

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX092818\
 Data File : VX004856.D
 Acq On : 29 Sep 2018 07:38
 Operator : JC/MD
 Sample : J5134-08MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW505-0913MSD

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

Quant Time: Oct 01 01:31:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 26 14:17:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	230376	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	337069	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	318773	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	193389	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	174842	53.13	ug/l	0.00
Spiked Amount			Recovery	=	106.26%	
35) Dibromofluoromethane	5.50	113	143073	50.08	ug/l	0.00
Spiked Amount			Recovery	=	100.16%	
50) Toluene-d8	8.72	98	523999	55.17	ug/l	0.00
Spiked Amount			Recovery	=	110.34%	
62) 4-Bromofluorobenzene	11.14	95	191953	56.10	ug/l	0.00
Spiked Amount			Recovery	=	112.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	185279	58.985	ug/l	98
3) Chloromethane	1.32	50	197620	51.856	ug/l	99
4) Vinyl Chloride	1.41	62	207370	58.017	ug/l	91
5) Bromomethane	1.64	94	100553	47.442	ug/l	97
6) Chloroethane	1.72	64	116712	60.401	ug/l	98
7) Trichlorofluoromethane	1.93	101	251314	56.795	ug/l	88
8) Diethyl Ether	2.19	74	101947	53.034	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.38	101	135799	53.877	ug/l	96
10) Methyl Iodide	2.51	142	138025	40.922	ug/l	98
11) Tert butyl alcohol	3.07	59	249038	270.643	ug/l	99
12) 1,1-Dichloroethene	2.37	96	138349	55.424	ug/l	99
13) Acrolein	2.29	56	115536	176.472	ug/l	94
14) Allyl chloride	2.73	41	289680	53.187	ug/l	93
15) Acrylonitrile	3.15	53	545301	269.198	ug/l	98
16) Acetone	2.45	43	473325	246.356	ug/l	96
17) Carbon Disulfide	2.57	76	385493	51.394	ug/l	97
18) Methyl Acetate	2.78	43	236967	48.680	ug/l	93
19) Methyl tert-butyl Ether	3.20	73	480267	55.778	ug/l	95
20) Methylene Chloride	2.85	84	151311	54.237	ug/l	93
21) trans-1,2-Dichloroethene	3.17	96	140413	51.385	ug/l	96
22) Diisopropyl ether	3.87	45	516753	56.344	ug/l	91
23) Vinyl Acetate	3.82	43	2107829	251.077	ug/l #	91
24) 1,1-Dichloroethane	3.70	63	282861	51.703	ug/l	99
25) 2-Butanone	4.70	43	703979	248.575	ug/l	93
26) 2,2-Dichloropropane	4.59	77	136358	35.793	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	157111	51.468	ug/l	99
28) Bromochloromethane	5.02	49	133836	51.949	ug/l	93
29) Tetrahydrofuran	5.16	42	478534	271.859	ug/l	93
30) Chloroform	5.23	83	277607	53.690	ug/l #	83
31) Cyclohexane	5.57	56	243393	58.127	ug/l	89
32) 1,1,1-Trichloroethane	5.49	97	238652	56.517	ug/l	97
36) 1,1-Dichloropropene	5.79	75	202431	51.937	ug/l	98
37) Ethyl Acetate	4.85	43	244688	47.295	ug/l	96
38) Carbon Tetrachloride	5.79	117	200229	48.871	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	219962	55.268	ug/l	95
40) Benzene	6.15	78	628175	51.481	ug/l	95
41) Methacrylonitrile	5.06	41	153859	53.624	ug/l	94
42) 1,2-Dichloroethane	6.20	62	212607	49.288	ug/l	98
43) Isopropyl Acetate	6.46	43	358591	48.021	ug/l	97
44) Trichloroethene	7.21	130	152923	50.980	ug/l	95
45) 1,2-Dichloropropane	7.52	63	158782	53.062	ug/l	98
46) Dibromomethane	7.66	93	99615	52.970	ug/l	98
47) Bromodichloromethane	7.90	83	193355	54.916	ug/l	97
48) Methyl methacrylate	7.77	41	198541	58.578	ug/l	94
49) 1,4-Dioxane	7.75	88	90153	1070.639	ug/l	94
51) 4-Methyl-2-Pentanone	8.65	43	1335833	284.109	ug/l	95
52) Toluene	8.79	92	362196	54.020	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	202205	50.820	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	214788	51.539	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	149206	50.803	ug/l	96
56) Ethyl methacrylate	9.18	69	233834	49.117	ug/l	93
57) 1,3-Dichloropropane	9.37	76	254553	52.076	ug/l	100
59) 2-Hexanone	9.50	43	1059062	270.298	ug/l	93
60) Dibromochloromethane	9.59	129	156046	53.127	ug/l	100
61) 1,2-Dibromoethane	9.67	107	155407	49.408	ug/l	99
64) Tetrachloroethene	9.34	164	144783	46.147	ug/l	98
65) Chlorobenzene	10.14	112	403507	49.363	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.22	131	147740	51.411	ug/l	99
67) Ethyl Benzene	10.26	91	689083	53.098	ug/l	98
68) m/p-Xylenes	10.36	106	536165	105.726	ug/l	94
69) o-Xylene	10.70	106	256671	55.104	ug/l	96
70) Stvrene	10.71	104	434493	49.880	ug/l	97
71) Bromoform	10.86	173	126730	51.511	ug/l #	99
73) Isopropylbenzene	11.02	105	690704	56.664	ug/l	99
74) N-amyl acetate	10.90	43	292890	43.935	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.27	83	247445	49.868	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	225431m	52.008	ug/l	
77) Bromobenzene	11.26	156	186770	52.752	ug/l	98
78) n-propylbenzene	11.36	91	789782	56.469	ug/l	99
79) 2-Chlorotoluene	11.42	91	472700	54.223	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	584828	52.356	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	61570	39.189	ug/l	99
82) 4-Chlorotoluene	11.51	91	562747	54.842	ug/l	100
83) tert-Butylbenzene	11.77	119	581485	57.940	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	610890	53.033	ug/l	97
85) sec-Butylbenzene	11.94	105	687595	56.248	ug/l	98
86) p-Isopropyltoluene	12.07	119	613686	55.411	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	339412	51.339	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	343521	50.335	ug/l	99
89) n-Butylbenzene	12.39	91	542376	53.923	ug/l	97
90) Hexachloroethane	12.60	117	99060	53.720	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	342798	49.616	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	55665	51.093	ug/l	97
93) 1,2,4-Trichlorobenzene	13.65	180	250955	51.780	ug/l	99

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Quant Title : SW846 8260
QLast Update : Wed Sep 26 14:17:02 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	115260	45.862	ug/l	96
95) Naphthalene	13.83	128	818983	50.899	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	262979	52.527	ug/l	98

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

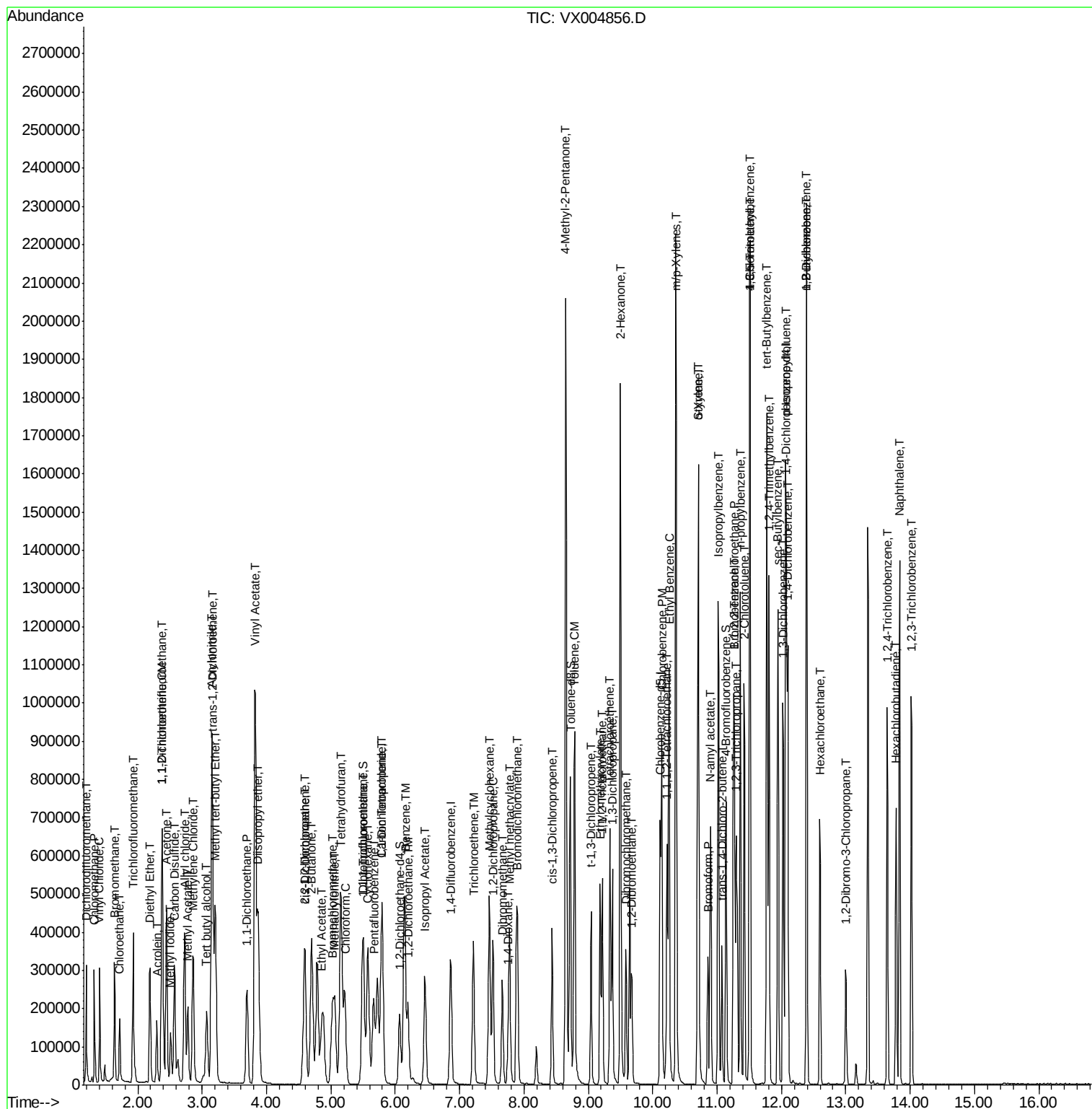
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Acq On : 29 Sep 2018 07:38
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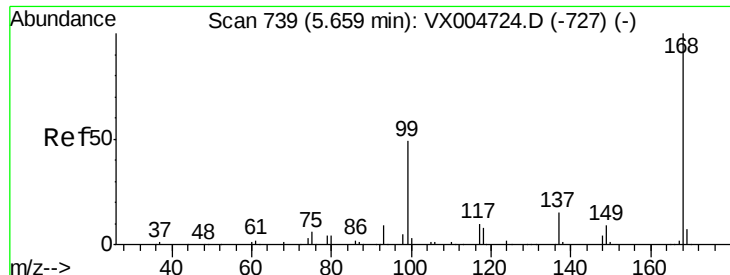
Instrument :
MSVOA_X
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Quant Title : SW846 8260
QLast Update : Wed Sep 26 14:17:02 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX004856.D

Acq: 29 Sep 2018 07:38

Instrument :

MSVOA_X

ClientSampleId :

SA-TW505-0913MSD

Tot Ion:168 Resp: 230376

Ion Ratio Lower Upper

168 100

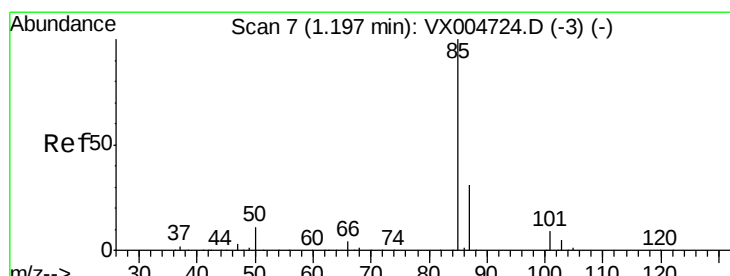
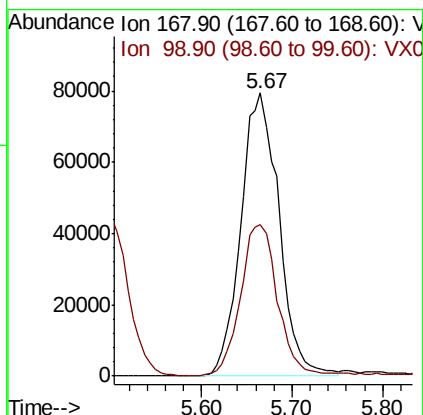
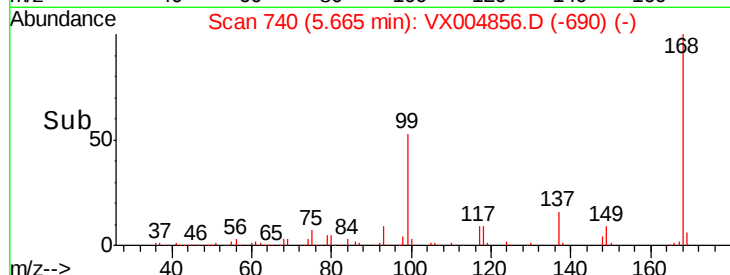
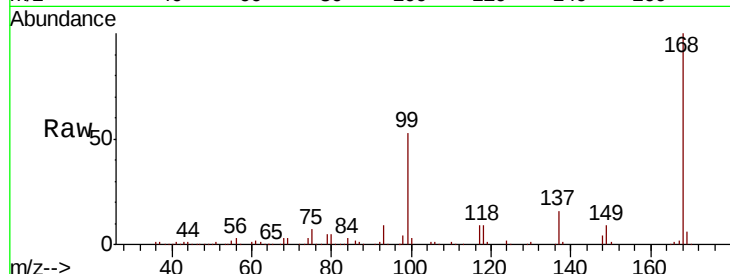
99 53.2 39.9 59.9

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 58.985 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX004856.D

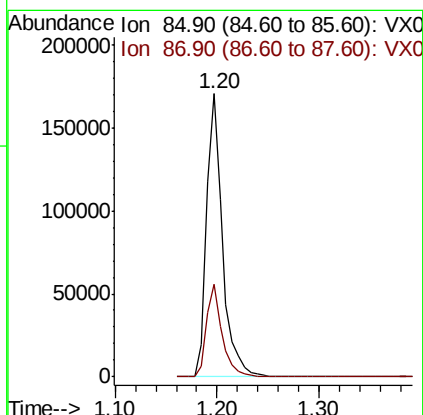
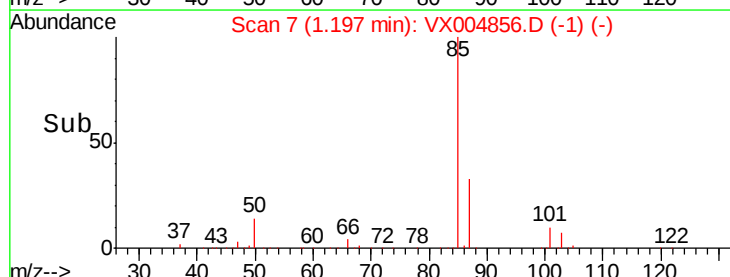
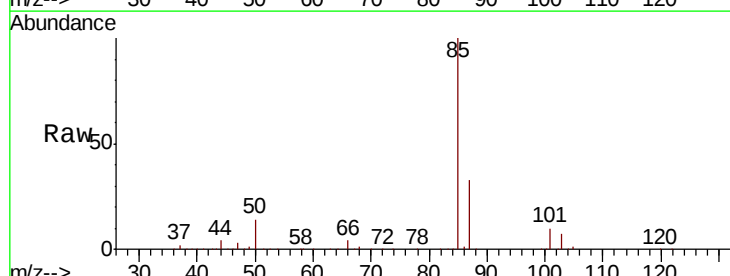
Acq: 29 Sep 2018 07:38

Tgt Ion: 85 Resp: 185279

Ion Ratio Lower Upper

85 100

87 32.7 17.0 50.9





#3

Chloromethane

Concen: 51.856 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX004856.D

Acq: 29 Sep 2018 07:38

Instrument :

MSVOA_X

ClientSampleId :

SA-TW505-0913MSD

Tot Ion: 50 Resp: 197620

Ion Ratio Lower Upper

50 100

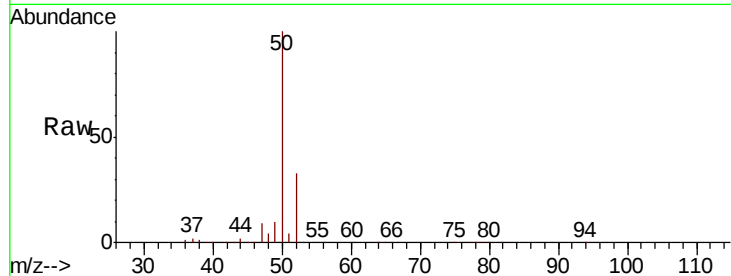
52 33.1 26.2 39.2

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

200000

150000

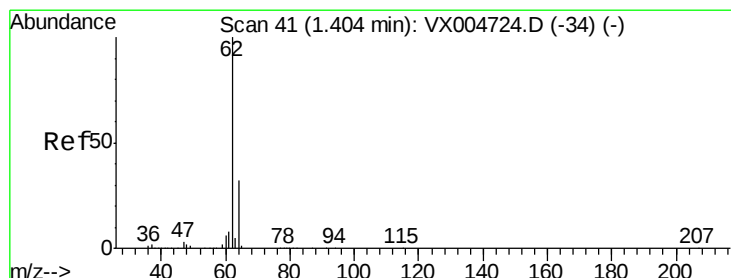
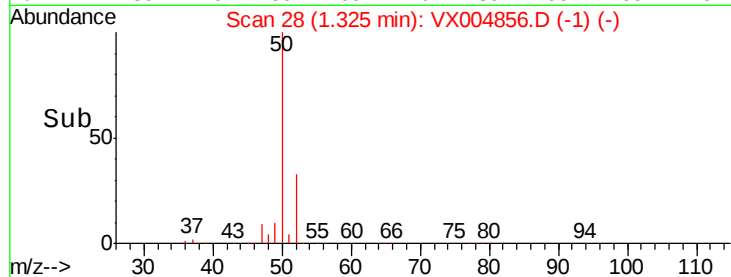
100000

50000

0

1.30 1.35 1.40

Time-->



#4

Vinyl Chloride

Concen: 58.017 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX004856.D

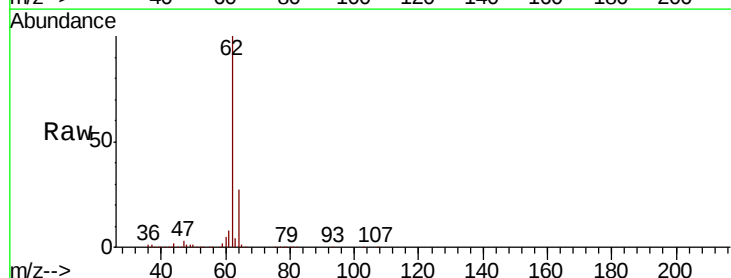
Acq: 29 Sep 2018 07:38

Tgt Ion: 62 Resp: 207370

Ion Ratio Lower Upper

62 100

64 27.0 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

200000

150000

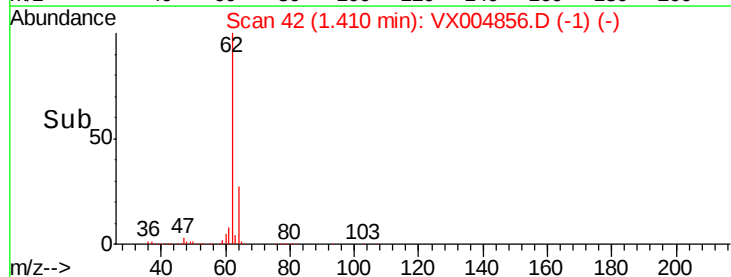
100000

50000

0

1.30 1.40 1.50

Time-->





#5

Bromomethane

Concen: 47.442 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004856.D

Acq: 29 Sep 2018 07:38

Instrument :

MSVOA_X

ClientSampleId :

SA-TW505-0913MSD

Tot Ion: 94 Resp: 100553

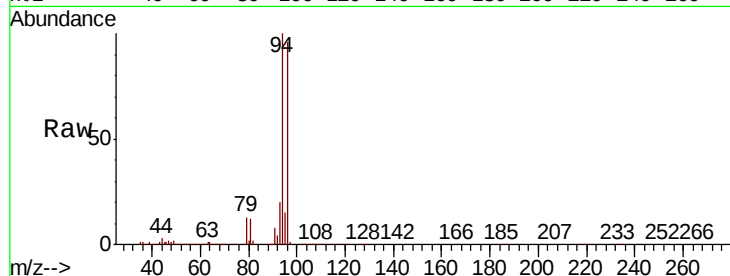
Ion Ratio Lower Upper

94 100

96 95.8 74.5 111.7

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

120000

100000

80000

60000

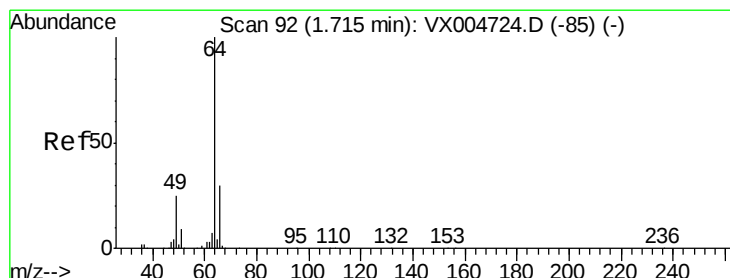
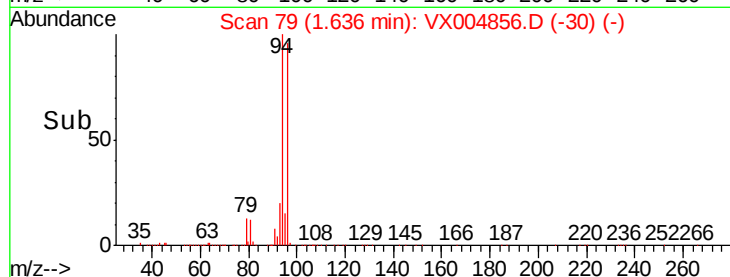
40000

20000

0

1.55 1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 60.401 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX004856.D

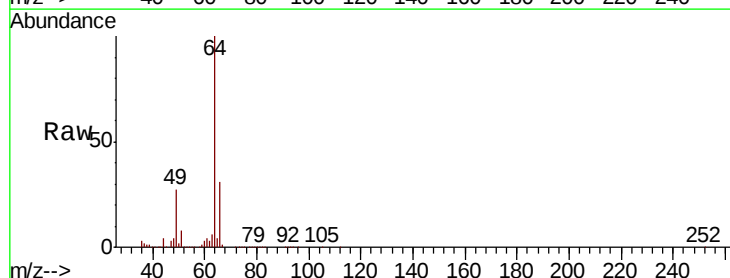
Acq: 29 Sep 2018 07:38

Tgt Ion: 64 Resp: 116712

Ion Ratio Lower Upper

64 100

66 31.7 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

80000

60000

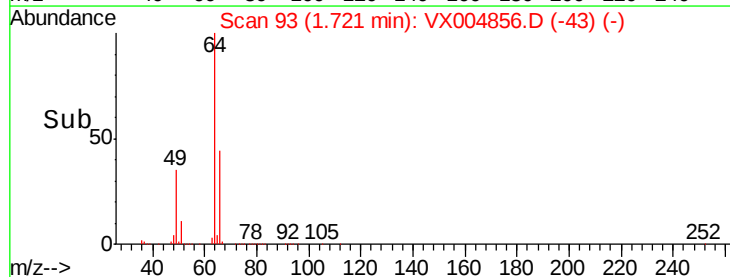
40000

20000

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1.65 1.70 1.75 1.80

Time-->





#7

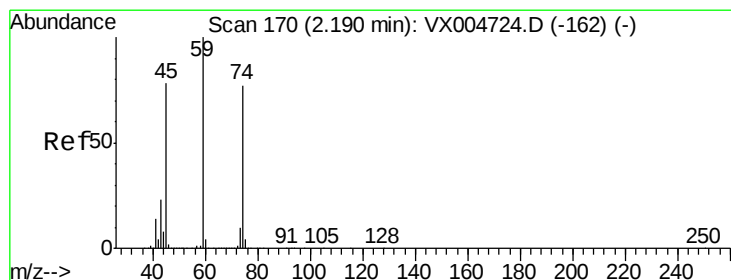
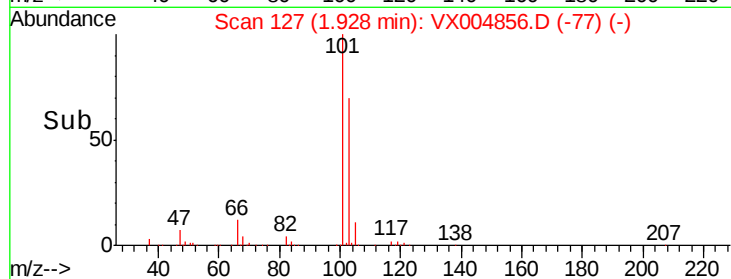
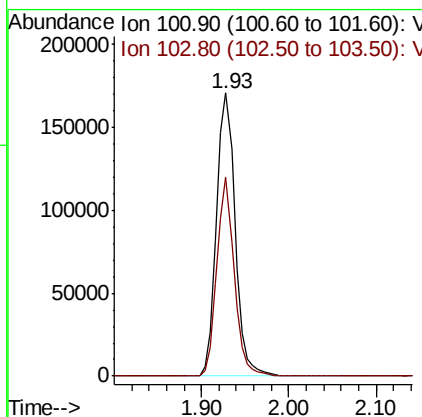
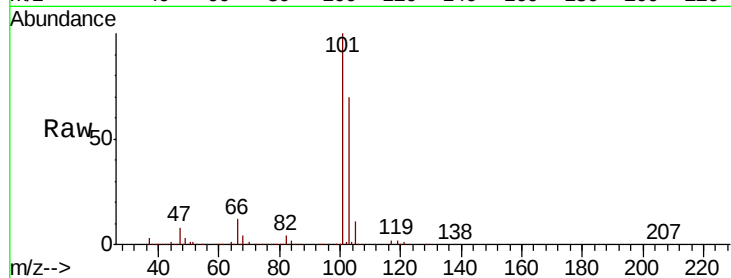
Trichlorofluoromethane
Concen: 56.795 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX004856.D
Acq: 29 Sep 2018 07:38

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SA-TW505-0913MSD

Tot Ion	Ratio	Lower	Upper
101	100		
103	70.2	48.9	73.3

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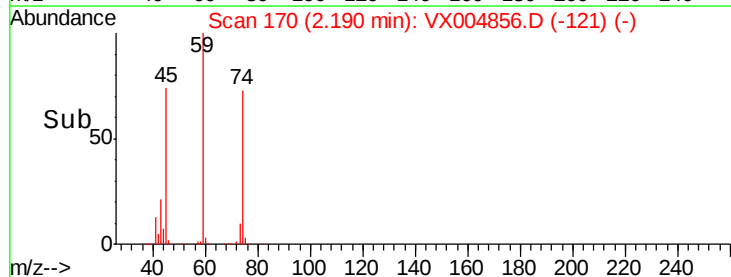
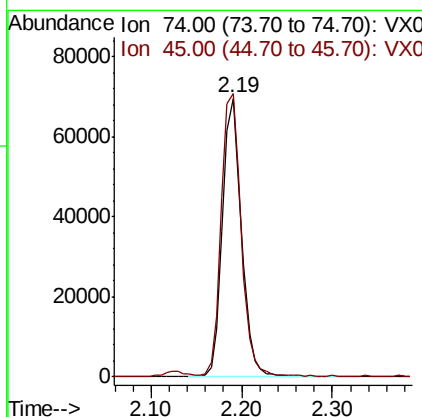
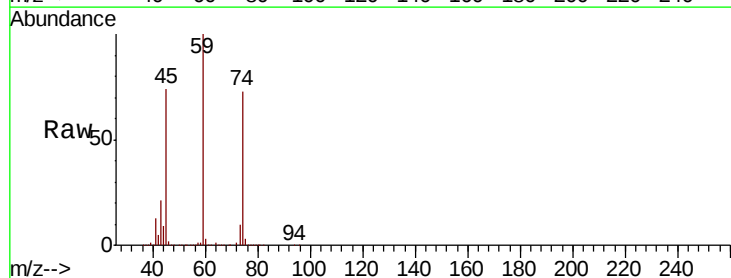
MMDadoda
10/1/2018 1:31:31 PM



#8

Diethyl Ether
Concen: 53.034 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX004856.D
Acq: 29 Sep 2018 07:38

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.2	48.3	144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.877 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX004856.D

Acq: 29 Sep 2018 07:38

Instrument :

MSVOA_X

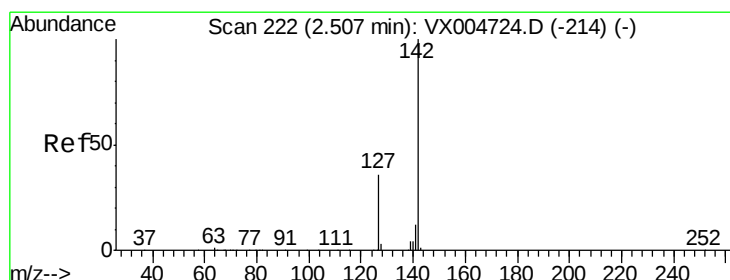
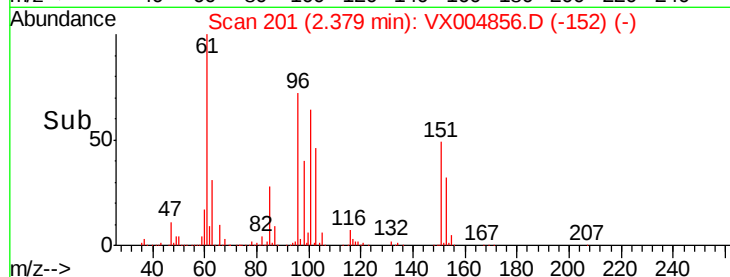
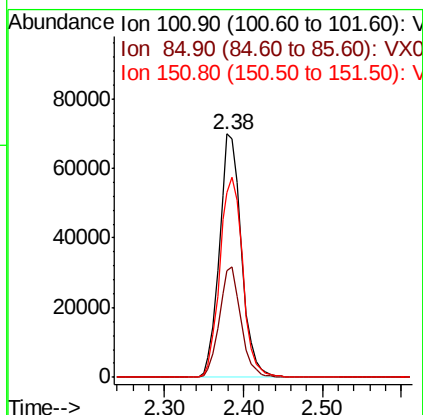
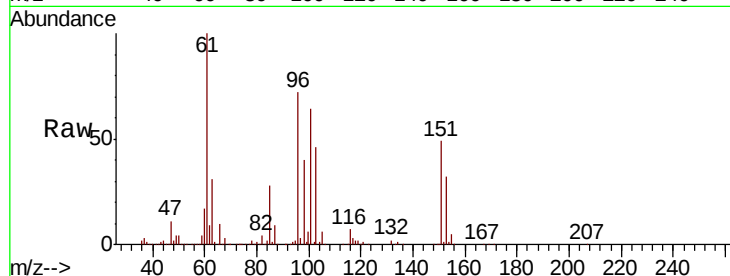
ClientSampleId :

SA-TW505-0913MSD

Tot Ion:	101	Resp:	135799
Ion Ratio	Lower	Upper	
101	100		
85	44.3	34.2	51.4
151	85.2	65.0	97.6

Manual Integrations
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#10

Methyl Iodide

Concen: 40.922 ug/l

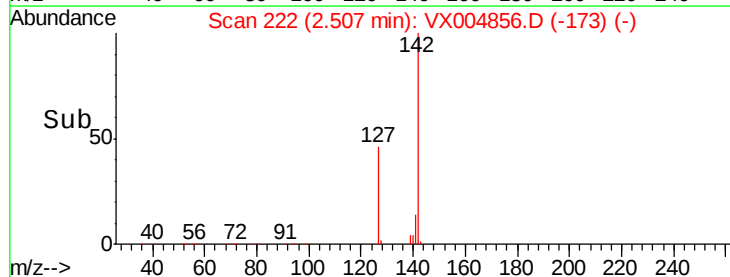
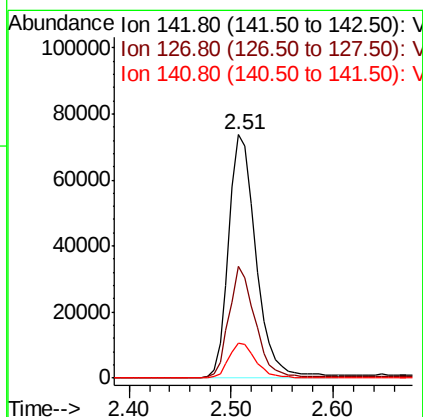
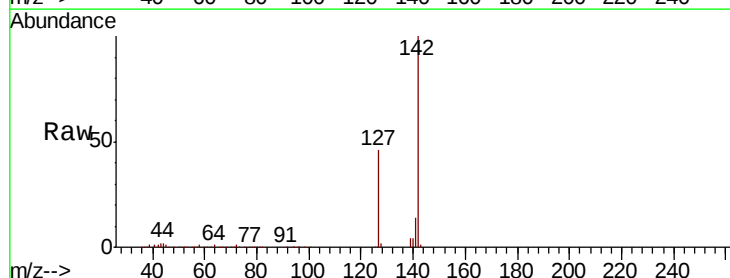
RT: 2.51 min Scan# 222

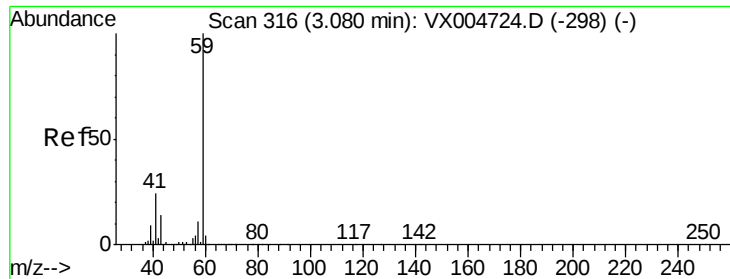
Delta R.T. 0.00 min

Lab File: VX004856.D

Acq: 29 Sep 2018 07:38

Tgt Ion:	142	Resp:	138025
Ion Ratio	Lower	Upper	
142	100		
127	43.8	33.8	50.6
141	14.2	11.4	17.0





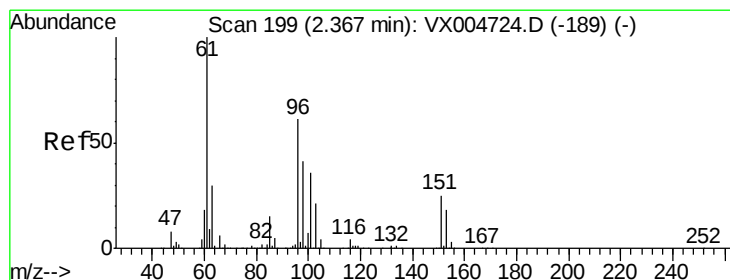
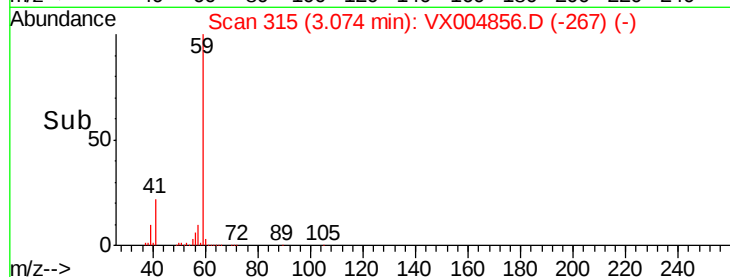
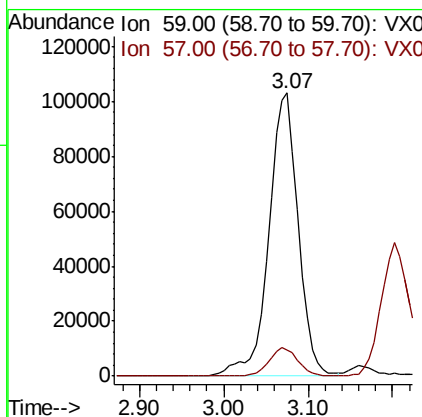
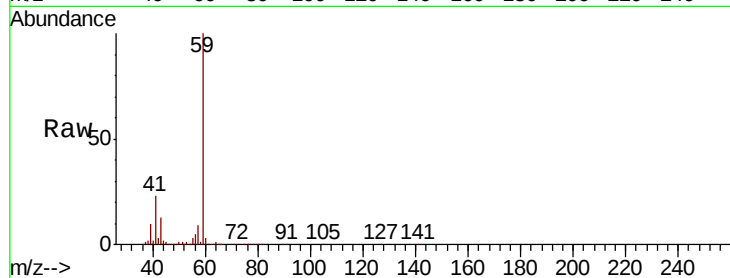
#11
Tert butyl alcohol
Concen: 270.643 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX004856.D
Acq: 29 Sep 2018 07:38

Instrument :
MSVOA_X
ClientSampleId :
SA-TW505-0913MSD

Tot Ion	59	Resp	249038
Ion Ratio	100	Lower	Upper
57	10.0	8.2	12.4

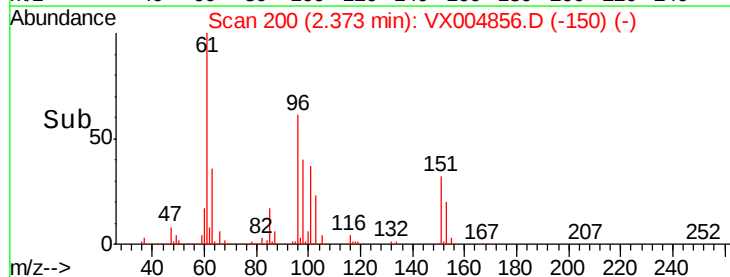
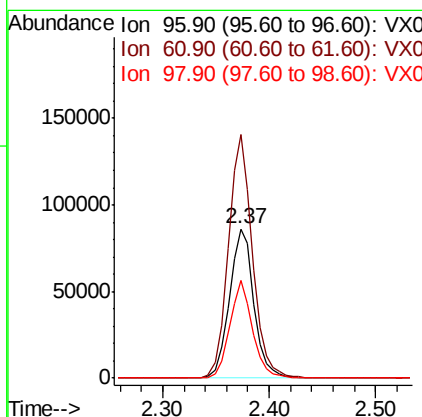
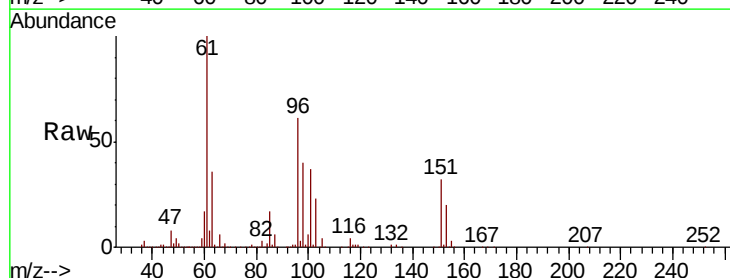
Manual Integrations
APPROVED

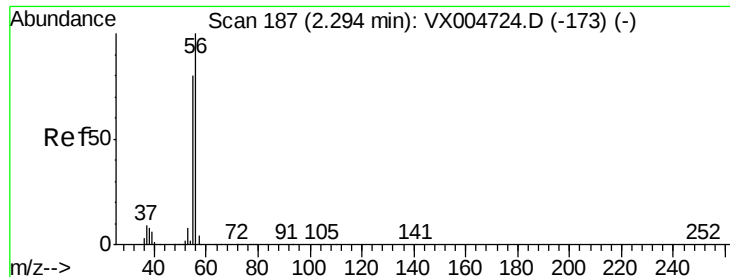
MMDadoda
10/1/2018 1:31:31 PM



#12
1,1-Dichloroethene
Concen: 55.424 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX004856.D
Acq: 29 Sep 2018 07:38

Tgt Ion	96	Resp	138349
Ion Ratio	100	Lower	Upper
61	163.0	128.8	193.2
98	65.8	52.2	78.2





#13

Acrolein

Concen: 176.472 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX004856.D

Acq: 29 Sep 2018 07:38

Instrument :

MSVOA_X

ClientSampleId :

SA-TW505-0913MSD

Tot Ion: 56 Resp: 115536

Ion Ratio Lower Upper

56 100

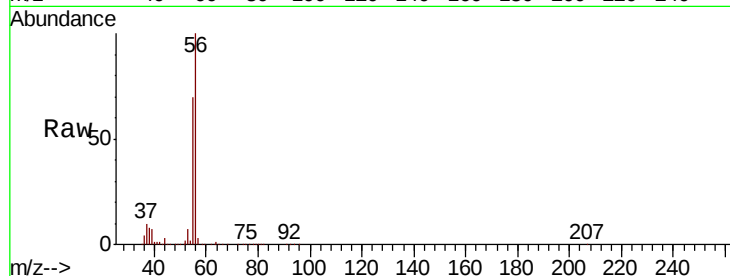
55 73.5 54.7 82.1

Manual Integrations

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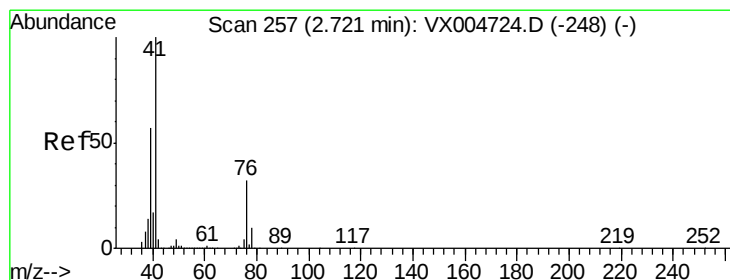
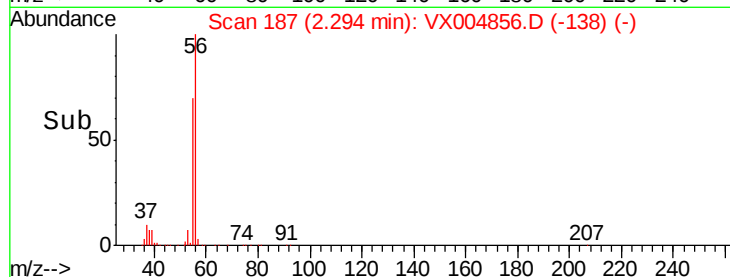
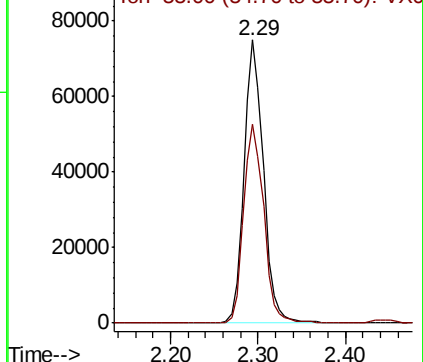
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 53.187 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX004856.D

Acq: 29 Sep 2018 07:38

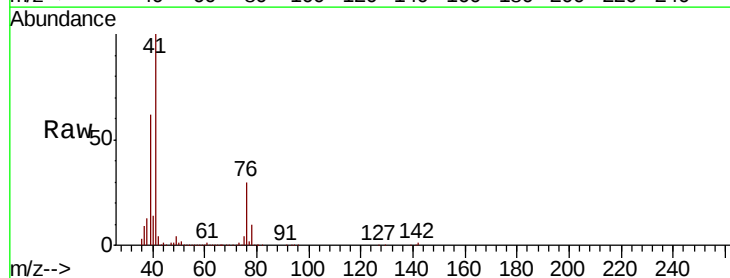
Tgt Ion: 41 Resp: 289680

Ion Ratio Lower Upper

41 100

39 57.5 48.9 73.3

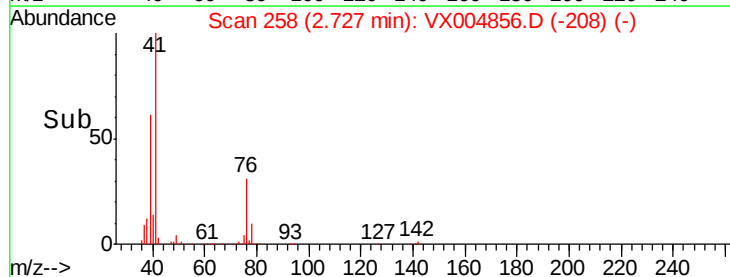
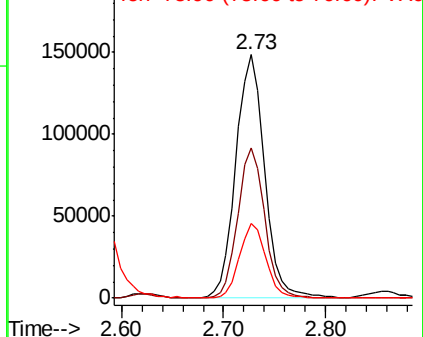
76 27.8 26.7 40.1



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 269.198 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VX004856.D

Acq: 29 Sep 2018 07:38

Instrument :

MSVOA_X

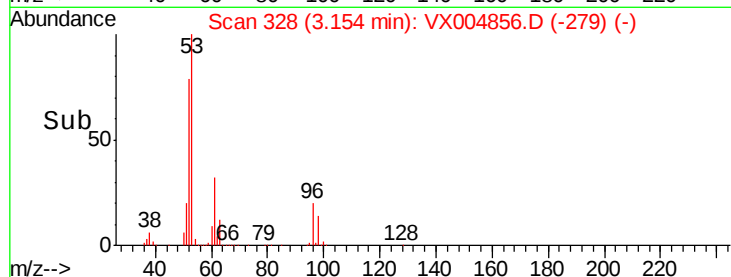
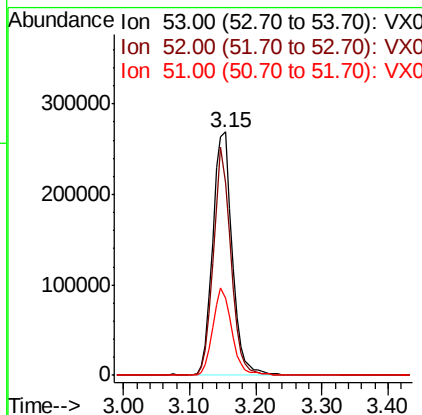
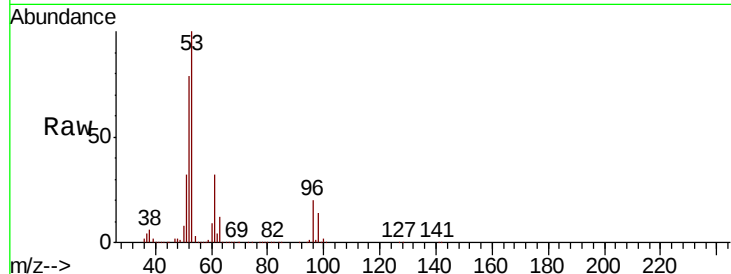
ClientSampleId :

SA-TW505-0913MSD

Tot Ion:	53	Resp:	545301
Ion	Ratio	Lower	Upper
53	100		
52	83.4	65.2	97.8
51	35.0	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 246.356 ug/l

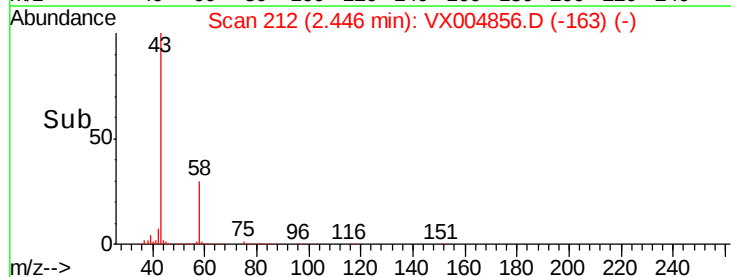
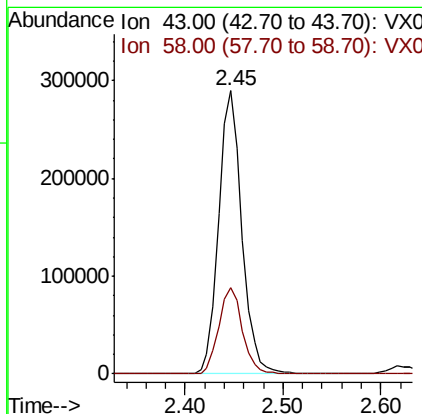
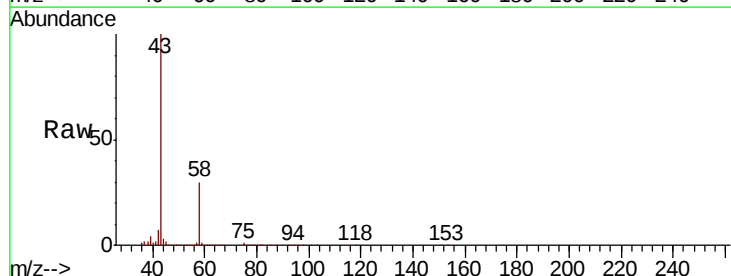
RT: 2.45 min Scan# 212

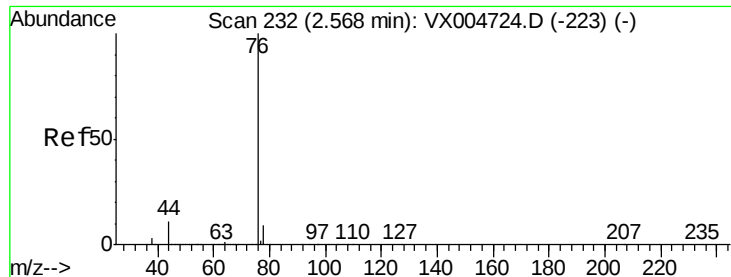
Delta R.T. 0.00 min

Lab File: VX004856.D

Acq: 29 Sep 2018 07:38

Tgt Ion:	43	Resp:	473325
Ion	Ratio	Lower	Upper
43	100		
58	30.4	26.2	39.4





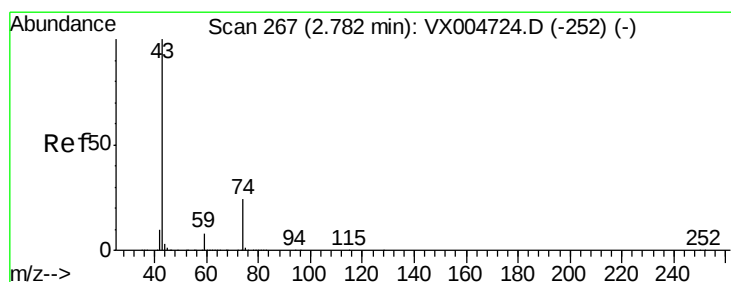
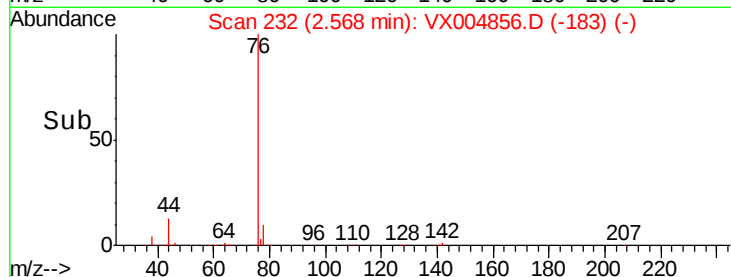
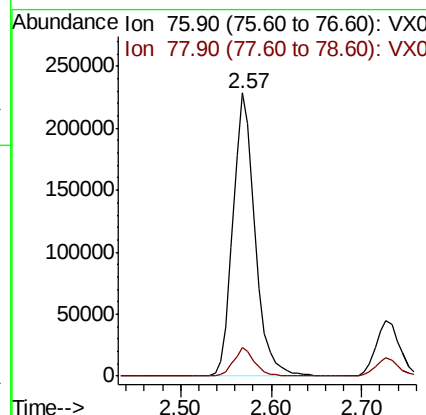
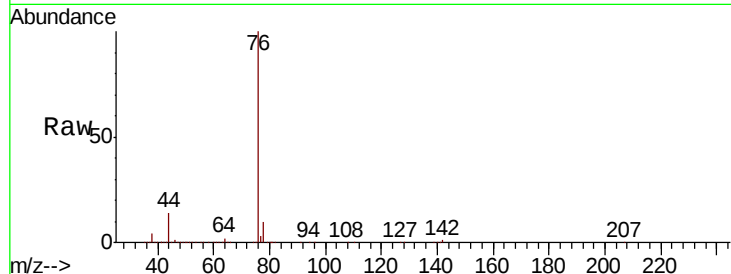
#17
Carbon Disulfide
Concen: 51.394 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX004856.D
Acq: 29 Sep 2018 07:38

Instrument :
MSVOA_X
ClientSampleId :
SA-TW505-0913MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.1	7.0	10.6

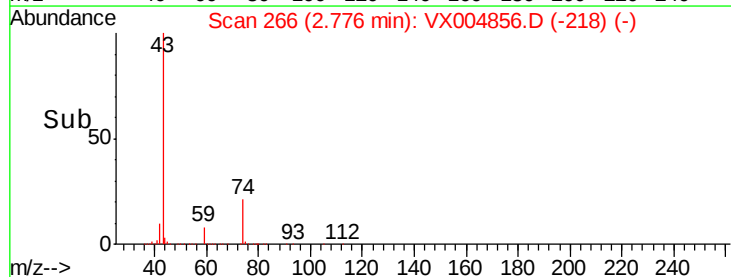
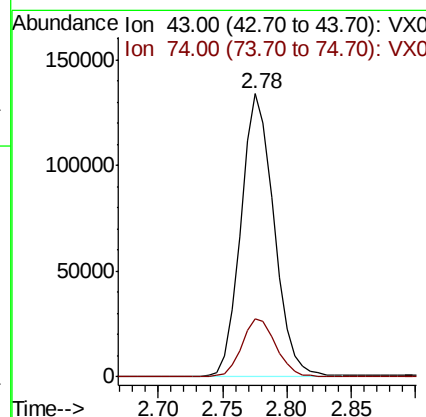
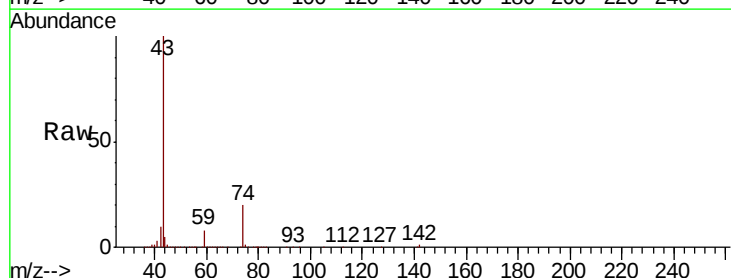
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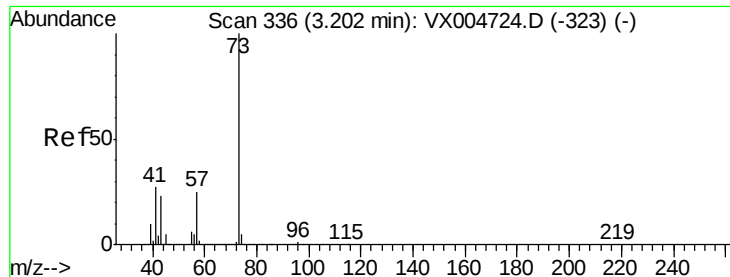
MMDadoda
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#18
Methyl Acetate
Concen: 48.680 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX004856.D
Acq: 29 Sep 2018 07:38

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.9	19.4	29.2





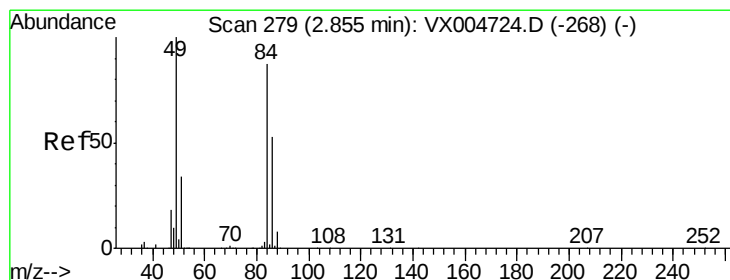
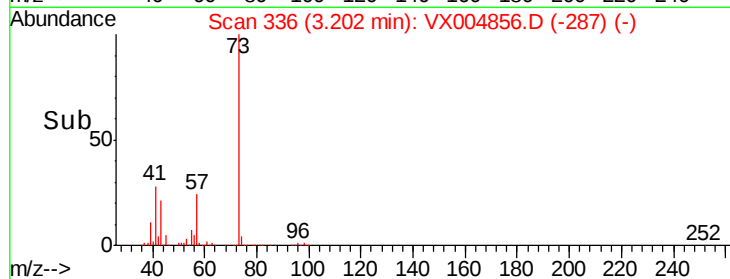
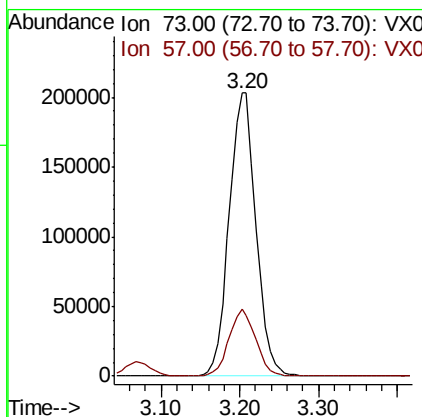
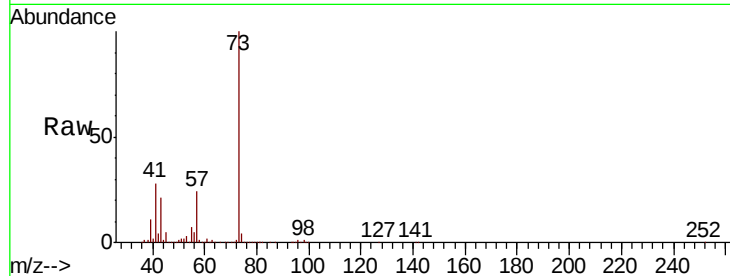
#19
Methvl tert-butvl Ether
Concen: 55.778 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX004856.D
Acq: 29 Sep 2018 07:38

Instrument :
MSVOA_X
ClientSampleId :
SA-TW505-0913MSD

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.8	17.1	25.7

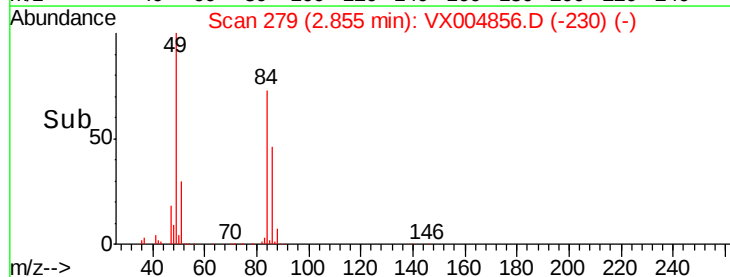
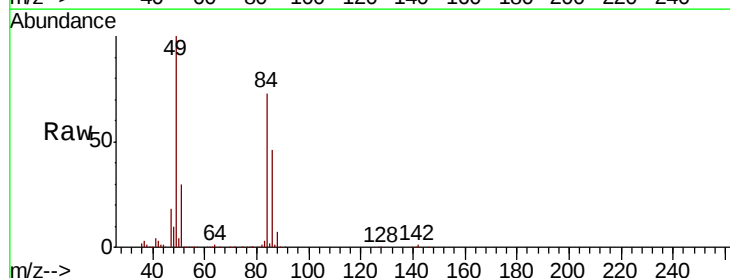
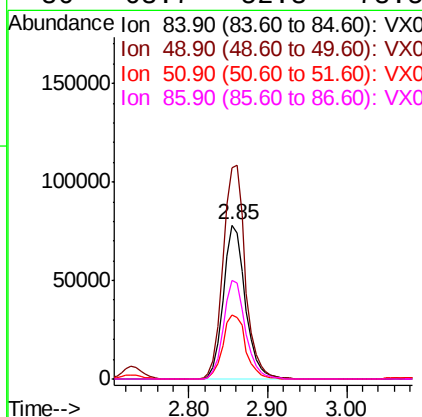
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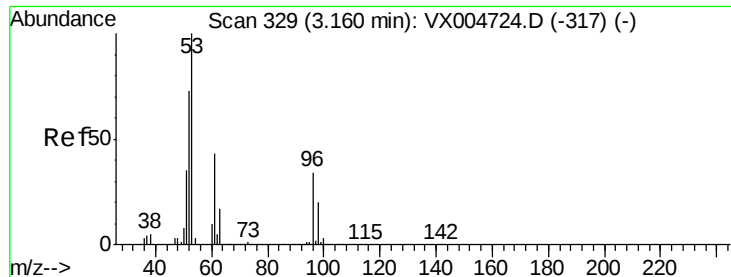
MMDadoda
10/1/2018 1:31:31 PM



#20
Methylene Chloride
Concen: 54.237 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX004856.D
Acq: 29 Sep 2018 07:38

Tgt Ion	Ratio	Lower	Upper
84	100		
49	137.3	101.2	151.8
51	41.3	29.5	44.3
86	63.7	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 51.385 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX004856.D

Acq: 29 Sep 2018 07:38

Instrument :

MSVOA_X

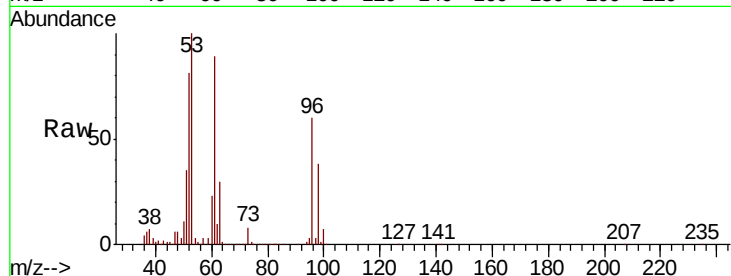
ClientSampleId :

SA-TW505-0913MSD

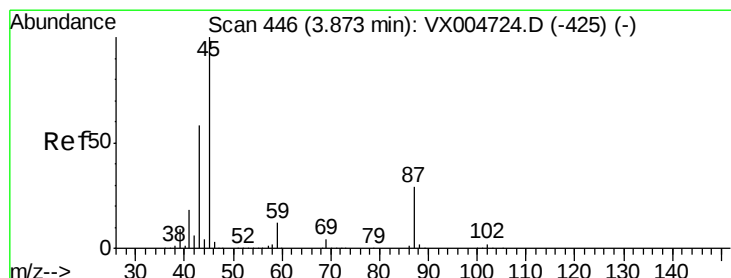
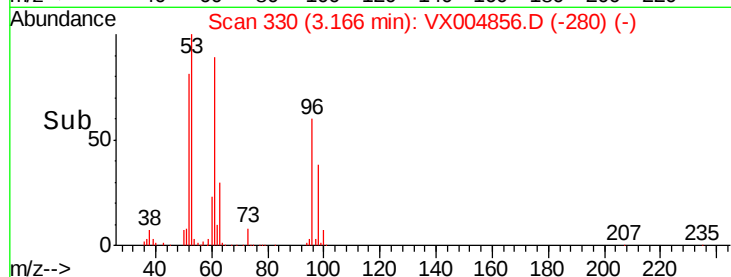
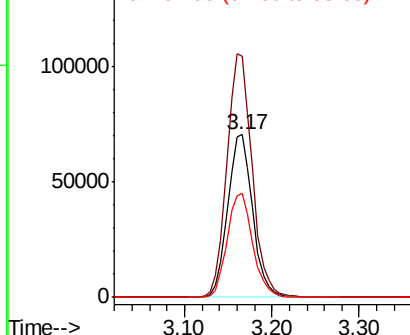
Tot Ion:	96	Resp:	140413
Ion	Ratio	Lower	Upper
96	100		
61	148.3	113.8	170.6
98	63.9	51.8	77.8

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Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 56.344 ug/l

RT: 3.87 min Scan# 445

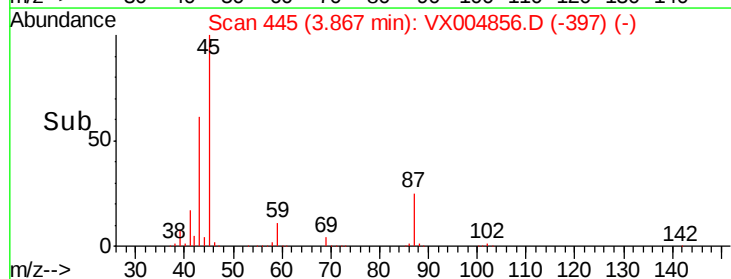
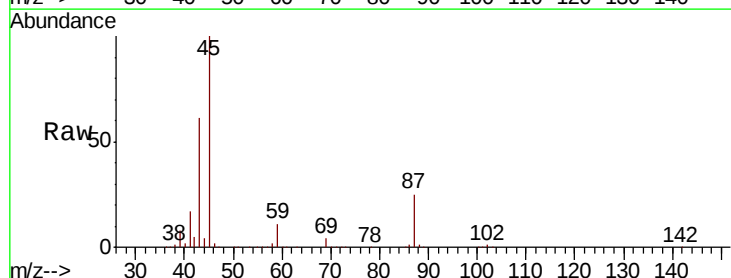
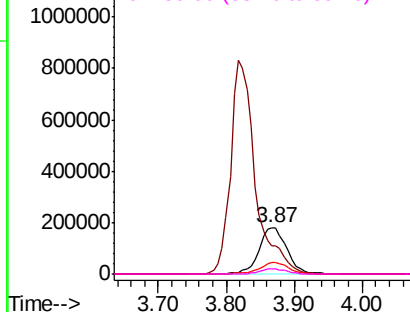
Delta R.T. -0.01 min

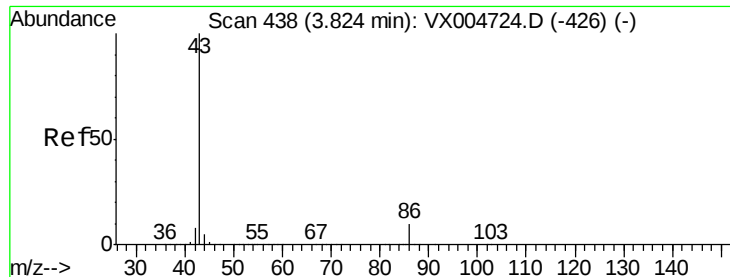
Lab File: VX004856.D

Acq: 29 Sep 2018 07:38

Tgt Ion:	45	Resp:	516753
Ion	Ratio	Lower	Upper
45	100		
43	61.1	42.8	64.2
87	24.6	22.6	34.0
59	10.9	9.6	14.4

Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 251.077 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.01 min

Lab File: VX004856.D

Acq: 29 Sep 2018 07:38

Instrument :

MSVOA_X

ClientSampleId :

SA-TW505-0913MSD

Tot Ion: 43 Resp: 2107829

Ion Ratio Lower Upper

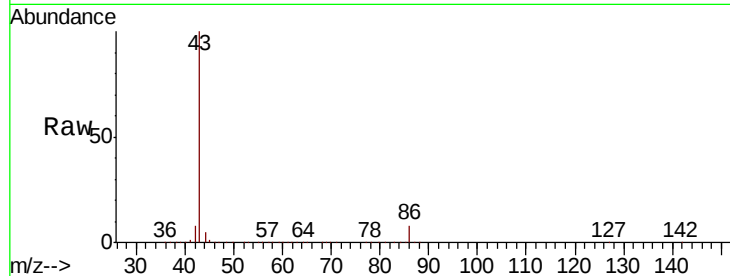
43 100

86 7.7 8.9 13.3#

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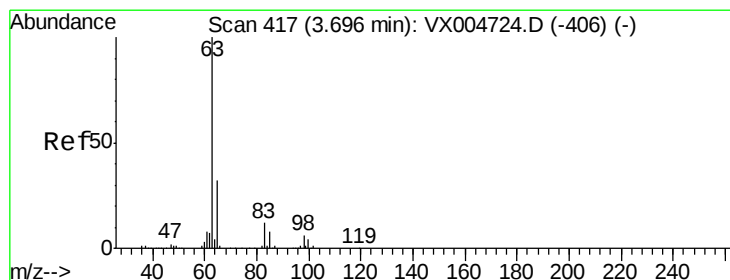
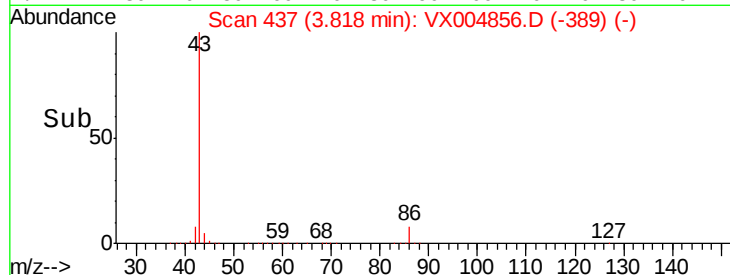
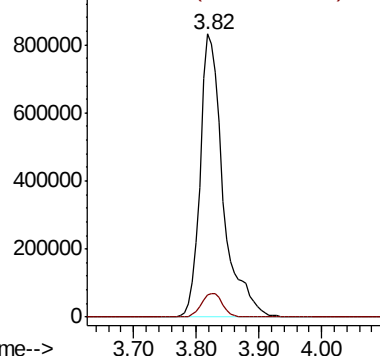
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 51.703 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX004856.D

Acq: 29 Sep 2018 07:38

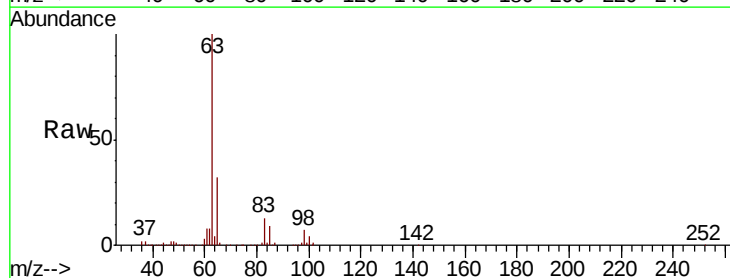
Tgt Ion: 63 Resp: 282861

Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.4

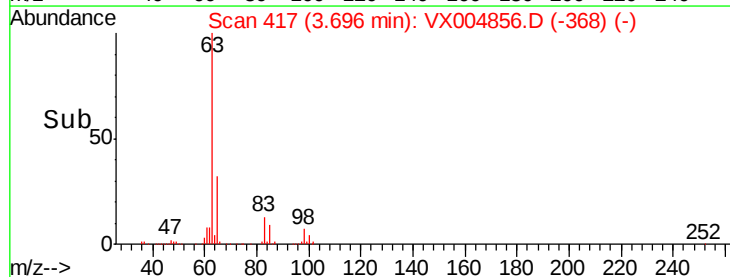
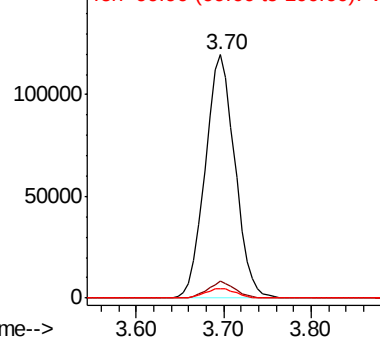
100 3.9 2.4 7.1

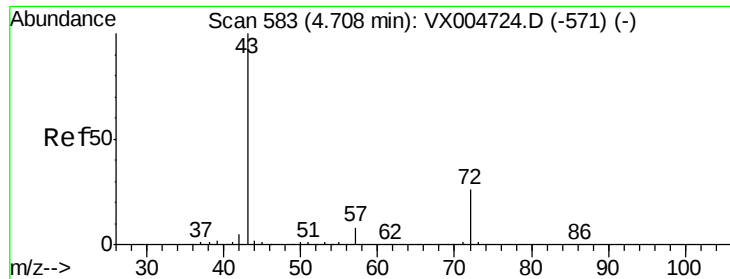


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 248.575 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX004856.D

Acq: 29 Sep 2018 07:38

Instrument :

MSVOA_X

ClientSampleId :

SA-TW505-0913MSD

Tot Ion: 43 Resp: 703979

Ion Ratio Lower Upper

43 100

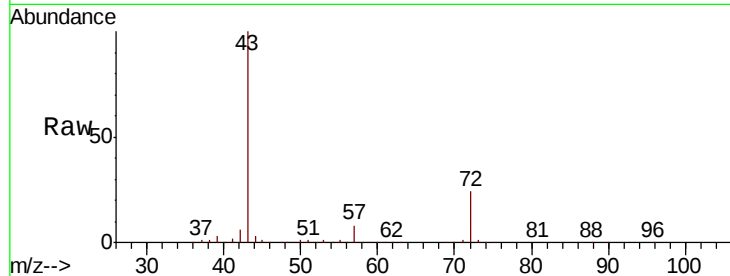
72 23.6 22.0 33.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

250000

200000

150000

100000

50000

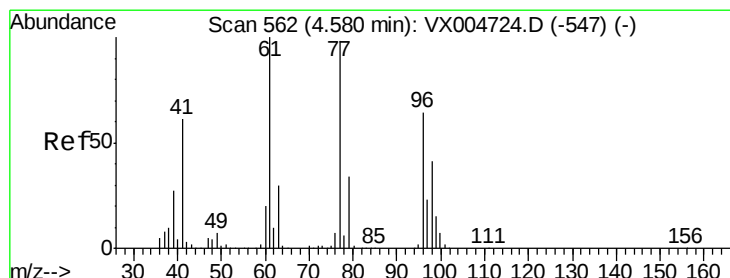
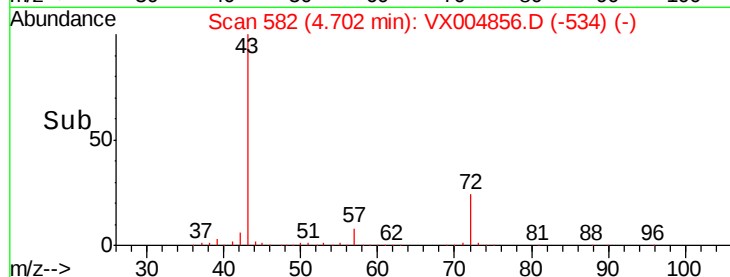
0

4.60

4.70

4.80

Time-->



#26

2,2-Dichloropropane

Concen: 35.793 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX004856.D

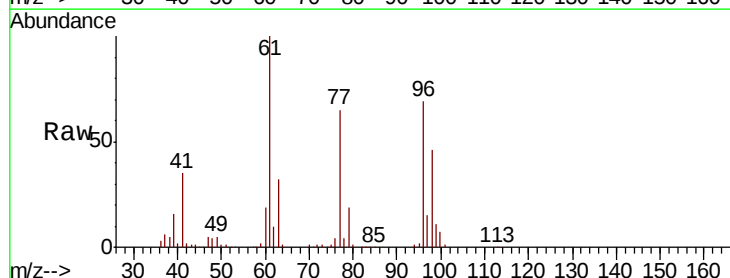
Acq: 29 Sep 2018 07:38

Tgt Ion: 77 Resp: 136358

Ion Ratio Lower Upper

77 100

97 23.5 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

50000

40000

30000

20000

10000

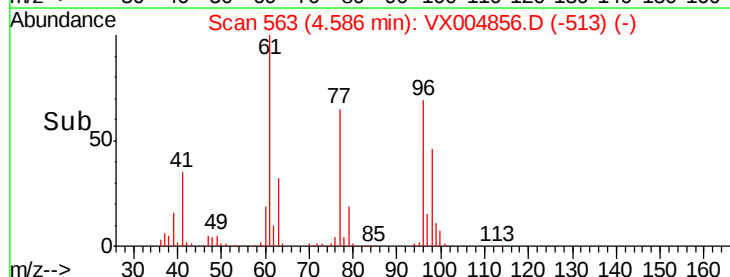
0

4.50

4.60

4.70

Time-->





#27

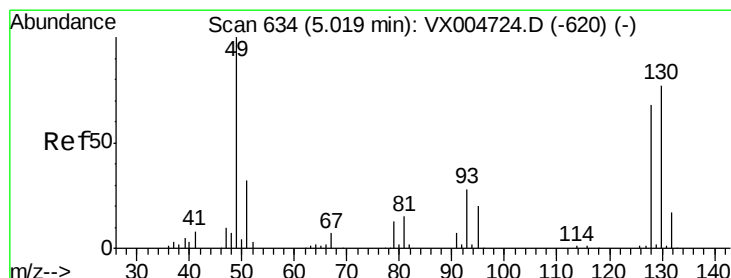
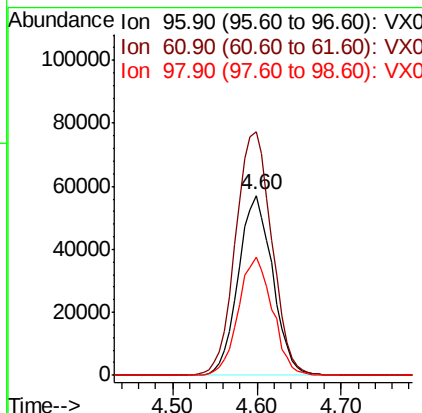
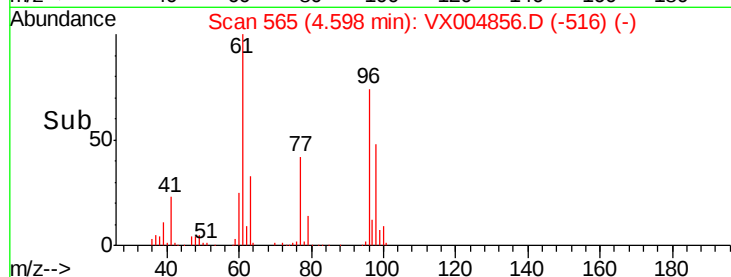
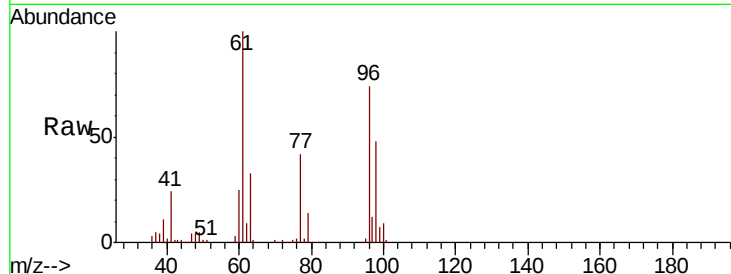
cis-1,2-Dichloroethene
 Concen: 51.468 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX004856.D
 Acq: 29 Sep 2018 07:38

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW505-0913MSD

Tot Ion	Ratio	Resp	Lower	Upper
96	100	157111		
61	143.7	0.0	282.6	
98	65.3	0.0	130.2	

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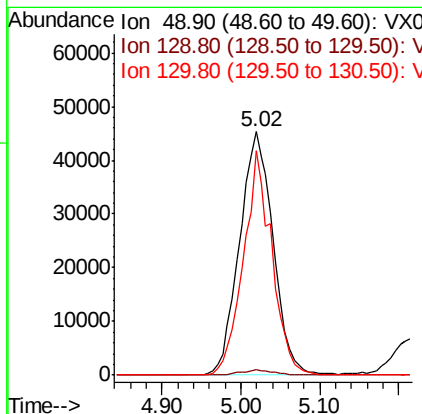
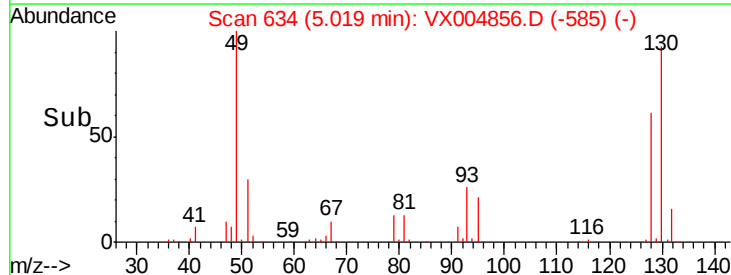
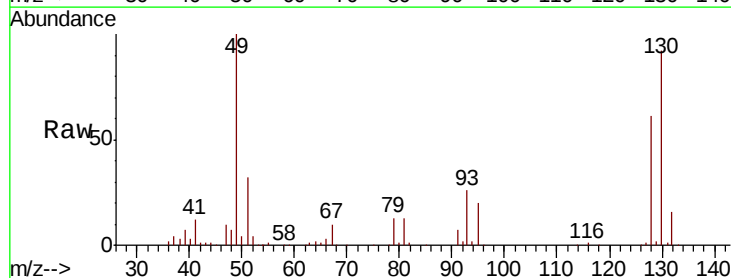
MMDadoda
 10/1/2018 1:31:31 PM

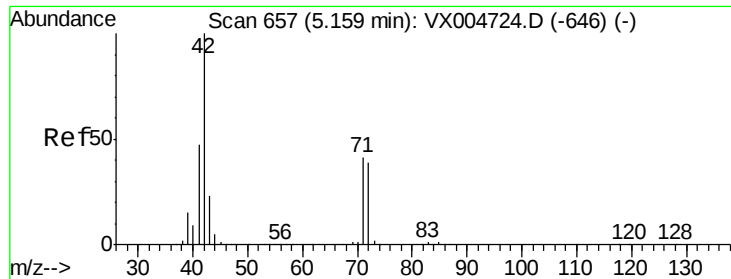


#28

Bromochloromethane
 Concen: 51.949 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: VX004856.D
 Acq: 29 Sep 2018 07:38

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	133836		
129	2.0	0.0	4.2	
130	77.9	67.5	101.3	





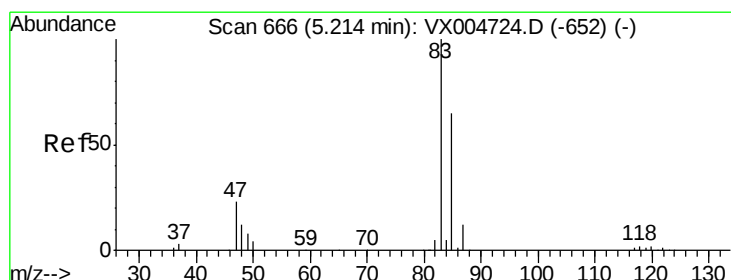
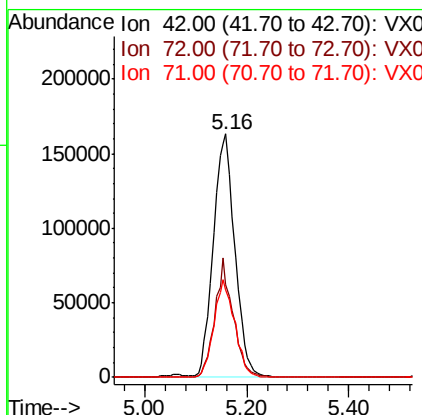
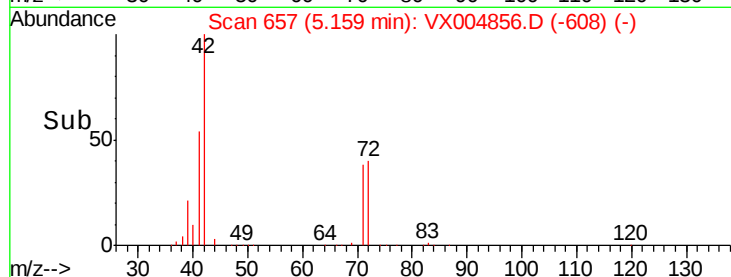
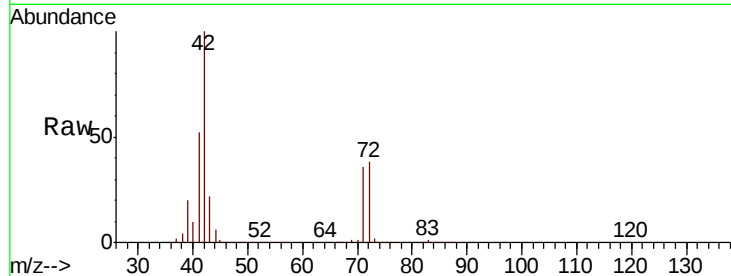
#29
Tetrahydrofuran
Concen: 271.859 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.00 min
Lab File: VX004856.D
Acq: 29 Sep 2018 07:38

Instrument :
MSVOA_X
ClientSampleId :
SA-TW505-0913MSD

Tot Ion:	42	Resp:	478534
Ion Ratio	Lower	Upper	
42	100		
72	41.5	37.4	56.0
71	38.6	34.5	51.7

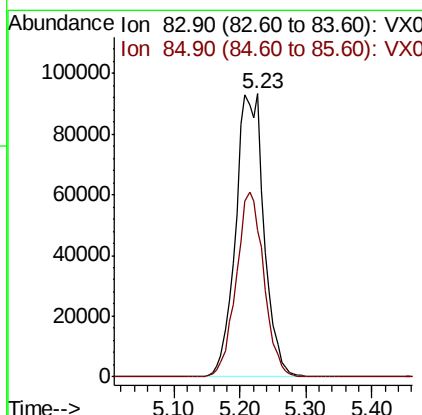
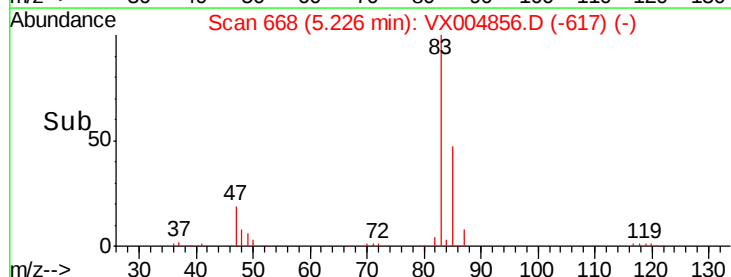
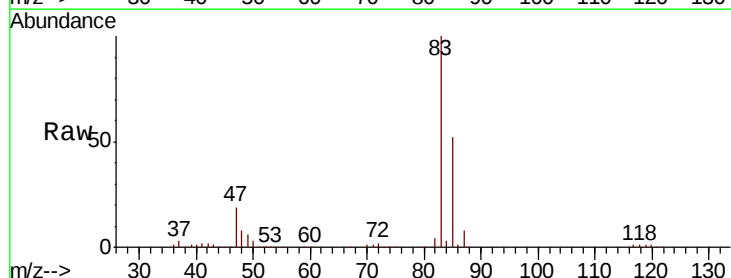
Manual Integrations
APPROVED

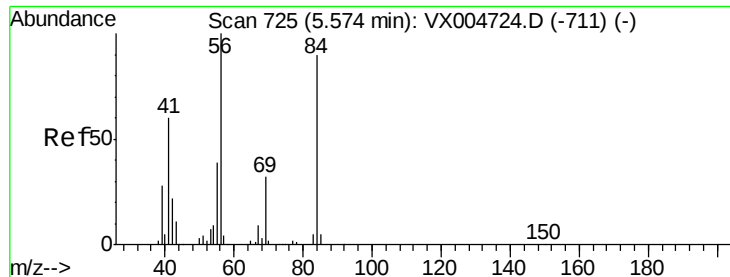
MMDadoda
10/1/2018 1:31:31 PM



#30
Chloroform
Concen: 53.690 ug/l
RT: 5.23 min Scan# 668
Delta R.T. 0.01 min
Lab File: VX004856.D
Acq: 29 Sep 2018 07:38

Tgt Ion:	83	Resp:	277607
Ion Ratio	Lower	Upper	
83	100		
85	51.9	52.6	79.0#





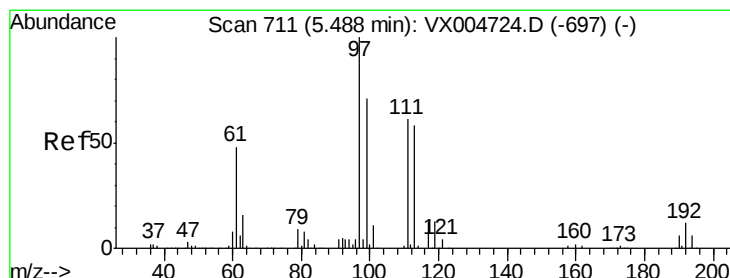
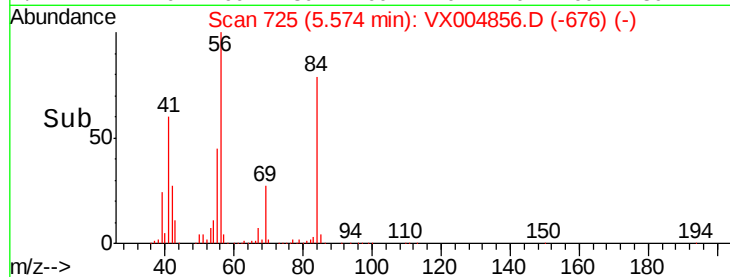
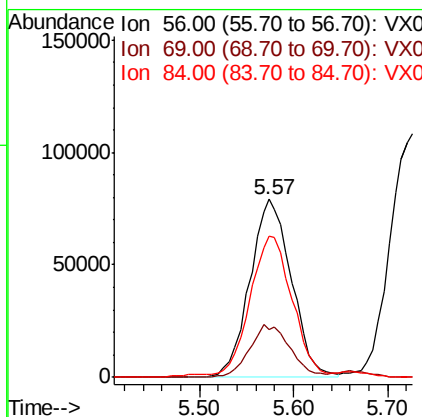
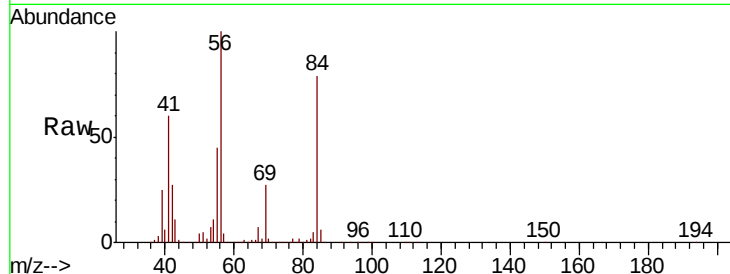
#31
Cvclohexane
Concen: 58.127 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX004856.D
Acq: 29 Sep 2018 07:38

Instrument :
MSVOA_X
ClientSampleId :
SA-TW505-0913MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	27.1	25.4	38.2
84	77.7	71.4	107.2

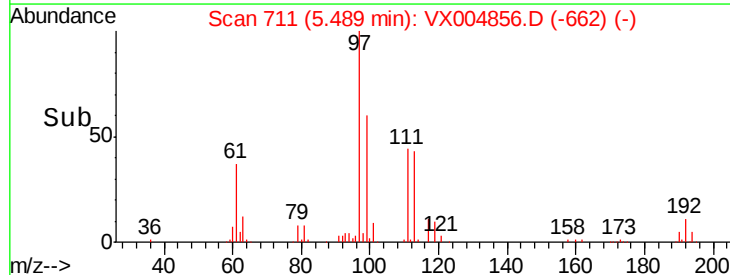
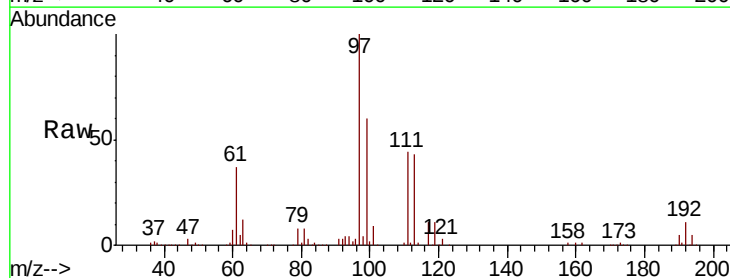
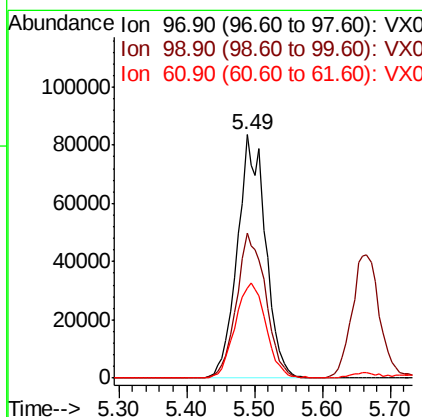
Manual Integrations
APPROVED

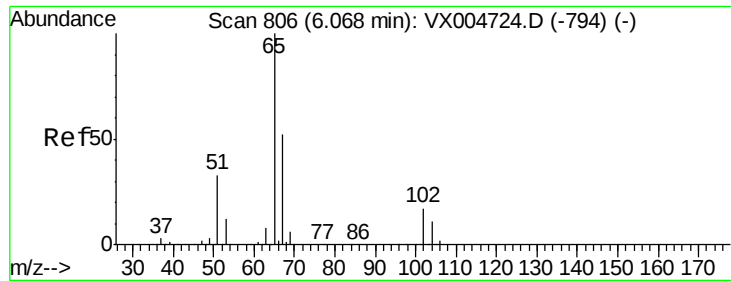
MMDadoda
10/1/2018 1:31:31 PM



#32
1,1,1-Trichloroethane
Concen: 56.517 ug/l
RT: 5.49 min Scan# 711
Delta R.T. 0.00 min
Lab File: VX004856.D
Acq: 29 Sep 2018 07:38

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.8	52.0	78.0
61	43.0	34.9	52.3





#33

1,2-Dichloroethane-d4

Concen: 53.128 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX004856.D

Acq: 29 Sep 2018 07:38

Instrument :

MSVOA_X

ClientSampled :

SA-TW505-0913MSD

Tot Ion: 65 Resp: 174842

Ion Ratio Lower Upper

65 100

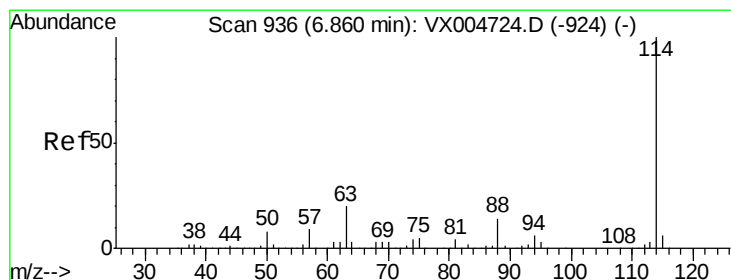
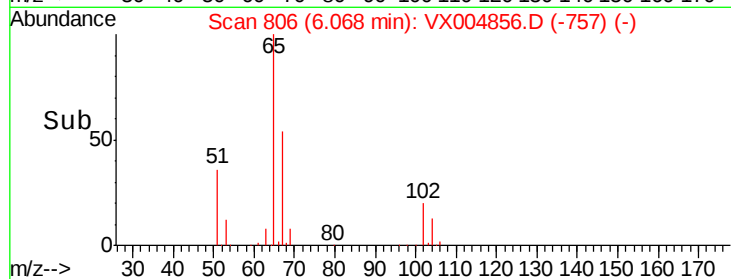
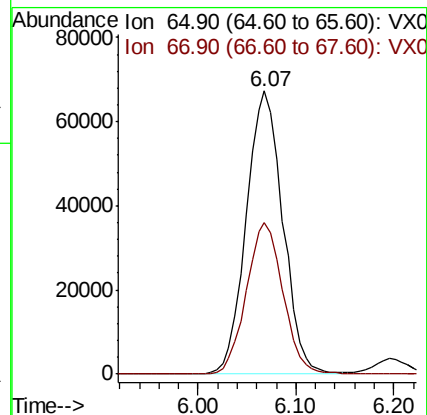
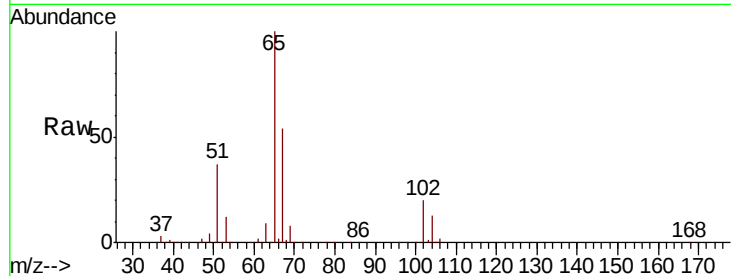
67 53.7 0.0 106.8

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX004856.D

Acq: 29 Sep 2018 07:38

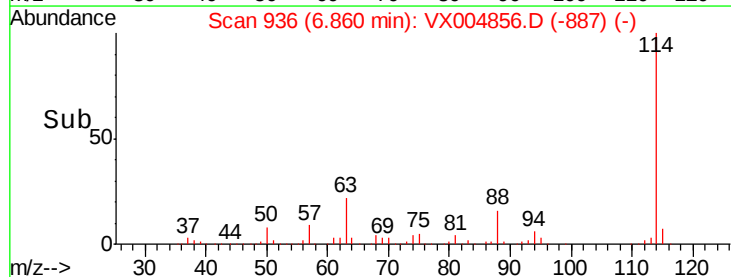
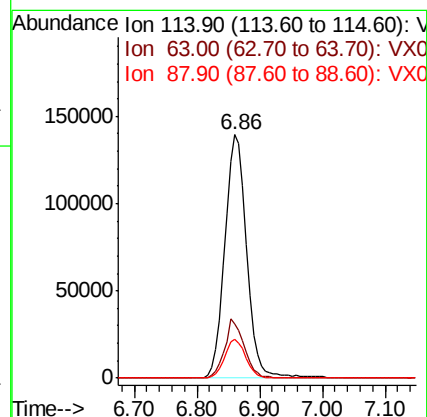
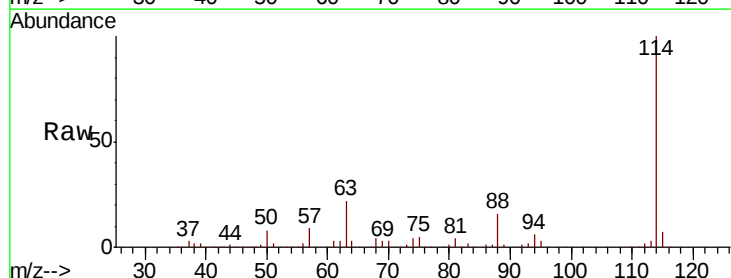
Tgt Ion: 114 Resp: 337069

Ion Ratio Lower Upper

114 100

63 22.1 0.0 39.0

88 15.7 0.0 30.4





#35

Dibromofluoromethane

Concen: 50.083 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX004856.D

Acq: 29 Sep 2018 07:38

Instrument :

MSVOA_X

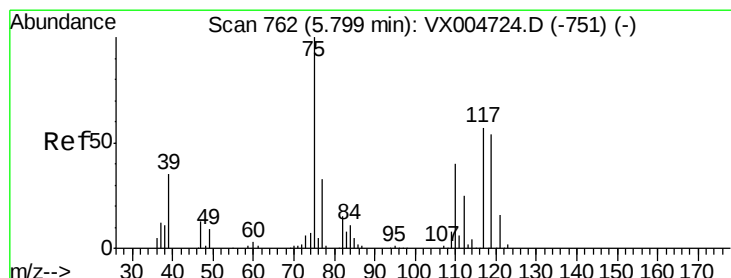
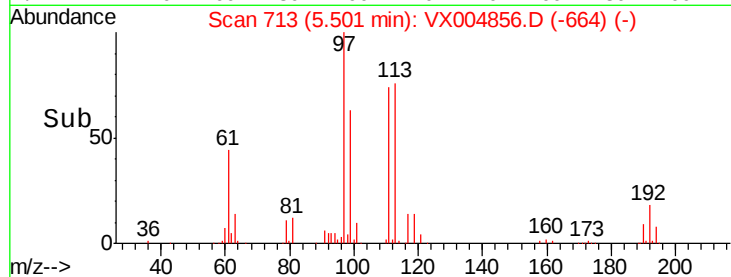
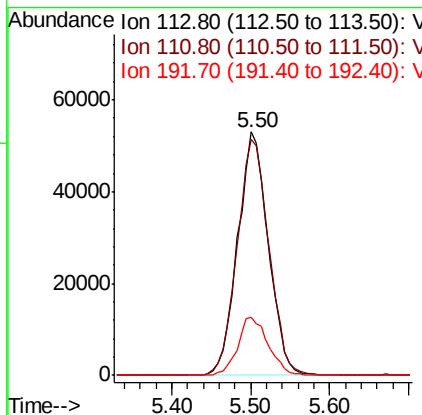
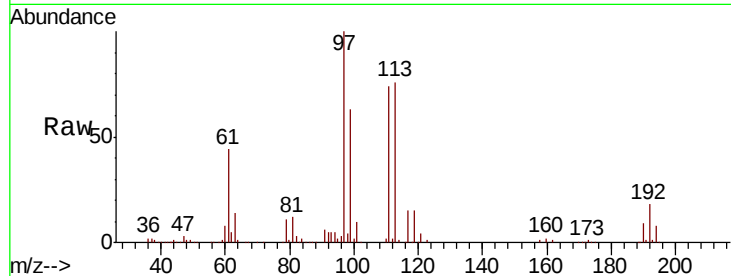
ClientSampleId :

SA-TW505-0913MSD

Tot Ion:	113	Resp:	143073
Ion Ratio	Lower	Upper	
113	100		
111	100.4	82.4	123.6
192	23.7	19.4	29.2

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



#36

1,1-Dichloropropene

Concen: 51.937 ug/l

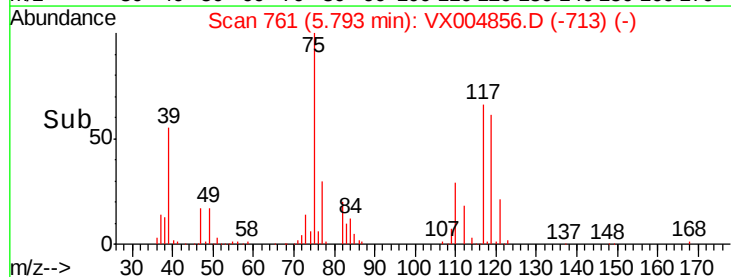
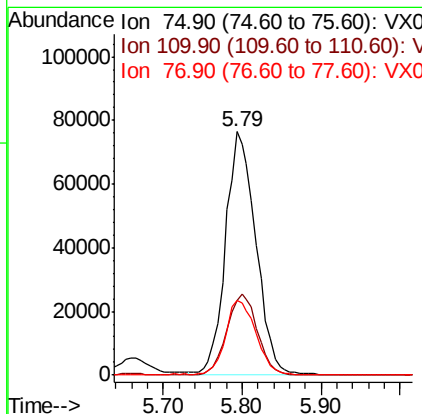
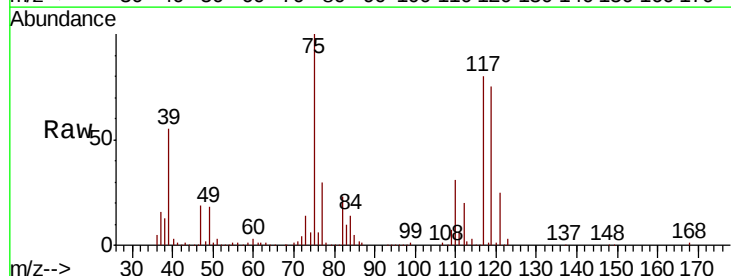
RT: 5.79 min Scan# 761

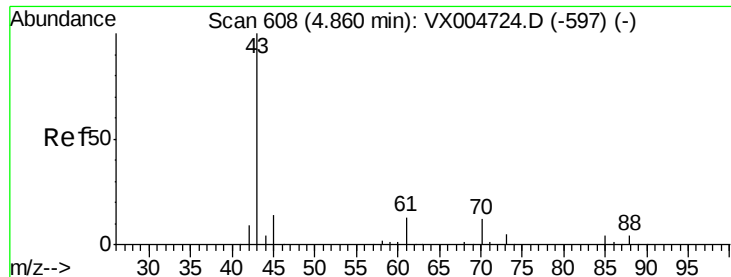
Delta R.T. -0.01 min

Lab File: VX004856.D

Acq: 29 Sep 2018 07:38

Tgt Ion:	75	Resp:	202431
Ion Ratio	Lower	Upper	
75	100		
110	34.0	18.0	54.0
77	30.7	24.6	36.8





#37

Ethyl Acetate

Concen: 47.295 ug/l

RT: 4.85 min Scan# 607

Delta R.T. -0.01 min

Lab File: VX004856.D

Acq: 29 Sep 2018 07:38

Instrument :

MSVOA_X

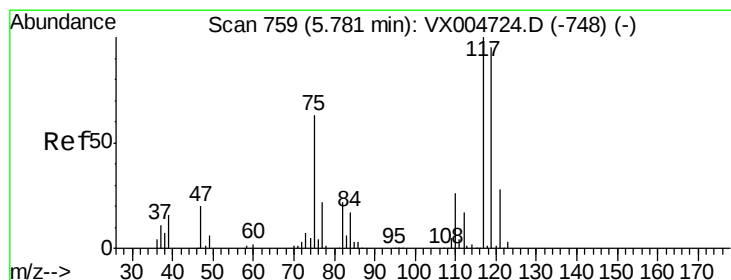
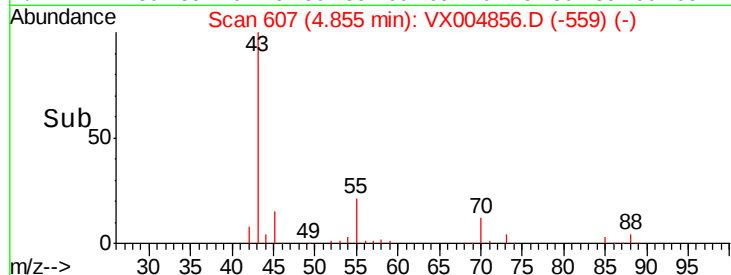
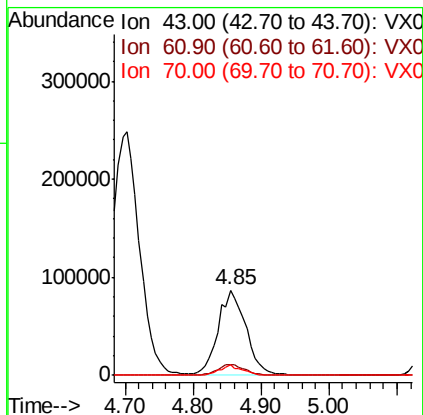
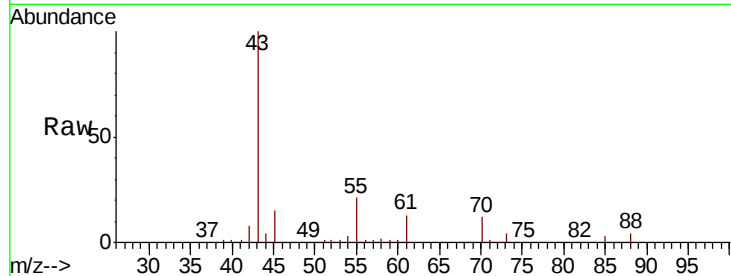
ClientSampleId :

SA-TW505-0913MSD

Tot Ion:	43	Resp:	244688
Ion	Ratio	Lower	Upper
43	100		
61	12.8	11.5	17.3
70	10.0	9.0	13.6

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 48.871 ug/l

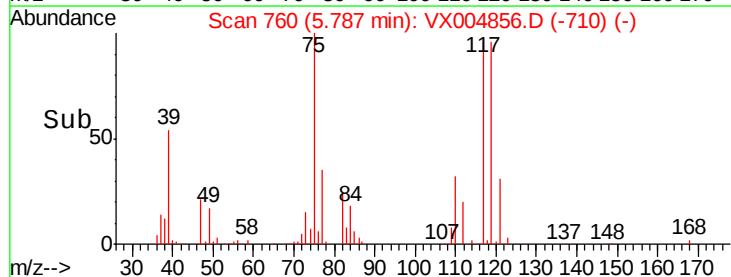
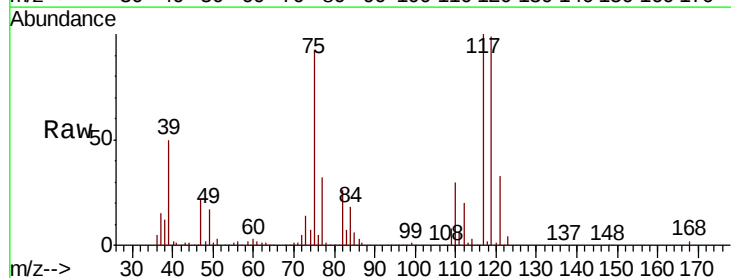
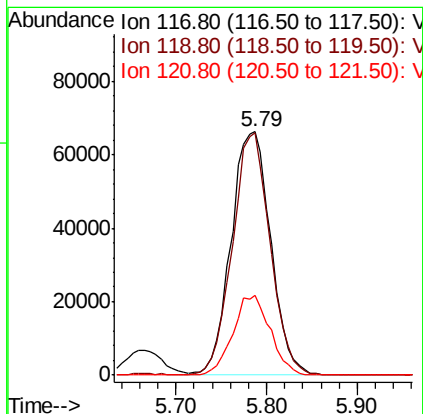
RT: 5.79 min Scan# 760

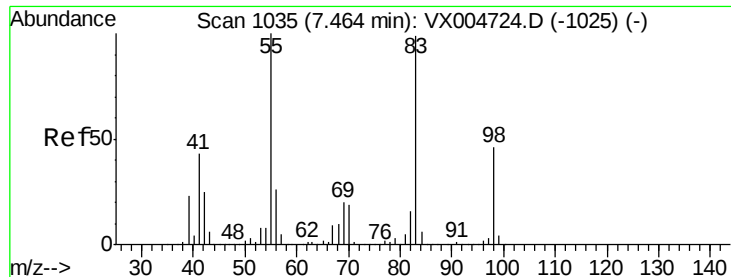
Delta R.T. 0.01 min

Lab File: VX004856.D

Acq: 29 Sep 2018 07:38

Tgt Ion:	117	Resp:	200229
Ion	Ratio	Lower	Upper
117	100		
119	99.4	78.8	118.2
121	32.6	24.9	37.3





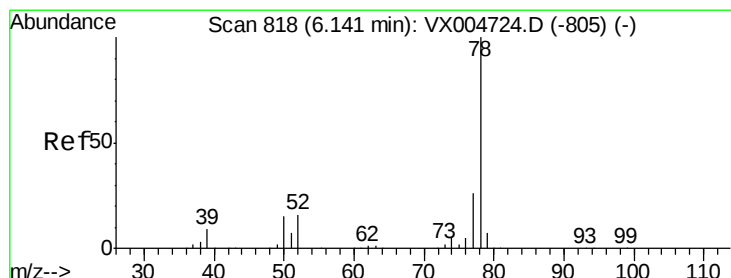
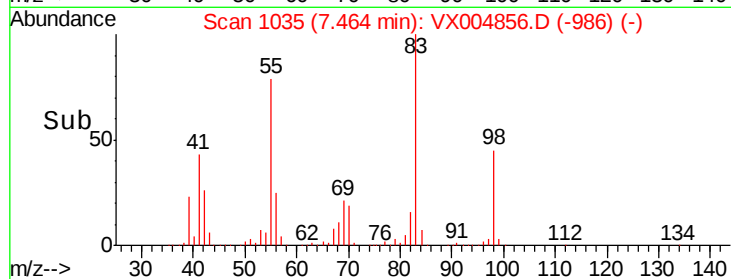
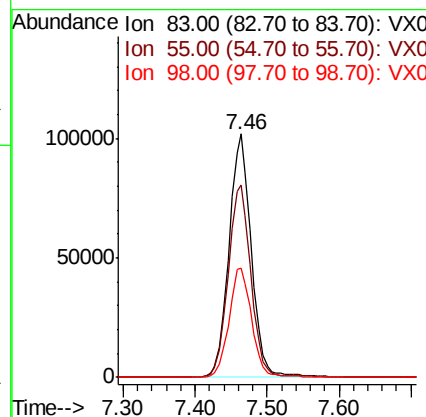
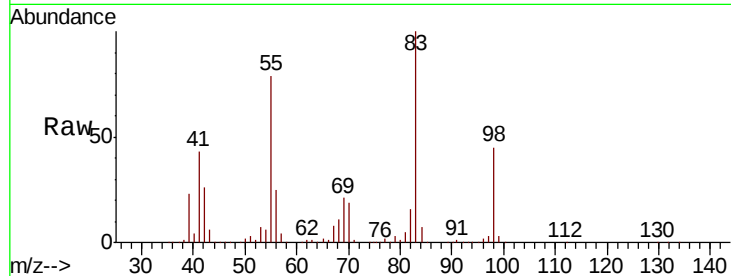
#39
Methylvlcyclohexane
Concen: 55.268 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX004856.D
Acq: 29 Sep 2018 07:38

Instrument :
MSVOA_X
ClientSampleId :
SA-TW505-0913MSD

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	79.1	61.0	91.4	
98	44.9	39.6	59.4	

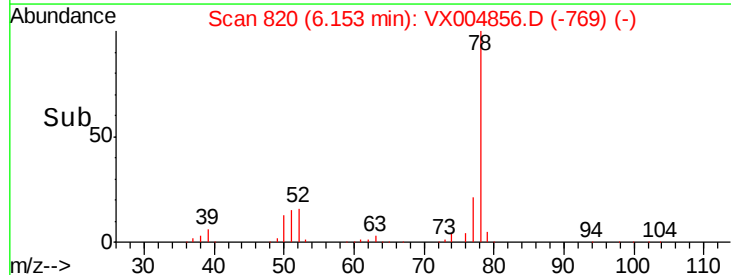
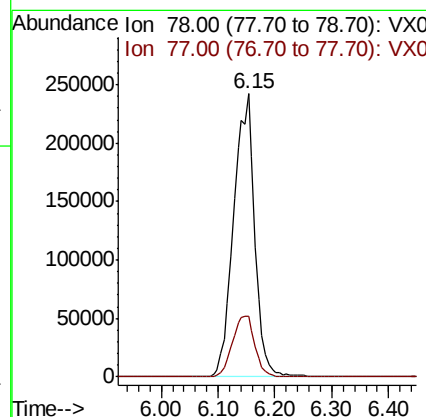
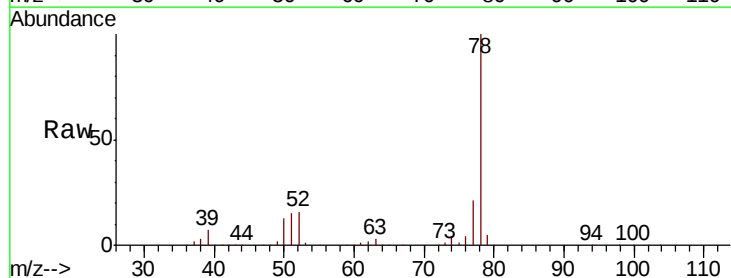
Manual Integrations
APPROVED

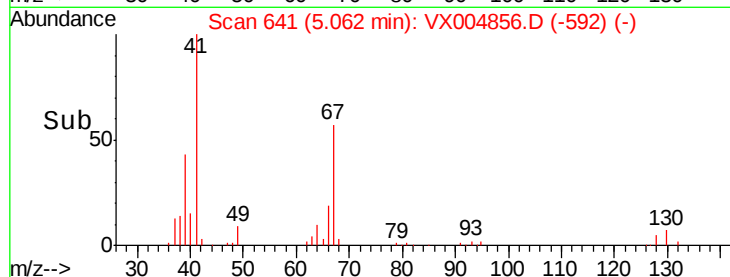
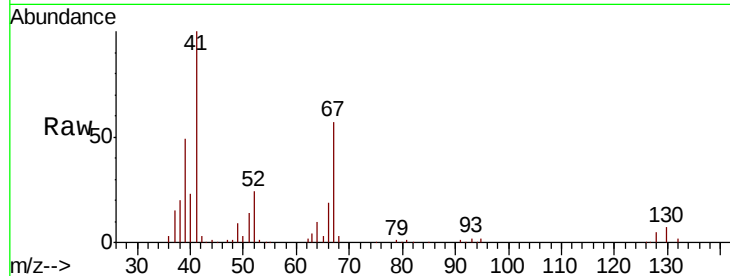
MMDadoda
10/1/2018 1:31:31 PM



#40
Benzene
Concen: 51.481 ug/l
RT: 6.15 min Scan# 820
Delta R.T. 0.01 min
Lab File: VX004856.D
Acq: 29 Sep 2018 07:38

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	21.5	19.0	28.4	





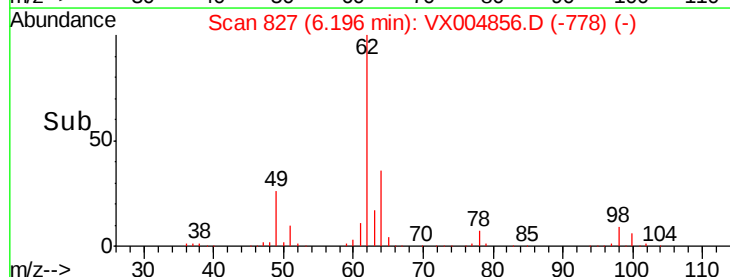
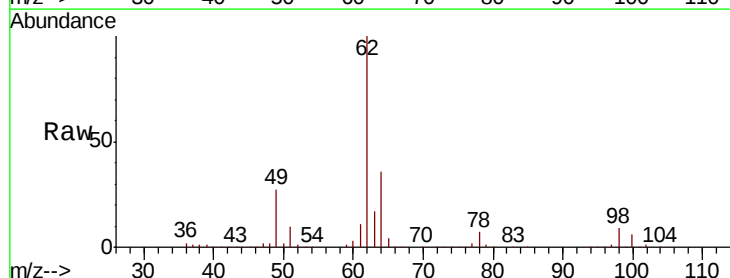
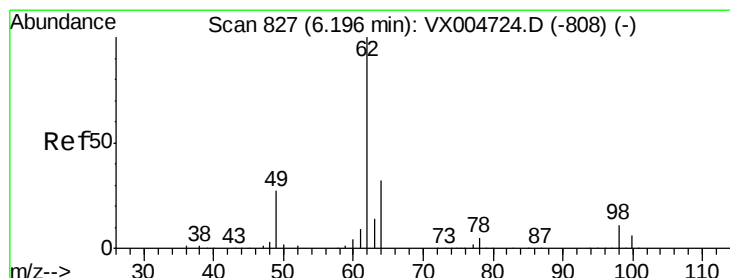
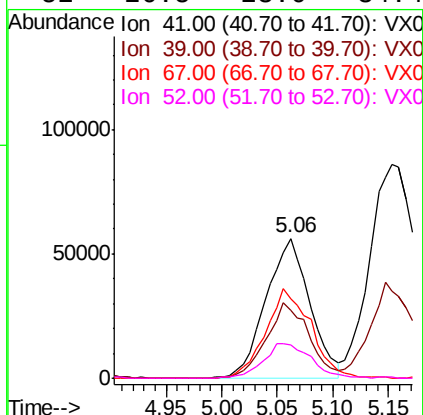
#41
Methacrylonitrile
Concen: 53.624 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.00 min
Lab File: VX004856.D
Acq: 29 Sep 2018 07:38

Tot Ion	Ratio	Lower	Upper
41	100		
39	52.1	42.4	63.6
67	66.1	59.2	88.8
52	26.5	23.0	34.4

Instrument :
MSVOA_X
ClientSampleId :
SA-TW505-0913MSD

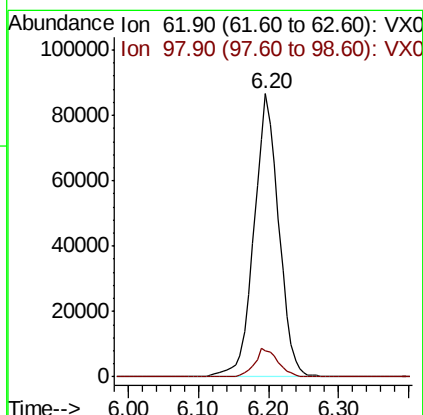
Manual Integrations
APPROVED

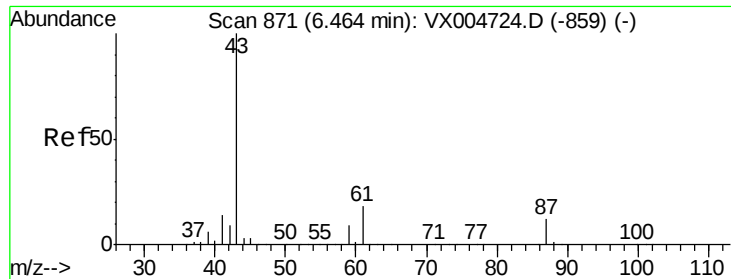
MMDadoda
10/1/2018 1:31:31 PM



#42
1,2-Dichloroethane
Concen: 49.288 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX004856.D
Acq: 29 Sep 2018 07:38

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	20.6





#43

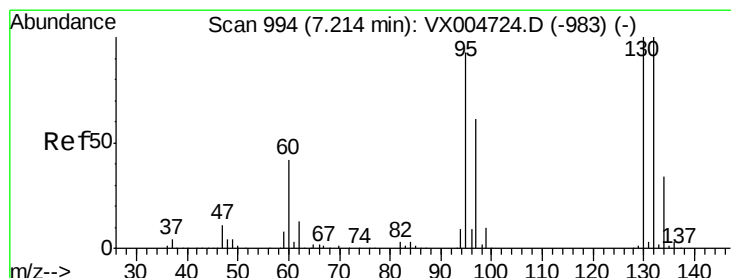
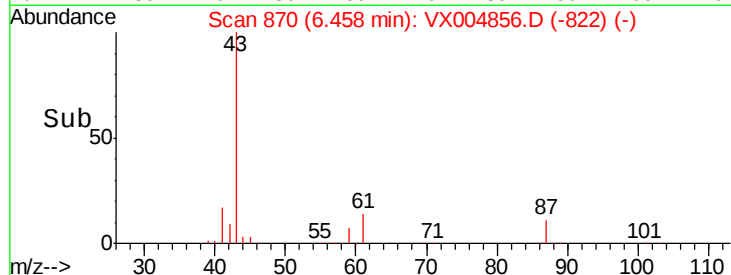
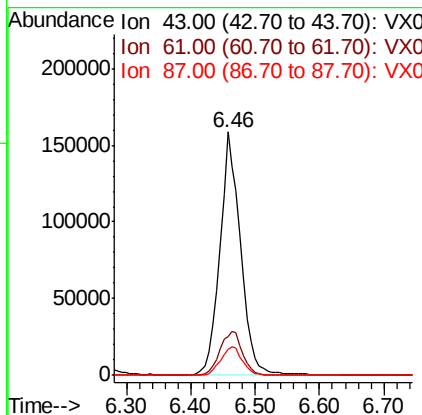
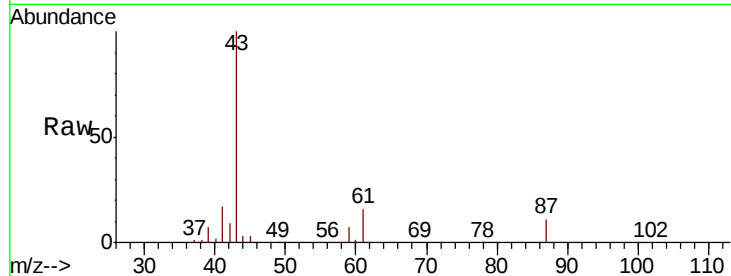
Isopropyl Acetate
 Concen: 48.021 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.01 min
 Lab File: VX004856.D
 Acq: 29 Sep 2018 07:38

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW505-0913MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.0	17.0	25.4
87	12.6	11.4	17.2

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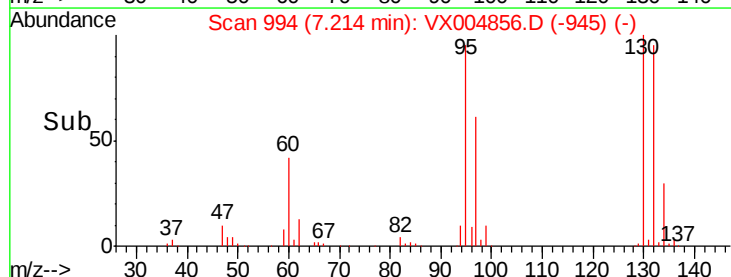
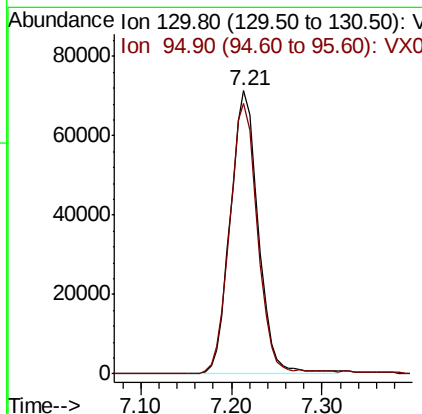
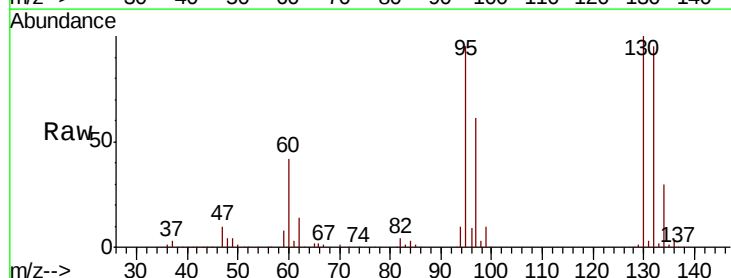
MMDadoda
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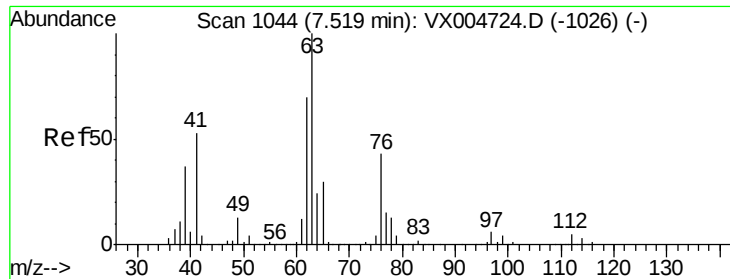


#44

Trichloroethene
 Concen: 50.980 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX004856.D
 Acq: 29 Sep 2018 07:38

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.4	0.0	181.6





#45

1,2-Dichloropropane

Concen: 53.062 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VX004856.D

Acq: 29 Sep 2018 07:38

Instrument :

MSVOA_X

ClientSampleId :

SA-TW505-0913MSD

Tot Ion: 63 Resp: 158782

Ion Ratio Lower Upper

63 100

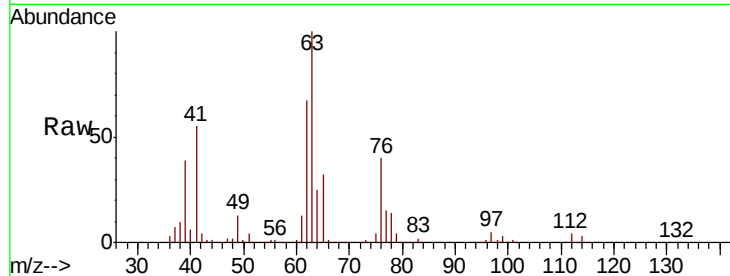
65 31.5 24.3 36.5

Manual Integrations

APPROVED

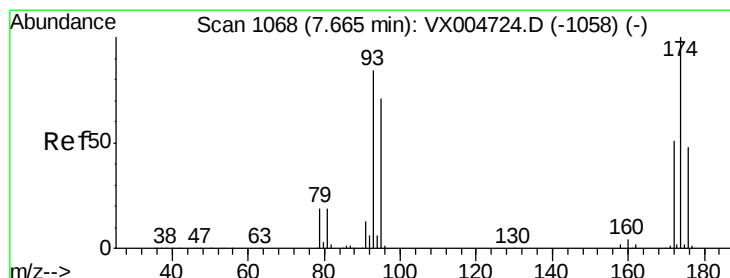
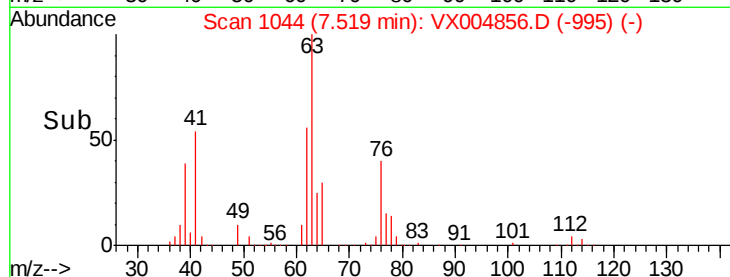
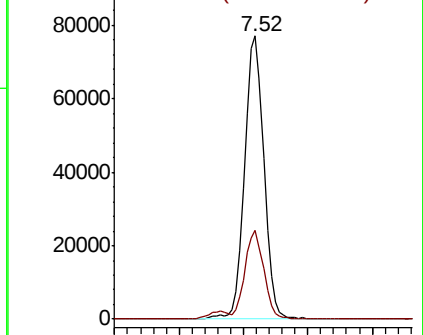
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 52.970 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VX004856.D

Acq: 29 Sep 2018 07:38

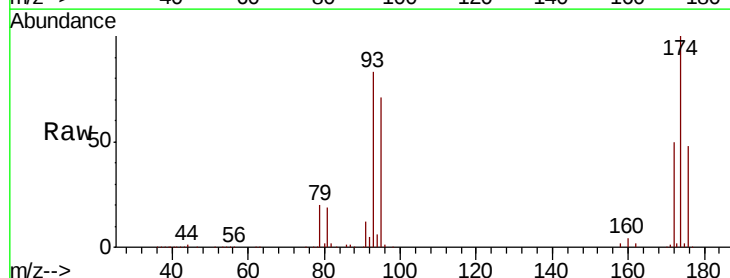
Tgt Ion: 93 Resp: 99615

Ion Ratio Lower Upper

93 100

95 84.1 65.5 98.3

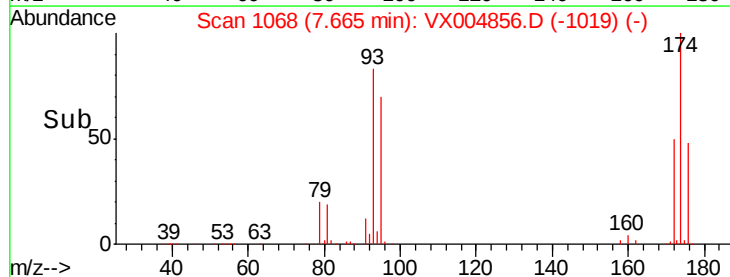
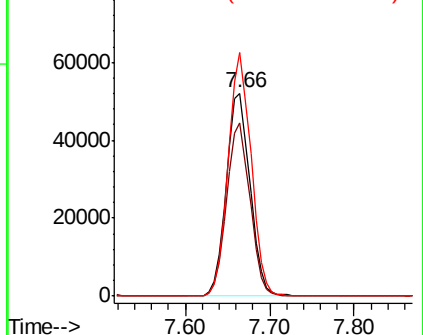
174 115.3 94.2 141.4

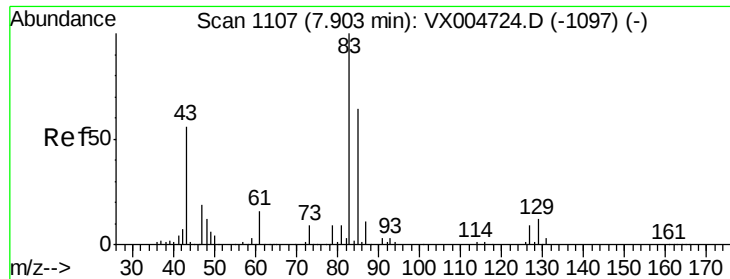


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 54.916 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VX004856.D

Acq: 29 Sep 2018 07:38

Instrument :

MSVOA_X

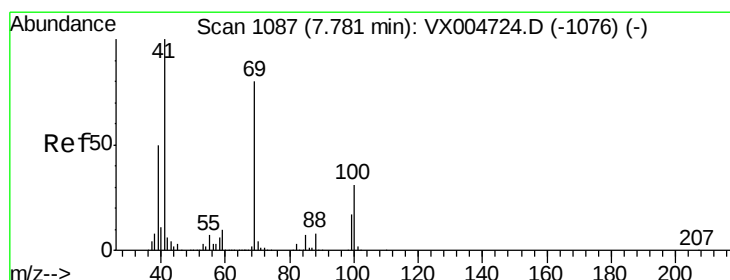
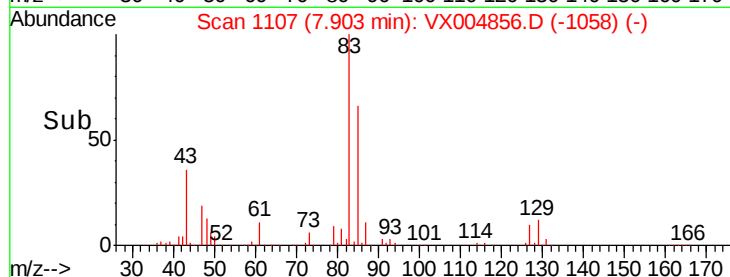
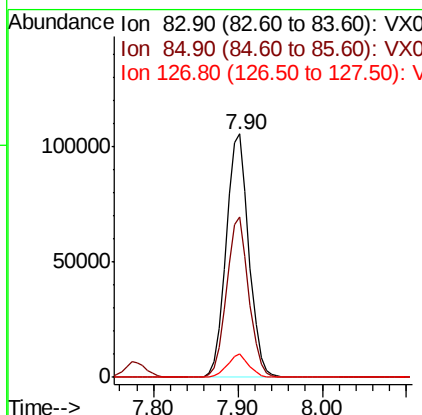
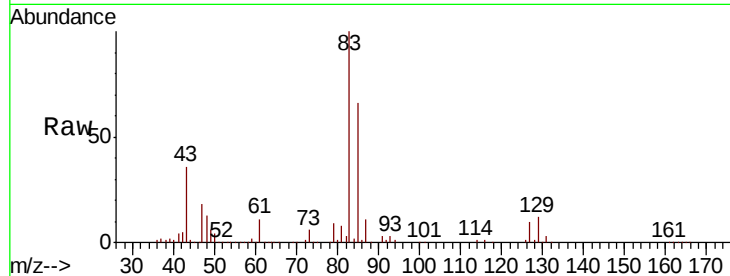
ClientSampleId :

SA-TW505-0913MSD

Tot Ion:	83	Resp:	193355
Ion	Ratio	Lower	Upper
83	100		
85	66.1	50.9	76.3
127	9.7	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 58.578 ug/l

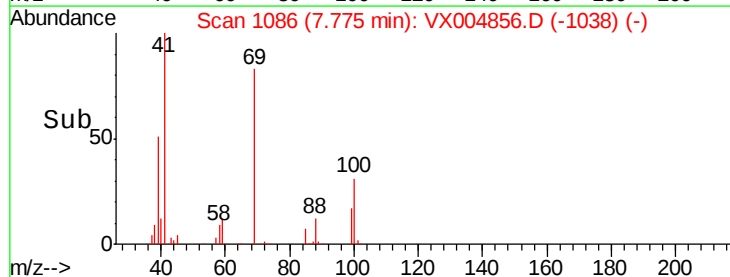
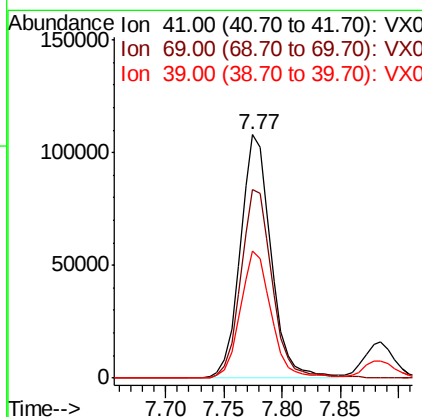
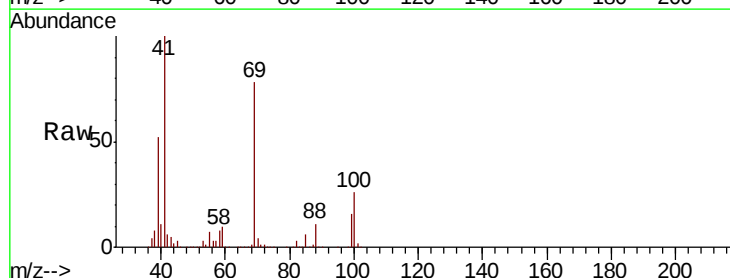
RT: 7.77 min Scan# 1086

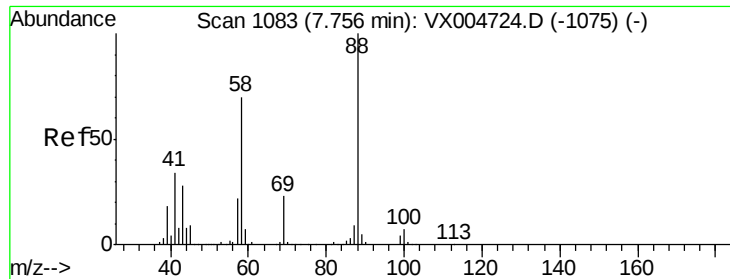
Delta R.T. -0.01 min

Lab File: VX004856.D

Acq: 29 Sep 2018 07:38

Tgt Ion:	41	Resp:	198541
Ion	Ratio	Lower	Upper
41	100		
69	79.8	70.2	105.4
39	52.0	42.7	64.1





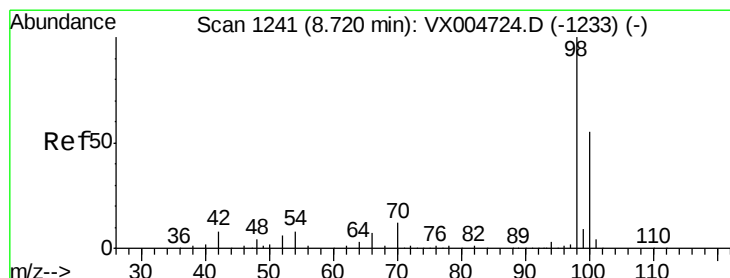
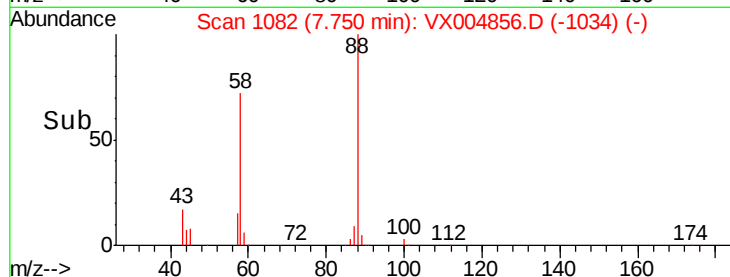
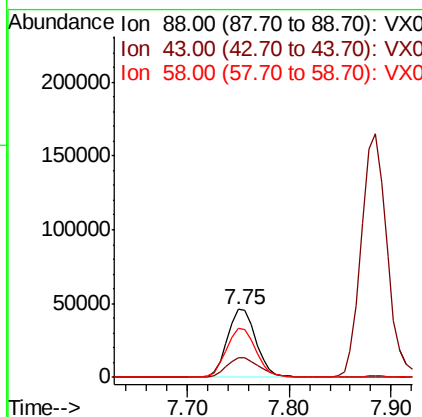
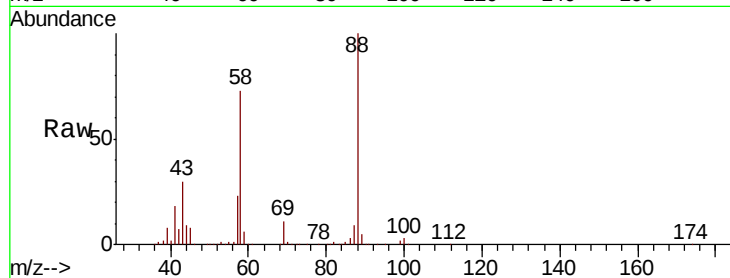
#49
1,4-Dioxane
Concen: 1070.639 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX004856.D
Acq: 29 Sep 2018 07:38

Instrument :
MSVOA_X
ClientSampleId :
SA-TW505-0913MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.9	24.7	37.1
58	74.5	55.3	82.9

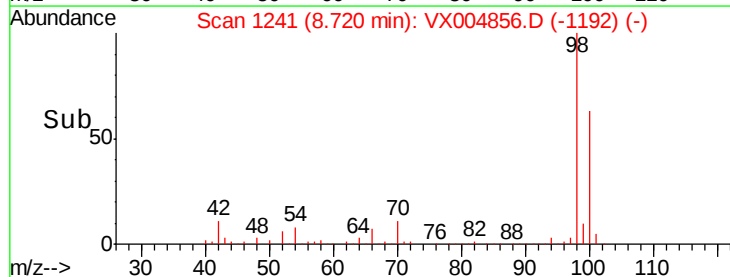
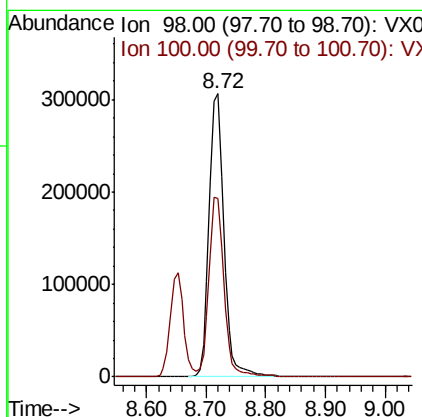
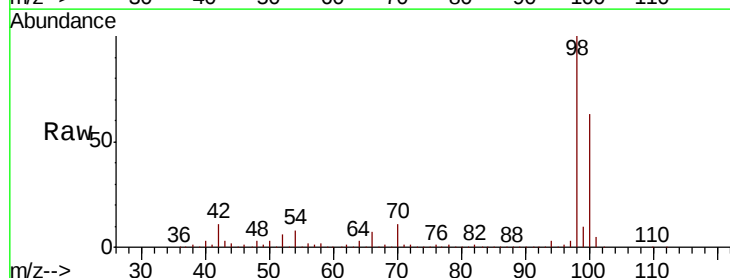
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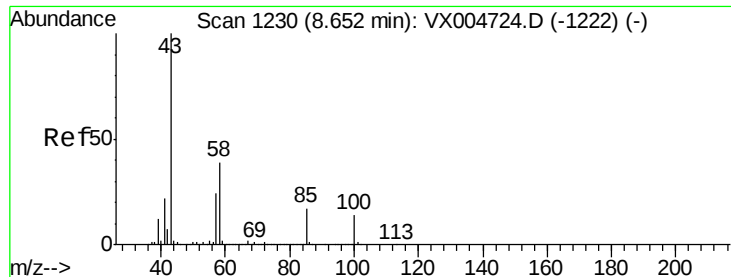
MMDadoda
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#50
Toluene-d8
Concen: 55.175 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VX004856.D
Acq: 29 Sep 2018 07:38

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.9	79.3





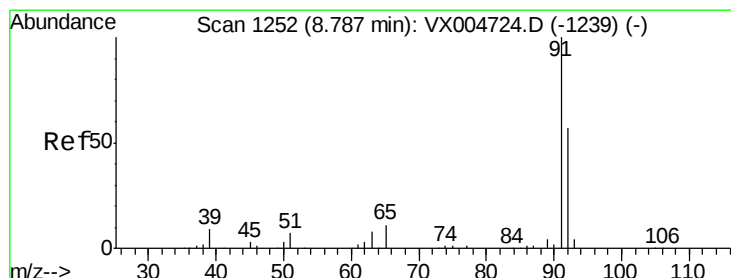
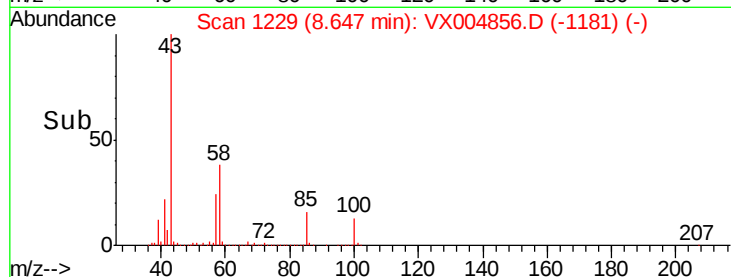
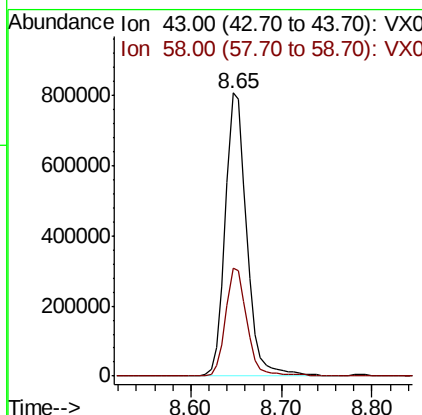
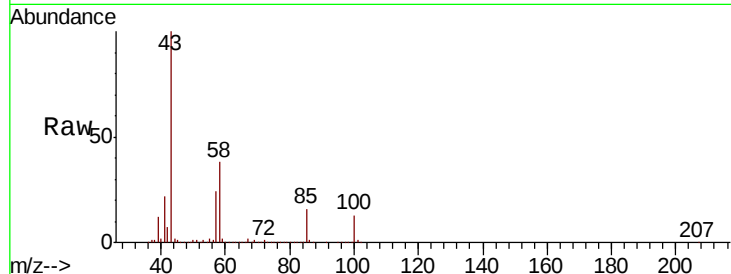
#51
4-Methyl-2-Pentanone
Concen: 284.109 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.01 min
Lab File: VX004856.D
Acq: 29 Sep 2018 07:38

Instrument :
MSVOA_X
ClientSampleId :
SA-TW505-0913MSD

Tot Ion: 43 Resp: 1335833
Ion Ratio Lower Upper
43 100
58 38.4 33.1 49.7

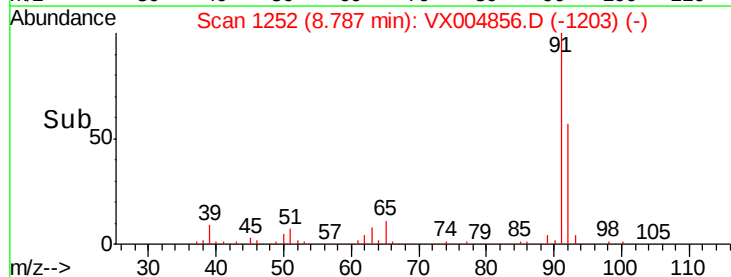
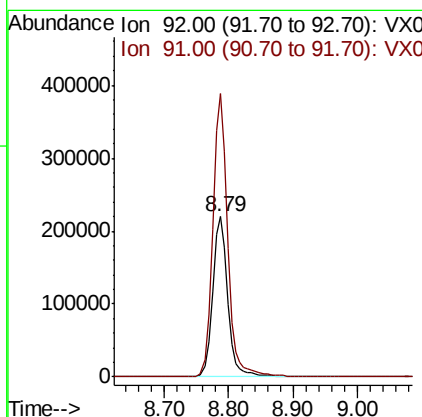
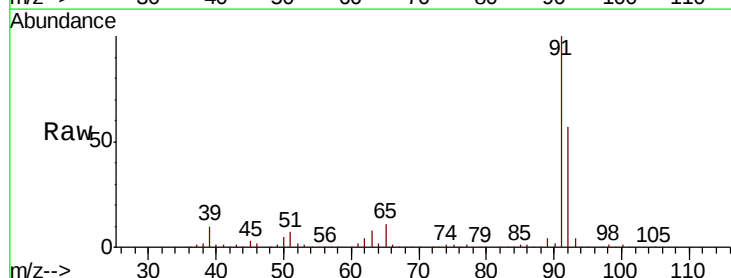
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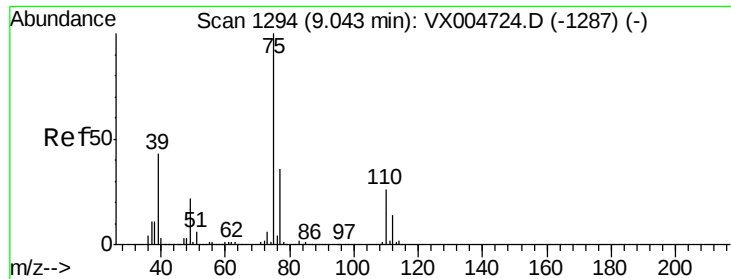
MMDadoda
10/1/2018 1:31:31 PM



#52
Toluene
Concen: 54.020 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX004856.D
Acq: 29 Sep 2018 07:38

Tgt Ion: 92 Resp: 362196
Ion Ratio Lower Upper
92 100
91 174.9 136.4 204.6





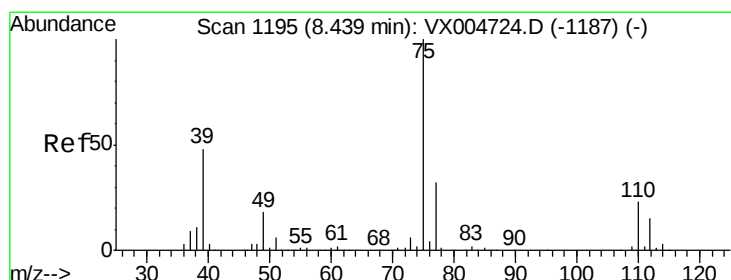
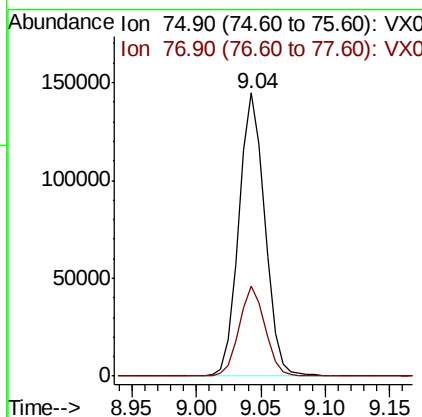
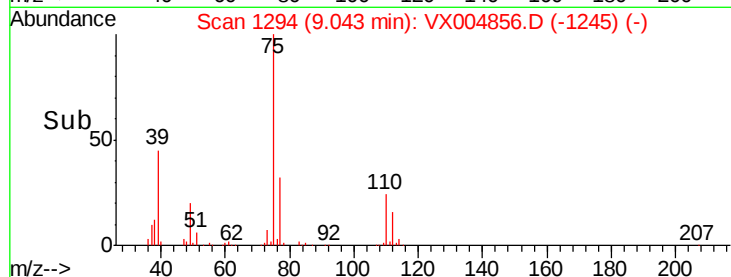
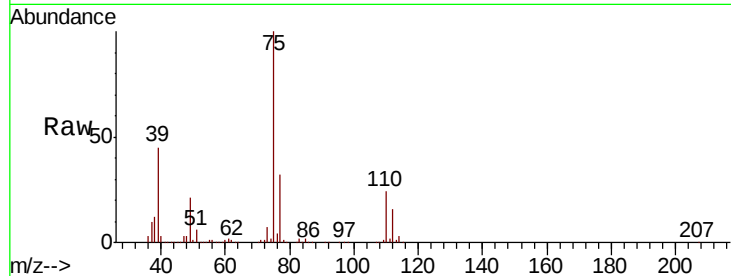
#53
t-1,3-Dichloropropene
Concen: 50.820 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX004856.D
Acq: 29 Sep 2018 07:38

Instrument :
MSVOA_X
ClientSampleId :
SA-TW505-0913MSD

Tot Ion: 75 Resp: 202205
Ion Ratio Lower Upper
75 100
77 32.0 24.6 37.0

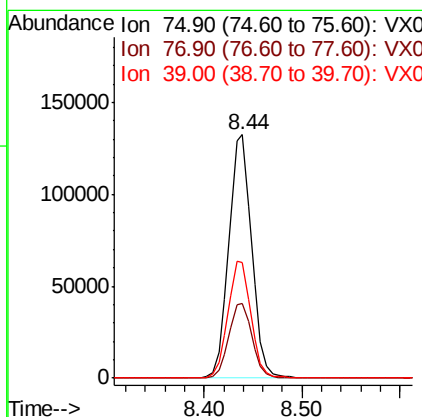
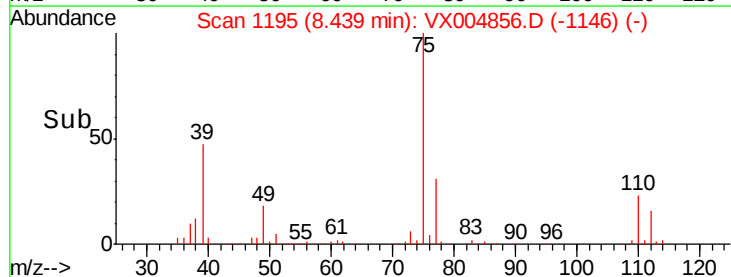
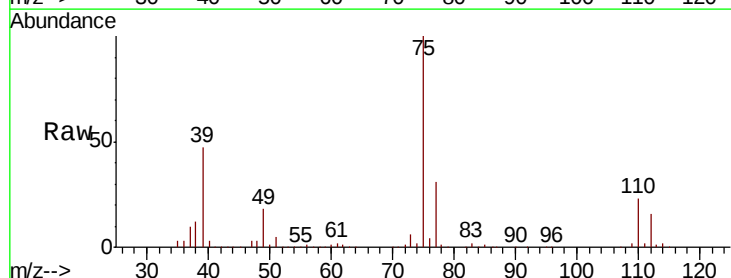
Manual Integrations
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#54
cis-1,3-Dichloropropene
Concen: 51.539 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. 0.00 min
Lab File: VX004856.D
Acq: 29 Sep 2018 07:38

Tgt Ion: 75 Resp: 214788
Ion Ratio Lower Upper
75 100
77 30.7 26.2 39.2
39 47.3 36.4 54.6





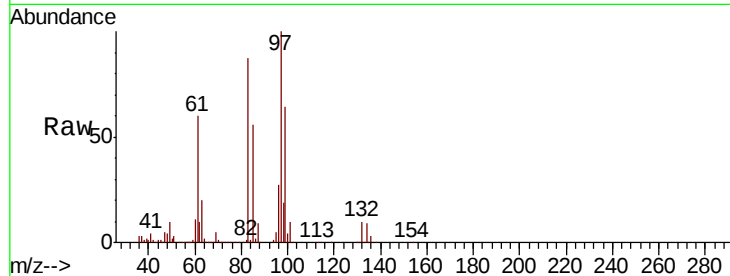
#55
 1,1,2-Trichloroethane
 Concen: 50.803 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VX004856.D
 Acq: 29 Sep 2018 07:38

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW505-0913MSD

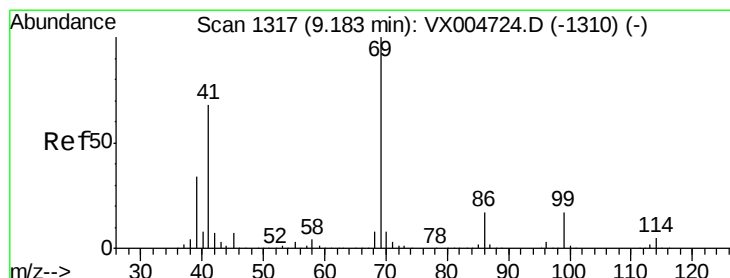
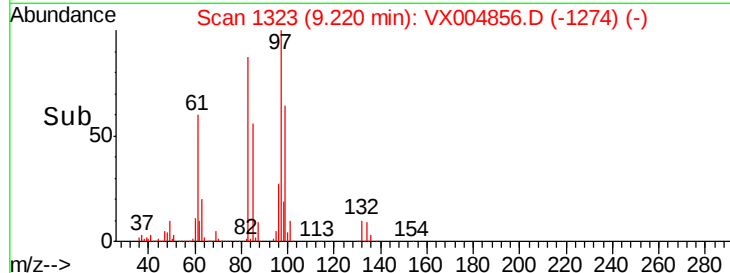
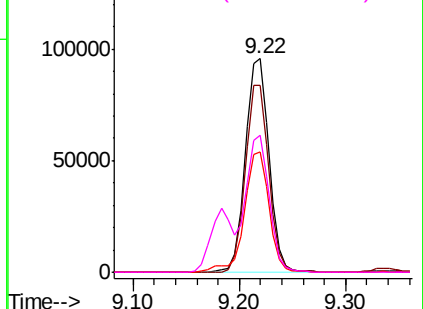
Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		149206		
83	87.4	66.4	99.6		
85	56.5	43.3	64.9		
99	64.1	49.0	73.4		

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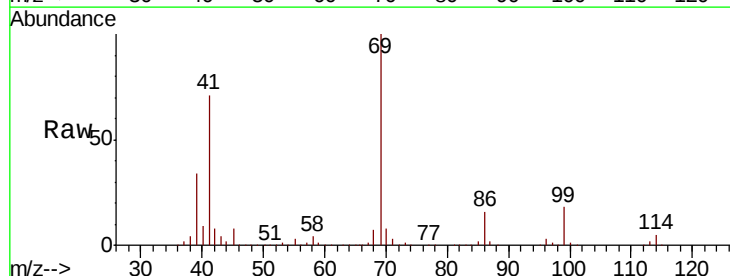


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

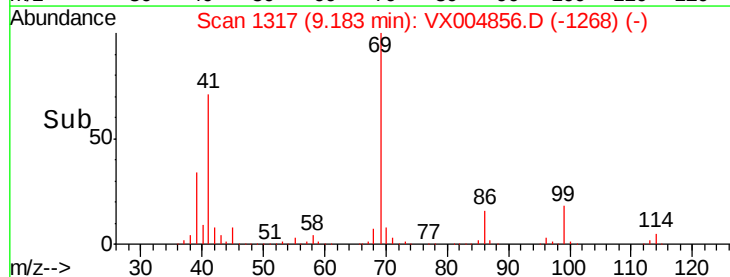
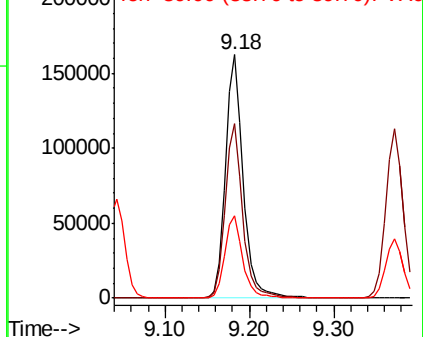


#56
 Ethyl methacrylate
 Concen: 49.117 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX004856.D
 Acq: 29 Sep 2018 07:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		233834		
41	71.1	51.0	76.4		
39	34.2	26.1	39.1		



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





#57

1,3-Dichloropropane

Concen: 52.076 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX004856.D

Acq: 29 Sep 2018 07:38

Instrument :

MSVOA_X

ClientSampleId :

SA-TW505-0913MSD

Tot Ion: 76 Resp: 254553

Ion Ratio Lower Upper

76 100

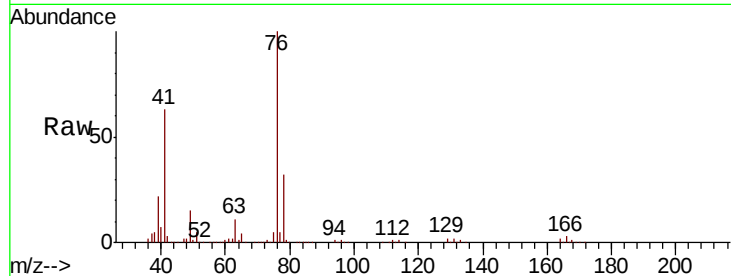
78 32.0 25.5 38.3

Manual Integrations

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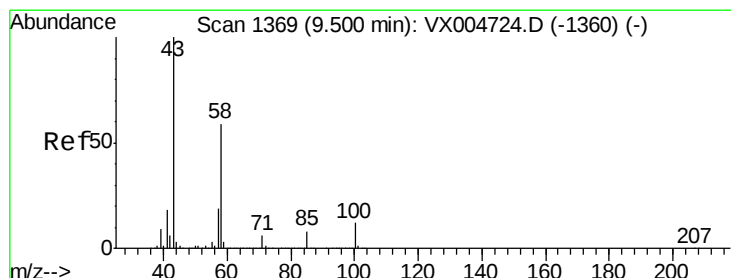
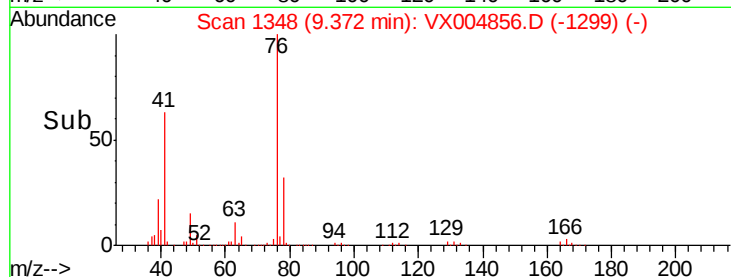
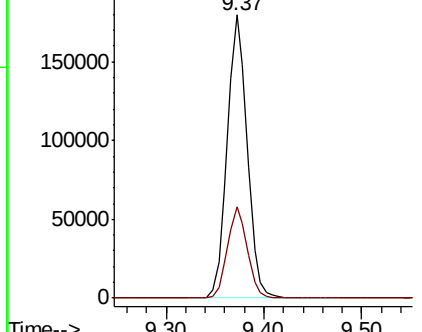
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#59

2-Hexanone

Concen: 270.298 ug/l

RT: 9.50 min Scan# 1369

Delta R.T. 0.00 min

Lab File: VX004856.D

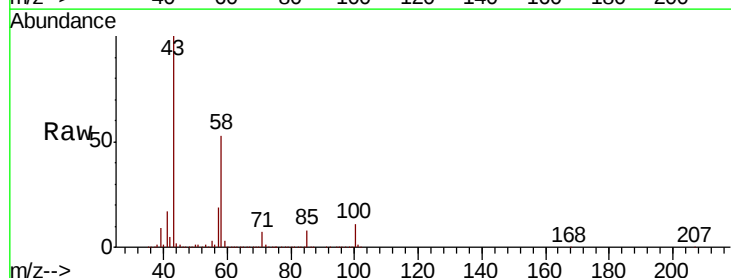
Acq: 29 Sep 2018 07:38

Tgt Ion: 43 Resp: 1059062

Ion Ratio Lower Upper

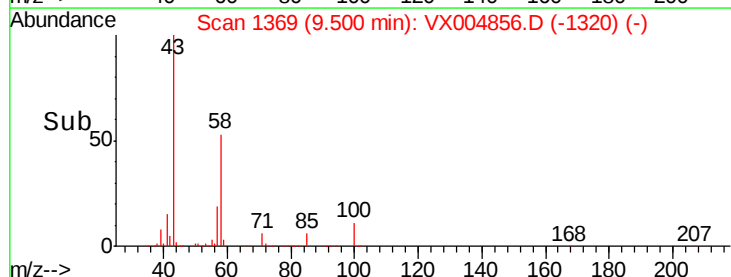
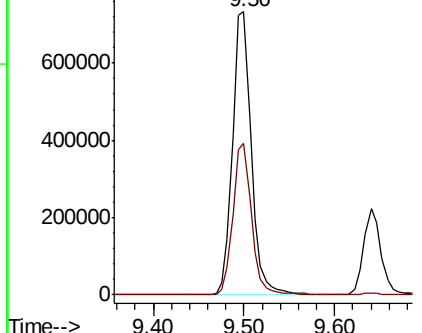
43 100

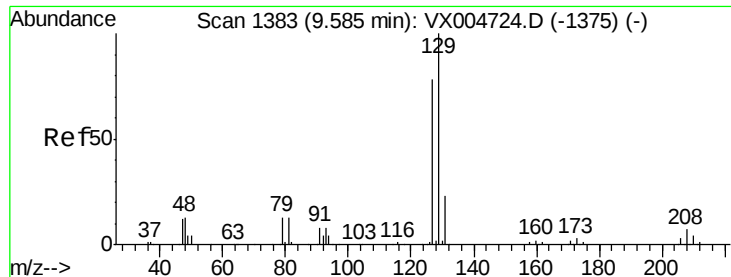
58 52.9 29.0 87.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





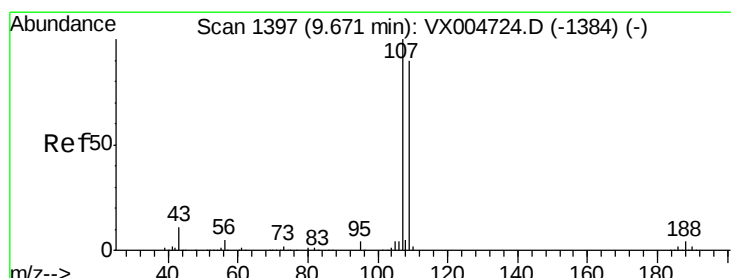
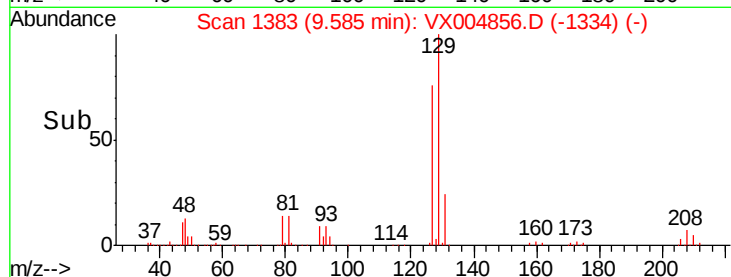
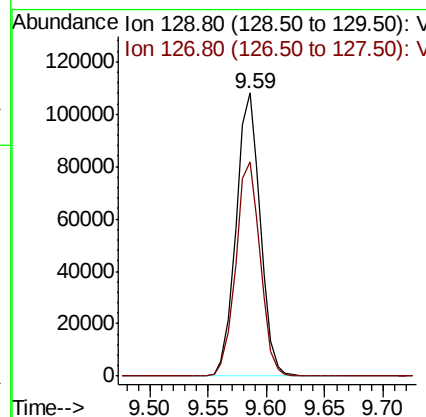
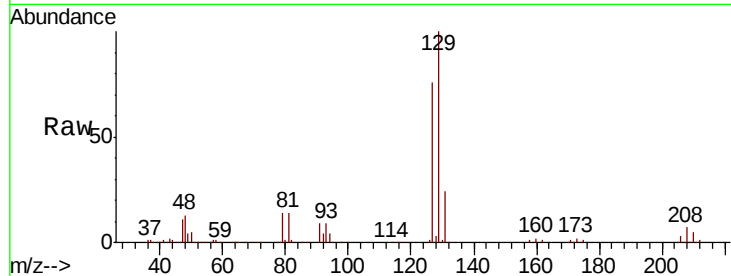
#60
Dibromochloromethane
Concen: 53.127 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX004856.D
Acq: 29 Sep 2018 07:38

Instrument :
MSVOA_X
ClientSampleId :
SA-TW505-0913MSD

Tot Ion	Ratio	Lower	Upper
129	100		
127	76.6	38.5	115.5

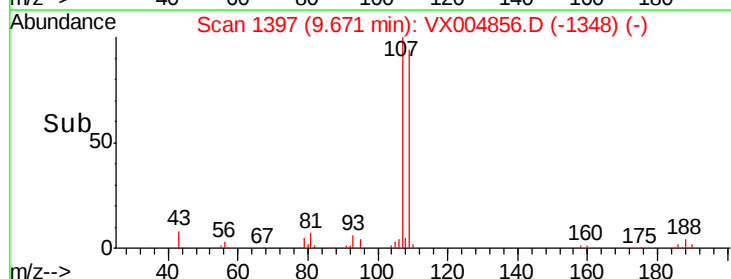
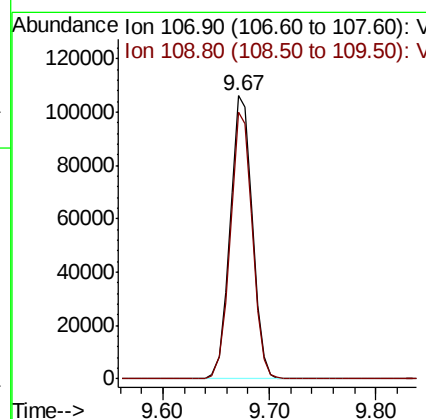
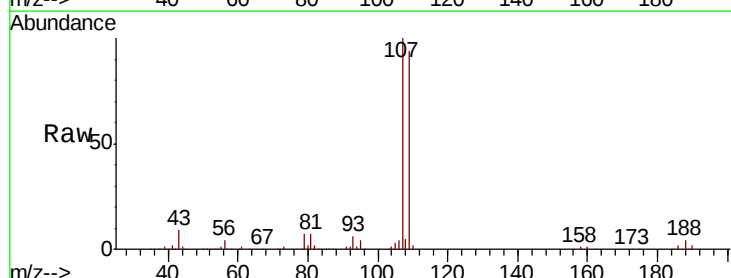
Manual Integrations
APPROVED

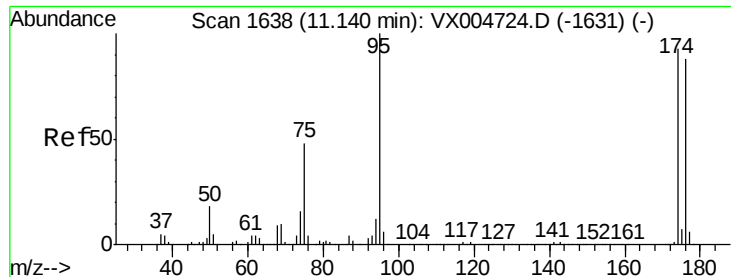
MMDadoda
10/1/2018 1:31:31 PM



#61
1,2-Dibromoethane
Concen: 49.408 ug/l
RT: 9.67 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VX004856.D
Acq: 29 Sep 2018 07:38

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.7	76.0	114.0





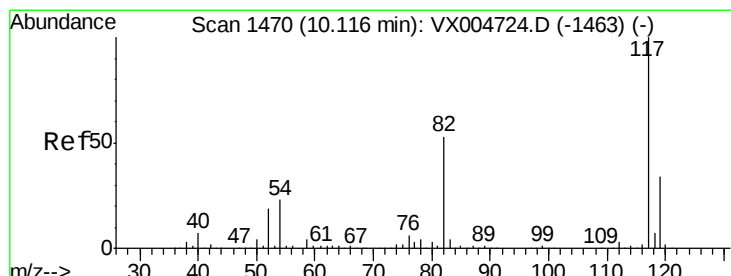
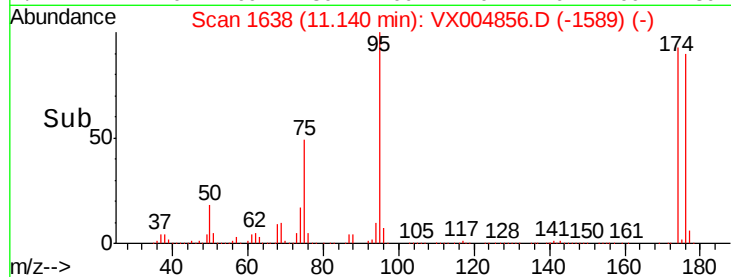
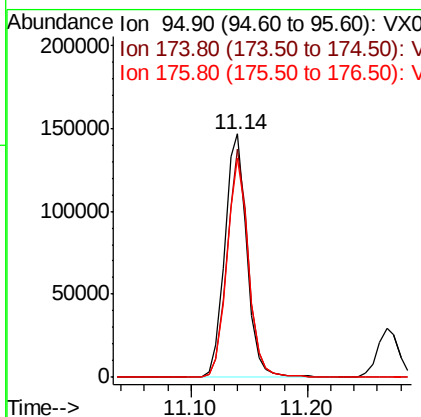
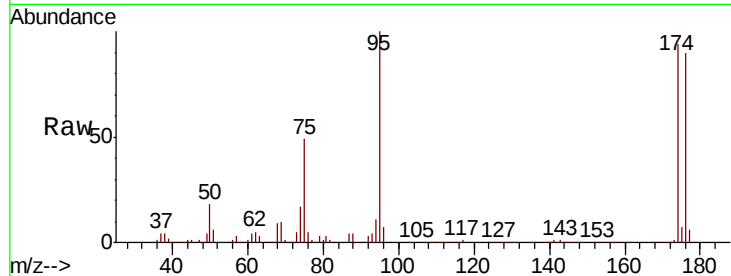
#62
4-Bromofluorobenzene
Concen: 56.104 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX004856.D
Acq: 29 Sep 2018 07:38

Instrument :
MSVOA_X
ClientSampleId :
SA-TW505-0913MSD

Tot Ion	Ratio	Resp	Lower	Upper
95	100	191953		
174	90.6	0.0	185.2	
176	88.3	0.0	178.6	

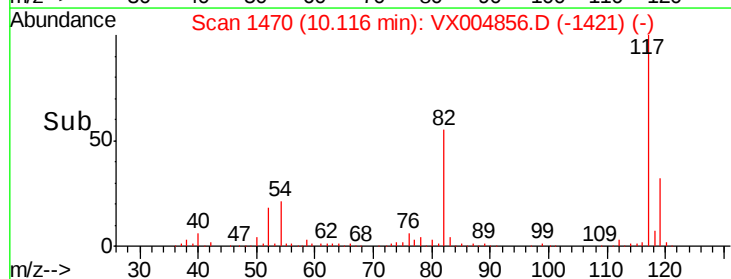
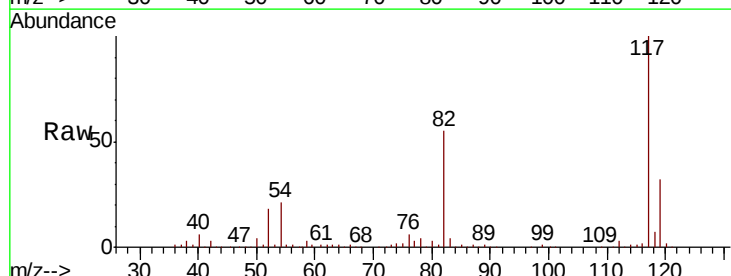
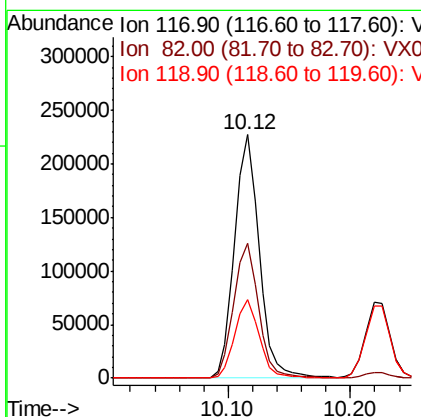
Manual Integrations
APPROVED

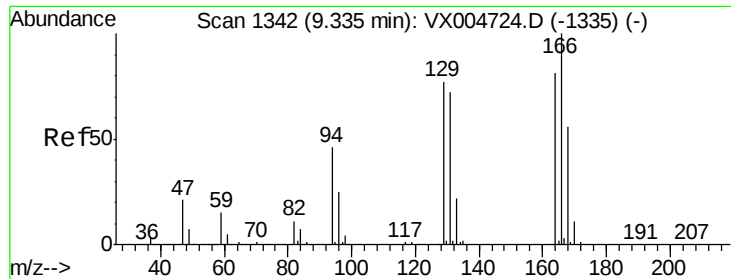
MMDadoda
10/1/2018 1:31:31 PM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004856.D
Acq: 29 Sep 2018 07:38

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	318773		
82	55.3	47.8	71.6	
119	32.4	29.3	43.9	





#64

Tetrachloroethene

Concen: 46.147 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX004856.D

Acq: 29 Sep 2018 07:38

Instrument :

MSVOA_X

ClientSampleId :

SA-TW505-0913MSD

Tot Ion:164 Resp: 144783

Ion Ratio Lower Upper

164 100

166 124.6 102.8 154.2

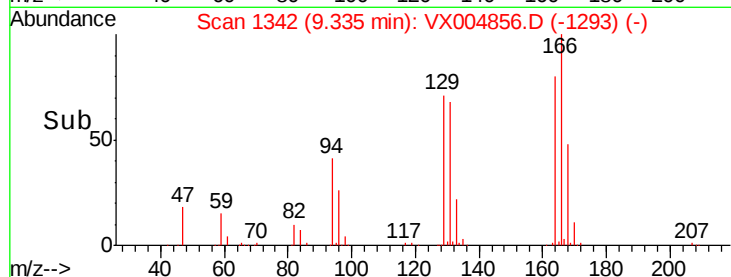
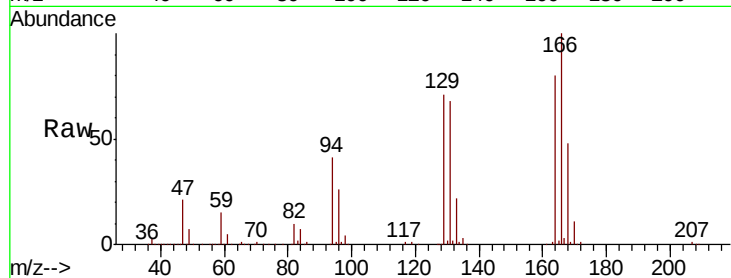
129 88.9 69.4 104.0

131 85.0 67.9 101.9

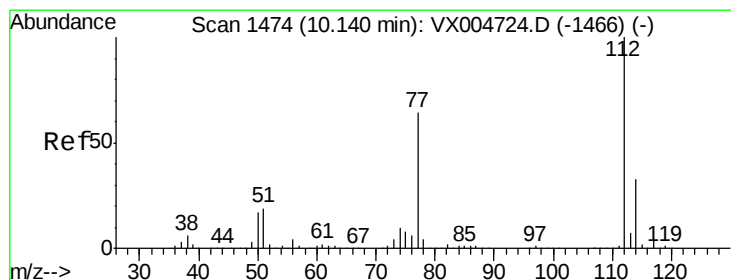
Manual Integrations
APPROVED

MMDadoda

10/1/2018 1:31:31 PM



Time-->



#65

Chlorobenzene

Concen: 49.363 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX004856.D

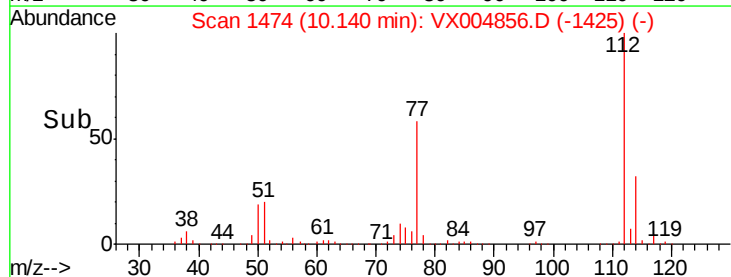
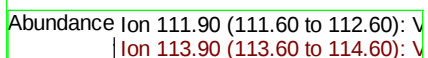
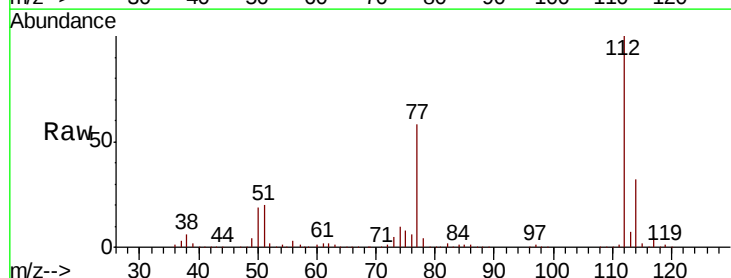
Acq: 29 Sep 2018 07:38

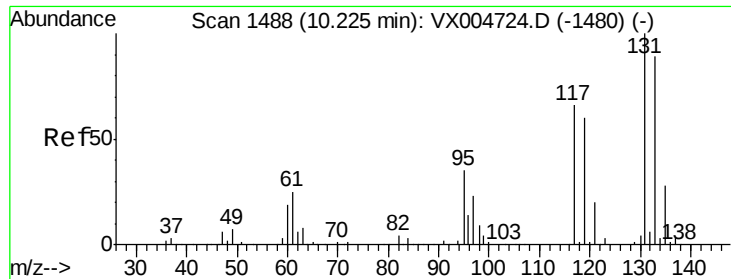
Tgt Ion:112 Resp: 403507

Ion Ratio Lower Upper

112 100

114 32.2 27.8 41.8





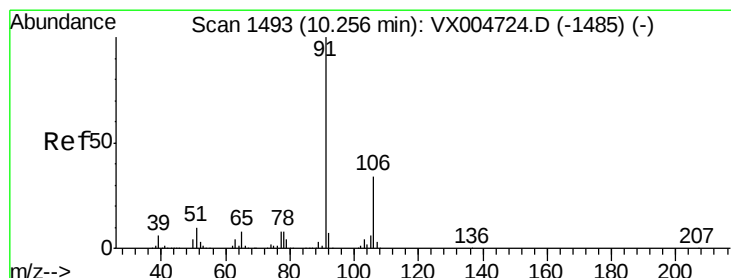
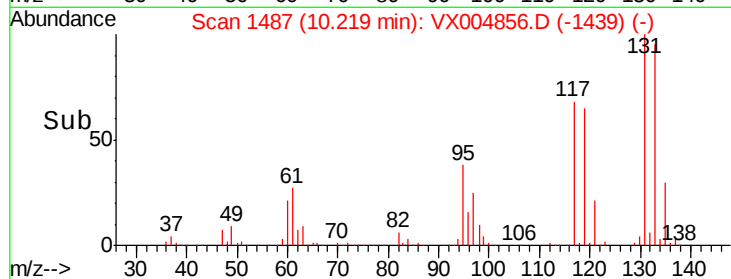
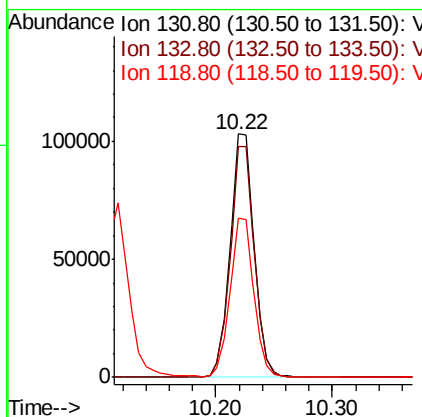
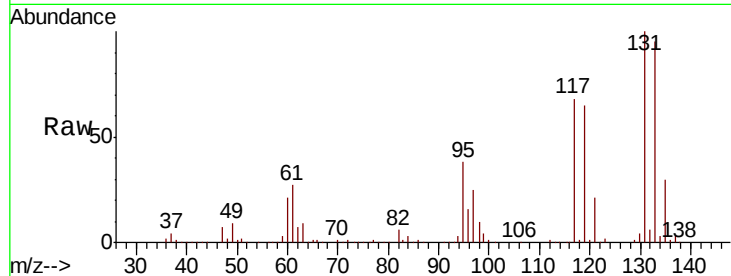
#66
 1,1,1,2-Tetrachloroethane
 Concen: 51.411 ug/l
 RT: 10.22 min Scan# 1487
 Delta R.T. -0.01 min
 Lab File: VX004856.D
 Acq: 29 Sep 2018 07:38

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW505-0913MSD

Tot Ion	Ratio	Resp	Lower	Upper
131	100	147740		
133	94.9	48.1	144.4	
119	65.1	32.9	98.6	

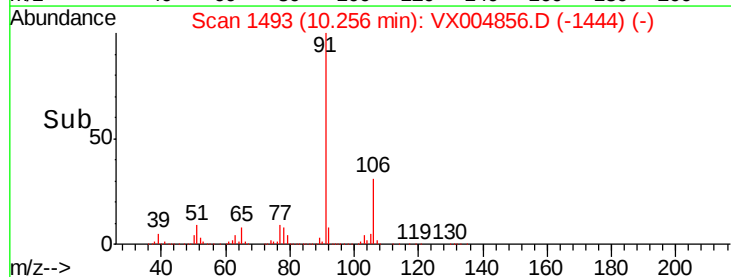
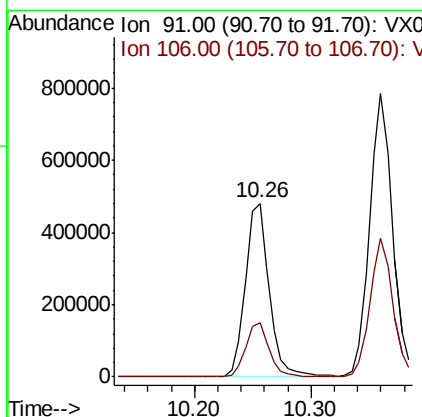
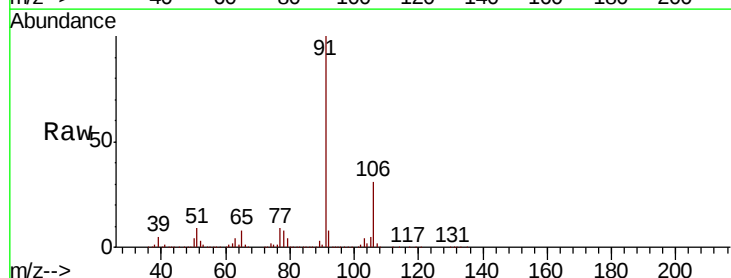
Manual Integrations
 APPROVED

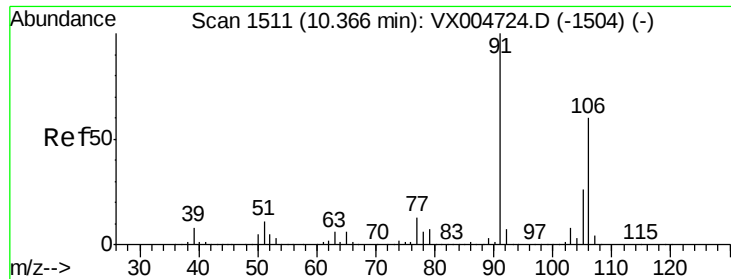
MMDadoda
 10/1/2018 1:31:31 PM



#67
 Ethyl Benzene
 Concen: 53.098 ug/l
 RT: 10.26 min Scan# 1493
 Delta R.T. 0.00 min
 Lab File: VX004856.D
 Acq: 29 Sep 2018 07:38

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	689083		
106	31.3	25.9	38.9	





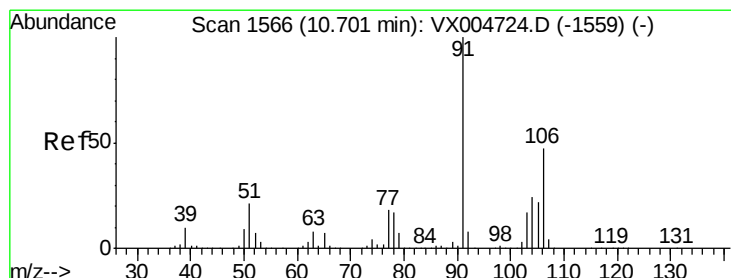
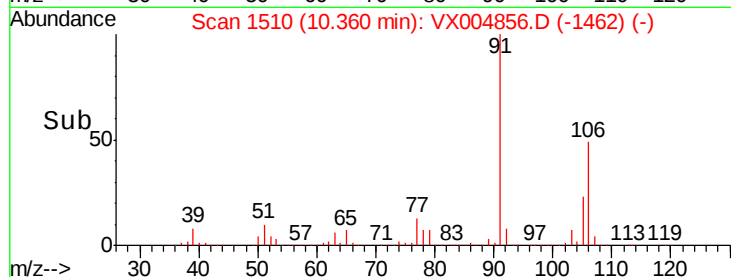
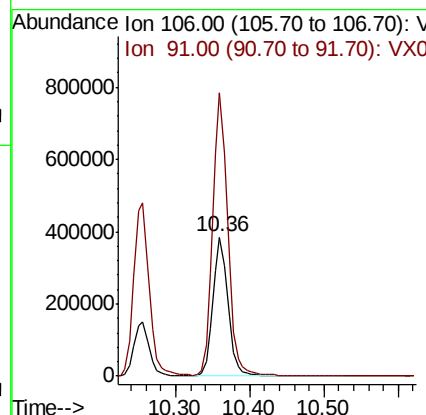
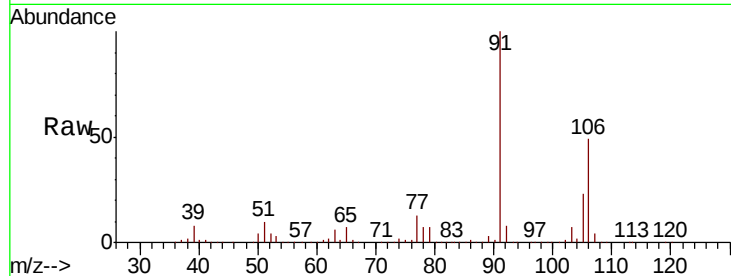
#68
m/p-Xvlenes
Concen: 105.726 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.01 min
Lab File: VX004856.D
Acq: 29 Sep 2018 07:38

Instrument :
MSVOA_X
ClientSampleId :
SA-TW505-0913MSD

Tot Ion:106 Resp: 536165
Ion Ratio Lower Upper
106 100
91 204.8 157.1 235.7

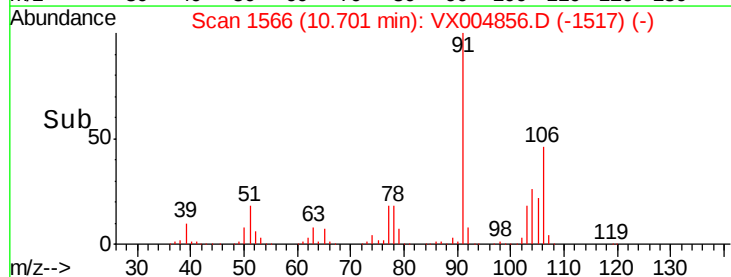
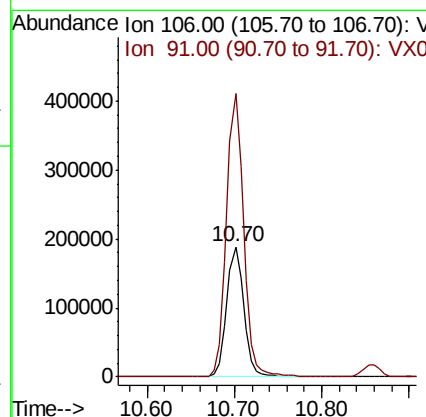
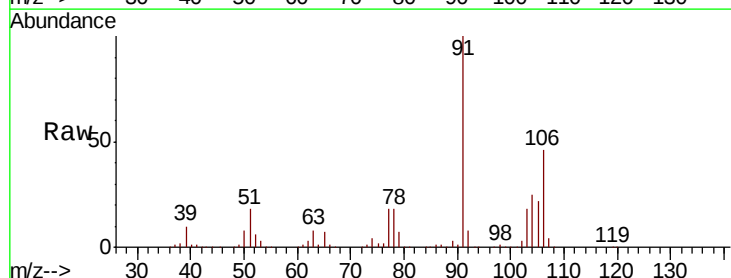
Manual Integrations
APPROVED

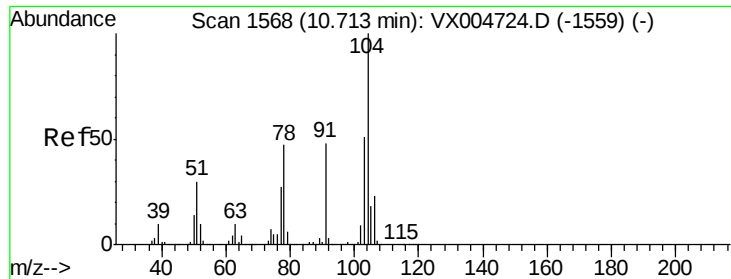
MMDadoda
10/1/2018 1:31:31 PM



#69
o-Xylene
Concen: 55.104 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX004856.D
Acq: 29 Sep 2018 07:38

Tgt Ion:106 Resp: 256671
Ion Ratio Lower Upper
106 100
91 216.8 105.1 315.1





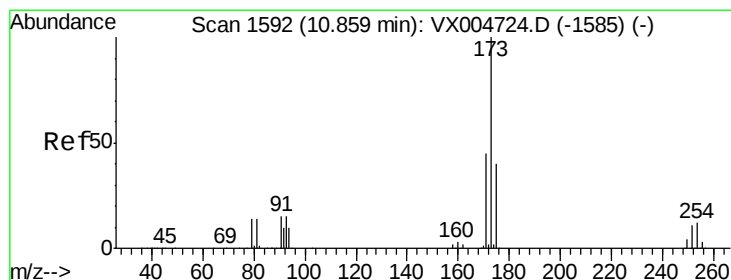
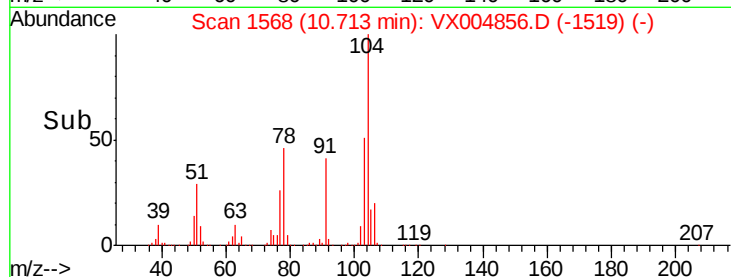
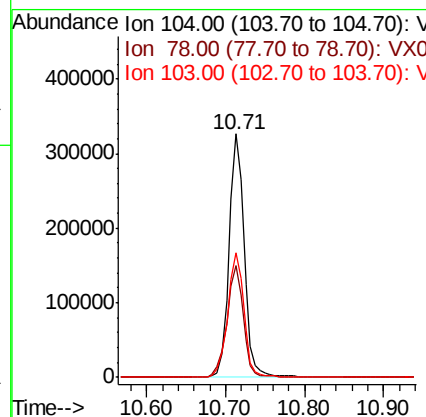
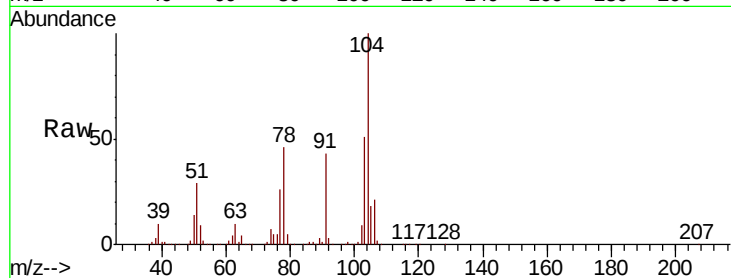
#70
Stvrene
Concen: 49.880 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX004856.D
Acq: 29 Sep 2018 07:38

Instrument :
MSVOA_X
ClientSampleId :
SA-TW505-0913MSD

Tot Ion	Ratio	Lower	Upper
104	100		
78	50.2	37.4	56.0
103	55.6	43.8	65.6

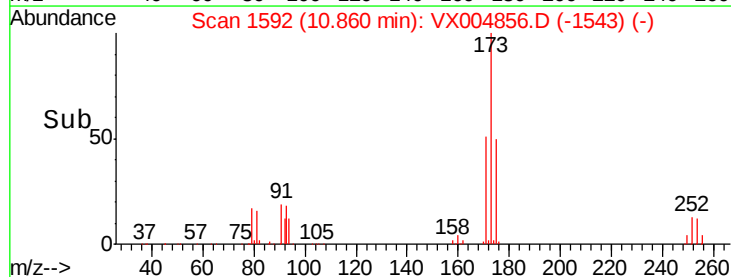
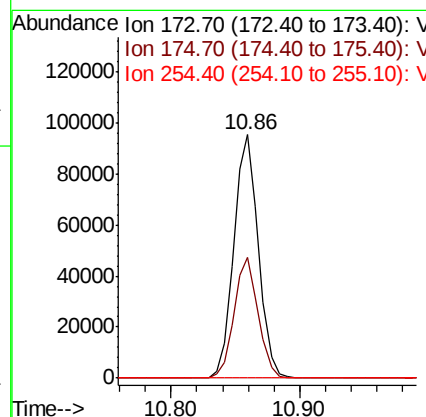
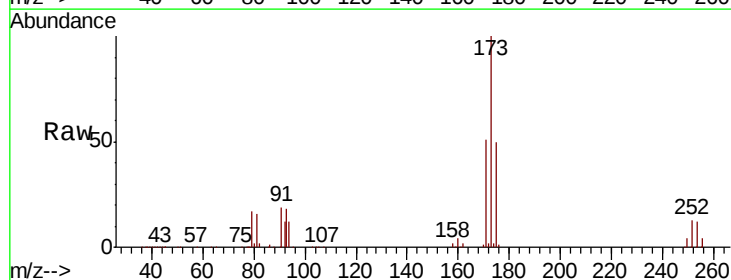
Manual Integrations
APPROVED

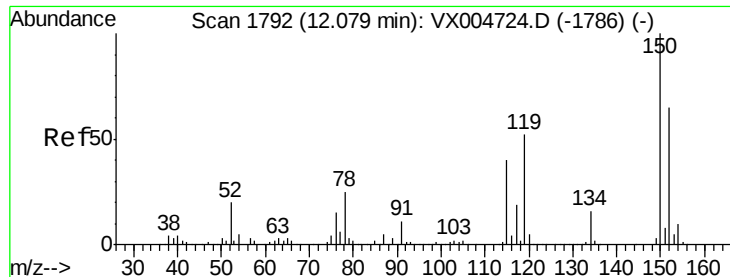
MMDadoda
10/1/2018 1:31:31 PM



#71
Bromoform
Concen: 51.511 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VX004856.D
Acq: 29 Sep 2018 07:38

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.1	72.3
254	0.1	0.2	0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX004856.D

Acq: 29 Sep 2018 07:38

Instrument :

MSVOA_X

ClientSampleId :

SA-TW505-0913MSD

Tot Ion:152 Resp: 193389

Ion Ratio Lower Upper

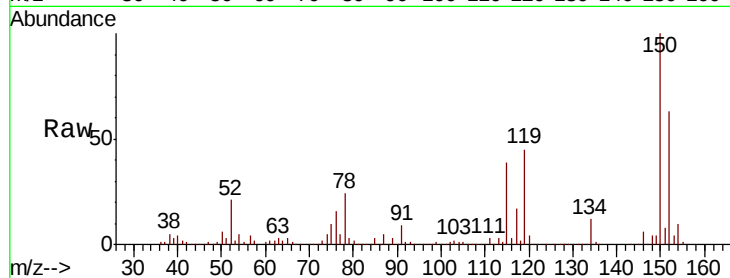
152 100

115 79.9 39.0 117.0

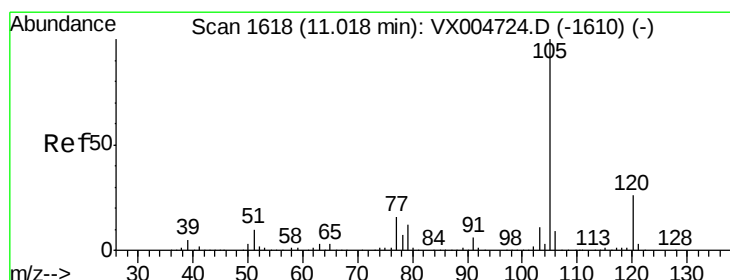
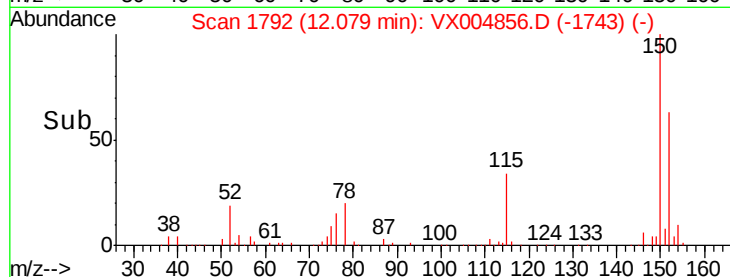
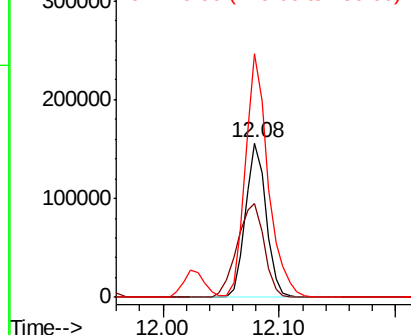
150 174.2 0.0 351.0

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



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



#73

Isopropylbenzene

Concen: 56.664 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX004856.D

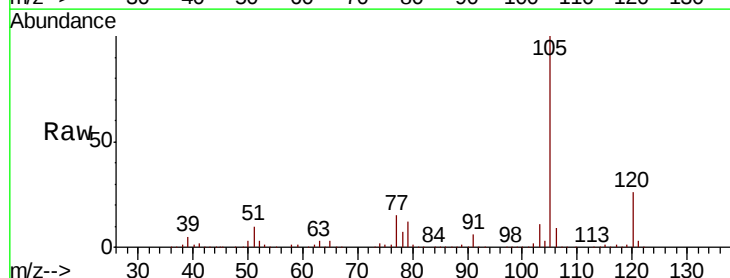
Acq: 29 Sep 2018 07:38

Tgt Ion:105 Resp: 690704

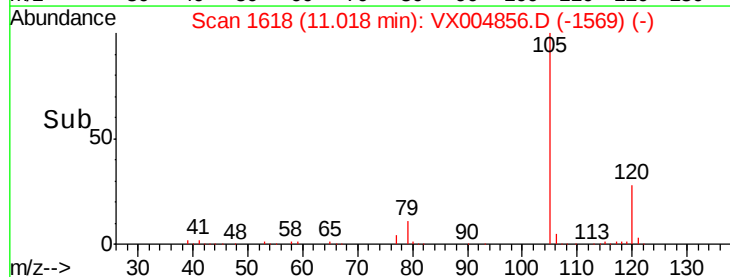
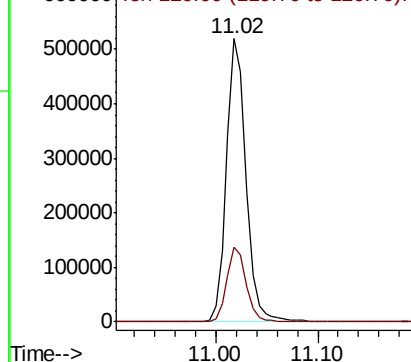
Ion Ratio Lower Upper

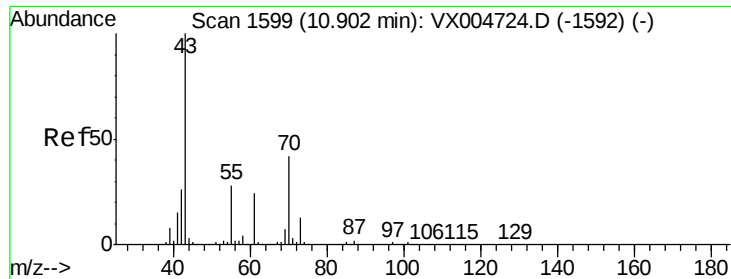
105 100

120 26.4 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 43.935 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.01 min

Lab File: VX004856.D

Acq: 29 Sep 2018 07:38

Instrument :

MSVOA_X

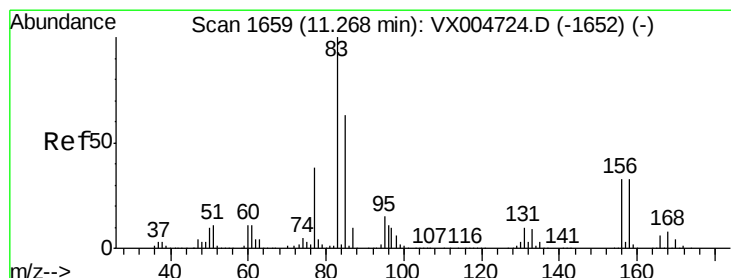
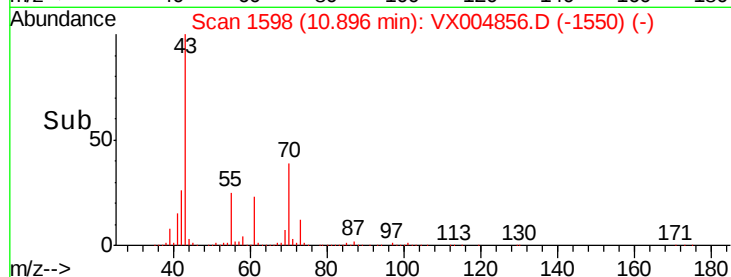
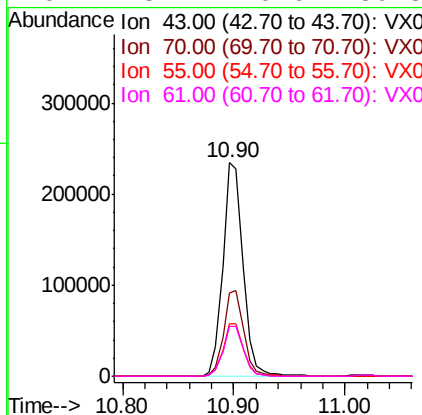
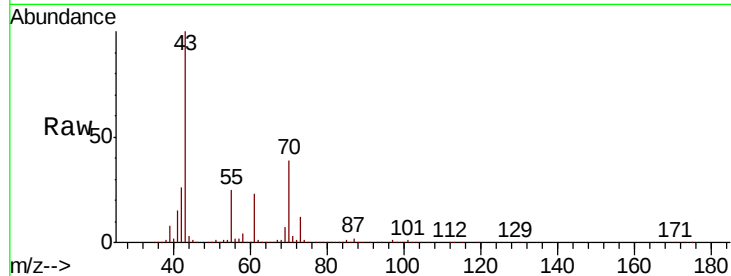
ClientSampleId :

SA-TW505-0913MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		292890		
70	40.2	37.4	56.0		
55	25.3	21.8	32.8		
61	23.7	20.6	30.8		

Manual Integrations
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#75

1,1,2,2-Tetrachloroethane

Concen: 49.868 ug/l

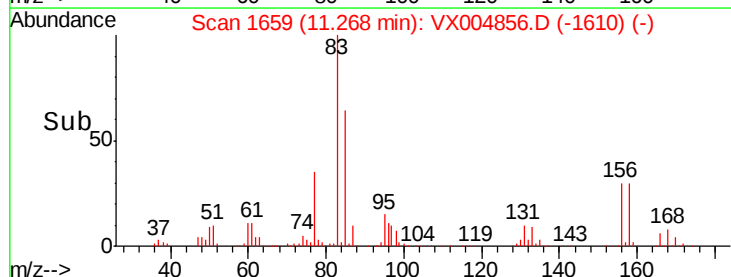
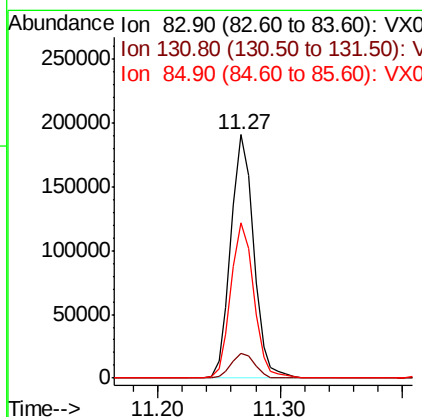
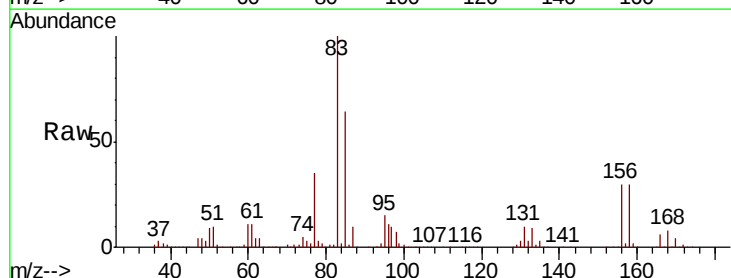
RT: 11.27 min Scan# 1659

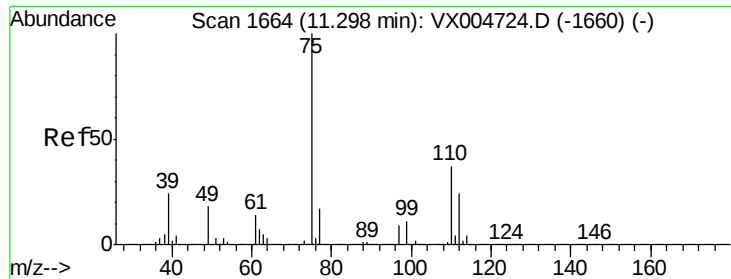
Delta R.T. 0.00 min

Lab File: VX004856.D

Acq: 29 Sep 2018 07:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		247445		
131	10.4	5.2	15.6		
85	64.3	32.3	96.8		





#76

1,2,3-Trichloropropane

Concen: 52.008 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX004856.D

Acq: 29 Sep 2018 07:38

Instrument :

MSVOA_X

ClientSampleId :

SA-TW505-0913MSD

Tot Ion: 75 Resp: 225431

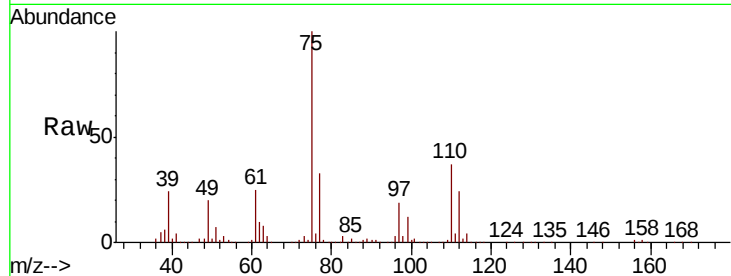
Ion Ratio Lower Upper

75 100

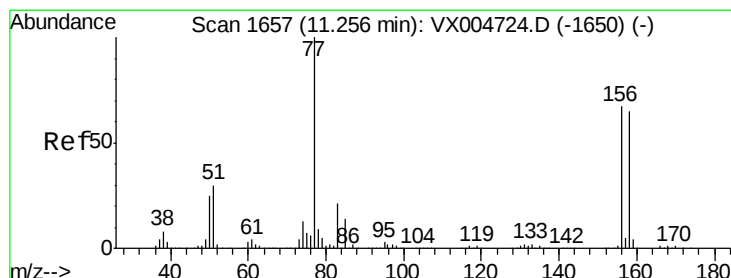
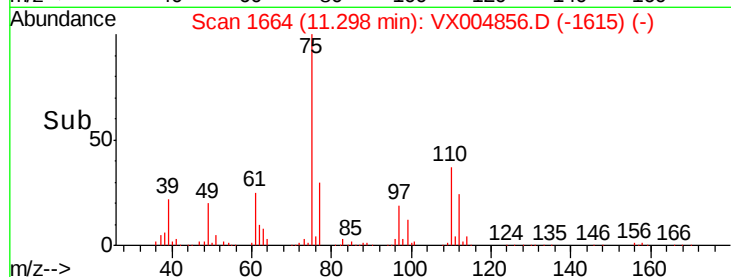
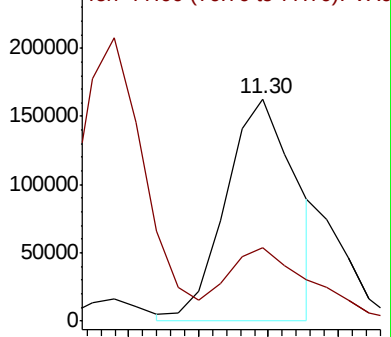
77 40.0 20.2 60.6

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



Abundance Ion 74.90 (74.60 to 75.60): VX004724.D (-1660) (-)



#77

Bromobenzene

Concen: 52.752 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX004856.D

Acq: 29 Sep 2018 07:38

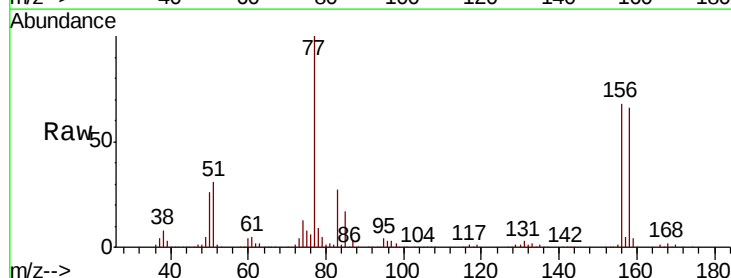
Tgt Ion: 156 Resp: 186770

Ion Ratio Lower Upper

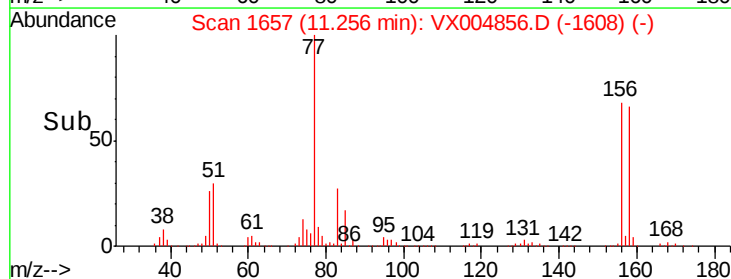
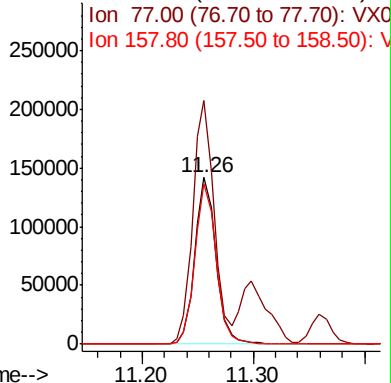
156 100

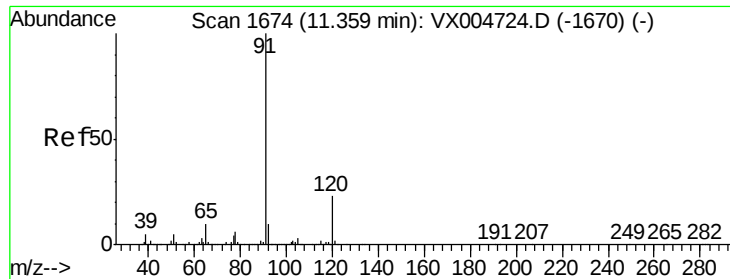
77 146.9 71.5 214.3

158 96.8 48.9 146.8



Abundance Ion 155.80 (155.50 to 156.50): VX004724.D (-1650) (-)





#78

n-propylbenzene

Concen: 56.469 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX004856.D

Acq: 29 Sep 2018 07:38

Instrument :

MSVOA_X

ClientSampleId :

SA-TW505-0913MSD

Tot Ion: 91 Resp: 789782

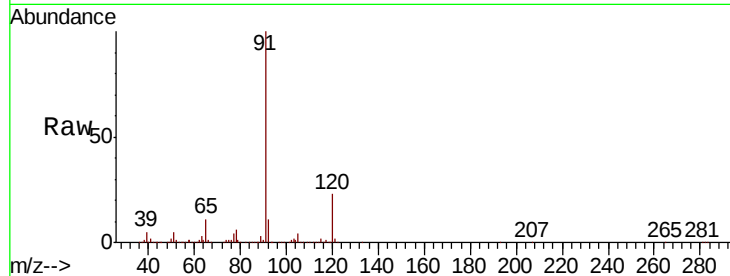
Ion Ratio Lower Upper

91 100

120 23.6 11.9 35.9

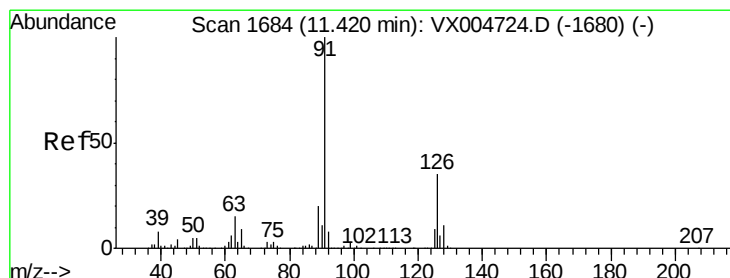
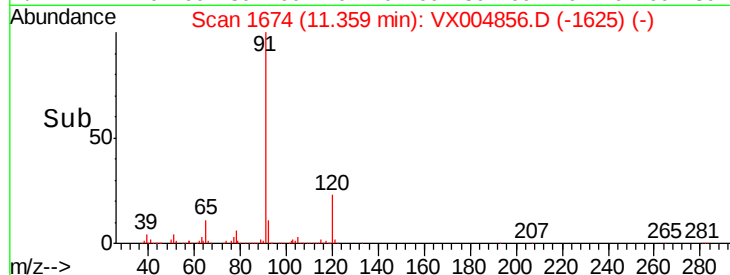
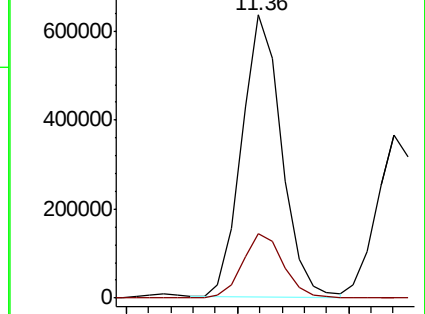
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VX004724.D (-1670) (-)

Ion 120.00 (119.70 to 120.70): VX004724.D (-1670) (-)



#79

2-Chlorotoluene

Concen: 54.223 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX004856.D

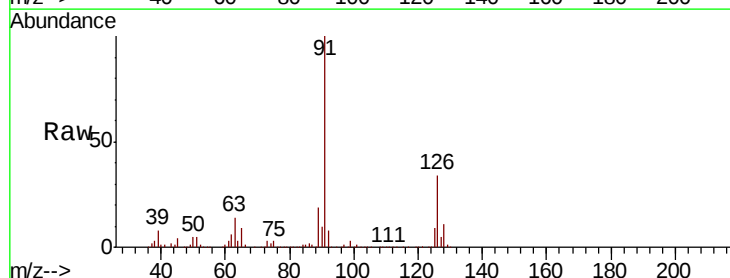
Acq: 29 Sep 2018 07:38

Tgt Ion: 91 Resp: 472700

Ion Ratio Lower Upper

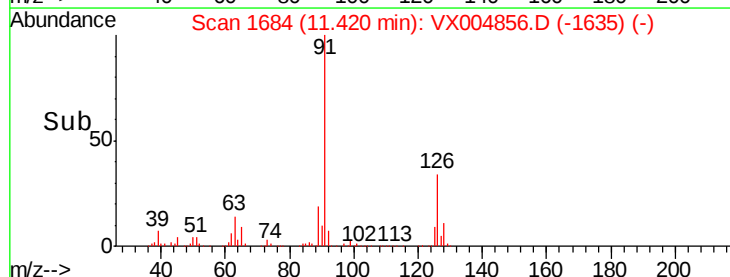
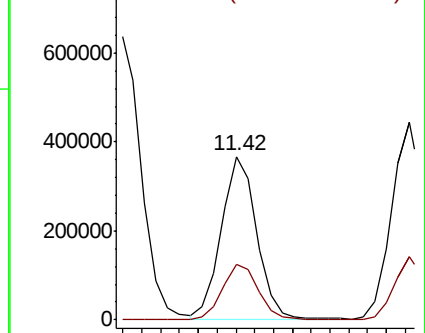
91 100

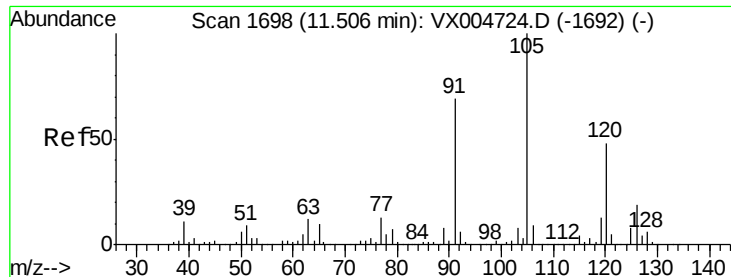
126 35.1 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VX004724.D (-1680) (-)

Ion 125.90 (125.60 to 126.60): VX004724.D (-1680) (-)





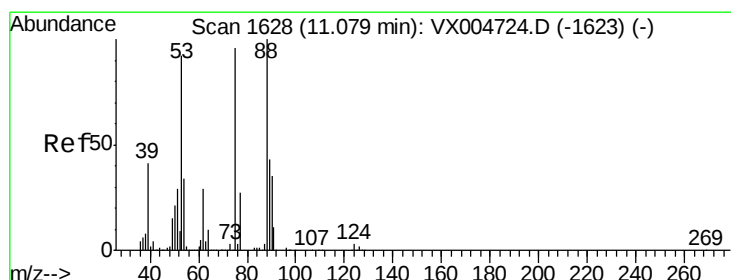
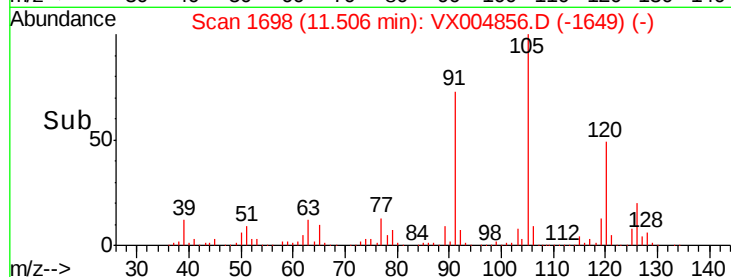
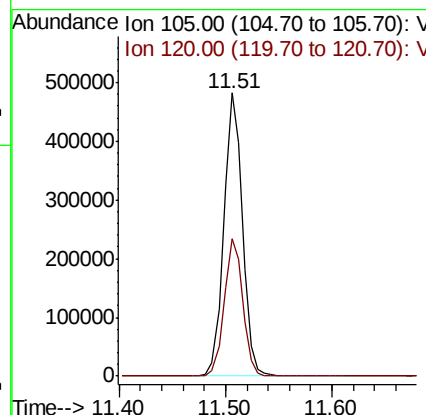
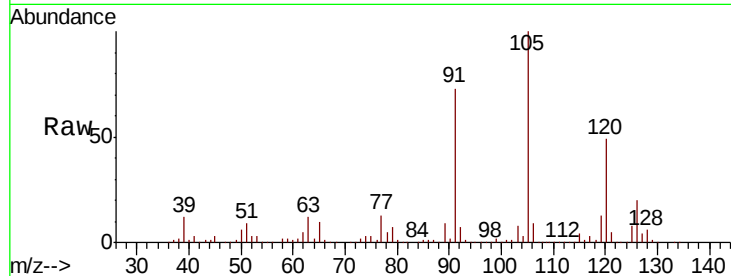
#80
 1,3,5-Trimethylbenzene
 Concen: 52.356 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX004856.D
 Acq: 29 Sep 2018 07:38

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW505-0913MSD

Tot Ion:105 Resp: 584828
 Ion Ratio Lower Upper
 105 100
 120 48.8 25.6 76.8

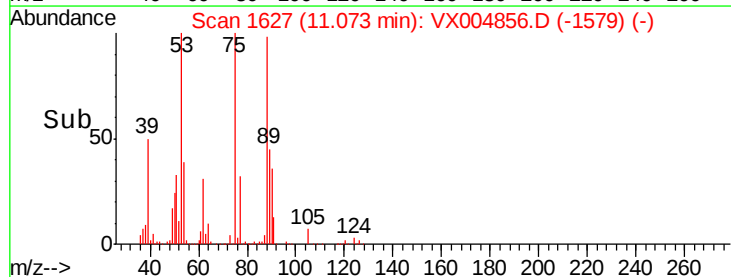
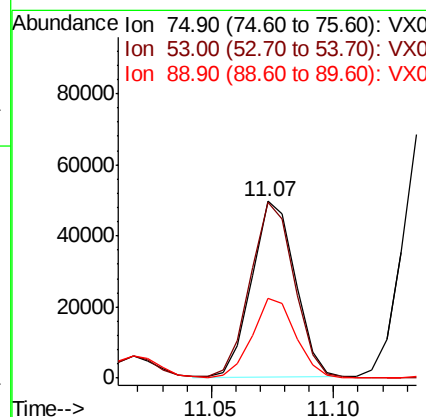
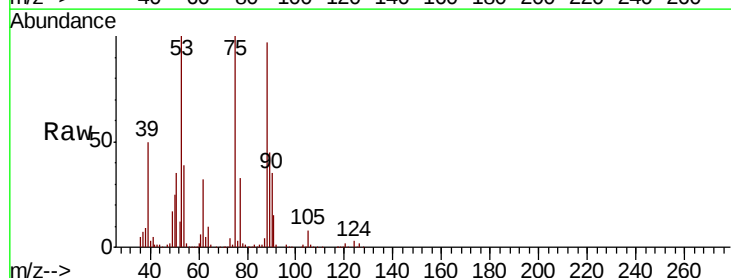
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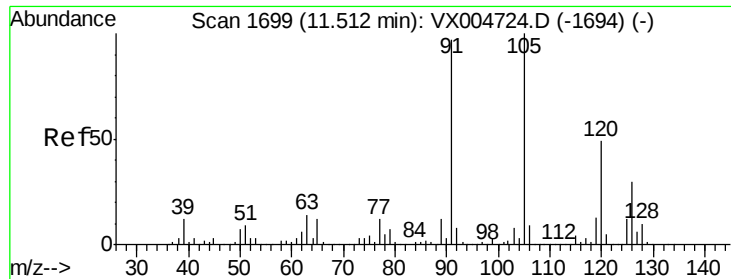
MMDadoda
 10/1/2018 1:31:31 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 39.189 ug/l
 RT: 11.07 min Scan# 1627
 Delta R.T. -0.01 min
 Lab File: VX004856.D
 Acq: 29 Sep 2018 07:38

Tgt Ion: 75 Resp: 61570
 Ion Ratio Lower Upper
 75 100
 53 100.6 80.1 120.1
 89 45.5 37.2 55.8





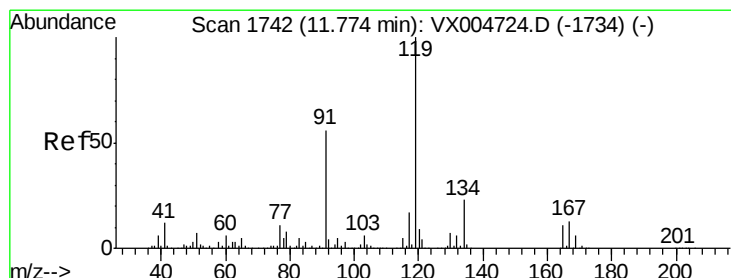
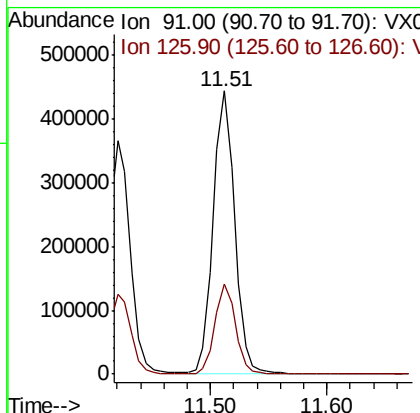
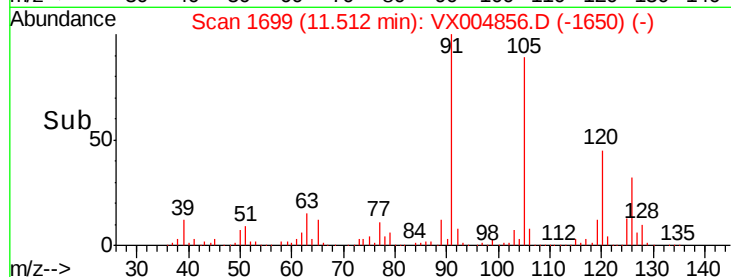
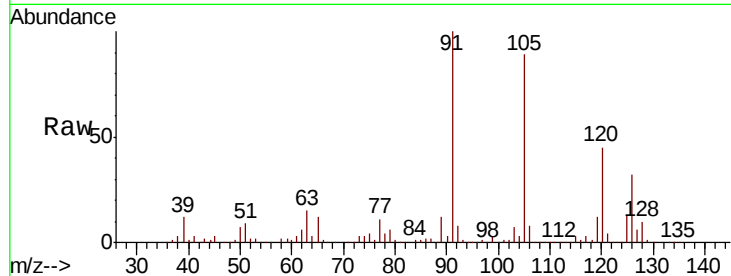
#82
4-Chlorotoluene
Concen: 54.842 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX004856.D
Acq: 29 Sep 2018 07:38

Instrument :
MSVOA_X
ClientSampleId :
SA-TW505-0913MSD

Tot Ion: 91 Resp: 562747
Ion Ratio Lower Upper
91 100
126 30.8 15.5 46.5

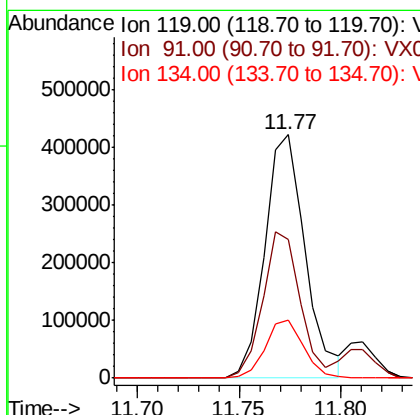
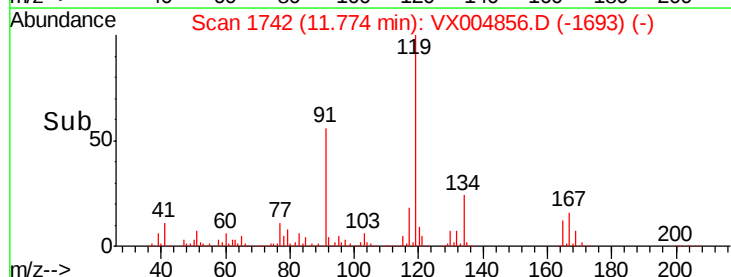
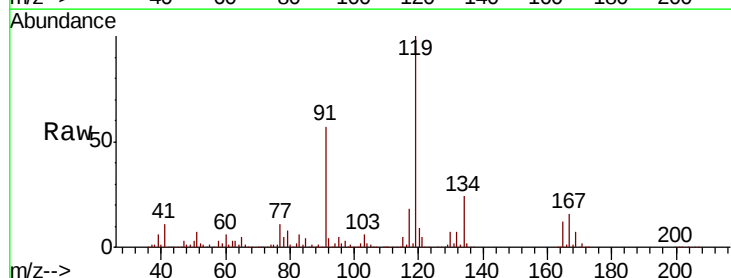
Manual Integrations
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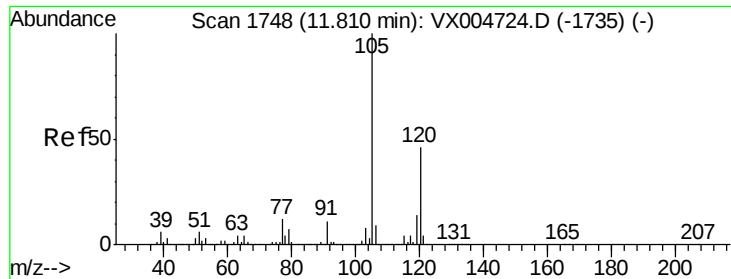
MMDadoda
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#83
tert-Butylbenzene
Concen: 57.940 ug/l
RT: 11.77 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX004856.D
Acq: 29 Sep 2018 07:38

Tgt Ion: 119 Resp: 581485
Ion Ratio Lower Upper
119 100
91 55.6 27.0 81.0
134 22.8 11.7 35.1





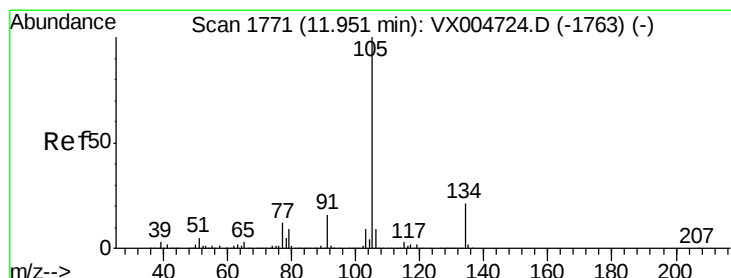
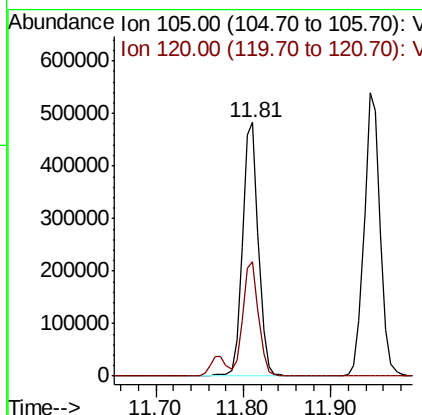
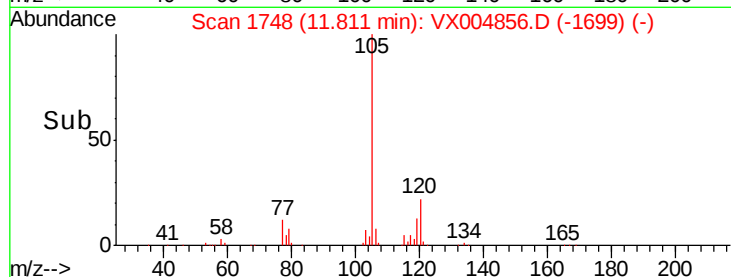
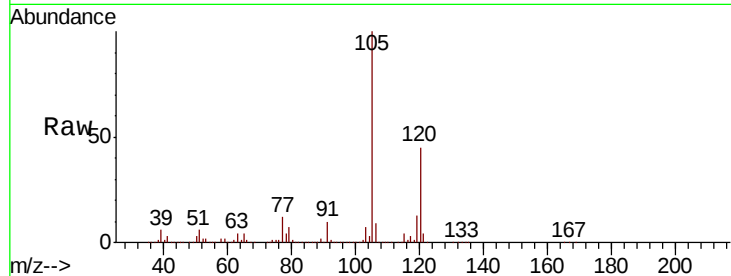
#84
 1,2,4-Trimethylbenzene
 Concen: 53.033 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.00 min
 Lab File: VX004856.D
 Acq: 29 Sep 2018 07:38

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW505-0913MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	44.5	23.2	69.6

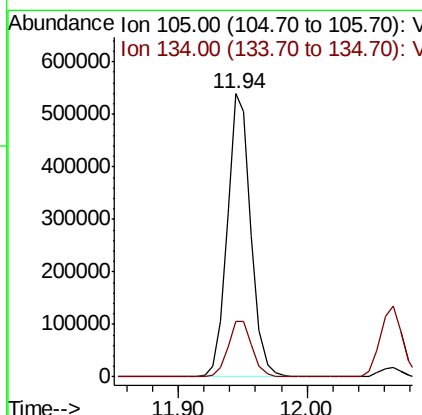
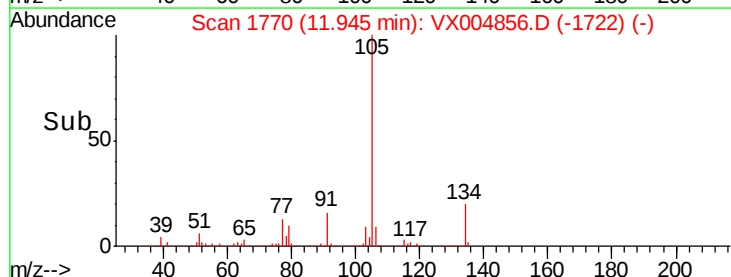
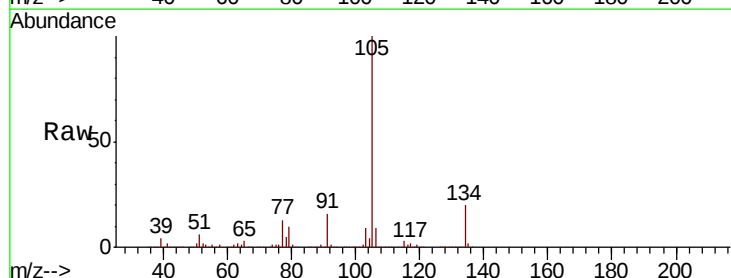
Manual Integrations
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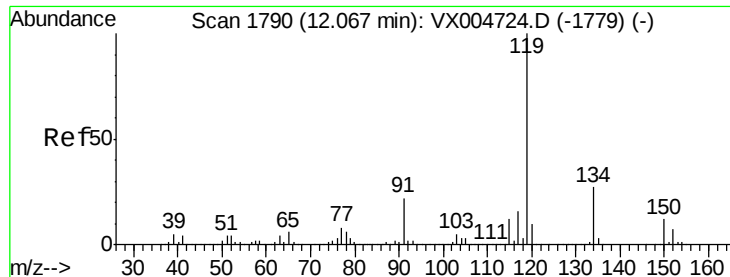
MMDadoda
 10/1/2018 1:31:31 PM



#85
 sec-Butylbenzene
 Concen: 56.248 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.01 min
 Lab File: VX004856.D
 Acq: 29 Sep 2018 07:38

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.5	31.5





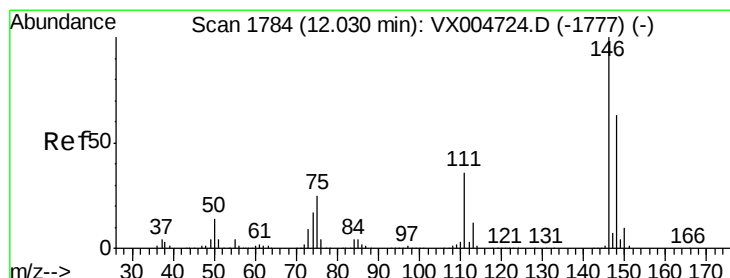
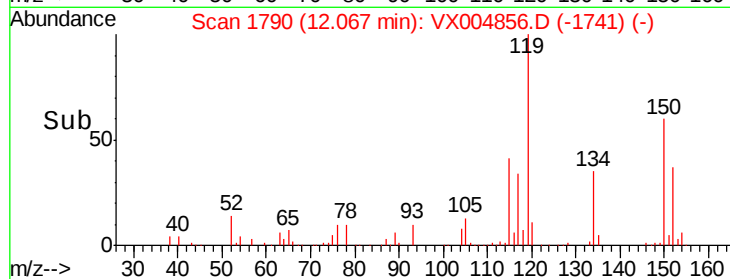
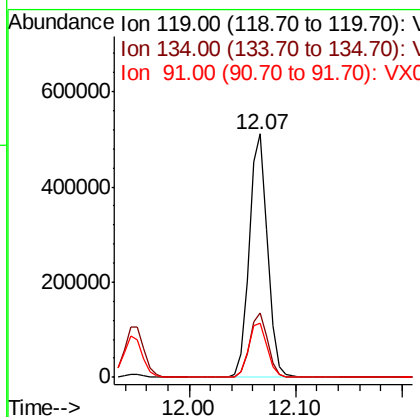
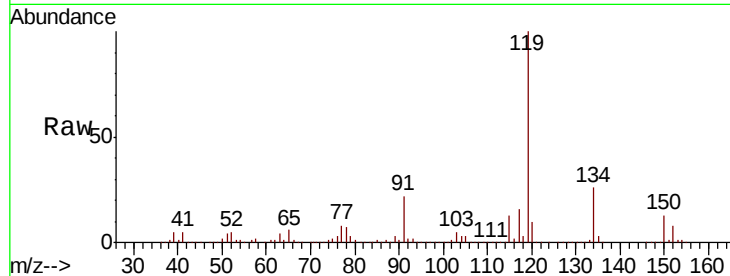
#86
p-Isopropyltoluene
Concen: 55.411 ug/l
RT: 12.07 min Scan# 1790
Delta R.T. 0.00 min
Lab File: VX004856.D
Acq: 29 Sep 2018 07:38

Instrument :
MSVOA_X
ClientSampleId :
SA-TW505-0913MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	613686		
134	26.3		13.4	40.2
91	23.1		10.9	32.7

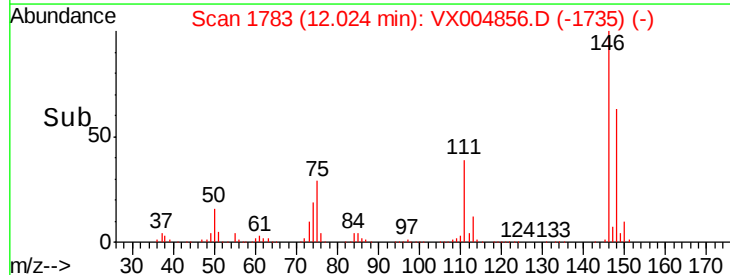
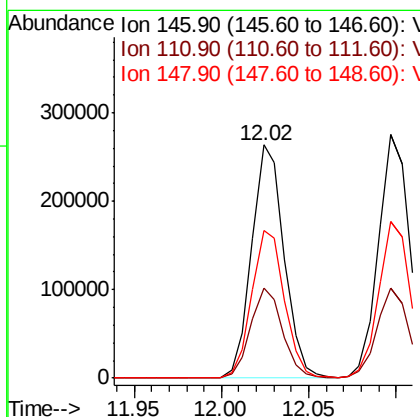
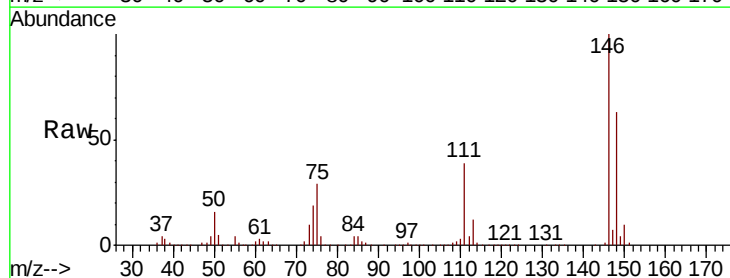
Manual Integrations
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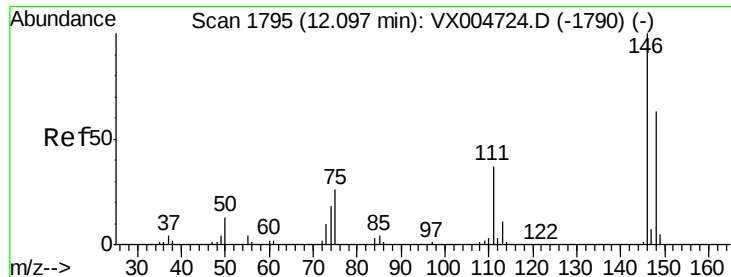
MMDadoda
10/1/2018 1:31:31 PM



#87
1,3-Dichlorobenzene
Concen: 51.339 ug/l
RT: 12.02 min Scan# 1783
Delta R.T. -0.01 min
Lab File: VX004856.D
Acq: 29 Sep 2018 07:38

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	339412		
111	38.2		18.7	56.1
148	64.3		32.1	96.5





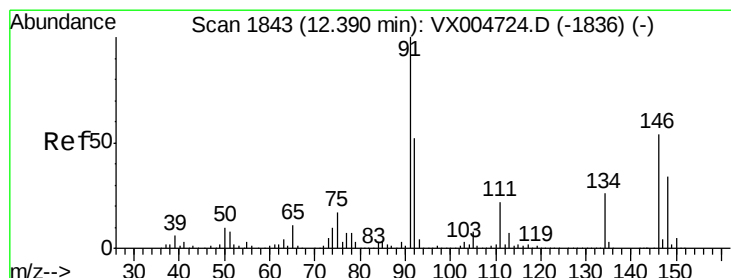
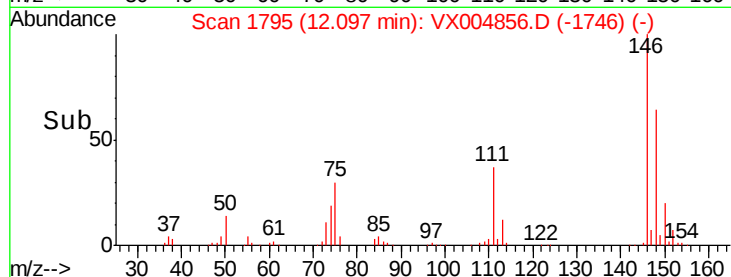
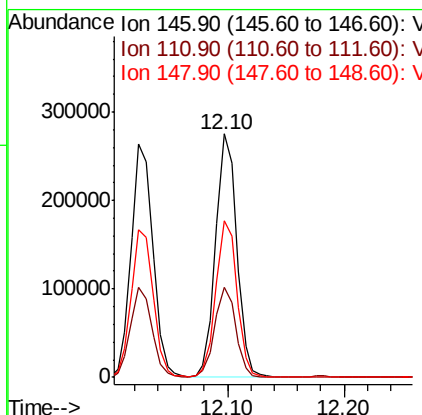
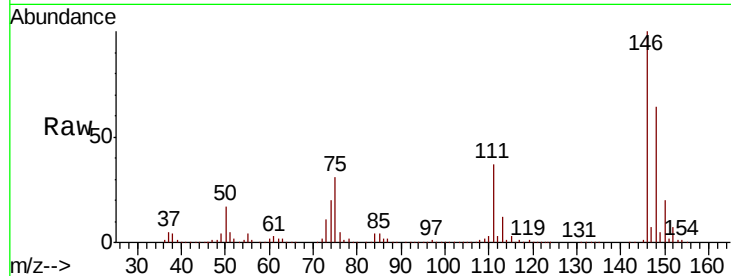
#88
 1,4-Dichlorobenzene
 Concen: 50.335 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX004856.D
 Acq: 29 Sep 2018 07:38

Instrument :
 MSVOA_X
 ClientSampleID :
 SA-TW505-0913MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.1	54.1
148	64.7	32.0	96.0

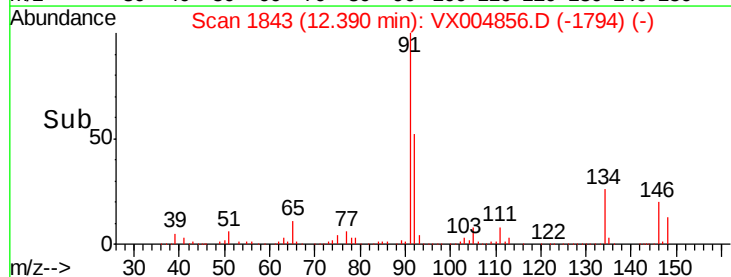
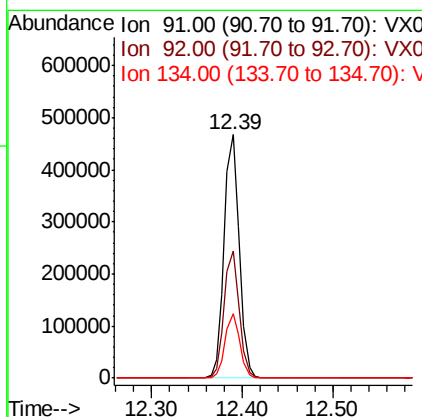
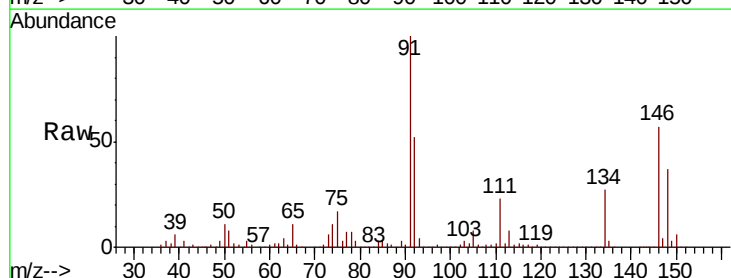
Manual Integrations
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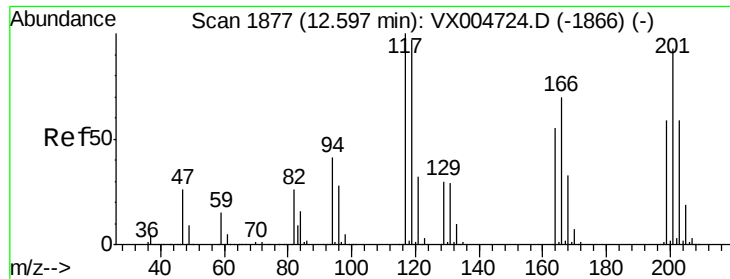
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#89
 n-Butylbenzene
 Concen: 53.923 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX004856.D
 Acq: 29 Sep 2018 07:38

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.9	27.3	81.9
134	25.9	13.6	40.7





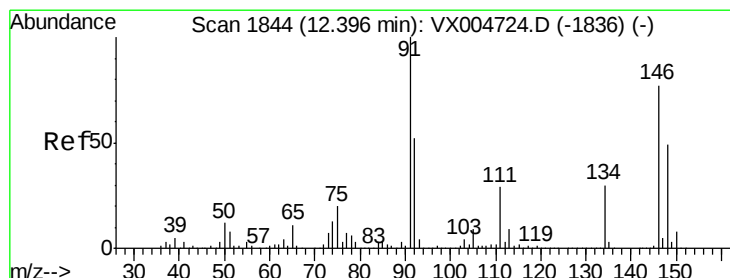
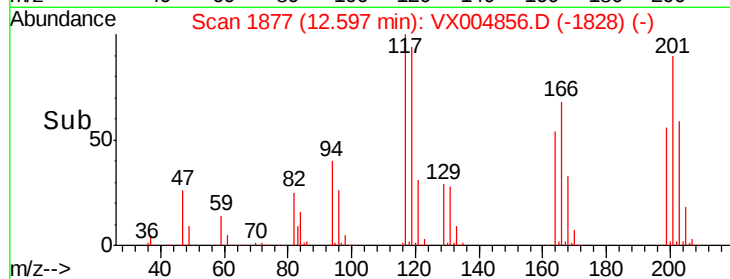
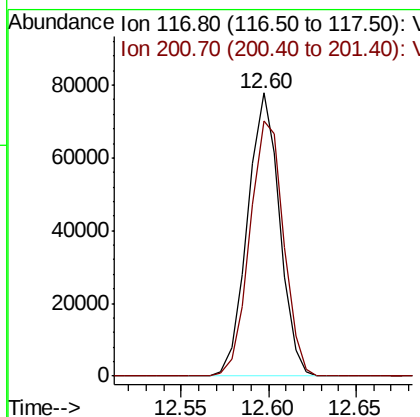
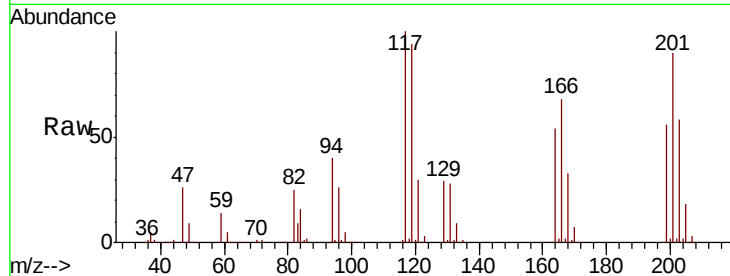
#90
Hexachloroethane
Concen: 53.720 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX004856.D
Acq: 29 Sep 2018 07:38

Instrument :
MSVOA_X
ClientSampleId :
SA-TW505-0913MSD

Tot Ion:117 Resp: 99060
Ion Ratio Lower Upper
117 100
201 95.0 46.9 140.6

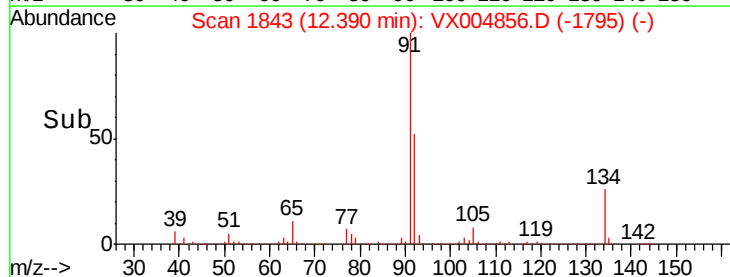
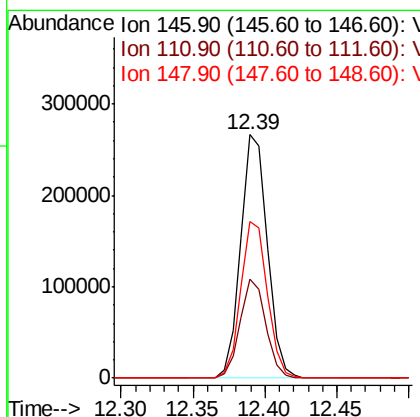
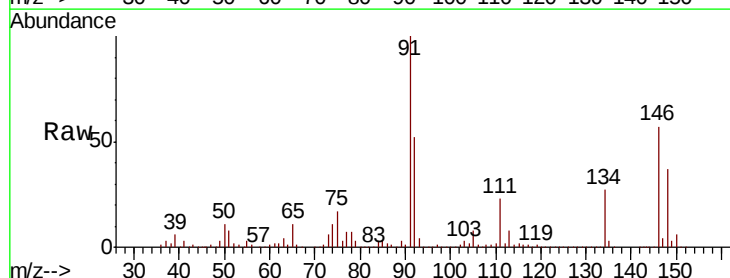
Manual Integrations
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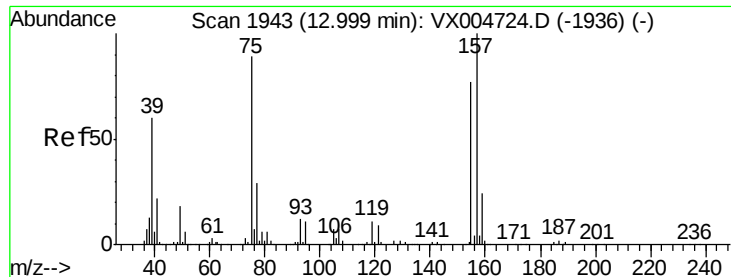
MMDadoda
10/1/2018 1:31:31 PM



#91
1,2-Dichlorobenzene
Concen: 49.616 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.01 min
Lab File: VX004856.D
Acq: 29 Sep 2018 07:38

Tgt Ion:146 Resp: 342798
Ion Ratio Lower Upper
146 100
111 39.5 19.4 58.1
148 64.3 32.8 98.3





#92

1,2-Dibromo-3-Chloropropane

Concen: 51.093 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX004856.D

Acq: 29 Sep 2018 07:38

Instrument :

MSVOA_X

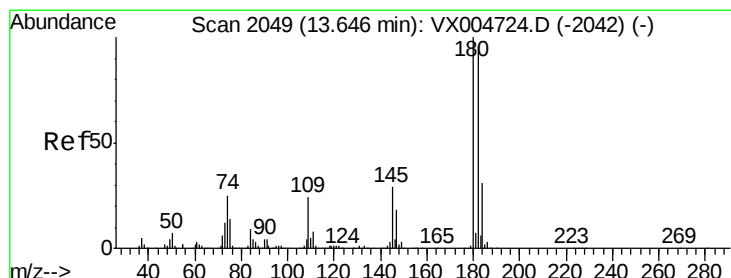
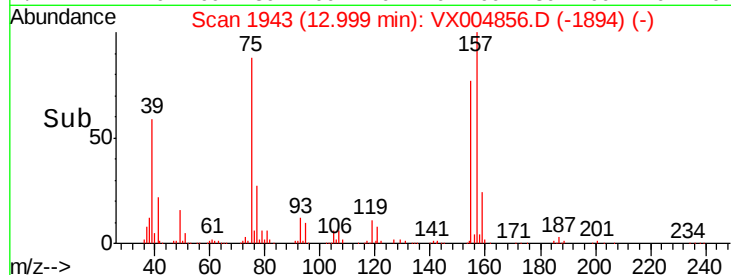
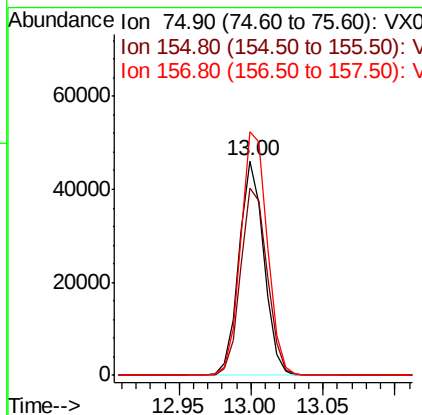
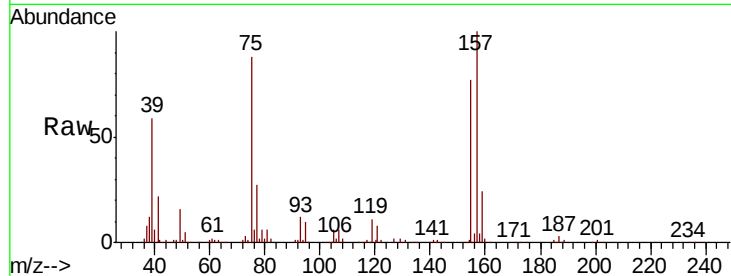
ClientSampleId :

SA-TW505-0913MSD

Tot Ion:	75	Resp:	55665
Ion	Ratio	Lower	Upper
75	100		
155	92.1	48.0	144.2
157	119.8	61.4	184.1

Manual Integrations
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#93

1,2,4-Trichlorobenzene

Concen: 51.780 ug/l

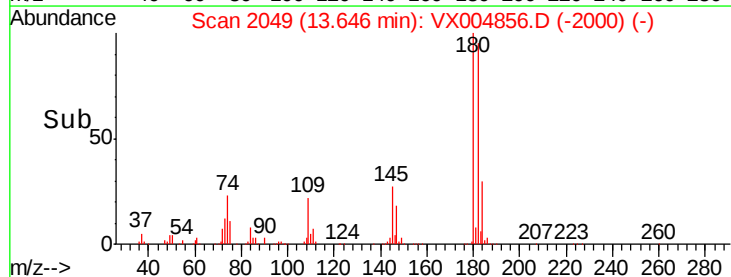
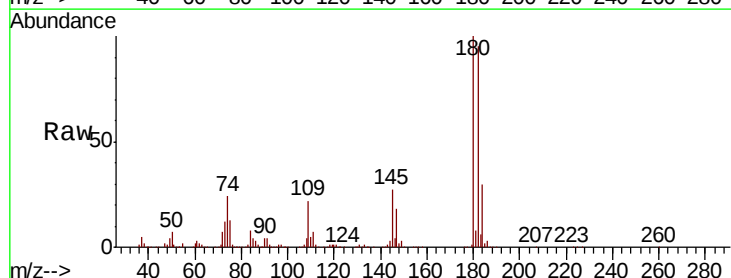
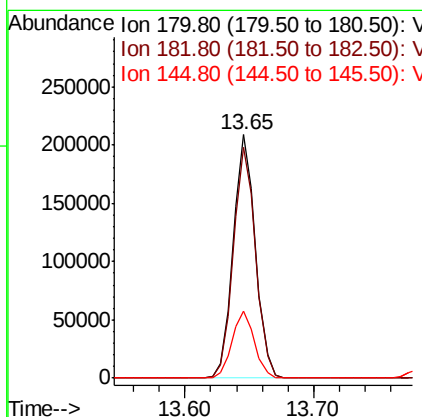
RT: 13.65 min Scan# 2049

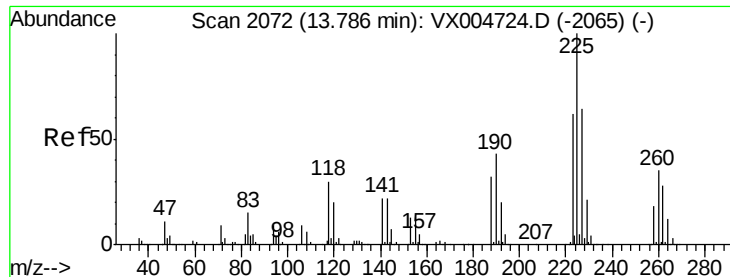
Delta R.T. 0.00 min

Lab File: VX004856.D

Acq: 29 Sep 2018 07:38

Tgt Ion:	180	Resp:	250955
Ion	Ratio	Lower	Upper
180	100		
182	95.4	48.4	145.0
145	27.9	14.3	42.9





#94

Hexachlorobutadiene

Concen: 45.862 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. -0.01 min

Lab File: VX004856.D

Acq: 29 Sep 2018 07:38

Instrument :

MSVOA_X

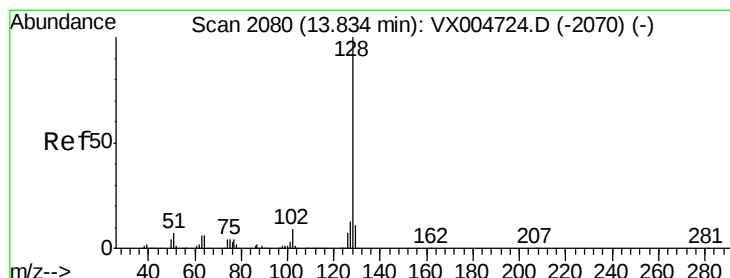
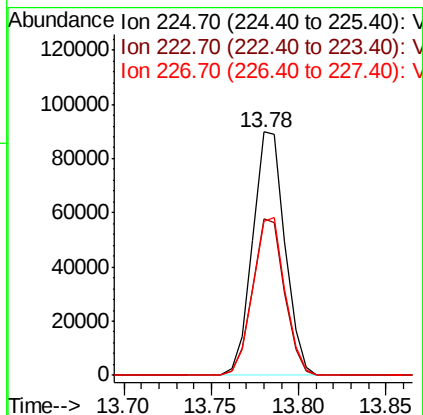
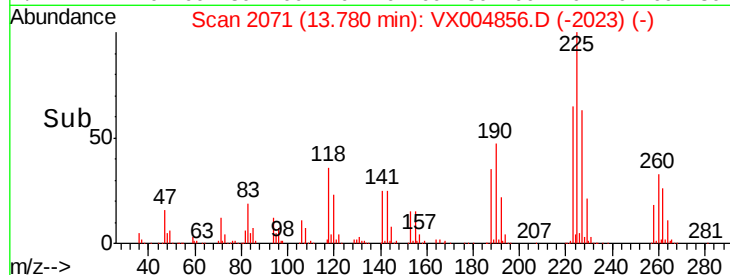
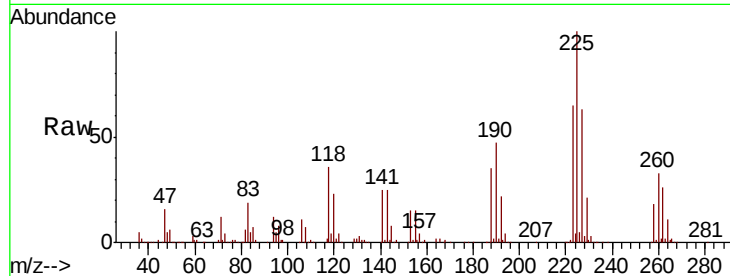
ClientSampleId :

SA-TW505-0913MSD

Tot Ion:	225	Resp:	115260
Ion Ratio	Lower	Upper	
225	100		
223	63.5	30.1	90.5
227	64.4	30.8	92.4

Manual Integrations
APPROVED

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#95

Naphthalene

Concen: 50.899 ug/l

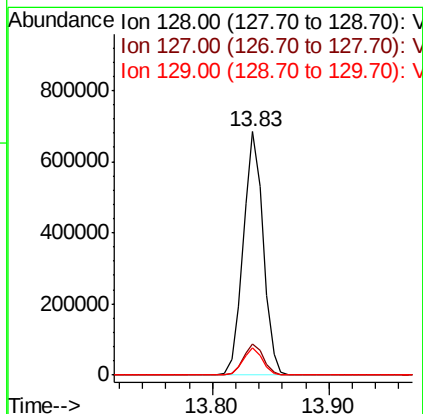
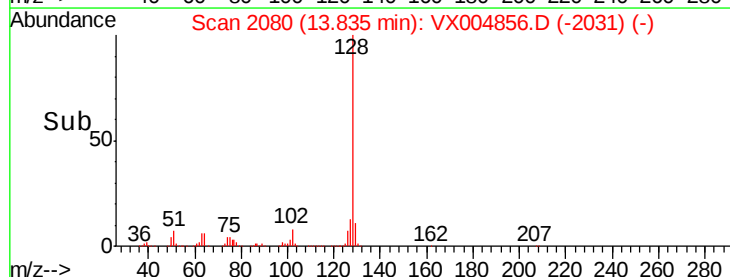
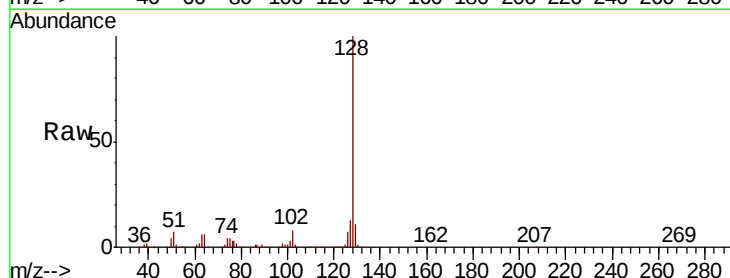
RT: 13.83 min Scan# 2080

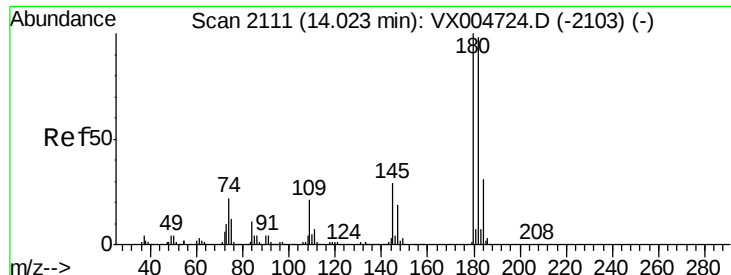
Delta R.T. 0.00 min

Lab File: VX004856.D

Acq: 29 Sep 2018 07:38

Tgt Ion:	128	Resp:	818983
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.2	15.2
129	11.0	8.6	12.8





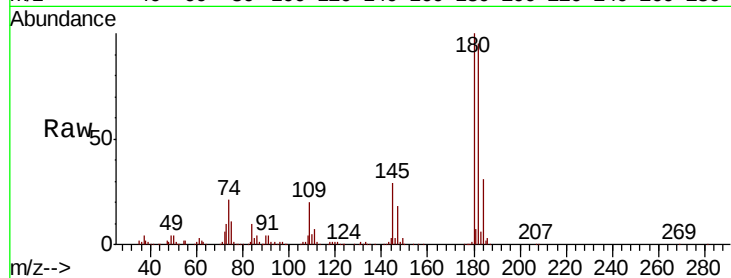
#96
 1,2,3-Trichlorobenzene
 Concen: 52.527 ug/l
 RT: 14.02 min Scan# 2111
 Delta R.T. 0.00 min
 Lab File: VX004856.D
 Acq: 29 Sep 2018 07:38

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW505-0913MSD

Tot Ion	Ratio	Resp	Lower	Upper
180	100	262979		
182	94.8		48.5	145.6
145	29.6		14.9	44.9

Manual Integrations
 APPROVED

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



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

