

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072018\
 Data File : VX003497.D
 Acq On : 20 Jul 2018 08:03
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/23/2018 12:34:26 PM

Quant Time: Jul 20 11:50:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 17:09:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	351063	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	437066	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	415511	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	258823	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	208558	50.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.38%	
35) Dibromofluoromethane	5.51	113	193610	58.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.32%	
50) Toluene-d8	8.72	98	667815	53.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.74%	
62) 4-Bromofluorobenzene	11.14	95	243331	53.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	154696	55.585	ug/l	95
3) Chloromethane	1.32	50	191710	55.626	ug/l	98
4) Vinyl Chloride	1.41	62	210240	47.142	ug/l	97
5) Bromomethane	1.64	94	88488	49.871	ug/l	98
6) Chloroethane	1.72	64	129460	49.056	ug/l	90
7) Trichlorofluoromethane	1.93	101	292877	49.224	ug/l	96
8) Diethyl Ether	2.19	74	126163	49.371	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.39	101	192675	49.477	ug/l	98
10) Methyl Iodide	2.51	142	245604	52.500	ug/l	93
11) Tert butyl alcohol	3.07	59	191765	233.201	ug/l	99
12) 1,1-Dichloroethene	2.37	96	172971	48.240	ug/l	99
13) Acrolein	2.29	56	89405	240.632	ug/l	98
14) Allyl chloride	2.73	41	334345	52.674	ug/l #	85
15) Acrylonitrile	3.15	53	500631	239.128	ug/l	98
16) Acetone	2.45	43	426622	271.787	ug/l #	78
17) Carbon Disulfide	2.57	76	480150	49.515	ug/l	100
18) Methyl Acetate	2.78	43	238579	48.212	ug/l	92
19) Methyl tert-butyl Ether	3.20	73	602865	51.489	ug/l	98
20) Methylene Chloride	2.85	84	199456	52.002	ug/l	88
21) trans-1,2-Dichloroethene	3.17	96	192889	48.349	ug/l	88
22) Diisopropyl ether	3.87	45	618426	51.778	ug/l	97
23) Vinyl Acetate	3.82	43	2609097	265.196	ug/l #	94
24) 1,1-Dichloroethane	3.70	63	371247	52.977	ug/l	97
25) 2-Butanone	4.70	43	655894	249.043	ug/l #	90
26) 2,2-Dichloropropane	4.58	77	286881	53.900	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	218262	49.135	ug/l	95
28) Bromochloromethane	5.02	49	156701	51.159	ug/l	89
29) Tetrahydrofuran	5.15	42	415147	238.622	ug/l	92
30) Chloroform	5.21	83	354861	51.858	ug/l	94
31) Cyclohexane	5.57	56	317990	50.787	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	299297	51.076	ug/l	98
36) 1,1-Dichloropropene	5.80	75	269536	57.119	ug/l	97
37) Ethyl Acetate	4.86	43	252372	56.518	ug/l	96
38) Carbon Tetrachloride	5.79	117	267592	57.812	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	300160	53.705	ug/l	95
40) Benzene	6.14	78	761988	53.483	ug/l	98
41) Methacrylonitrile	5.06	41	146282	55.739	ug/l	93
42) 1,2-Dichloroethane	6.20	62	249211	55.516	ug/l	96
43) Isopropyl Acetate	6.46	43	372797	52.483	ug/l	94
44) Trichloroethene	7.21	130	214805	50.555	ug/l	96
45) 1,2-Dichloropropane	7.52	63	190376	52.624	ug/l	99
46) Dibromomethane	7.67	93	123102	52.855	ug/l	97
47) Bromodichloromethane	7.90	83	232782	54.595	ug/l	98
48) Methyl methacrylate	7.78	41	195325	54.528	ug/l	86
49) 1,4-Dioxane	7.76	88	73451	904.983	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	1201370	267.718	ug/l	92
52) Toluene	8.79	92	471727	52.600	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	292178	55.674	ug/l	100
54) cis-1,3-Dichloropropene	9.04	75	262453	55.610	ug/l	90
55) 1,1,2-Trichloroethane	9.22	97	185697	52.036	ug/l	98
56) Ethyl methacrylate	9.18	69	271999	54.114	ug/l #	84
57) 1,3-Dichloropropane	9.37	76	309689	53.686	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	648556	265.357	ug/l	98
59) 2-Hexanone	9.50	43	911538	274.160	ug/l	90
60) Dibromochloromethane	9.59	129	191378	54.180	ug/l	100
61) 1,2-Dibromoethane	9.68	107	193524	52.313	ug/l	100
64) Tetrachloroethene	9.34	164	253854	50.144	ug/l	97
65) Chlorobenzene	10.14	112	539205	50.366	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	191671	52.036	ug/l	99
67) Ethyl Benzene	10.26	91	908585	52.784	ug/l	100
68) m/p-Xylenes	10.36	106	711246	105.396	ug/l	96
69) o-Xylene	10.70	106	338322	51.845	ug/l	96
70) Styrene	10.71	104	570187	53.120	ug/l	97
71) Bromoform	10.86	173	148421	51.861	ug/l #	100
73) Isopropylbenzene	11.02	105	919138	51.348	ug/l	99
74) N-amyl acetate	6.46	43	372797	49.048	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	11.27	83	262559	50.054	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	232827m	50.074	ug/l	
77) Bromobenzene	11.26	156	249305	48.424	ug/l	98
78) n-propylbenzene	11.36	91	1050665	52.804	ug/l	99
79) 2-Chlorotoluene	11.42	91	612706	50.724	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	770352	52.366	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	80747	49.354	ug/l	89
82) 4-Chlorotoluene	11.51	91	727208	51.379	ug/l	98
83) tert-Butylbenzene	11.77	119	733651	50.924	ug/l	95
84) 1,2,4-Trimethylbenzene	11.81	105	791637	52.885	ug/l	98
85) sec-Butylbenzene	11.95	105	906886	51.826	ug/l	100
86) p-Isopropyltoluene	12.07	119	832178	52.991	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	459958	48.602	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	462179	47.409	ug/l	99
89) n-Butylbenzene	12.39	91	717038	53.771	ug/l	99
90) Hexachloroethane	12.60	117	113340	50.770	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	455777	48.865	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	50516	49.486	ug/l	90

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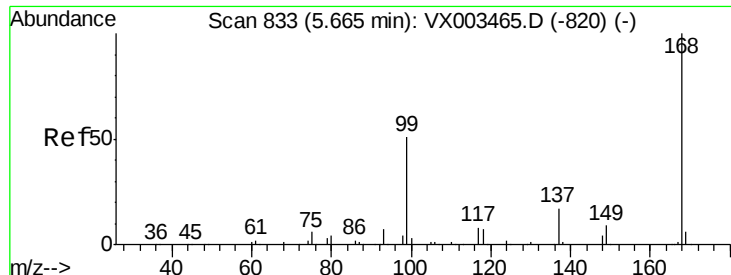
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	333941	48.851	ug/l	99
94) Hexachlorobutadiene	13.79	225	163757	49.811	ug/l	98
95) Naphthalene	13.83	128	913267	50.842	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	336542	49.732	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX003497.D

Acq: 20 Jul 2018 08:03

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion:168 Resp: 351063

Ion Ratio Lower Upper

168 100

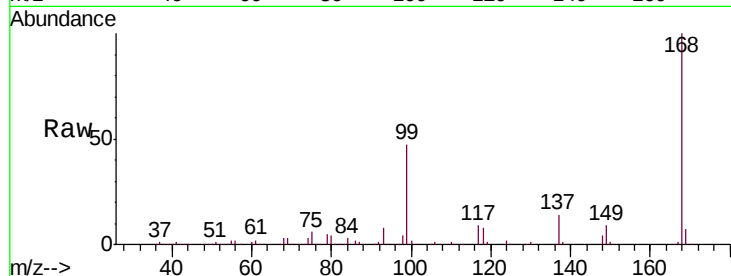
99 46.6 39.3 58.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

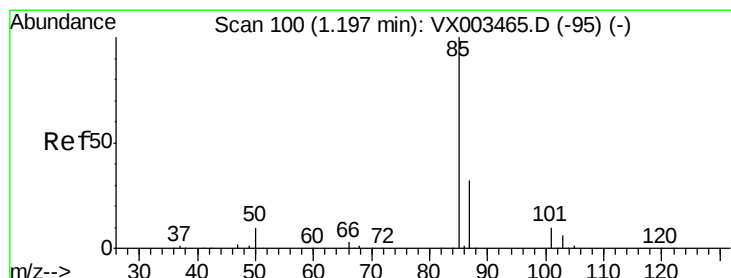
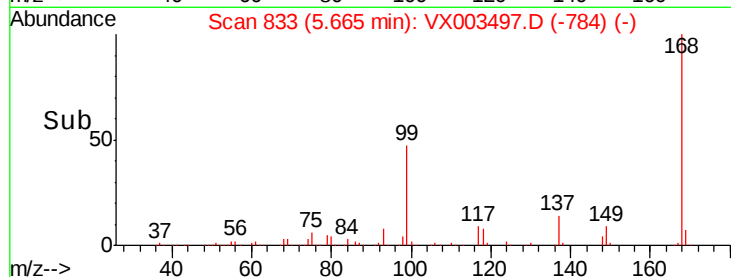
100000

50000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#2

Dichlorodifluoromethane

Concen: 55.585 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003497.D

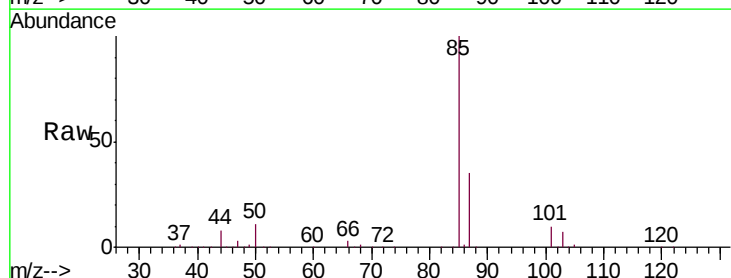
Acq: 20 Jul 2018 08:03

Tgt Ion: 85 Resp: 154696

Ion Ratio Lower Upper

85 100

87 34.5 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

150000

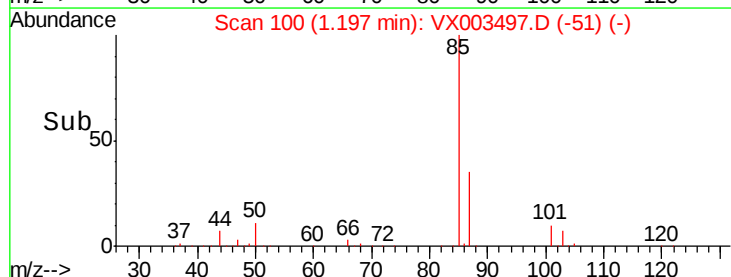
100000

50000

0

Time-->

1.10 1.20 1.30





#3

Chloromethane

Concen: 55.626 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003497.D

Acq: 20 Jul 2018 08:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 191710

Ion Ratio Lower Upper

50 100

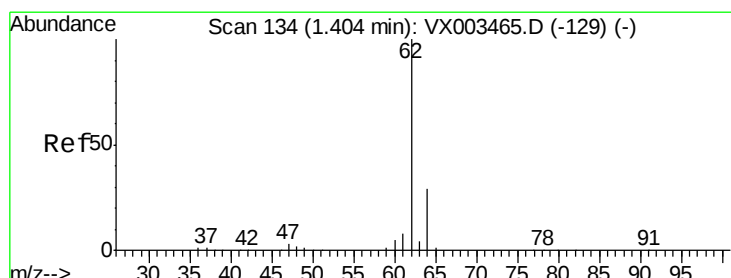
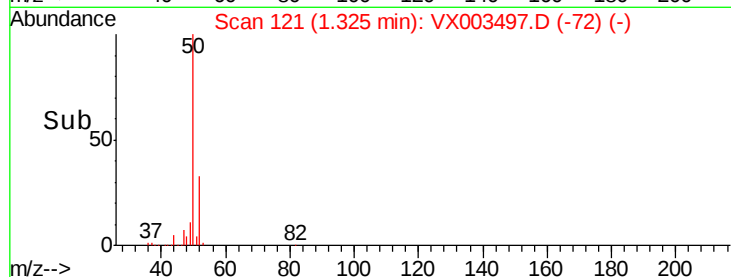
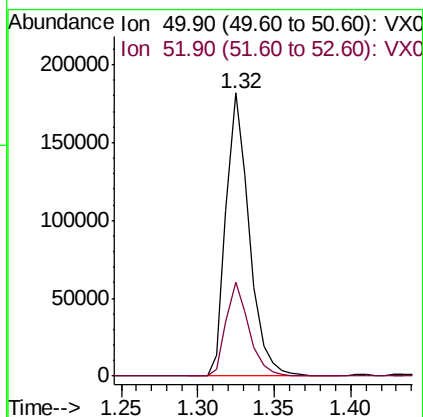
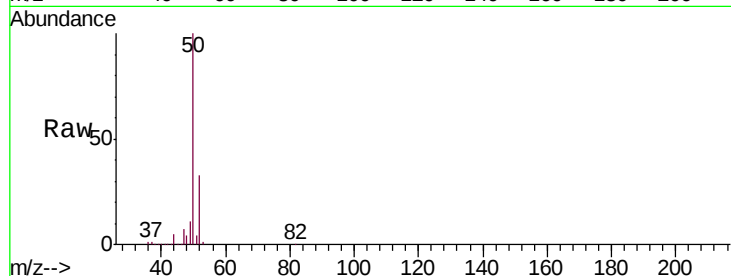
52 33.2 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 47.142 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX003497.D

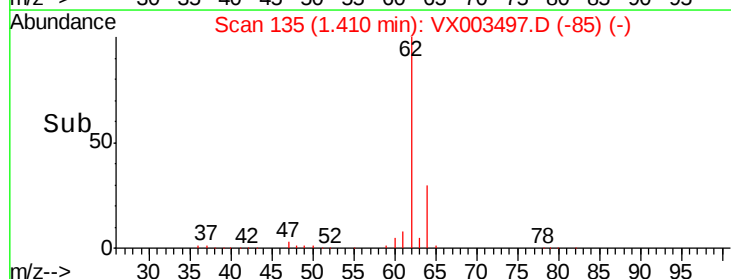
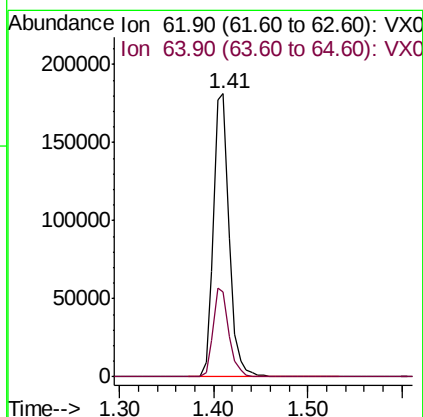
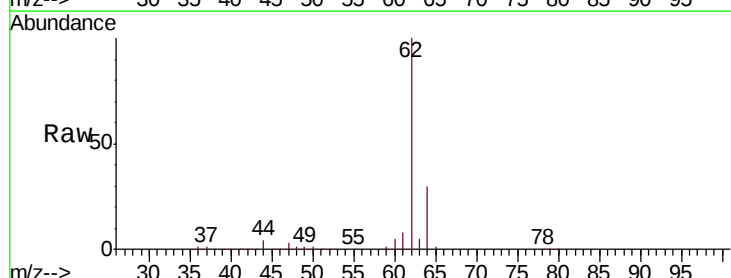
Acq: 20 Jul 2018 08:03

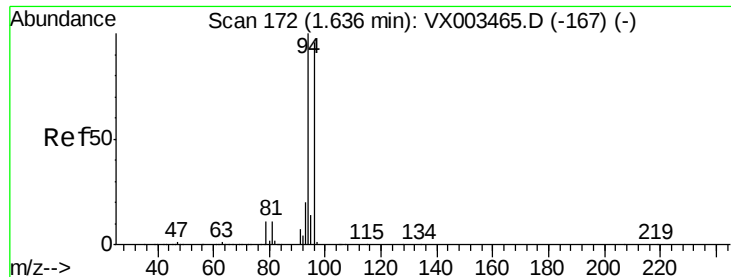
Tgt Ion: 62 Resp: 210240

Ion Ratio Lower Upper

62 100

64 29.9 25.4 38.2





#5

Bromomethane

Concen: 49.871 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003497.D

Acq: 20 Jul 2018 08:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 88488

Ion Ratio Lower Upper

94 100

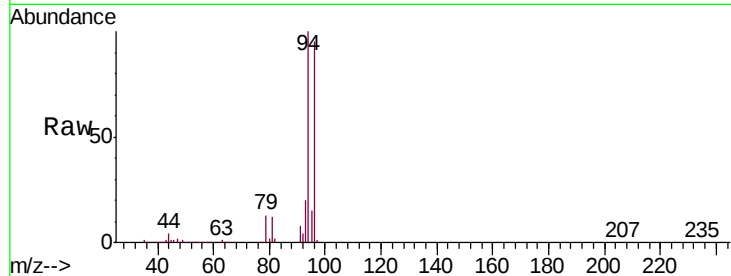
96 95.4 74.9 112.3

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

80000

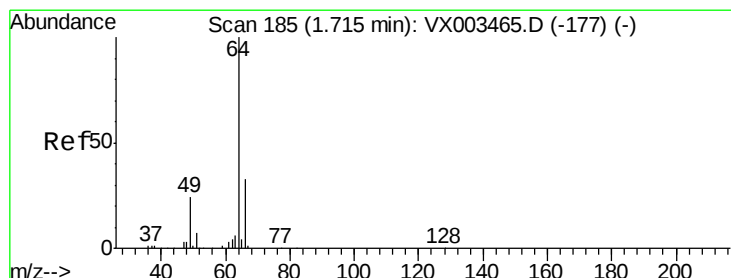
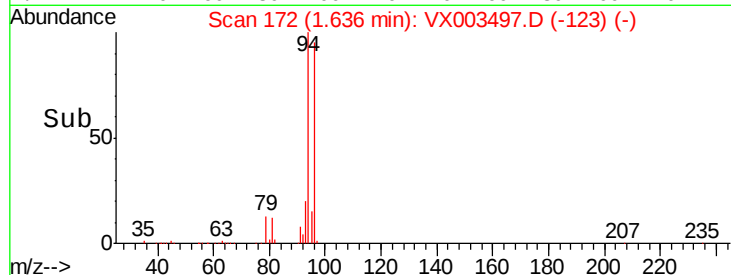
60000

40000

20000

0

Time--> 1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 49.056 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX003497.D

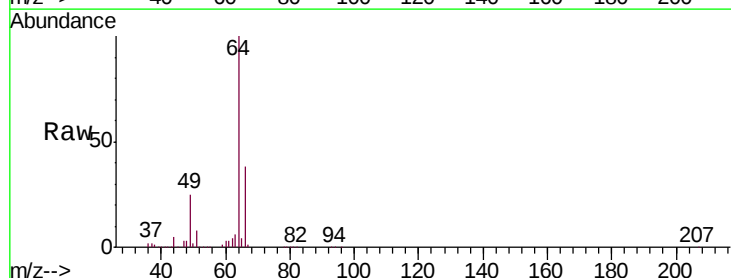
Acq: 20 Jul 2018 08:03

Tgt Ion: 64 Resp: 129460

Ion Ratio Lower Upper

64 100

66 37.5 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

80000

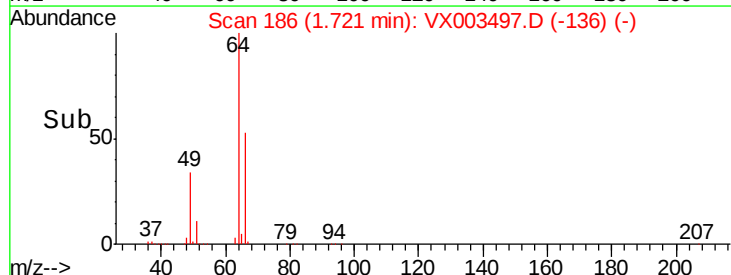
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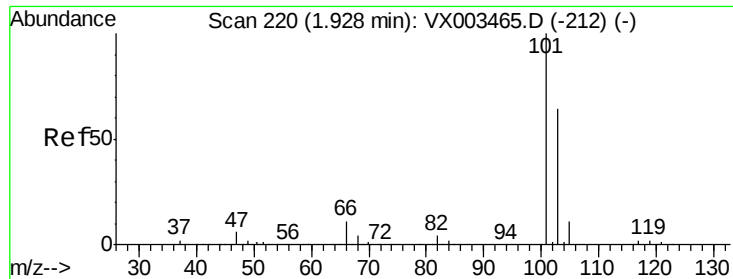
40000

20000

0

Time--> 1.65 1.70 1.75 1.80





#7

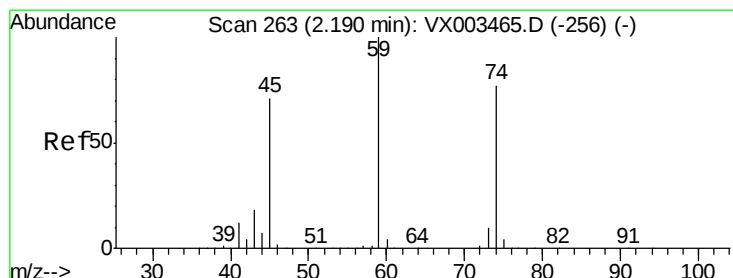
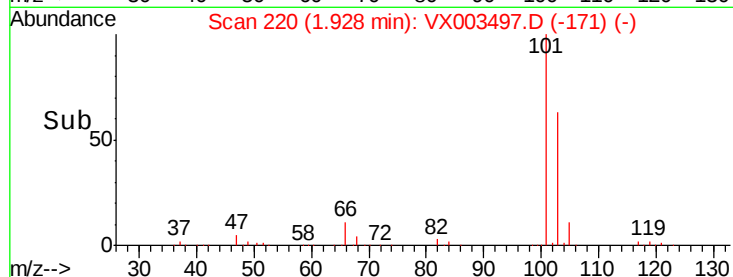
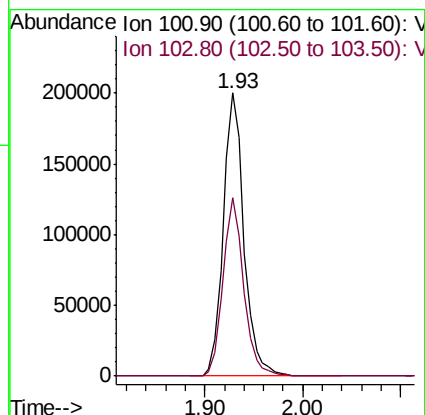
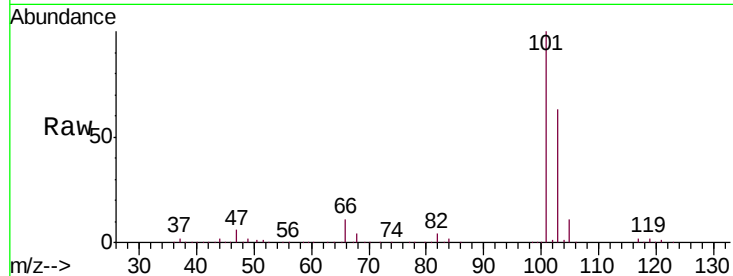
Trichlorofluoromethane
Concen: 49.224 ug/l
RT: 1.93 min Scan# 220
Delta R.T. -0.00 min
Lab File: VX003497.D
Acq: 20 Jul 2018 08:03

Instrument :
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ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 292877
Ion Ratio Lower Upper
101 100
103 63.1 52.8 79.2

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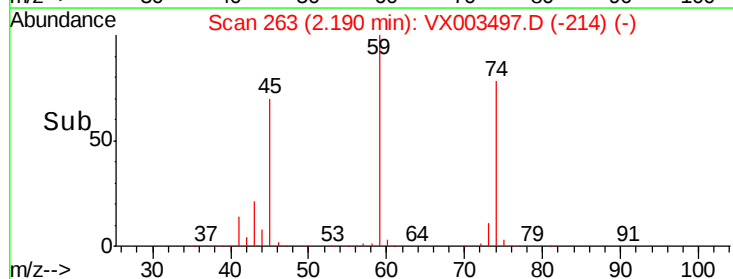
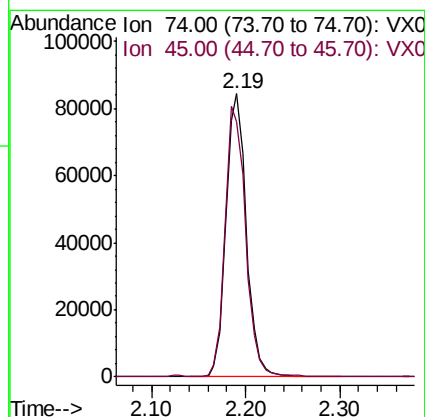
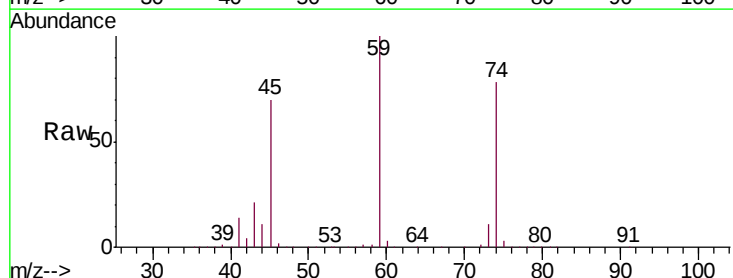
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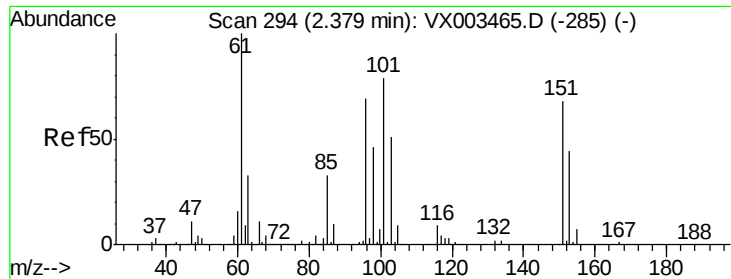


#8

Diethyl Ether
Concen: 49.371 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX003497.D
Acq: 20 Jul 2018 08:03

Tgt Ion: 74 Resp: 126163
Ion Ratio Lower Upper
74 100
45 96.7 53.1 159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.477 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX003497.D

Acq: 20 Jul 2018 08:03

Instrument :

MSVOA_X

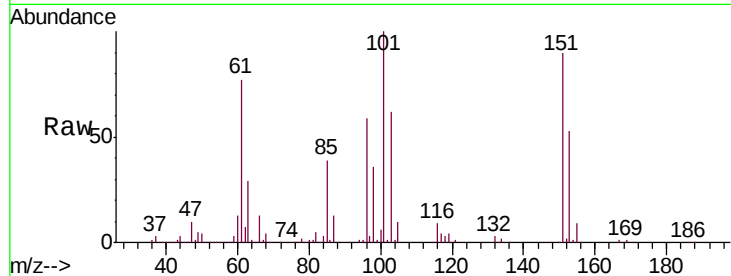
ClientSampled :

VSTDCCC050

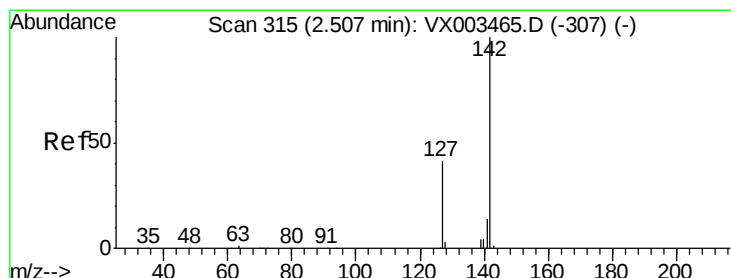
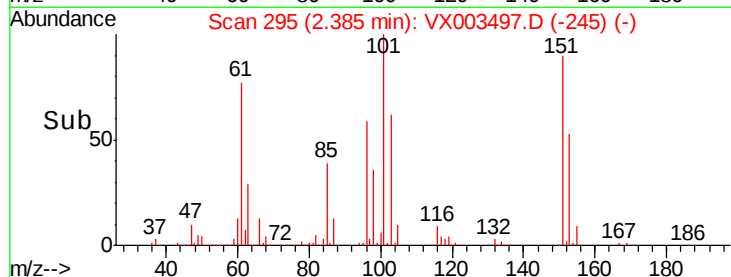
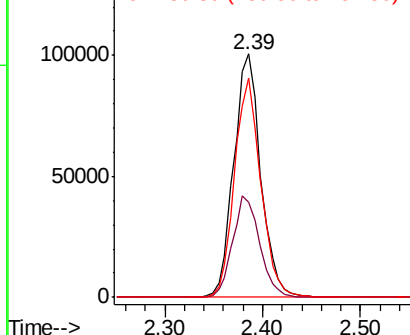
Tot Ion:	101	Resp:	192675
Ion Ratio	Lower	Upper	
101	100		
85	41.9	36.0	54.0
151	88.2	70.9	106.3

Manual Integrations
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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: 52.500 ug/l

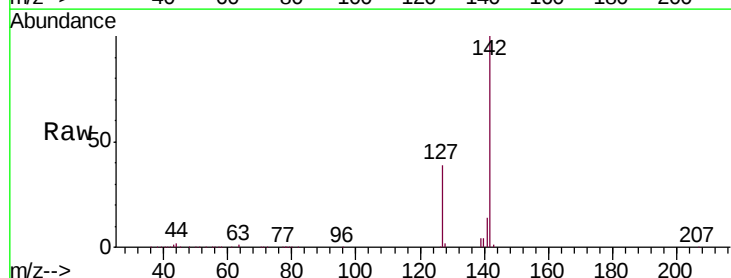
RT: 2.51 min Scan# 315

Delta R.T. -0.00 min

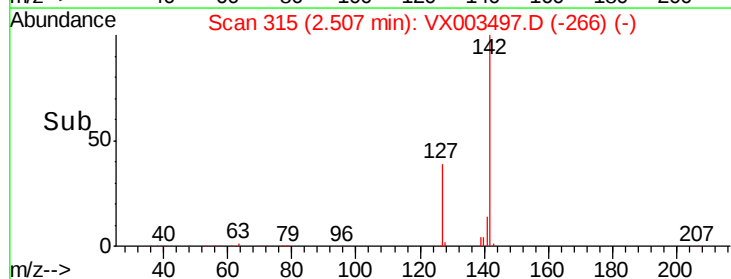
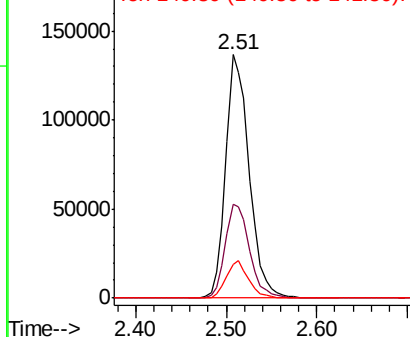
Lab File: VX003497.D

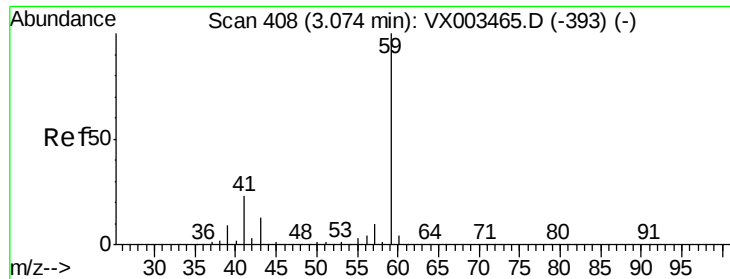
Acq: 20 Jul 2018 08:03

Tgt Ion:	142	Resp:	245604
Ion Ratio	Lower	Upper	
142	100		
127	40.2	36.6	55.0
141	14.6	11.3	16.9



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





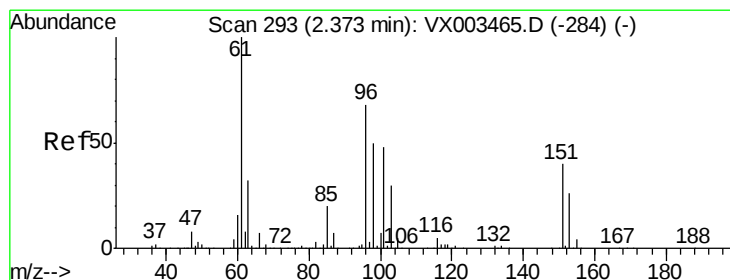
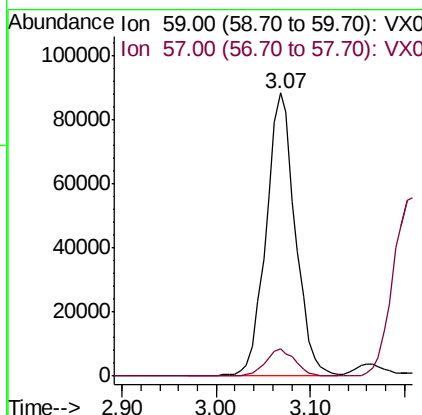
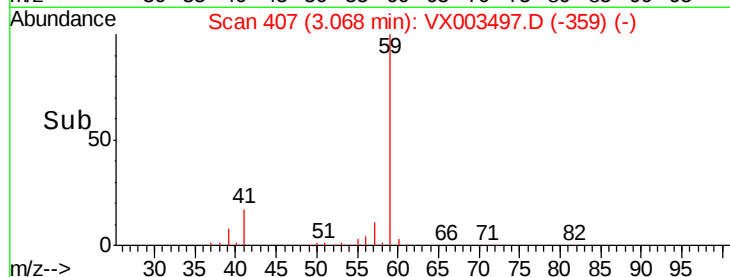
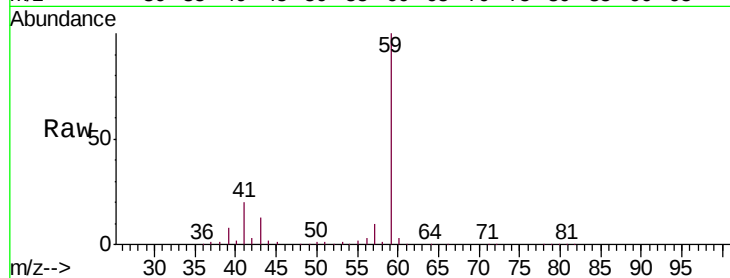
#11
Tert butyl alcohol
Concen: 233.201 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX003497.D
Acq: 20 Jul 2018 08:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.2	12.2

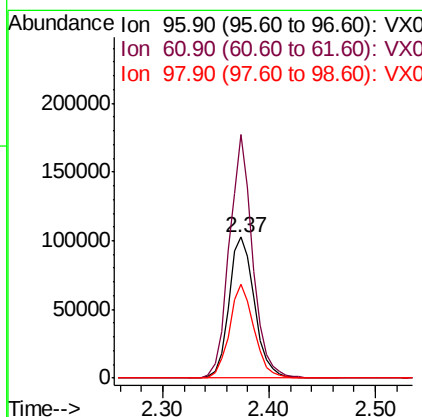
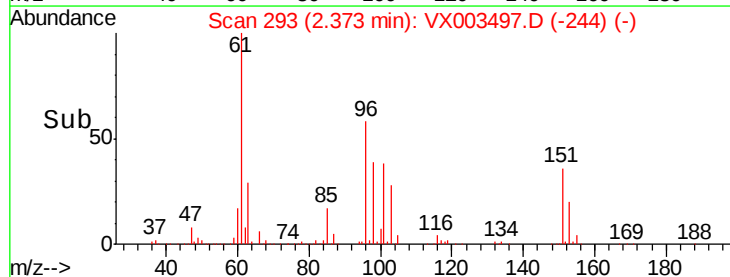
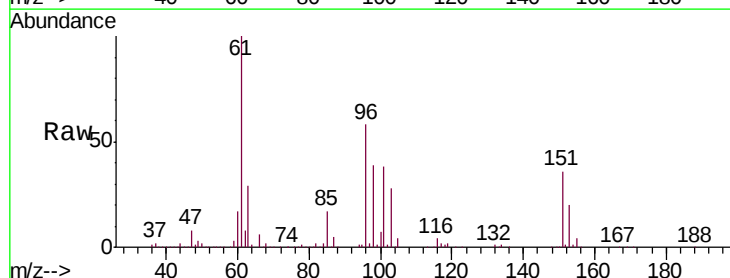
Manual Integrations
APPROVED

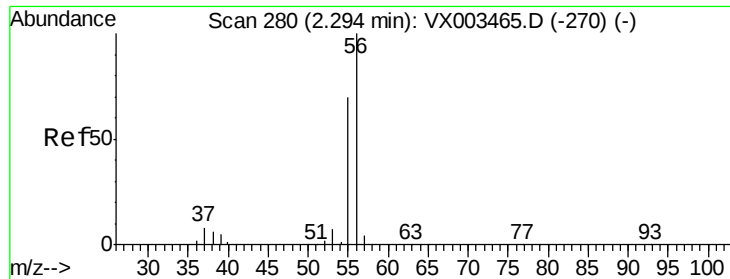
MMDadoda
7/23/2018 12:34:26 PM



#12
1,1-Dichloroethene
Concen: 48.240 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX003497.D
Acq: 20 Jul 2018 08:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	172.9	137.9	206.9
98	66.6	51.6	77.4





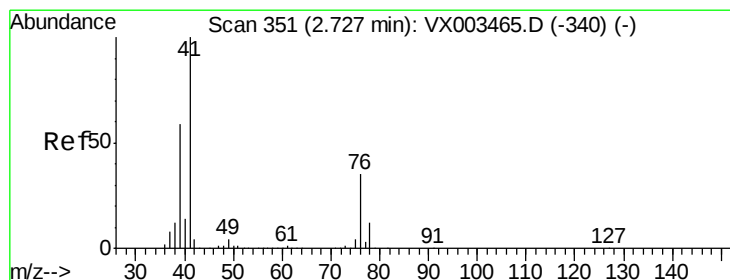
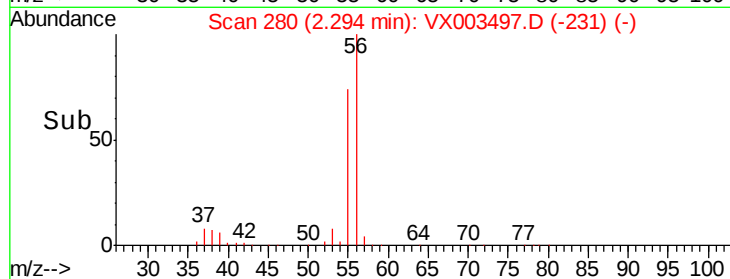
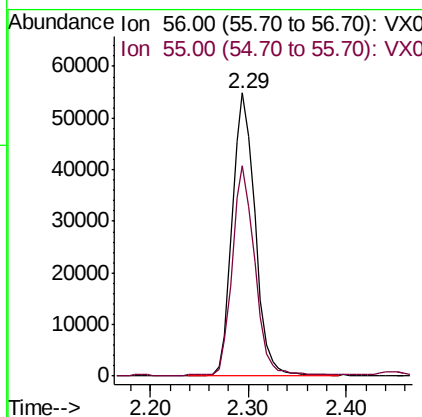
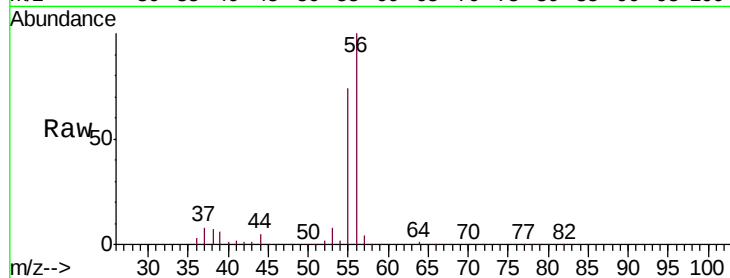
#13
Acrolein
Concen: 240.632 ug/l
RT: 2.29 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX003497.D
Acq: 20 Jul 2018 08:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	73.0	57.0	85.4

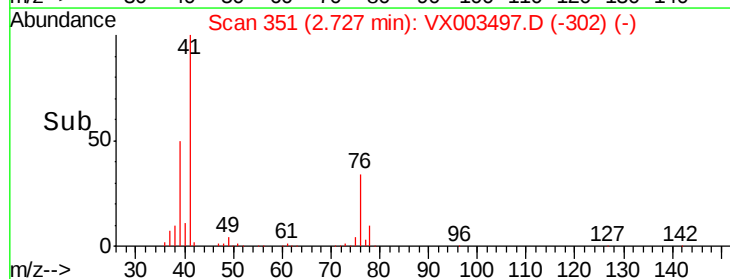
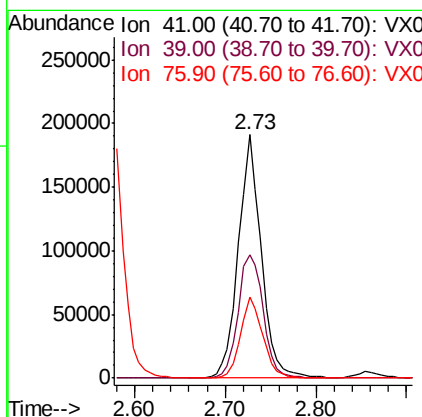
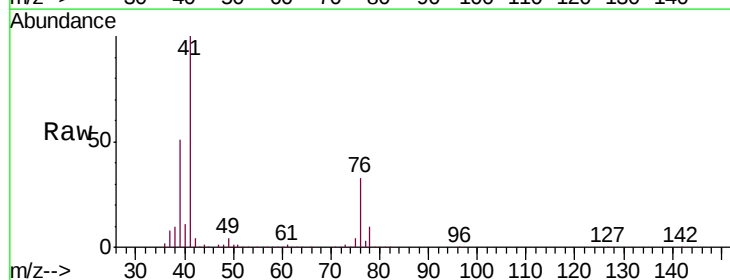
Manual Integrations
APPROVED

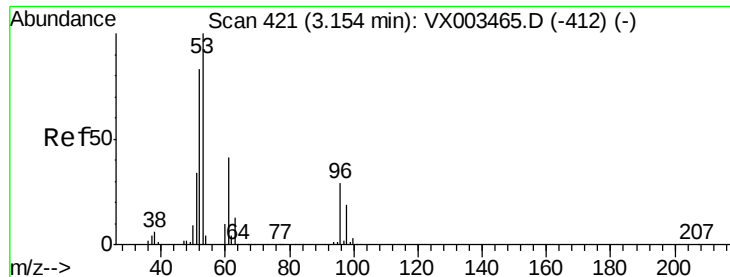
MMDadoda
7/23/2018 12:34:26 PM



#14
Allyl chloride
Concen: 52.674 ug/l
RT: 2.73 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX003497.D
Acq: 20 Jul 2018 08:03

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	55.5	56.8	85.2#
76	76	32.5	23.8	35.8





#15

Acrylonitrile

Concen: 239.128 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX003497.D

Acq: 20 Jul 2018 08:03

Instrument :

MSVOA_X

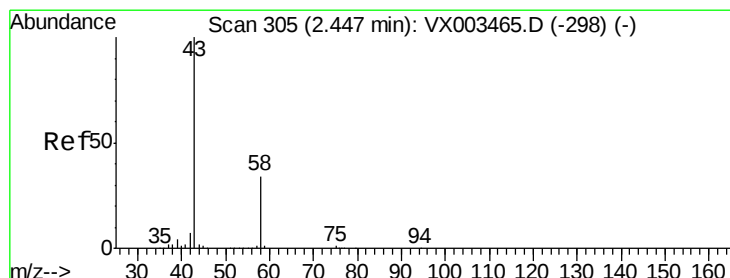
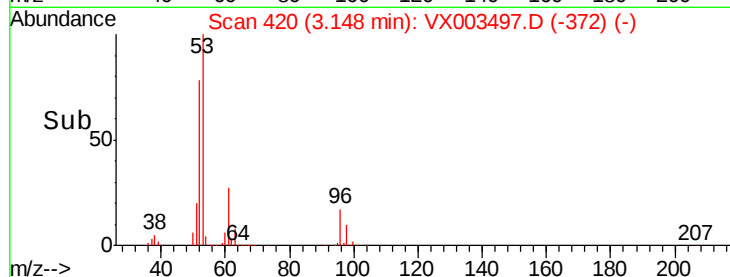
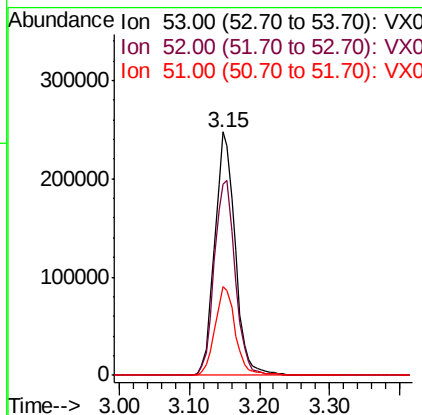
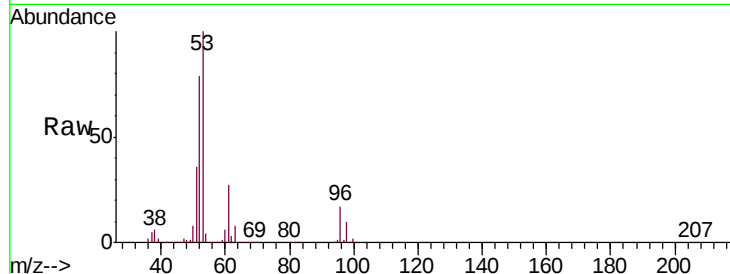
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	500631
Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.7	100.1
51	36.3	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 271.787 ug/l

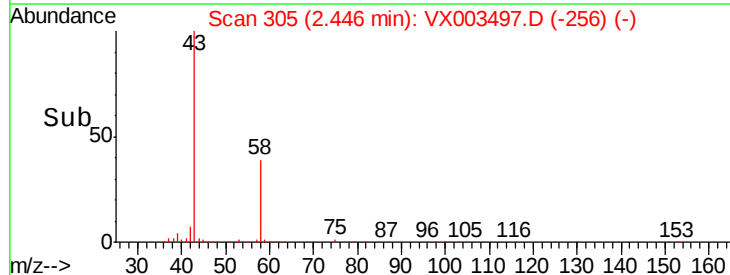
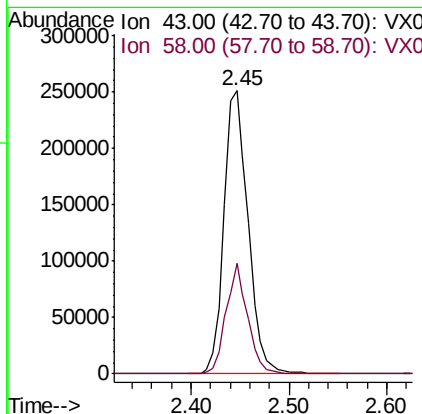
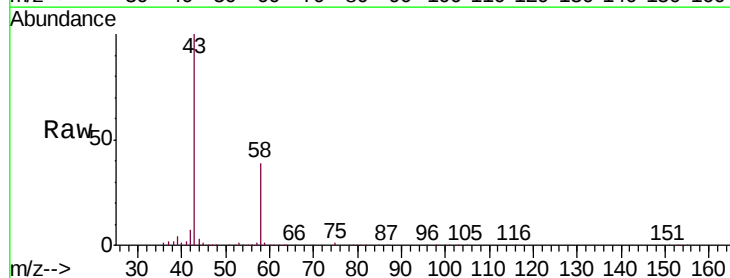
RT: 2.45 min Scan# 305

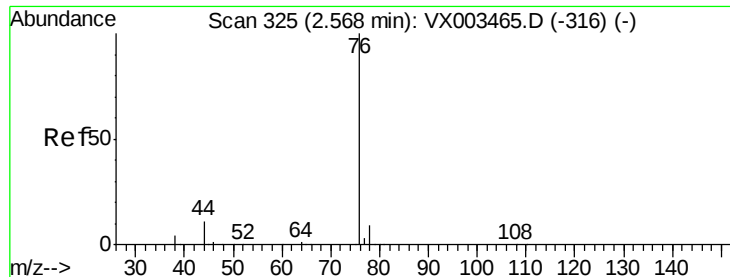
Delta R.T. -0.00 min

Lab File: VX003497.D

Acq: 20 Jul 2018 08:03

Tgt Ion:	43	Resp:	426622
Ion	Ratio	Lower	Upper
43	100		
58	39.2	22.1	33.1#





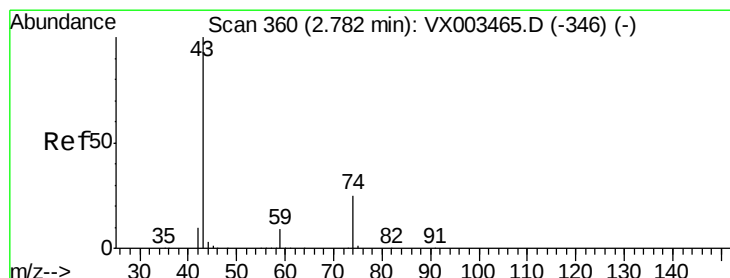
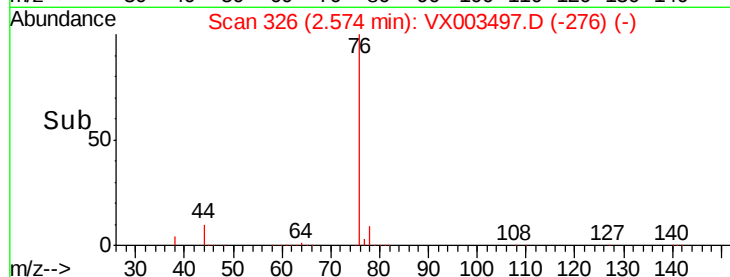
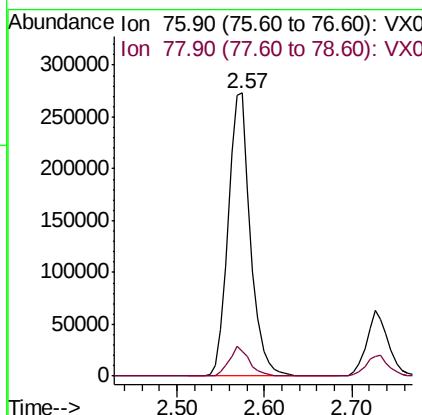
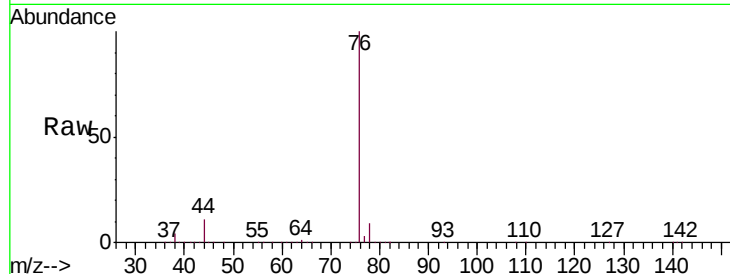
#17
Carbon Disulfide
Concen: 49.515 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.01 min
Lab File: VX003497.D
Acq: 20 Jul 2018 08:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	6.9	10.3

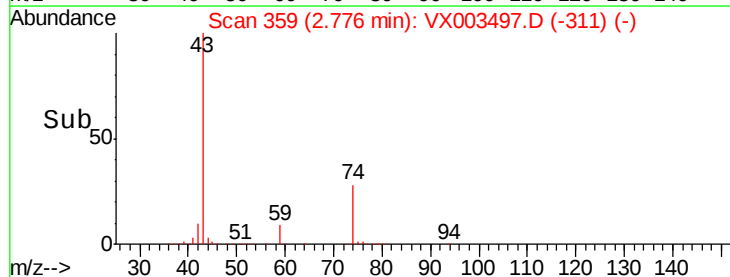
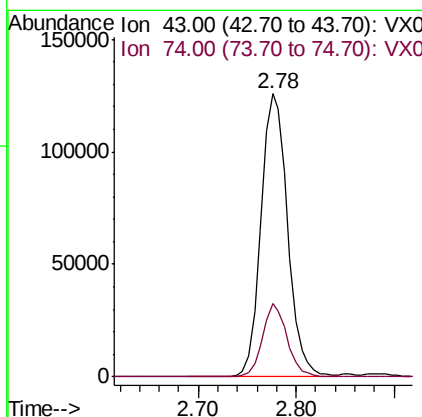
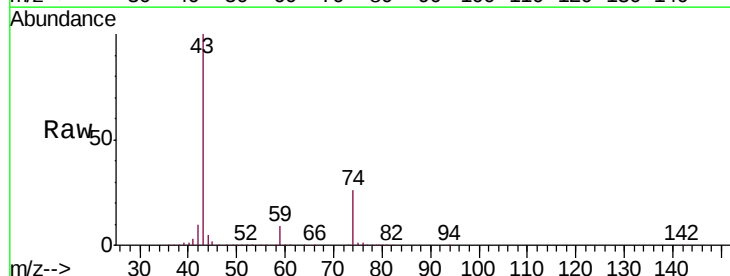
Manual Integrations
APPROVED

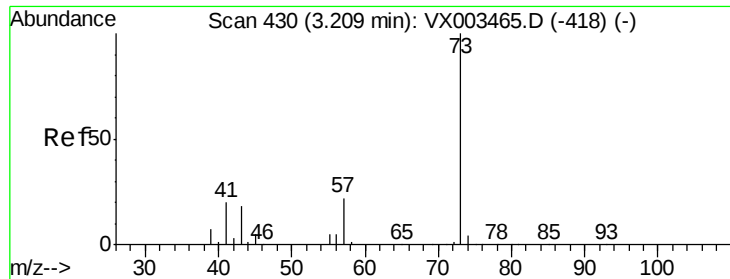
MMDadoda
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#18
Methyl Acetate
Concen: 48.212 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.01 min
Lab File: VX003497.D
Acq: 20 Jul 2018 08:03

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.6	16.7	25.1





#19

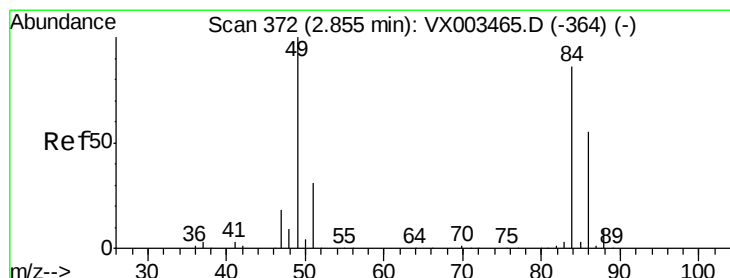
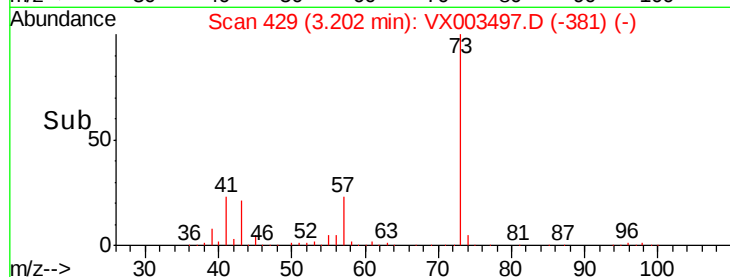
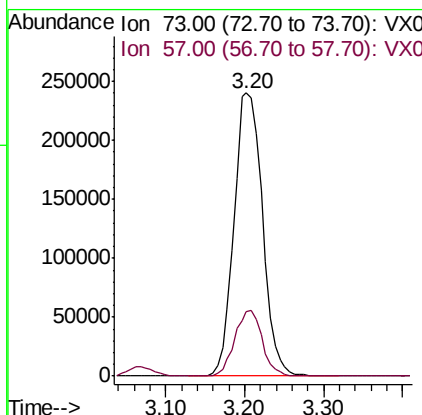
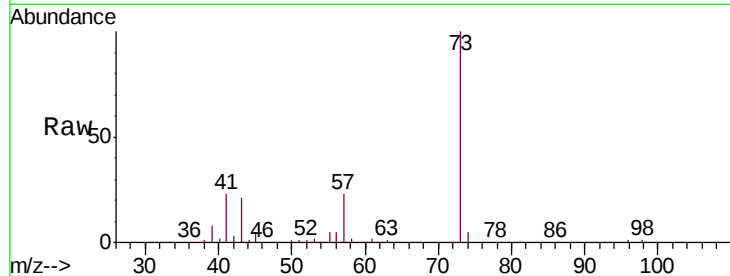
Methyl tert-butyl Ether
 Concen: 51.489 ug/l
 RT: 3.20 min Scan# 429
 Delta R.T. -0.01 min
 Lab File: VX003497.D
 Acq: 20 Jul 2018 08:03

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.9	17.7	26.5

Manual Integrations
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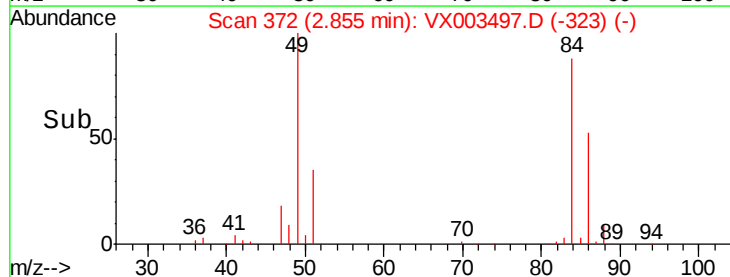
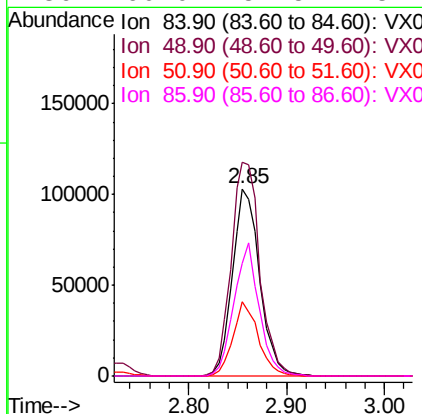
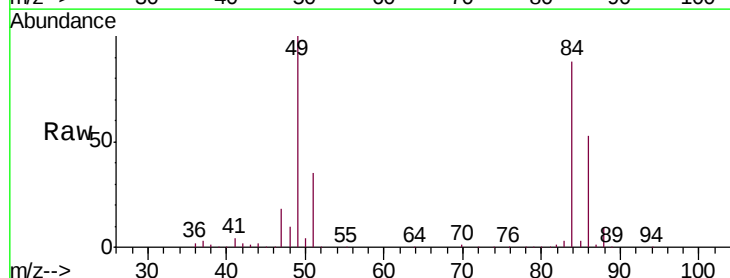
MMDadoda
 7/23/2018 12:34:26 PM



#20

Methylene Chloride
 Concen: 52.002 ug/l
 RT: 2.85 min Scan# 372
 Delta R.T. 0.00 min
 Lab File: VX003497.D
 Acq: 20 Jul 2018 08:03

Tgt Ion	Ratio	Lower	Upper
84	100		
49	114.2	107.8	161.6
51	40.0	32.8	49.2
86	60.0	52.5	78.7





#21

trans-1,2-Dichloroethene

Concen: 48.349 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX003497.D

Acq: 20 Jul 2018 08:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 192889

Ion Ratio Lower Upper

96 100

61 124.6 117.0 175.4

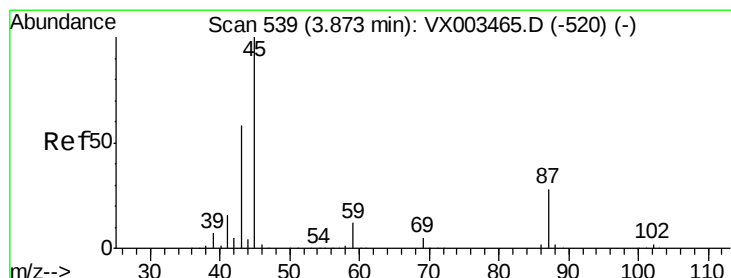
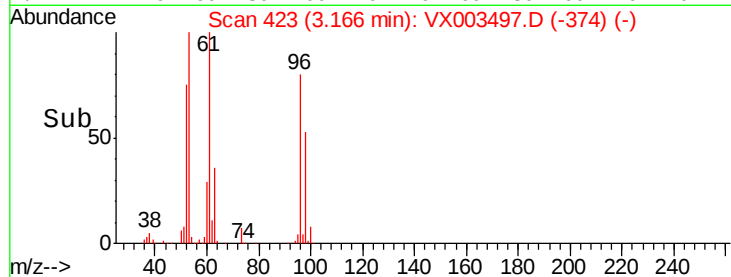
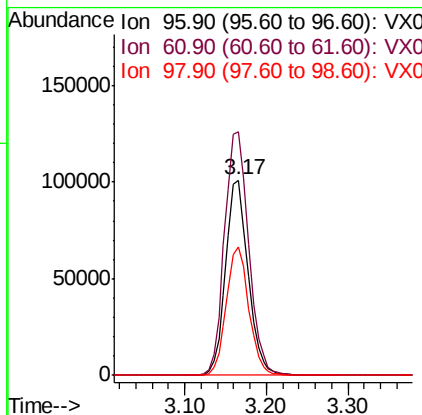
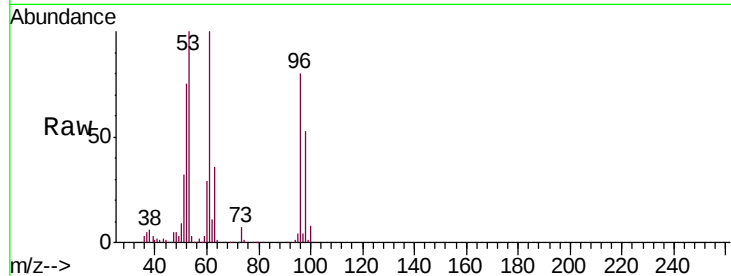
98 66.0 52.4 78.6

Manual Integrations

APPROVED

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#22

Diisopropyl ether

Concen: 51.778 ug/l

RT: 3.87 min Scan# 539

Delta R.T. -0.00 min

Lab File: VX003497.D

Acq: 20 Jul 2018 08:03

Tgt Ion: 45 Resp: 618426

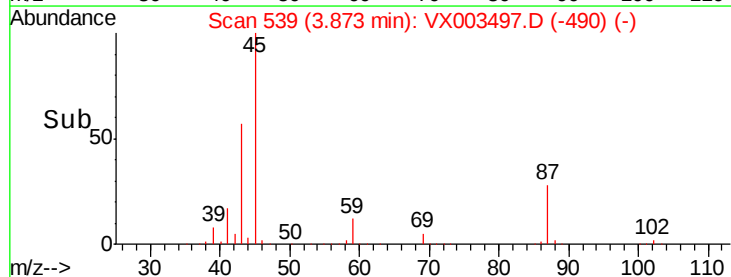
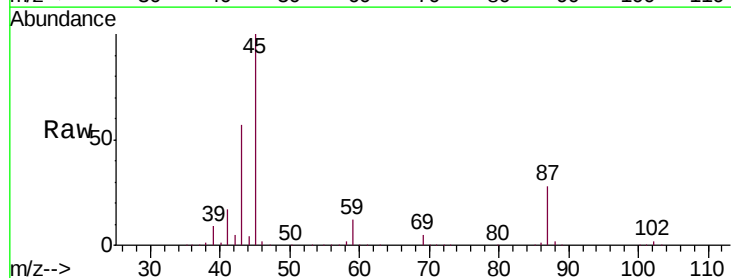
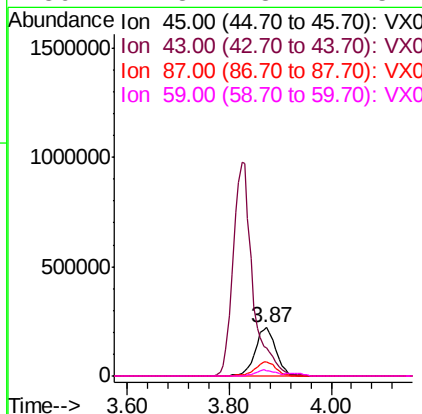
Ion Ratio Lower Upper

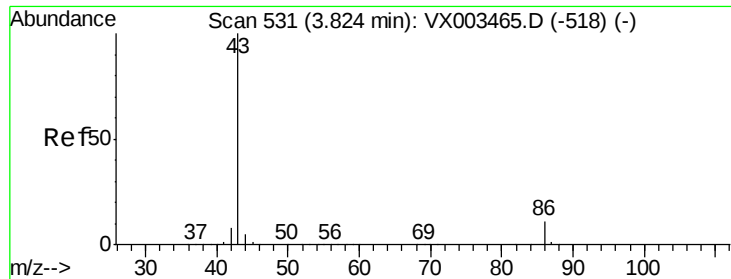
45 100

43 57.4 46.8 70.2

87 27.9 20.2 30.4

59 11.8 8.7 13.1





#23

Vinyl Acetate

Concen: 265.196 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.00 min

Lab File: VX003497.D

Acq: 20 Jul 2018 08:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2609097

Ion Ratio Lower Upper

43 100

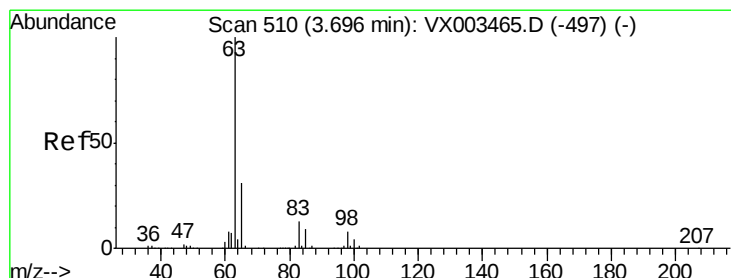
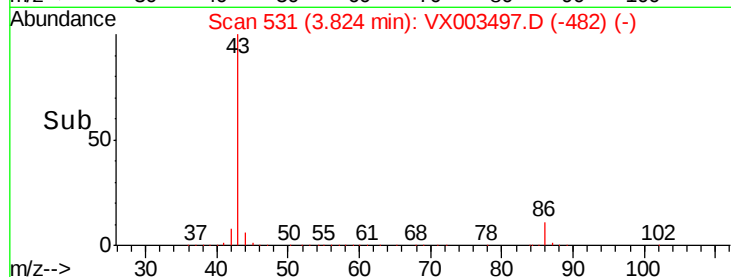
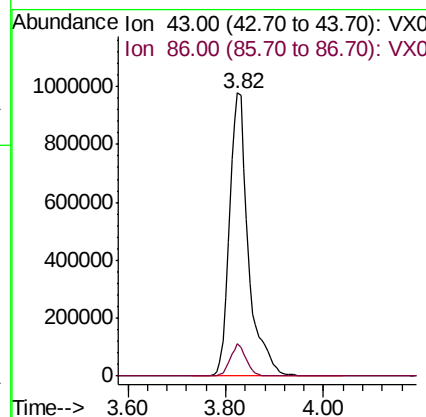
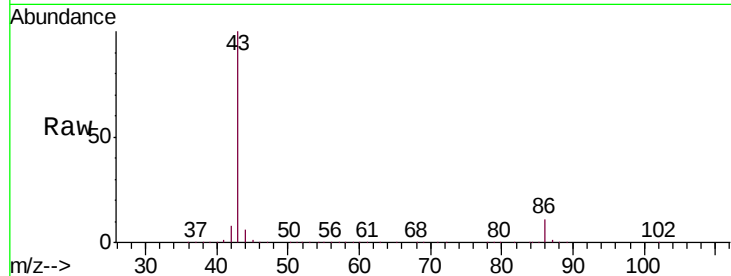
86 11.3 7.4 11.0#

Manual Integrations

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7/23/2018 12:34:26 PM



#24

1,1-Dichloroethane

Concen: 52.977 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX003497.D

Acq: 20 Jul 2018 08:03

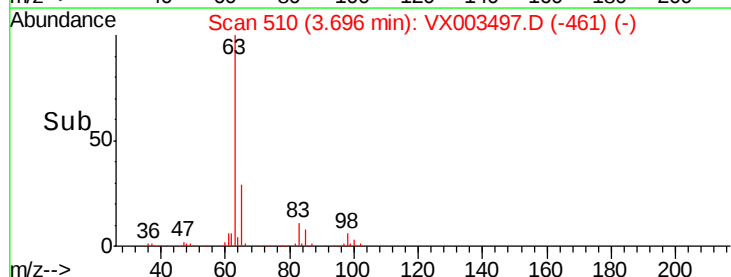
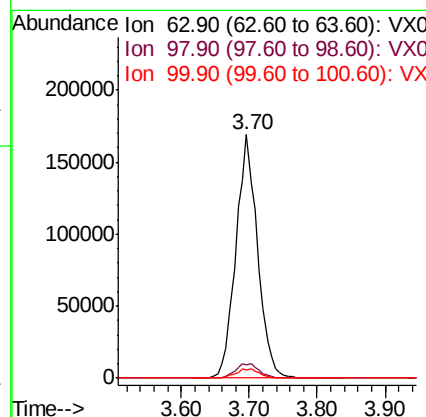
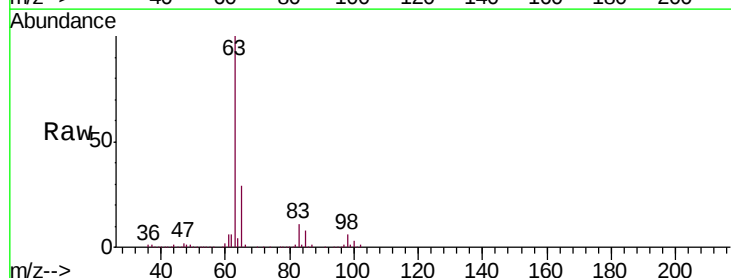
Tgt Ion: 63 Resp: 371247

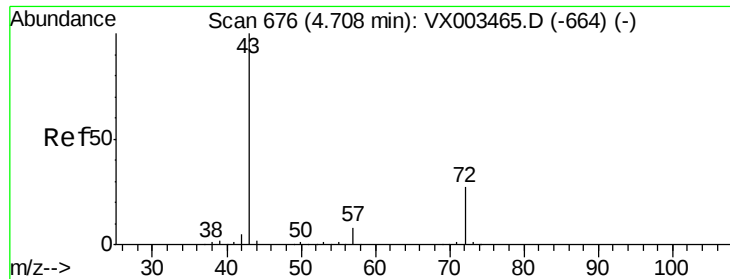
Ion Ratio Lower Upper

63 100

98 5.7 3.4 10.2

100 3.4 2.0 6.0





#25

2-Butanone

Concen: 249.043 ug/l

RT: 4.70 min Scan# 675

Delta R.T. -0.01 min

Lab File: VX003497.D

Acq: 20 Jul 2018 08:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 655894

Ion Ratio Lower Upper

43 100

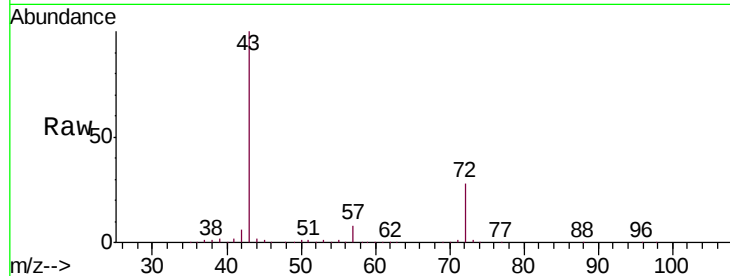
72 27.8 18.5 27.7#

Manual Integrations

APPROVED

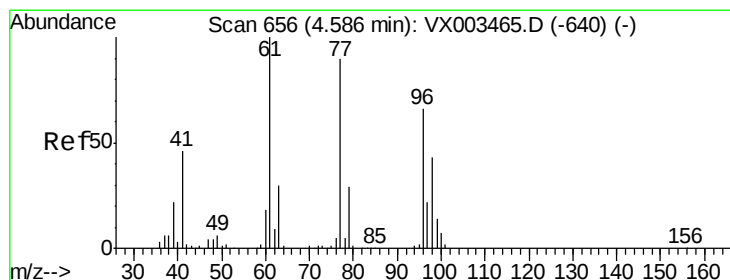
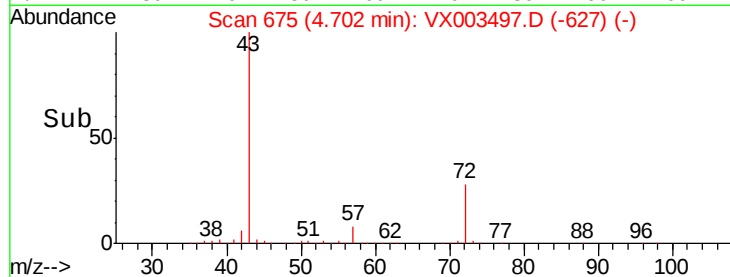
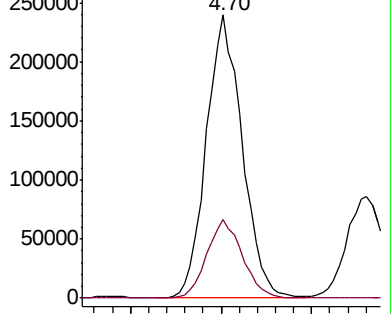
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 53.900 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX003497.D

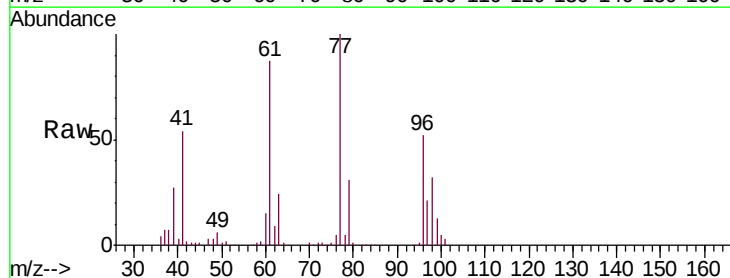
Acq: 20 Jul 2018 08:03

Tgt Ion: 77 Resp: 286881

Ion Ratio Lower Upper

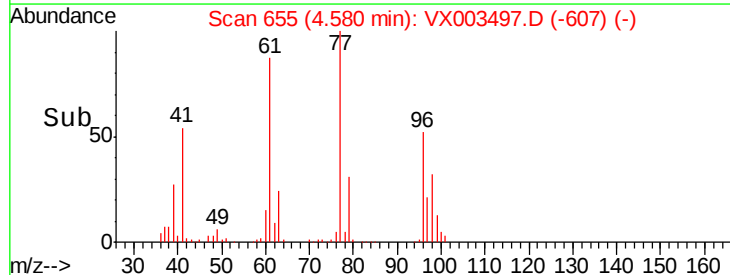
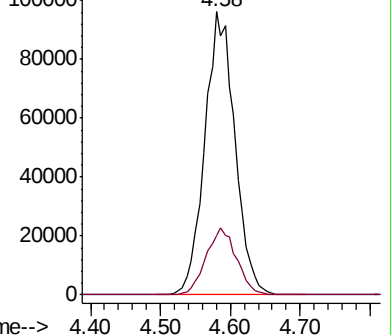
77 100

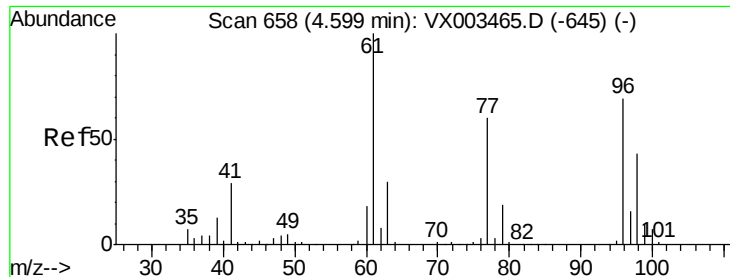
97 23.9 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

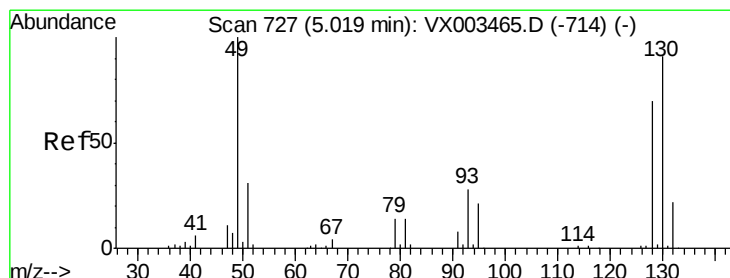
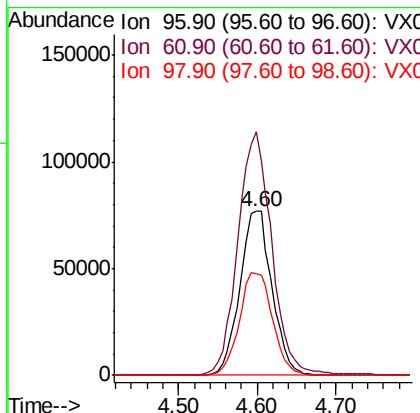
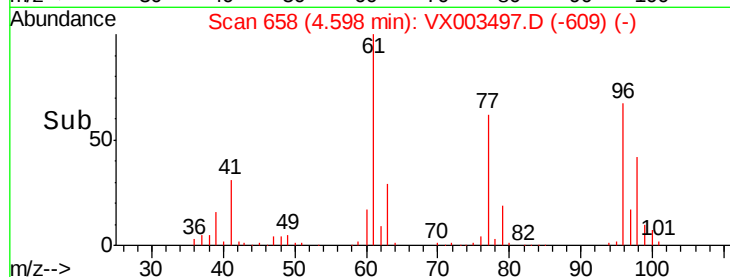
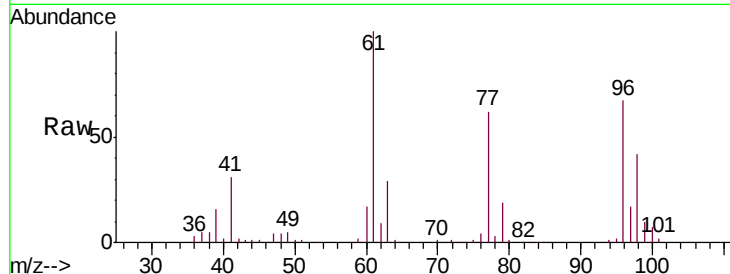
cis-1,2-Dichloroethene
Concen: 49.135 ug/l
RT: 4.60 min Scan# 658
Delta R.T. -0.00 min
Lab File: VX003497.D
Acq: 20 Jul 2018 08:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	218262		
61	156.4	0.0	330.2	
98	64.7	0.0	130.2	

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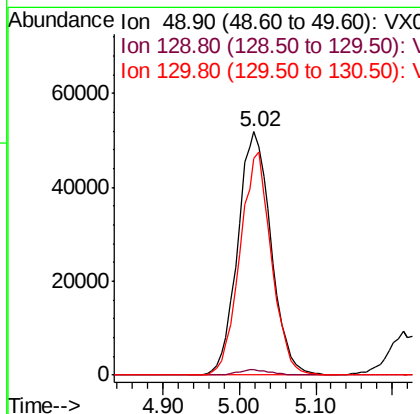
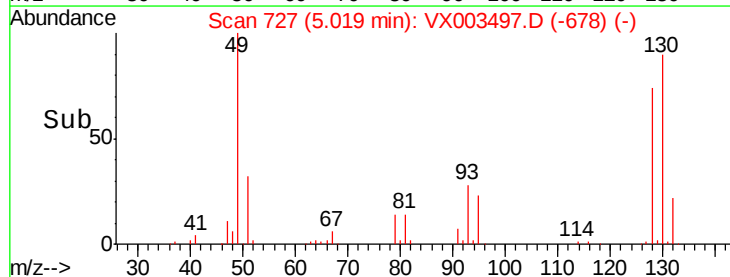
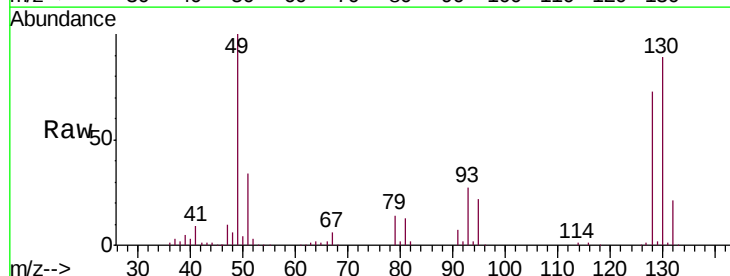
MMDadoda
7/23/2018 12:34:26 PM

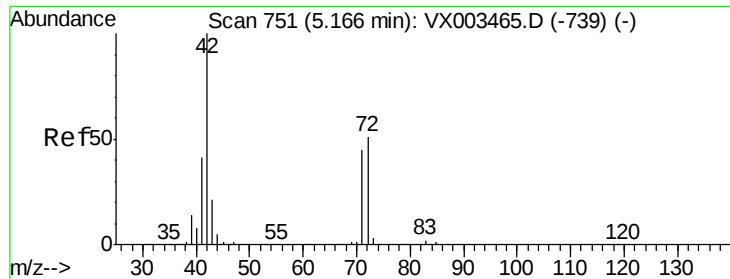


#28

Bromochloromethane
Concen: 51.159 ug/l
RT: 5.02 min Scan# 727
Delta R.T. -0.00 min
Lab File: VX003497.D
Acq: 20 Jul 2018 08:03

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	156701		
129	2.1	0.0	4.2	
130	86.2	61.2	91.8	





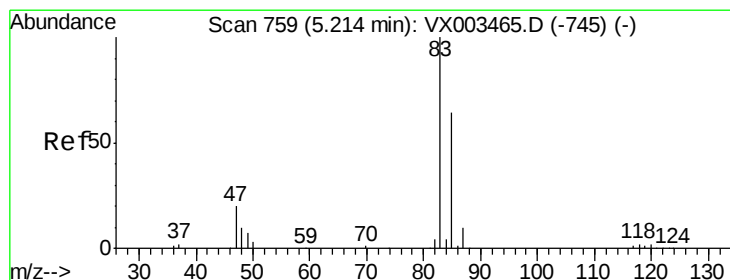
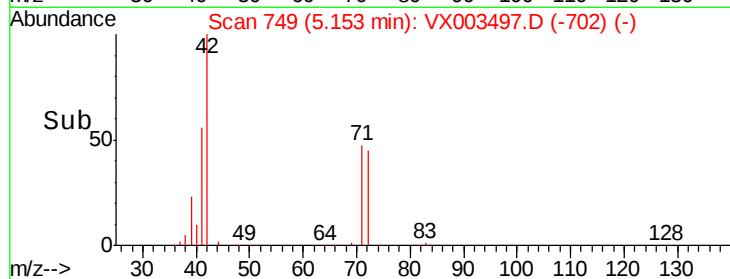
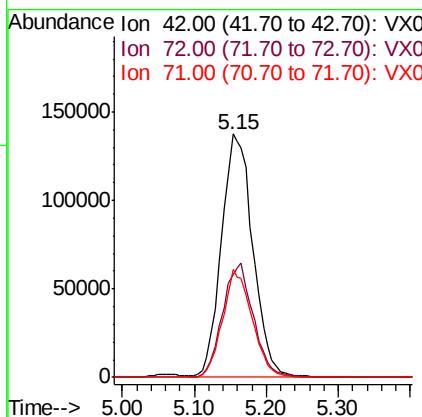
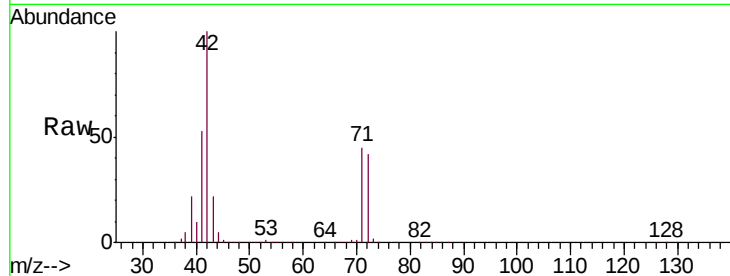
#29
Tetrahydrofuran
Concen: 238.622 ug/l
RT: 5.15 min Scan# 749
Delta R.T. -0.01 min
Lab File: VX003497.D
Acq: 20 Jul 2018 08:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.0	32.0	48.0
71	41.9	30.1	45.1

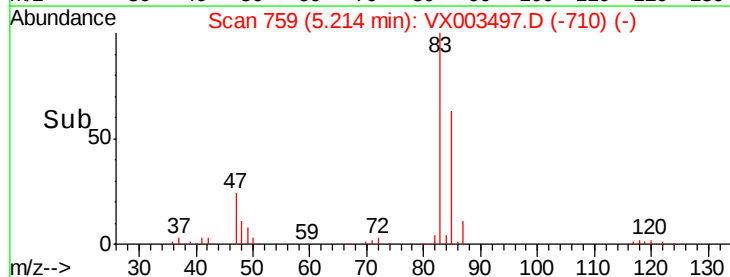
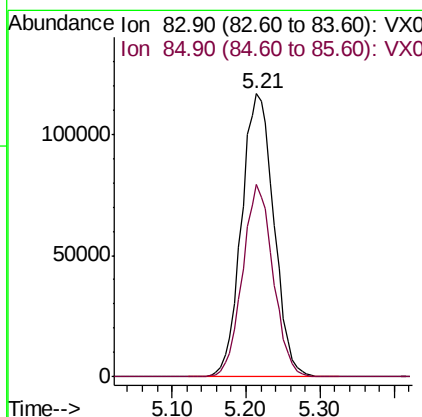
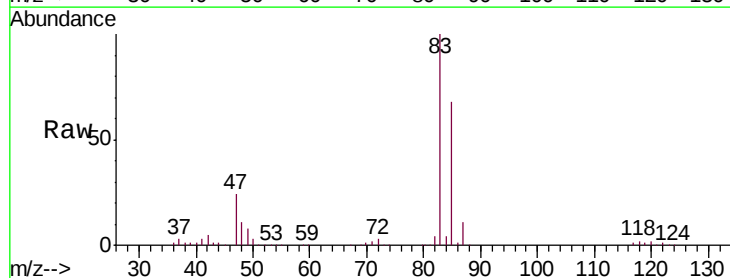
Manual Integrations
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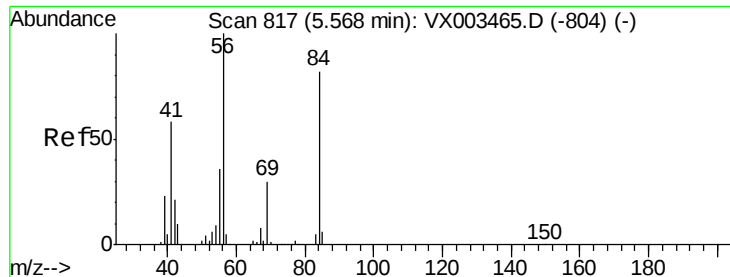
MMDadoda
7/23/2018 12:34:26 PM



#30
Chloroform
Concen: 51.858 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX003497.D
Acq: 20 Jul 2018 08:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.0	50.4	75.6





#31

Cyclohexane

Concen: 50.787 ug/l

RT: 5.57 min Scan# 817

Delta R.T. -0.00 min

Lab File: VX003497.D

Acq: 20 Jul 2018 08:03

Instrument :

MSVOA_X

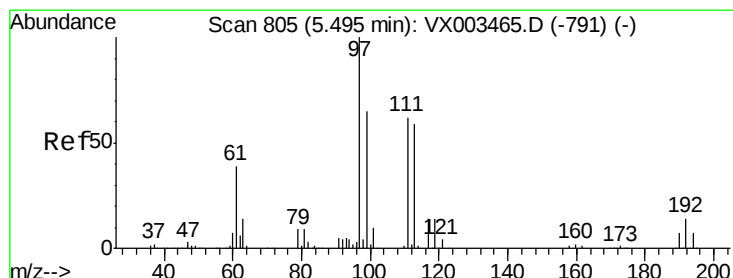
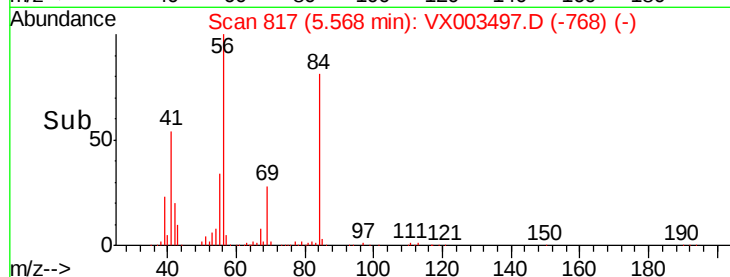
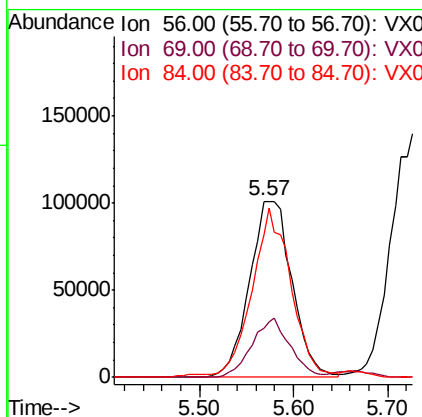
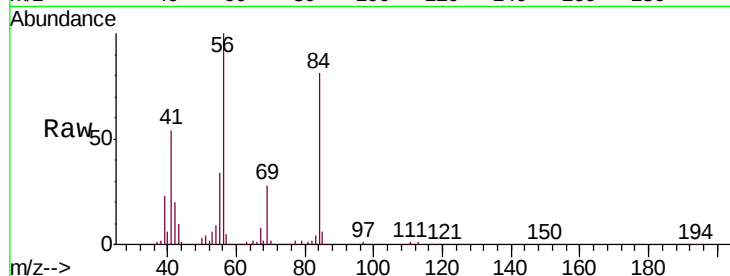
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	317990
Ion	Ratio	Lower	Upper
56	100		
69	27.8	23.7	35.5
84	79.7	64.1	96.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 51.076 ug/l

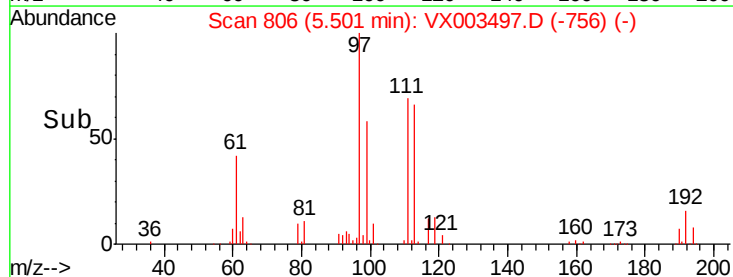
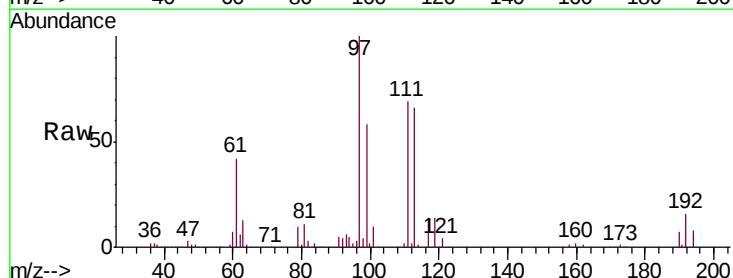
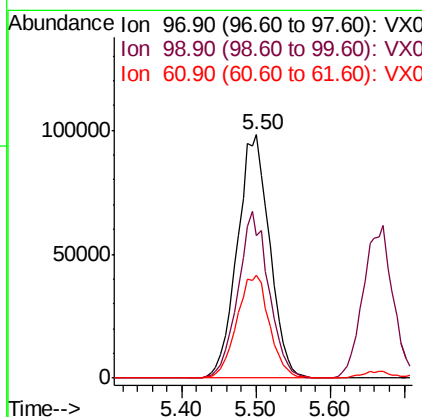
RT: 5.50 min Scan# 806

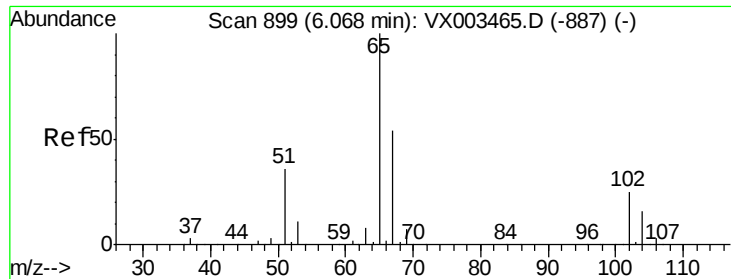
Delta R.T. 0.01 min

Lab File: VX003497.D

Acq: 20 Jul 2018 08:03

Tgt Ion:	97	Resp:	299297
Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.6	77.4
61	42.7	36.4	54.6





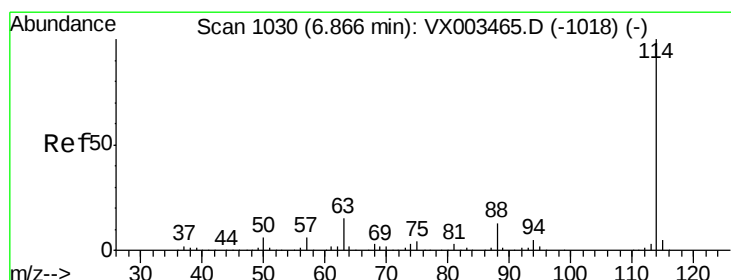
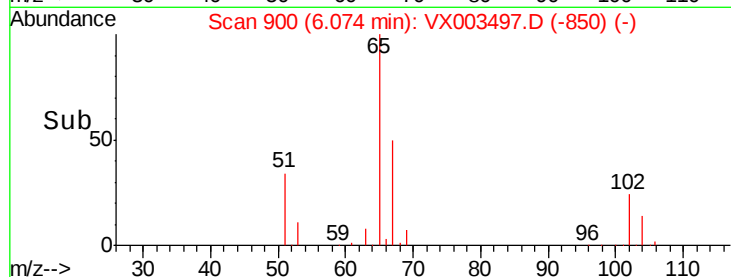
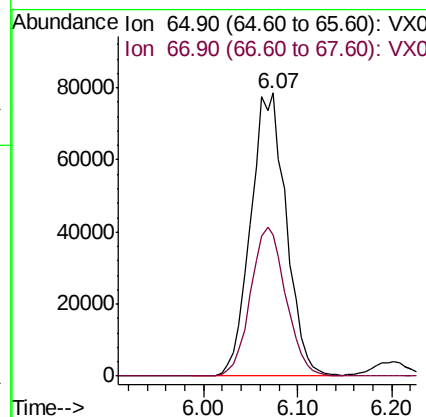
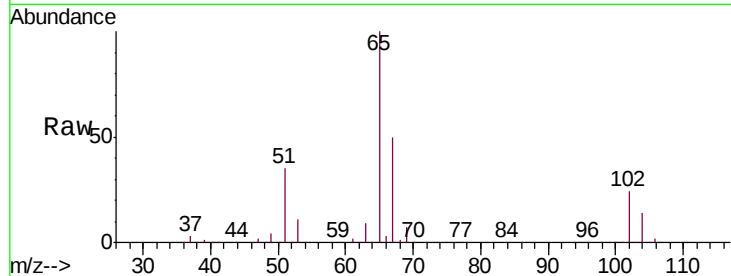
#33
 1,2-Dichloroethane-d4
 Concen: 50.187 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003497.D
 Acq: 20 Jul 2018 08:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	208558		
67	52.3	0.0	102.6	

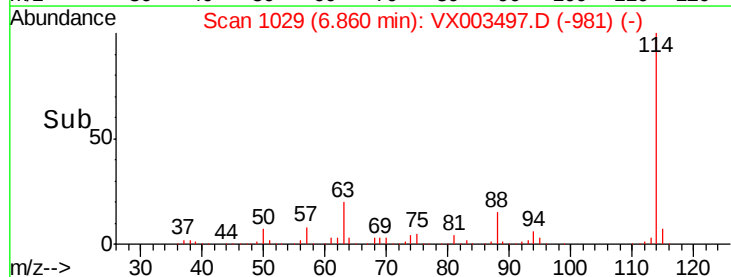
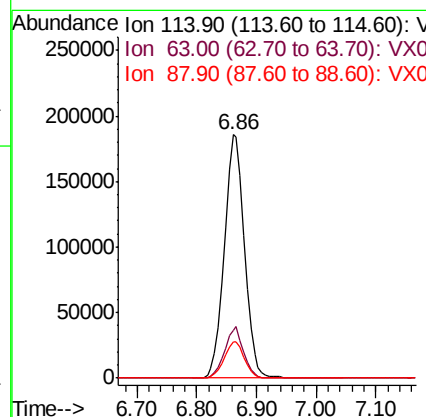
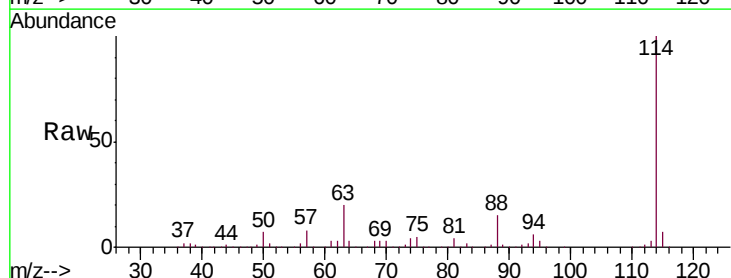
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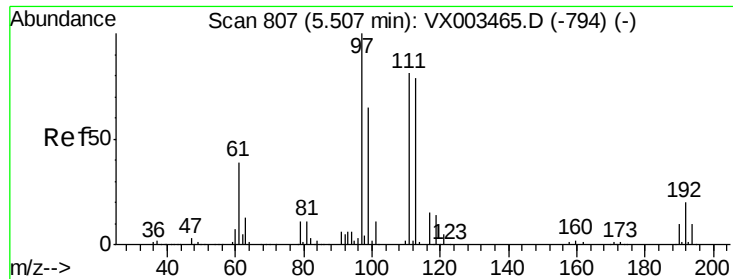
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX003497.D
 Acq: 20 Jul 2018 08:03

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	437066		
63	19.7	0.0	41.4	
88	15.1	0.0	30.0	





#35

Dibromofluoromethane

Concen: 58.158 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX003497.D

Acq: 20 Jul 2018 08:03

Instrument :

MSVOA_X

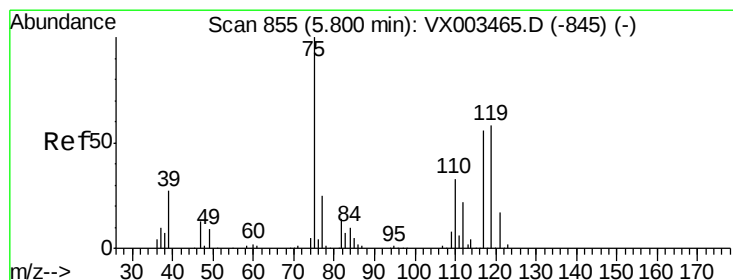
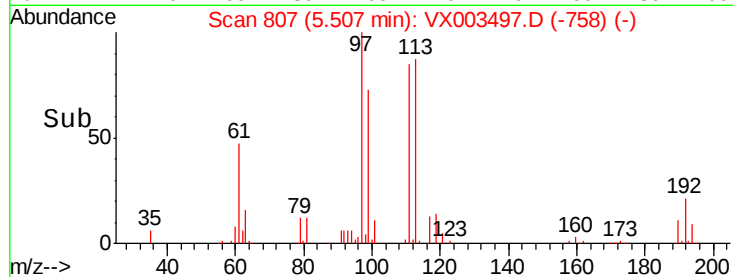
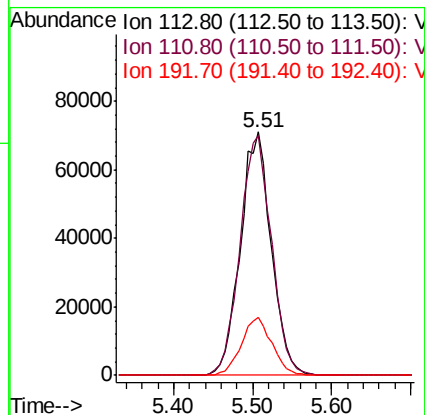
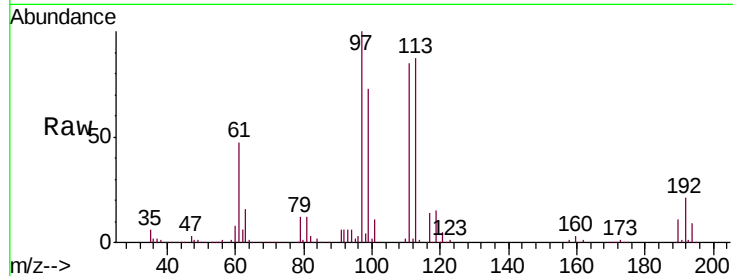
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	193610
Ion Ratio	Lower	Upper	
113	100		
111	100.4	81.4	122.0
192	23.7	19.1	28.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 57.119 ug/l

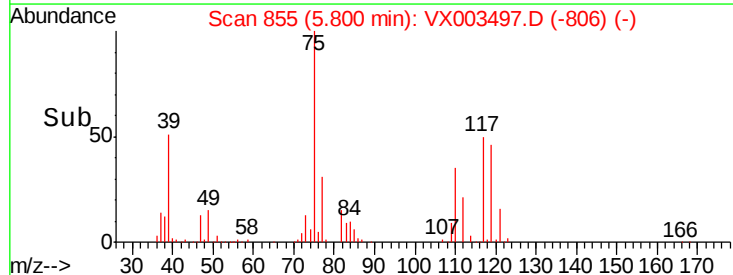
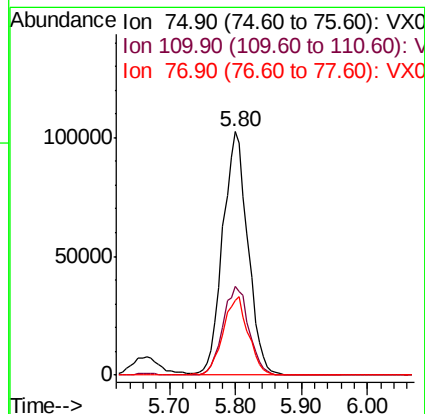
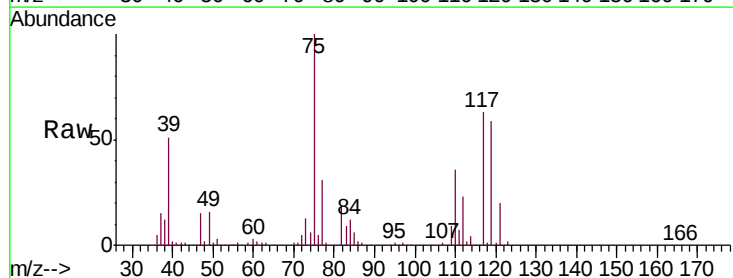
RT: 5.80 min Scan# 855

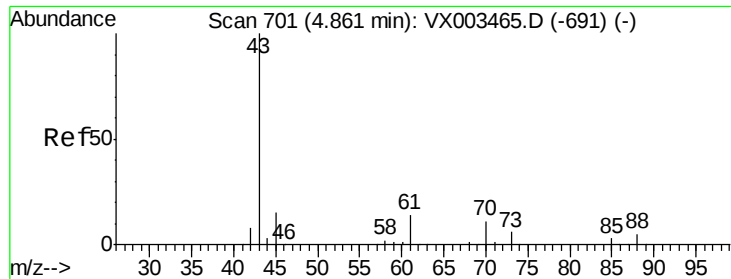
Delta R.T. -0.00 min

Lab File: VX003497.D

Acq: 20 Jul 2018 08:03

Tgt Ion:	75	Resp:	269536
Ion Ratio	Lower	Upper	
75	100		
110	37.7	18.1	54.4
77	32.3	24.3	36.5





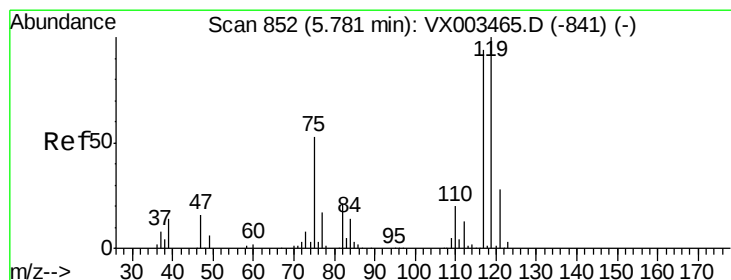
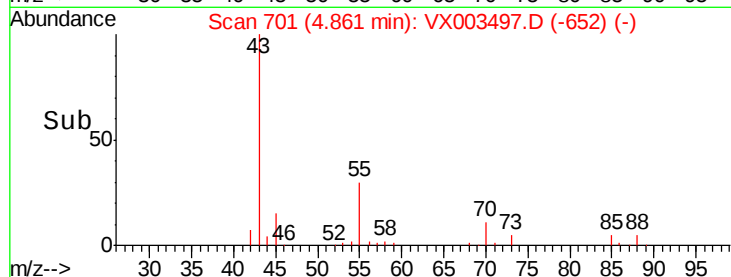
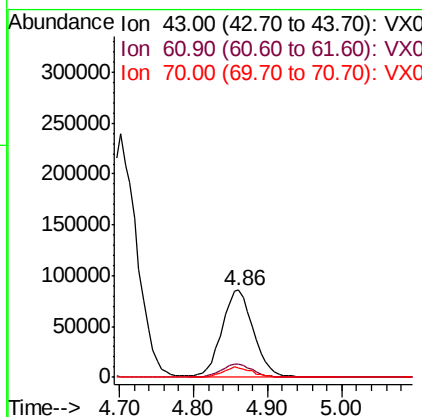
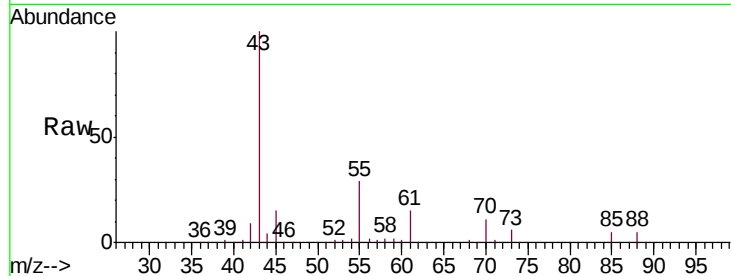
#37
Ethyl Acetate
Concen: 56.518 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.00 min
Lab File: VX003497.D
Acq: 20 Jul 2018 08:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	10.4	15.6
70	11.1	7.6	11.4

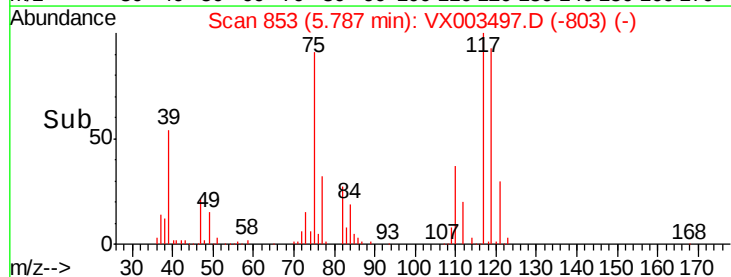
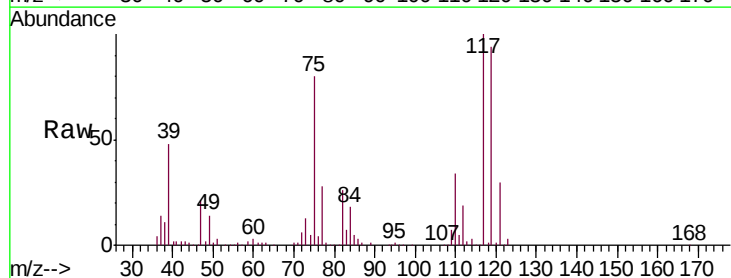
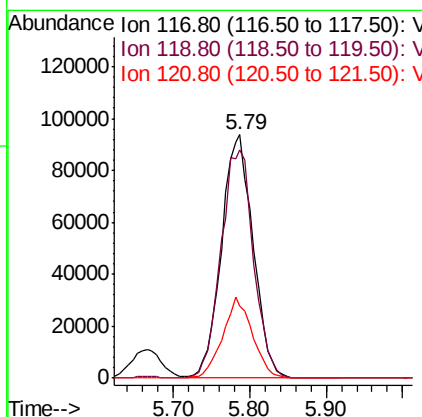
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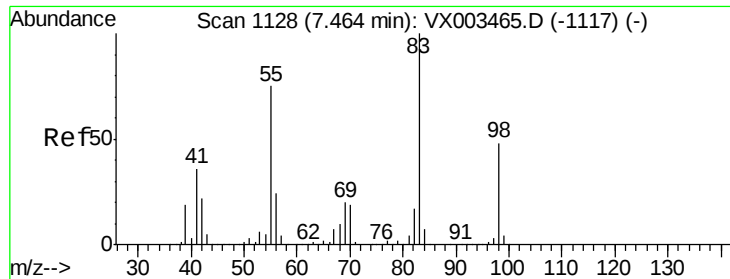
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#38
Carbon Tetrachloride
Concen: 57.812 ug/l
RT: 5.79 min Scan# 852
Delta R.T. 0.01 min
Lab File: VX003497.D
Acq: 20 Jul 2018 08:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.6	77.4	116.0
121	29.6	24.4	36.6





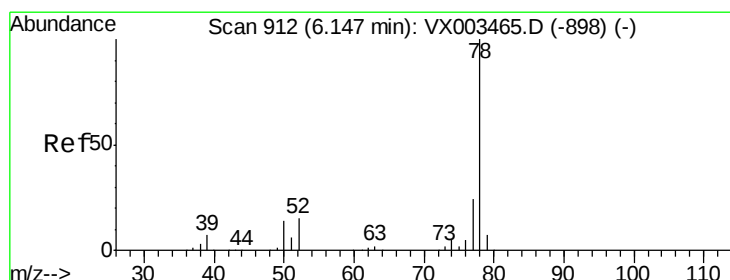
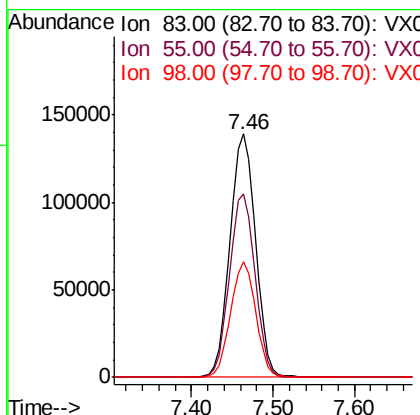
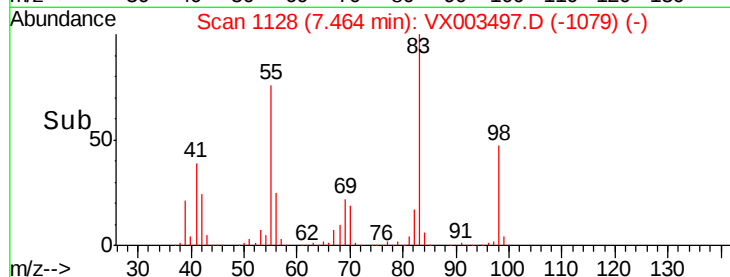
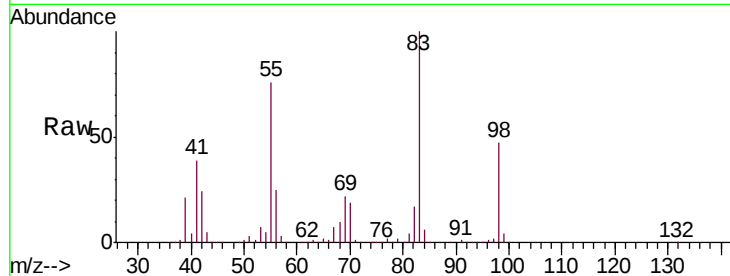
#39
Methvlcvclohexane
Concen: 53.705 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX003497.D
Acq: 20 Jul 2018 08:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	75.6	65.4	98.0	
98	47.3	37.4	56.0	

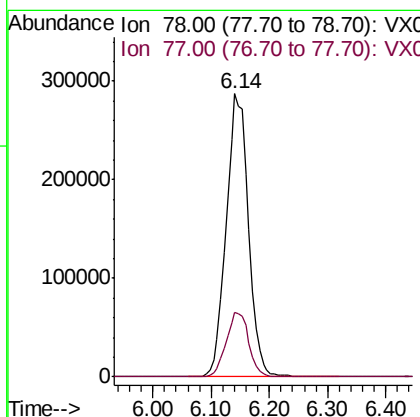
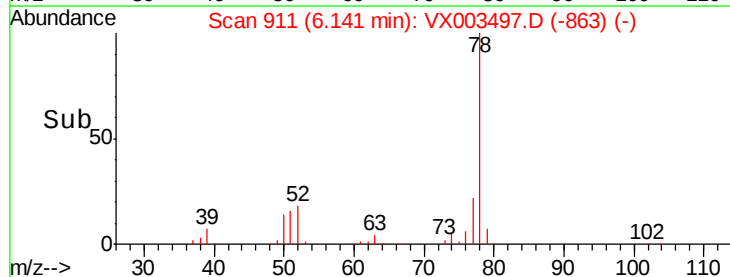
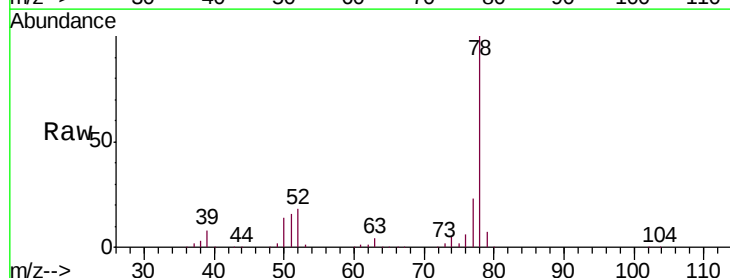
Manual Integrations
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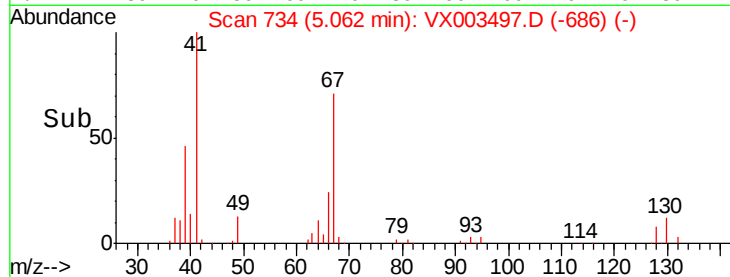
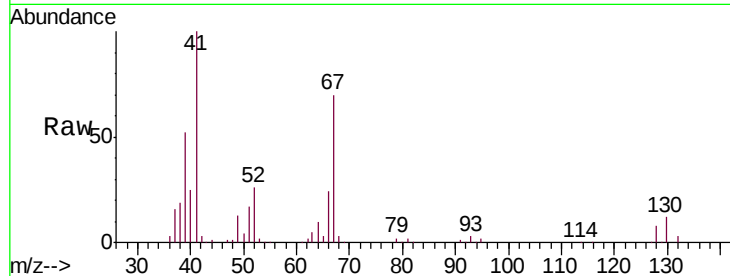
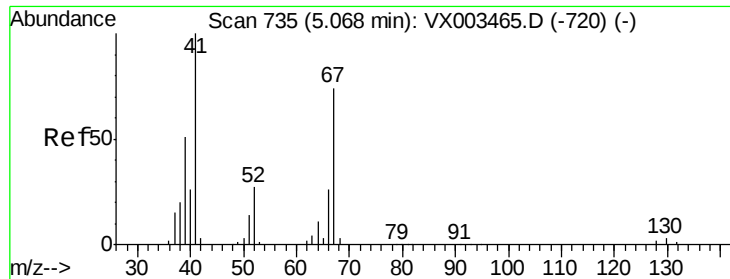
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#40
Benzene
Concen: 53.483 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.01 min
Lab File: VX003497.D
Acq: 20 Jul 2018 08:03

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	22.7	19.1	28.7	





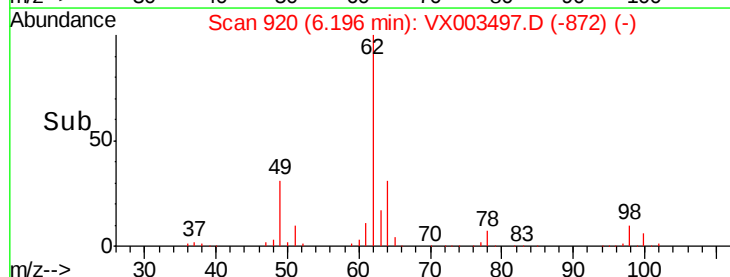
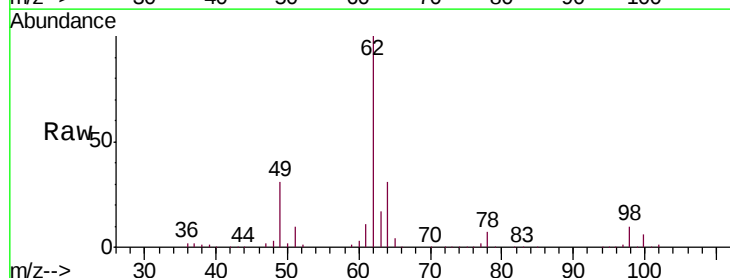
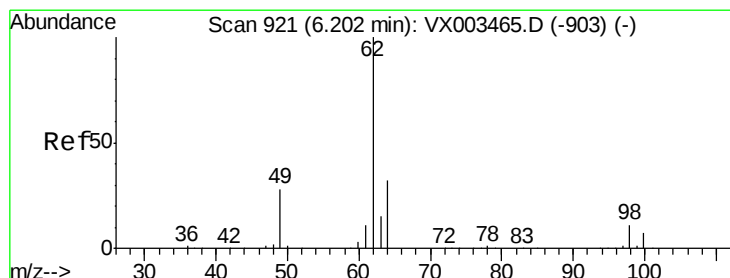
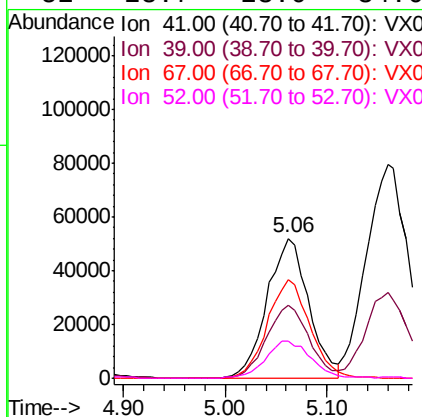
#41
Methacrylonitrile
Concen: 55.739 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.01 min
Lab File: VX003497.D
Acq: 20 Jul 2018 08:03

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		146282		
39	53.1	45.8	68.6		
67	72.5	51.3	76.9		
52	28.7	23.0	34.6		

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

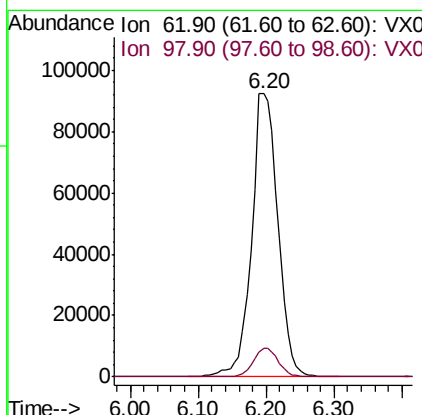
Manual Integrations
APPROVED

MMDadoda
7/23/2018 12:34:26 PM



#42
1,2-Dichloroethane
Concen: 55.516 ug/l
RT: 6.20 min Scan# 920
Delta R.T. -0.01 min
Lab File: VX003497.D
Acq: 20 Jul 2018 08:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		249211		
98	9.8	0.0	16.6		





#43

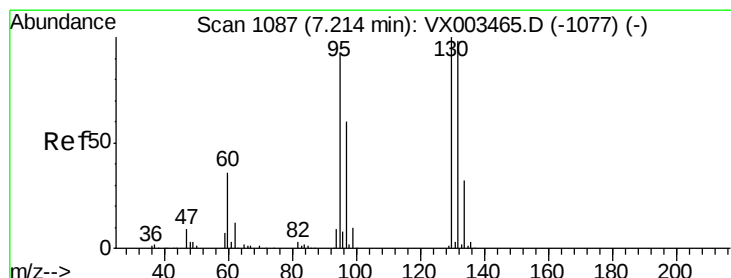
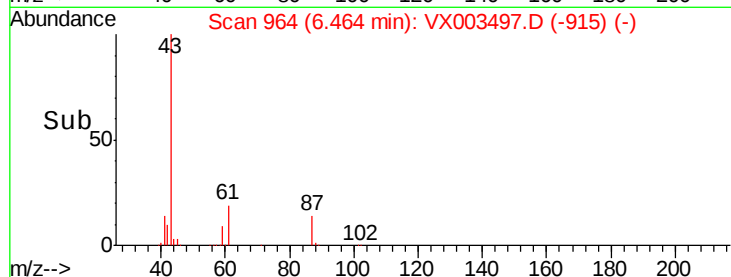
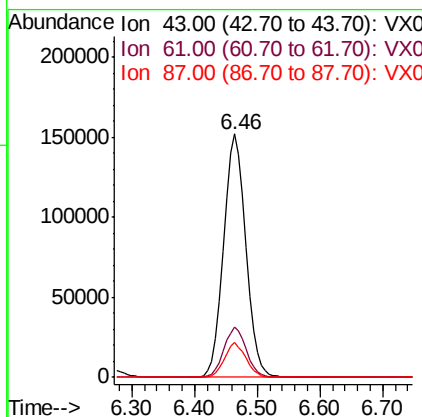
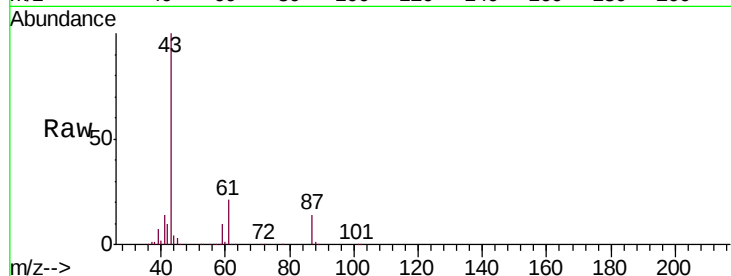
Isopropyl Acetate
 Concen: 52.483 ug/l
 RT: 6.46 min Scan# 964
 Delta R.T. -0.00 min
 Lab File: VX003497.D
 Acq: 20 Jul 2018 08:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.7	14.4	21.6
87	13.8	9.5	14.3

Manual Integrations
 APPROVED

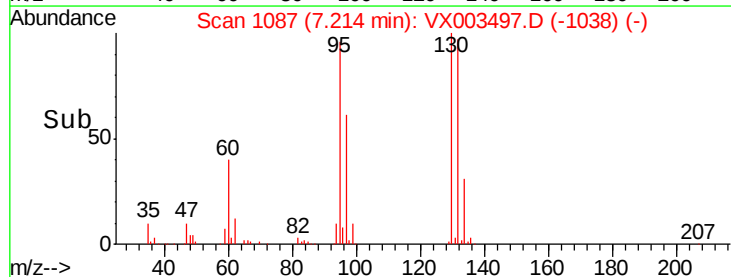
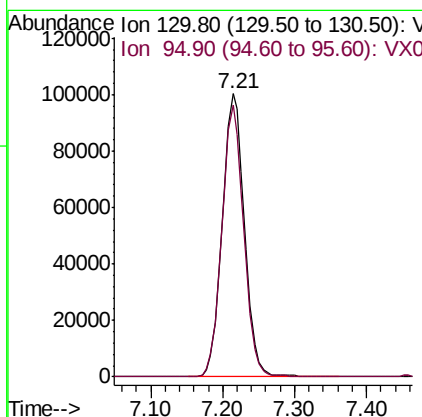
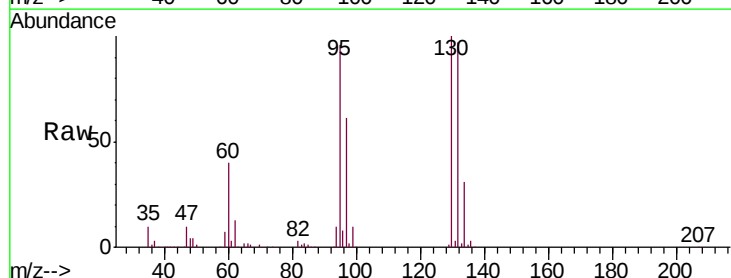
MMDadoda
 7/23/2018 12:34:26 PM



#44

Trichloroethene
 Concen: 50.555 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: VX003497.D
 Acq: 20 Jul 2018 08:03

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.1	0.0	185.4





#45

1,2-Dichloropropane

Concen: 52.624 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VX003497.D

Acq: 20 Jul 2018 08:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 190376

Ion Ratio Lower Upper

63 100

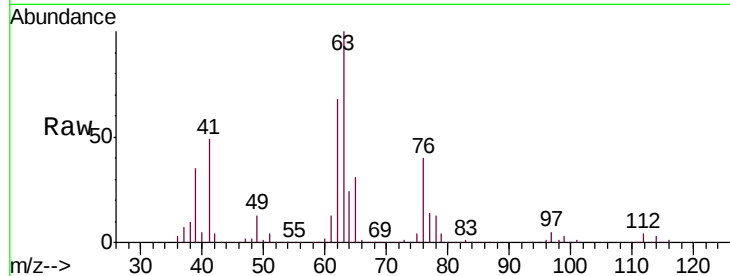
65 31.3 24.7 37.1

Manual Integrations

APPROVED

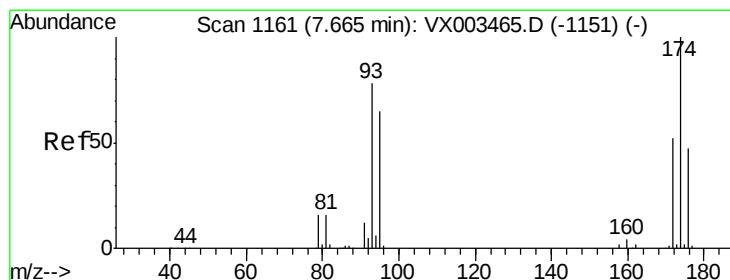
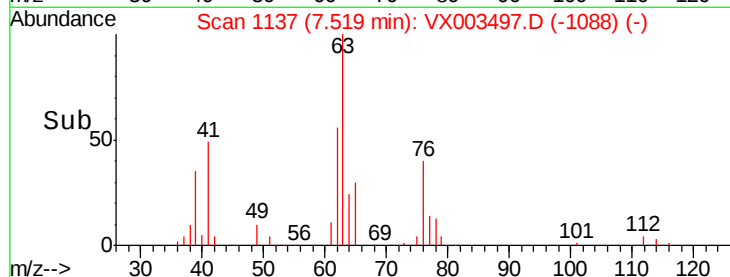
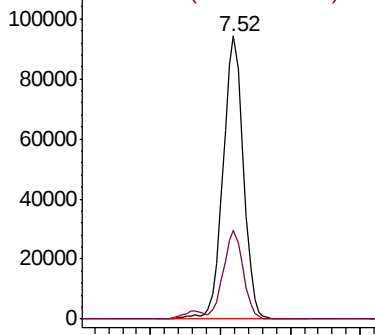
MMDadoda

7/23/2018 12:34:26 PM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 52.855 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VX003497.D

Acq: 20 Jul 2018 08:03

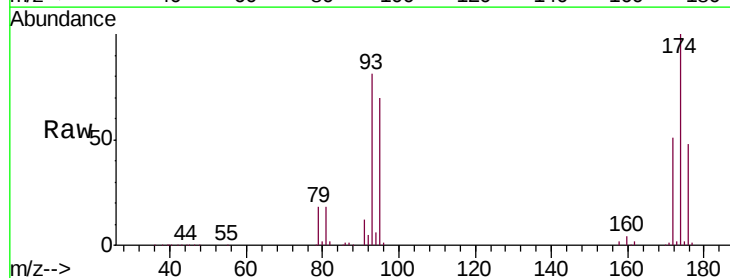
Tgt Ion: 93 Resp: 123102

Ion Ratio Lower Upper

93 100

95 82.7 65.9 98.9

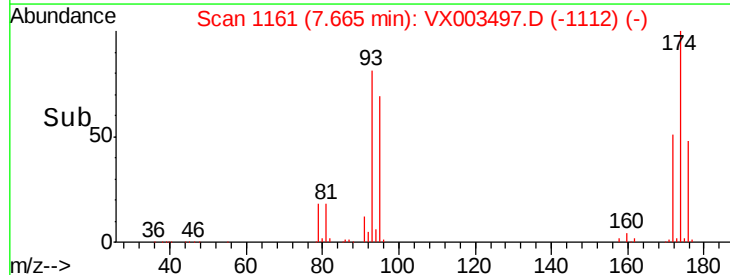
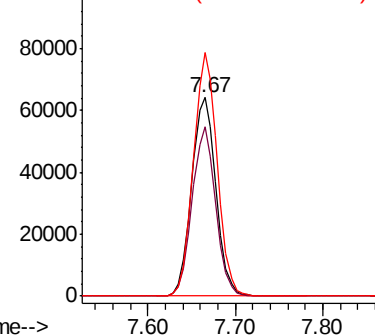
174 120.5 92.4 138.6



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 54.595 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX003497.D

Acq: 20 Jul 2018 08:03

Instrument :

MSVOA_X

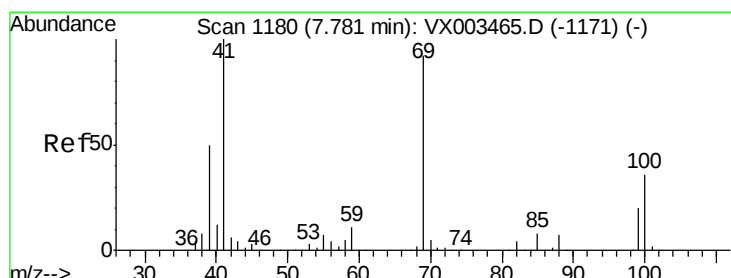
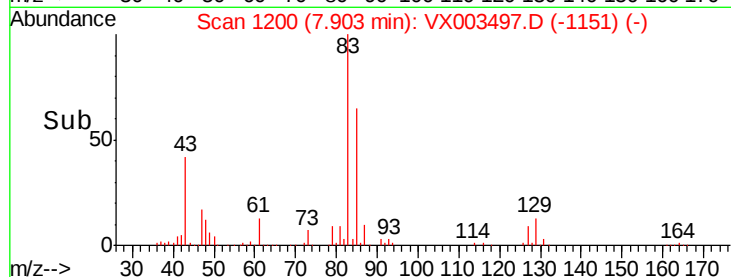
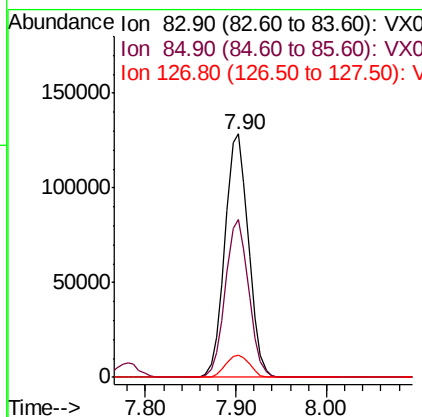
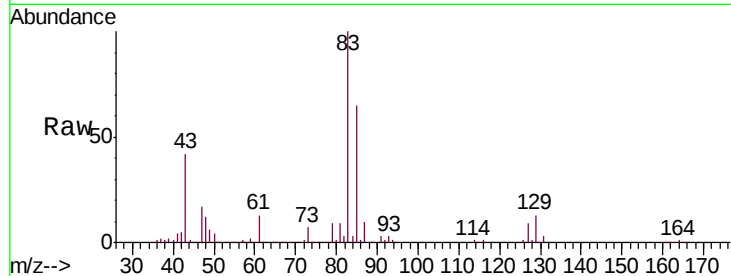
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	232782
Ion	Ratio	Lower	Upper
83	100		
85	64.7	50.3	75.5
127	8.9	7.0	10.4

Manual Integrations
APPROVED

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#48

Methyl methacrylate

Concen: 54.528 ug/l

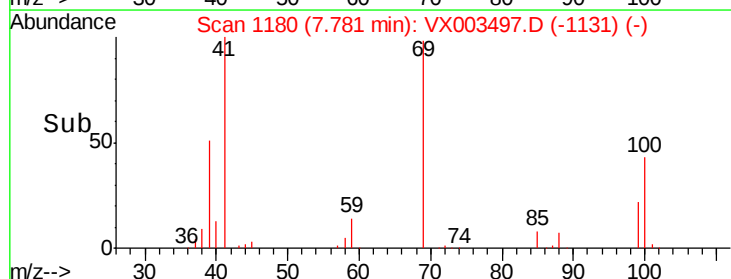
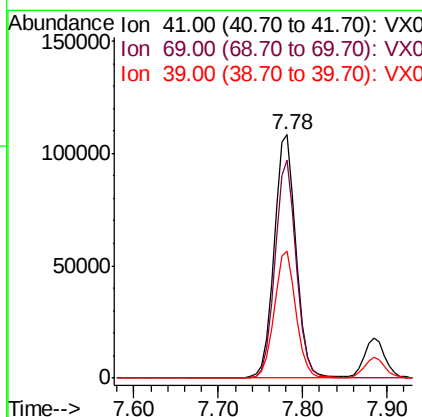
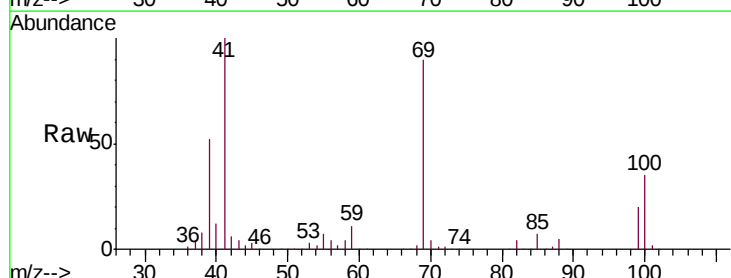
RT: 7.78 min Scan# 1180

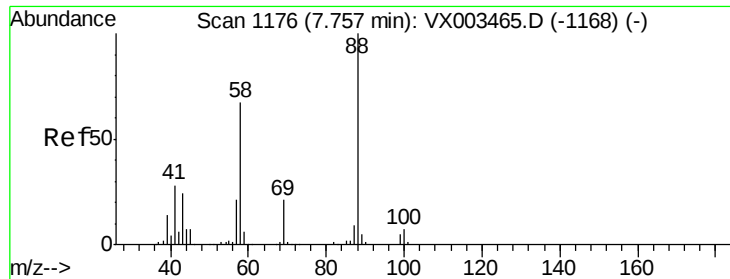
Delta R.T. -0.00 min

Lab File: VX003497.D

Acq: 20 Jul 2018 08:03

Tgt Ion:	41	Resp:	195325
Ion	Ratio	Lower	Upper
41	100		
69	86.9	59.1	88.7
39	51.1	48.9	73.3





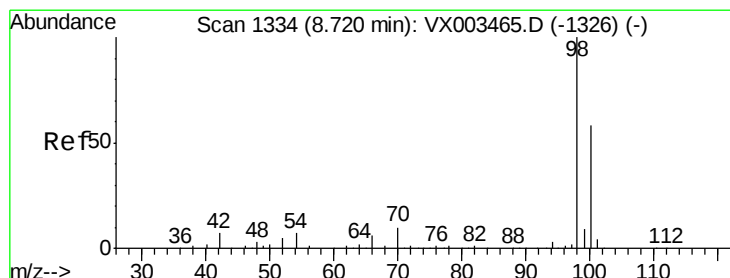
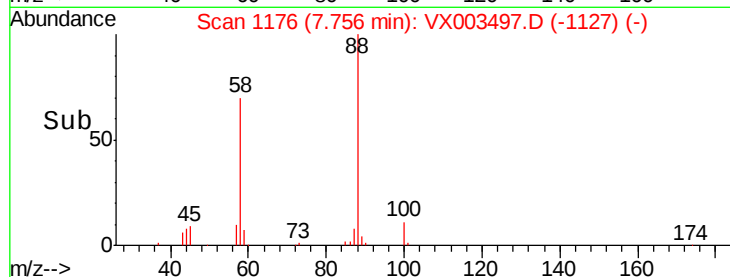
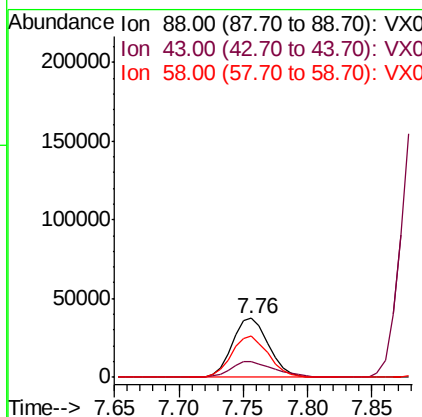
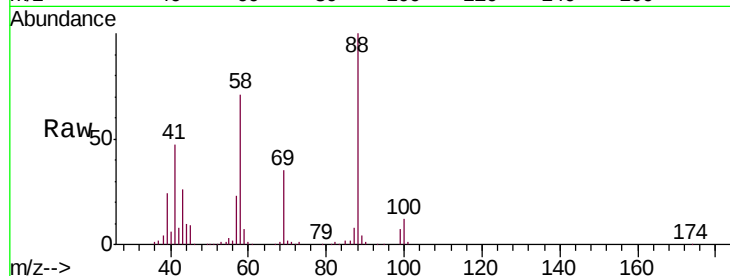
#49
1,4-Dioxane
Concen: 904.983 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX003497.D
Acq: 20 Jul 2018 08:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.4	29.8	44.6
58	72.2	57.1	85.7

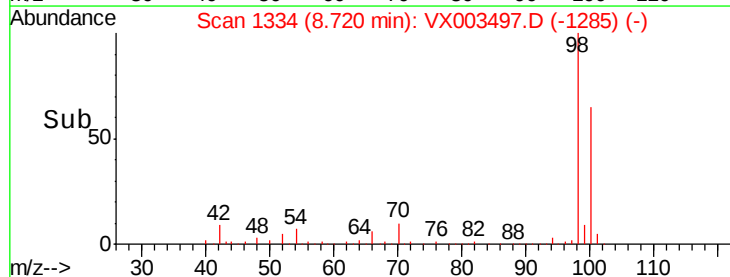
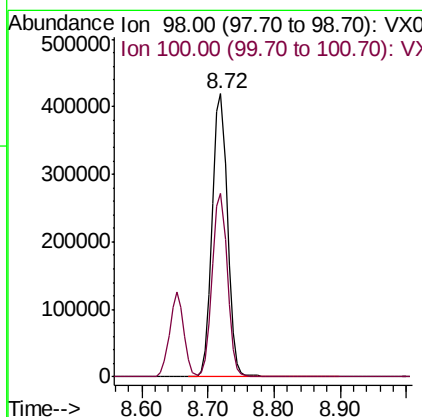
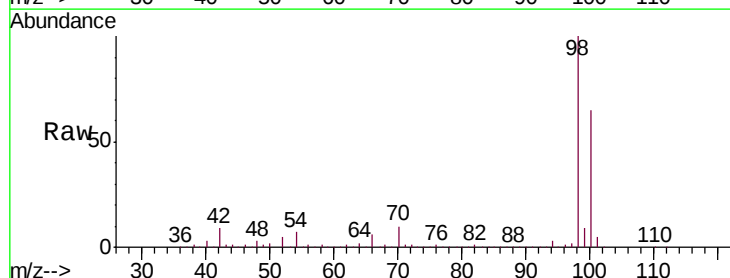
Manual Integrations
APPROVED

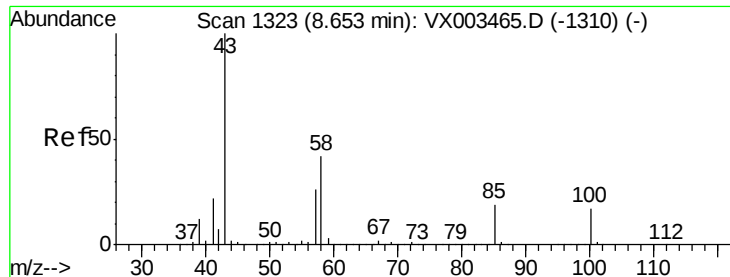
MMDadoda
7/23/2018 12:34:26 PM



#50
Toluene-d8
Concen: 53.372 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003497.D
Acq: 20 Jul 2018 08:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 267.718 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX003497.D

Acq: 20 Jul 2018 08:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1201370

Ion Ratio Lower Upper

43 100

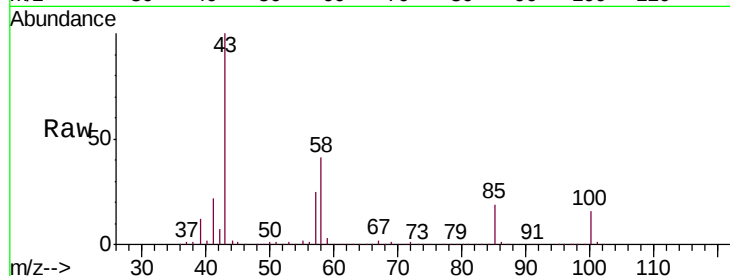
58 40.2 28.6 42.8

Manual Integrations

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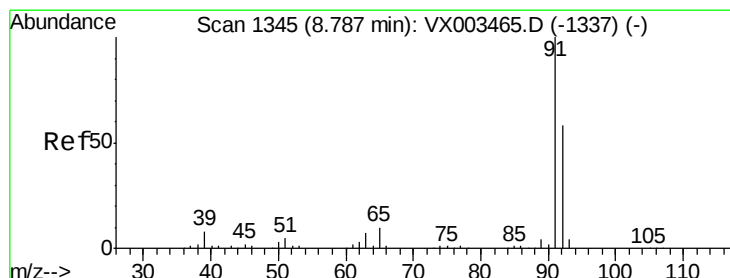
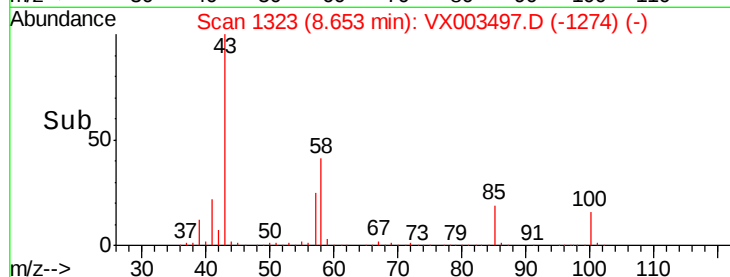
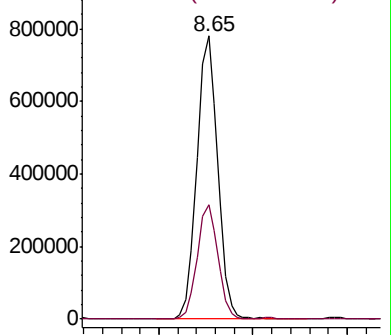
MMDadoda

7/23/2018 12:34:26 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 52.600 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX003497.D

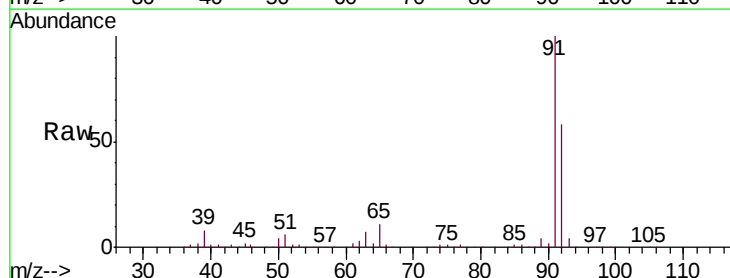
Acq: 20 Jul 2018 08:03

Tgt Ion: 92 Resp: 471727

Ion Ratio Lower Upper

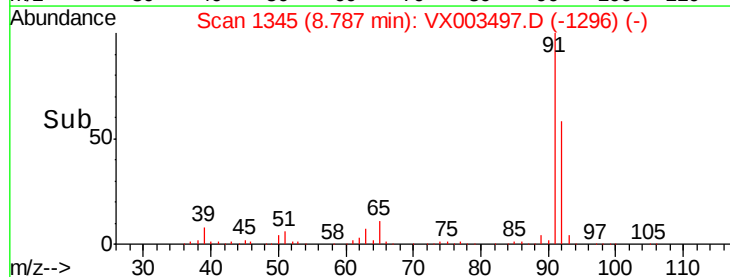
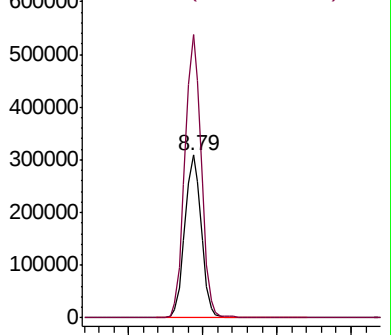
92 100

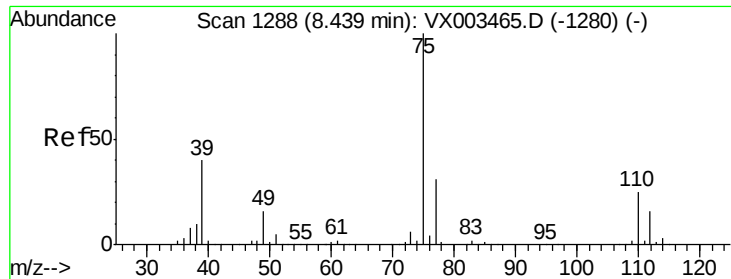
91 173.1 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





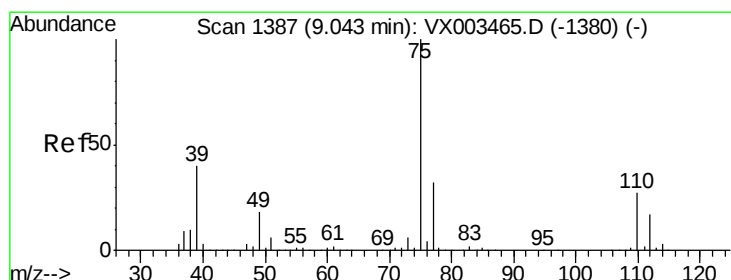
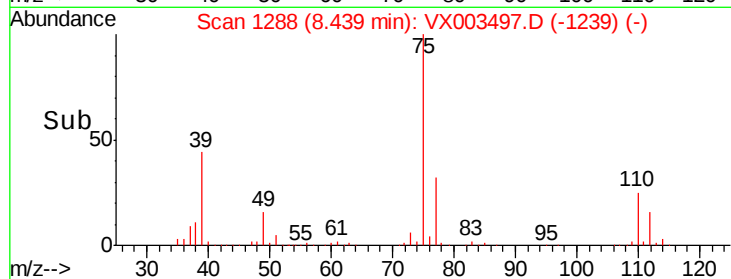
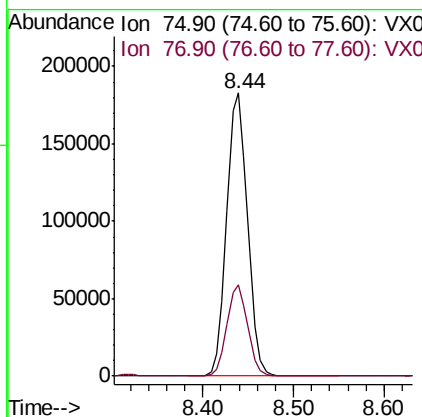
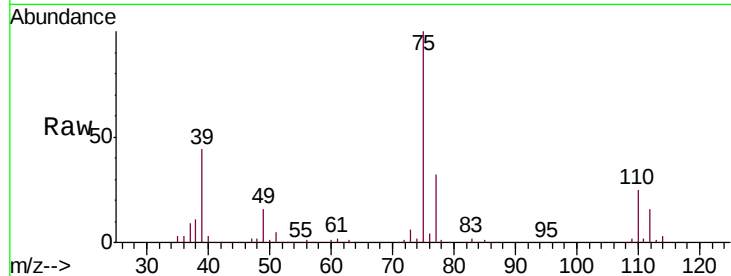
#53
t-1,3-Dichloropropene
Concen: 55.674 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX003497.D
Acq: 20 Jul 2018 08:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 292178
Ion Ratio Lower Upper
75 100
77 32.1 25.4 38.2

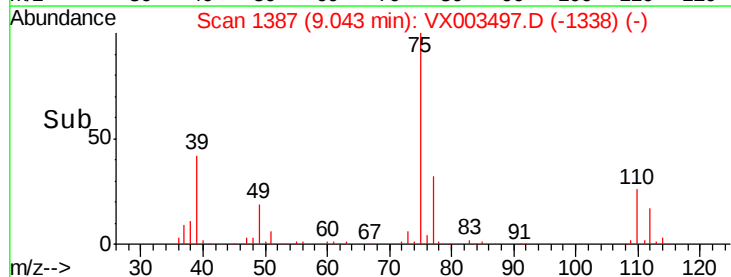
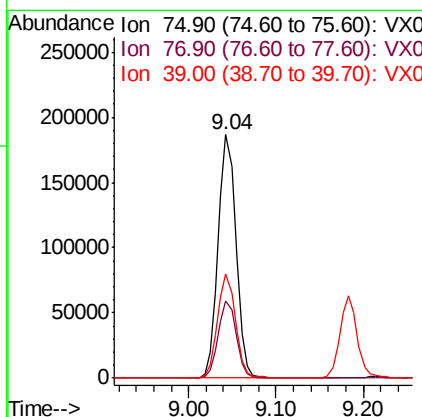
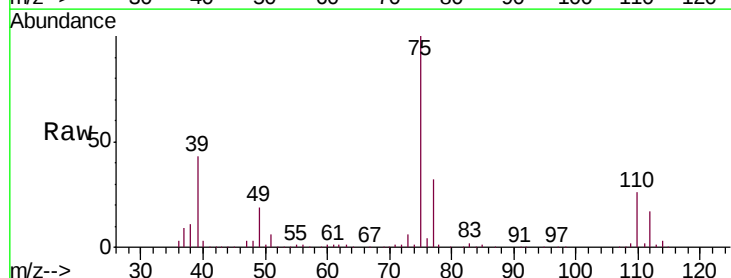
Manual Integrations
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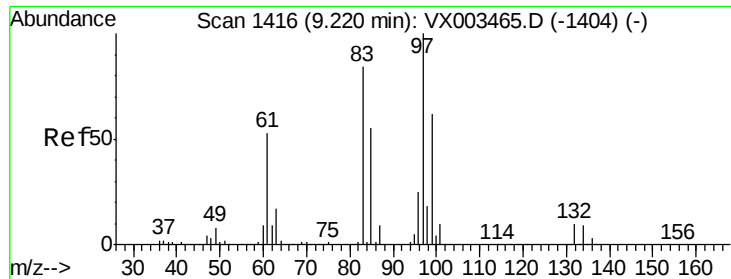
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 55.610 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.00 min
Lab File: VX003497.D
Acq: 20 Jul 2018 08:03

Tgt Ion: 75 Resp: 262453
Ion Ratio Lower Upper
75 100
77 31.7 24.8 37.2
39 42.4 42.4 63.6





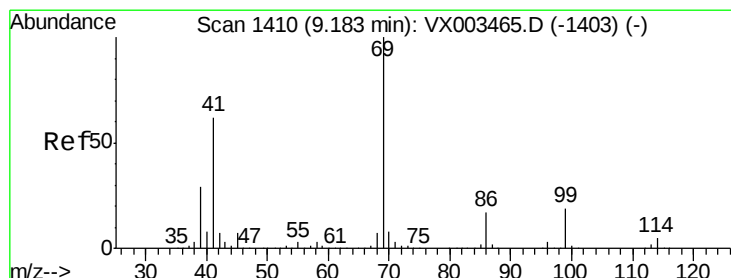
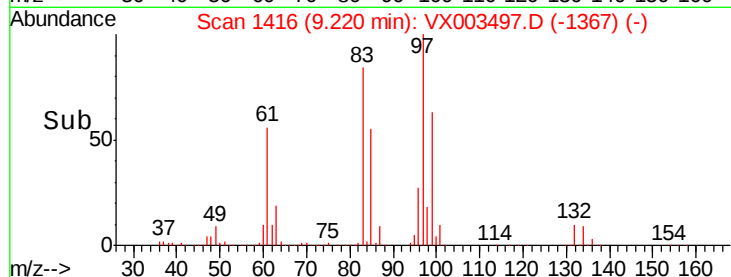
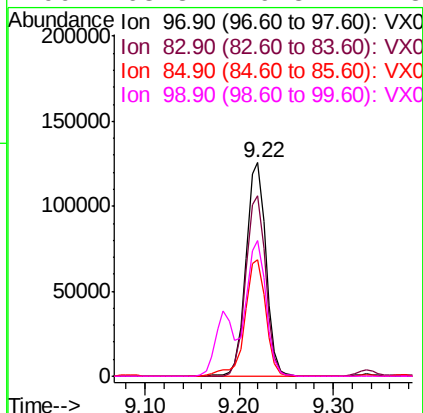
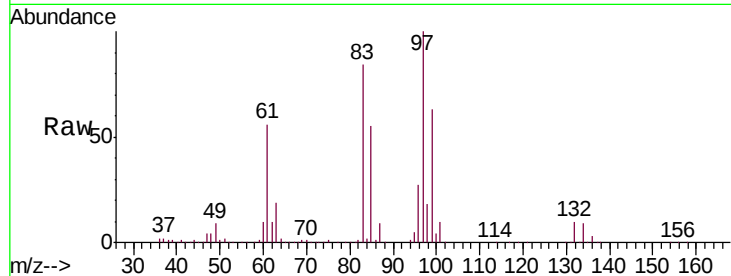
#55
1,1,2-Trichloroethane
Concen: 52.036 ug/l
RT: 9.22 min Scan# 1416
Delta R.T. -0.00 min
Lab File: VX003497.D
Acq: 20 Jul 2018 08:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
97	100	185697		
83	84.4	70.2	105.2	
85	54.8	44.9	67.3	
99	63.3	49.8	74.8	

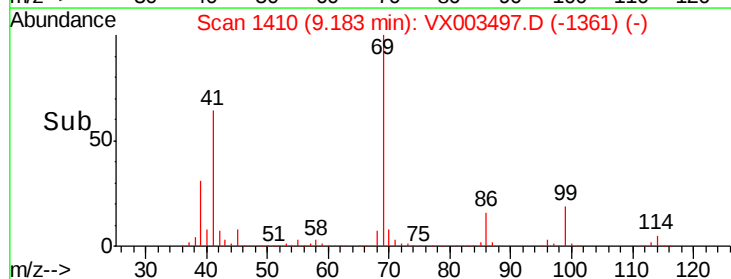
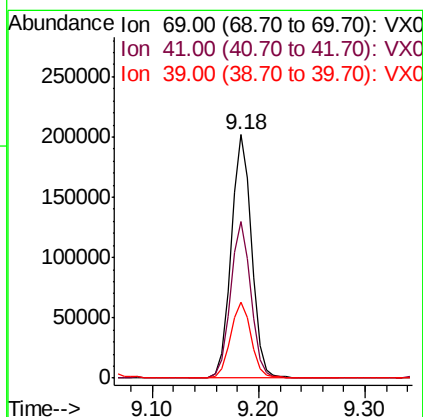
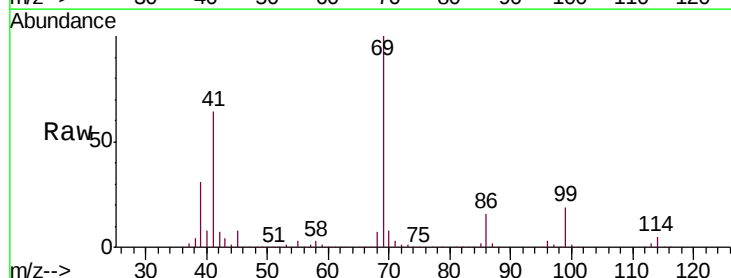
Manual Integrations
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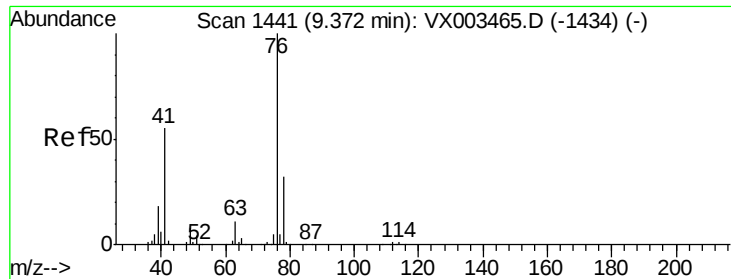
MMDadoda
7/23/2018 12:34:26 PM



#56
Ethyl methacrylate
Concen: 54.114 ug/l
RT: 9.18 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX003497.D
Acq: 20 Jul 2018 08:03

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	271999		
41	64.1	60.3	90.5	
39	32.1	35.8	53.8#	





#57

1,3-Dichloropropane

Concen: 53.686 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. -0.00 min

Lab File: VX003497.D

Acq: 20 Jul 2018 08:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 309689

Ion Ratio Lower Upper

76 100

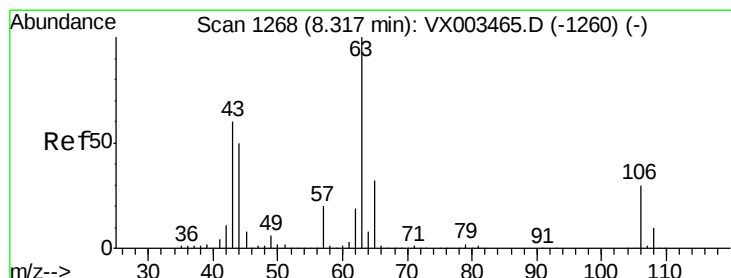
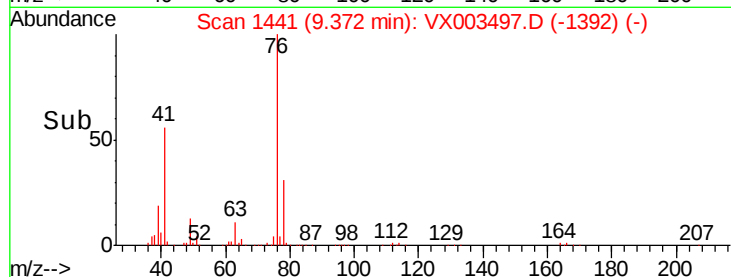
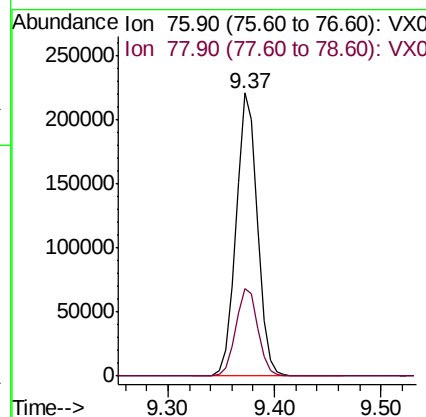
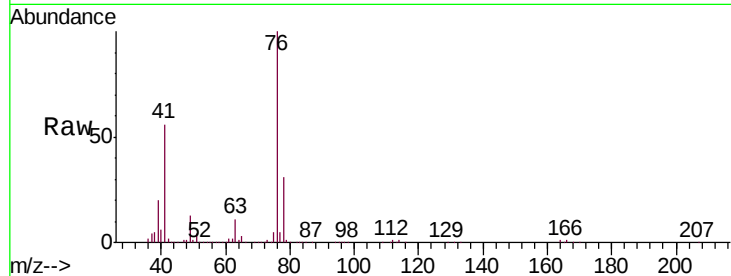
78 32.1 25.8 38.6

Manual Integrations

APPROVED

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7/23/2018 12:34:26 PM



#58

2-Chloroethyl Vinyl ether

Concen: 265.357 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VX003497.D

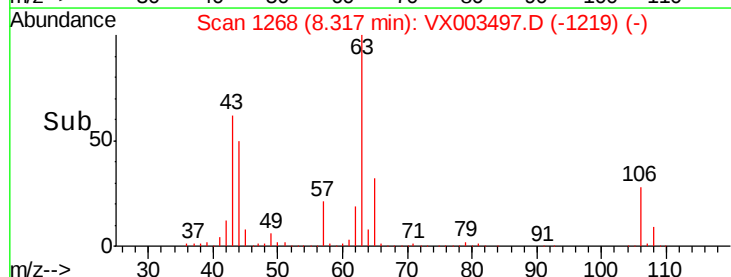
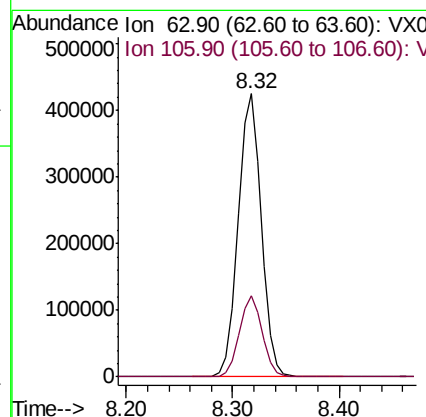
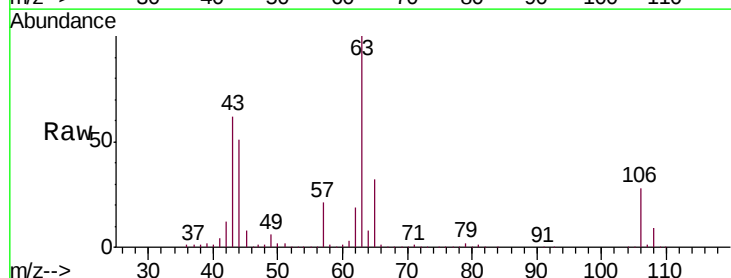
Acq: 20 Jul 2018 08:03

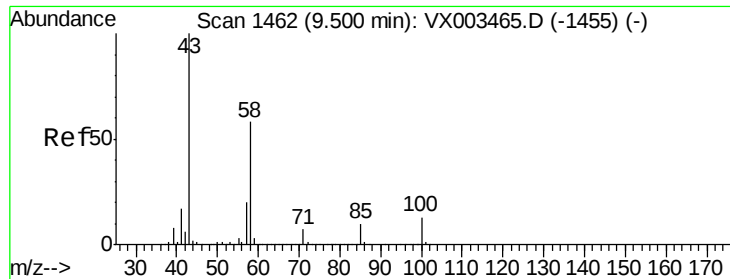
Tgt Ion: 63 Resp: 648556

Ion Ratio Lower Upper

63 100

106 28.3 21.8 32.8





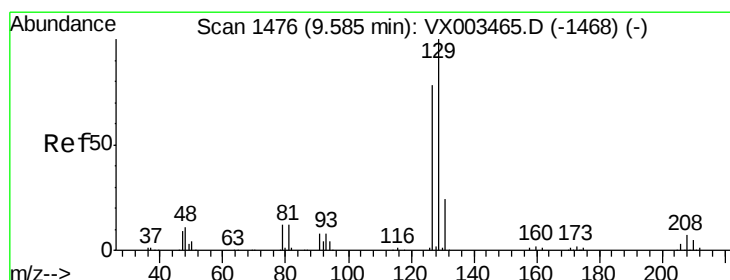
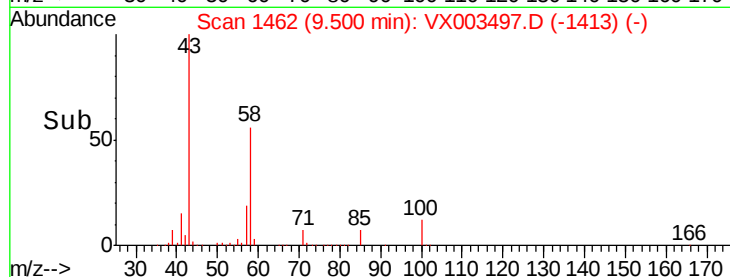
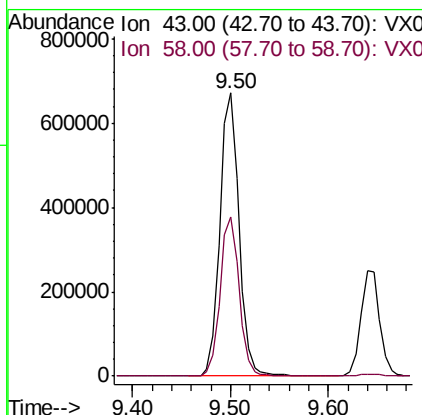
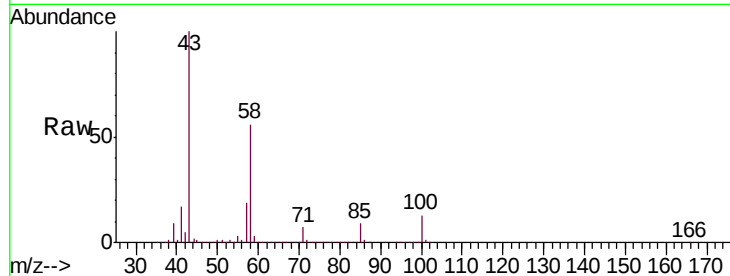
#59
2-Hexanone
Concen: 274.160 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX003497.D
Acq: 20 Jul 2018 08:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	43	58	Ratio	Lower	Upper
Resp: 911538	100	56.3		24.6	73.6

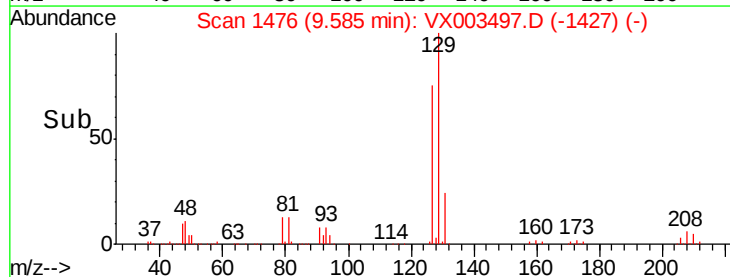
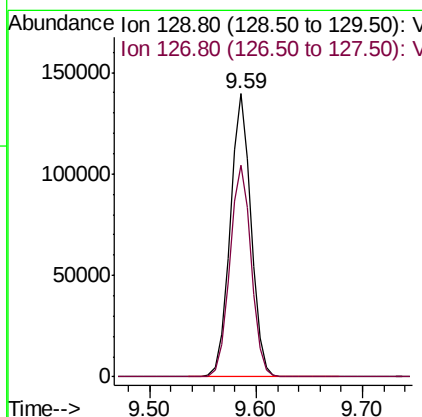
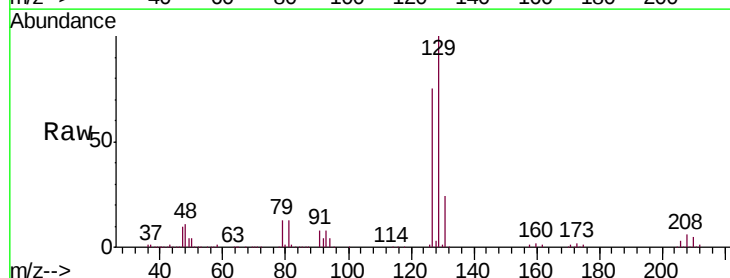
Manual Integrations
APPROVED

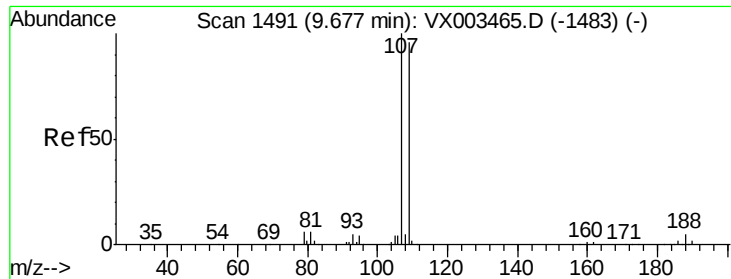
MMDadoda
7/23/2018 12:34:26 PM



#60
Dibromochloromethane
Concen: 54.180 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX003497.D
Acq: 20 Jul 2018 08:03

Tgt Ion	129	127	Ratio	Lower	Upper
Resp: 191378	100	76.7		38.5	115.3





#61

1,2-Dibromoethane

Concen: 52.313 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX003497.D

Acq: 20 Jul 2018 08:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 193524

Ion Ratio Lower Upper

107 100

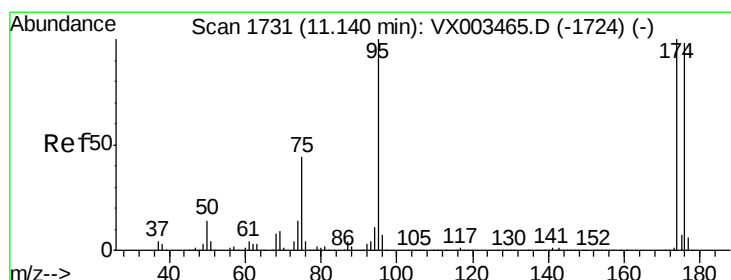
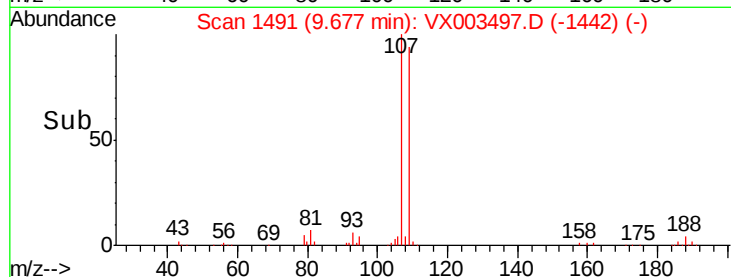
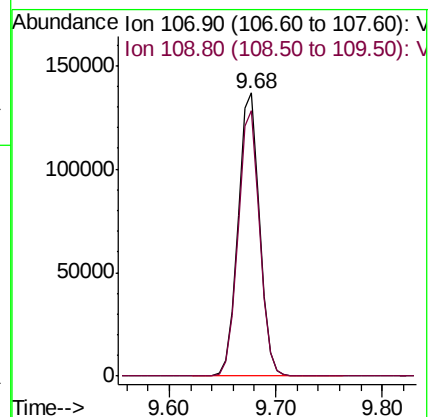
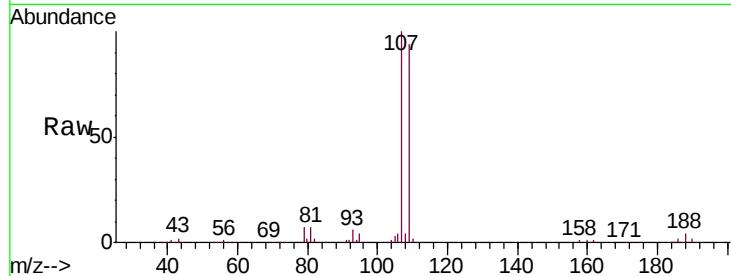
109 94.2 75.3 112.9

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#62

4-Bromofluorobenzene

Concen: 53.288 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003497.D

Acq: 20 Jul 2018 08:03

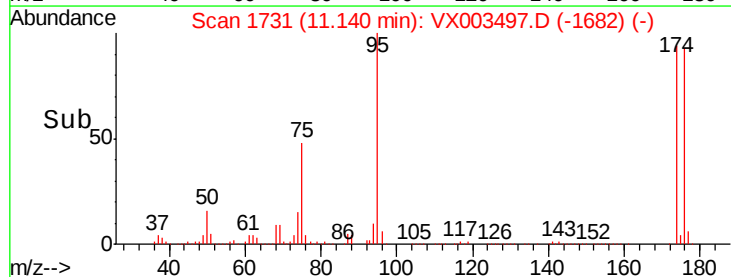
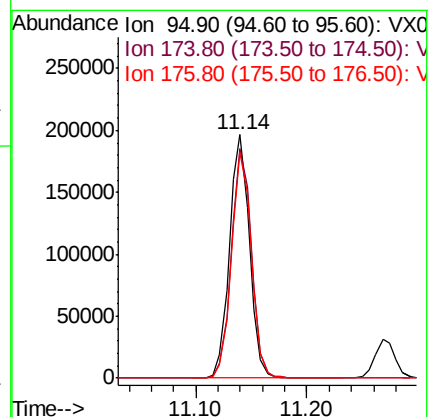
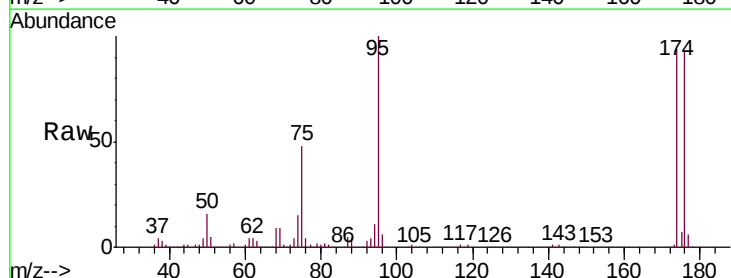
Tgt Ion: 95 Resp: 243331

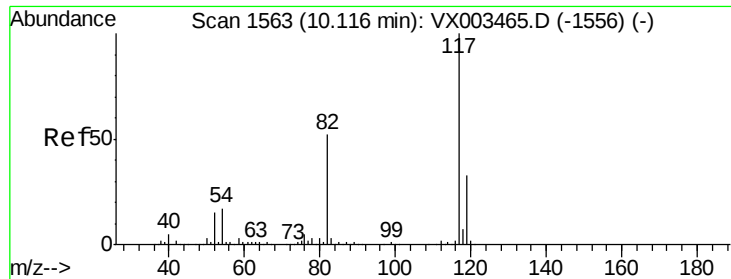
Ion Ratio Lower Upper

95 100

174 95.1 0.0 187.4

176 92.5 0.0 181.0





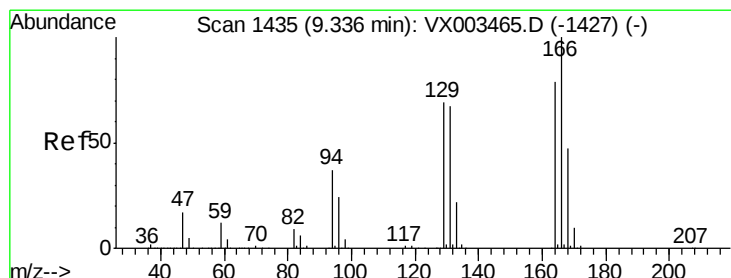
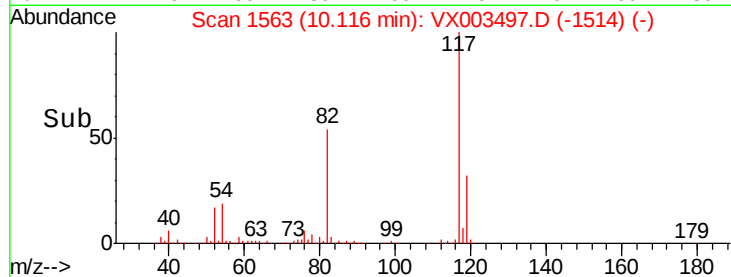
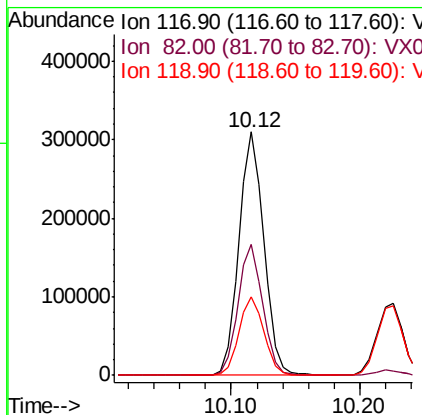
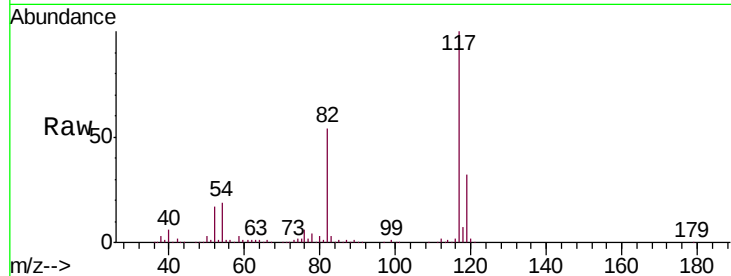
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003497.D
Acq: 20 Jul 2018 08:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	415511		
82	53.9	45.0	67.4	
119	32.3	25.8	38.6	

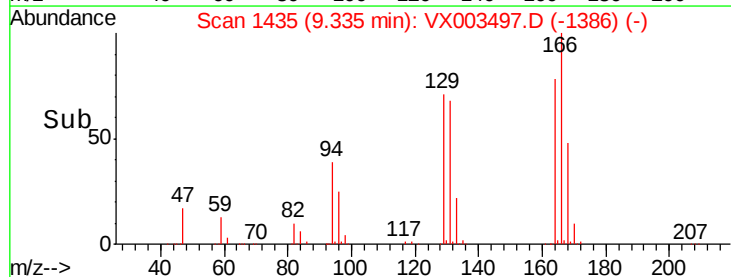
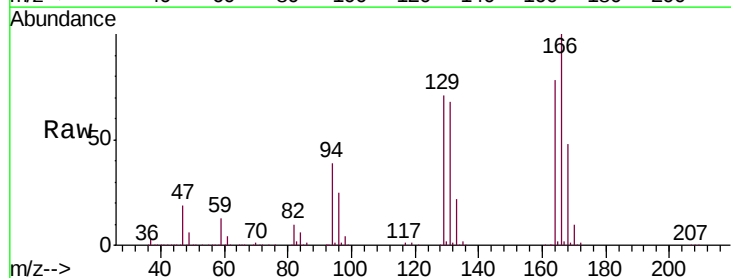
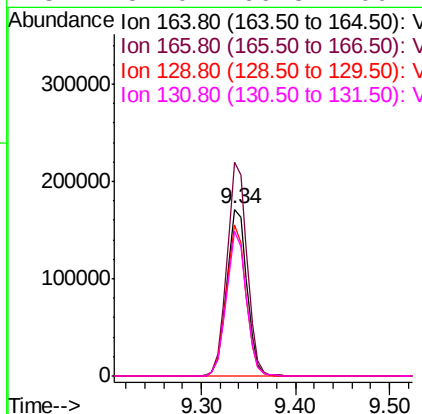
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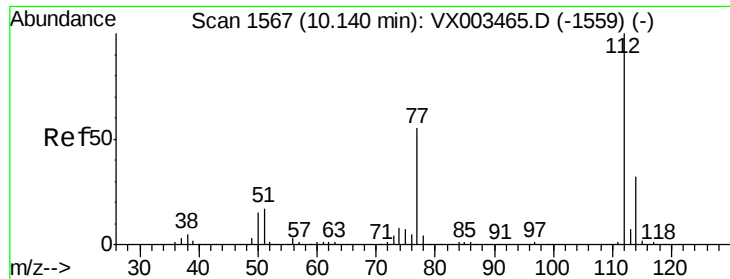
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#64
Tetrachloroethene
Concen: 50.144 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX003497.D
Acq: 20 Jul 2018 08:03

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	253854		
166	128.0	102.9	154.3	
129	90.3	68.6	102.8	
131	87.0	66.8	100.2	





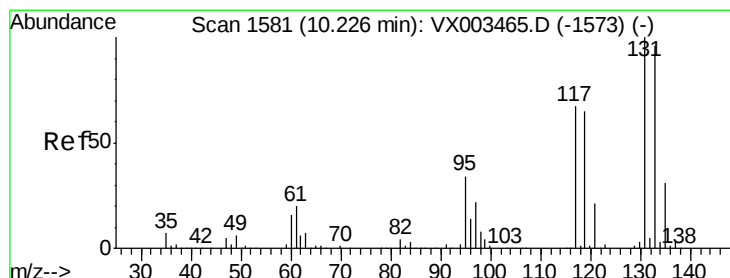
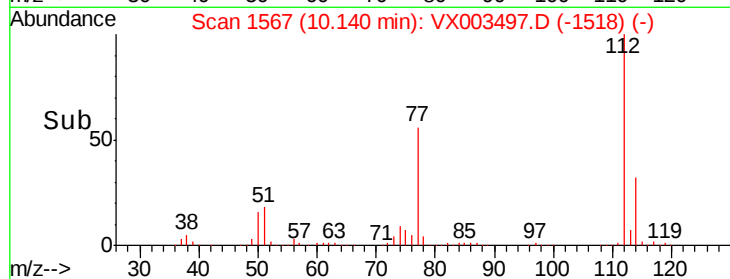
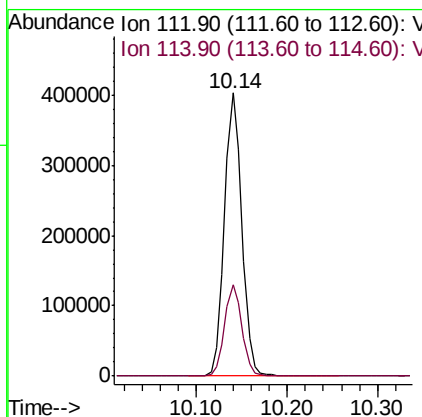
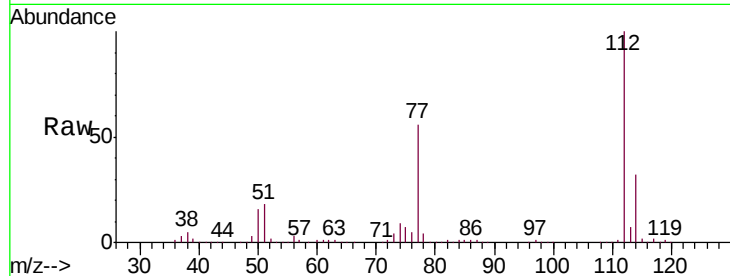
#65
Chlorobenzene
Concen: 50.366 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX003497.D
Acq: 20 Jul 2018 08:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 539205
Ion Ratio Lower Upper
112 100
114 32.1 25.3 37.9

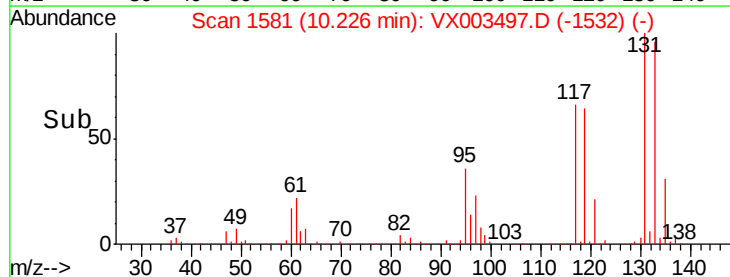
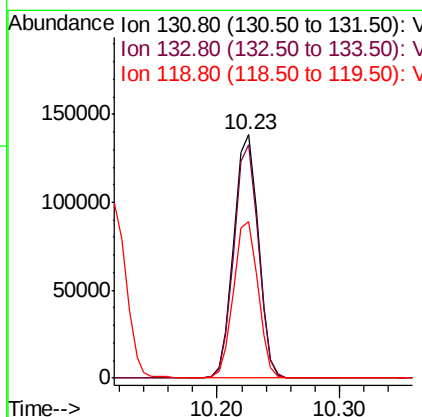
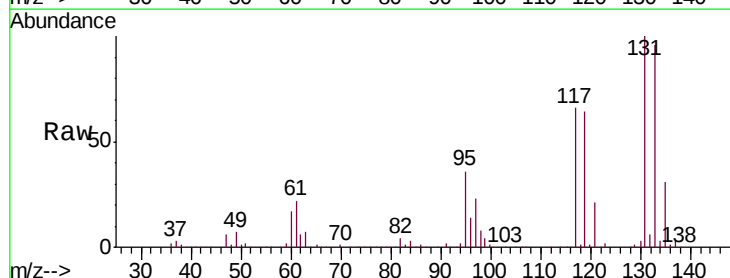
Manual Integrations
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.036 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX003497.D
Acq: 20 Jul 2018 08:03

Tgt Ion:131 Resp: 191671
Ion Ratio Lower Upper
131 100
133 95.4 47.9 143.6
119 64.5 31.8 95.3





#67

Ethyl Benzene

Concen: 52.784 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX003497.D

Acq: 20 Jul 2018 08:03

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 908585

Ion Ratio Lower Upper

91 100

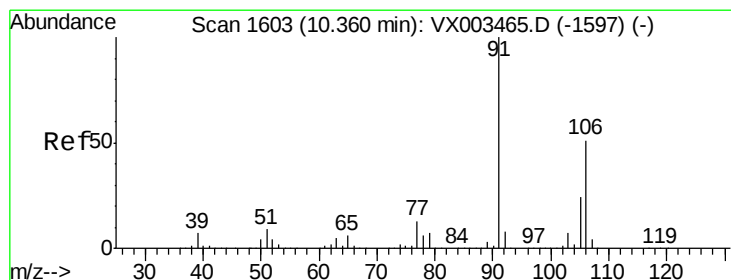
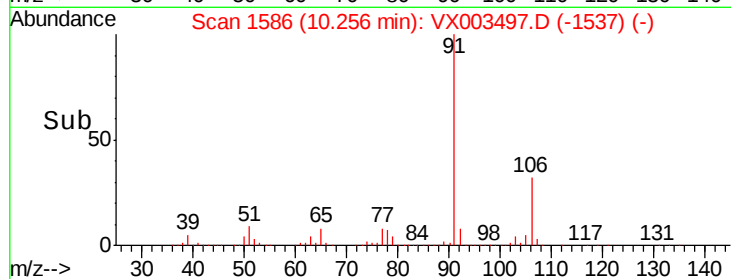
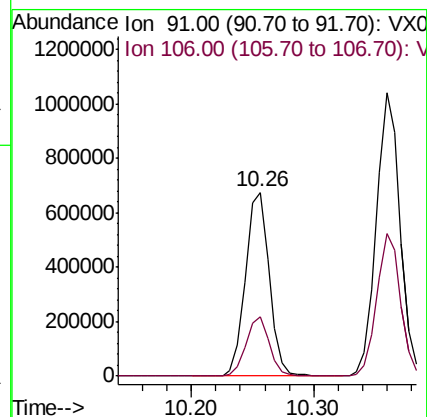
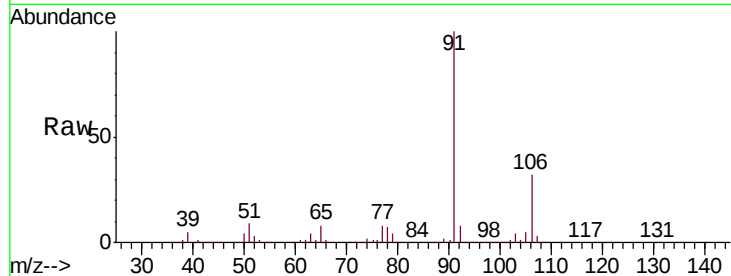
106 32.0 25.5 38.3

Manual Integrations

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#68

m/p-Xylenes

Concen: 105.396 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VX003497.D

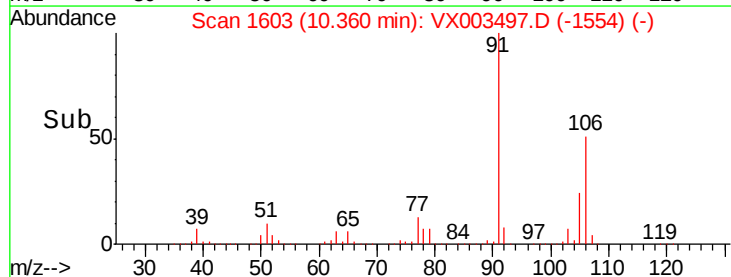
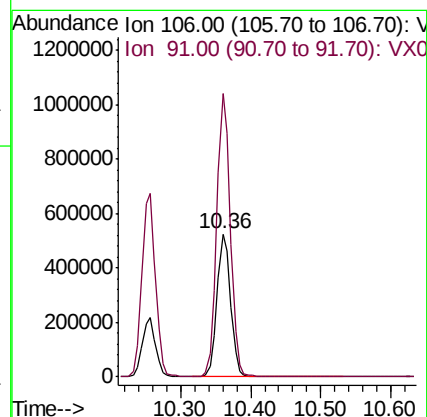
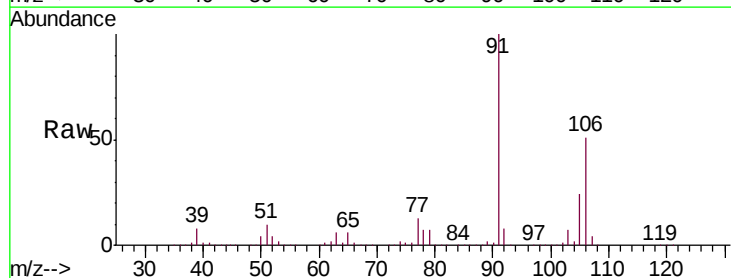
Acq: 20 Jul 2018 08:03

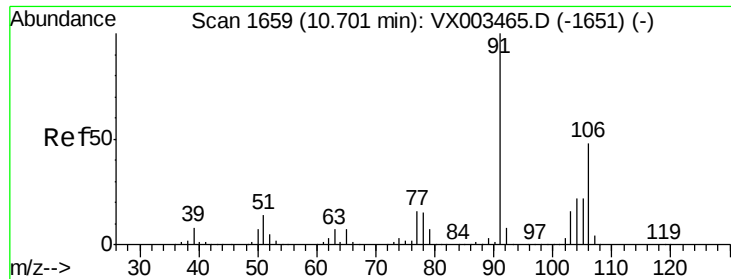
Tgt Ion: 106 Resp: 711246

Ion Ratio Lower Upper

106 100

91 198.0 163.4 245.2





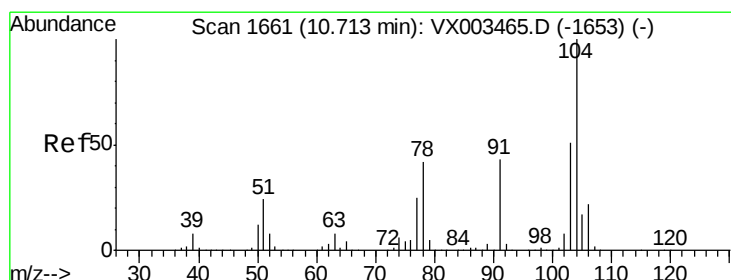
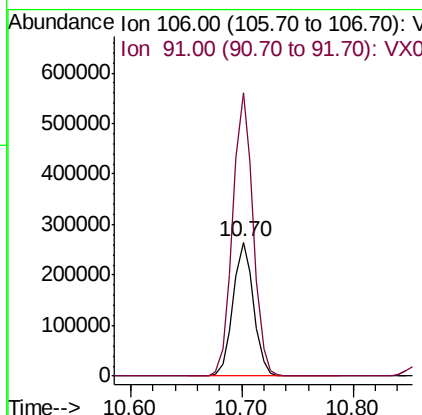
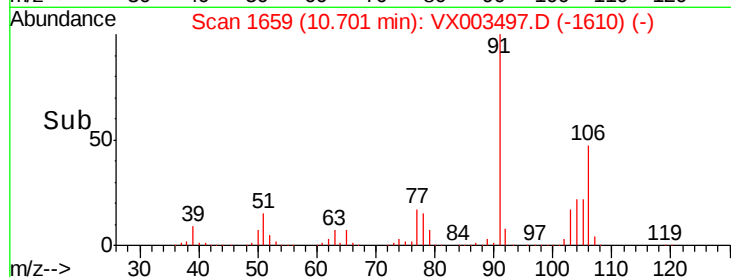
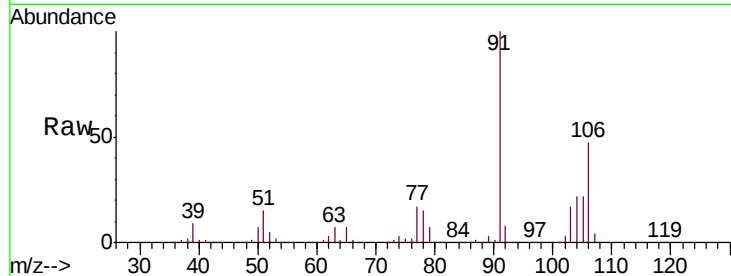
#69
o-Xylene
Concen: 51.845 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX003497.D
Acq: 20 Jul 2018 08:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 338322
Ion Ratio Lower Upper
106 100
91 210.7 108.2 324.6

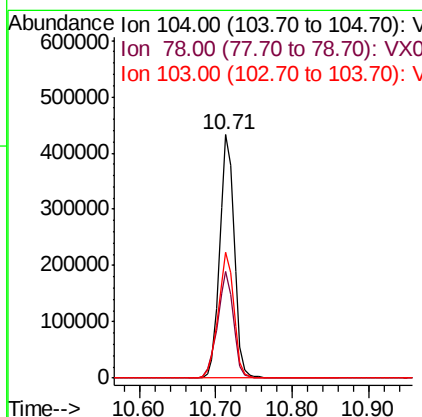
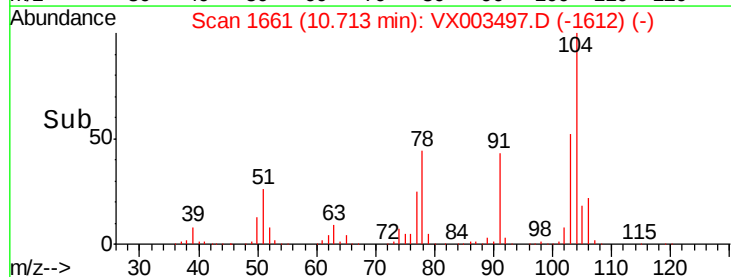
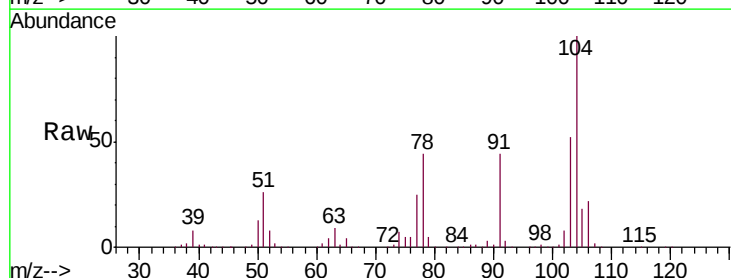
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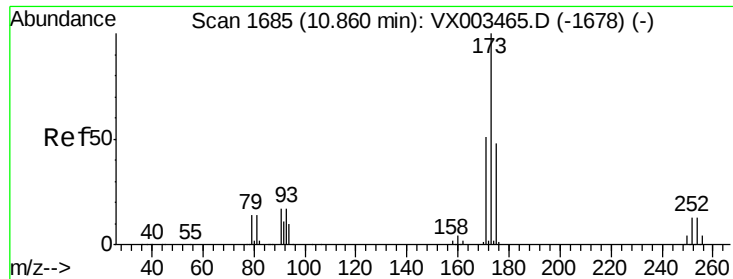
MMDadoda
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#70
Styrene
Concen: 53.120 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX003497.D
Acq: 20 Jul 2018 08:03

Tgt Ion:104 Resp: 570187
Ion Ratio Lower Upper
104 100
78 47.6 41.0 61.6
103 55.7 44.2 66.4





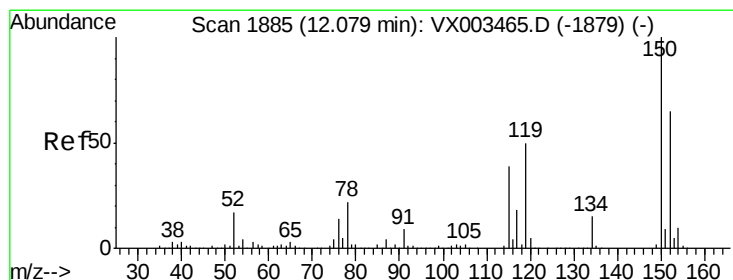
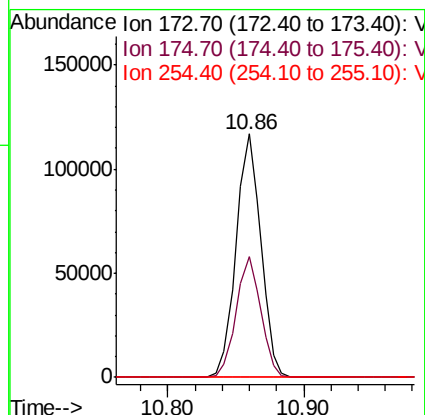
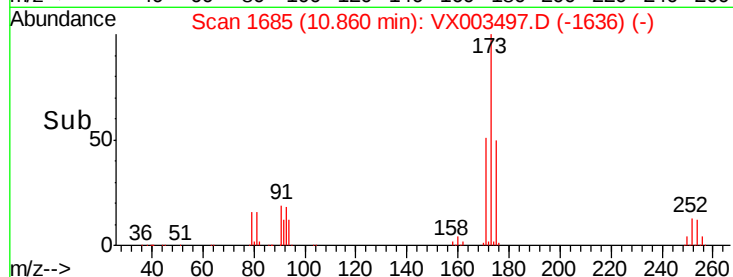
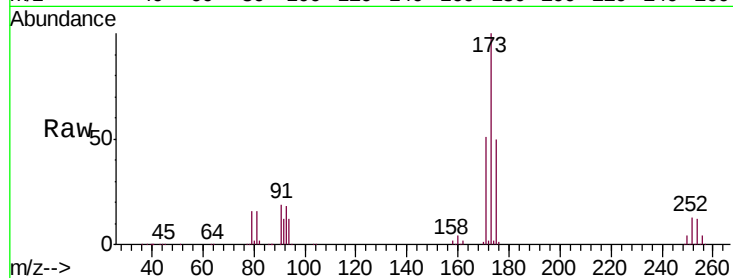
#71
Bromoform
Concen: 51.861 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VX003497.D
Acq: 20 Jul 2018 08:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.7	74.1
254	0.1	0.2	0.2

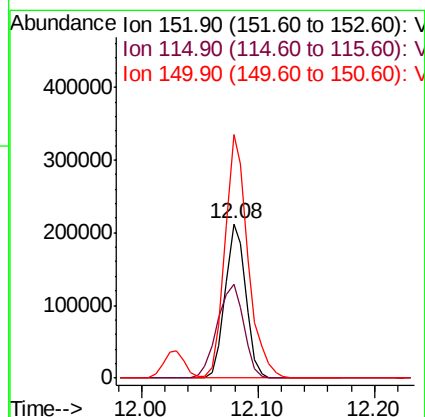
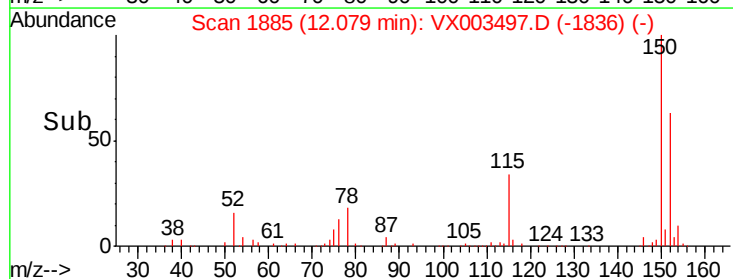
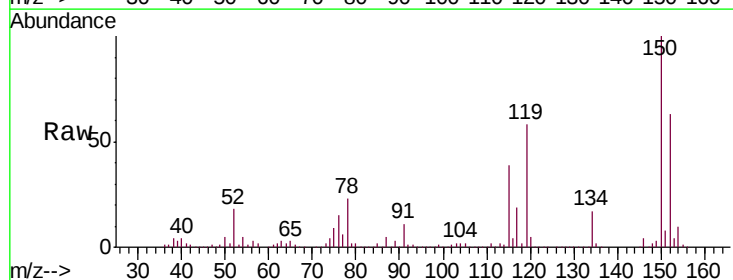
Manual Integrations
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX003497.D
Acq: 20 Jul 2018 08:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	78.4	40.1	120.2
150	175.2	0.0	347.2





#73

Isopropylbenzene

Concen: 51.348 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX003497.D

Acq: 20 Jul 2018 08:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 919138

Ion Ratio Lower Upper

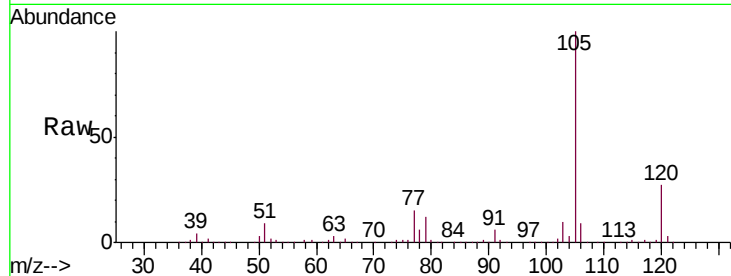
105 100

120 27.2 13.5 40.4

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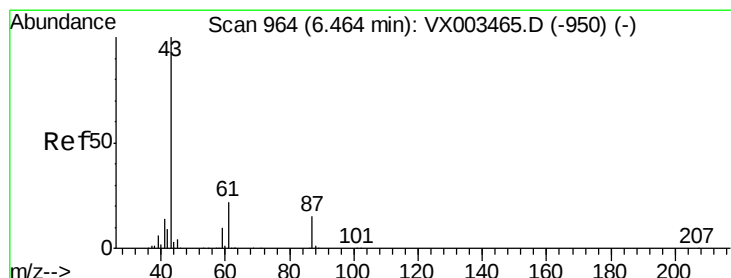
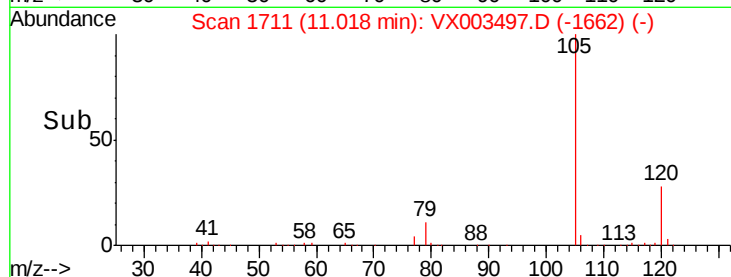
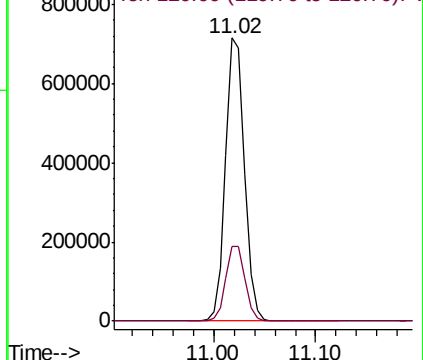
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.048 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.00 min

Lab File: VX003497.D

Acq: 20 Jul 2018 08:03

Tgt Ion: 43 Resp: 372797

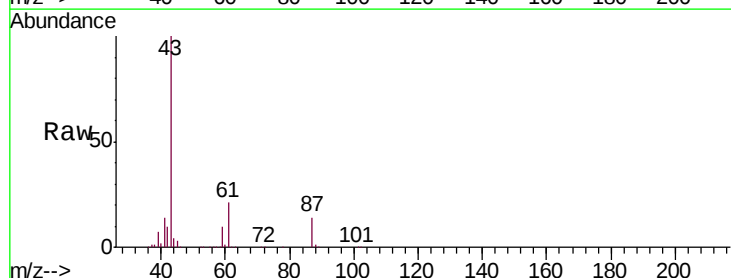
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0#

61 20.7 14.4 21.6

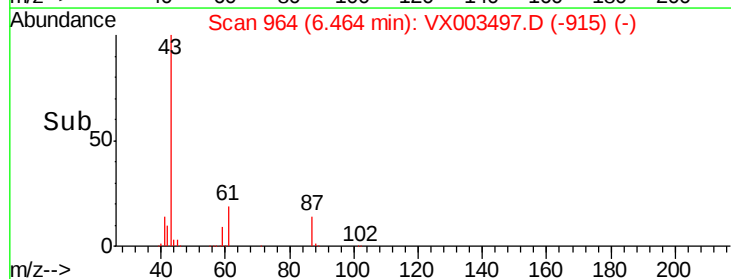
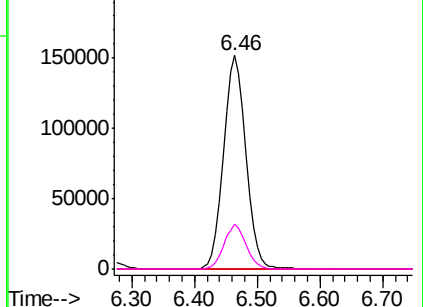


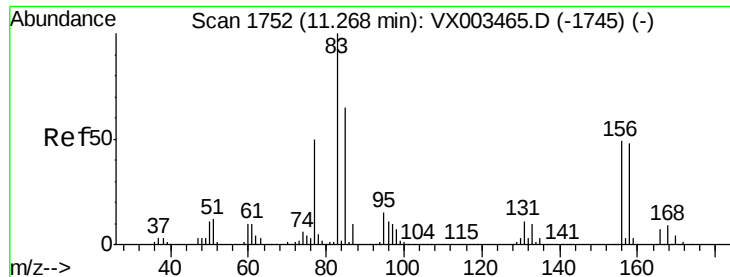
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 50.054 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX003497.D

Acq: 20 Jul 2018 08:03

Instrument :

MSVOA_X

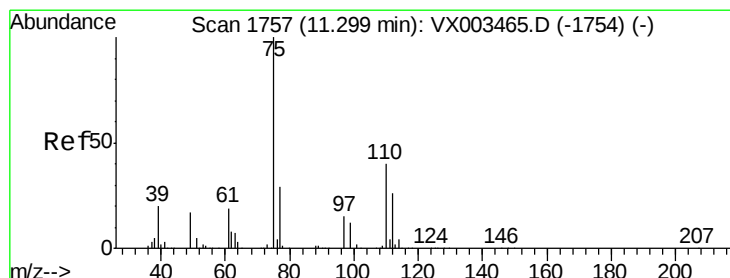
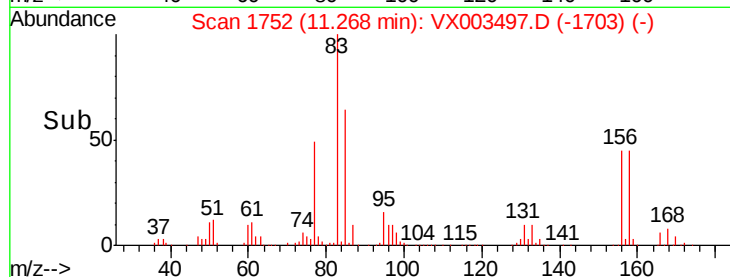
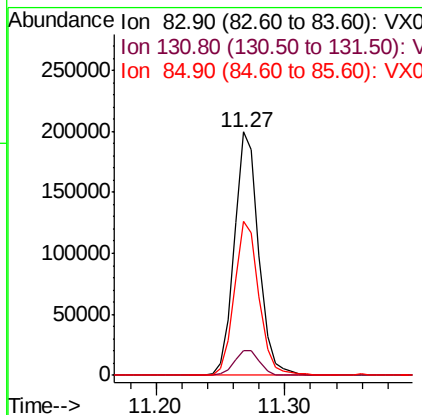
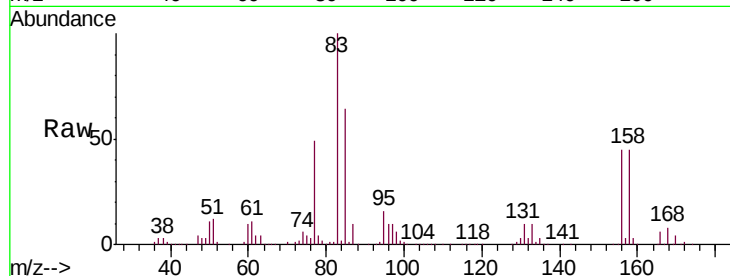
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	262559
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.6	16.8
85	64.0	32.4	97.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 50.074 ug/l m

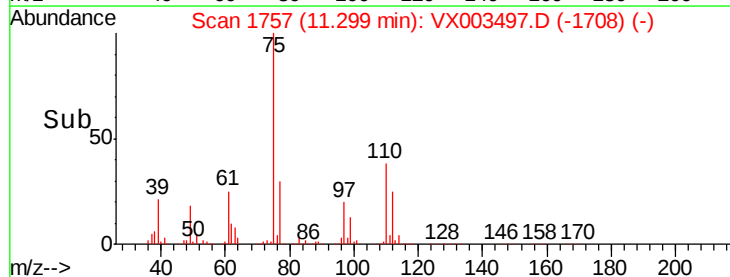
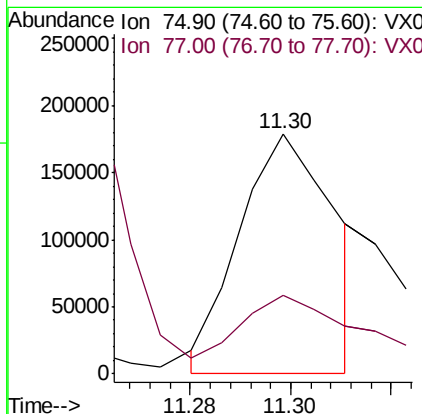
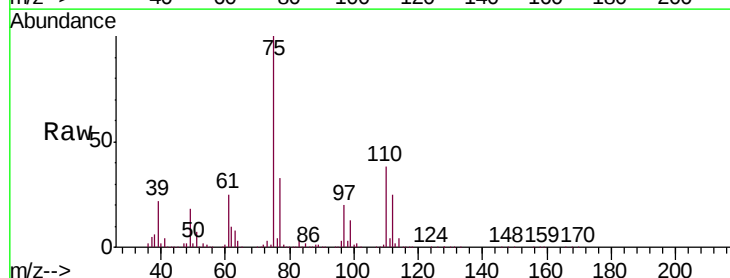
RT: 11.30 min Scan# 1757

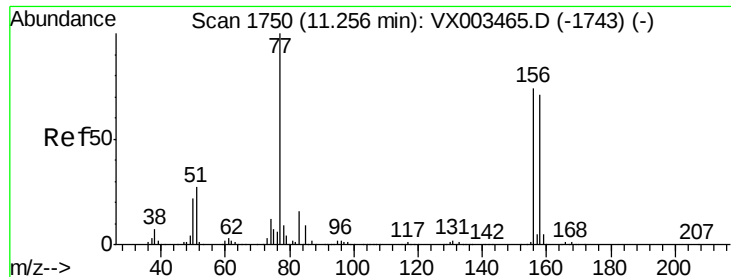
Delta R.T. -0.00 min

Lab File: VX003497.D

Acq: 20 Jul 2018 08:03

Tgt Ion:	75	Resp:	232827
Ion Ratio	Lower	Upper	
75	100		
77	43.3	22.8	68.3





#77

Bromobenzene

Concen: 48.424 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX003497.D

Acq: 20 Jul 2018 08:03

Instrument :

MSVOA_X

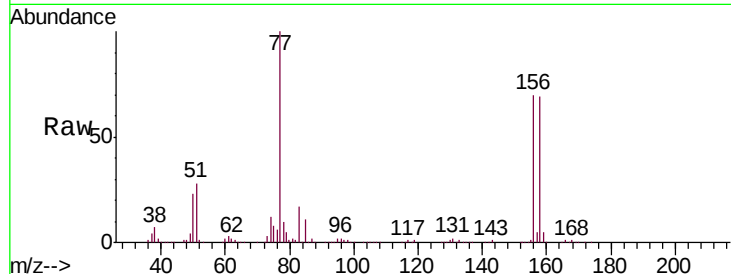
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	138.9	71.4	214.2
158	98.2	48.9	146.6

Manual Integrations
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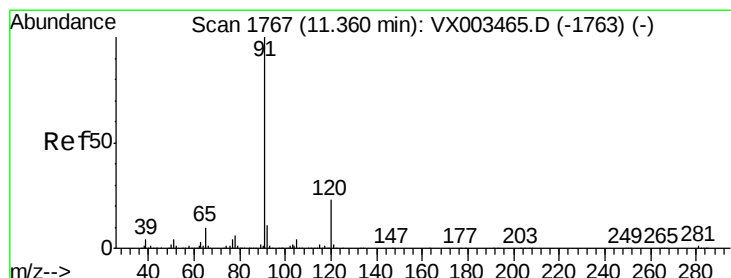
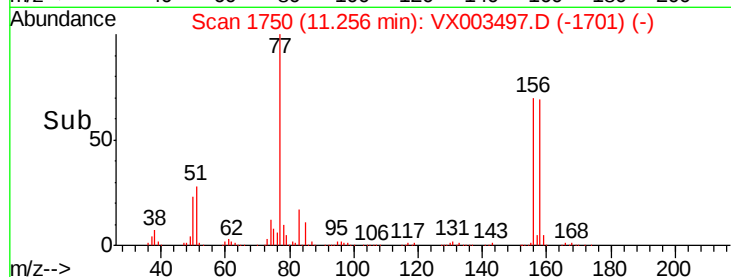
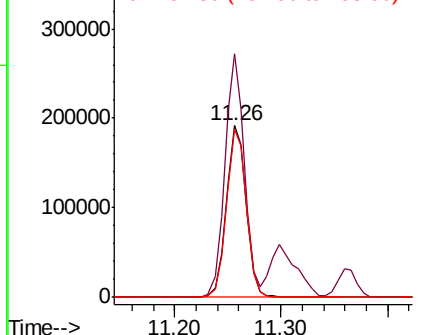
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.804 ug/l

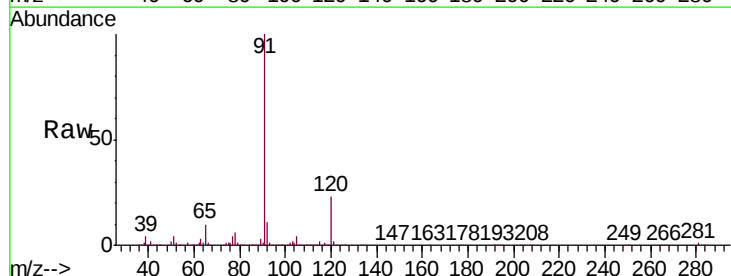
RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX003497.D

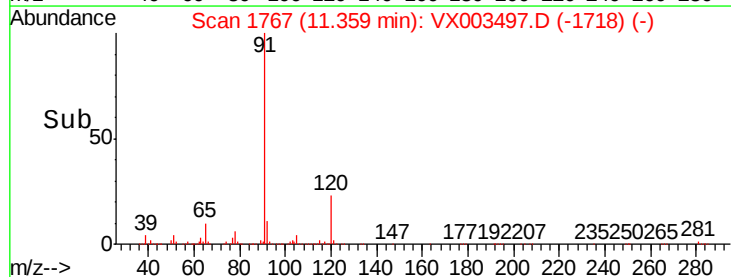
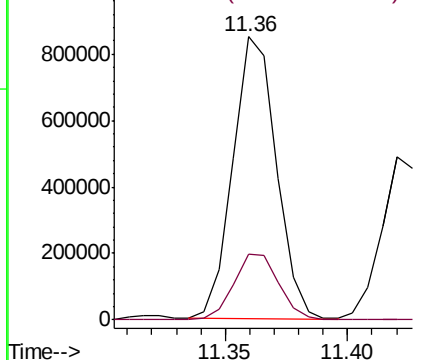
Acq: 20 Jul 2018 08:03

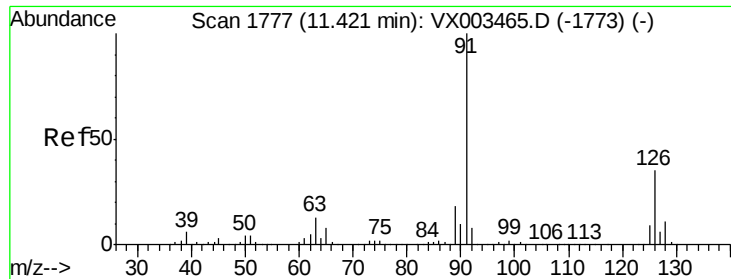
Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.3	11.8	35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.724 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.00 min

Lab File: VX003497.D

Acq: 20 Jul 2018 08:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 612706

Ion Ratio Lower Upper

91 100

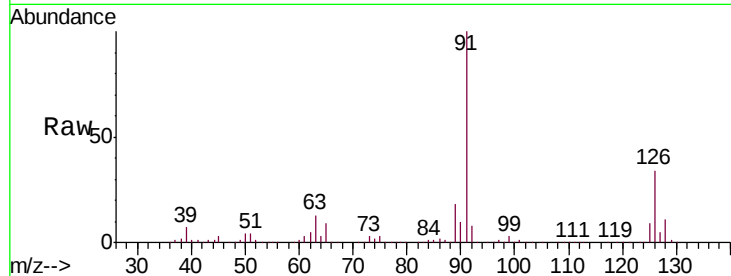
126 36.3 17.7 53.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX003465.D (-1773) (-)

Ion 125.90 (125.60 to 126.60): VX003465.D (-1773) (-)

1000000

800000

600000

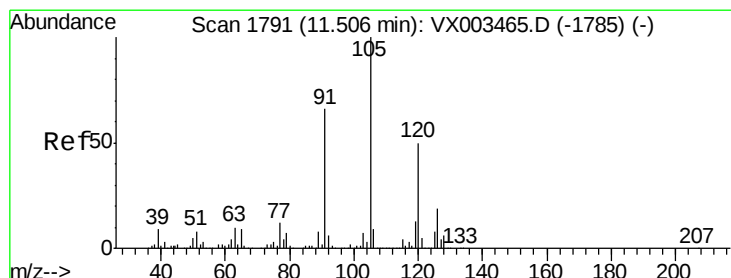
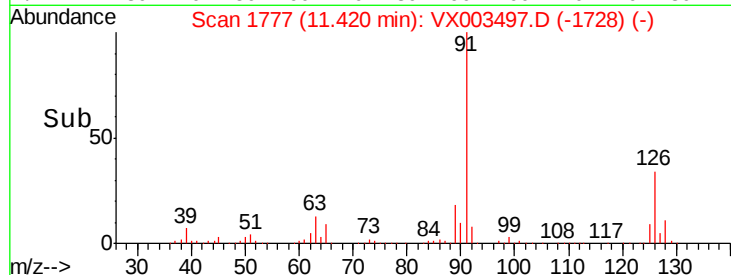
400000

200000

0

11.40 11.45 11.50

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 52.366 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX003497.D

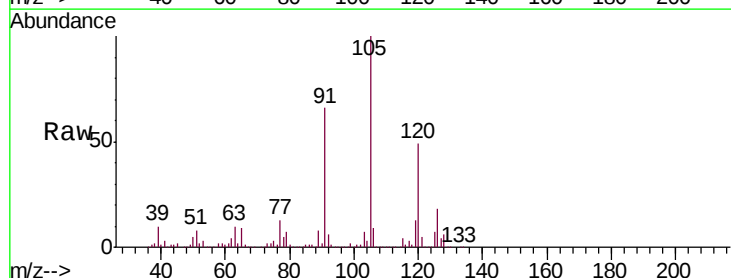
Acq: 20 Jul 2018 08:03

Tgt Ion: 105 Resp: 770352

Ion Ratio Lower Upper

105 100

120 49.7 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): VX003465.D (-1785) (-)

Ion 120.00 (119.70 to 120.70): VX003465.D (-1785) (-)

600000

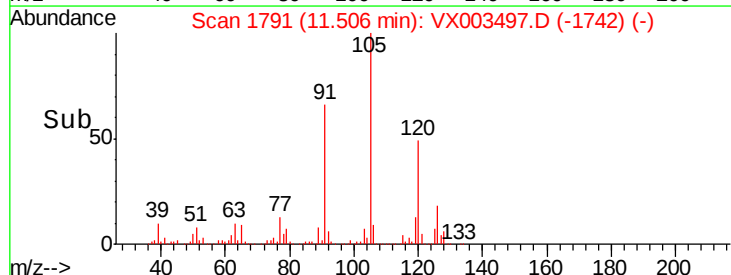
400000

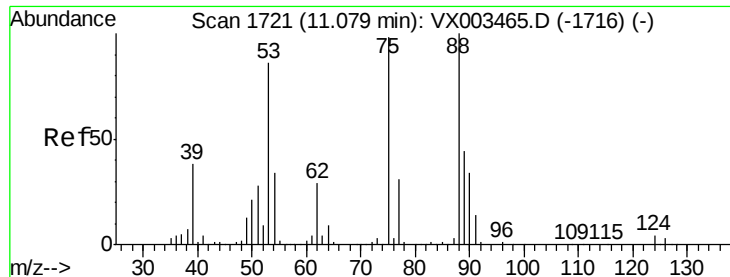
200000

0

11.50 11.60

Time-->





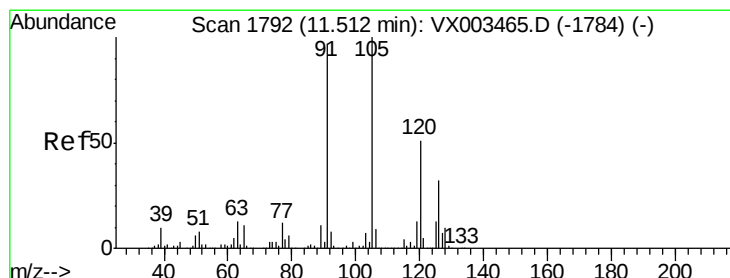
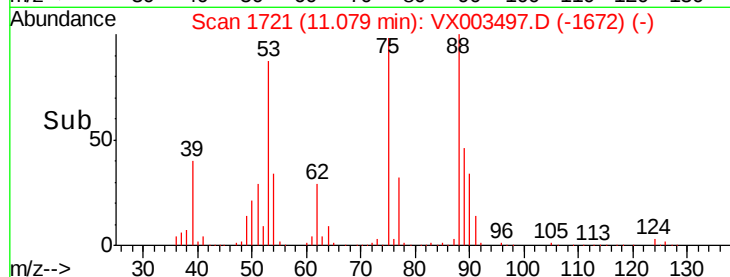
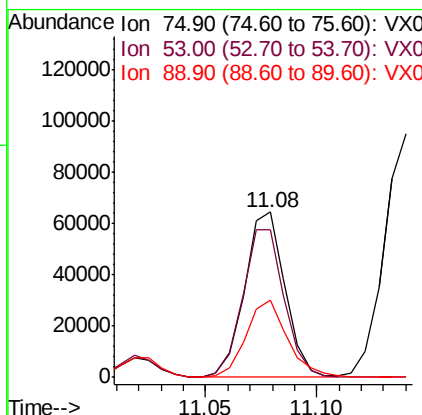
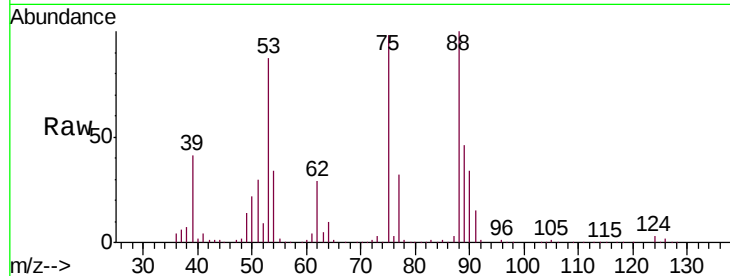
#81
trans-1,4-Dichloro-2-butene
Concen: 49.354 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX003497.D
Acq: 20 Jul 2018 08:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.9	86.8	130.2
89	48.7	38.2	57.2

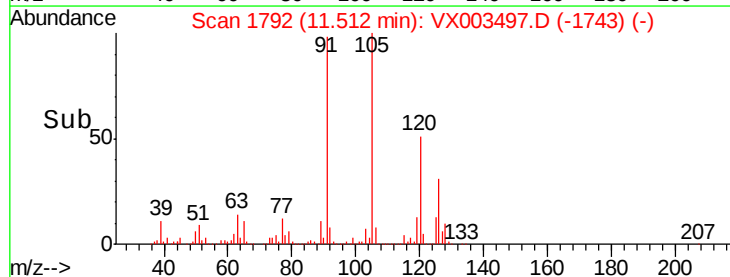
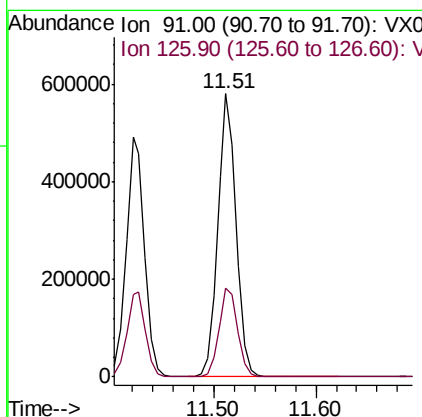
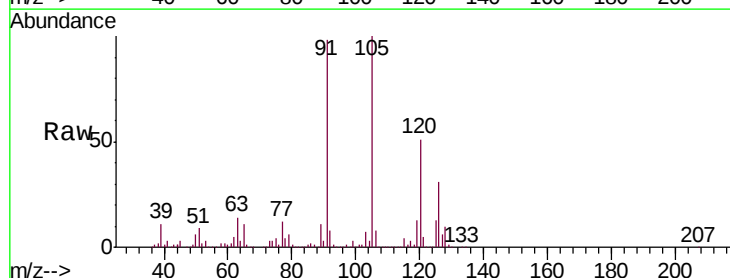
Manual Integrations
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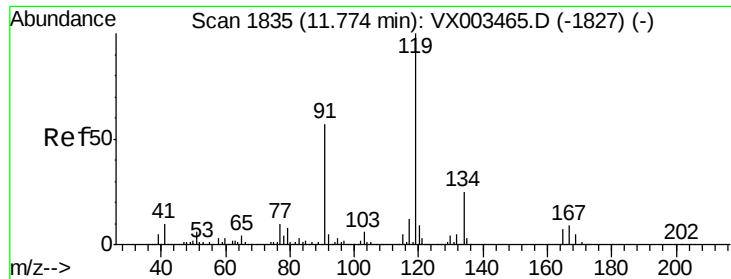
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#82
4-Chlorotoluene
Concen: 51.379 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX003497.D
Acq: 20 Jul 2018 08:03

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.0	15.4	46.4





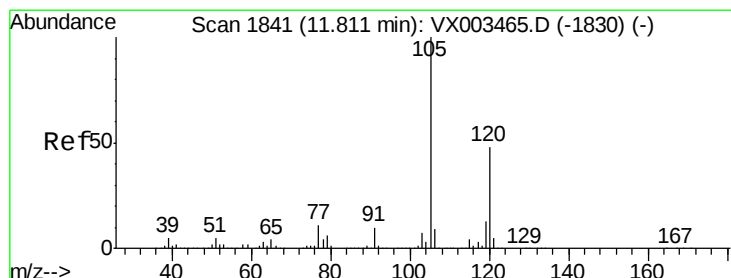
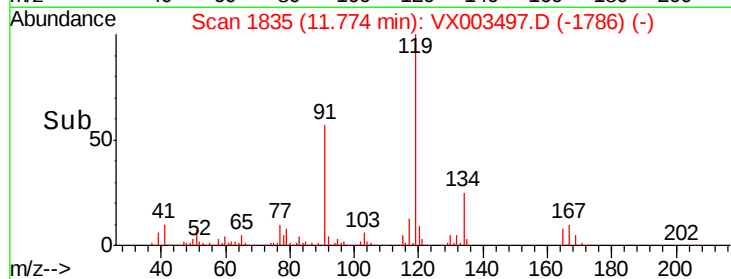
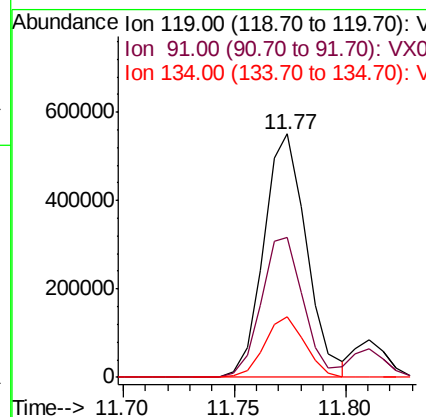
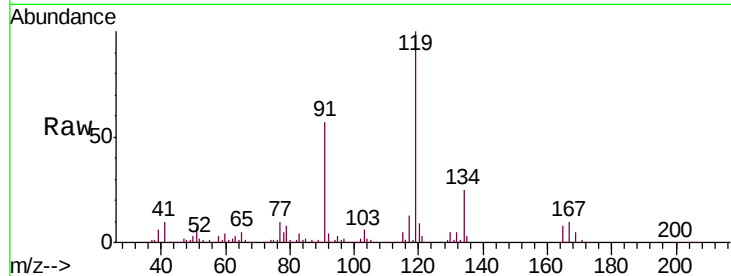
#83
 tert-Butylbenzene
 Concen: 50.924 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX003497.D
 Acq: 20 Jul 2018 08:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	733651		
91	56.1		30.3	90.9
134	23.9		11.7	35.1

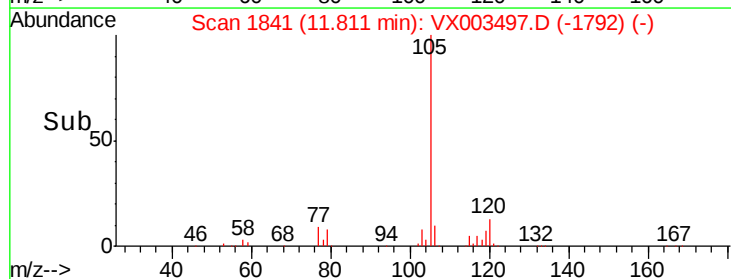
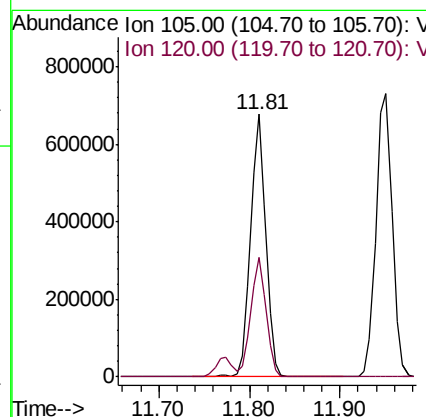
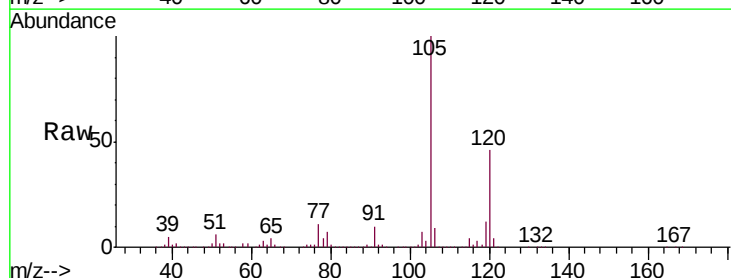
Manual Integrations
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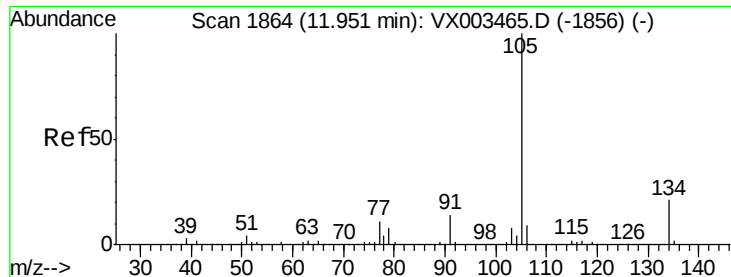
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#84
 1,2,4-Trimethylbenzene
 Concen: 52.885 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX003497.D
 Acq: 20 Jul 2018 08:03

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	791637		
120	45.6		22.3	66.8





#85

sec-Butylbenzene

Concen: 51.826 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX003497.D

Acq: 20 Jul 2018 08:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 906886

Ion Ratio Lower Upper

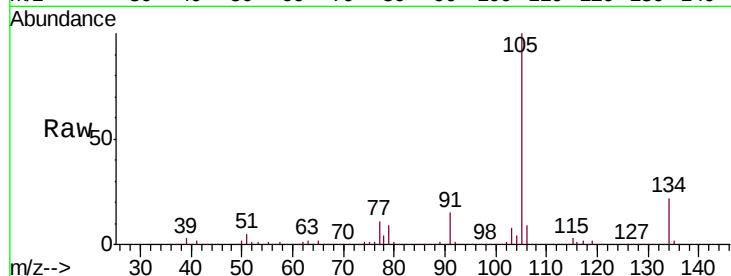
105 100

134 20.9 10.4 31.1

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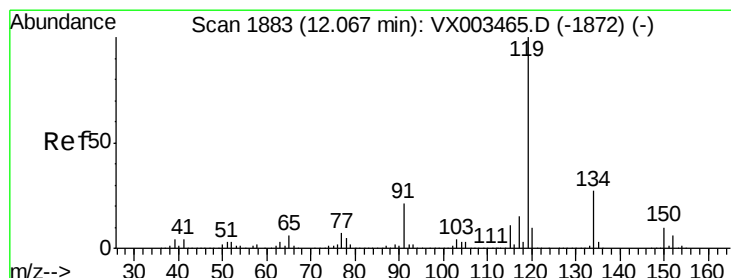
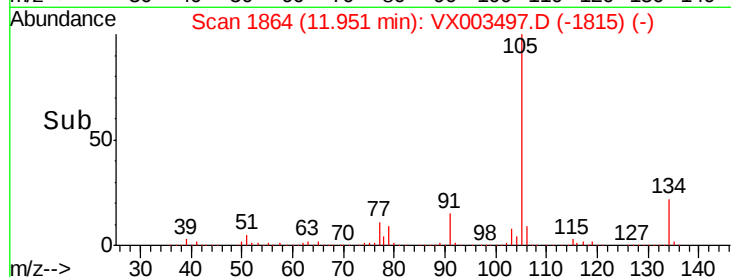
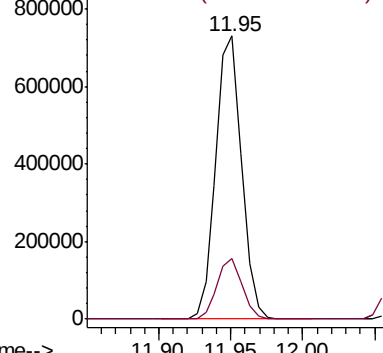
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.991 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX003497.D

Acq: 20 Jul 2018 08:03

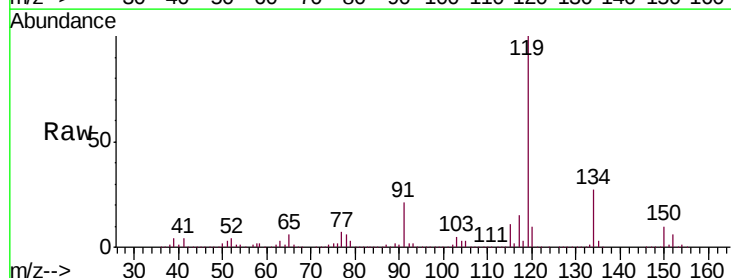
Tgt Ion:119 Resp: 832178

Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.1

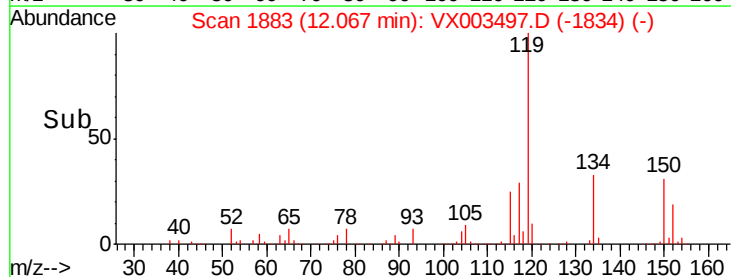
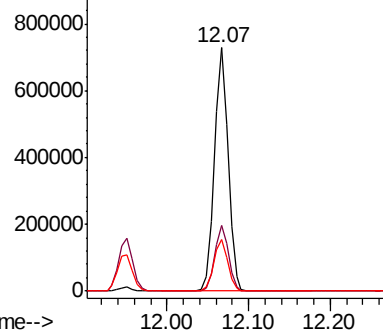
91 21.7 11.9 35.7

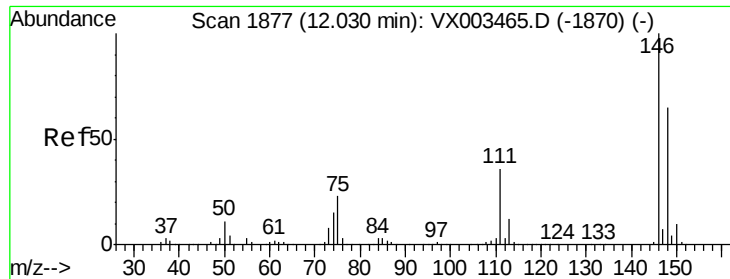


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 48.602 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX003497.D

Acq: 20 Jul 2018 08:03

Instrument :

MSVOA_X

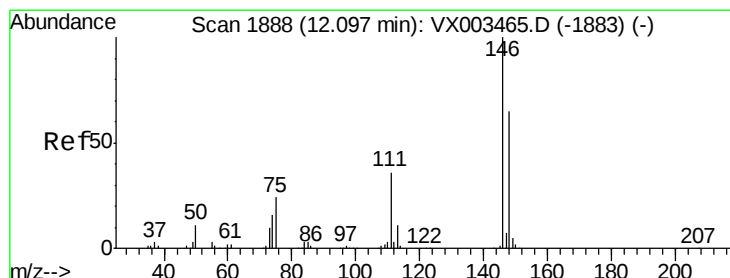
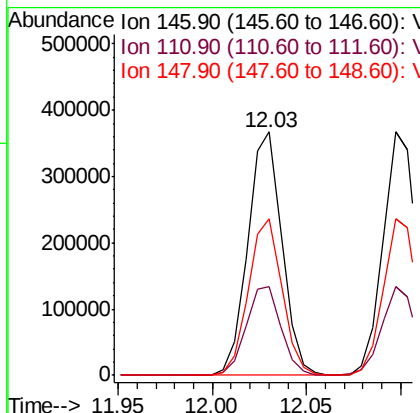
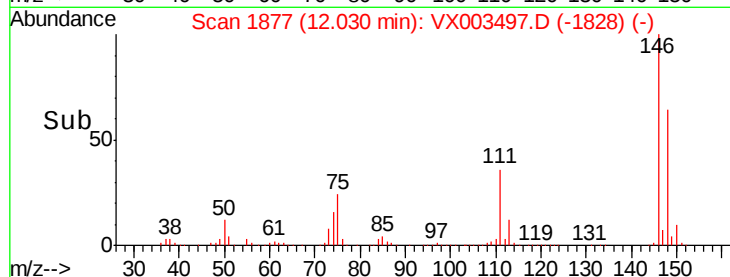
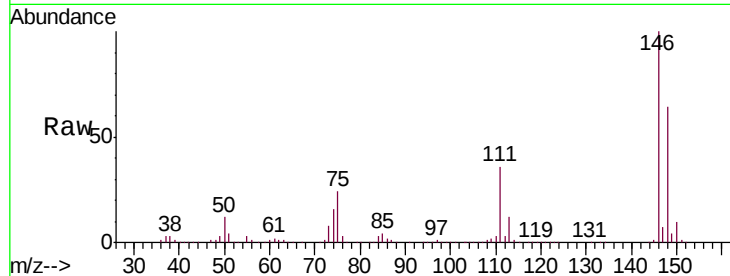
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	459958
Ion Ratio	Lower	Upper	
146	100		
111	37.2	18.9	56.7
148	63.7	32.1	96.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 47.409 ug/l

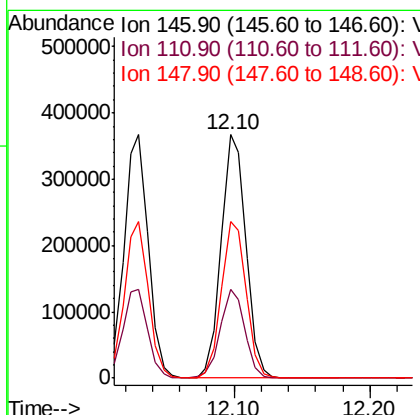
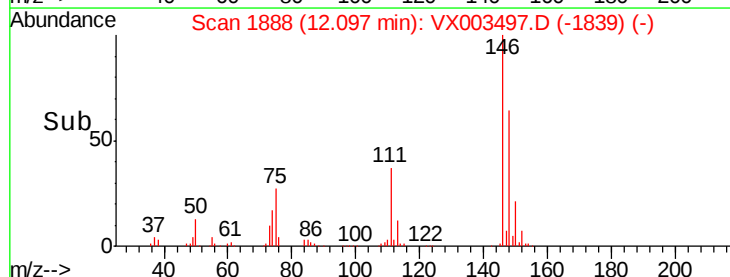
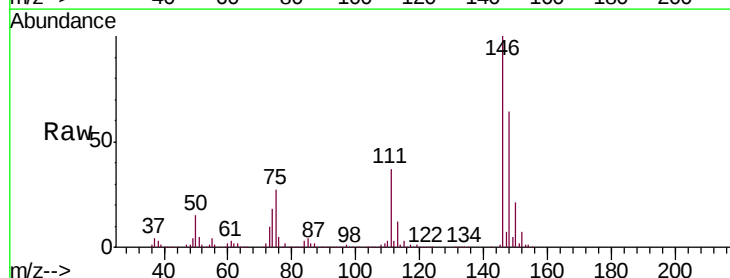
RT: 12.10 min Scan# 1888

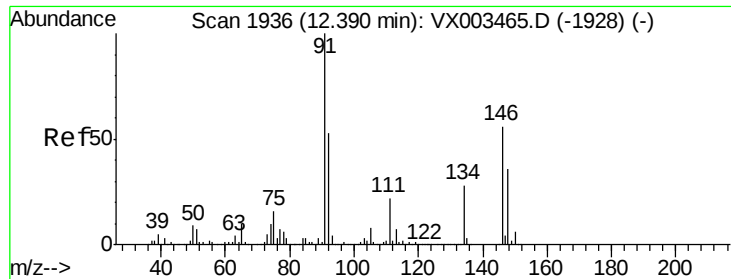
Delta R.T. -0.00 min

Lab File: VX003497.D

Acq: 20 Jul 2018 08:03

Tgt Ion:	146	Resp:	462179
Ion Ratio	Lower	Upper	
146	100		
111	36.4	18.7	56.1
148	64.7	32.4	97.0





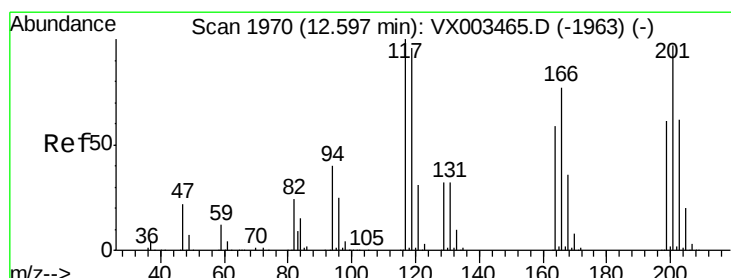
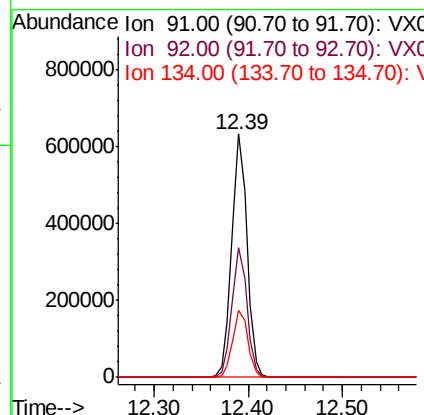
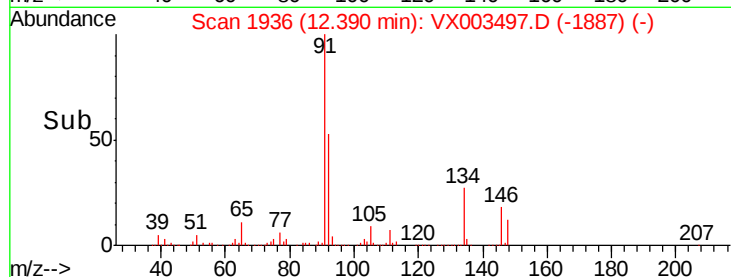
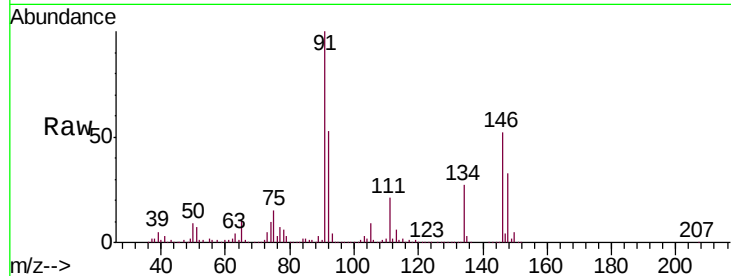
#89
n-Butylbenzene
Concen: 53.771 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX003497.D
Acq: 20 Jul 2018 08:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.0	78.0
134	27.7	13.5	40.5

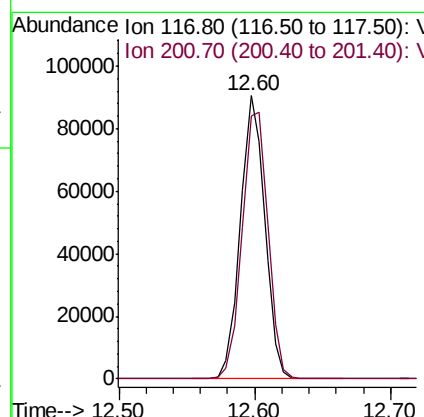
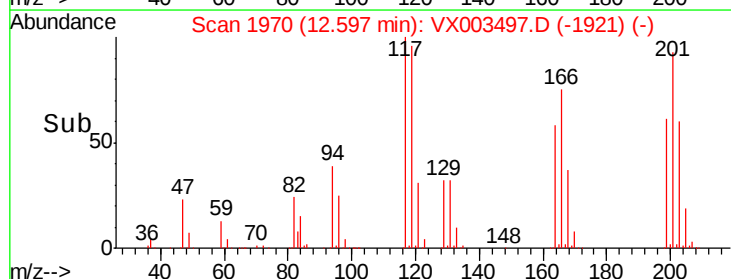
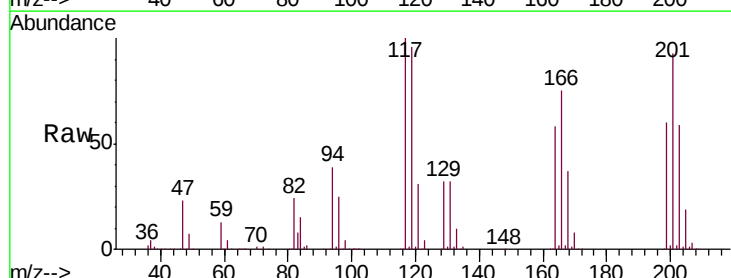
Manual Integrations
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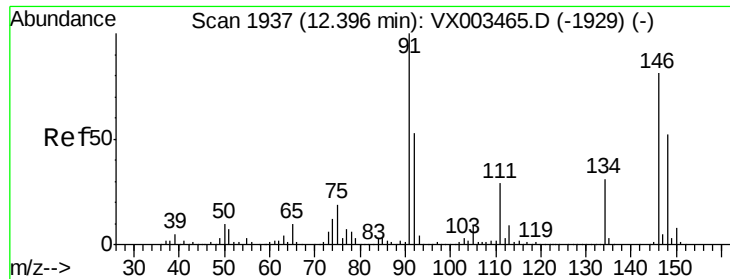
MMDadoda
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#90
Hexachloroethane
Concen: 50.770 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX003497.D
Acq: 20 Jul 2018 08:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	99.8	49.0	147.0





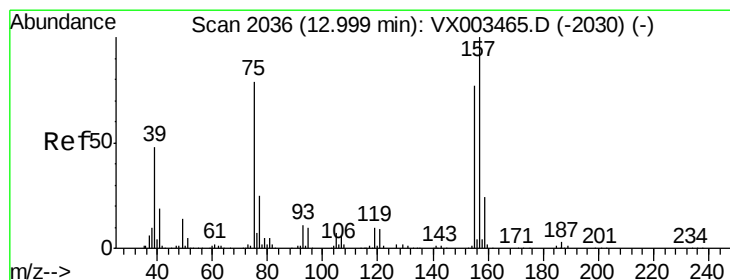
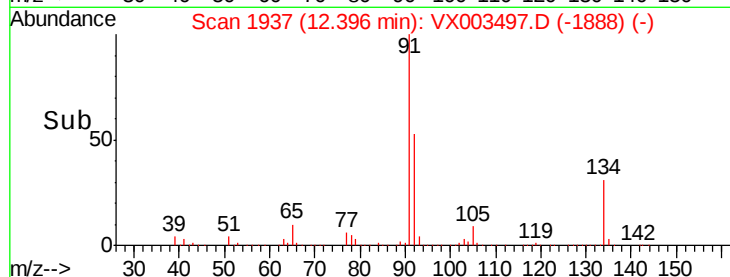
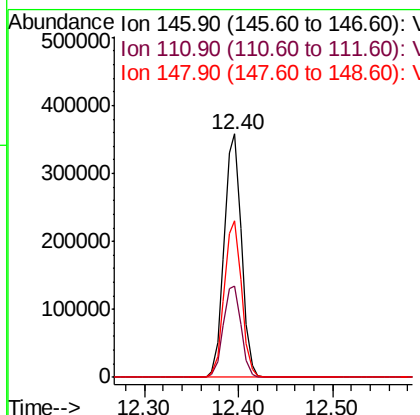
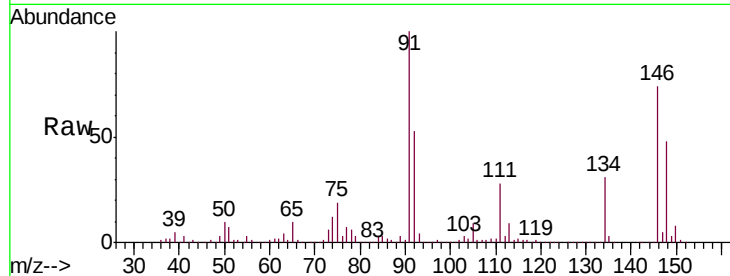
#91
 1,2-Dichlorobenzene
 Concen: 48.865 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX003497.D
 Acq: 20 Jul 2018 08:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.4	58.1
148	64.3	31.7	95.1

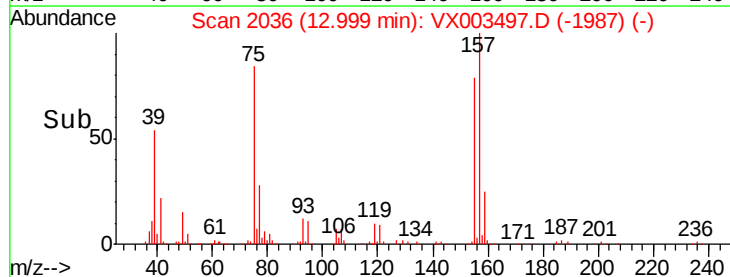
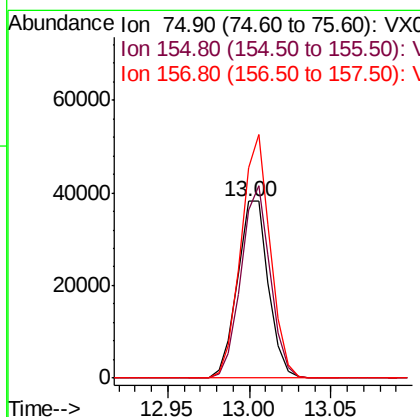
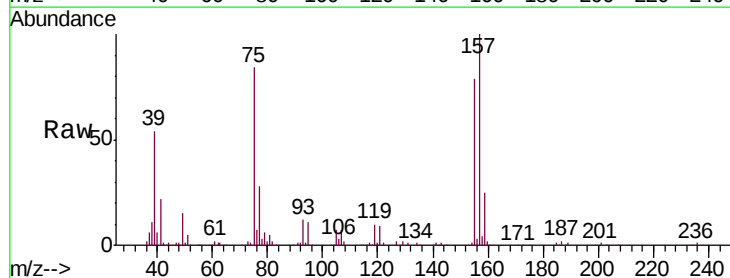
Manual Integrations
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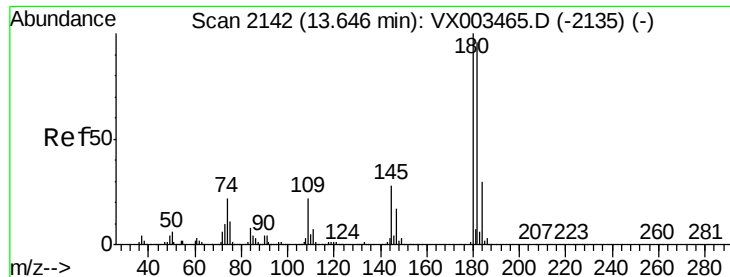
MMDadoda
 7/23/2018 12:34:26 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.486 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VX003497.D
 Acq: 20 Jul 2018 08:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.0	45.8	137.4
157	129.6	60.1	180.3





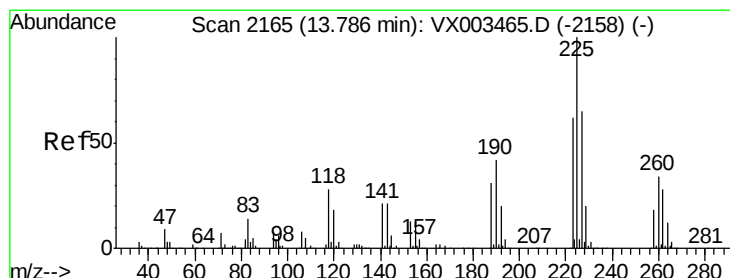
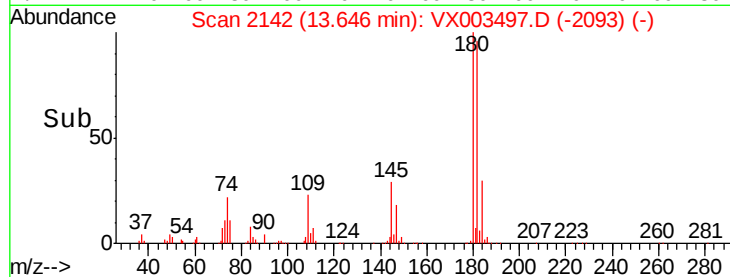
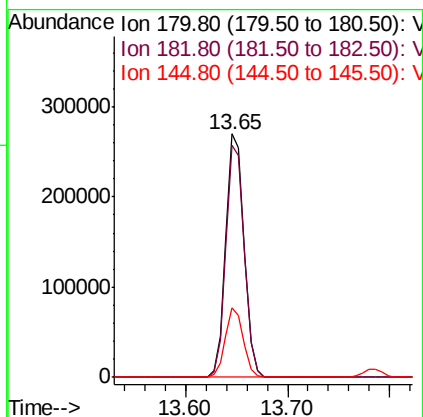
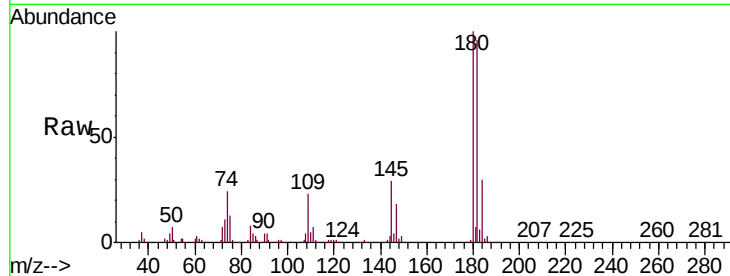
#93
 1,2,4-Trichlorobenzene
 Concen: 48.851 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX003497.D
 Acq: 20 Jul 2018 08:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.0	47.7	143.1	
145	27.9	14.1	42.4	

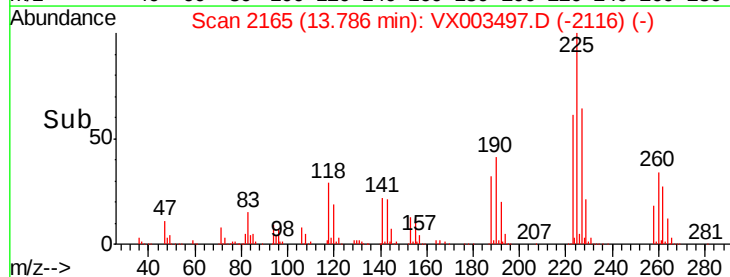
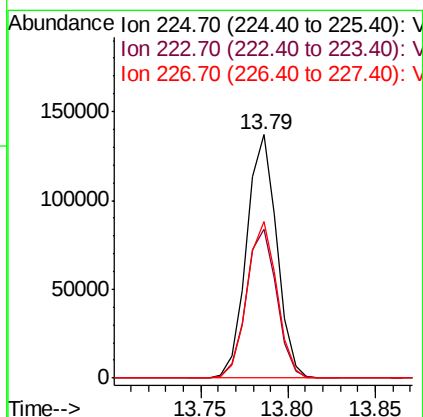
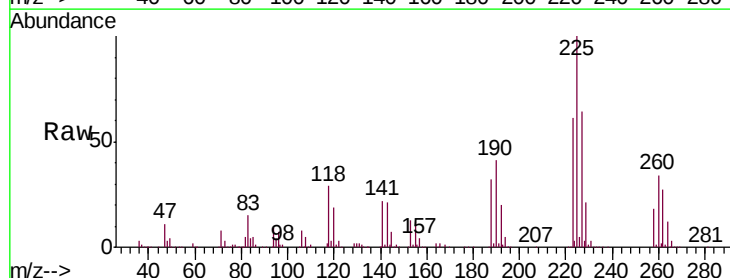
Manual Integrations
 APPROVED

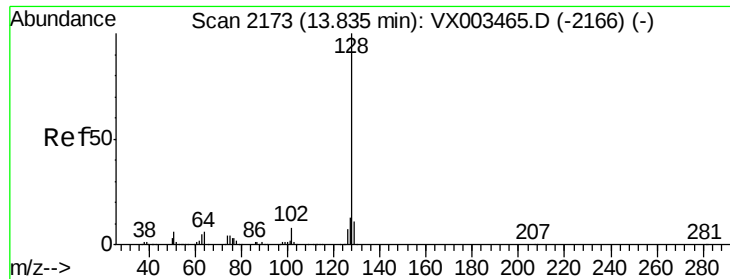
MMDadoda
 7/23/2018 12:34:26 PM



#94
 Hexachlorobutadiene
 Concen: 49.811 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX003497.D
 Acq: 20 Jul 2018 08:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.9	31.6	95.0	
227	63.6	32.4	97.2	





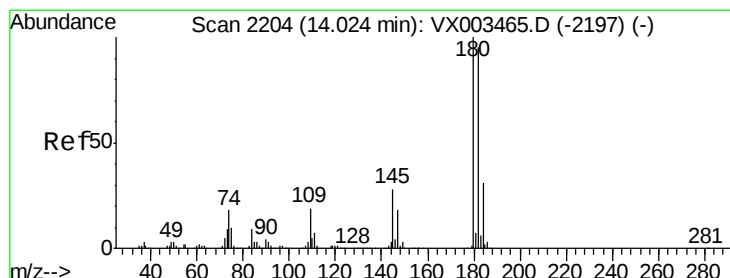
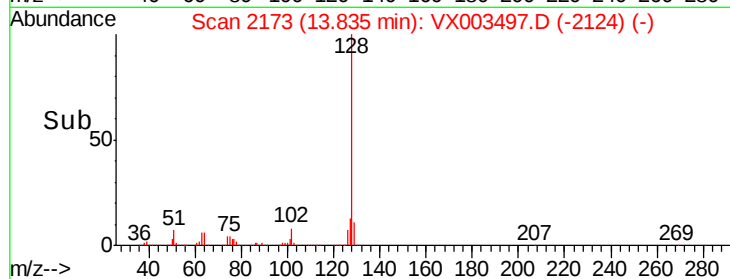
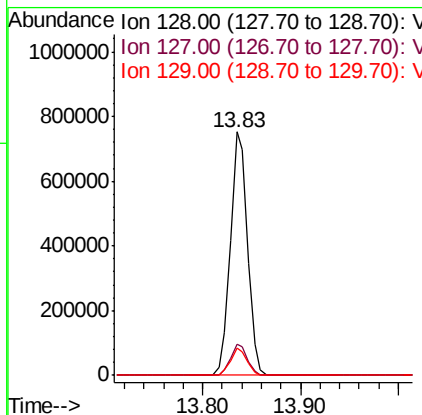
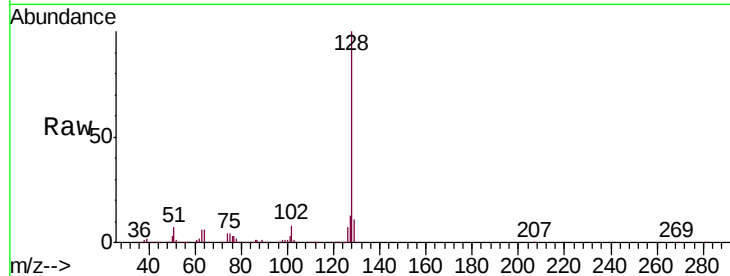
#95
Naphthalene
Concen: 50.842 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. -0.00 min
Lab File: VX003497.D
Acq: 20 Jul 2018 08:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
7/23/2018 12:34:26 PM



#96
1,2,3-Trichlorobenzene
Concen: 49.732 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX003497.D
Acq: 20 Jul 2018 08:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	48.0	144.0
145	29.7	14.8	44.3

