

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110918\
 Data File : VX005877.D
 Acq On : 09 Nov 2018 23:04
 Operator : JC/MD
 Sample : VX1109MBSD02
 Misc : 5.00µg/10mL/100µL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1109MBSD02

Manual Integrations
 APPROVED

MMDadoda
 11/12/2018 9:12:07 AM

Quant Time: Nov 12 01:23:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	112739	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	150191	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	127858	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	70507	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	62110	47.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.84%	
35) Dibromofluoromethane	5.51	113	49304	48.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.54%	
50) Toluene-d8	8.71	98	172680	50.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.70%	
62) 4-Bromofluorobenzene	11.13	95	58622	48.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	19343	19.030	ug/l	95
3) Chloromethane	1.32	50	24544	18.399	ug/l	95
4) Vinyl Chloride	1.40	62	23618	17.636	ug/l	97
5) Bromomethane	1.64	94	14168	17.288	ug/l	99
6) Chloroethane	1.72	64	16158	20.221	ug/l	89
7) Trichlorofluoromethane	1.93	101	32919	18.519	ug/l	90
8) Diethyl Ether	2.19	74	13925	19.992	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	19689	19.258	ug/l	98
10) Methyl Iodide	2.51	142	21984	17.742	ug/l	96
11) Tert butyl alcohol	3.07	59	36685	98.806	ug/l	99
12) 1,1-Dichloroethene	2.38	96	18469	18.534	ug/l	87
13) Acrolein	2.29	56	13120	87.594	ug/l	99
14) Allyl chloride	2.73	41	42235	18.977	ug/l	97
15) Acrylonitrile	3.15	53	73742	95.839	ug/l	95
16) Acetone	2.45	43	68233	97.777	ug/l	95
17) Carbon Disulfide	2.57	76	54474	18.327	ug/l	100
18) Methyl Acetate	2.78	43	40448	20.761	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	63853	18.774	ug/l	97
20) Methylene Chloride	2.85	84	20818	18.161	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	20262	19.278	ug/l	96
22) Diisopropyl ether	3.87	45	73584	18.874	ug/l #	94
23) Vinyl Acetate	3.82	43	314911	94.206	ug/l	97
24) 1,1-Dichloroethane	3.70	63	42423	20.395	ug/l	98
25) 2-Butanone	4.69	43	104095	94.880	ug/l #	89
26) 2,2-Dichloropropane	4.59	77	26319	17.249	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	21721	18.716	ug/l	99
28) Bromochloromethane	5.01	49	19377	20.844	ug/l	98
29) Tetrahydrofuran	5.15	42	68631	97.427	ug/l	97
30) Chloroform	5.22	83	38606	19.238	ug/l	85
31) Cyclohexane	5.57	56	34317	19.006	ug/l	87
32) 1,1,1-Trichloroethane	5.49	97	32395	19.354	ug/l	98
36) 1,1-Dichloropropene	5.80	75	28037	19.364	ug/l	98
37) Ethyl Acetate	4.86	43	38910	20.436	ug/l	99
38) Carbon Tetrachloride	5.78	117	28791	19.863	ug/l	94

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MMDadoda
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Quant Time: Nov 12 01:23:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	29434	20.058	ug/l	96
40) Benzene	6.15	78	82946	19.651	ug/l	98
41) Methacrylonitrile	5.06	41	20651	20.073	ug/l	97
42) 1,2-Dichloroethane	6.19	62	31314	20.713	ug/l	98
43) Isopropyl Acetate	6.46	43	56528	20.489	ug/l	99
44) Trichloroethene	7.21	130	20268	18.908	ug/l	95
45) 1,2-Dichloropropane	7.52	63	24036	23.462	ug/l	97
46) Dibromomethane	7.66	93	13338	20.747	ug/l	99
47) Bromodichloromethane	7.90	83	25173	20.719	ug/l	99
48) Methyl methacrylate	7.77	41	25803	20.829	ug/l	97
49) 1,4-Dioxane	7.75	88	11192	419.265	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	175204	100.763	ug/l	100
52) Toluene	8.78	92	48868	20.715	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	26026	18.152	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	28764	19.683	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	18730	17.815	ug/l	97
56) Ethyl methacrylate	9.18	69	27512	17.489	ug/l	98
57) 1,3-Dichloropropane	9.37	76	31725	17.956	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	95563	116.072	ug/l	97
59) 2-Hexanone	9.49	43	134713	87.896	ug/l	99
60) Dibromochloromethane	9.59	129	19657	17.300	ug/l	99
61) 1,2-Dibromoethane	9.68	107	20121	17.308	ug/l	98
64) Tetrachloroethene	9.34	164	21935	20.150	ug/l	99
65) Chlorobenzene	10.14	112	50671	19.783	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	18461	20.731	ug/l	98
67) Ethyl Benzene	10.25	91	84834	20.655	ug/l	99
68) m/p-Xylenes	10.36	106	65651	41.905	ug/l	99
69) o-Xylene	10.70	106	31173	22.190	ug/l	99
70) Styrene	10.71	104	51612	22.271	ug/l	99
71) Bromoform	10.86	173	15929	21.339	ug/l #	100
73) Isopropylbenzene	11.02	105	85656	21.008	ug/l	100
74) N-amyl acetate	10.90	43	41827	19.076	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	30054	20.082	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	29534m	20.572	ug/l	
77) Bromobenzene	11.26	156	23096	20.097	ug/l	99
78) n-propylbenzene	11.36	91	99792	20.767	ug/l	99
79) 2-Chlorotoluene	11.42	91	60395	20.794	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	73779	21.293	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	8801	19.538	ug/l	94
82) 4-Chlorotoluene	11.51	91	70990	20.739	ug/l	100
83) tert-Butylbenzene	11.77	119	69891	19.938	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	75355	19.634	ug/l	100
85) sec-Butylbenzene	11.94	105	86441	20.166	ug/l	100
86) p-Isopropyltoluene	12.07	119	77414	20.389	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	42067	19.073	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	43428	19.234	ug/l	99
89) n-Butylbenzene	12.39	91	66131	18.793	ug/l	99
90) Hexachloroethane	12.60	117	12534	19.772	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	42684	19.319	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	7380	20.208	ug/l	99

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Misc : 5.00µ/10mL/100uL/5.0mL/MSVOA_X/MEOH
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1109MBS02

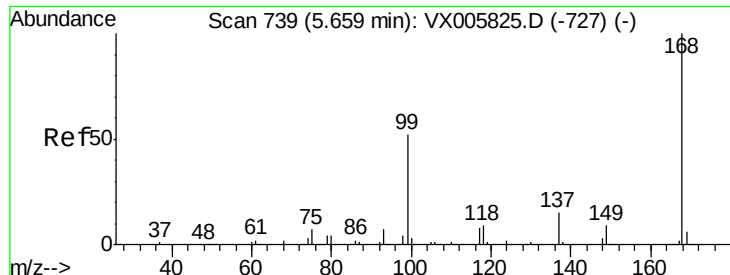
Manual Integrations
APPROVED

MMDadoda
11/12/2018 9:12:07 AM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 07 14:40:53 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	30534	19.631	ug/l	100
94) Hexachlorobutadiene	13.78	225	15495	18.965	ug/l	99
95) Naphthalene	13.83	128	93994	19.271	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	32182	20.309	ug/l	99

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



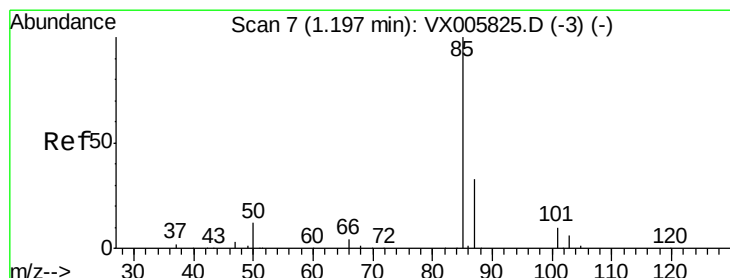
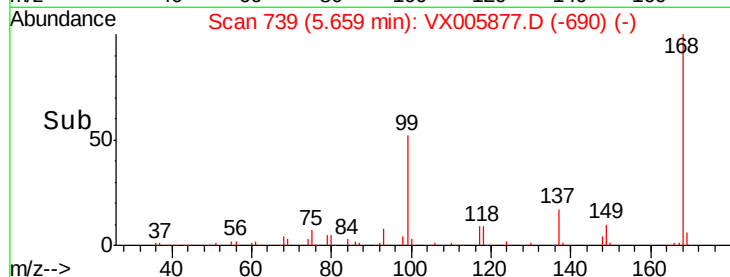
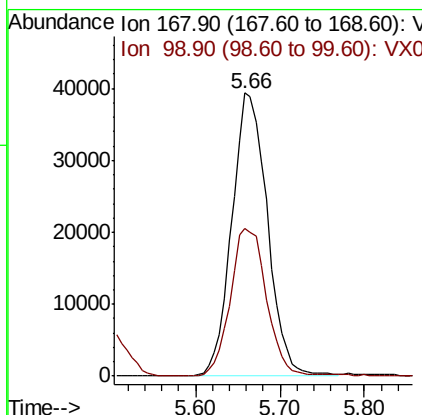
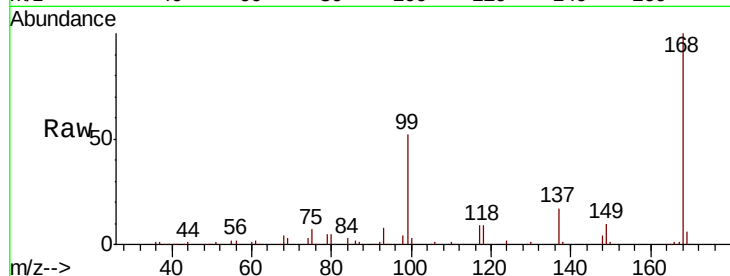
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.00 min
Lab File: VX005877.D
Acq: 09 Nov 2018 23:04

Instrument :
MSVOA_X
ClientSampleId :
VX1109MBS02

Tot Ion:168 Resp: 112739
Ion Ratio Lower Upper
168 100
99 52.1 40.7 61.1

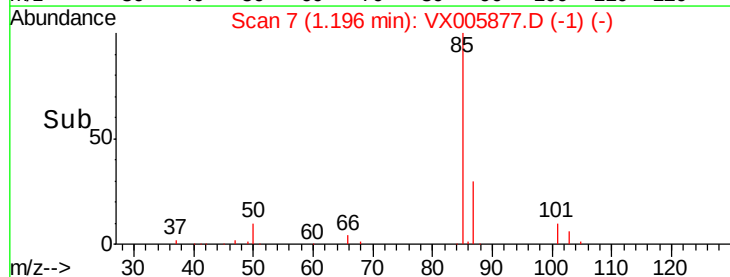
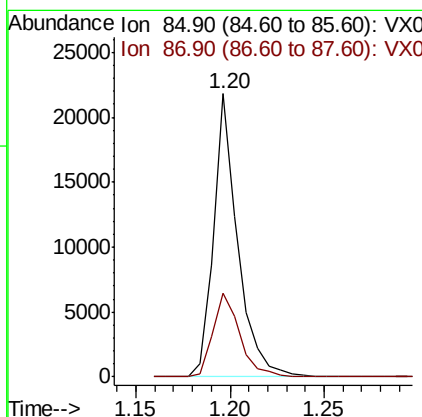
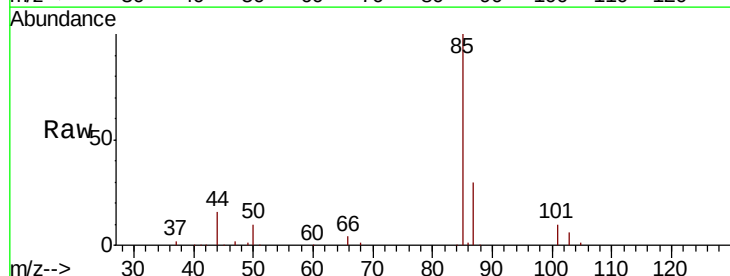
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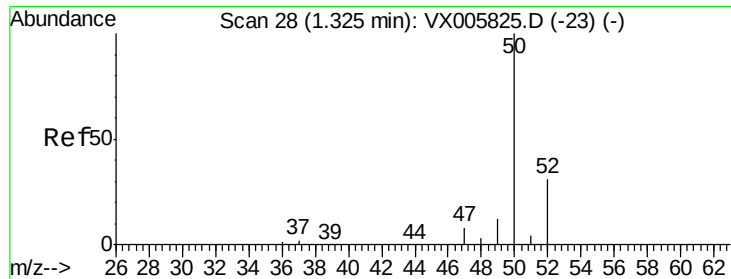
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#2
Dichlorodifluoromethane
Concen: 19.030 ug/l
RT: 1.20 min Scan# 7
Delta R.T. -0.00 min
Lab File: VX005877.D
Acq: 09 Nov 2018 23:04

Tgt Ion: 85 Resp: 19343
Ion Ratio Lower Upper
85 100
87 29.7 16.3 48.9





#3

Chloromethane

Concen: 18.399 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005877.D

Acq: 09 Nov 2018 23:04

Instrument :

MSVOA_X

ClientSampleId :

VX1109MBS02

Tot Ion: 50 Resp: 24544

Ion Ratio Lower Upper

50 100

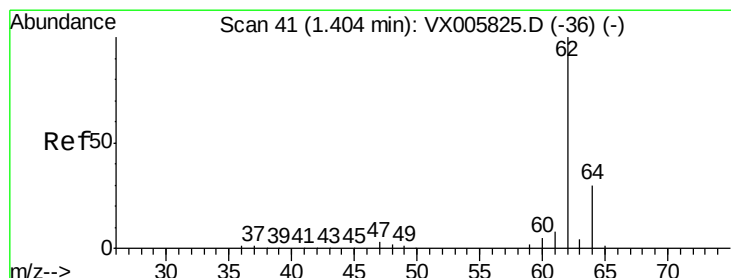
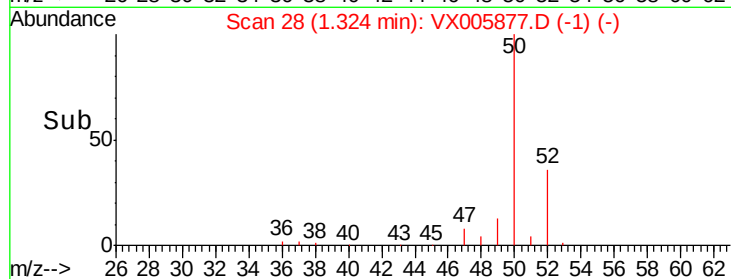
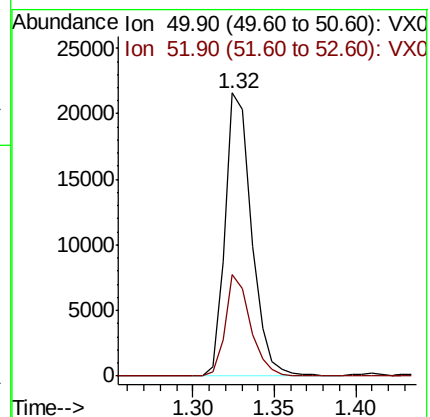
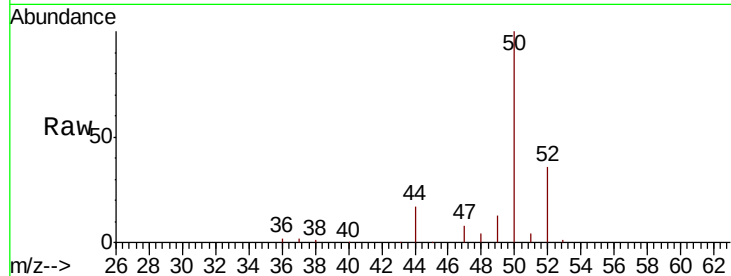
52 35.8 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.636 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX005877.D

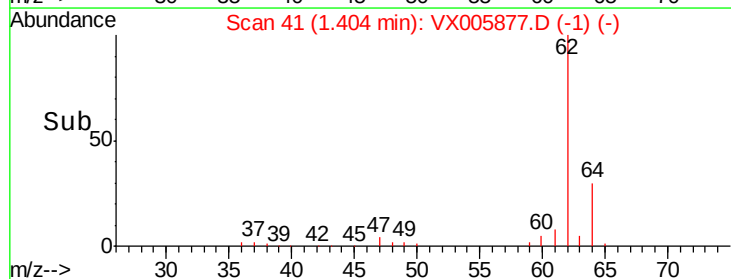
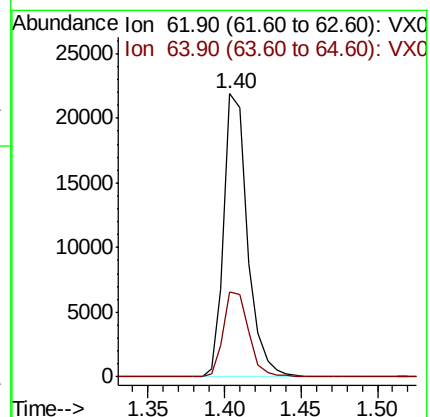
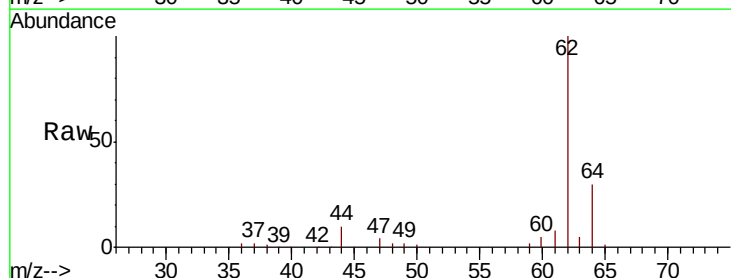
Acq: 09 Nov 2018 23:04

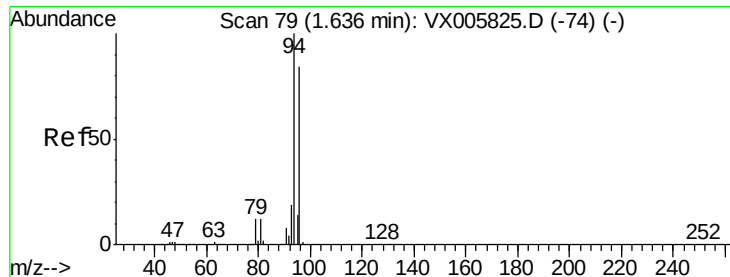
Tgt Ion: 62 Resp: 23618

Ion Ratio Lower Upper

62 100

64 30.1 25.3 37.9





#5

Bromomethane

Concen: 17.288 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005877.D

Acq: 09 Nov 2018 23:04

Instrument :

MSVOA_X

ClientSampleId :

VX1109MBS02

Tot Ion: 94 Resp: 14168

Ion Ratio Lower Upper

94 100

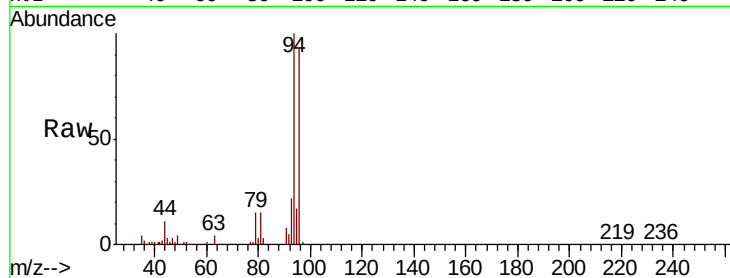
96 93.4 75.2 112.8

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

15000

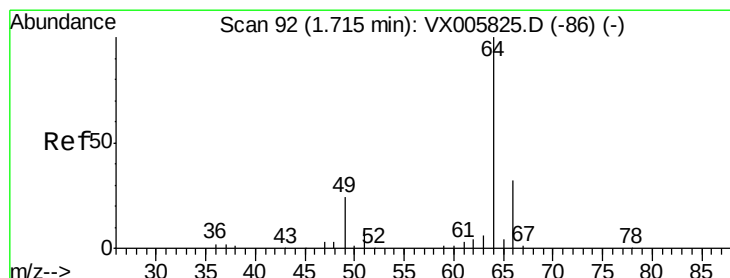
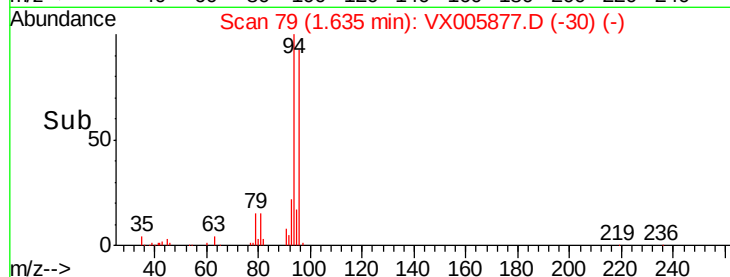
10000

5000

0

1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 20.221 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005877.D

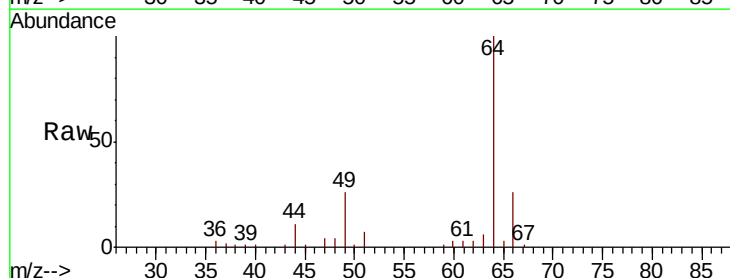
Acq: 09 Nov 2018 23:04

Tgt Ion: 64 Resp: 16158

Ion Ratio Lower Upper

64 100

66 26.0 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

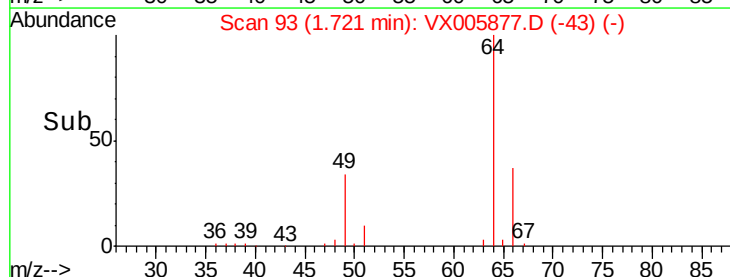
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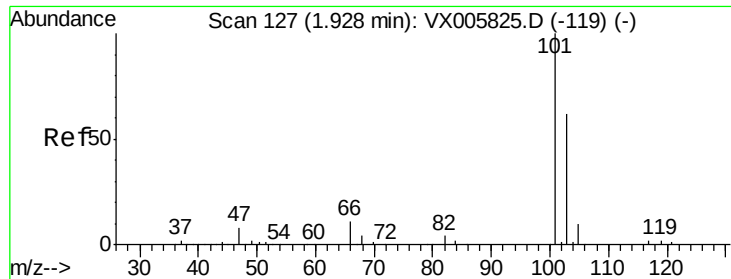
5000

0

1.65 1.70 1.75 1.80

Time-->





#7

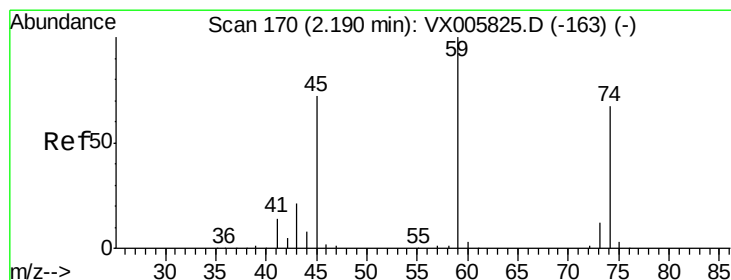
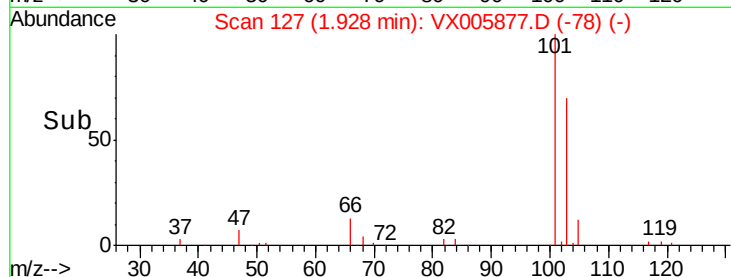
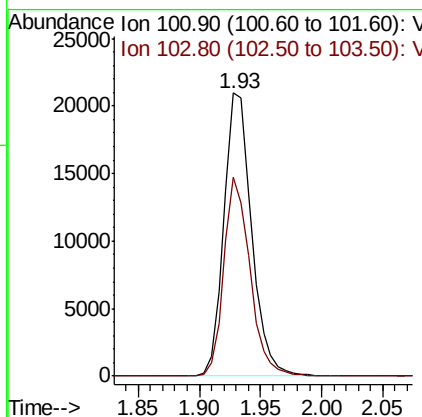
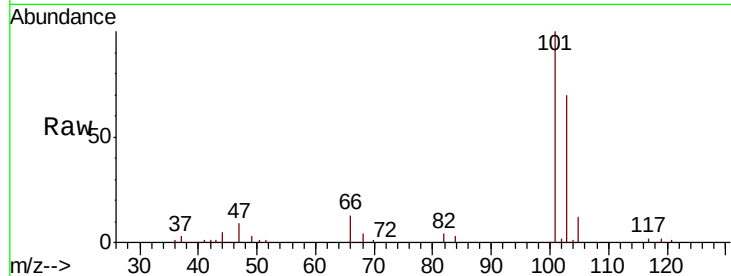
Trichlorofluoromethane
Concen: 18.519 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX005877.D
Acq: 09 Nov 2018 23:04

Instrument :
MSVOA_X
ClientSampleId :
VX1109MBS02

Tot Ion:101 Resp: 32919
Ion Ratio Lower Upper
101 100
103 70.5 50.0 75.0

Manual Integrations
APPROVED

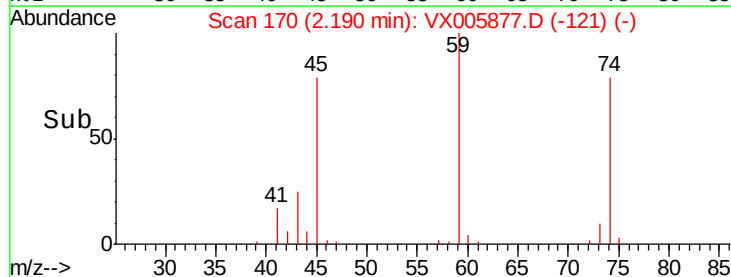
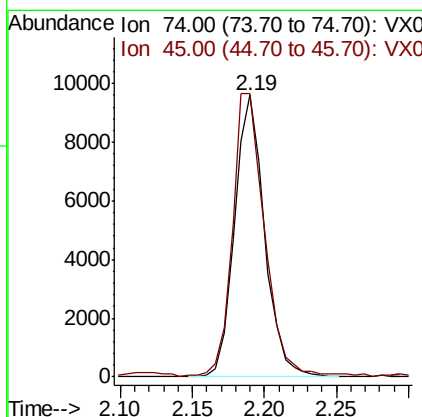
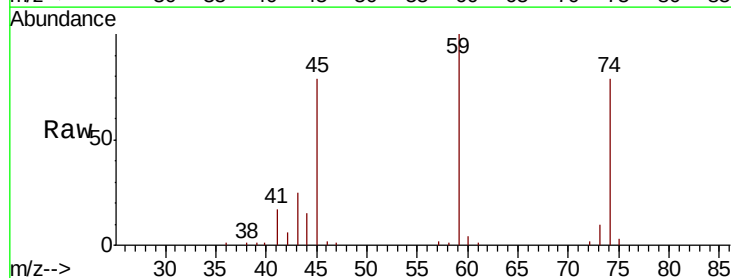
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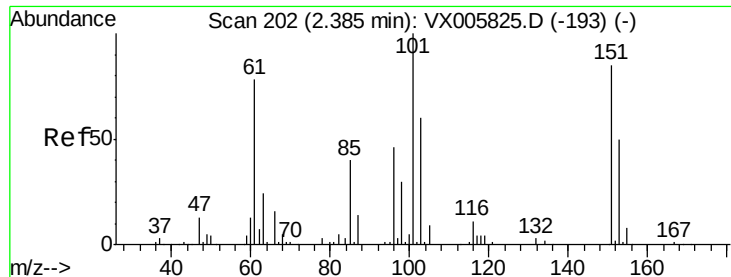


#8

Diethyl Ether
Concen: 19.992 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX005877.D
Acq: 09 Nov 2018 23:04

Tgt Ion: 74 Resp: 13925
Ion Ratio Lower Upper
74 100
45 108.9 54.1 162.3





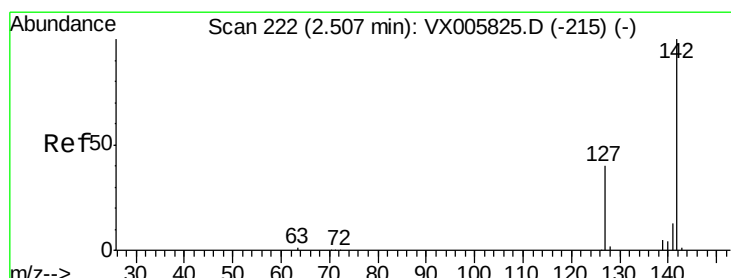
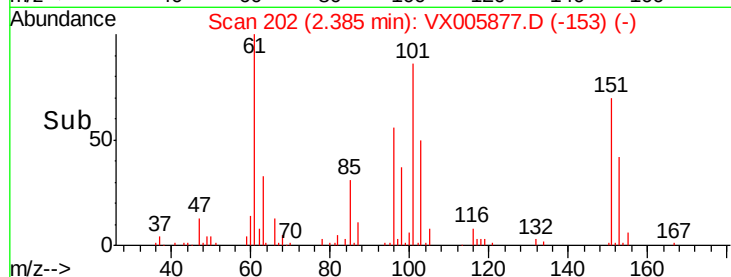
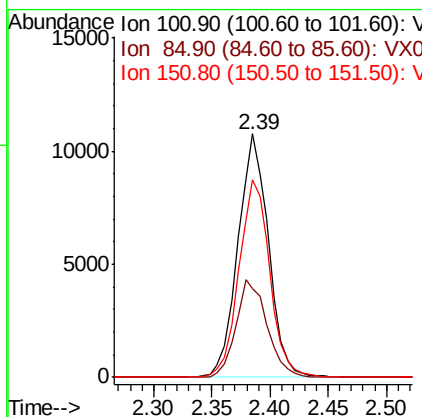
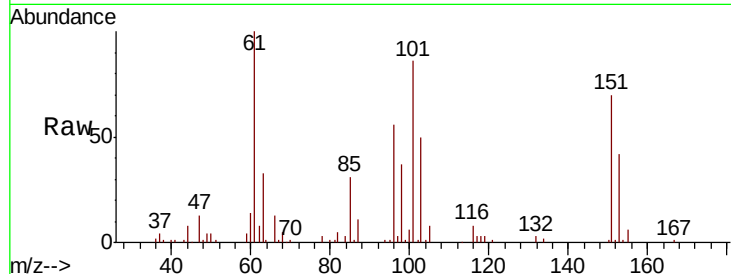
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.258 ug/l
RT: 2.39 min Scan# 202
Delta R.T. -0.00 min
Lab File: VX005877.D
Acq: 09 Nov 2018 23:04

Instrument :
MSVOA_X
ClientSampleId :
VX1109MBS02

Tot Ion	Ratio	Resp	Lower	Upper
101	100	19689		
85	40.5		35.0	52.4
151	81.8		66.2	99.2

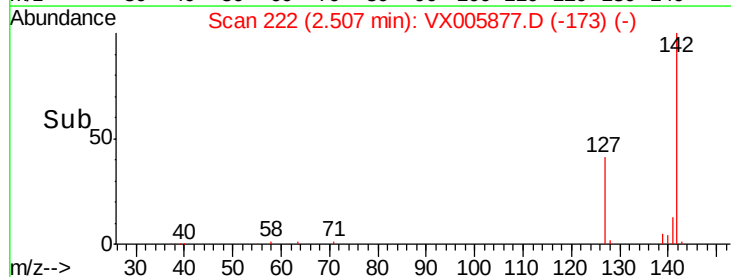
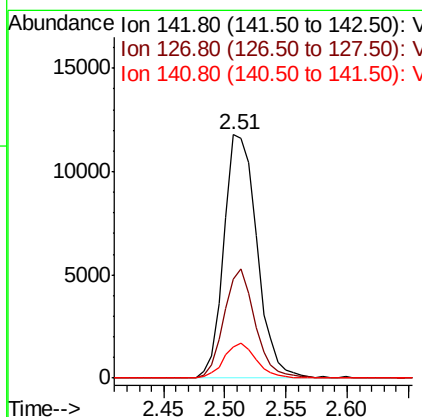
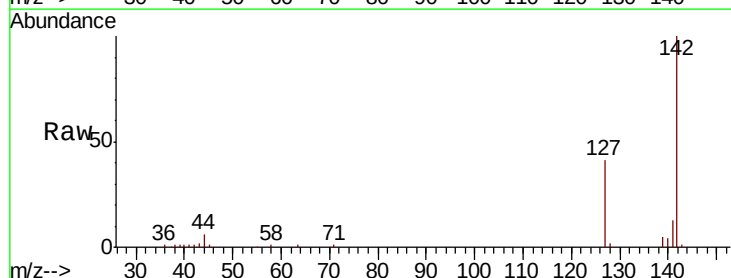
Manual Integrations
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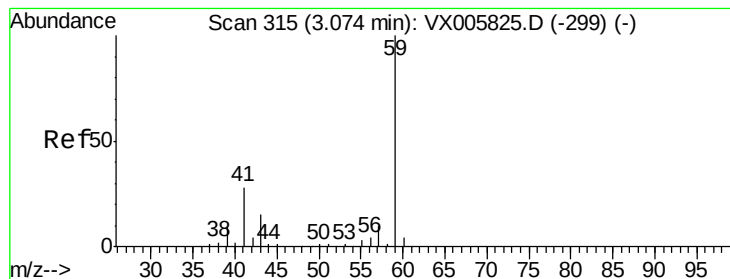
MMDadoda
11/12/2018 9:12:07 AM



#10
Methyl Iodide
Concen: 17.742 ug/l
RT: 2.51 min Scan# 222
Delta R.T. -0.00 min
Lab File: VX005877.D
Acq: 09 Nov 2018 23:04

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	21984		
127	42.1		36.0	54.0
141	13.9		11.7	17.5





#11

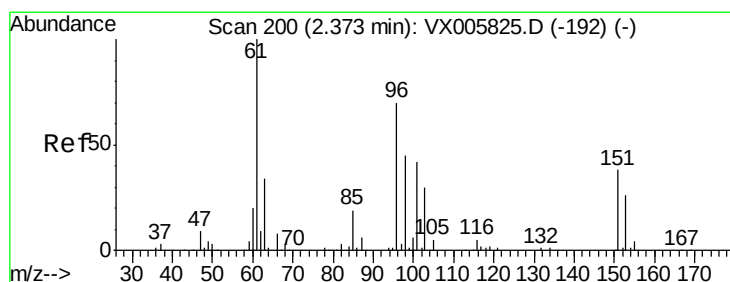
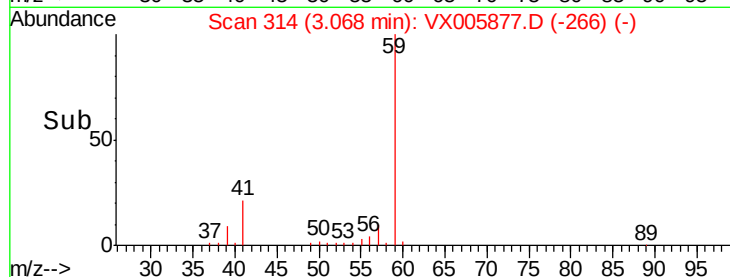
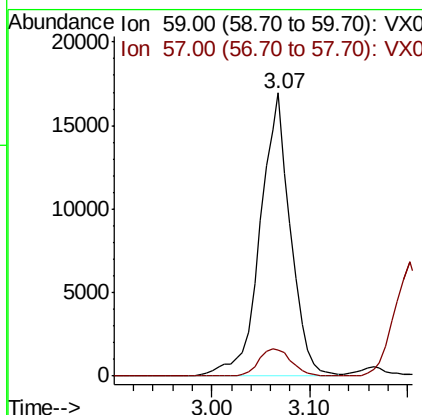
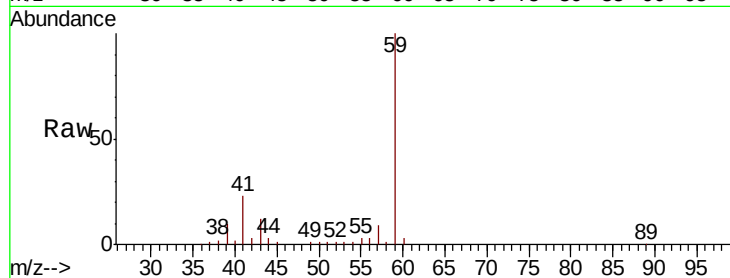
Tert butyl alcohol
 Concen: 98.806 ug/l
 RT: 3.07 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VX005877.D
 Acq: 09 Nov 2018 23:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1109MBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.5	12.7

Manual Integrations
 APPROVED

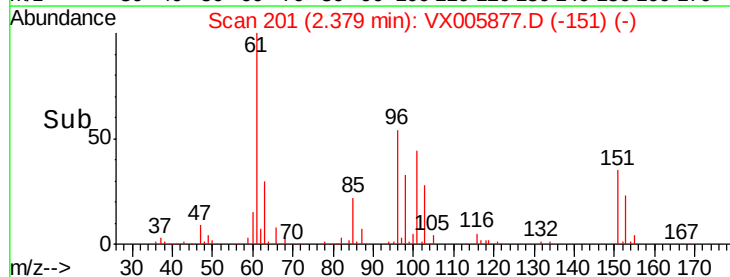
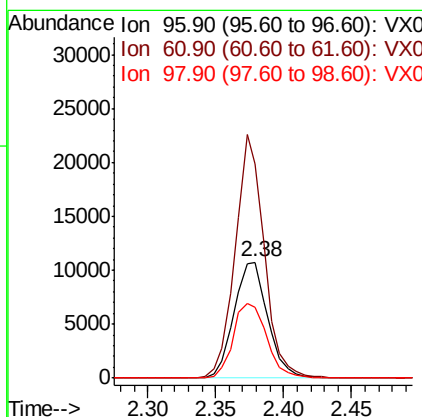
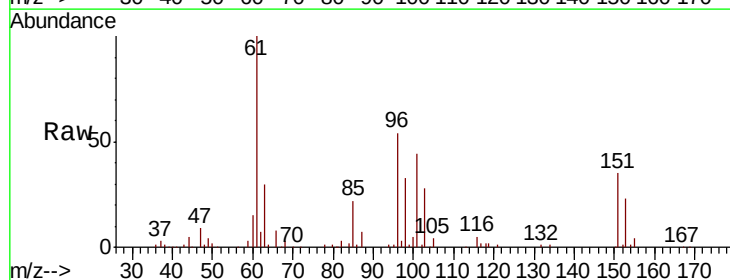
MMDadoda
 11/12/2018 9:12:07 AM

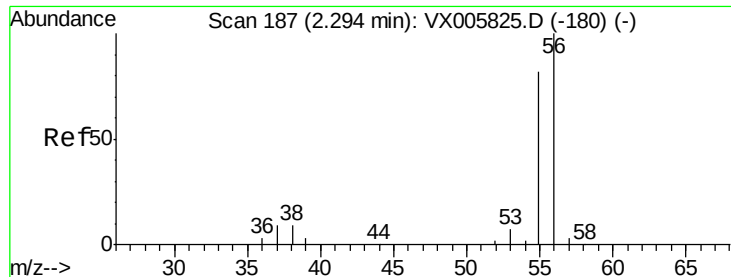


#12

1,1-Dichloroethene
 Concen: 18.534 ug/l
 RT: 2.38 min Scan# 201
 Delta R.T. 0.01 min
 Lab File: VX005877.D
 Acq: 09 Nov 2018 23:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	185.2	131.8	197.8
98	61.4	53.4	80.2





#13

Acrolein

Concen: 87.594 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005877.D

Acq: 09 Nov 2018 23:04

Instrument :

MSVOA_X

ClientSampleId :

VX1109MBS02

Tot Ion: 56 Resp: 13120

Ion Ratio Lower Upper

56 100

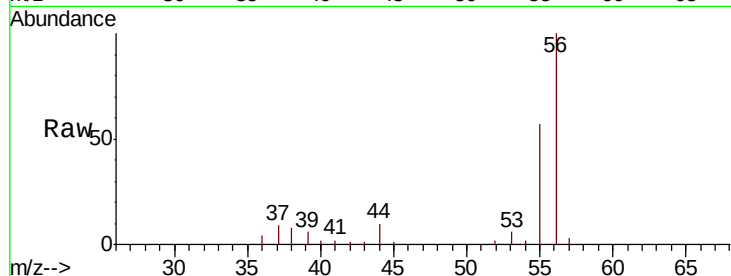
55 72.7 57.3 85.9

Manual Integrations

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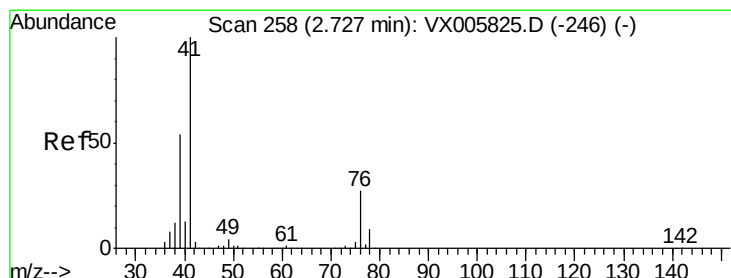
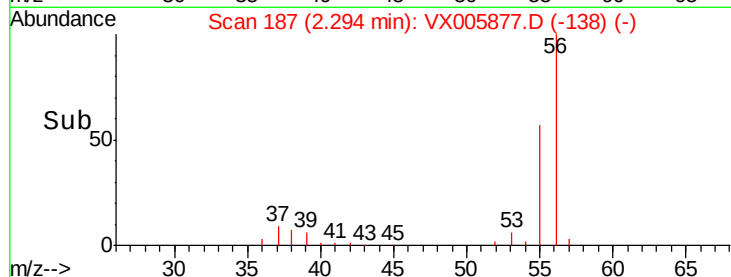
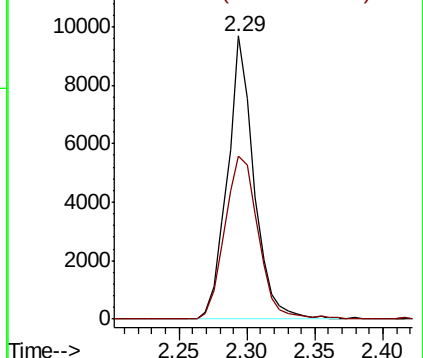
MMDadoda

11/12/2018 9:12:07 AM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 18.977 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX005877.D

Acq: 09 Nov 2018 23:04

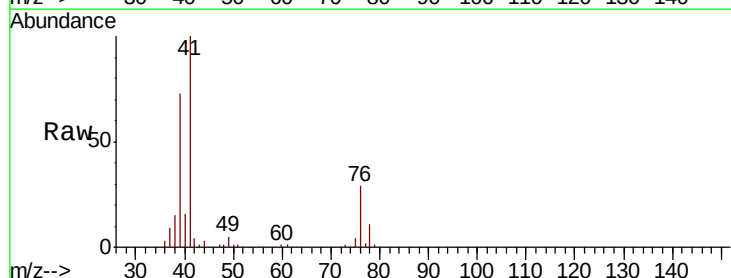
Tgt Ion: 41 Resp: 42235

Ion Ratio Lower Upper

41 100

39 57.6 48.2 72.4

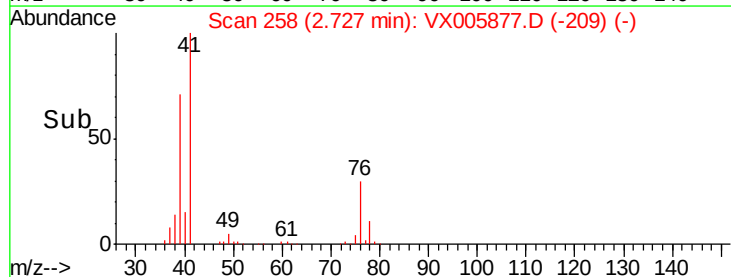
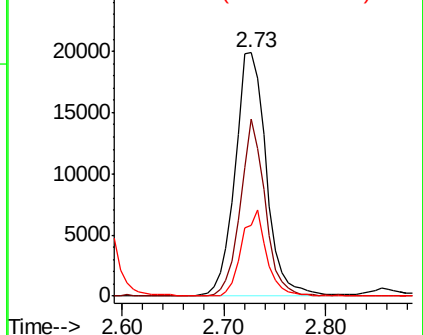
76 28.1 21.9 32.9

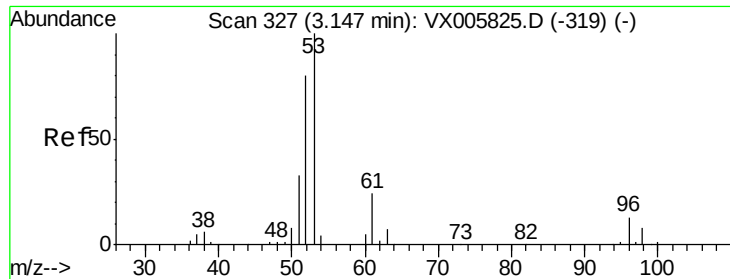


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 95.839 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX005877.D

Acq: 09 Nov 2018 23:04

Instrument :

MSVOA_X

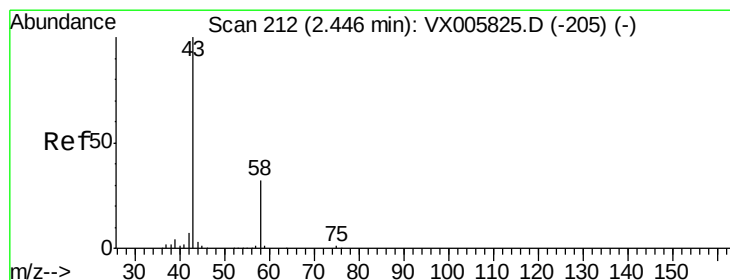
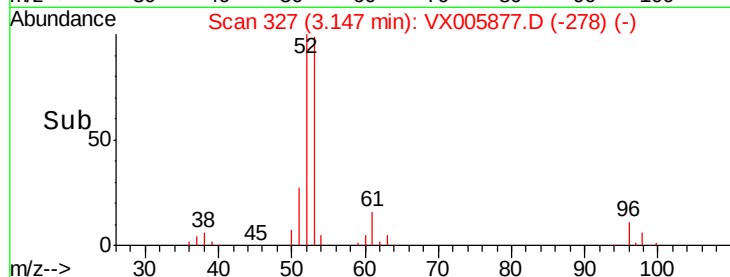
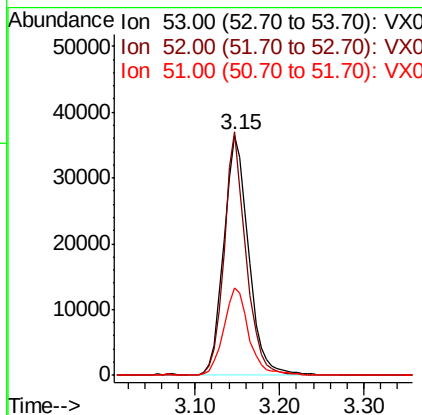
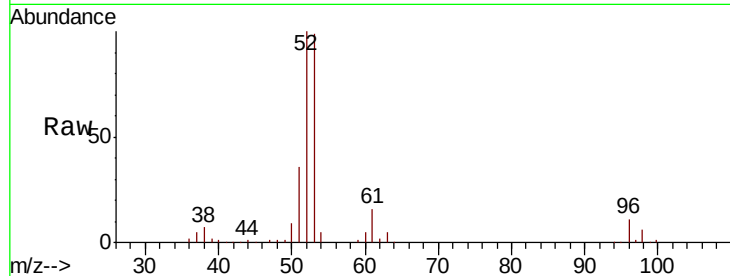
ClientSampleId :

VX1109MBS02

Tot Ion:	53	Resp:	73742
Ion Ratio	Lower	Upper	
53	100		
52	88.8	66.6	99.8
51	37.0	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 97.777 ug/l

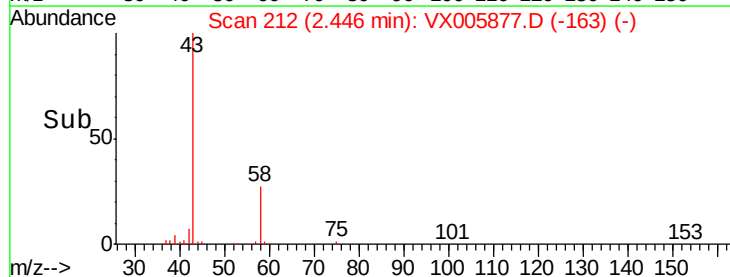
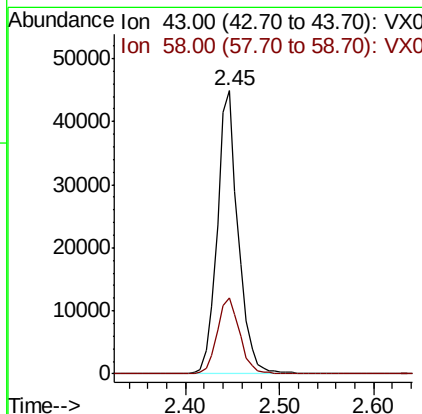
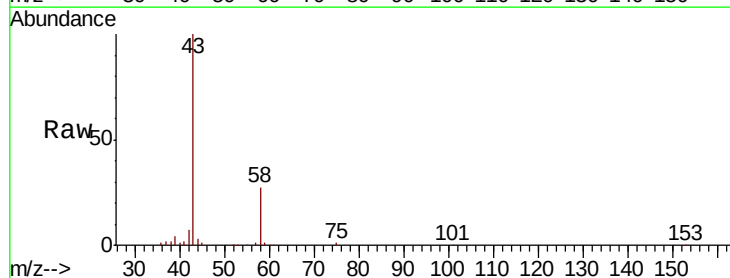
RT: 2.45 min Scan# 212

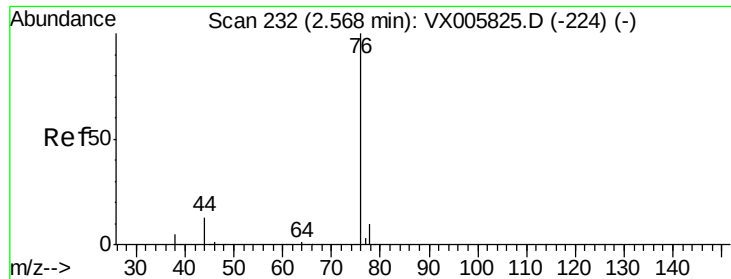
Delta R.T. -0.00 min

Lab File: VX005877.D

Acq: 09 Nov 2018 23:04

Tgt Ion:	43	Resp:	68233
Ion Ratio	Lower	Upper	
43	100		
58	27.1	23.8	35.6





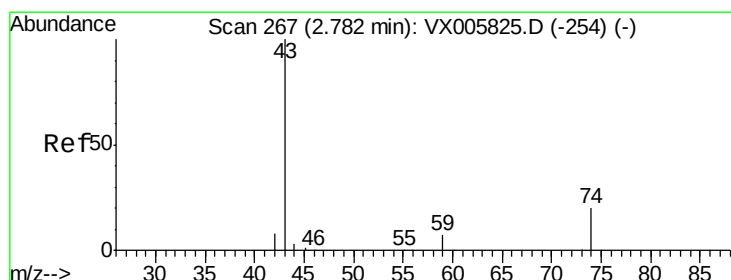
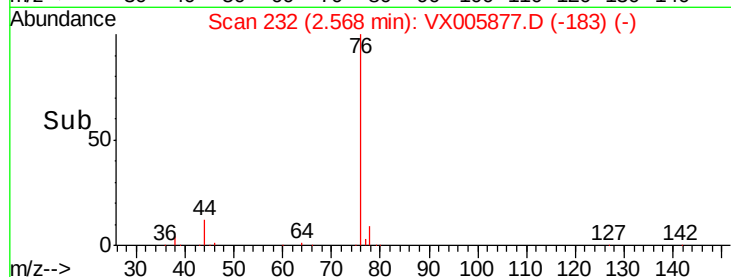
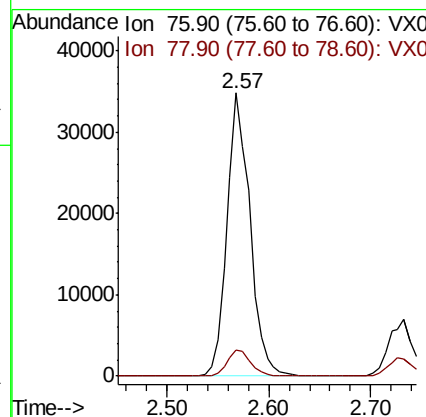
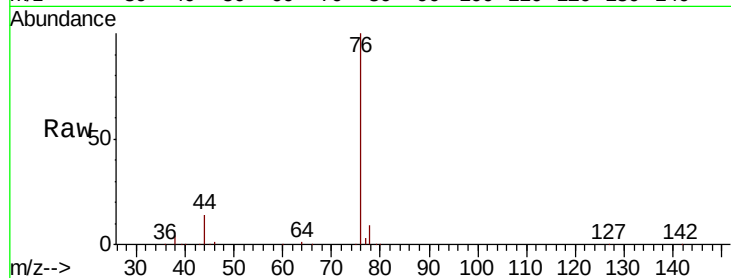
#17
Carbon Disulfide
Concen: 18.327 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX005877.D
Acq: 09 Nov 2018 23:04

Instrument :
MSVOA_X
ClientSampleId :
VX1109MBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

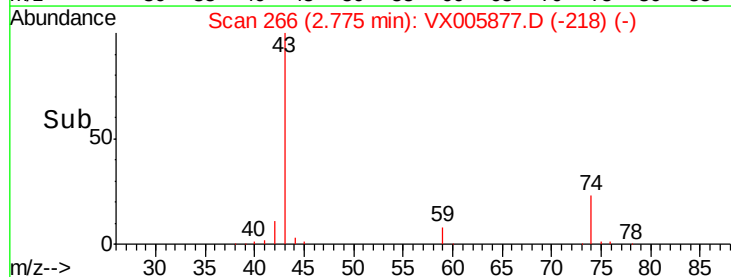
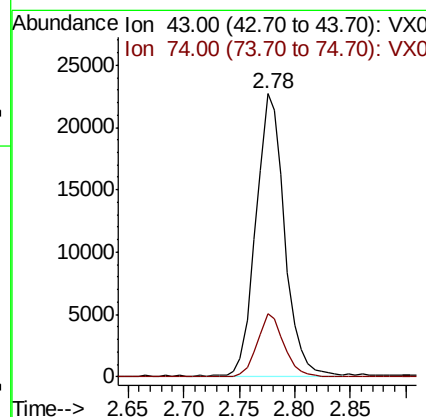
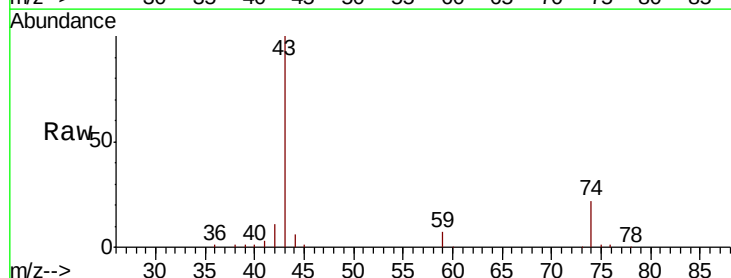
Manual Integrations
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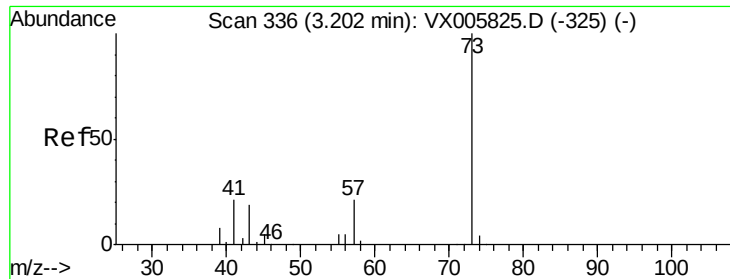
MMDadoda
11/12/2018 9:12:07 AM



#18
Methyl Acetate
Concen: 20.761 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005877.D
Acq: 09 Nov 2018 23:04

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.1	16.8	25.2





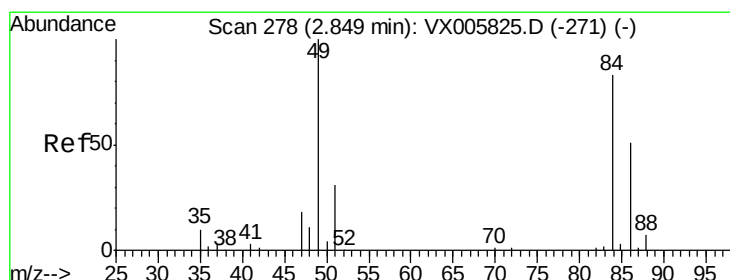
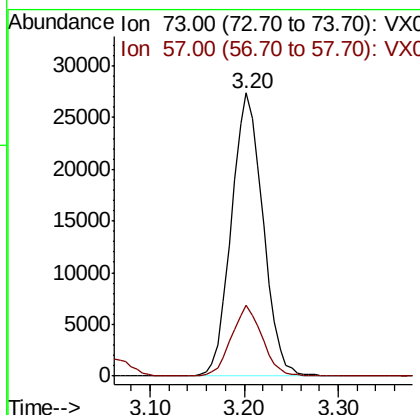
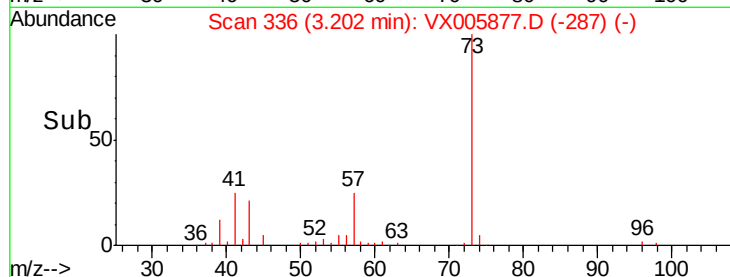
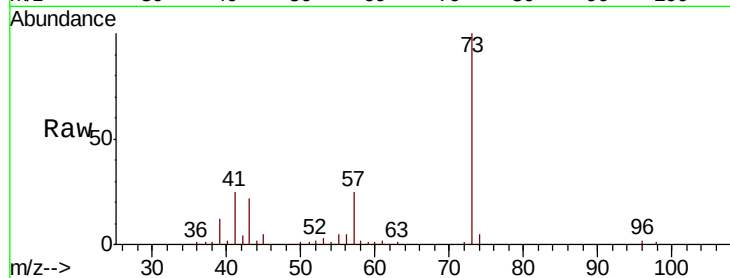
#19
Methyl tert-butyl Ether
Concen: 18.774 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX005877.D
Acq: 09 Nov 2018 23:04

Instrument :
MSVOA_X
ClientSampleId :
VX1109MBS02

Tot Ion: 73 Resp: 63853
Ion Ratio Lower Upper
73 100
57 25.0 18.8 28.2

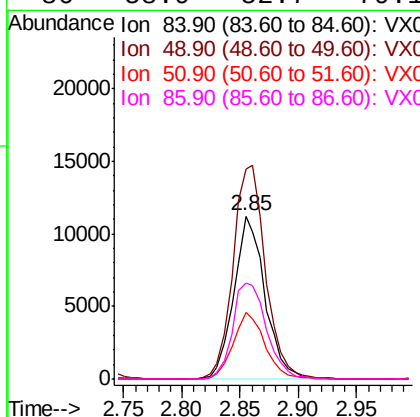
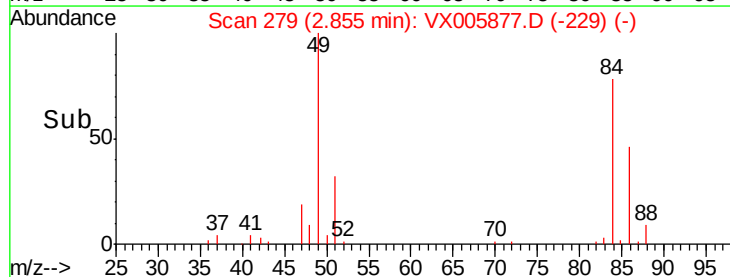
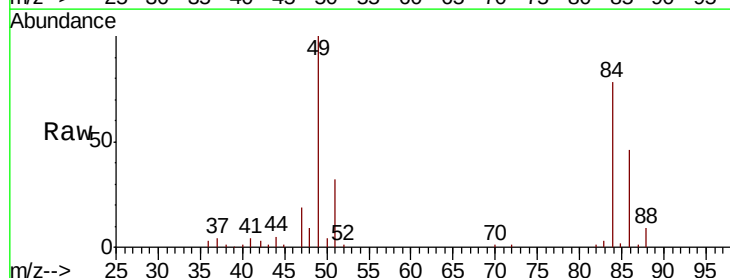
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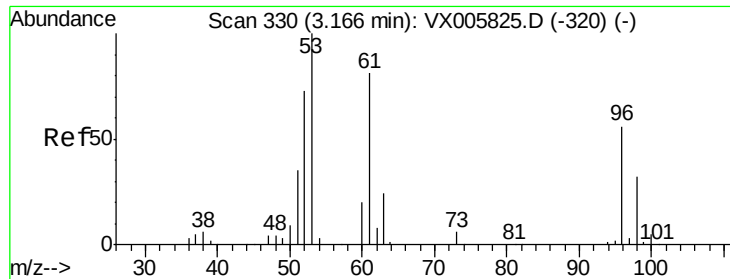
MMDadoda
11/12/2018 9:12:07 AM



#20
Methylene Chloride
Concen: 18.161 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.01 min
Lab File: VX005877.D
Acq: 09 Nov 2018 23:04

Tgt Ion: 84 Resp: 20818
Ion Ratio Lower Upper
84 100
49 128.8 109.5 164.3
51 40.7 33.3 49.9
86 58.9 52.7 79.1





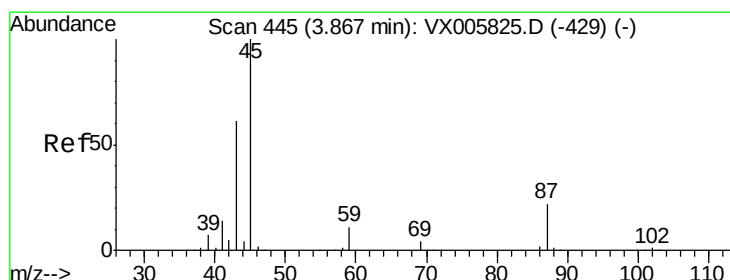
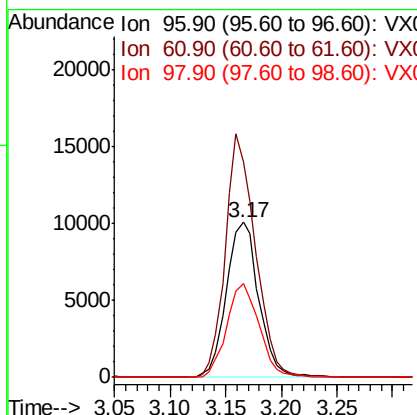
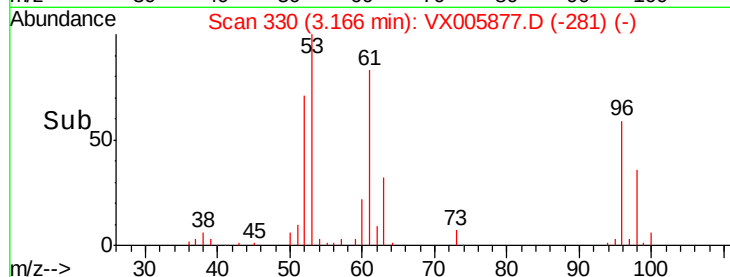
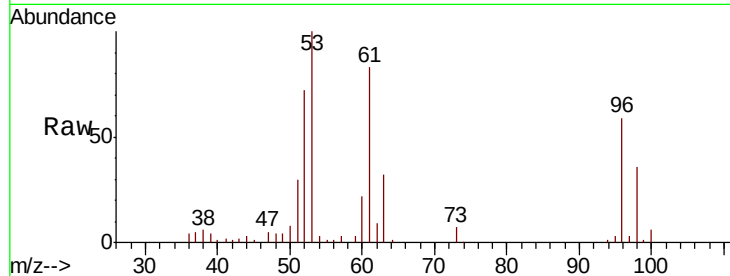
#21
 trans-1,2-Dichloroethene
 Concen: 19.278 ug/l
 RT: 3.17 min Scan# 330
 Delta R.T. -0.00 min
 Lab File: VX005877.D
 Acq: 09 Nov 2018 23:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1109MBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.1	115.6	173.4
98	60.6	50.2	75.2

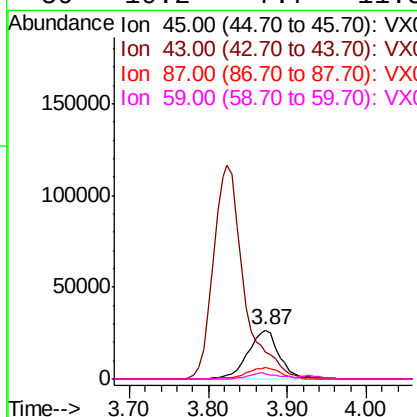
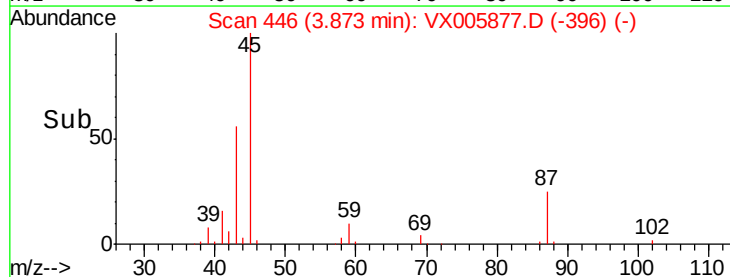
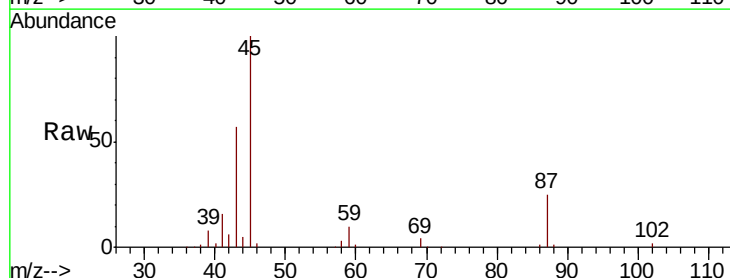
Manual Integrations
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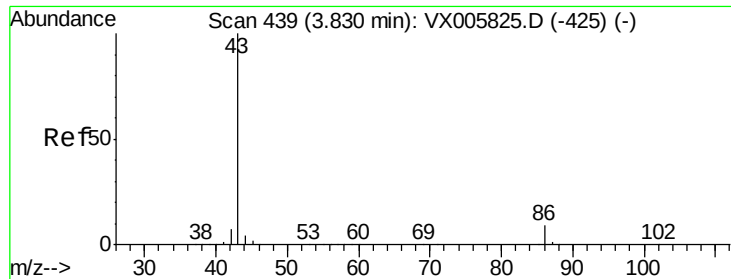
MMDadoda
 11/12/2018 9:12:07 AM



#22
 Diisopropyl ether
 Concen: 18.874 ug/l
 RT: 3.87 min Scan# 446
 Delta R.T. 0.01 min
 Lab File: VX005877.D
 Acq: 09 Nov 2018 23:04

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.6	47.4	71.2
87	24.8	15.9	23.9#
59	10.2	7.7	11.5





#23

Vinyl Acetate

Concen: 94.206 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.01 min

Lab File: VX005877.D

Acq: 09 Nov 2018 23:04

Instrument :

MSVOA_X

ClientSampleID :

VX1109MBS02

Tot Ion: 43 Resp: 314911

Ion Ratio Lower Upper

43 100

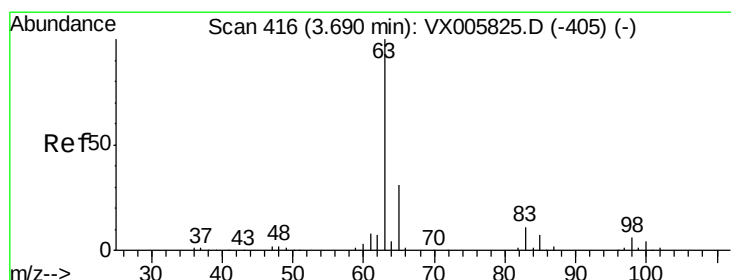
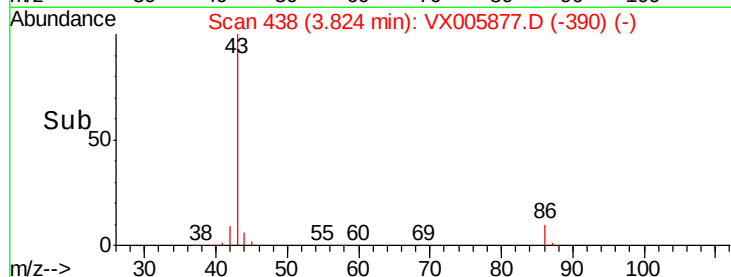
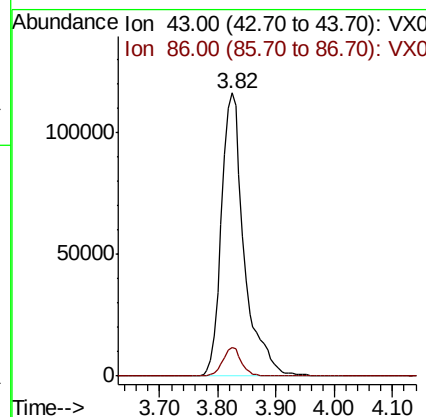
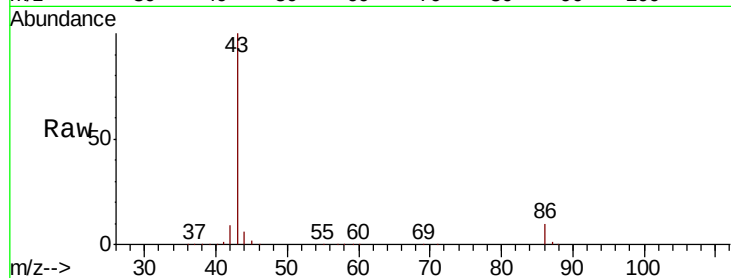
86 10.3 7.4 11.2

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.395 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX005877.D

Acq: 09 Nov 2018 23:04

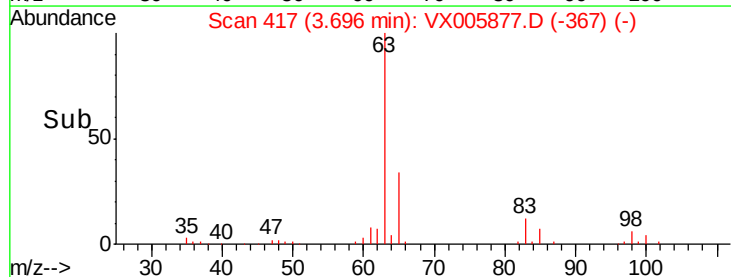
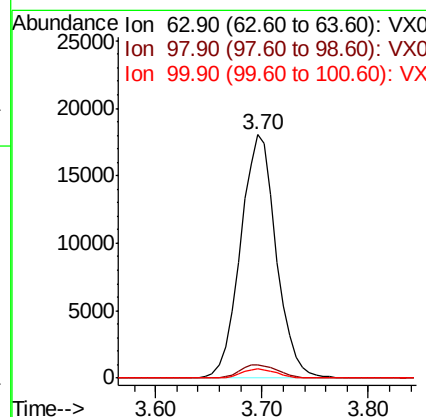
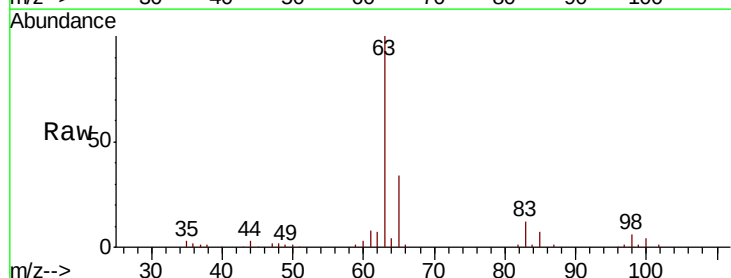
Tgt Ion: 63 Resp: 42423

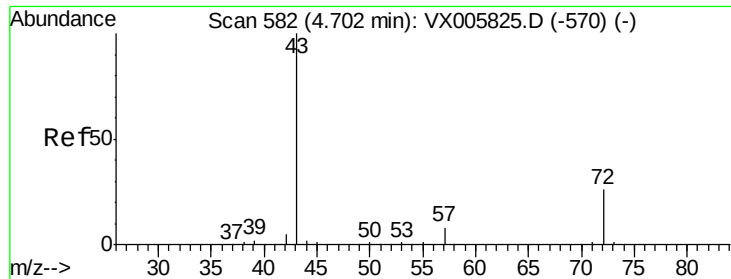
Ion Ratio Lower Upper

63 100

98 5.5 3.2 9.6

100 3.7 2.1 6.2





#25

2-Butanone

Concen: 94.880 ug/l

RT: 4.69 min Scan# 580

Delta R.T. -0.01 min

Lab File: VX005877.D

Acq: 09 Nov 2018 23:04

Instrument :

MSVOA_X

ClientSampleId :

VX1109MBSD02

Tot Ion: 43 Resp: 104095

Ion Ratio Lower Upper

43 100

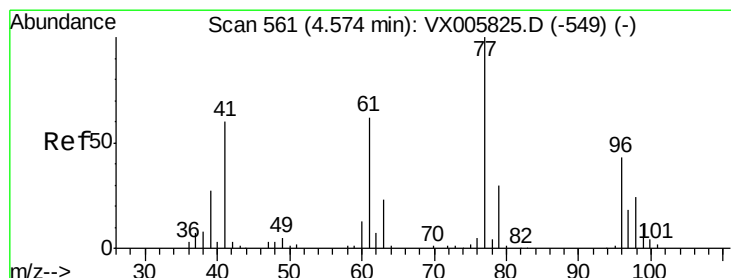
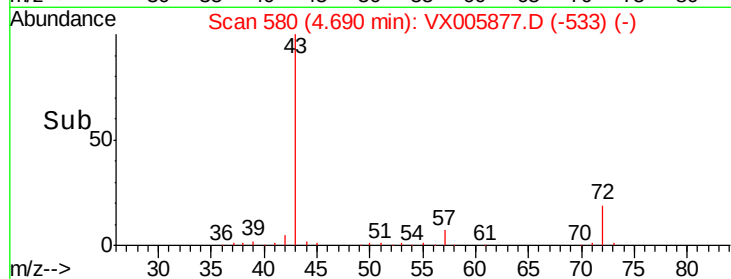
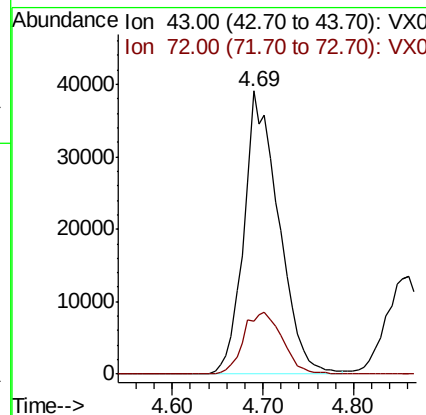
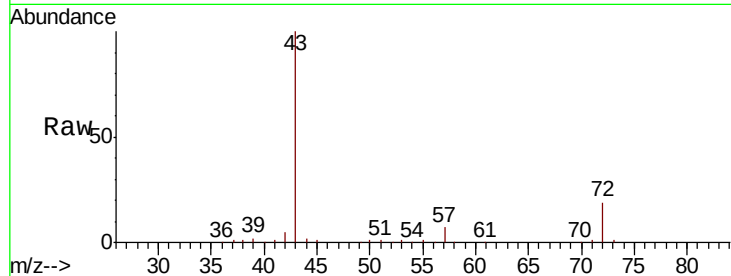
72 18.7 19.2 28.8#

Manual Integrations

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MMDadoda

11/12/2018 9:12:07 AM



#26

2,2-Dichloropropane

Concen: 17.249 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX005877.D

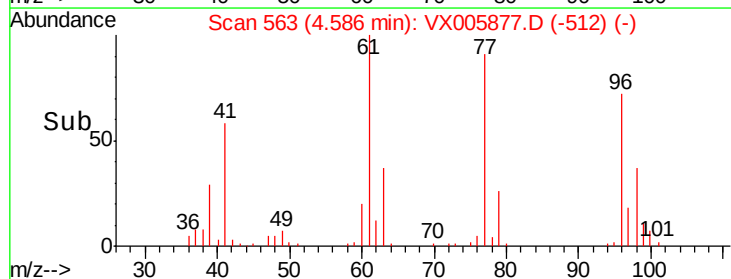
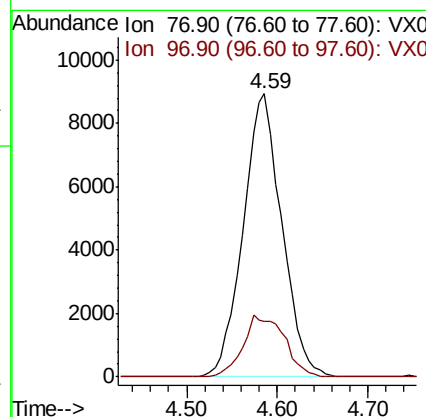
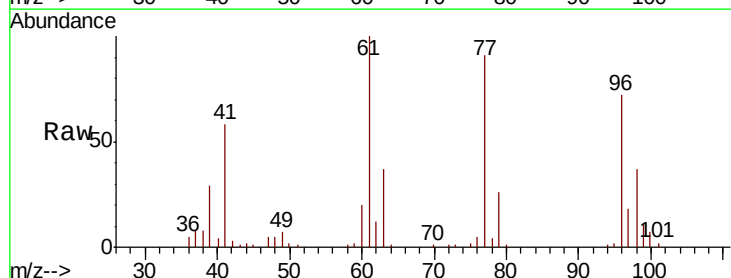
Acq: 09 Nov 2018 23:04

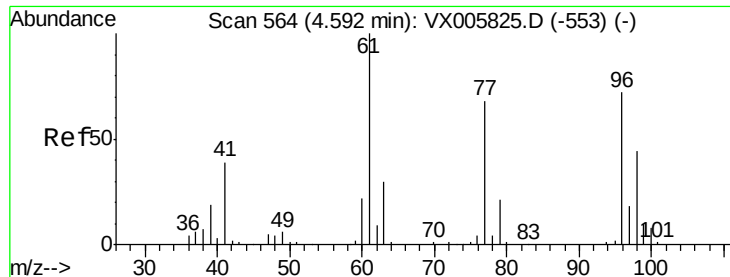
Tgt Ion: 77 Resp: 26319

Ion Ratio Lower Upper

77 100

97 23.1 11.5 34.5





#27

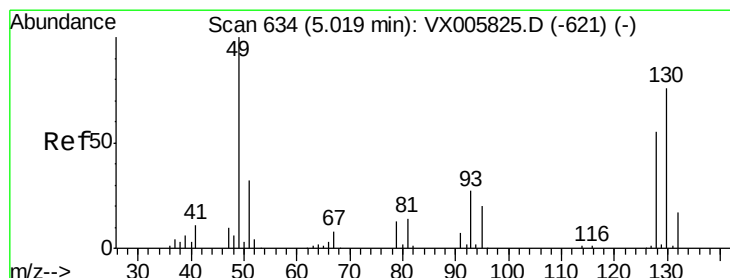
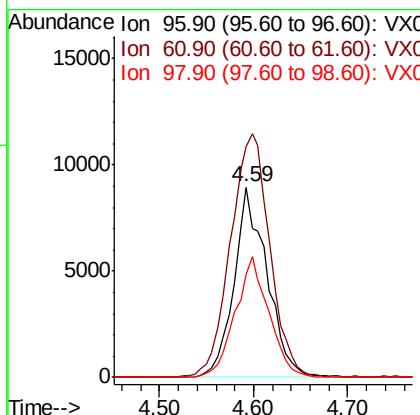
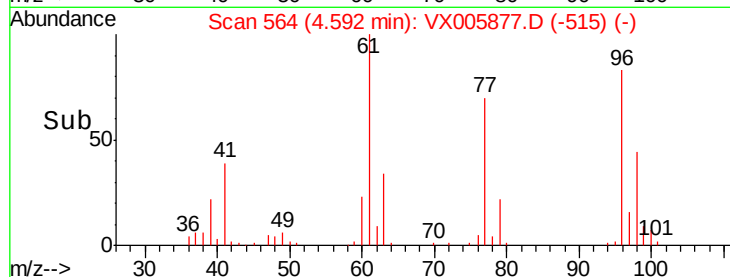
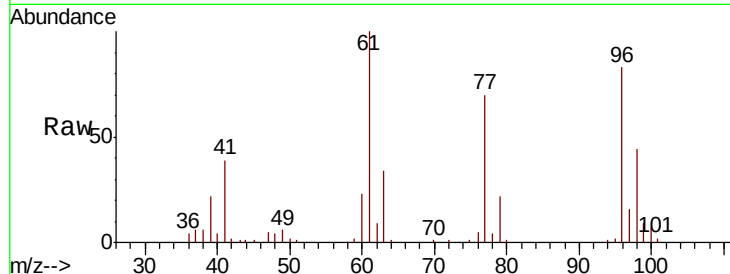
cis-1,2-Dichloroethene
Concen: 18.716 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.00 min
Lab File: VX005877.D
Acq: 09 Nov 2018 23:04

Instrument :
MSVOA_X
ClientSampleId :
VX1109MBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.7	0.0	304.6
98	64.8	0.0	127.4

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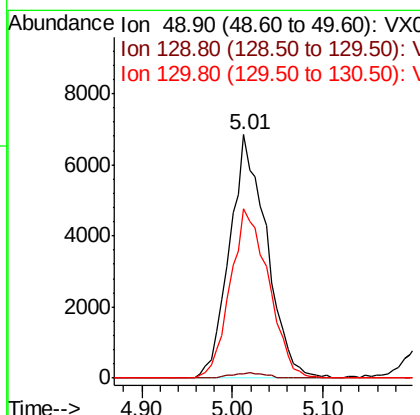
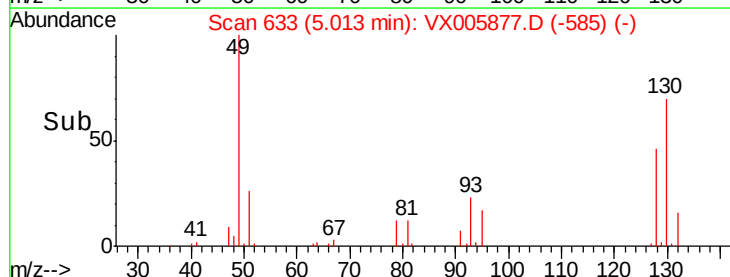
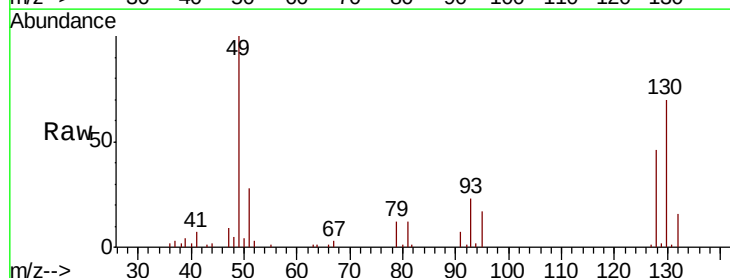
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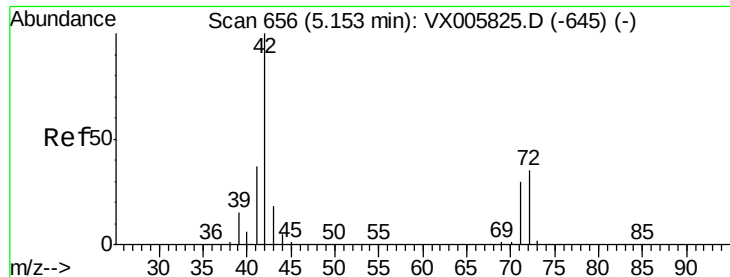


#28

Bromochloromethane
Concen: 20.844 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX005877.D
Acq: 09 Nov 2018 23:04

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.0
130	71.8	58.9	88.3





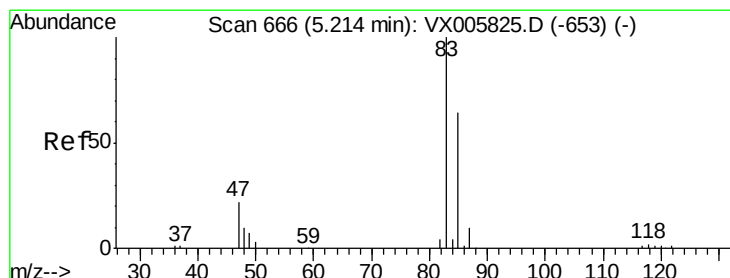
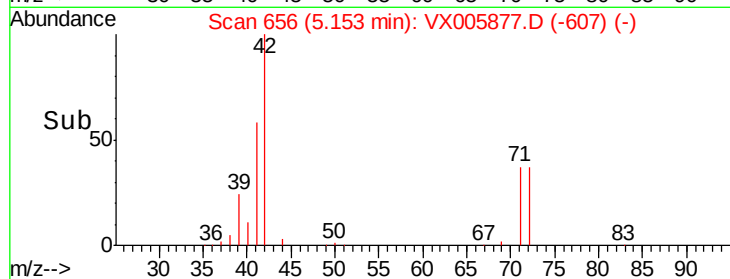
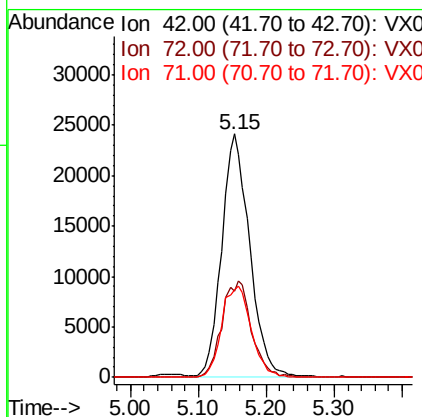
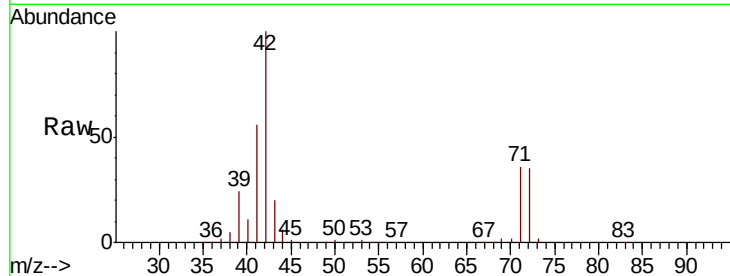
#29
Tetrahydrofuran
Concen: 97.427 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX005877.D
Acq: 09 Nov 2018 23:04

Instrument :
MSVOA_X
ClientSampleId :
VX1109MBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.6	32.0	48.0
71	39.5	29.8	44.8

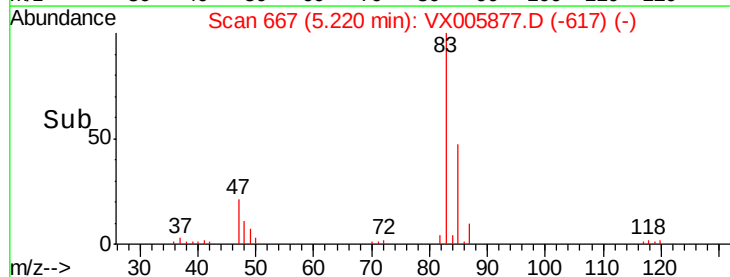
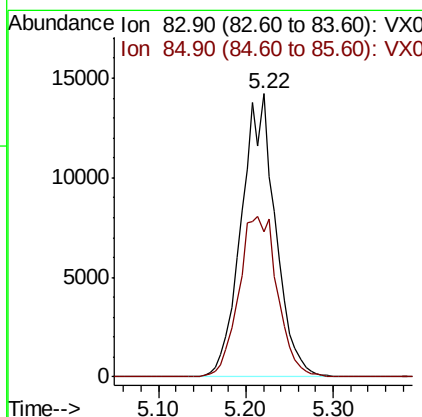
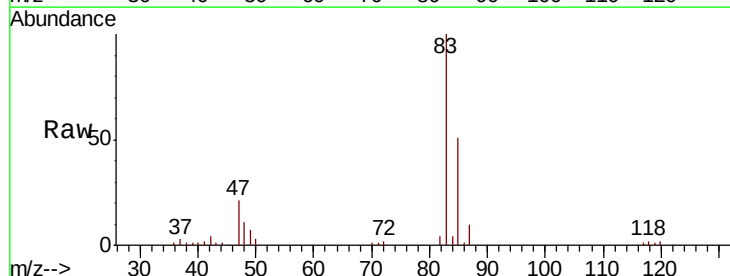
Manual Integrations
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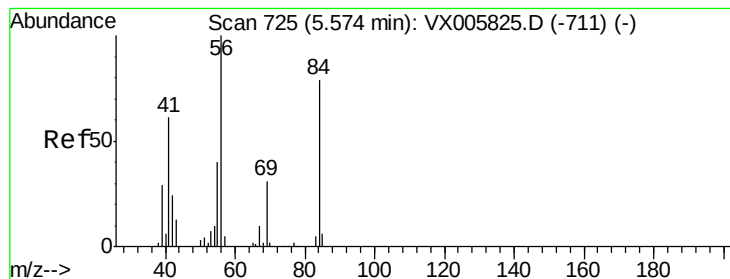
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#30
Chloroform
Concen: 19.238 ug/l
RT: 5.22 min Scan# 667
Delta R.T. 0.01 min
Lab File: VX005877.D
Acq: 09 Nov 2018 23:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	51.3	50.6	76.0





#31

Cvclohexane

Concen: 19.006 ug/l

RT: 5.57 min Scan# 724

Delta R.T. -0.01 min

Lab File: VX005877.D

Acq: 09 Nov 2018 23:04

Instrument :

MSVOA_X

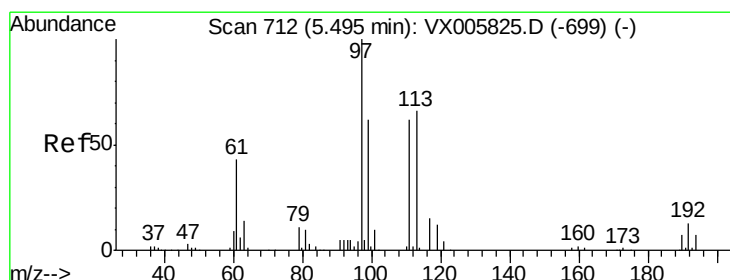
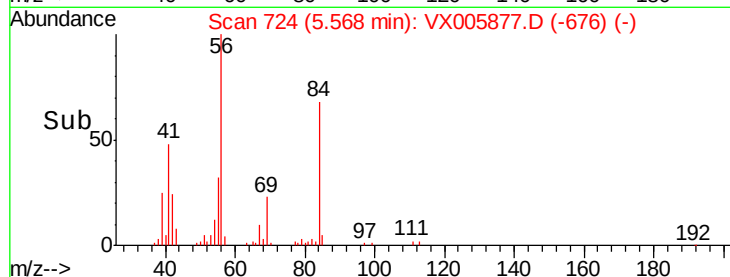
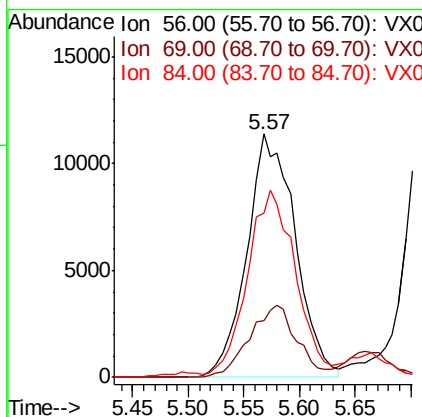
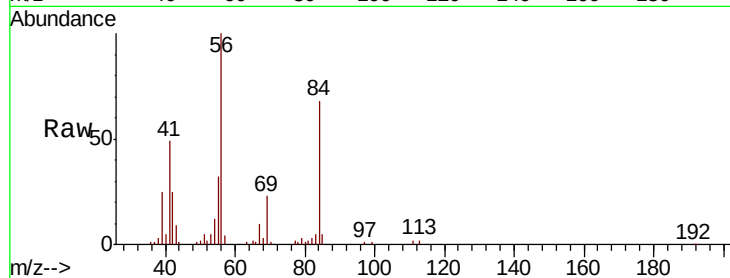
ClientSampleId :

VX1109MBS02

Tot Ion:	56	Resp:	34317
Ion	Ratio	Lower	Upper
56	100		
69	23.4	22.6	34.0
84	65.6	62.7	94.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.354 ug/l

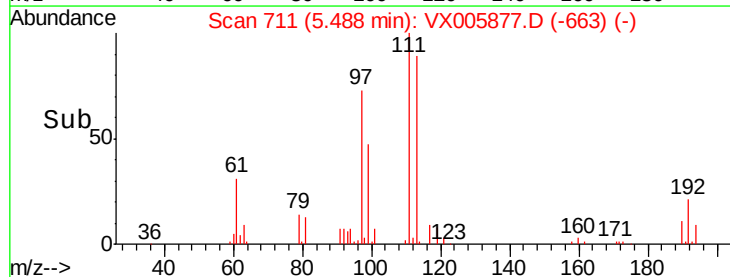
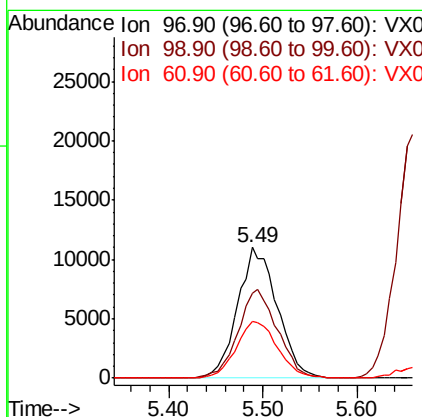
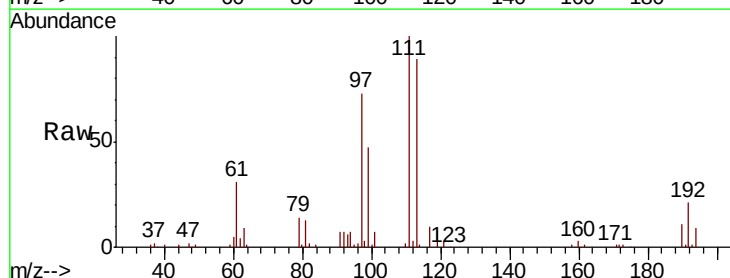
RT: 5.49 min Scan# 711

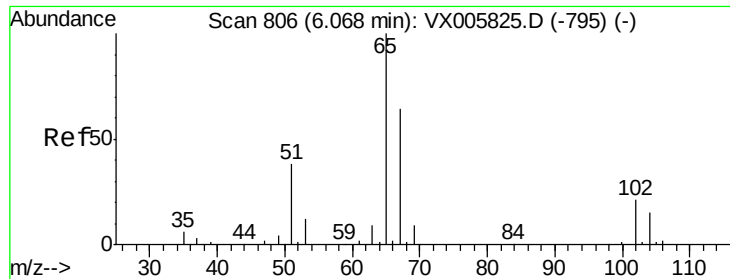
Delta R.T. -0.01 min

Lab File: VX005877.D

Acq: 09 Nov 2018 23:04

Tgt Ion:	97	Resp:	32395
Ion	Ratio	Lower	Upper
97	100		
99	67.2	52.3	78.5
61	44.9	35.2	52.8





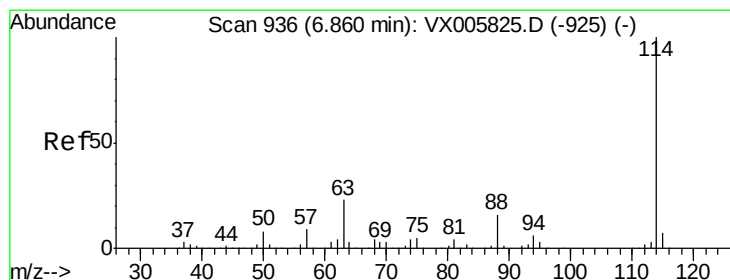
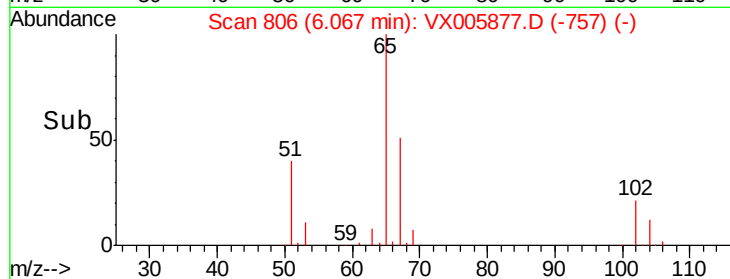
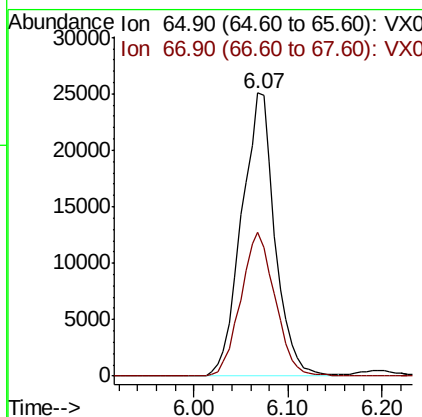
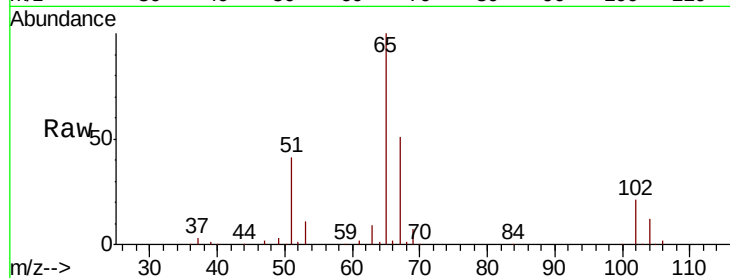
#33
 1,2-Dichloroethane-d4
 Concen: 47.921 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX005877.D
 Acq: 09 Nov 2018 23:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1109MBS02

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	105.0

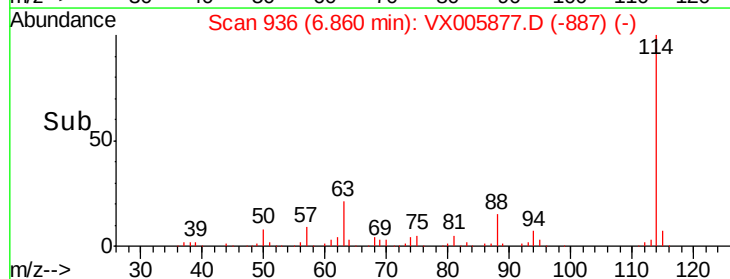
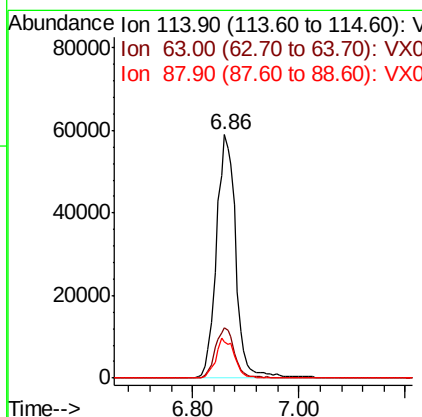
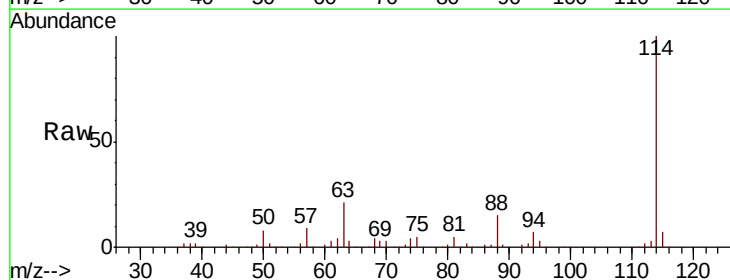
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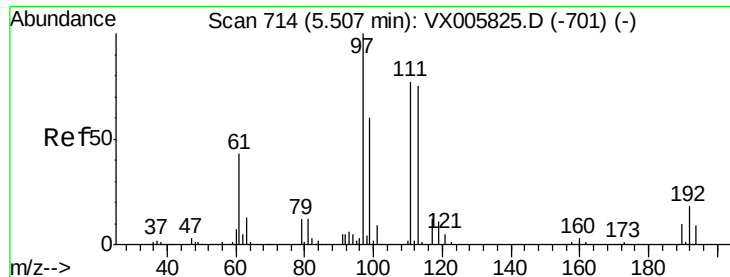
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005877.D
 Acq: 09 Nov 2018 23:04

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	42.8
88	15.0	0.0	31.2





#35

Dibromofluoromethane

Concen: 48.265 ug/l

RT: 5.51 min Scan# 714

Delta R.T. -0.00 min

Lab File: VX005877.D

Acq: 09 Nov 2018 23:04

Instrument :

MSVOA_X

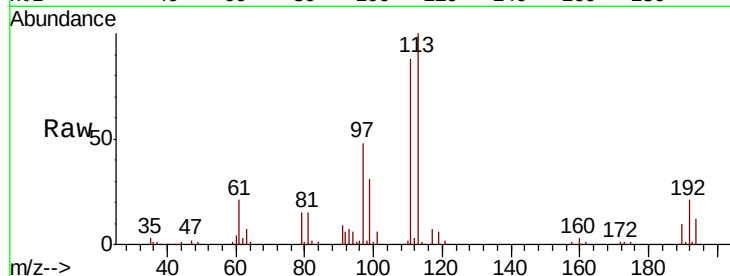
ClientSampleId :

VX1109MBSD02

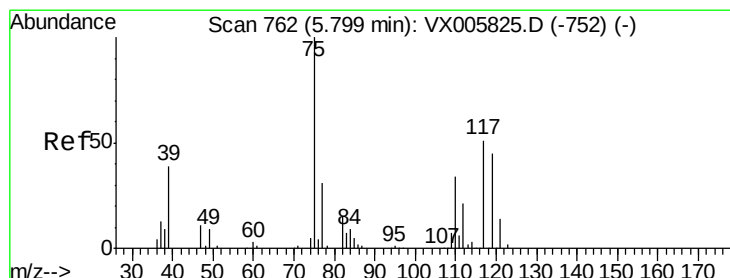
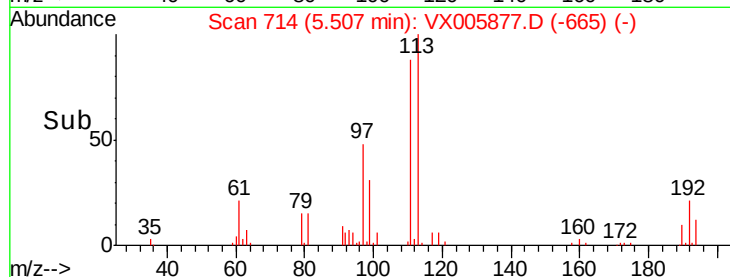
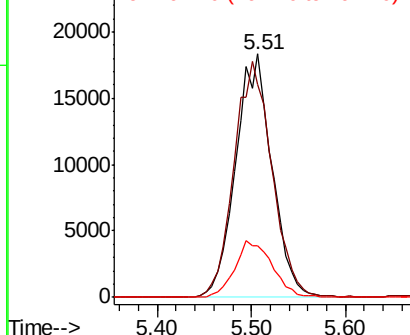
Tot Ion:	113	Resp:	49304
Ion	Ratio	Lower	Upper
113	100		
111	101.6	82.3	123.5
192	23.7	17.9	26.9

Manual Integrations
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Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.364 ug/l

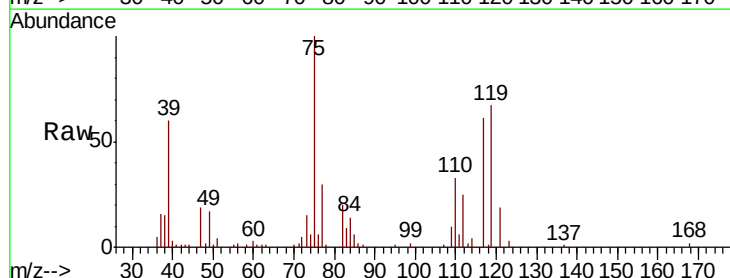
RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

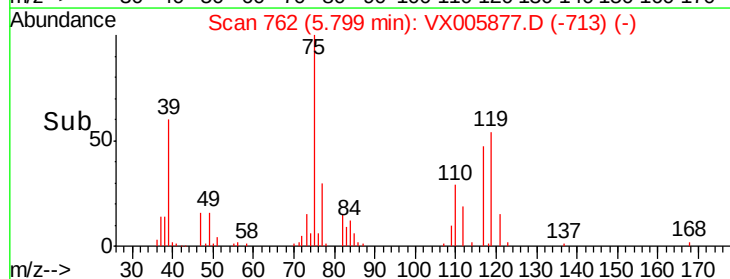
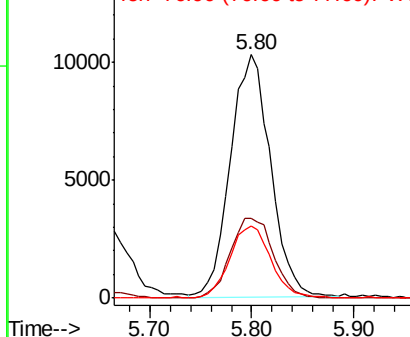
Lab File: VX005877.D

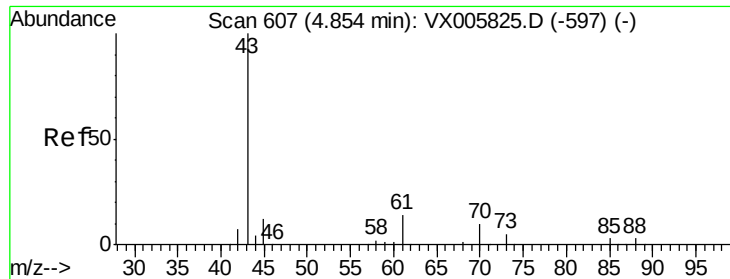
Acq: 09 Nov 2018 23:04

Tgt Ion:	75	Resp:	28037
Ion	Ratio	Lower	Upper
75	100		
110	35.4	17.4	52.2
77	30.6	25.8	38.6



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VX0





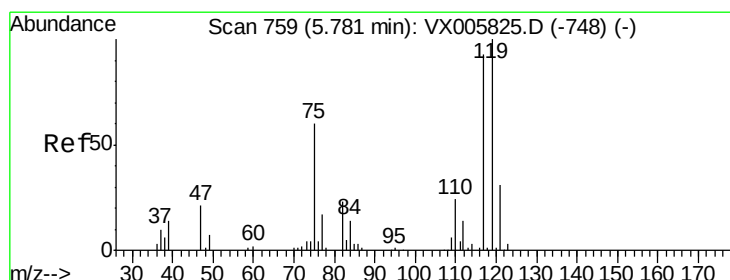
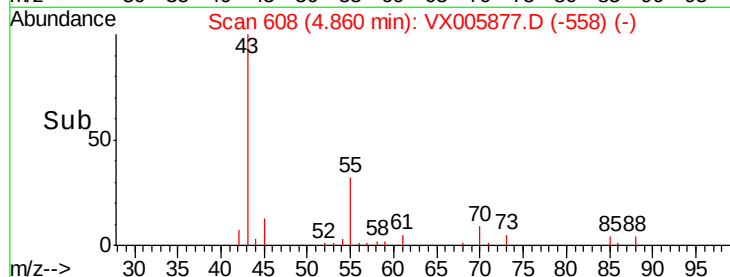
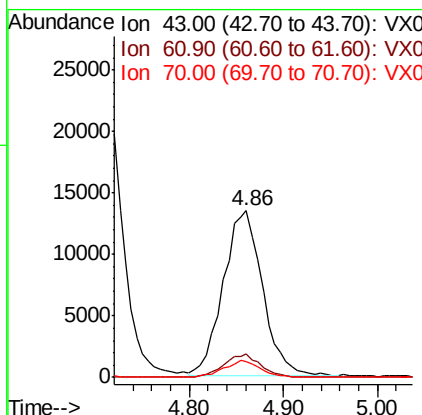
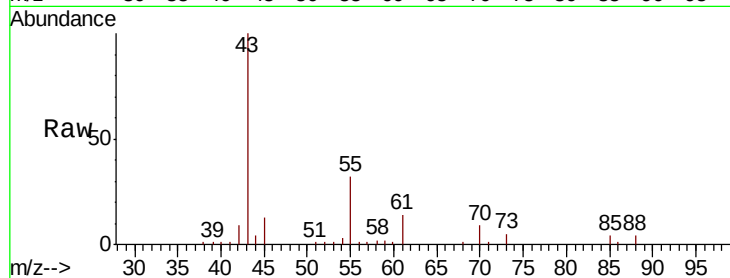
#37
Ethyl Acetate
Concen: 20.436 ug/l
RT: 4.86 min Scan# 608
Delta R.T. 0.01 min
Lab File: VX005877.D
Acq: 09 Nov 2018 23:04

Instrument :
MSVOA_X
ClientSampleId :
VX1109MBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.8	16.2
70	9.3	7.8	11.8

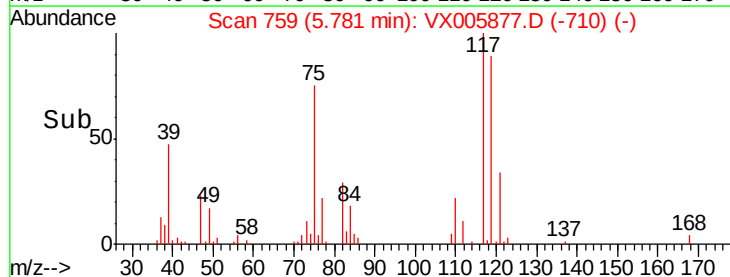
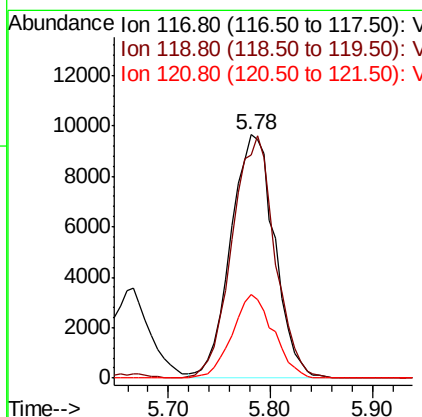
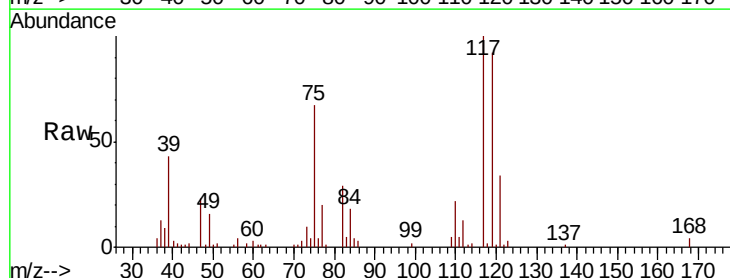
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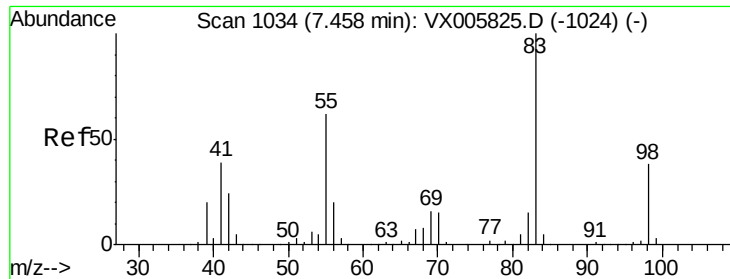
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#38
Carbon Tetrachloride
Concen: 19.863 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX005877.D
Acq: 09 Nov 2018 23:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.9	78.1	117.1
121	34.2	24.6	36.8





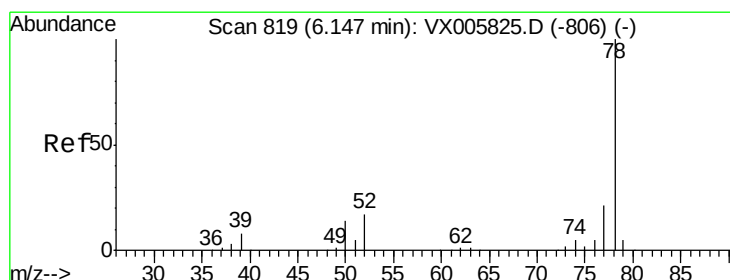
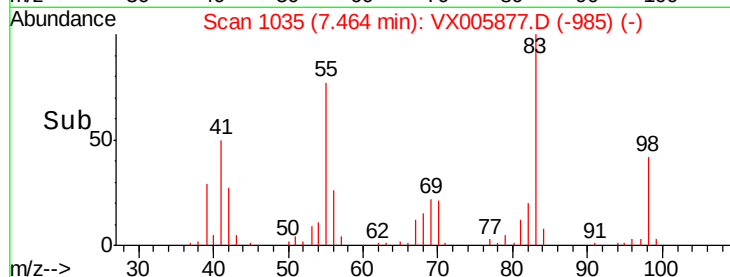
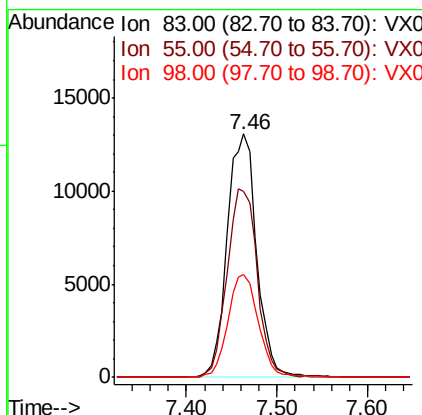
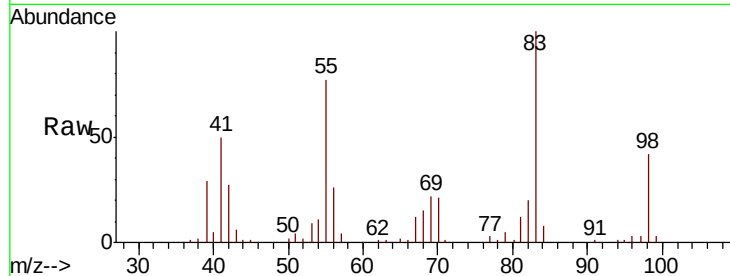
#39
Methylvlcyclohexane
Concen: 20.058 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX005877.D
Acq: 09 Nov 2018 23:04

Instrument :
MSVOA_X
ClientSampleId :
VX1109MBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.5	63.7	95.5
98	42.1	36.2	54.2

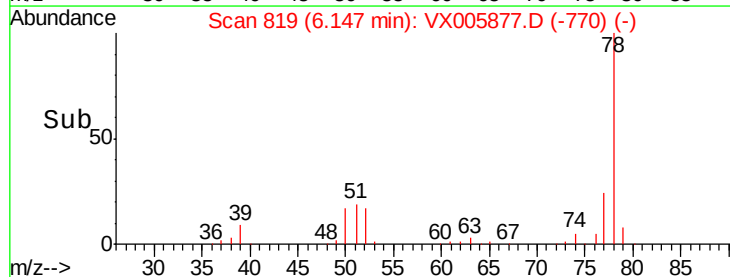
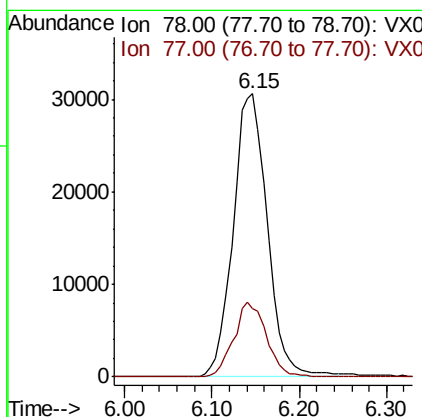
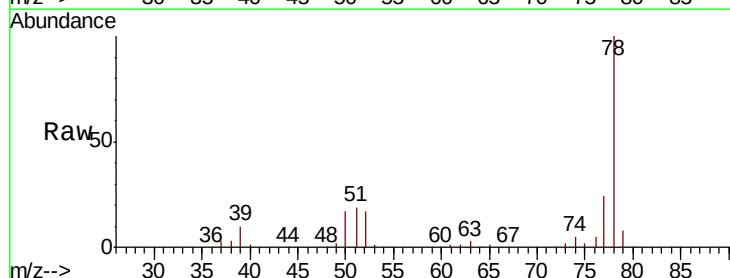
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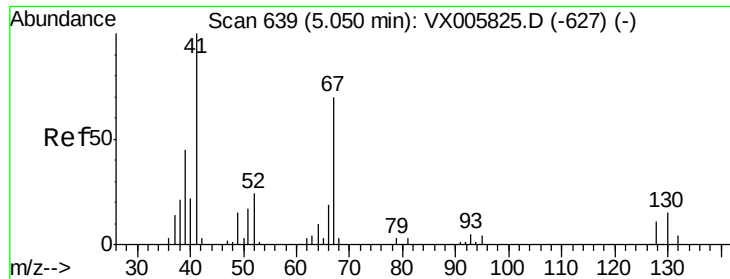
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#40
Benzene
Concen: 19.651 ug/l
RT: 6.15 min Scan# 819
Delta R.T. -0.00 min
Lab File: VX005877.D
Acq: 09 Nov 2018 23:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.4	27.6





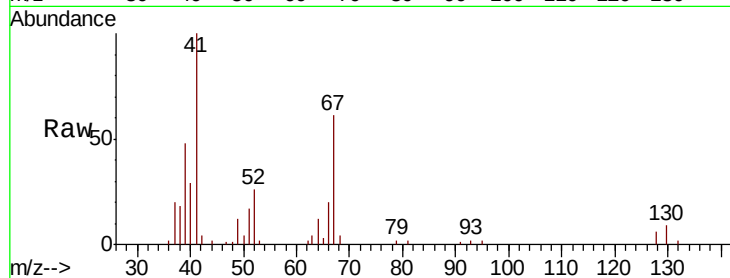
#41
Methacrylonitrile
Concen: 20.073 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.01 min
Lab File: VX005877.D
Acq: 09 Nov 2018 23:04

Instrument :
MSVOA_X
ClientSampleId :
VX1109MBS02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.1	42.2	63.2	
67	63.7	53.4	80.0	
52	29.7	23.4	35.2	

Manual Integrations
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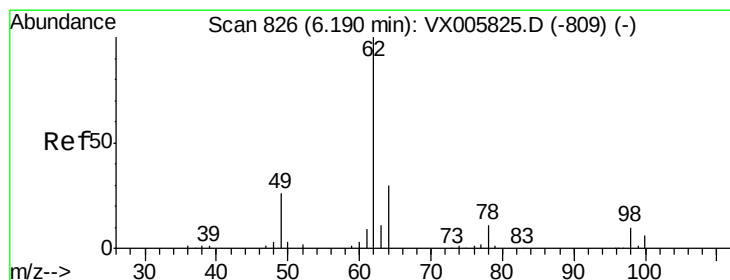
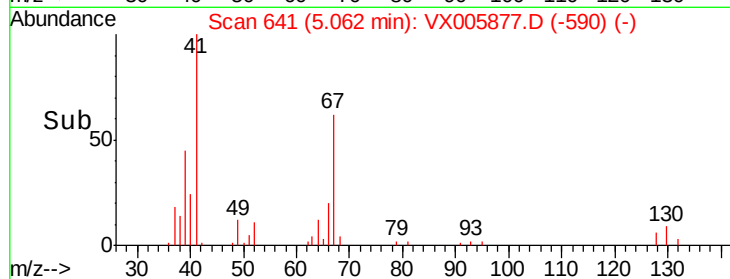
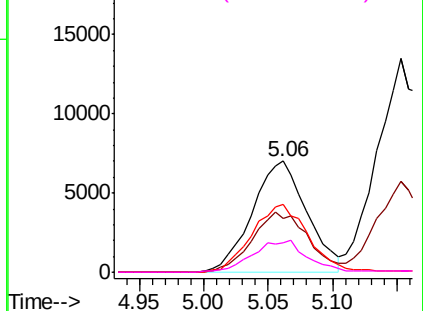
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

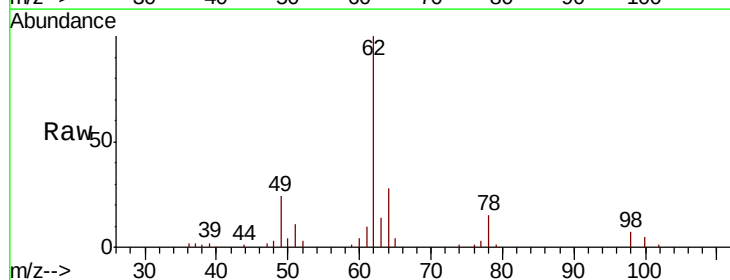
Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42
1,2-Dichloroethane
Concen: 20.713 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.00 min
Lab File: VX005877.D
Acq: 09 Nov 2018 23:04

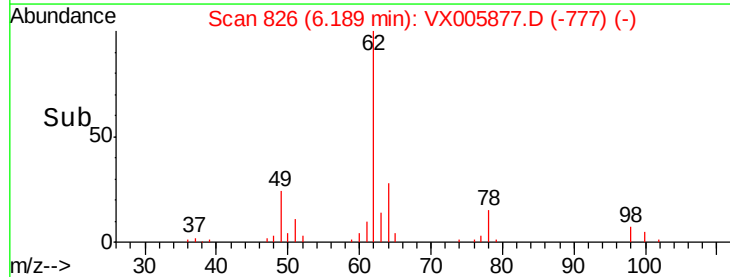
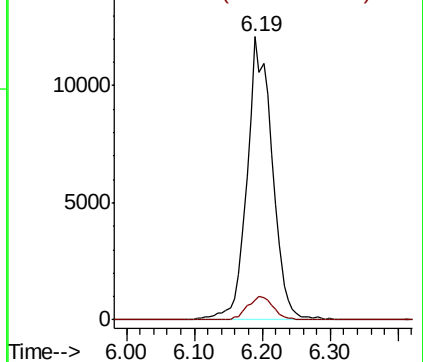
Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.3	0.0	17.8	

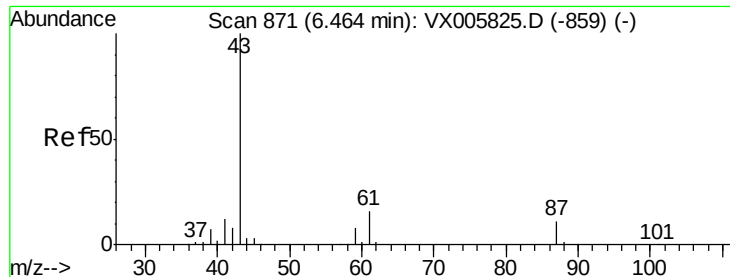


Abundance

Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 20.489 ug/l

RT: 6.46 min Scan# 871

Delta R.T. -0.00 min

Lab File: VX005877.D

Acq: 09 Nov 2018 23:04

Instrument :

MSVOA_X

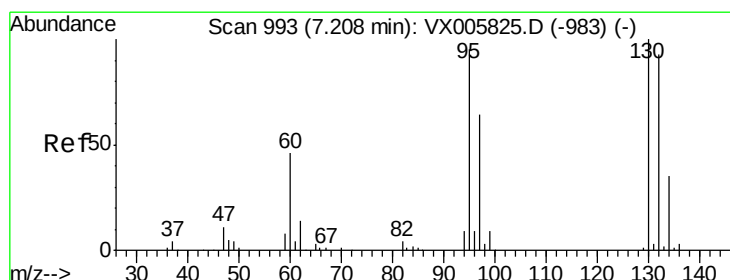
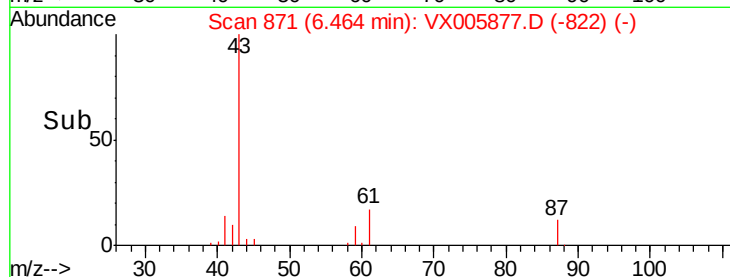
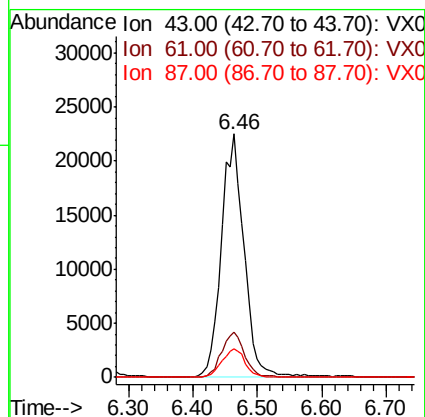
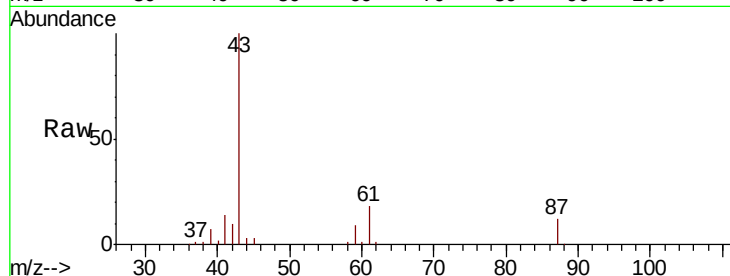
ClientSampleId :

VX1109MBS02

Tot Ion:	43	Resp:	56528
Ion	Ratio	Lower	Upper
43	100		
61	18.6	14.6	22.0
87	11.9	9.6	14.4

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#44

Trichloroethene

Concen: 18.908 ug/l

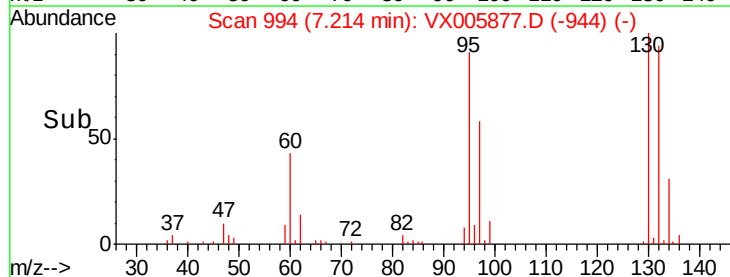
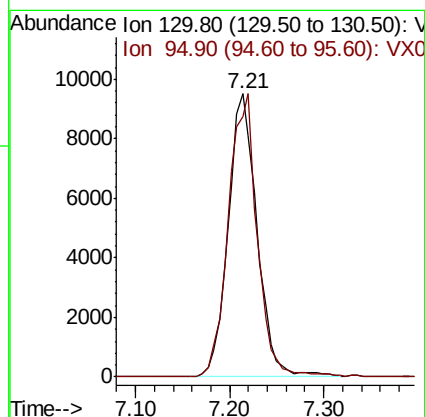
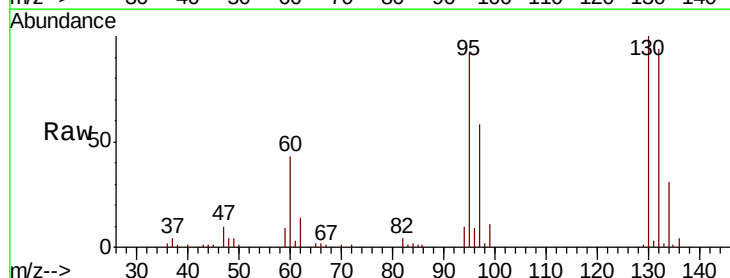
RT: 7.21 min Scan# 994

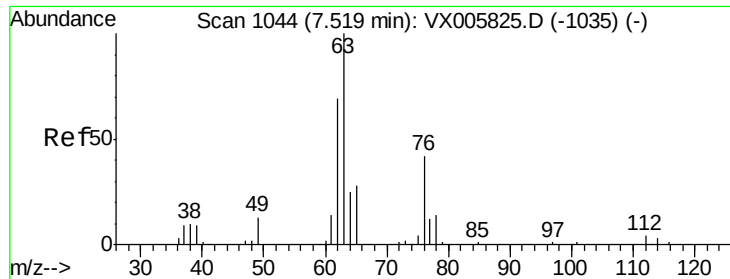
Delta R.T. 0.01 min

Lab File: VX005877.D

Acq: 09 Nov 2018 23:04

Tgt Ion:	130	Resp:	20268
Ion	Ratio	Lower	Upper
130	100		
95	91.9	0.0	194.2





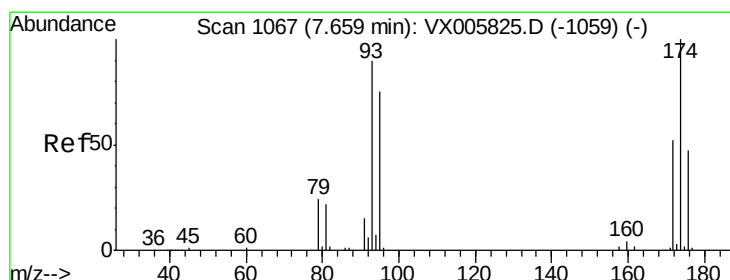
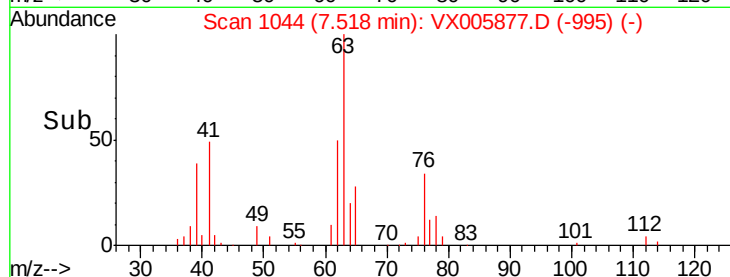
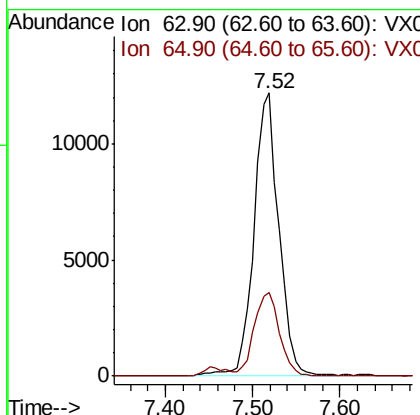
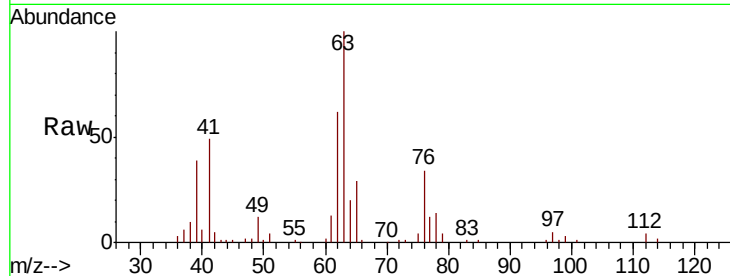
#45
 1,2-Dichloropropane
 Concen: 23.462 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: VX005877.D
 Acq: 09 Nov 2018 23:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1109MBSD02

Tot Ion: 63 Resp: 24036
 Ion Ratio Lower Upper
 63 100
 65 29.5 24.8 37.2

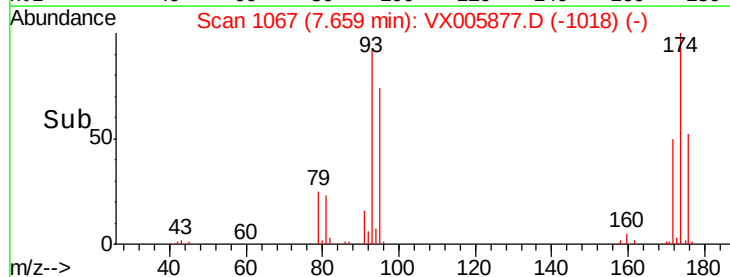
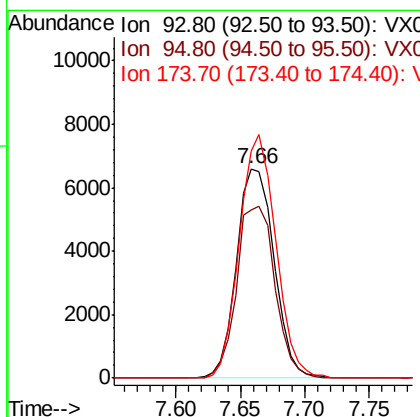
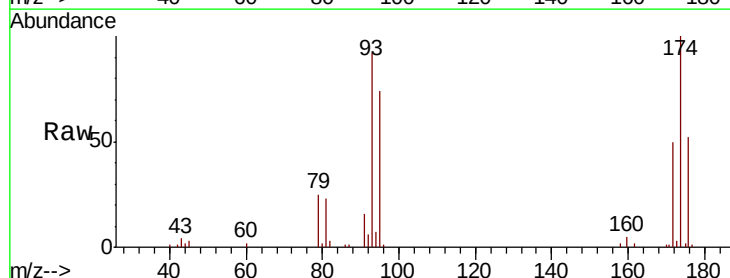
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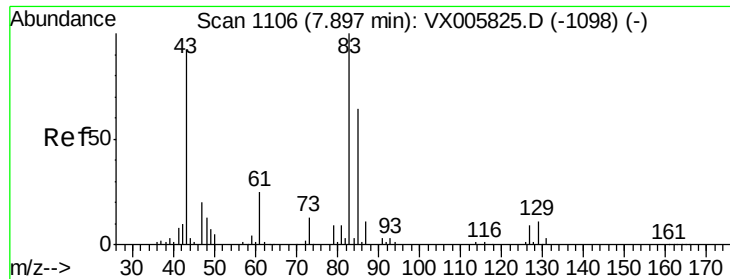
MMDadoda
 11/12/2018 9:12:07 AM



#46
 Dibromomethane
 Concen: 20.747 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX005877.D
 Acq: 09 Nov 2018 23:04

Tgt Ion: 93 Resp: 13338
 Ion Ratio Lower Upper
 93 100
 95 83.7 67.4 101.0
 174 112.5 91.5 137.3





#47

Bromodichloromethane

Concen: 20.719 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX005877.D

Acq: 09 Nov 2018 23:04

Instrument :

MSVOA_X

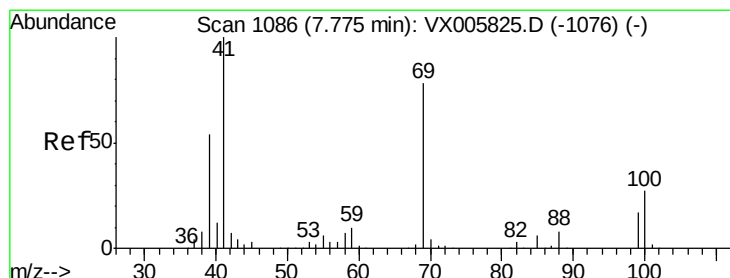
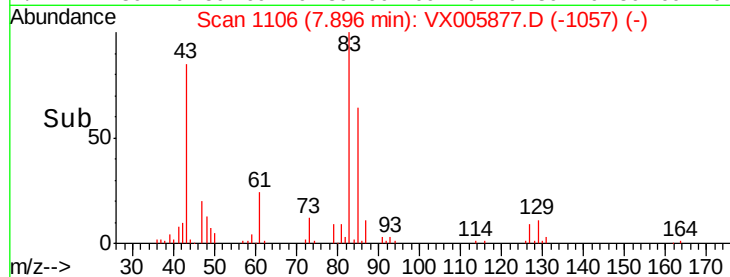
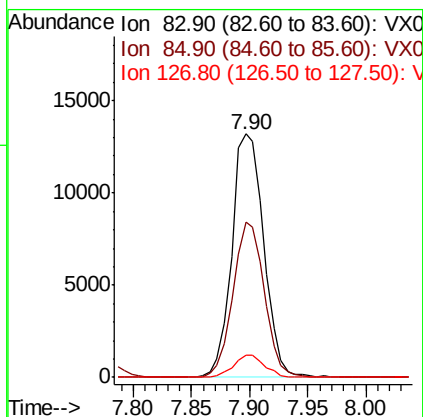
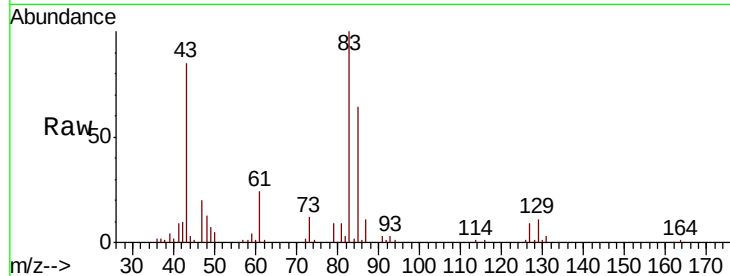
ClientSampled :

VX1109MBS02

Tot Ion:	83	Resp:	25173
Ion	Ratio	Lower	Upper
83	100		
85	63.5	50.2	75.4
127	8.9	6.9	10.3

Manual Integrations
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MMDadoda
11/12/2018 9:12:07 AM



#48

Methyl methacrylate

Concen: 20.829 ug/l

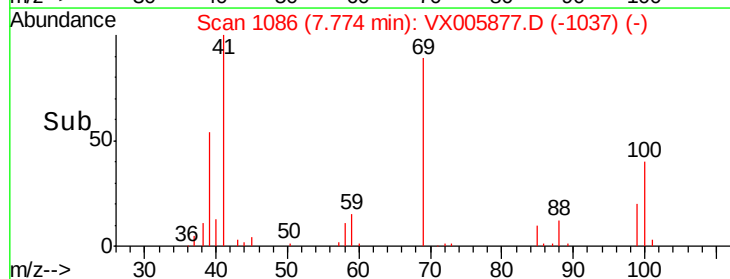
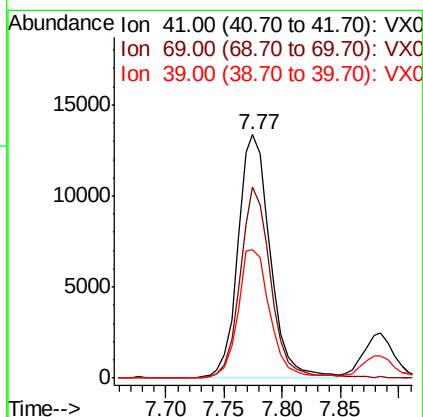
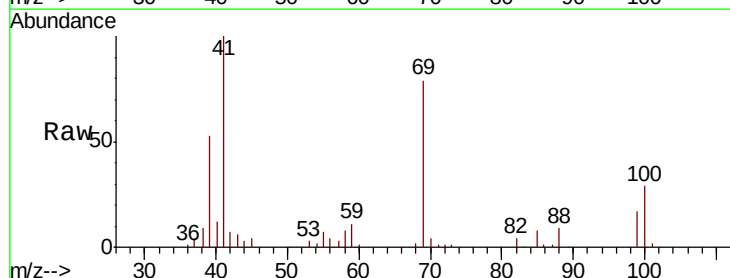
RT: 7.77 min Scan# 1086

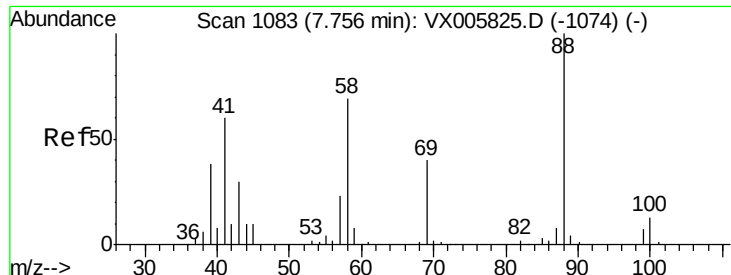
Delta R.T. -0.00 min

Lab File: VX005877.D

Acq: 09 Nov 2018 23:04

Tgt Ion:	41	Resp:	25803
Ion	Ratio	Lower	Upper
41	100		
69	75.0	63.2	94.8
39	52.9	42.2	63.2





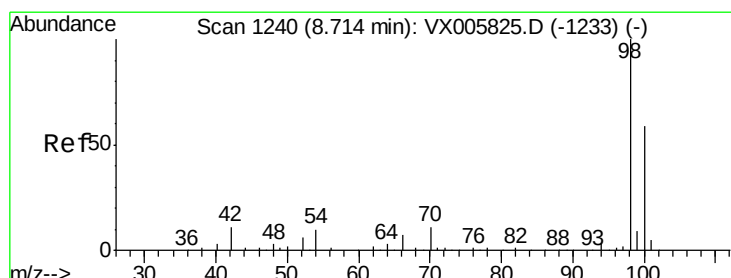
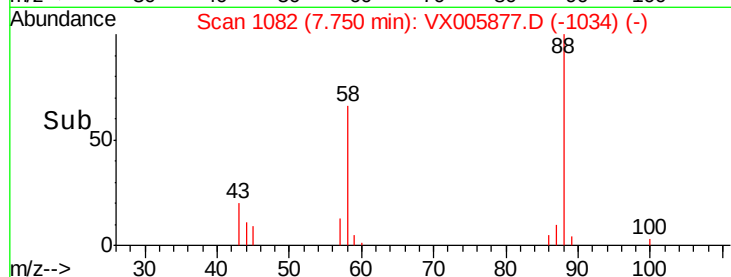
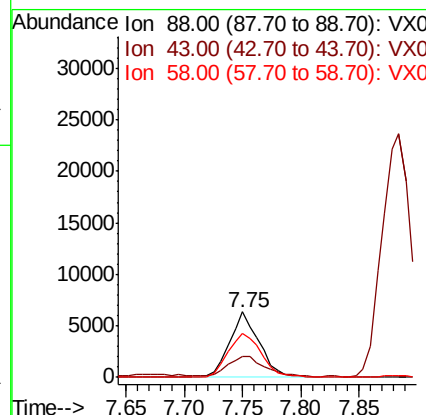
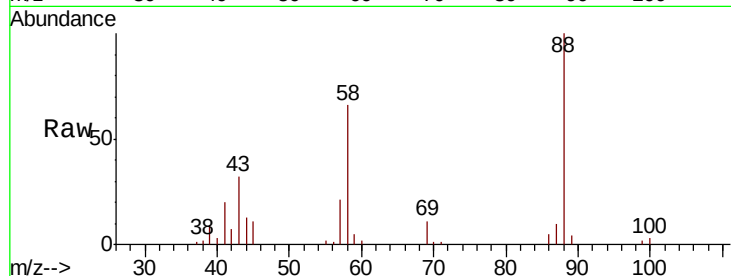
#49
1,4-Dioxane
Concen: 419.265 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX005877.D
Acq: 09 Nov 2018 23:04

Instrument :
MSVOA_X
ClientSampleId :
VX1109MBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.1	27.4	41.0
58	75.6	59.4	89.2

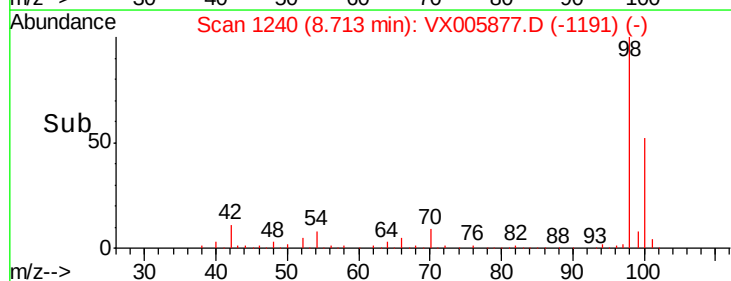
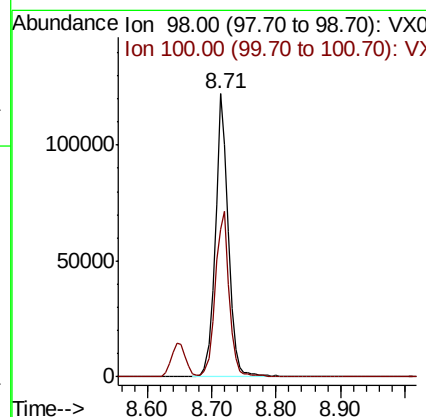
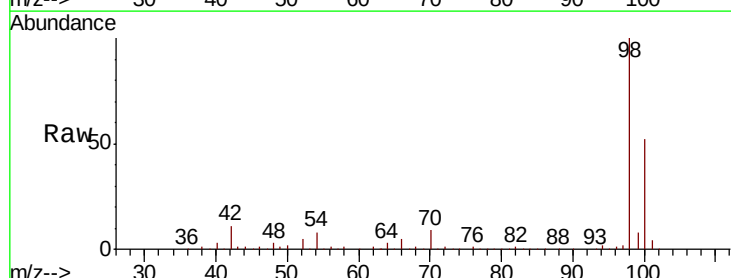
Manual Integrations
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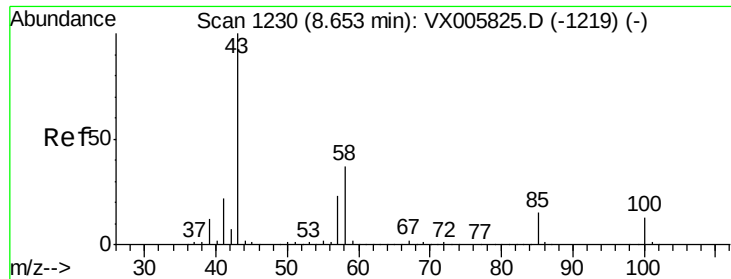
MMDadoda
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#50
Toluene-d8
Concen: 50.846 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005877.D
Acq: 09 Nov 2018 23:04

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.9	51.3	76.9





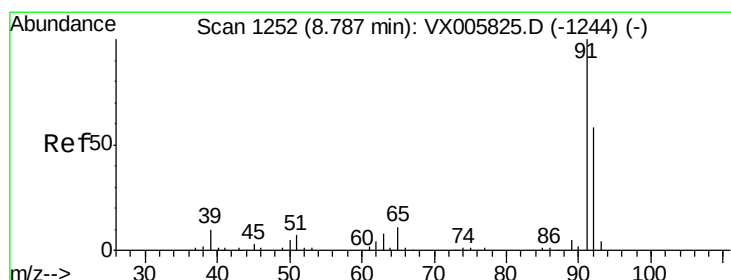
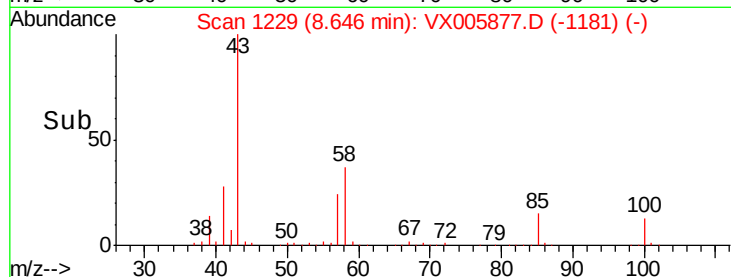
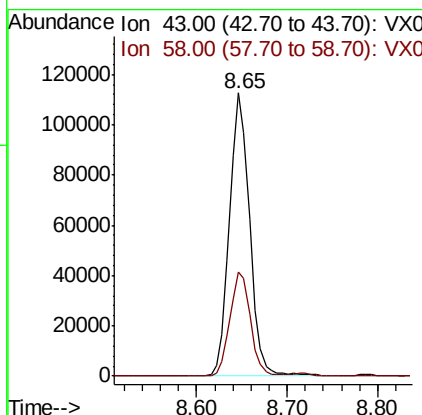
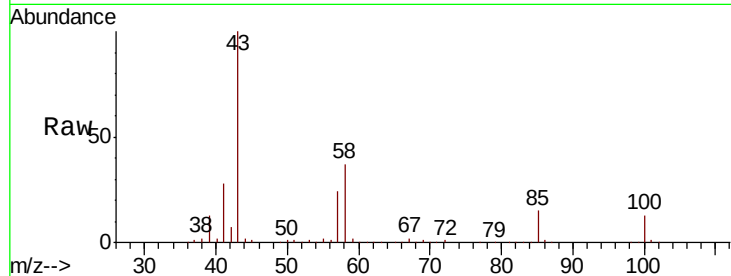
#51
4-Methyl-2-Pentanone
Concen: 100.763 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.01 min
Lab File: VX005877.D
Acq: 09 Nov 2018 23:04

Instrument :
MSVOA_X
ClientSampleId :
VX1109MBS02

Tot Ion: 43 Resp: 175204
Ion Ratio Lower Upper
43 100
58 37.3 29.7 44.5

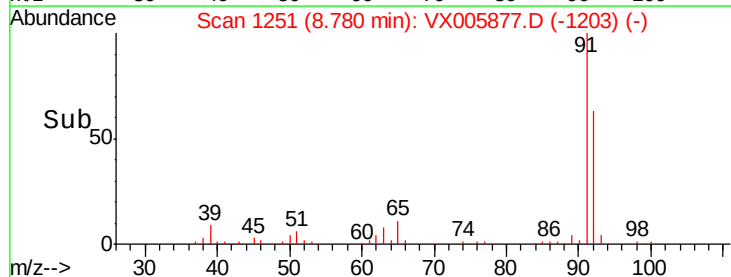
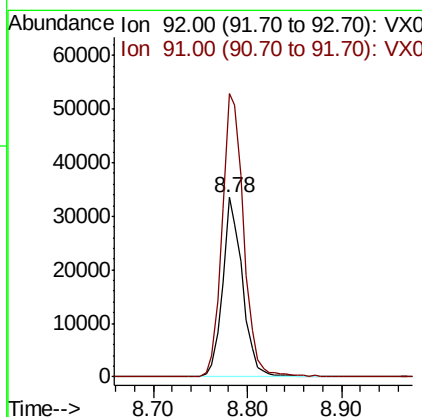
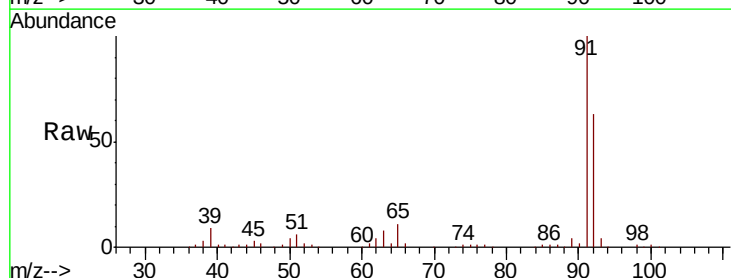
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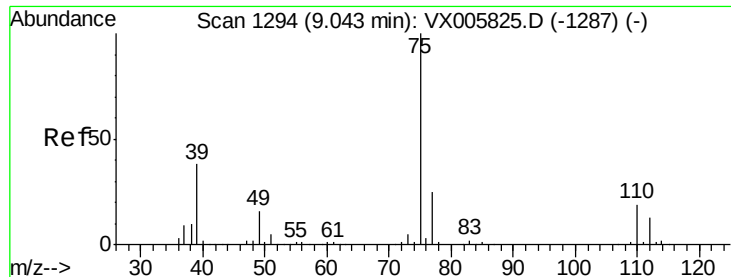
MMDadoda
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#52
Toluene
Concen: 20.715 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX005877.D
Acq: 09 Nov 2018 23:04

Tgt Ion: 92 Resp: 48868
Ion Ratio Lower Upper
92 100
91 171.2 140.4 210.6





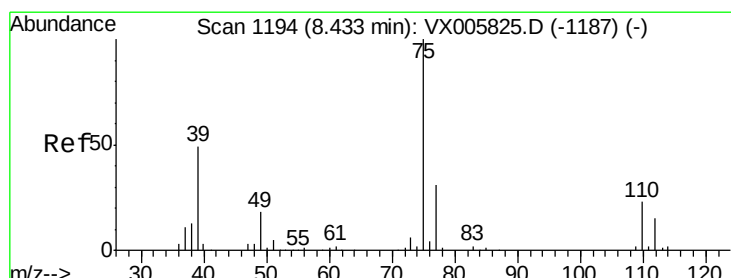
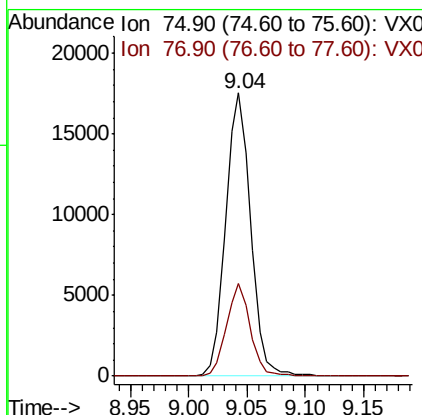
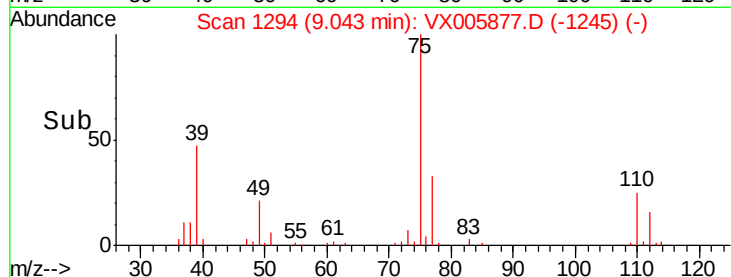
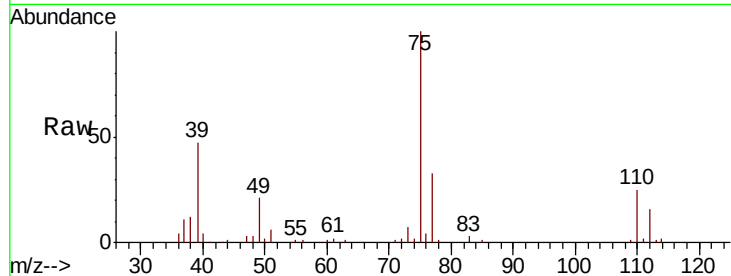
#53
t-1,3-Dichloropropene
Concen: 18.152 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX005877.D
Acq: 09 Nov 2018 23:04

Instrument :
MSVOA_X
ClientSampleId :
VX1109MBS02

Tot Ion: 75 Resp: 26026
Ion Ratio Lower Upper
75 100
77 32.7 25.4 38.2

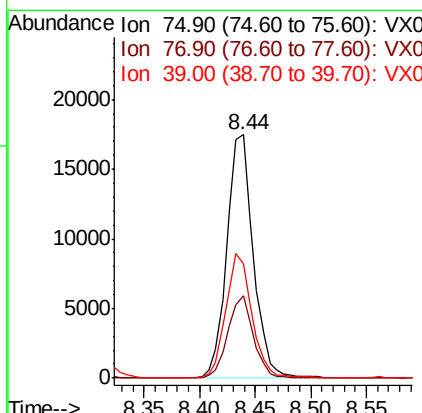
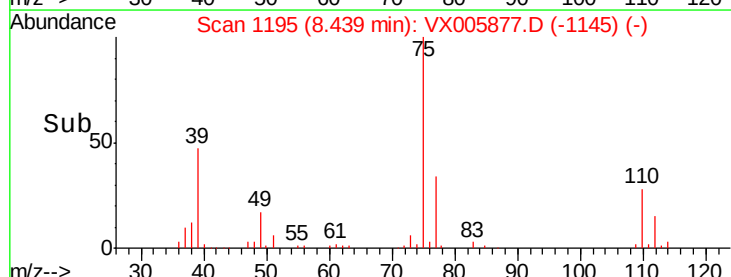
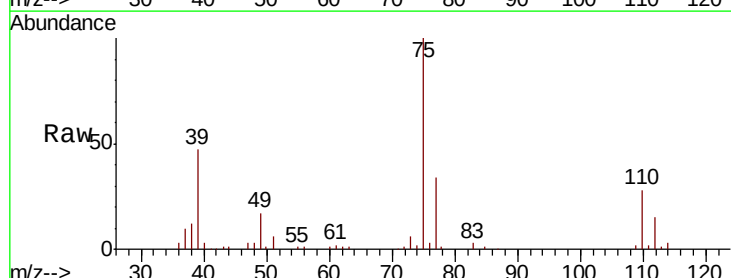
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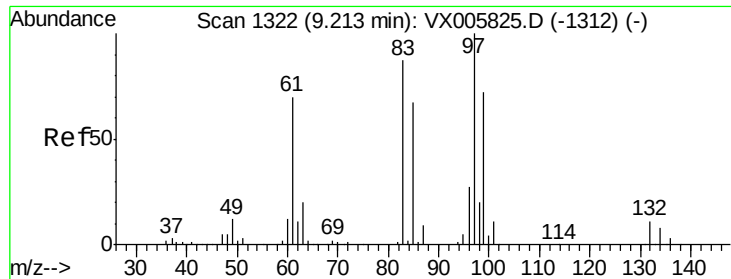
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11/12/2018 9:12:07 AM



#54
cis-1,3-Dichloropropene
Concen: 19.683 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. 0.01 min
Lab File: VX005877.D
Acq: 09 Nov 2018 23:04

Tgt Ion: 75 Resp: 28764
Ion Ratio Lower Upper
75 100
77 34.0 25.2 37.8
39 46.9 38.2 57.2





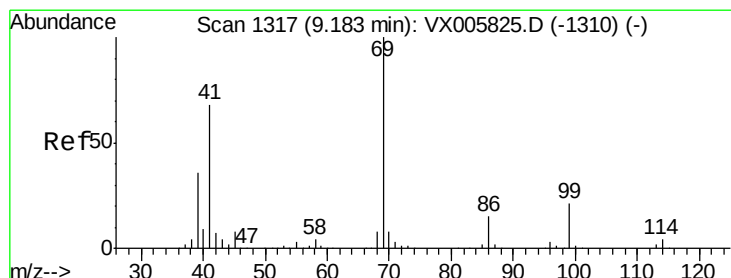
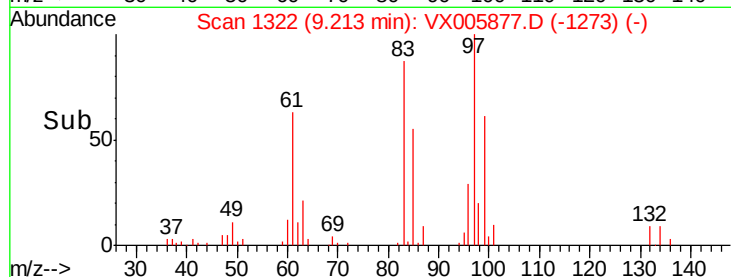
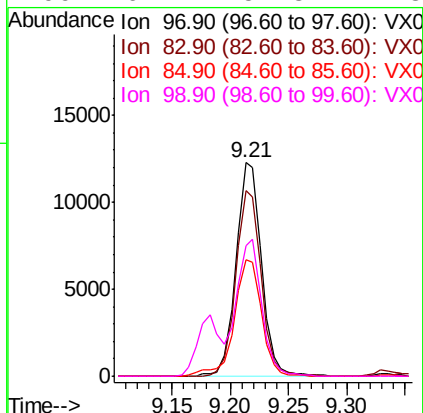
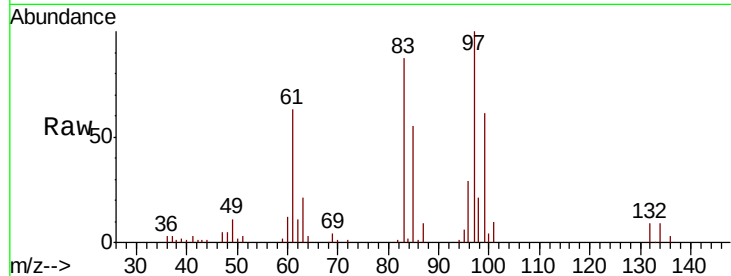
#55
 1,1,2-Trichloroethane
 Concen: 17.815 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX005877.D
 Acq: 09 Nov 2018 23:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1109MBS02

Tot Ion:	97	Resp:	18730
Ion	Ratio	Lower	Upper
97	100		
83	86.9	70.7	106.1
85	54.7	45.8	68.6
99	61.4	51.8	77.8

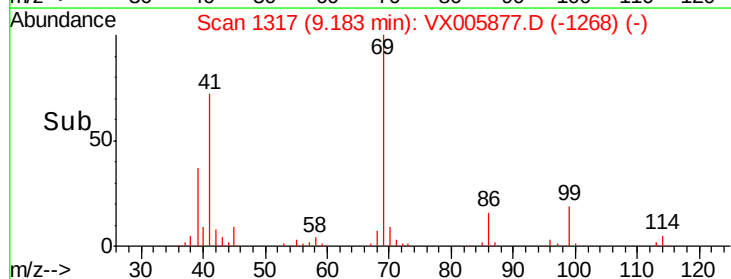
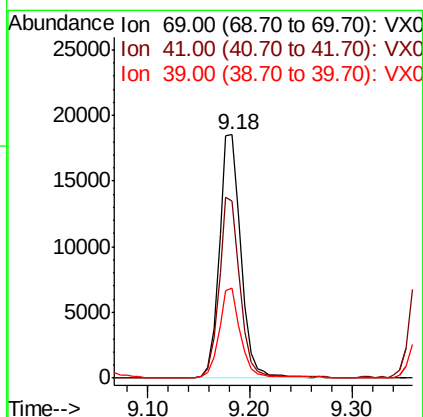
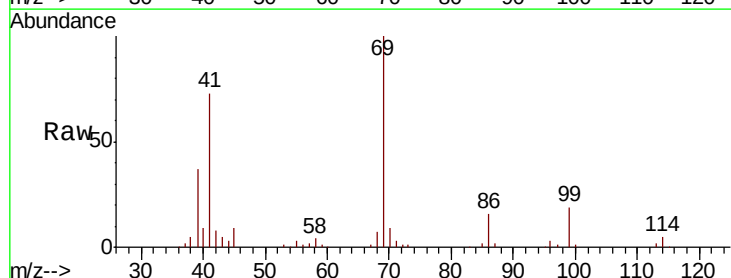
Manual Integrations
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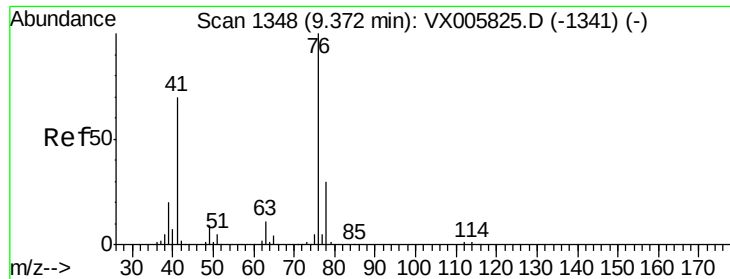
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 11/12/2018 9:12:07 AM



#56
 Ethyl methacrylate
 Concen: 17.489 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX005877.D
 Acq: 09 Nov 2018 23:04

Tgt Ion:	69	Resp:	27512
Ion	Ratio	Lower	Upper
69	100		
41	72.2	57.0	85.6
39	37.3	28.3	42.5





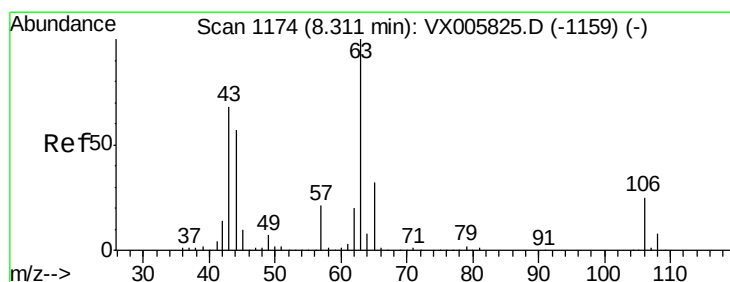
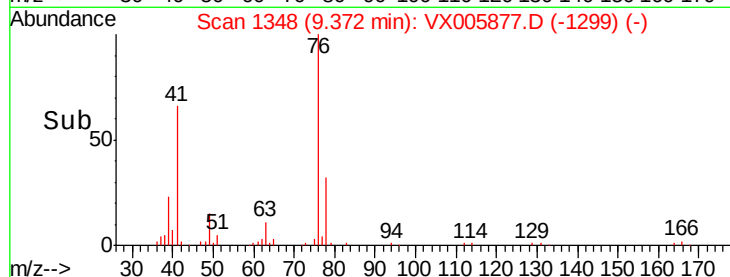
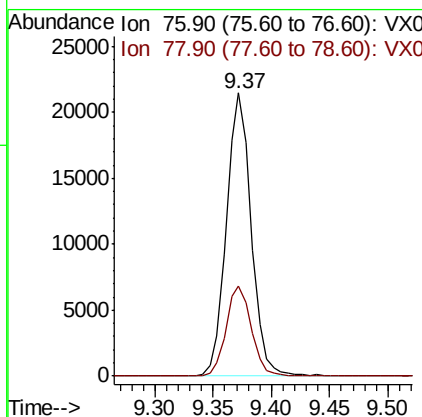
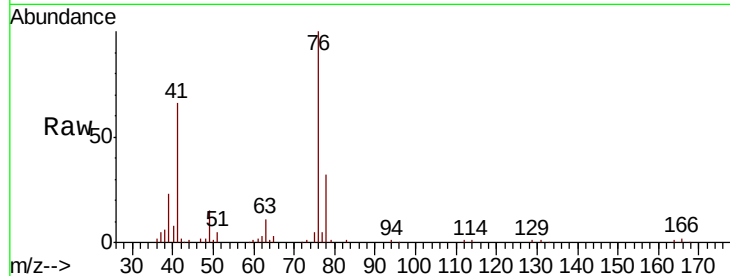
#57
 1,3-Dichloropropane
 Concen: 17.956 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX005877.D
 Acq: 09 Nov 2018 23:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1109MBSD02

Tot Ion: 76 Resp: 31725
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.3 37.9

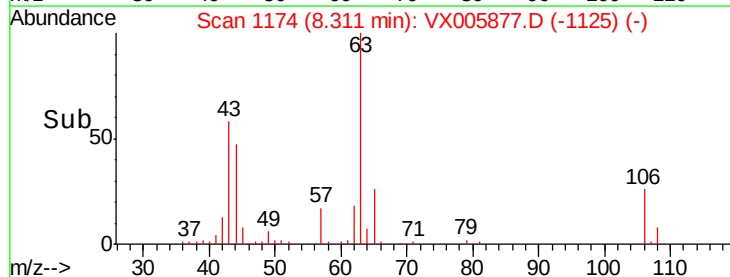
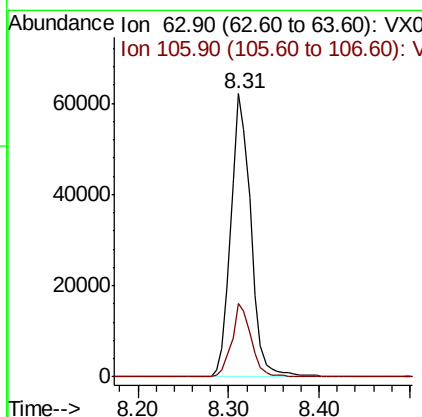
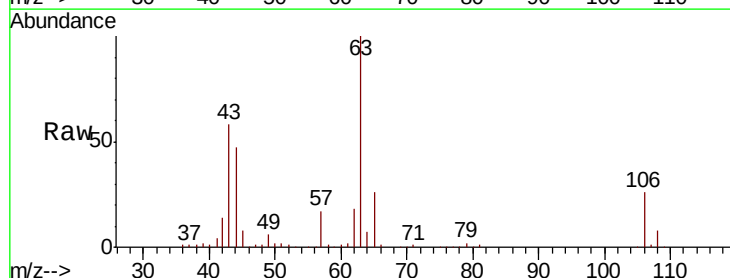
Manual Integrations
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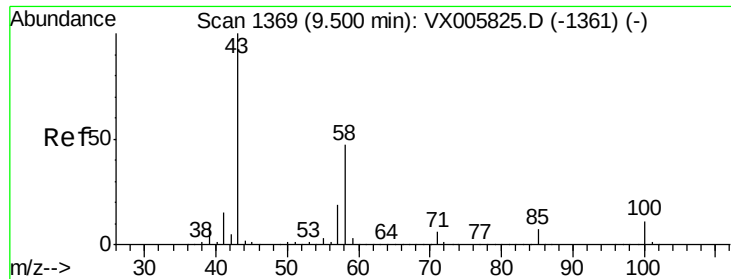
MMDadoda
 11/12/2018 9:12:07 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 116.072 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX005877.D
 Acq: 09 Nov 2018 23:04

Tgt Ion: 63 Resp: 95563
 Ion Ratio Lower Upper
 63 100
 106 24.9 21.3 31.9





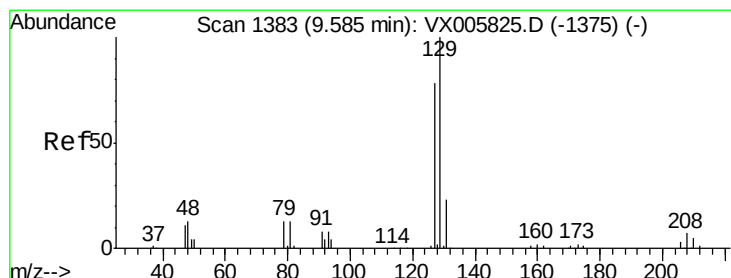
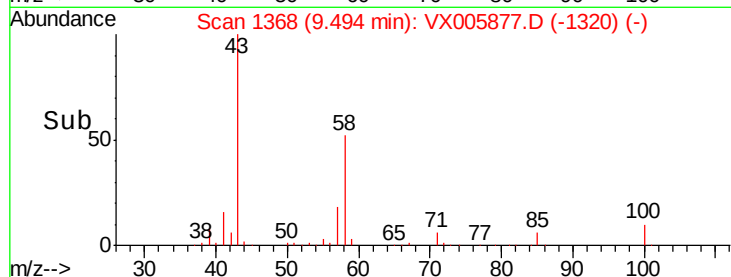
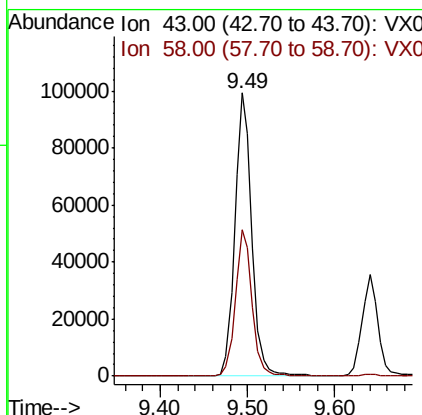
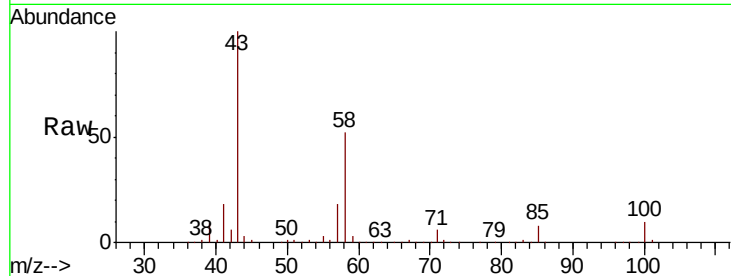
#59
2-Hexanone
Concen: 87.896 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX005877.D
Acq: 09 Nov 2018 23:04

Instrument :
MSVOA_X
ClientSampleId :
VX1109MBS02

Tot Ion: 43 Resp: 134713
Ion Ratio Lower Upper
43 100
58 51.1 25.9 77.8

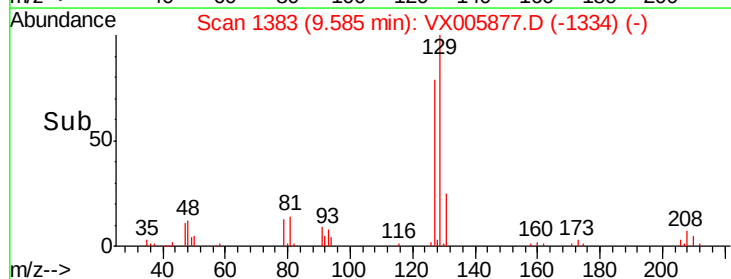
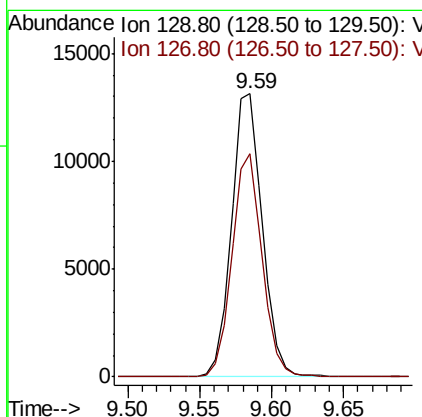
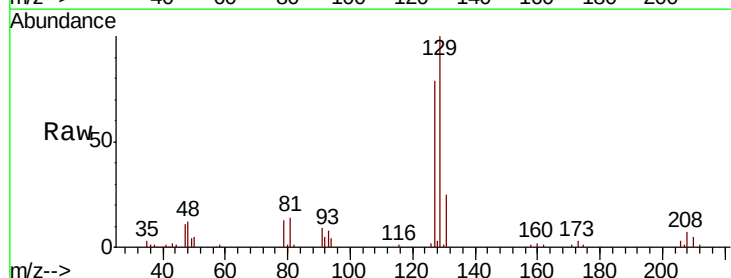
Manual Integrations
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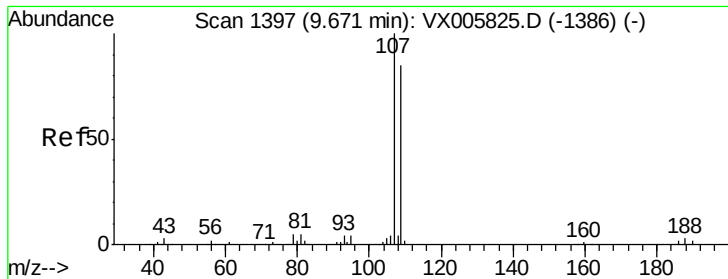
MMDadoda
11/12/2018 9:12:07 AM



#60
Dibromochloromethane
Concen: 17.300 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005877.D
Acq: 09 Nov 2018 23:04

Tgt Ion: 129 Resp: 19657
Ion Ratio Lower Upper
129 100
127 76.7 38.9 116.7





#61

1,2-Dibromoethane

Concen: 17.308 ug/l

RT: 9.68 min Scan# 1398

Delta R.T. 0.01 min

Lab File: VX005877.D

Acq: 09 Nov 2018 23:04

Instrument :

MSVOA_X

ClientSampleId :

VX1109MBS02

Tot Ion:107 Resp: 20121

Ion Ratio Lower Upper

107 100

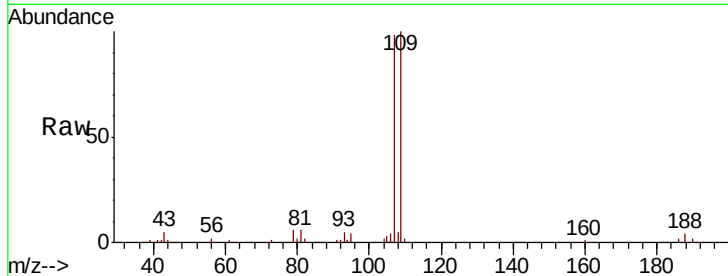
109 96.9 75.7 113.5

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

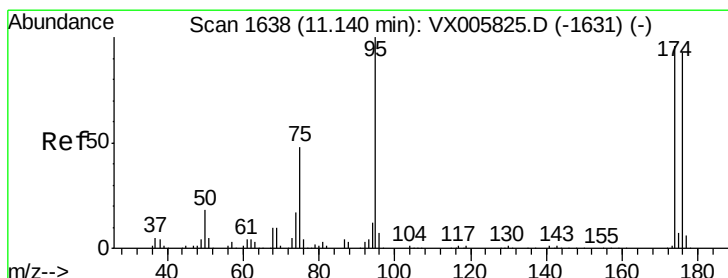
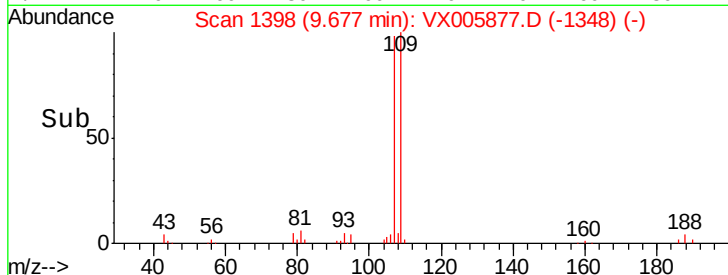
15000

10000

5000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 48.010 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.01 min

Lab File: VX005877.D

Acq: 09 Nov 2018 23:04

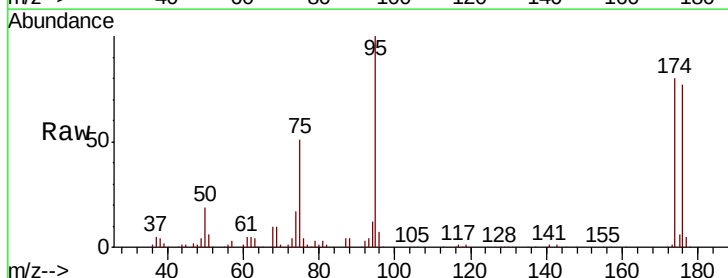
Tgt Ion: 95 Resp: 58622

Ion Ratio Lower Upper

95 100

174 89.9 0.0 184.4

176 86.7 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

60000

50000

40000

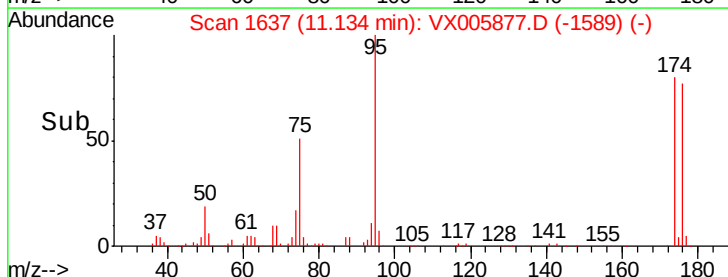
30000

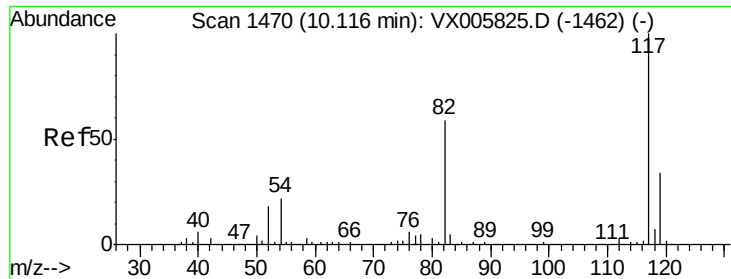
20000

10000

0

Time-->





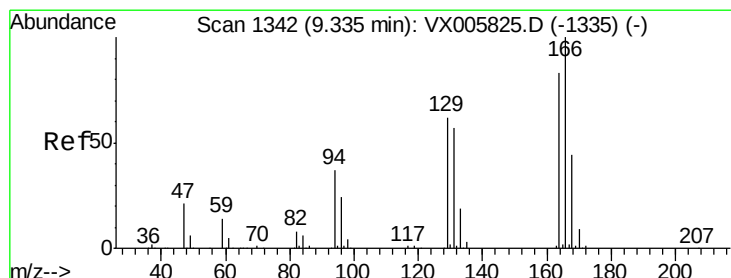
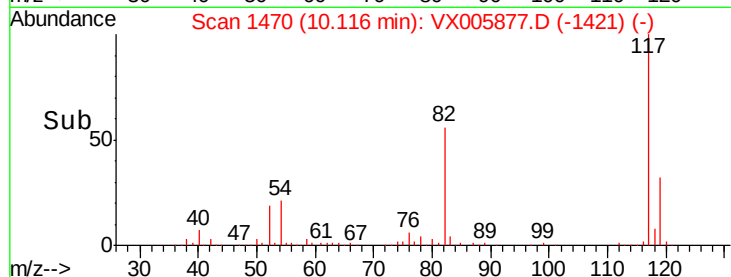
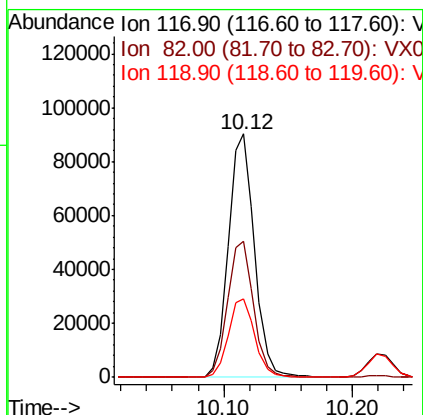
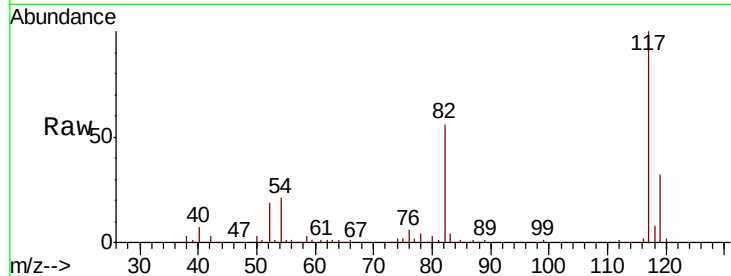
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005877.D
Acq: 09 Nov 2018 23:04

Instrument :
MSVOA_X
ClientSampleId :
VX1109MBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.0	44.1	66.1
119	32.4	26.2	39.2

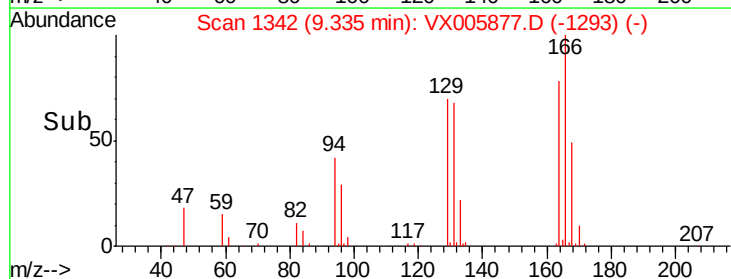
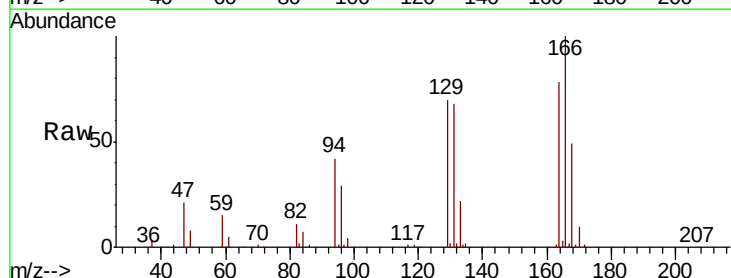
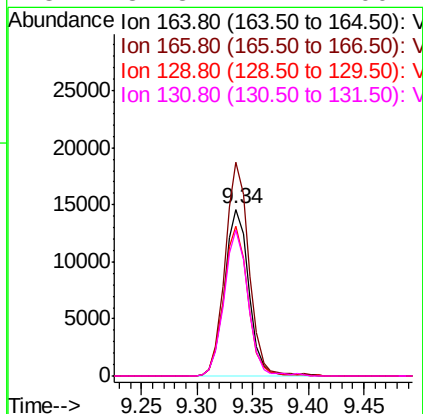
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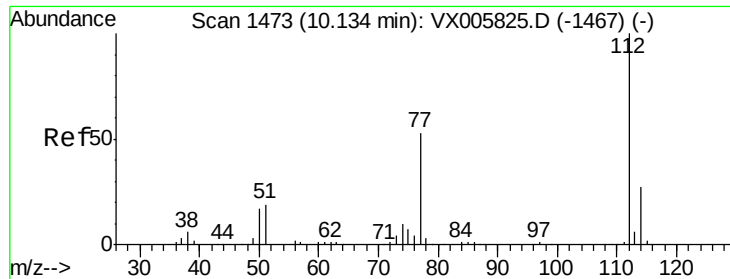
MMDadoda
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#64
Tetrachloroethene
Concen: 20.150 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005877.D
Acq: 09 Nov 2018 23:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.1	101.9	152.9
129	89.7	72.6	109.0
131	87.3	71.1	106.7





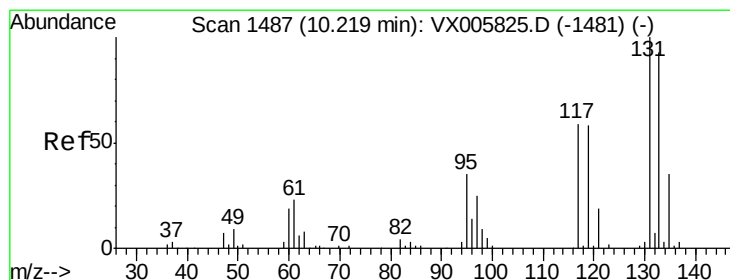
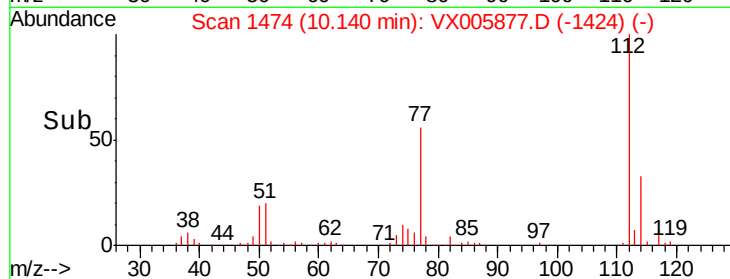
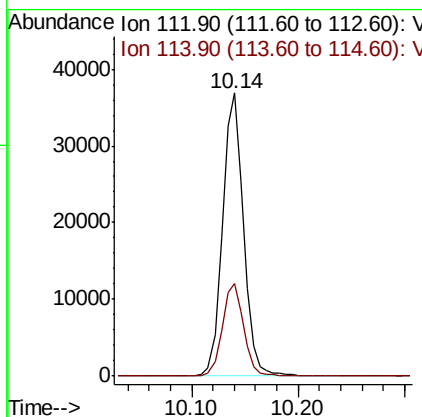
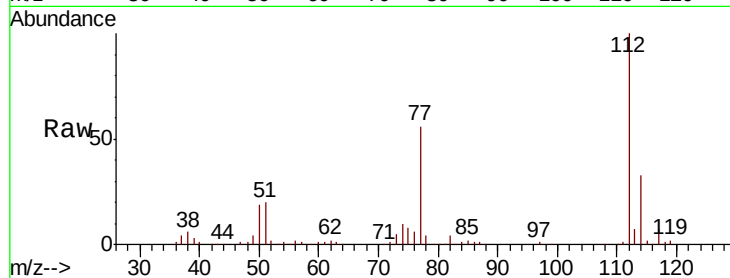
#65
Chlorobenzene
Concen: 19.783 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX005877.D
Acq: 09 Nov 2018 23:04

Instrument :
MSVOA_X
ClientSampleId :
VX1109MBSD02

Tot Ion:112 Resp: 50671
Ion Ratio Lower Upper
112 100
114 32.6 25.8 38.6

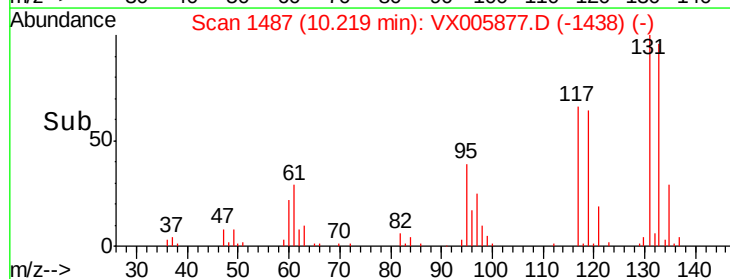
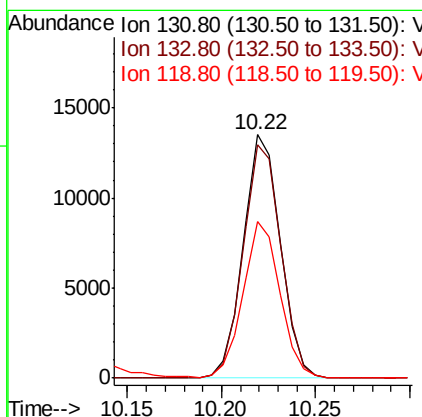
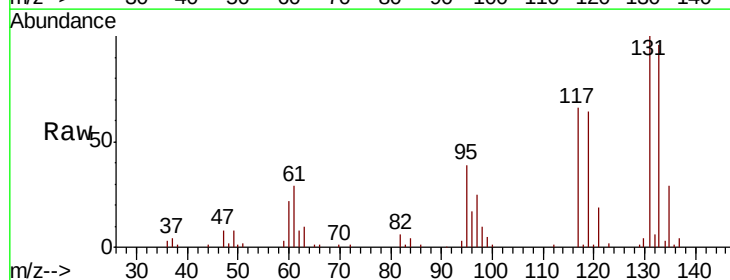
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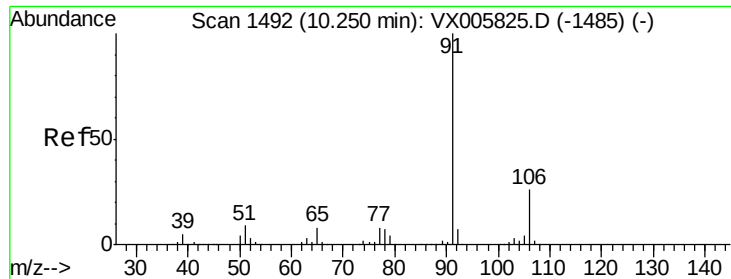
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.731 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX005877.D
Acq: 09 Nov 2018 23:04

Tgt Ion:131 Resp: 18461
Ion Ratio Lower Upper
131 100
133 97.4 47.5 142.5
119 63.9 31.8 95.3





#67

Ethyl Benzene

Concen: 20.655 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX005877.D

Acq: 09 Nov 2018 23:04

Instrument :

MSVOA_X

ClientSampleId :

VX1109MBS02

Tot Ion: 91 Resp: 84834

Ion Ratio Lower Upper

91 100

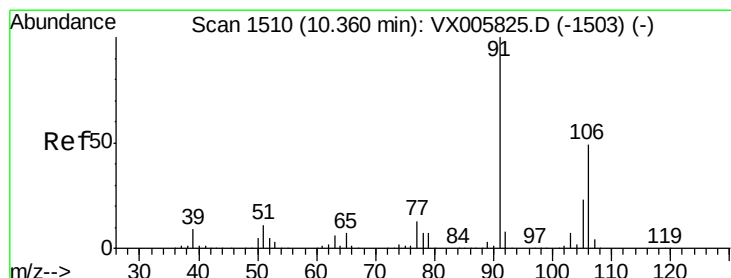
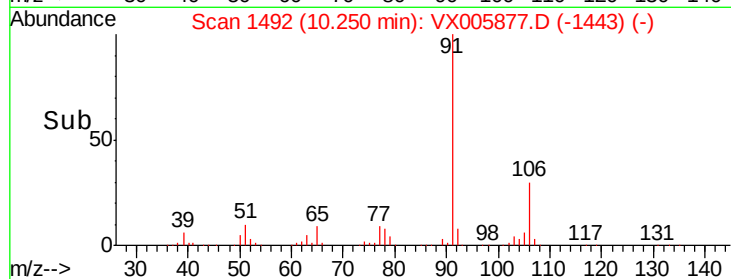
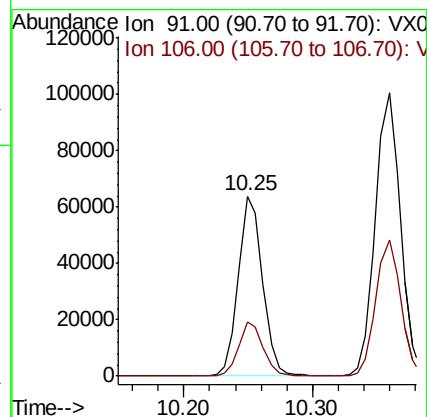
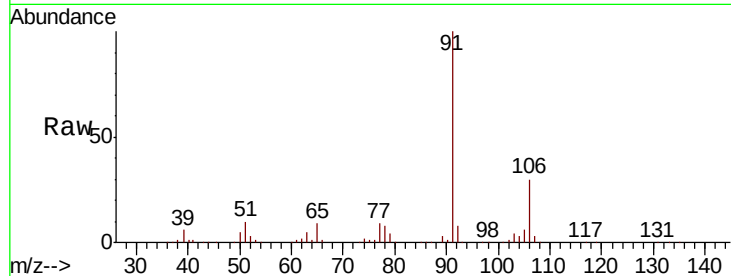
106 30.1 24.4 36.6

Manual Integrations

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#68

m/p-Xylenes

Concen: 41.905 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX005877.D

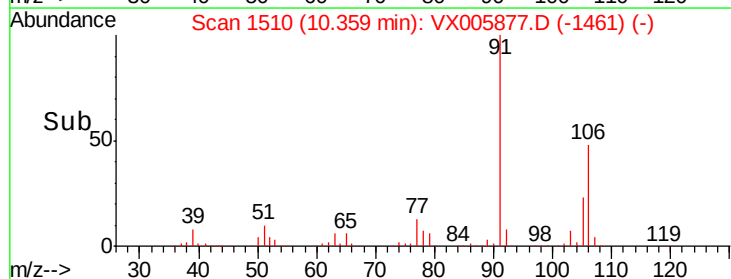
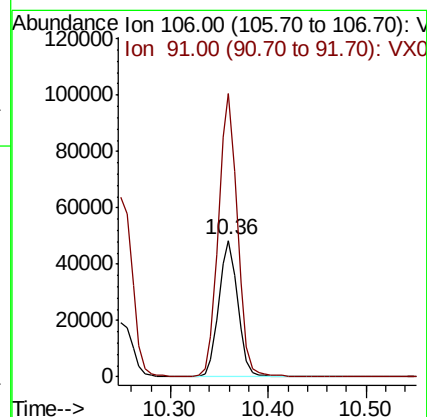
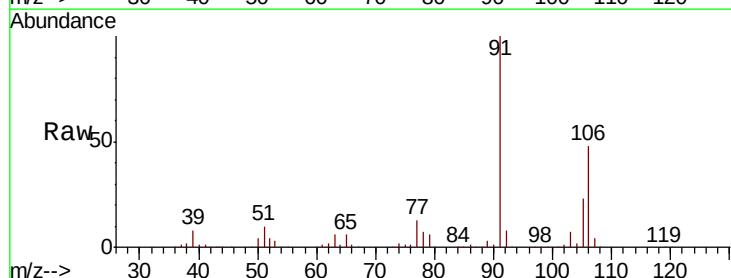
Acq: 09 Nov 2018 23:04

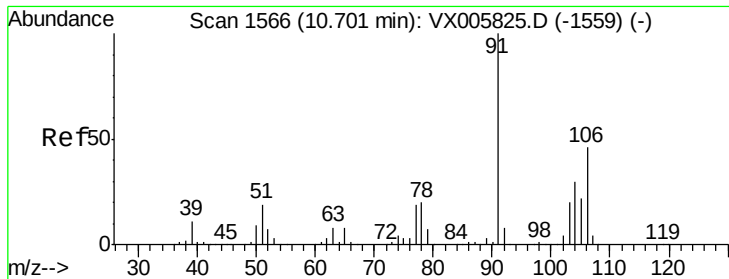
Tgt Ion: 106 Resp: 65651

Ion Ratio Lower Upper

106 100

91 207.2 164.2 246.4





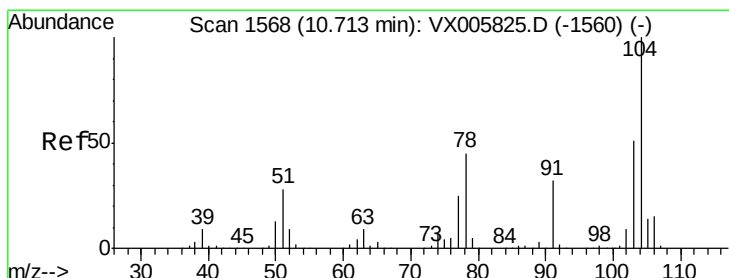
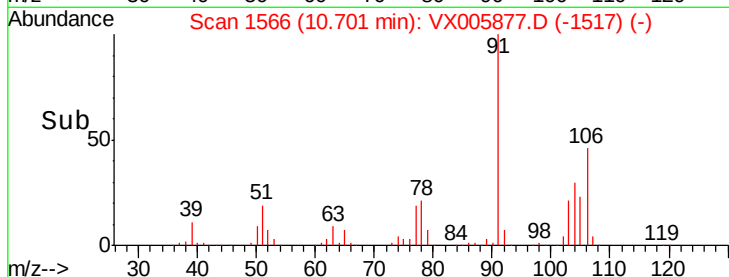
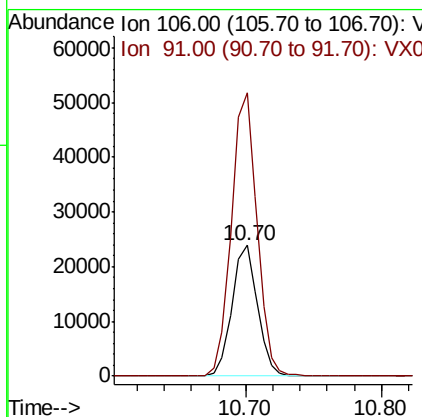
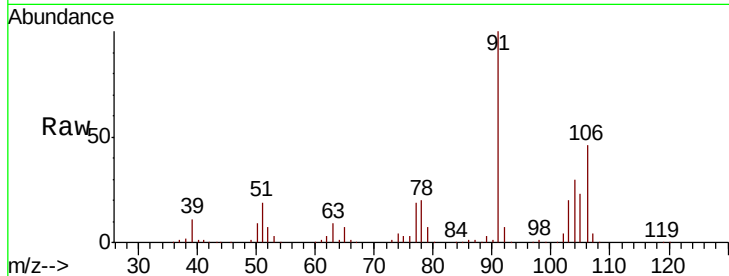
#69
o-Xylene
Concen: 22.190 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005877.D
Acq: 09 Nov 2018 23:04

Instrument :
MSVOA_X
ClientSampleId :
VX1109MBS02

Tot Ion:106 Resp: 31173
Ion Ratio Lower Upper
106 100
91 217.8 108.5 325.5

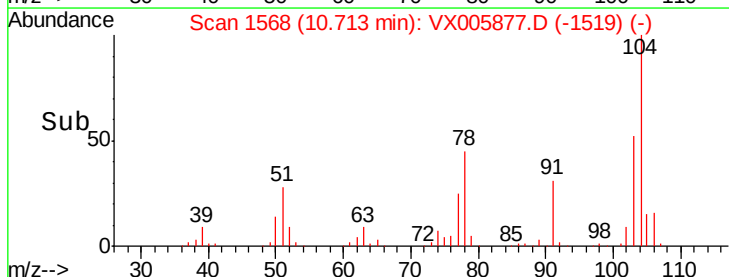
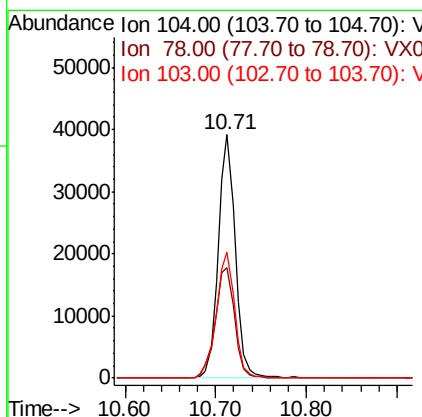
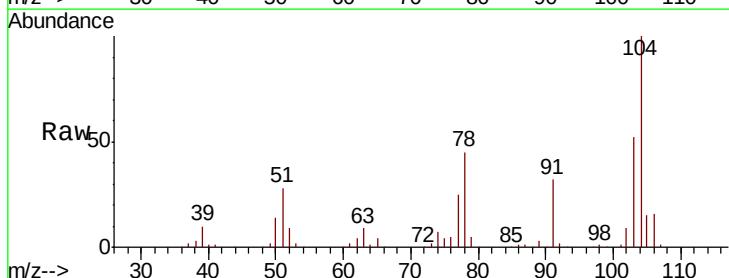
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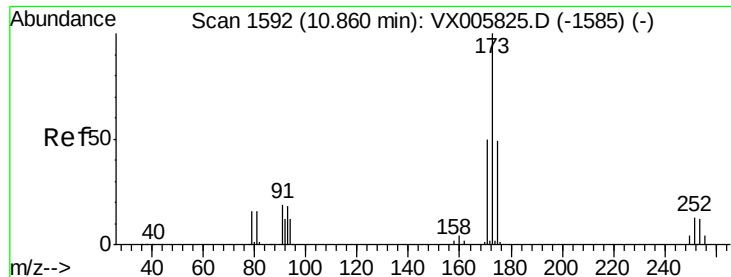
MMDadoda
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#70
Styrene
Concen: 22.271 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005877.D
Acq: 09 Nov 2018 23:04

Tgt Ion:104 Resp: 51612
Ion Ratio Lower Upper
104 100
78 52.1 40.2 60.4
103 56.1 44.9 67.3





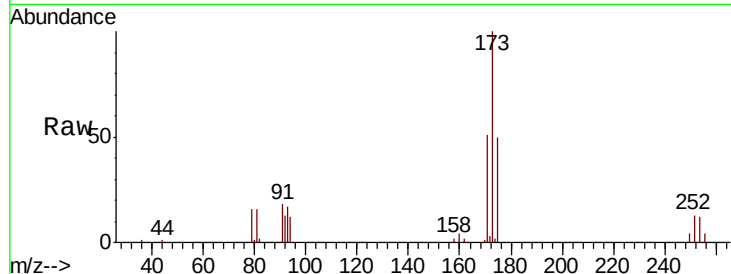
#71
Bromoform
Concen: 21.339 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VX005877.D
Acq: 09 Nov 2018 23:04

Instrument :
MSVOA_X
ClientSampleId :
VX1109MBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.8	74.3
254	0.0	0.2	0.2

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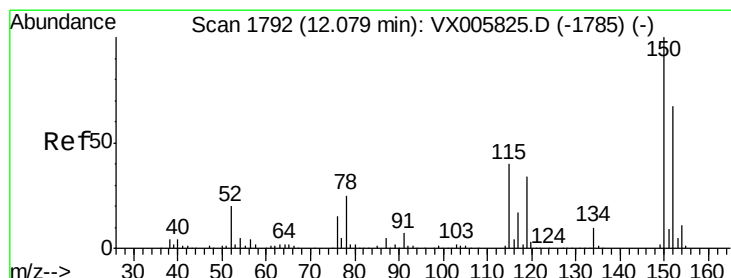
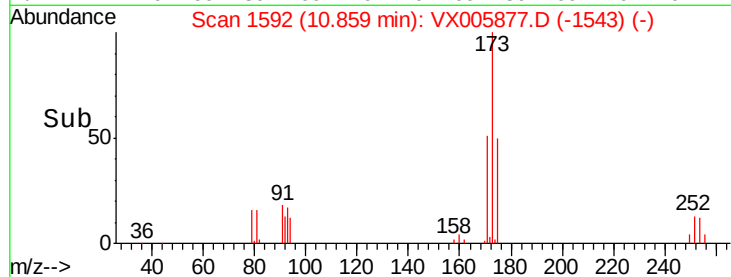
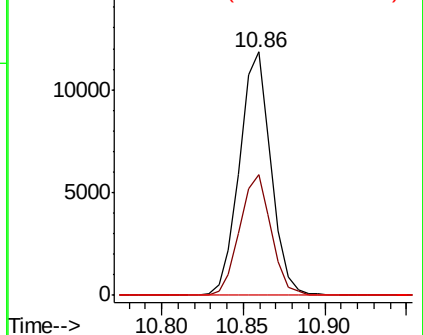


Abundance

Ion 172.70 (172.40 to 173.40): V

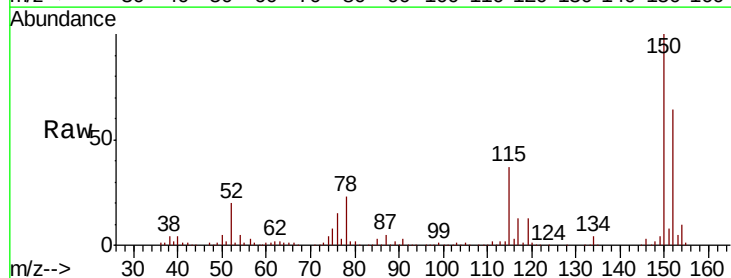
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005877.D
Acq: 09 Nov 2018 23:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	65.1	39.4	118.1
150	162.9	0.0	346.4

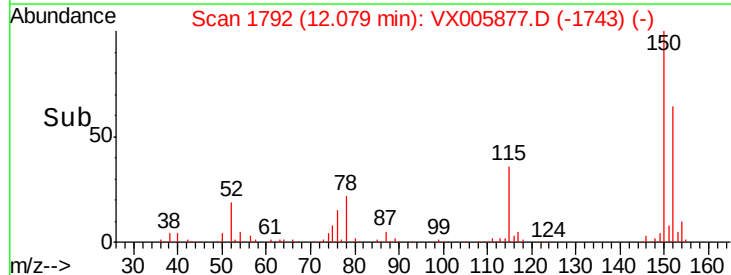
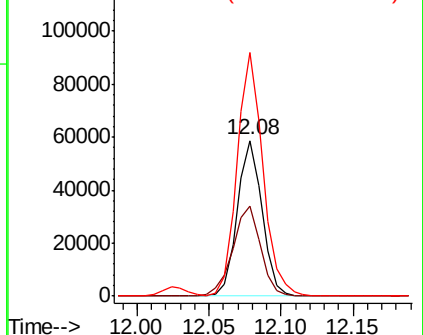


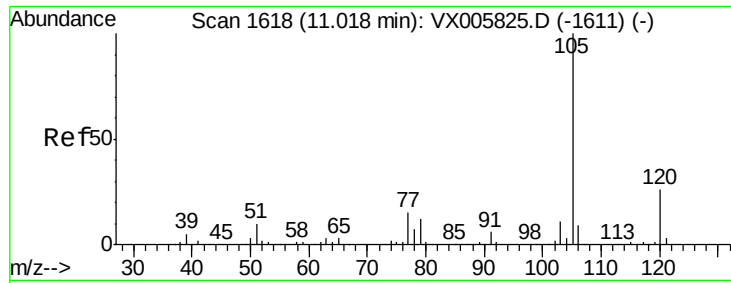
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





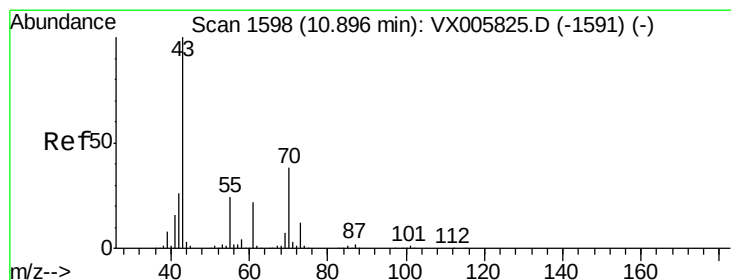
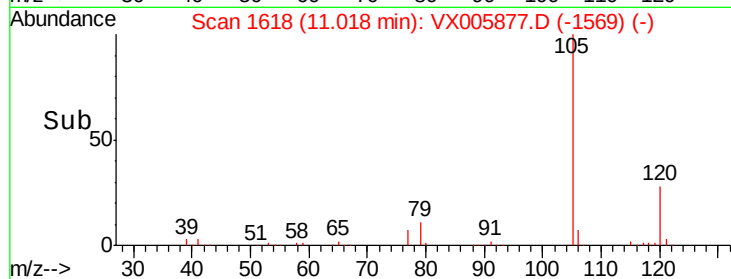
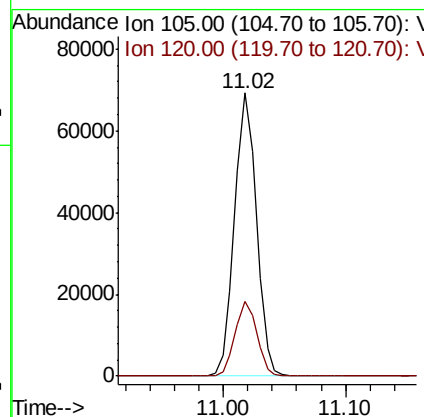
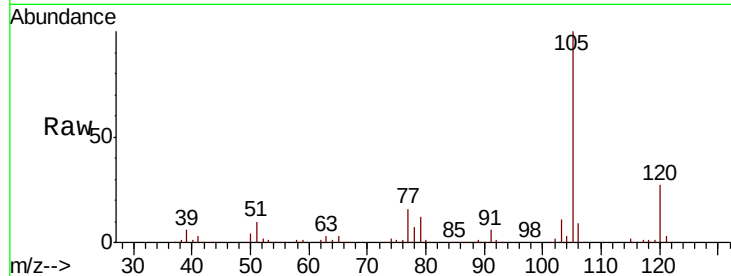
#73
Isopropylbenzene
Concen: 21.008 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX005877.D
Acq: 09 Nov 2018 23:04

Instrument :
MSVOA_X
ClientSampleId :
VX1109MBSD02

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.1	39.3

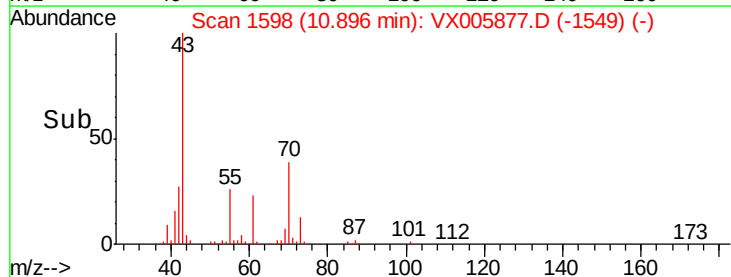
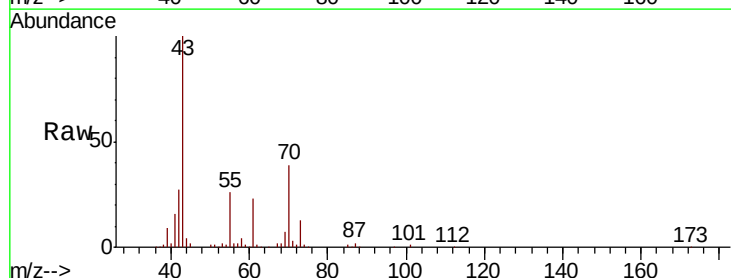
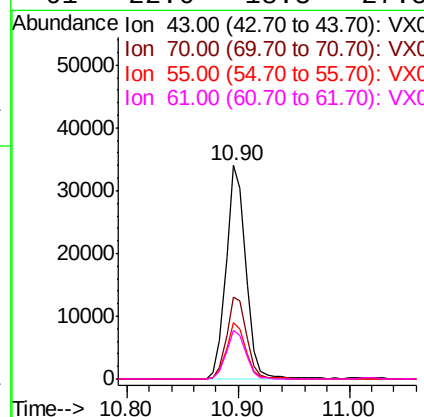
Manual Integrations
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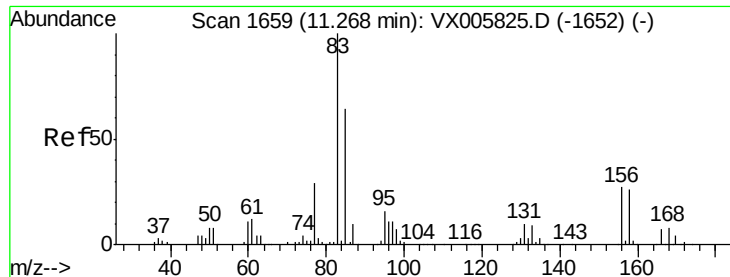
MMDadoda
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#74
N-ethyl acetate
Concen: 19.076 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VX005877.D
Acq: 09 Nov 2018 23:04

Tgt Ion	Ratio	Lower	Upper
43	100		
70	38.5	31.6	47.4
55	26.1	19.7	29.5
61	22.6	18.3	27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.082 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005877.D

Acq: 09 Nov 2018 23:04

Instrument :

MSVOA_X

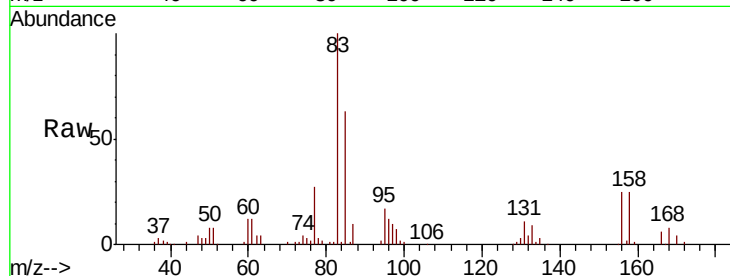
ClientSampleId :

VX1109MBSD02

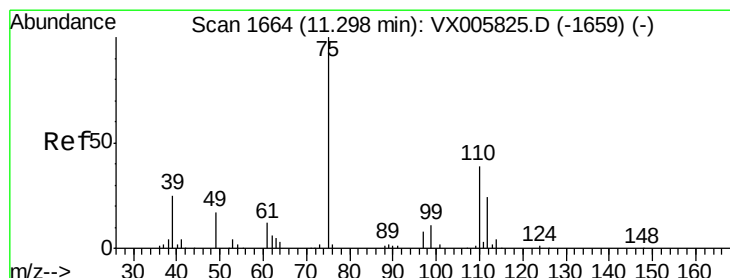
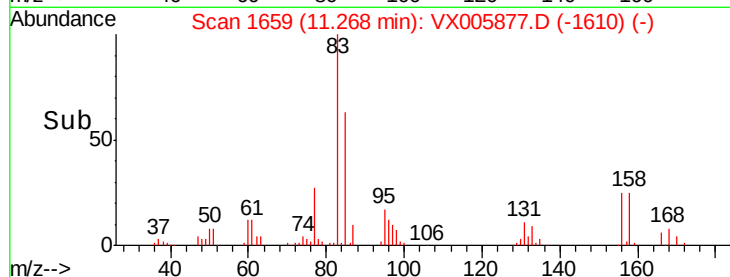
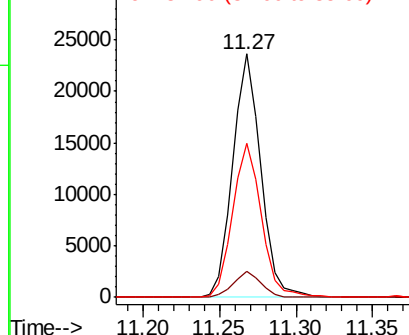
Tot Ion:	83	Resp:	30054
Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.3	15.9
85	64.7	32.0	96.2

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



#76

1,2,3-Trichloropropane

Concen: 20.572 ug/l m

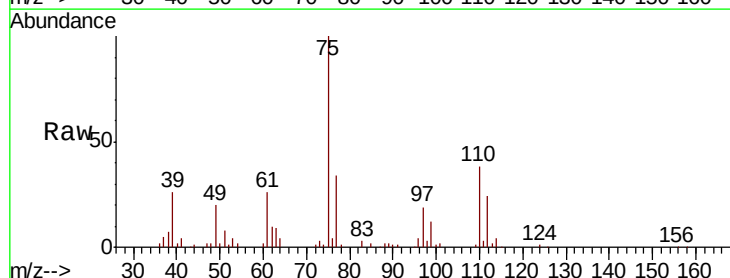
RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

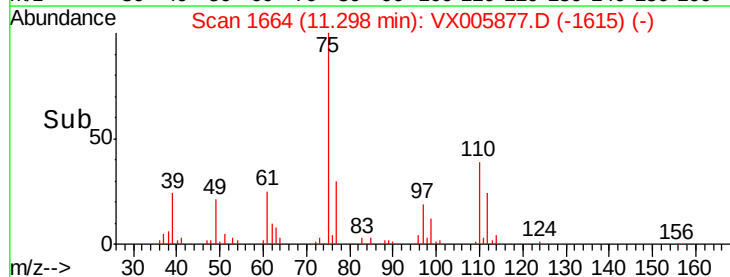
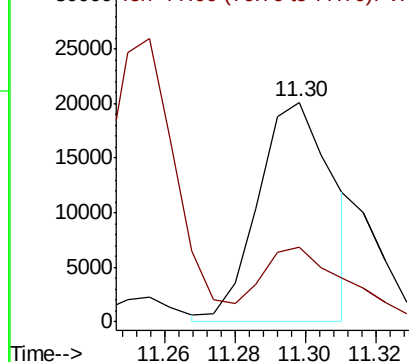
Lab File: VX005877.D

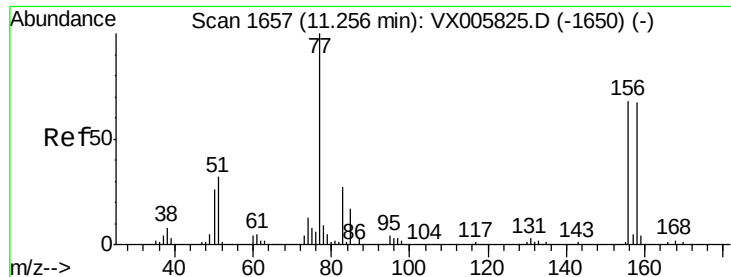
Acq: 09 Nov 2018 23:04

Tgt Ion:	75	Resp:	29534
Ion	Ratio	Lower	Upper
75	100		
77	39.1	20.5	61.6



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





#77

Bromobenzene

Concen: 20.097 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005877.D

Acq: 09 Nov 2018 23:04

Instrument :

MSVOA_X

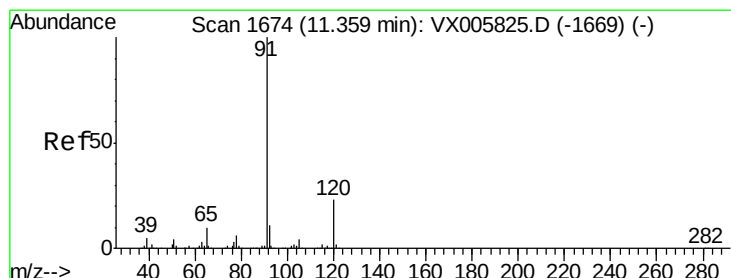
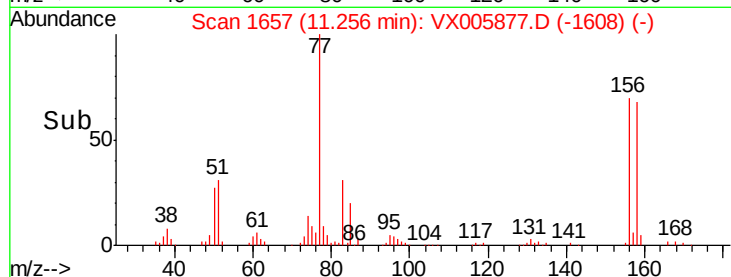
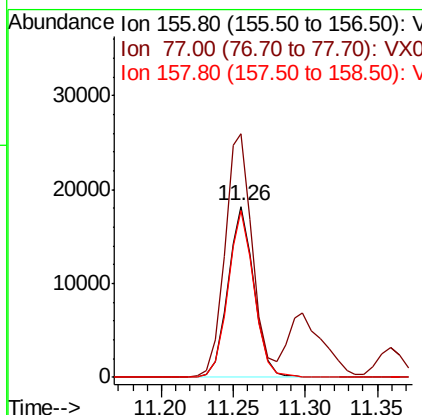
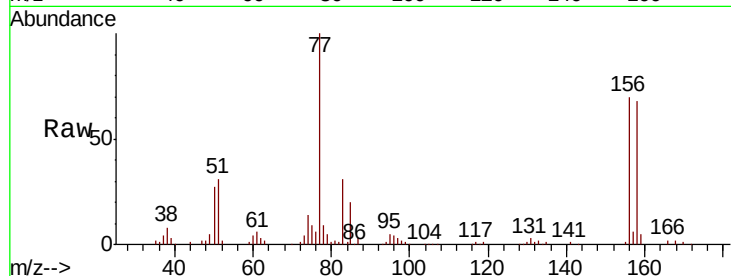
ClientSampleId :

VX1109MBSD02

Tot Ion:	156	Resp:	23096
Ion	Ratio	Lower	Upper
156	100		
77	150.9	74.8	224.4
158	97.7	49.1	147.3

Manual Integrations
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#78

n-propylbenzene

Concen: 20.767 ug/l

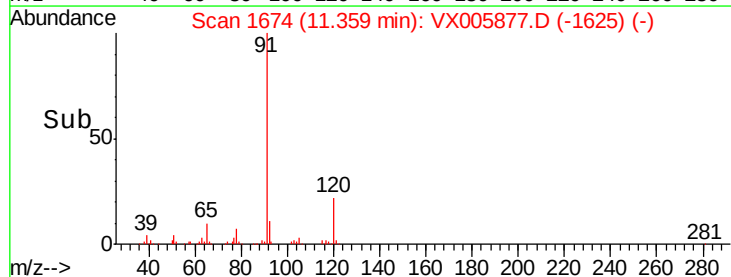
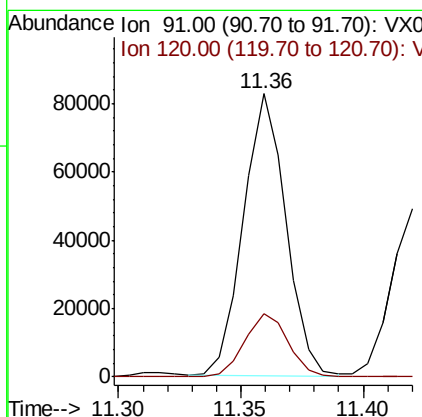
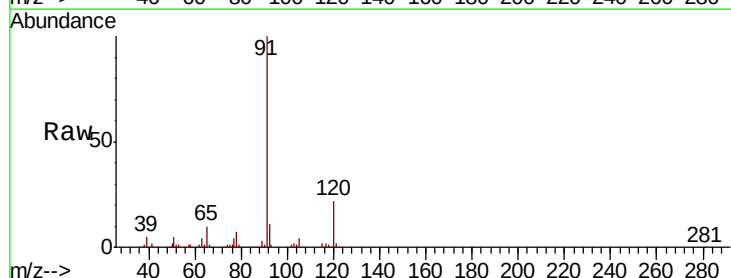
RT: 11.36 min Scan# 1674

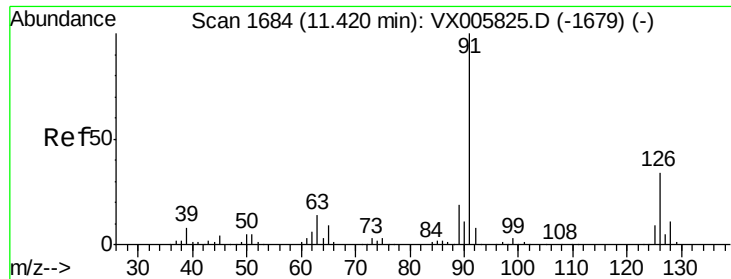
Delta R.T. -0.00 min

Lab File: VX005877.D

Acq: 09 Nov 2018 23:04

Tgt Ion:	91	Resp:	99792
Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.9	35.5





#79

2-Chlorotoluene

Concen: 20.794 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX005877.D

Acq: 09 Nov 2018 23:04

Instrument :

MSVOA_X

ClientSampleId :

VX1109MBS02

Tot Ion: 91 Resp: 60395

Ion Ratio Lower Upper

91 100

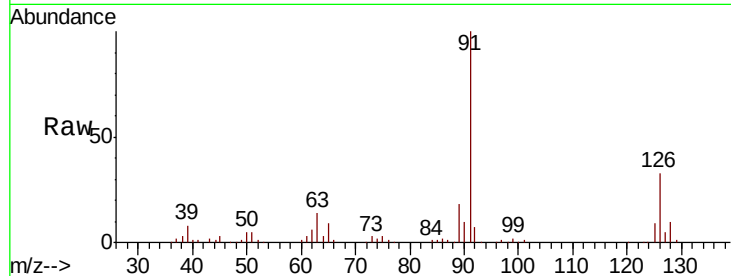
126 33.6 17.3 52.0

Manual Integrations

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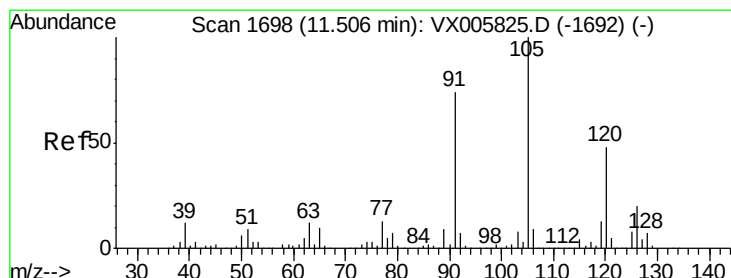
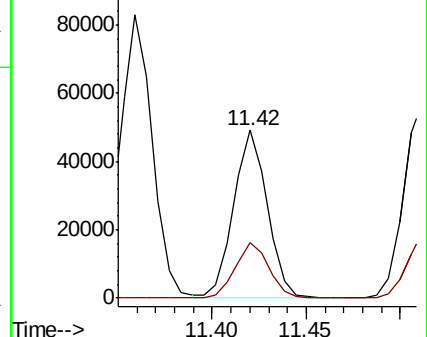
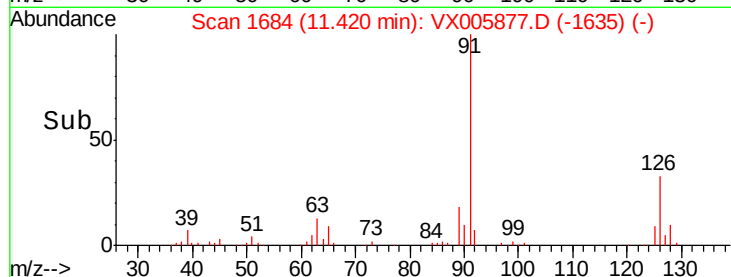
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VX005825.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX005825.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.293 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX005877.D

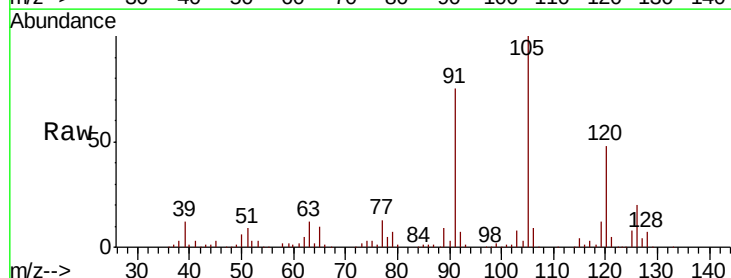
Acq: 09 Nov 2018 23:04

Tgt Ion: 105 Resp: 73779

Ion Ratio Lower Upper

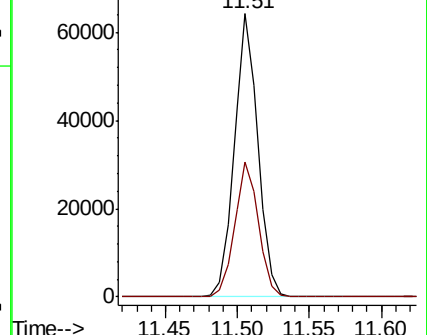
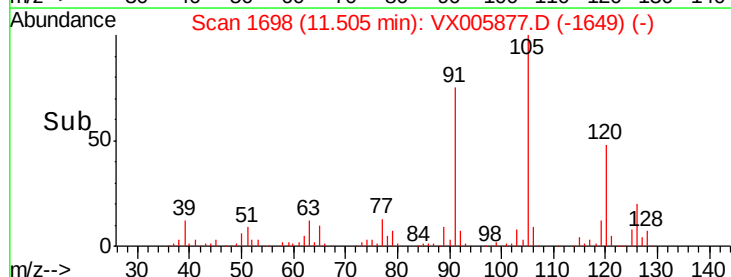
105 100

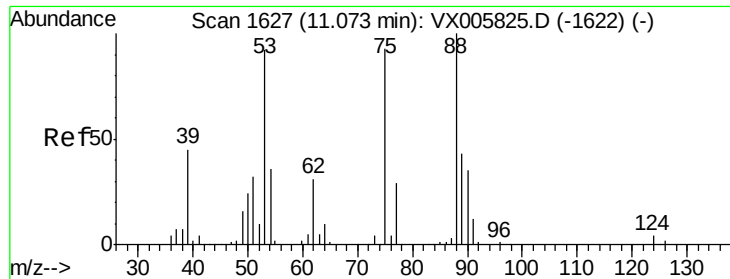
120 48.0 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VX005825.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX005825.D (-1692) (-)





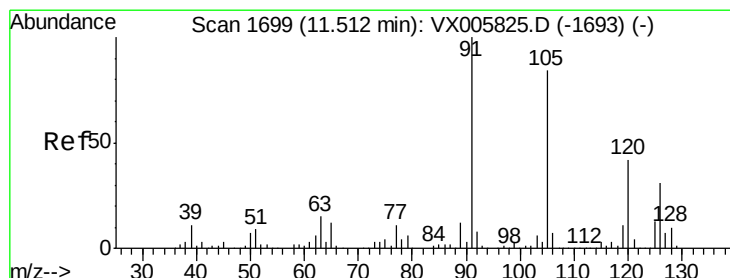
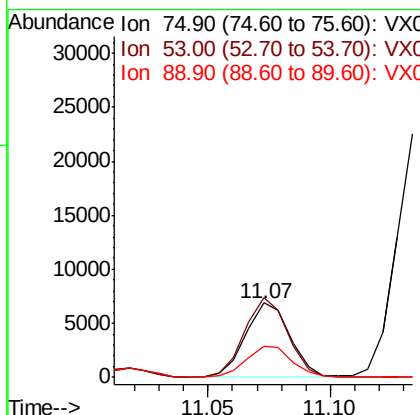
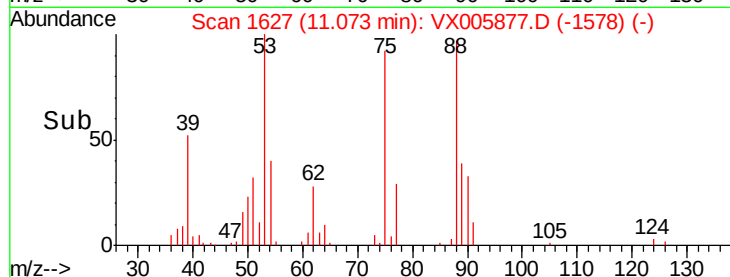
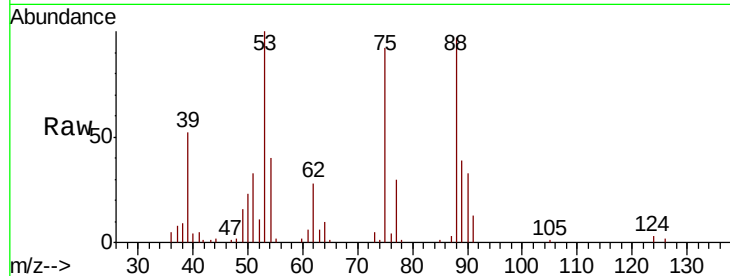
#81
trans-1,4-Dichloro-2-butene
Concen: 19.538 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX005877.D
Acq: 09 Nov 2018 23:04

Instrument :
MSVOA_X
ClientSampleId :
VX1109MBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
53	104.0	80.2	120.2
89	42.5	39.8	59.8

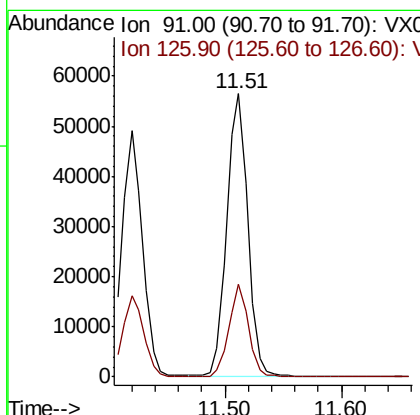
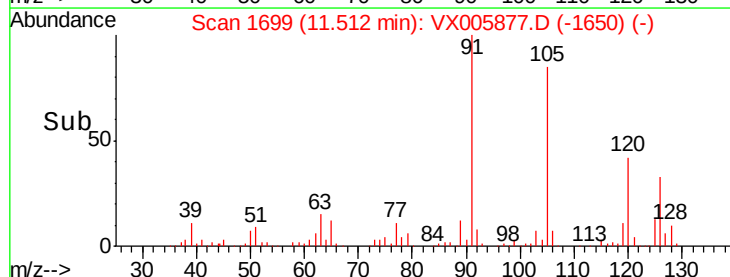
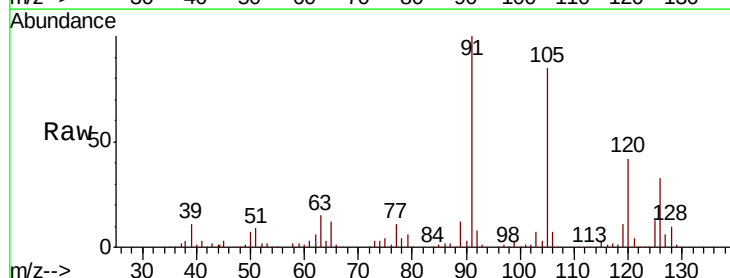
Manual Integrations
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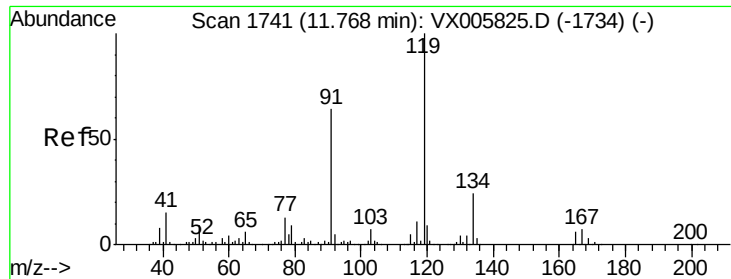
MMDadoda
11/12/2018 9:12:07 AM



#82
4-Chlorotoluene
Concen: 20.739 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX005877.D
Acq: 09 Nov 2018 23:04

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.6	15.2	45.6





#83

tert-Butylbenzene

Concen: 19.938 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX005877.D

Acq: 09 Nov 2018 23:04

Instrument :

MSVOA_X

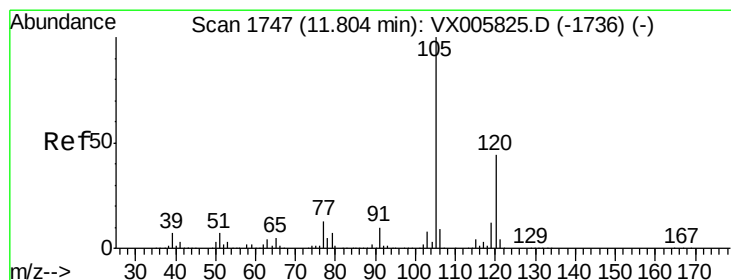
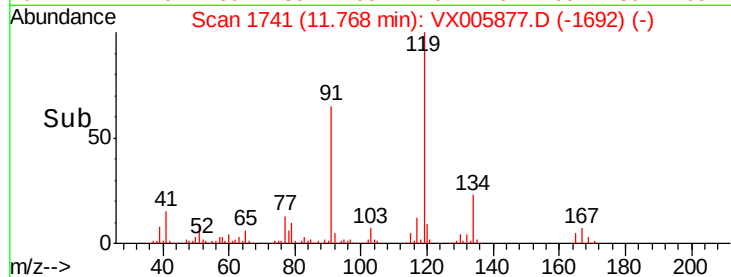
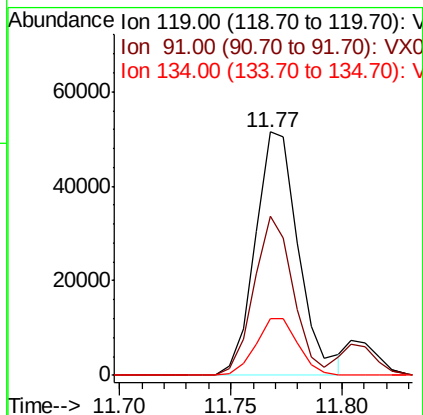
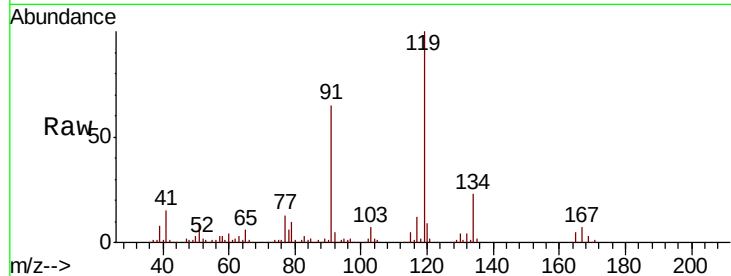
ClientSampleId :

VX1109MBSD02

Tot Ion:	119	Resp:	69891
Ion Ratio	Lower	Upper	
119	100		
91	59.2	28.5	85.5
134	22.7	11.3	33.8

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 19.634 ug/l

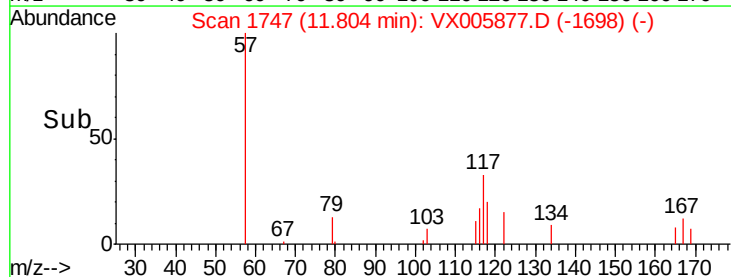
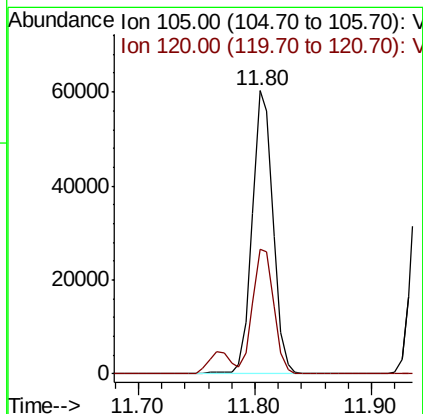
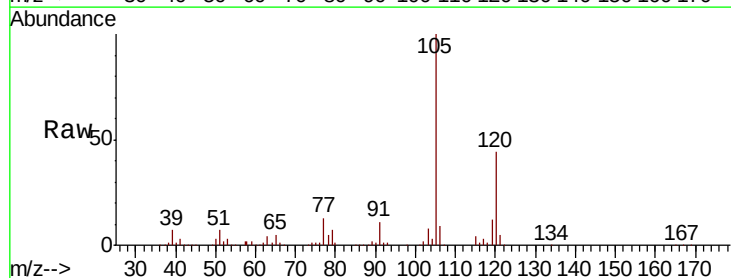
RT: 11.80 min Scan# 1747

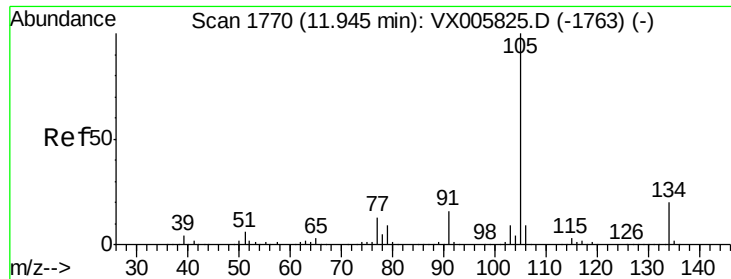
Delta R.T. 0.00 min

Lab File: VX005877.D

Acq: 09 Nov 2018 23:04

Tgt Ion:	105	Resp:	75355
Ion Ratio	Lower	Upper	
105	100		
120	44.7	22.4	67.0





#85

sec-Butylbenzene

Concen: 20.166 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX005877.D

Acq: 09 Nov 2018 23:04

Instrument :

MSVOA_X

ClientSampleId :

VX1109MBSD02

Tot Ion:105 Resp: 86441

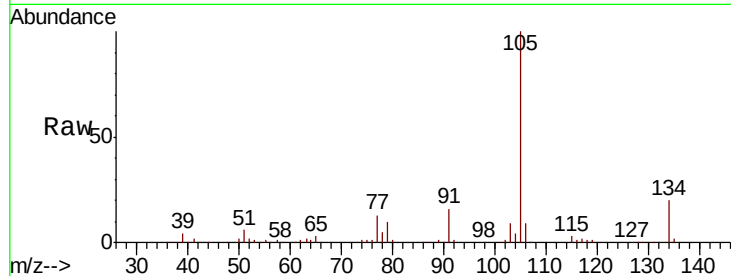
Ion Ratio Lower Upper

105 100

134 20.3 10.2 30.4

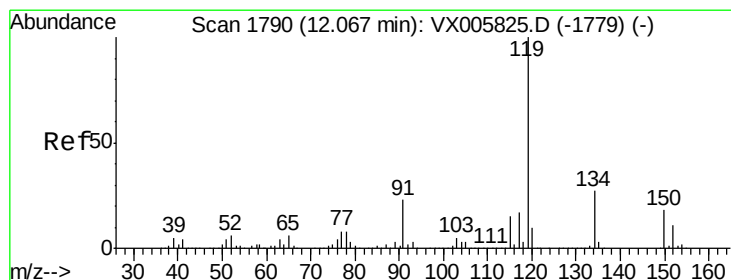
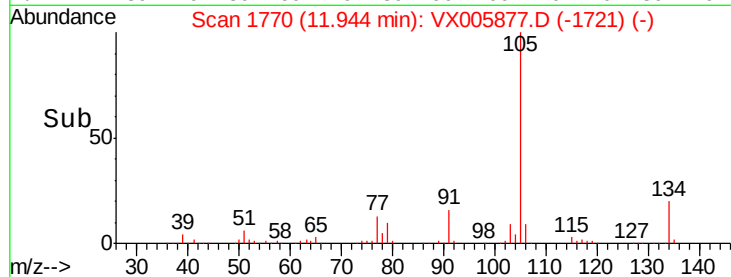
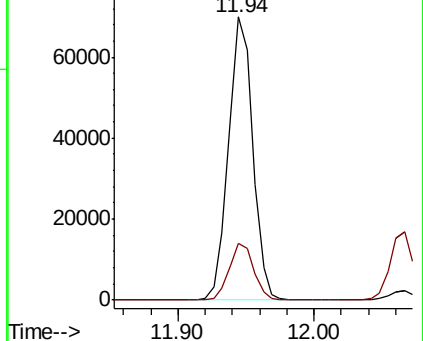
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.389 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX005877.D

Acq: 09 Nov 2018 23:04

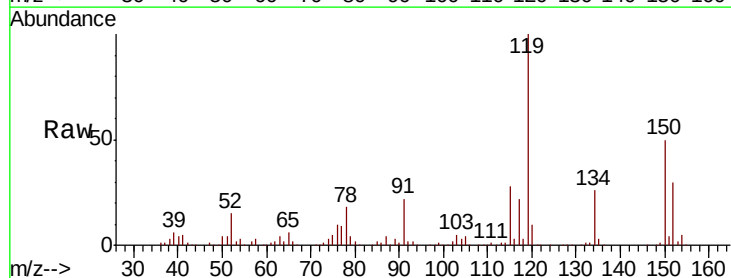
Tgt Ion:119 Resp: 77414

Ion Ratio Lower Upper

119 100

134 26.1 13.0 39.0

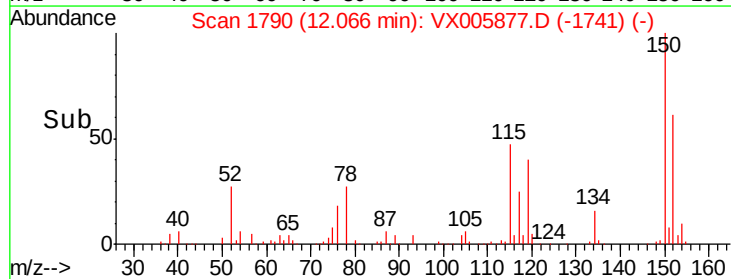
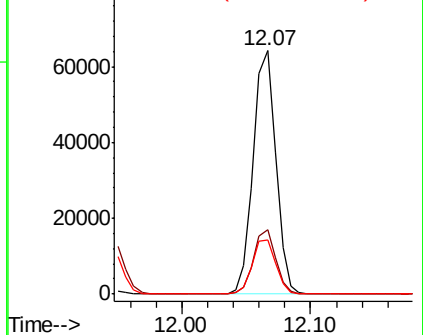
91 23.6 11.4 34.2

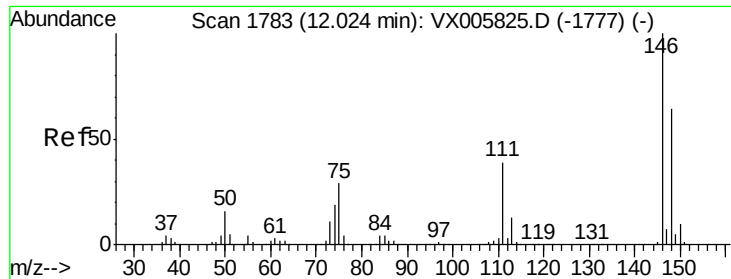


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





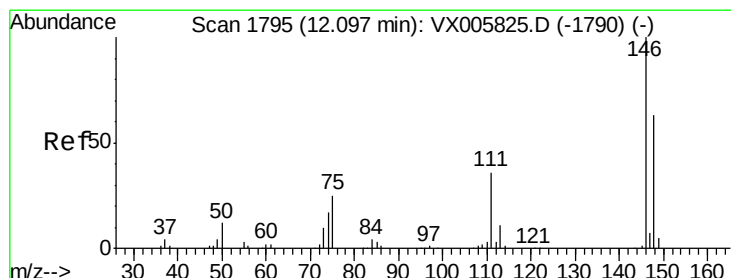
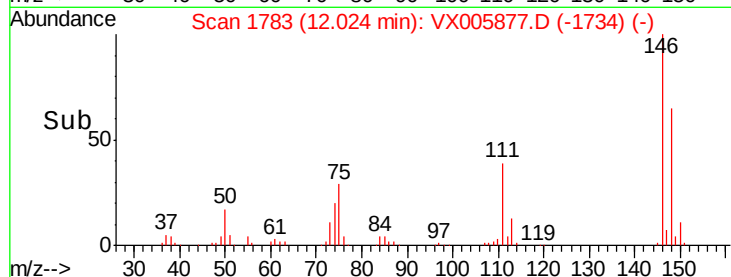
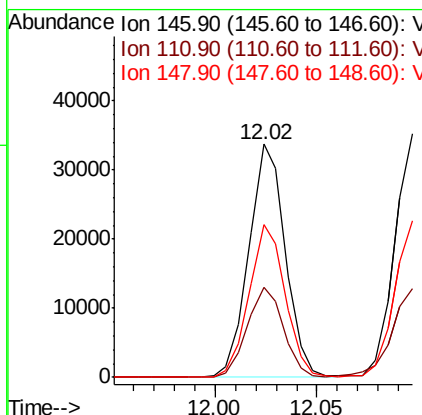
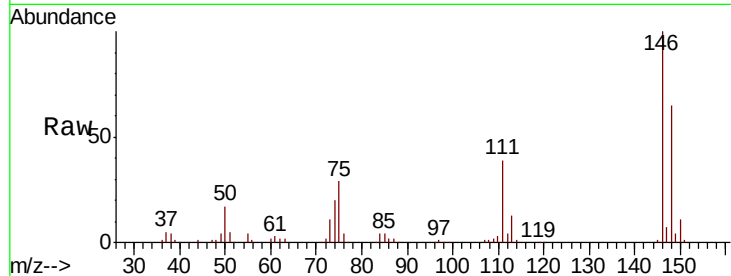
#87
 1,3-Dichlorobenzene
 Concen: 19.073 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX005877.D
 Acq: 09 Nov 2018 23:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1109MBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.0	57.0
148	64.7	31.9	95.9

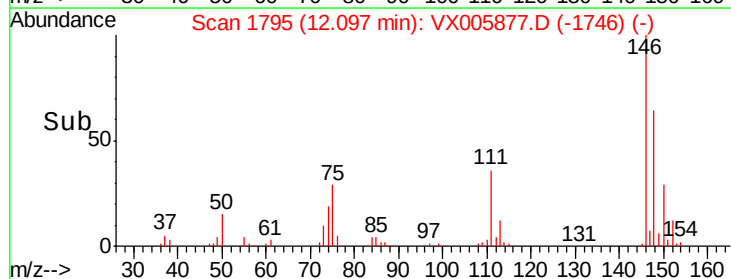
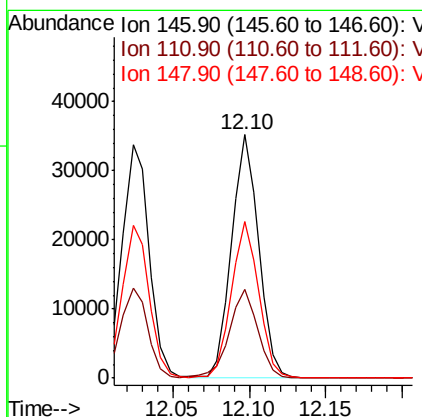
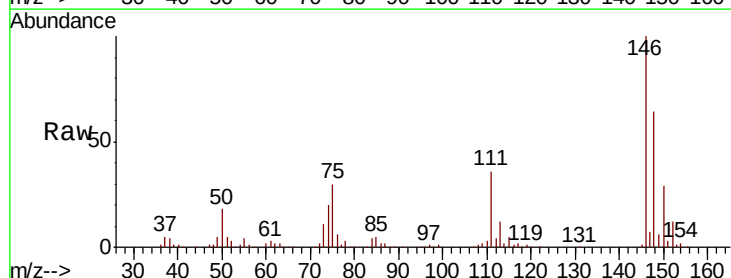
Manual Integrations
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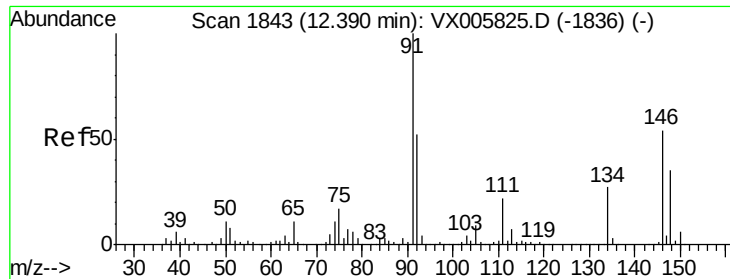
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 11/12/2018 9:12:07 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.234 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005877.D
 Acq: 09 Nov 2018 23:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.6	55.8
148	64.4	32.1	96.3





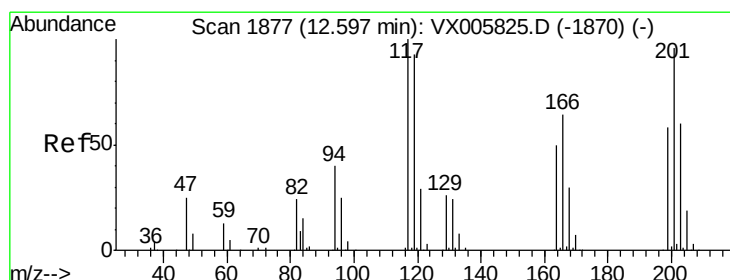
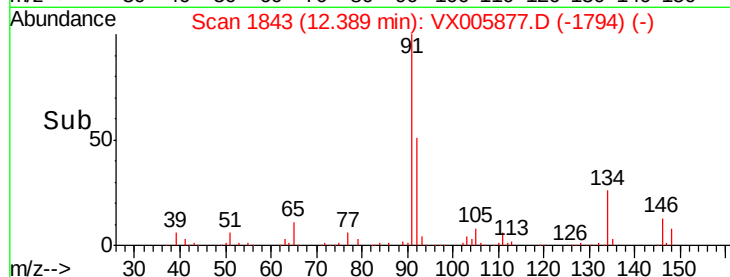
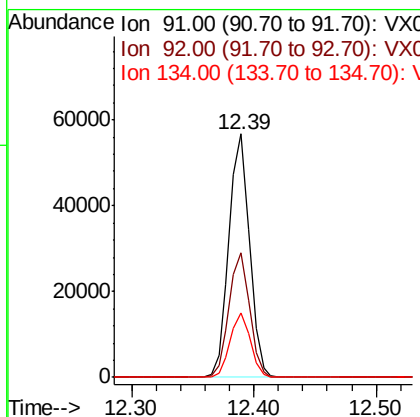
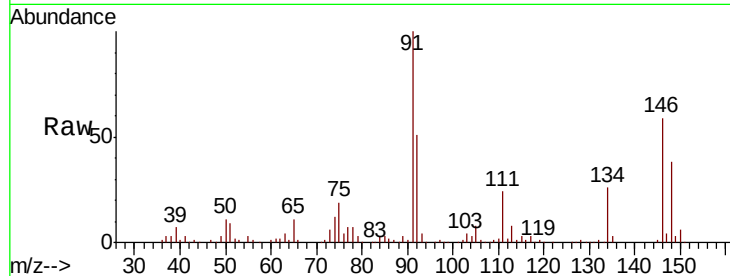
#89
n-Butylbenzene
Concen: 18.793 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005877.D
Acq: 09 Nov 2018 23:04

Instrument :
MSVOA_X
ClientSampleId :
VX1109MBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.2	26.1	78.2
134	25.9	13.1	39.3

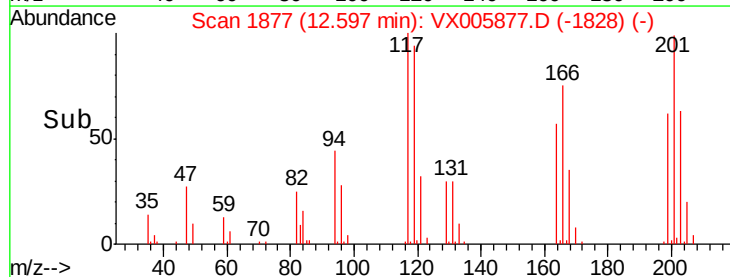
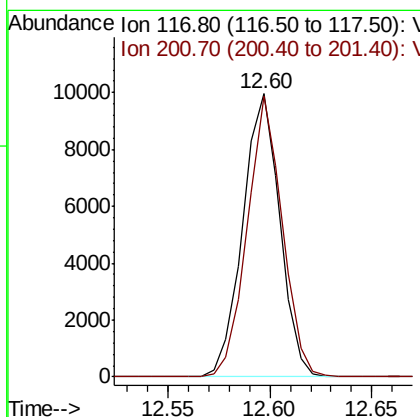
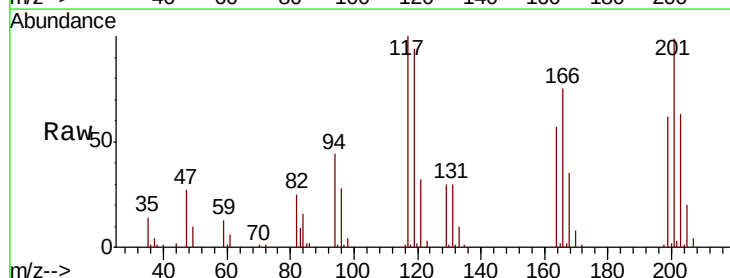
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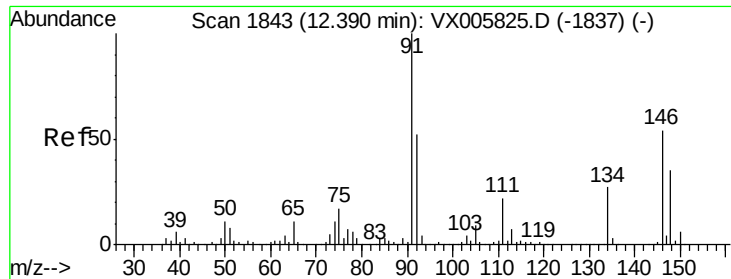
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#90
Hexachloroethane
Concen: 19.772 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005877.D
Acq: 09 Nov 2018 23:04

Tgt Ion	Ratio	Lower	Upper
117	100		
201	94.0	47.9	143.6





#91

1,2-Dichlorobenzene

Concen: 19.319 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX005877.D

Acq: 09 Nov 2018 23:04

Instrument :

MSVOA_X

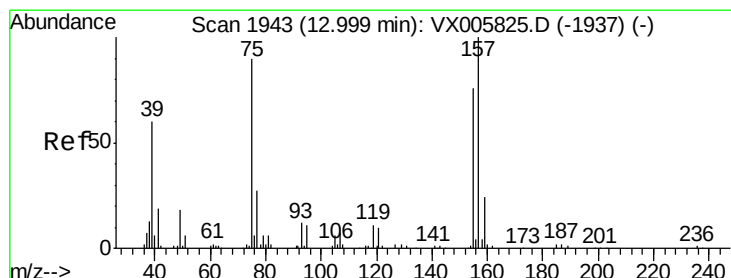
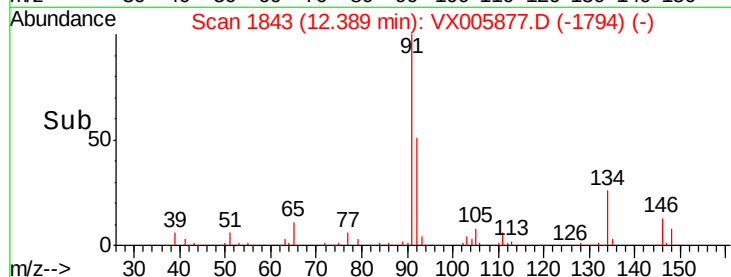
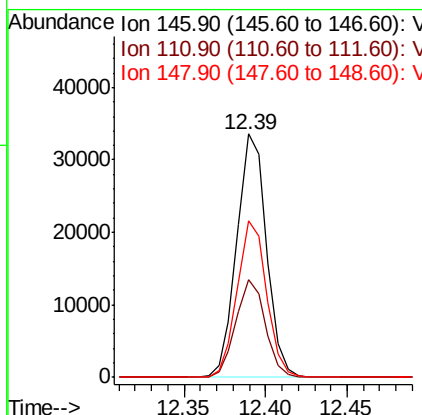
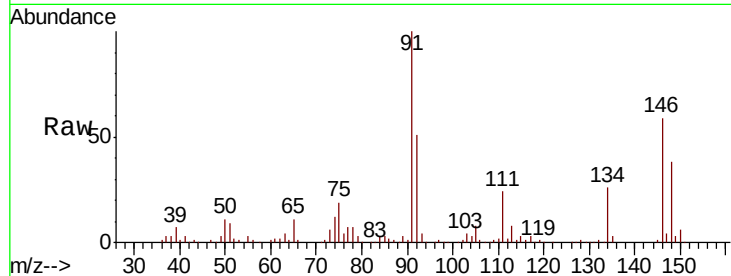
ClientSampleId :

VX1109MBS02

Tot Ion:	146	Resp:	42684
Ion Ratio	Lower	Upper	
146	100		
111	39.7	20.0	59.9
148	63.8	32.2	96.6

Manual Integrations
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11/12/2018 9:12:07 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.208 ug/l

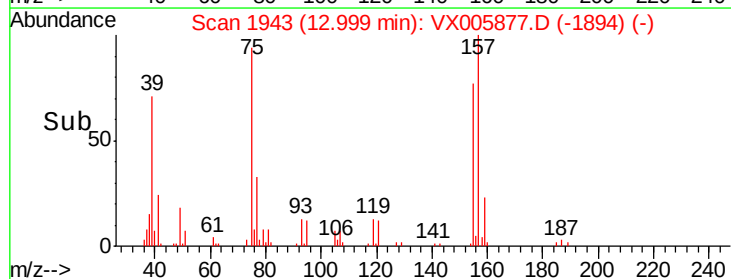
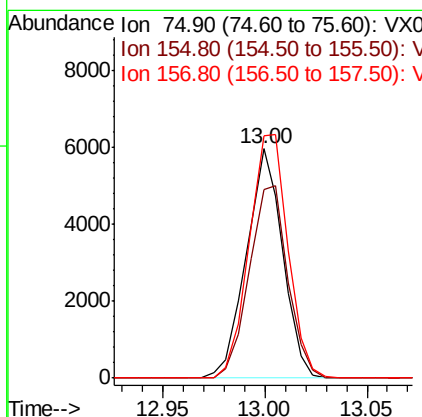
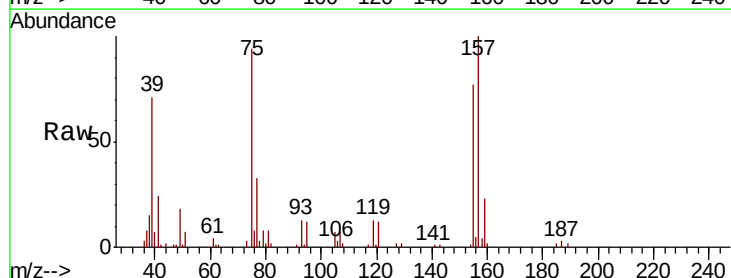
RT: 13.00 min Scan# 1943

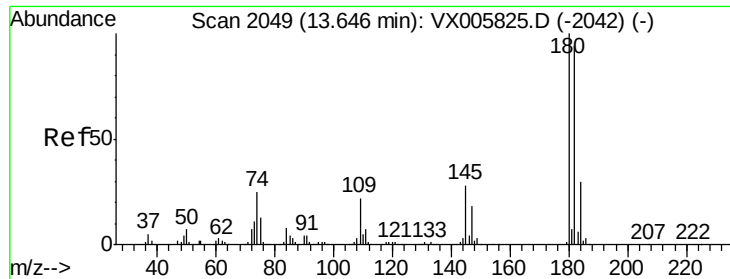
Delta R.T. -0.00 min

Lab File: VX005877.D

Acq: 09 Nov 2018 23:04

Tgt Ion:	75	Resp:	7380
Ion Ratio	Lower	Upper	
75	100		
155	89.3	45.4	136.1
157	113.7	57.4	172.0





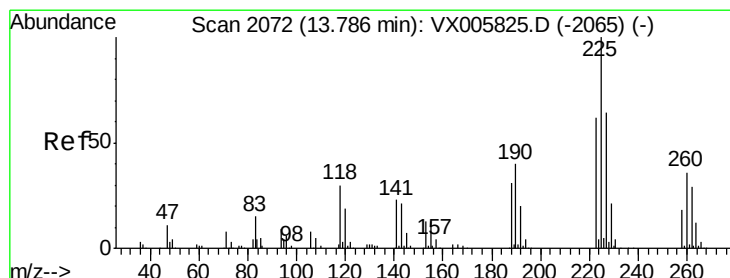
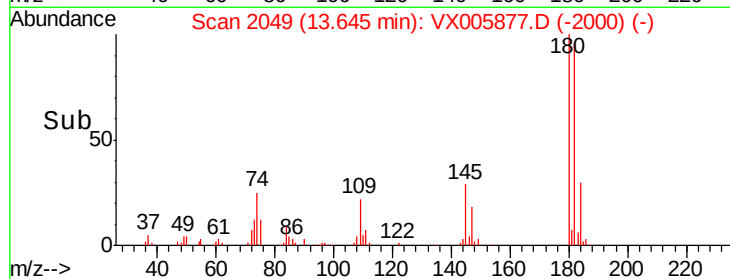
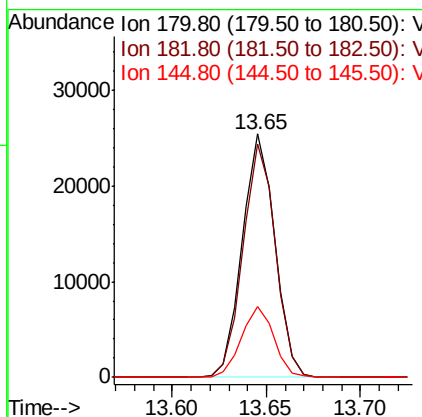
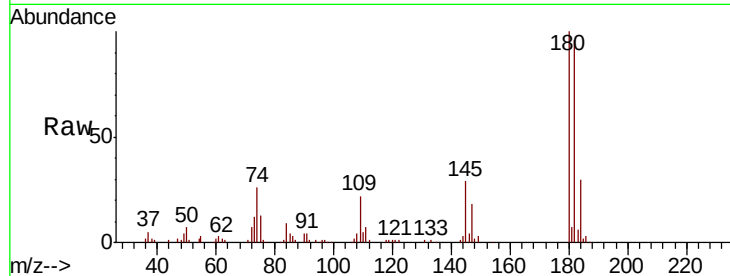
#93
 1,2,4-Trichlorobenzene
 Concen: 19.631 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005877.D
 Acq: 09 Nov 2018 23:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1109MBSD02

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.6	142.8
145	28.8	14.1	42.2

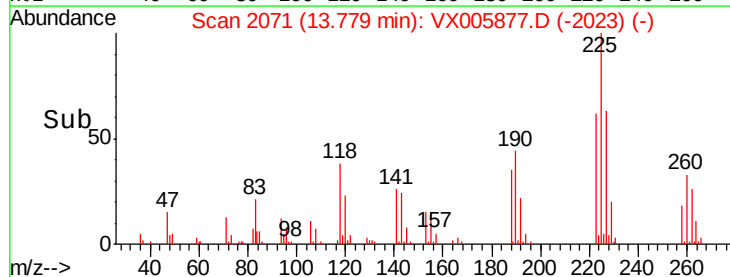
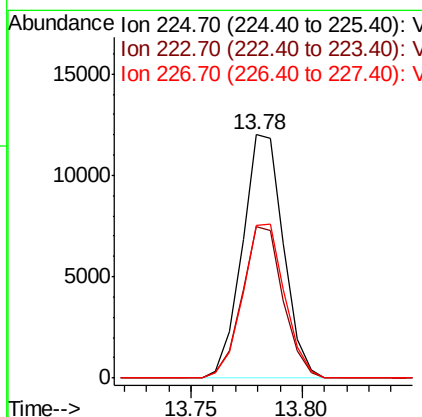
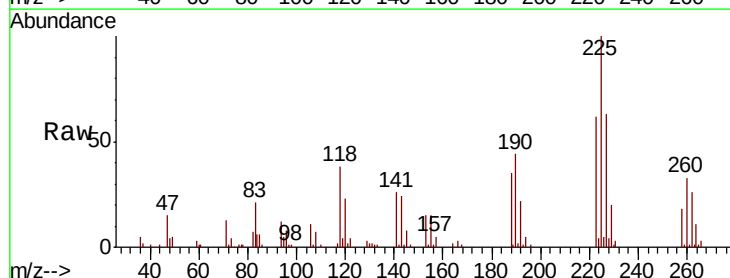
Manual Integrations
 APPROVED

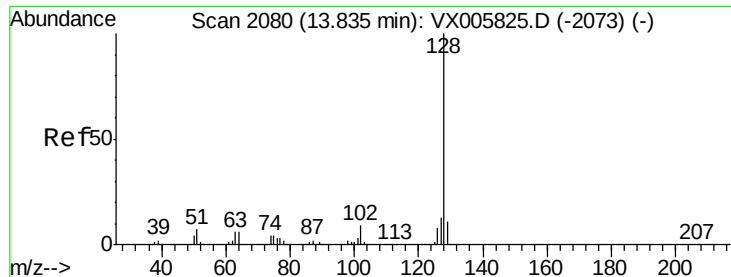
MMDadoda
 11/12/2018 9:12:07 AM



#94
 Hexachlorobutadiene
 Concen: 18.965 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VX005877.D
 Acq: 09 Nov 2018 23:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.8	31.7	95.1
227	64.2	32.3	96.9





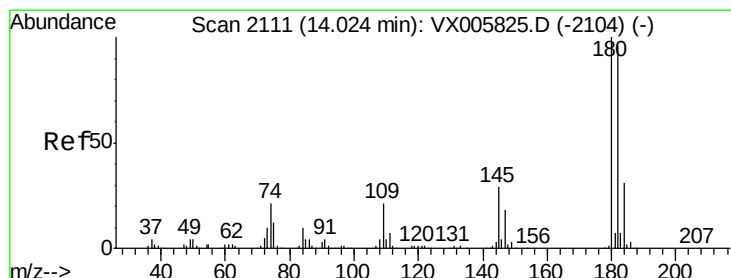
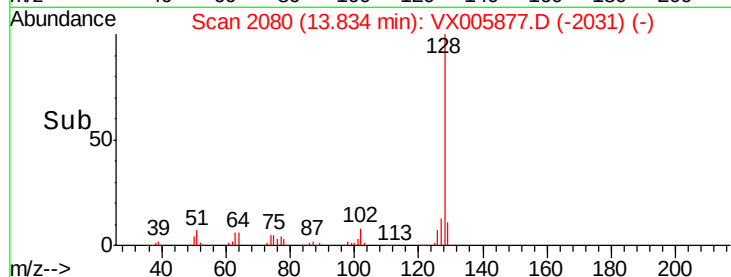
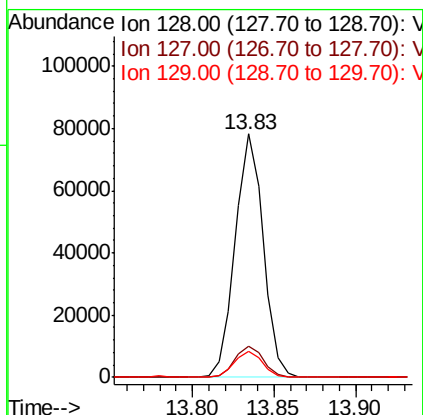
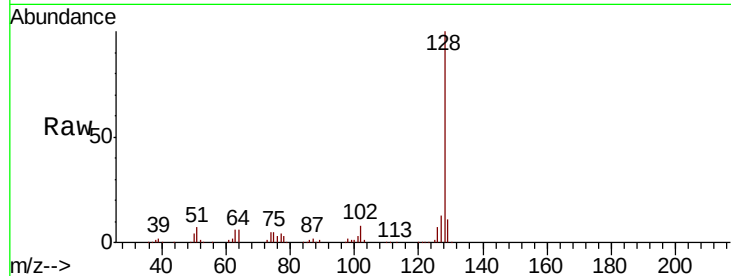
#95
Naphthalene
Concen: 19.271 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX005877.D
Acq: 09 Nov 2018 23:04

Instrument :
MSVOA_X
ClientSampleId :
VX1109MBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/12/2018 9:12:07 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.309 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VX005877.D
Acq: 09 Nov 2018 23:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	48.0	144.2
145	29.7	15.1	45.3

