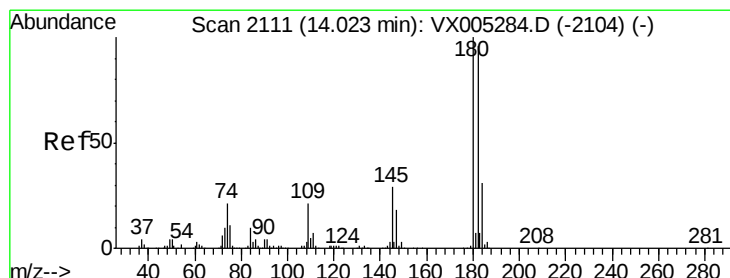


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

13.83



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 53.857 ug/l

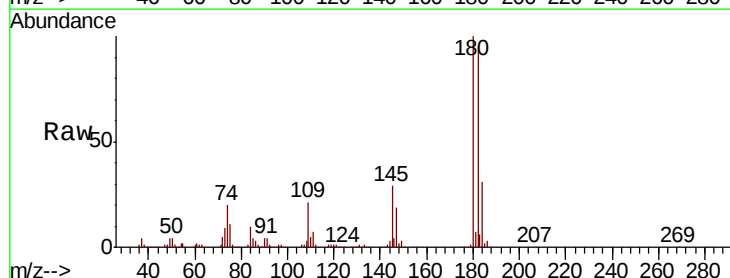
RT: 14.02 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VX005445.D

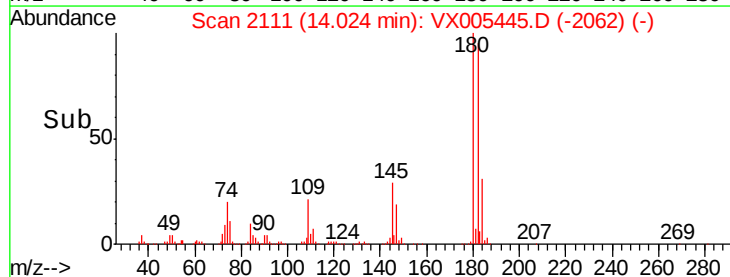
Acq: 19 Oct 2018 09:20

Tgt Ion:	180	Resp:	299416
Ion Ratio	Lower	Upper	
180	100		
182	96.4	48.5	145.6
145	29.7	14.9	44.9



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

14.02



Time-->