

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111819\
 Data File : VN059277.D
 Acq On : 18 Nov 2019 12:48
 Operator : JC/SP
 Sample : VN1118MBS01
 Misc : 5.00G/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1118MBS01

Manual Integrations
 APPROVED

MMDADODA
 11/19/2019 11:01:48 AM

Quant Time: Nov 18 15:18:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	375237	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	587338	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	526574	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	234419	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	205504	44.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.10%	
35) Dibromofluoromethane	7.57	113	167179	47.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.34%	
50) Toluene-d8	10.08	98	626228	45.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.66%	
62) 4-Bromofluorobenzene	12.40	95	222147	44.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	65264	17.263	ug/l	100
3) Chloromethane	2.04	50	87061	16.941	ug/l	100
4) Vinyl Chloride	2.17	62	87919	17.645	ug/l	99
5) Bromomethane	2.54	94	53398	18.623	ug/l	98
6) Chloroethane	2.68	64	54865	18.615	ug/l	96
7) Trichlorofluoromethane	3.00	101	113805	19.096	ug/l	100
8) Diethyl Ether	3.38	74	49208	20.321	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	71881	20.004	ug/l	99
10) Methyl Iodide	3.93	142	85386	19.197	ug/l	98
11) Tert butyl alcohol	4.75	59	92969	105.759	ug/l	99
12) 1,1-Dichloroethene	3.71	96	67647	19.326	ug/l	99
13) Acrolein	3.58	56	42740	94.301	ug/l	98
14) Allyl chloride	4.29	41	138747	19.297	ug/l	97
15) Acrylonitrile	4.95	53	235864	107.814	ug/l	100
16) Acetone	3.79	43	195084	81.331	ug/l	98
17) Carbon Disulfide	4.03	76	176237	16.219	ug/l	99
18) Methyl Acetate	4.30	43	126991	22.305	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	251691	20.885	ug/l	100
20) Methylene Chloride	4.52	84	82982	19.858	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	72957	19.417	ug/l	96
22) Diisopropyl ether	5.92	45	280787	20.675	ug/l	97
23) Vinyl Acetate	5.87	43	1123379	106.727	ug/l	100
24) 1,1-Dichloroethane	5.82	63	151029	19.910	ug/l	98
25) 2-Butanone	6.81	43	307353	97.224	ug/l	99
26) 2,2-Dichloropropane	6.80	77	128467	19.368	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	89080	20.436	ug/l	96
28) Bromochloromethane	7.17	49	39443	17.283	ug/l	99
29) Tetrahydrofuran	7.18	42	211731	105.408	ug/l	99
30) Chloroform	7.35	83	150433	20.674	ug/l	99
31) Cyclohexane	7.63	56	130358	18.153	ug/l	94
32) 1,1,1-Trichloroethane	7.55	97	124307	20.319	ug/l	99
36) 1,1-Dichloropropene	7.77	75	105008	19.127	ug/l	100
37) Ethyl Acetate	6.90	43	125405	20.533	ug/l	99
38) Carbon Tetrachloride	7.75	117	108228	19.807	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	118943	18.668	ug/l	98
40) Benzene	8.02	78	331283	20.039	ug/l	98
41) Methacrylonitrile	7.15	41	56333	21.212	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	113763	20.064	ug/l	99
43) Isopropyl Acetate	8.15	43	194376	19.963	ug/l	99
44) Trichloroethene	8.82	130	82077	20.197	ug/l	99
45) 1,2-Dichloropropane	9.10	63	91272	20.326	ug/l	98
46) Dibromomethane	9.19	93	56909	20.338	ug/l	98
47) Bromodichloromethane	9.39	83	117205	20.976	ug/l	99
48) Methyl methacrylate	9.18	41	85213	19.566	ug/l	97
49) 1,4-Dioxane	9.18	88	33180	428.694	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	626017	113.630	ug/l	100
52) Toluene	10.15	92	201627	20.348	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	130440	20.206	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	139802	20.133	ug/l	97
55) 1,1,2-Trichloroethane	10.55	97	83725	20.878	ug/l	97
56) Ethyl methacrylate	10.42	69	122217	19.461	ug/l	97
57) 1,3-Dichloropropane	10.70	76	141121	20.447	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	220684	98.883	ug/l	99
59) 2-Hexanone	10.74	43	449719	106.352	ug/l	99
60) Dibromochloromethane	10.90	129	87488	20.634	ug/l	100
61) 1,2-Dibromoethane	11.00	107	82858	20.411	ug/l	98
64) Tetrachloroethene	10.63	164	72442	20.232	ug/l	96
65) Chlorobenzene	11.43	112	214030	20.850	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	81638	21.201	ug/l	98
67) Ethyl Benzene	11.51	91	379013	20.811	ug/l	99
68) m/p-Xylenes	11.62	106	280702	41.146	ug/l	99
69) o-Xylene	11.94	106	135377	20.534	ug/l	100
70) Styrene	11.96	104	214916	20.727	ug/l	99
71) Bromoform	12.12	173	63971	21.358	ug/l #	99
73) Isopropylbenzene	12.25	105	369309	21.658	ug/l	100
74) N-amyl acetate	12.07	43	147046	20.351	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	129580	22.315	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	122635m	22.979	ug/l	
77) Bromobenzene	12.53	156	89576	20.909	ug/l	98
78) n-propylbenzene	12.59	91	417849	21.402	ug/l	99
79) 2-Chlorotoluene	12.67	91	253734	20.949	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	309945	21.451	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	41910	20.741	ug/l	99
82) 4-Chlorotoluene	12.77	91	253345	20.855	ug/l	99
83) tert-Butylbenzene	12.99	119	267862	21.467	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	301674	21.580	ug/l	100
85) sec-Butylbenzene	13.17	105	351207	21.642	ug/l	100
86) p-Isopropyltoluene	13.29	119	307506	21.461	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	154590	21.072	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	149433	20.359	ug/l	99
89) n-Butylbenzene	13.62	91	253100	20.182	ug/l	100
90) Hexachloroethane	13.88	117	59950	20.836	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	154978	21.475	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	24947	21.548	ug/l	98

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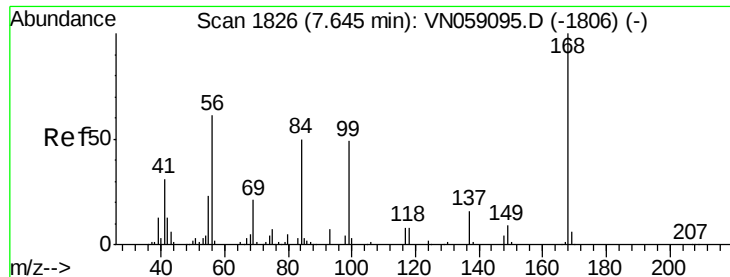
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	79978	20.200	ug/l	100
94) Hexachlorobutadiene	15.01	225	55684	22.378	ug/l	100
95) Naphthalene	15.13	128	219362	20.003	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	84820	20.972	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

Instrument :

MSVOA_N

ClientSampleId :

VN1118MBS01

Tot Ion:168 Resp: 375237

Ion Ratio Lower Upper

168 100

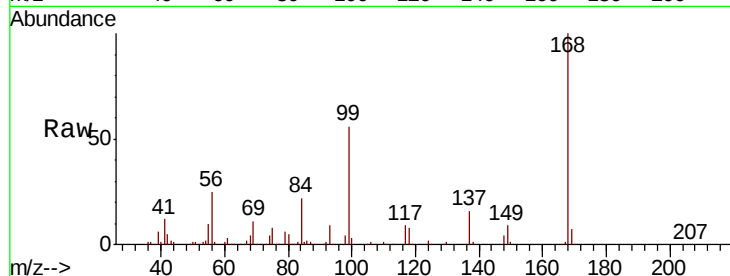
99 55.5 45.7 68.5

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

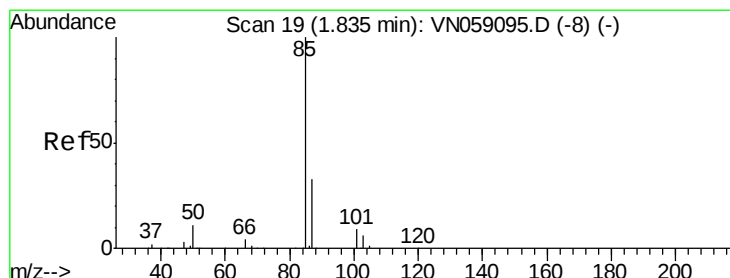
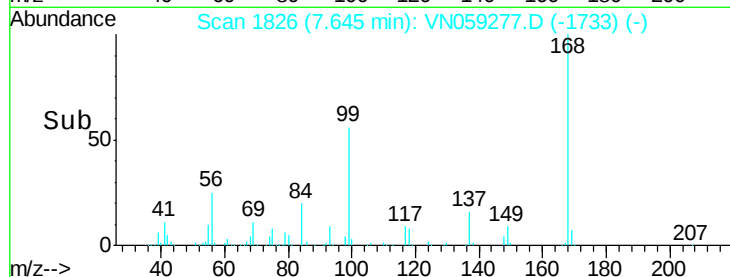
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 17.263 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059277.D

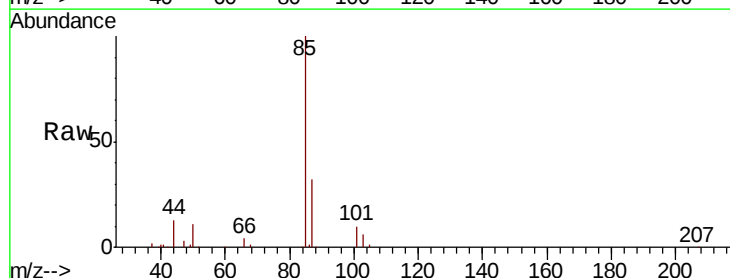
Acq: 18 Nov 2019 12:48

Tgt Ion: 85 Resp: 65264

Ion Ratio Lower Upper

85 100

87 32.3 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

50000

40000

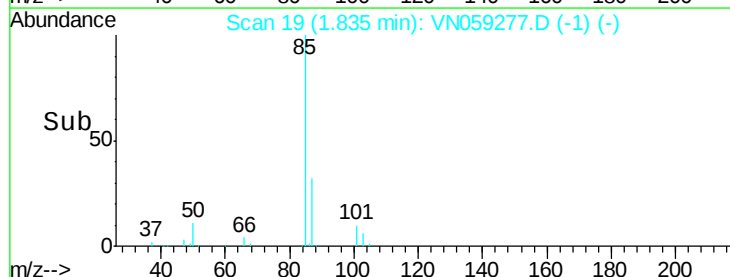
30000

20000

10000

0

Time--> 1.75 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 16.941 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

Instrument :

MSVOA_N

ClientSampleId :

VN1118MBS01

Tot Ion: 50 Resp: 87061

Ion Ratio Lower Upper

50 100

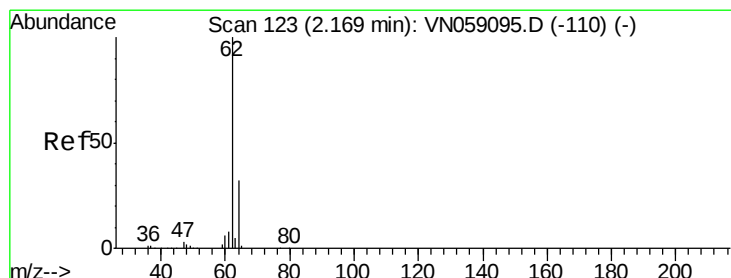
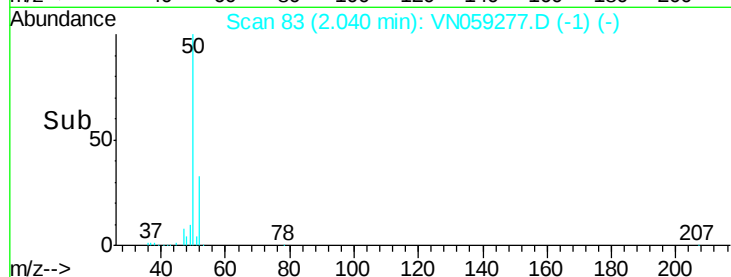
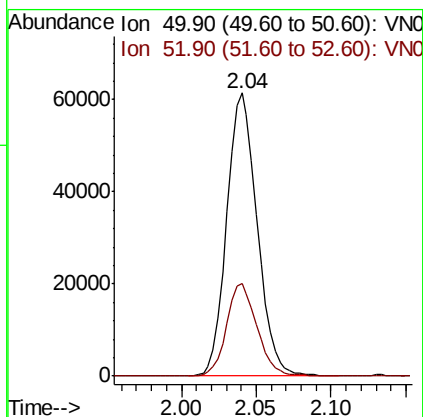
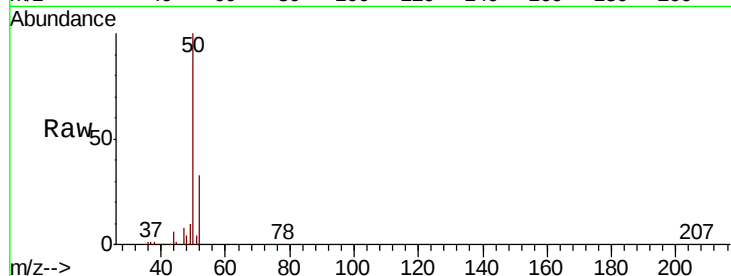
52 32.8 26.0 39.0

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#4

Vinyl Chloride

Concen: 17.645 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059277.D

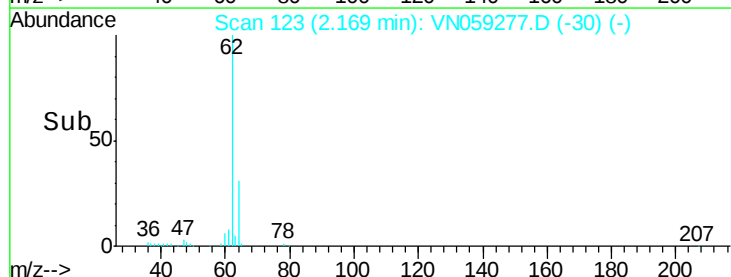
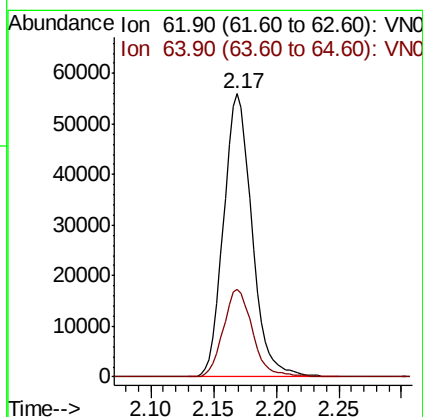
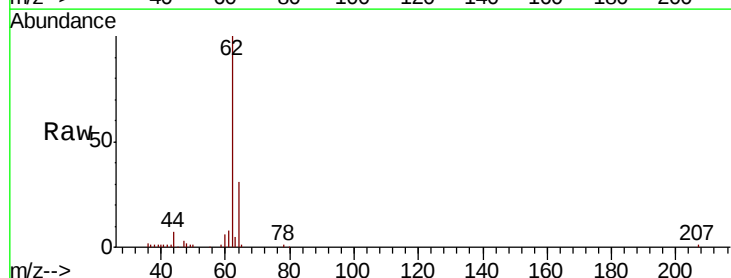
Acq: 18 Nov 2019 12:48

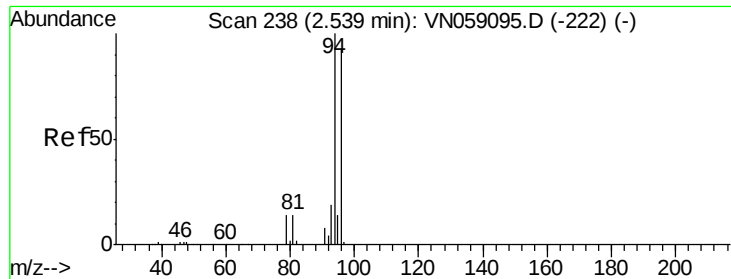
Tgt Ion: 62 Resp: 87919

Ion Ratio Lower Upper

62 100

64 31.1 25.4 38.2





#5

Bromomethane

Concen: 18.623 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.00 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

Instrument :

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ClientSampleId :

VN1118MBS01

Tot Ion: 94 Resp: 53398

Ion Ratio Lower Upper

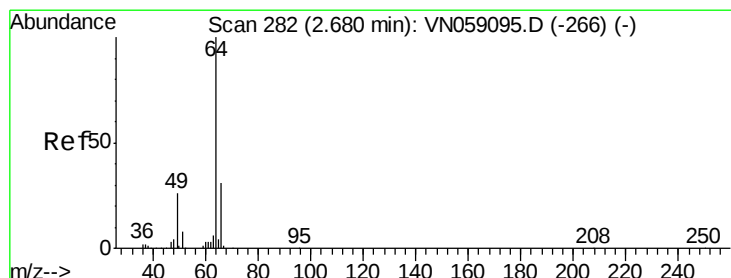
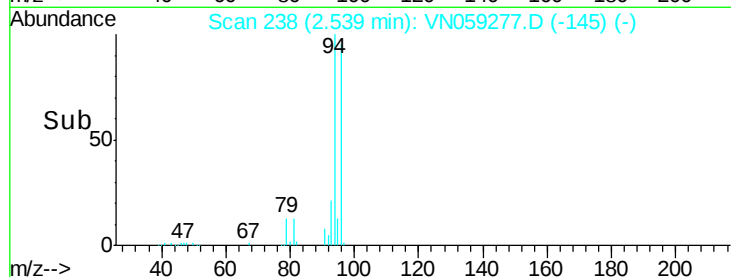
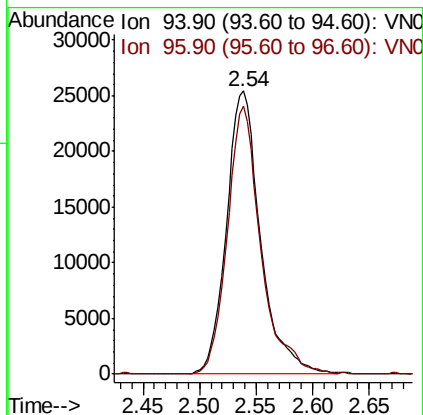
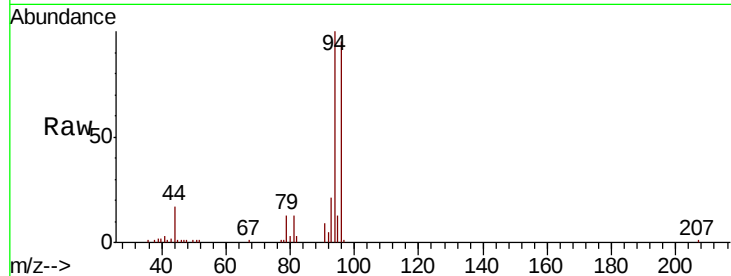
94 100

96 94.6 74.2 111.2

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#6

Chloroethane

Concen: 18.615 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN059277.D

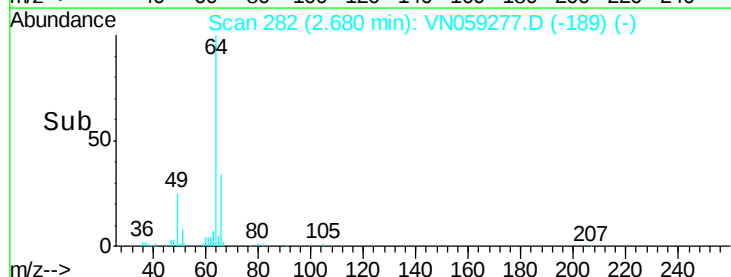
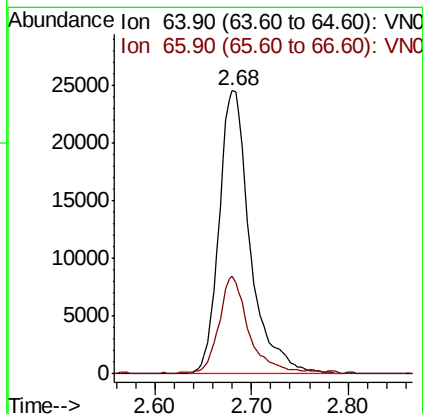
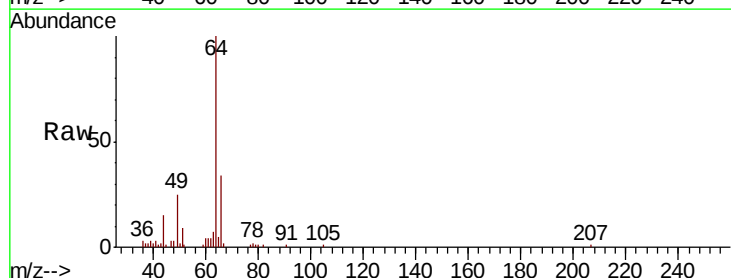
Acq: 18 Nov 2019 12:48

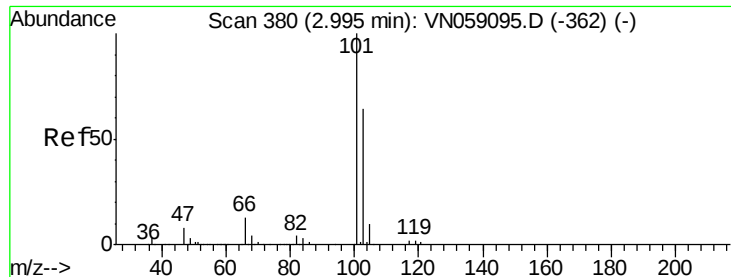
Tgt Ion: 64 Resp: 54865

Ion Ratio Lower Upper

64 100

66 33.7 25.2 37.8





#7

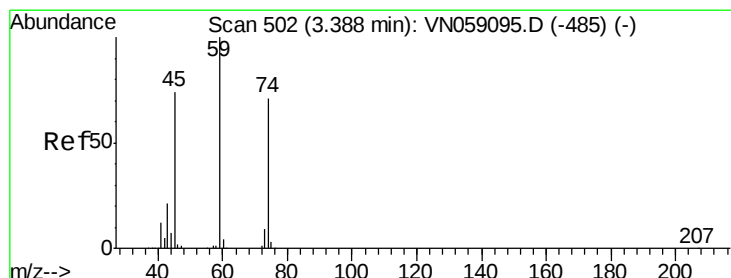
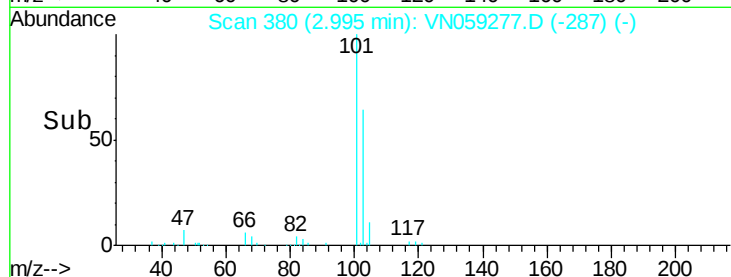
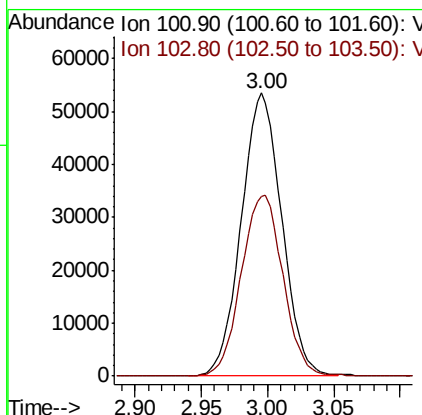
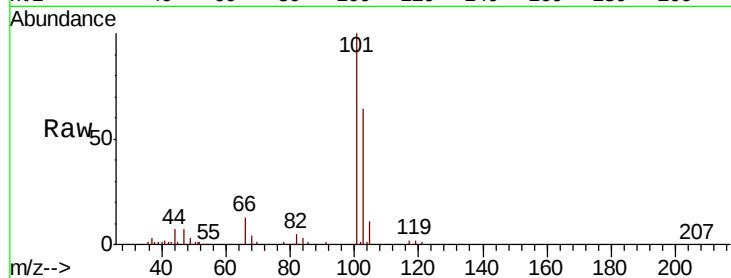
Trichlorofluoromethane
 Concen: 19.096 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN059277.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	51.2	76.8

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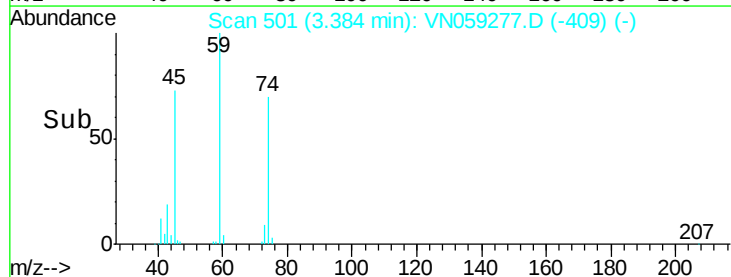
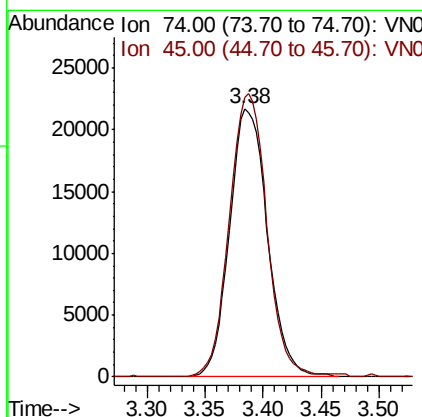
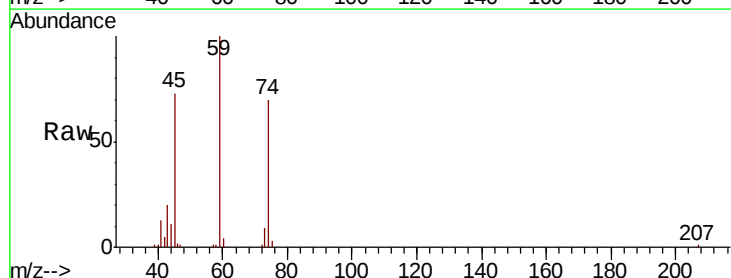
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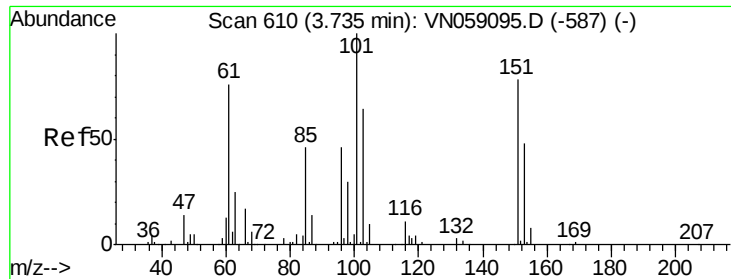


#8

Diethyl Ether
 Concen: 20.321 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN059277.D
 Acq: 18 Nov 2019 12:48

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.2	51.6	154.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.004 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

Instrument :

MSVOA_N

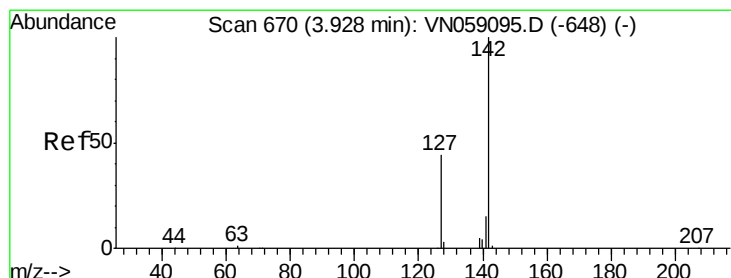
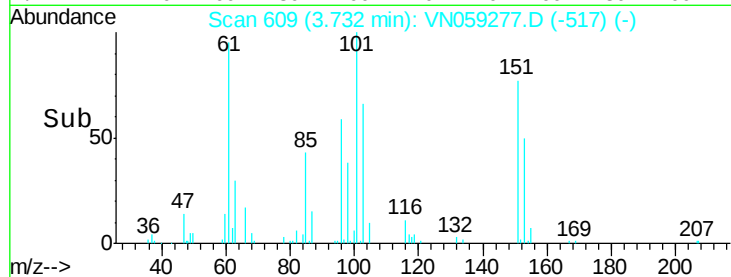
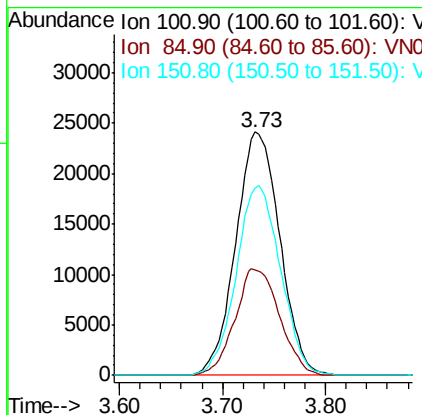
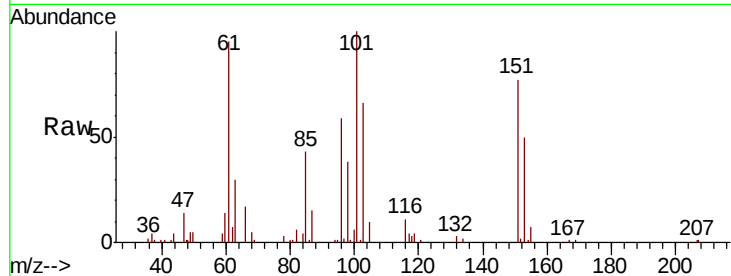
ClientSampleId :

VN1118MBS01

Tot Ion:	101	Resp:	71881
Ion Ratio	Lower	Upper	
101	100		
85	44.1	35.5	53.3
151	78.3	62.2	93.2

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#10

Methyl Iodide

Concen: 19.197 ug/l

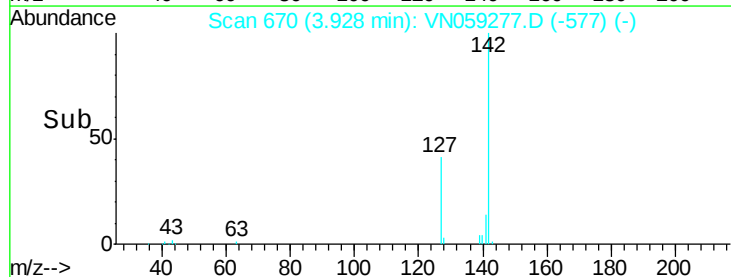
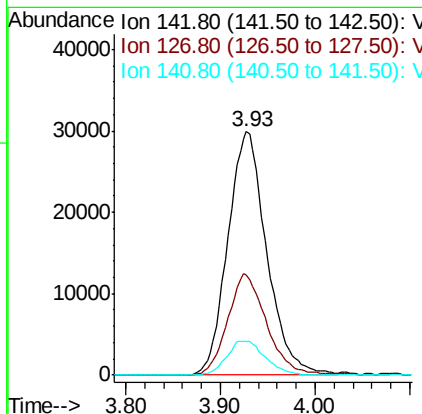
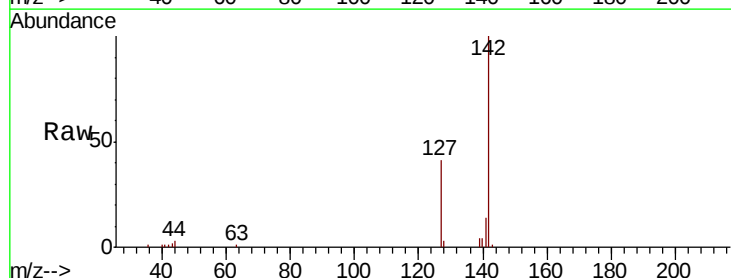
RT: 3.93 min Scan# 670

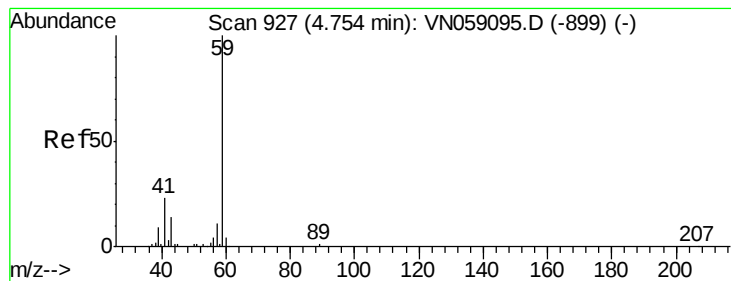
Delta R.T. -0.00 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

Tgt Ion:	142	Resp:	85386
Ion Ratio	Lower	Upper	
142	100		
127	41.4	34.2	51.2
141	13.9	11.4	17.0





#11

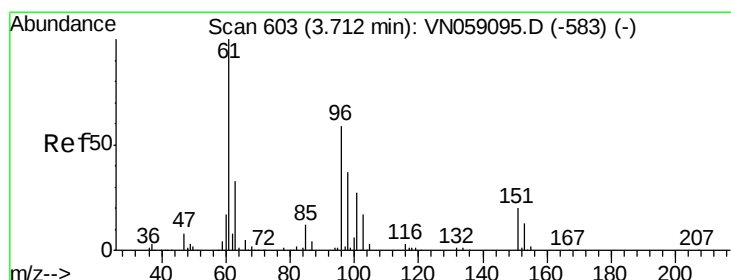
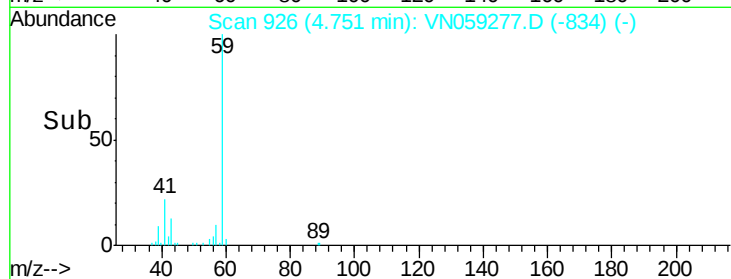
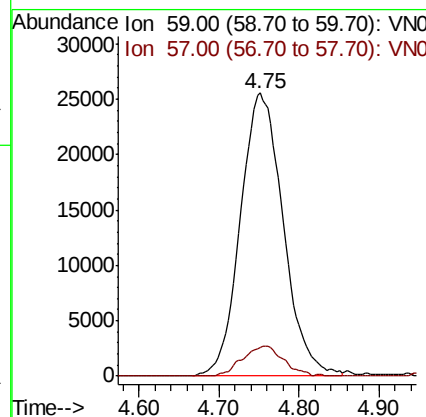
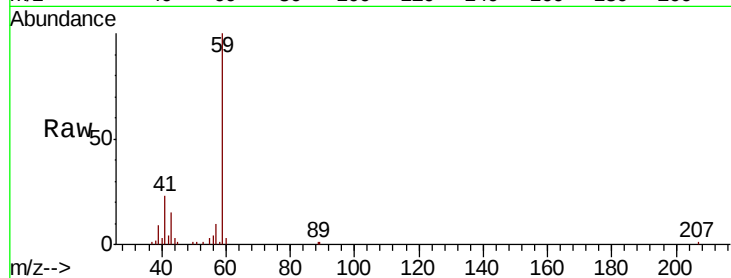
Tert butyl alcohol
 Concen: 105.759 ug/l
 RT: 4.75 min Scan# 926
 Delta R.T. -0.00 min
 Lab File: VN059277.D
 Acq: 18 Nov 2019 12:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1118MBS01

Tot Ion	59	Resp	92969
Ion Ratio	100	Lower	Upper
57	10.2	8.3	12.5

Manual Integrations
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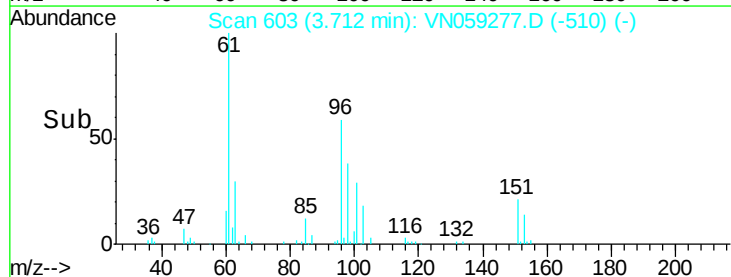
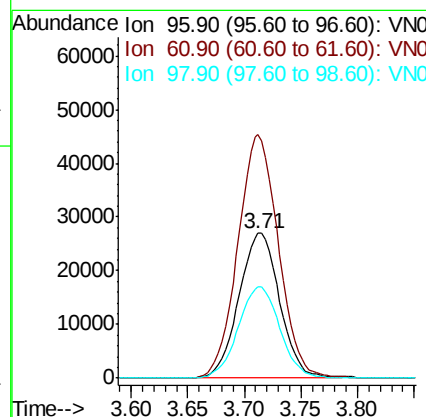
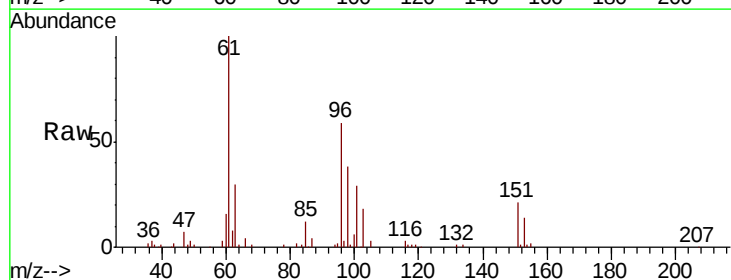
MMDADODA
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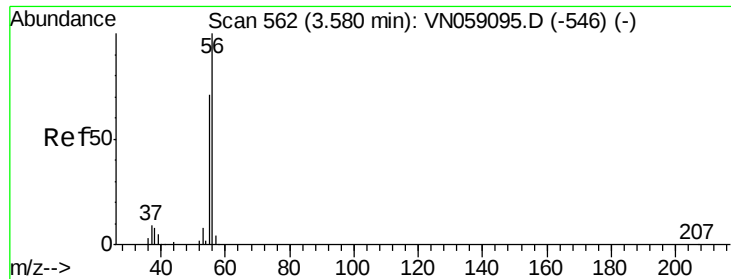


#12

1,1-Dichloroethene
 Concen: 19.326 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VN059277.D
 Acq: 18 Nov 2019 12:48

Tgt Ion	96	Resp	67647
Ion Ratio	100	Lower	Upper
61	168.1	136.5	204.7
98	63.2	50.2	75.4





#13

Acrolein

Concen: 94.301 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

Instrument :

MSVOA_N

ClientSampleId :

VN1118MBS01

Tot Ion: 56 Resp: 42740

Ion Ratio Lower Upper

56 100

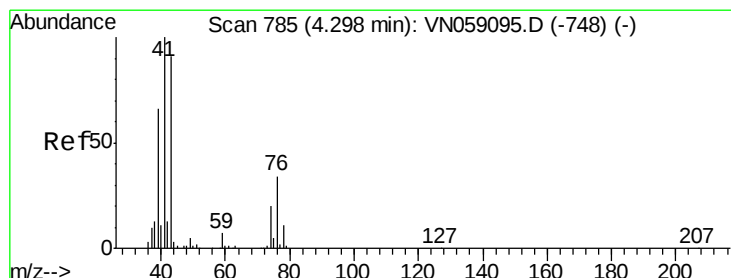
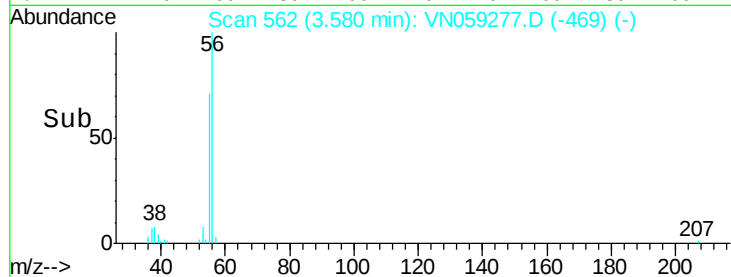
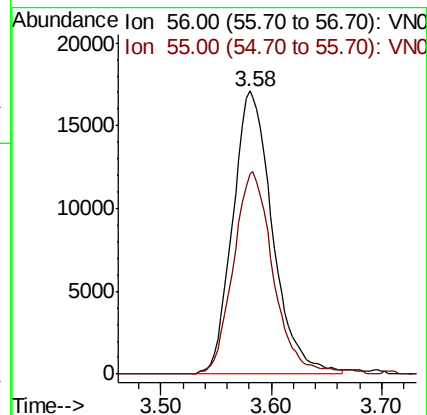
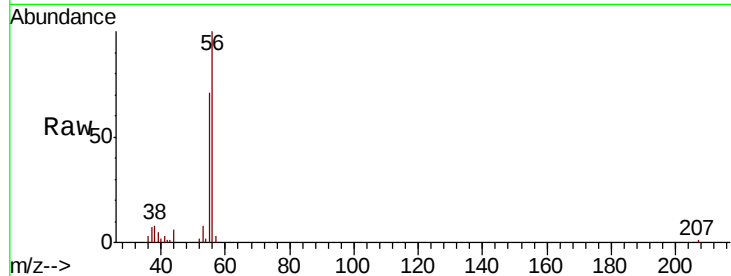
55 72.0 56.4 84.6

Manual Integrations

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#14

Allyl chloride

Concen: 19.297 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

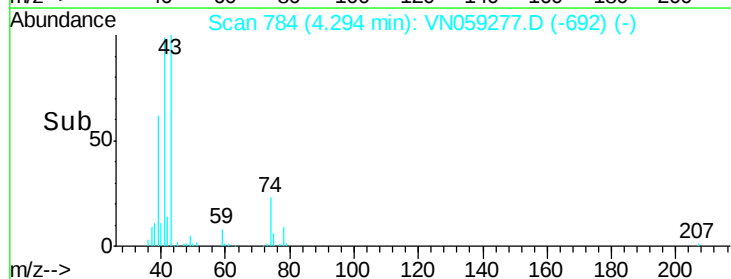
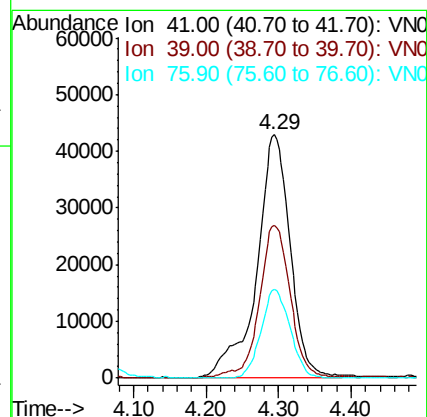
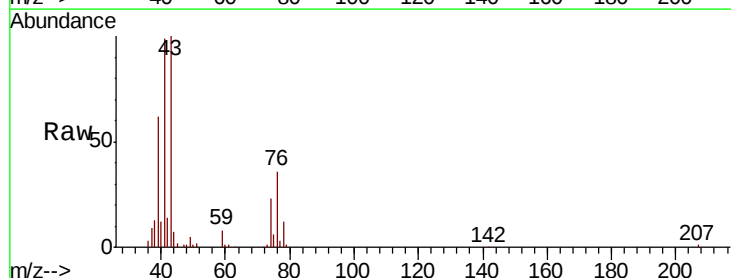
Tgt Ion: 41 Resp: 138747

Ion Ratio Lower Upper

41 100

39 58.2 49.1 73.7

76 31.4 24.9 37.3





#15

Acrylonitrile

Concen: 107.814 ug/l

RT: 4.95 min Scan# 989

Delta R.T. -0.00 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

Instrument :

MSVOA_N

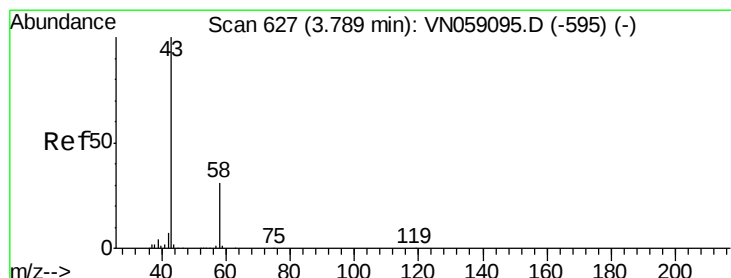
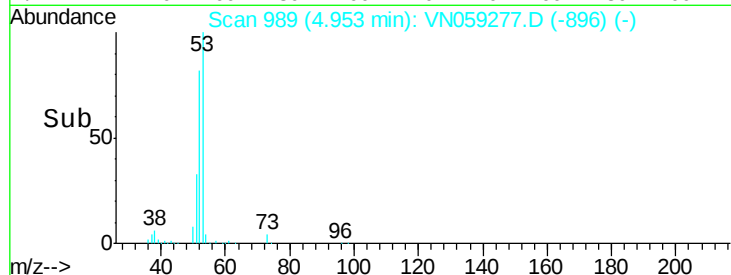
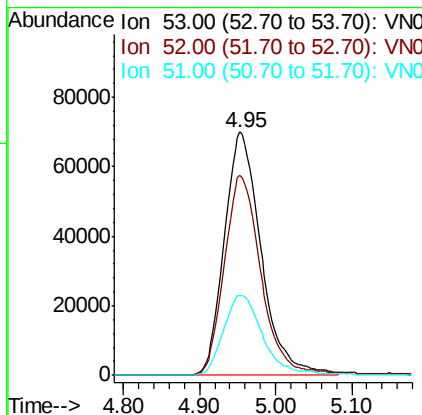
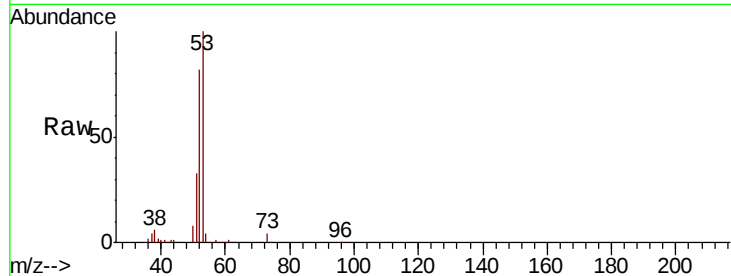
ClientSampleId :

VN1118MBS01

Tot Ion:	53	Resp:	235864
Ion Ratio		Lower	Upper
53	100		
52	81.8	65.0	97.6
51	35.0	28.0	42.0

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#16

Acetone

Concen: 81.331 ug/l

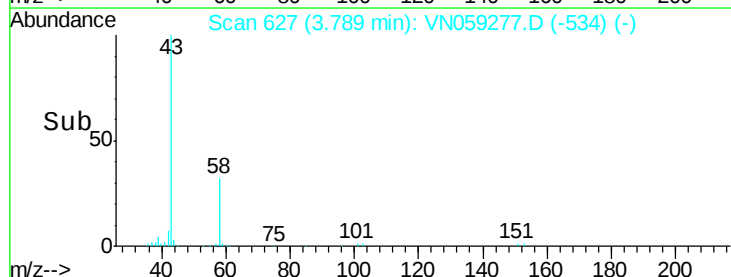
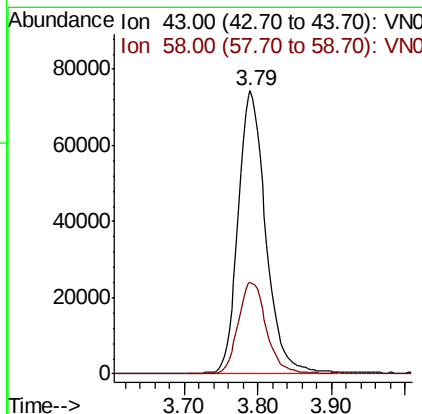
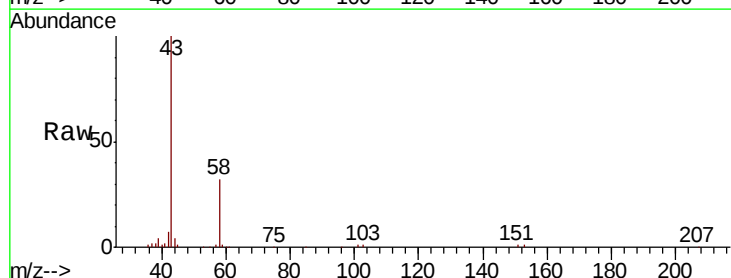
RT: 3.79 min Scan# 627

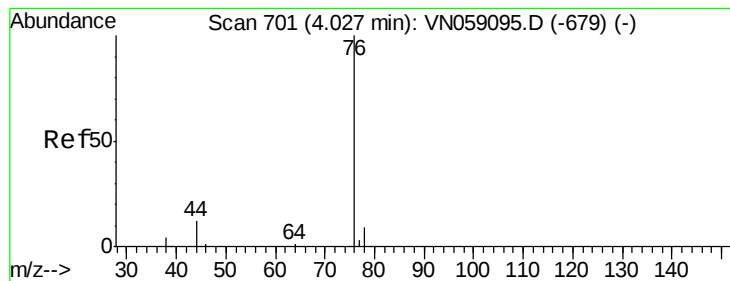
Delta R.T. -0.00 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

Tgt Ion:	43	Resp:	195084
Ion Ratio		Lower	Upper
43	100		
58	32.4	24.9	37.3





#17

Carbon Disulfide

Concen: 16.219 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

Instrument :

MSVOA_N

ClientSampleId :

VN1118MBS01

Tot Ion: 76 Resp: 176237

Ion Ratio Lower Upper

76 100

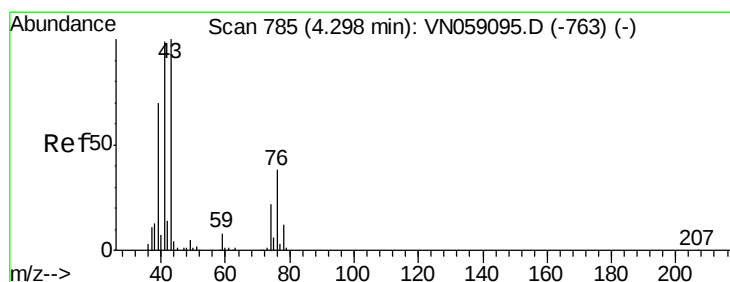
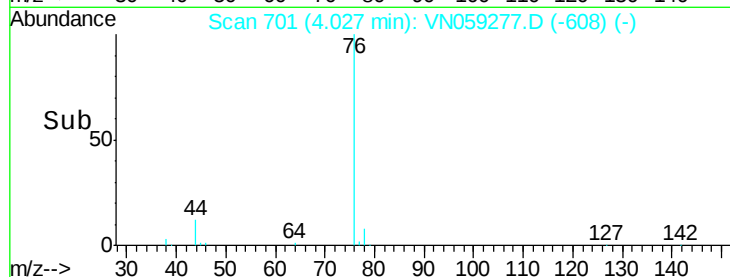
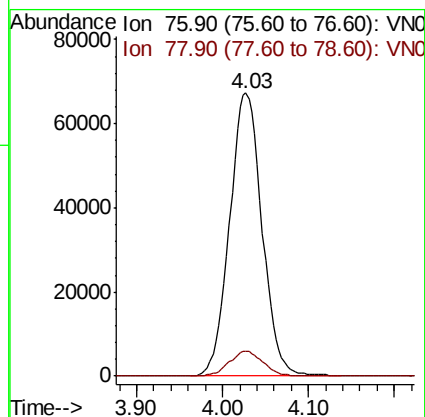
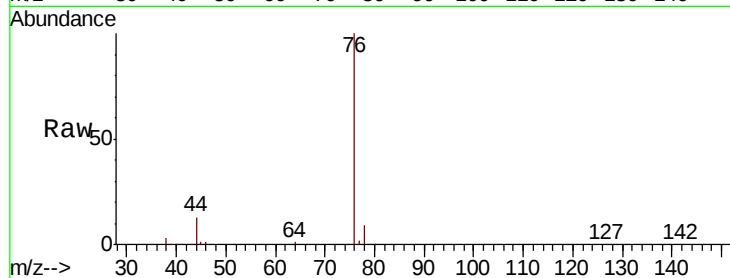
78 8.9 7.4 11.0

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#18

Methyl Acetate

Concen: 22.305 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN059277.D

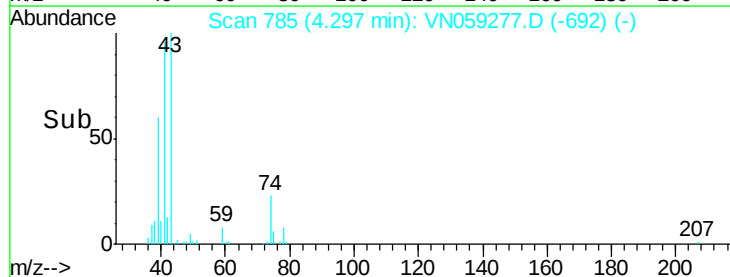
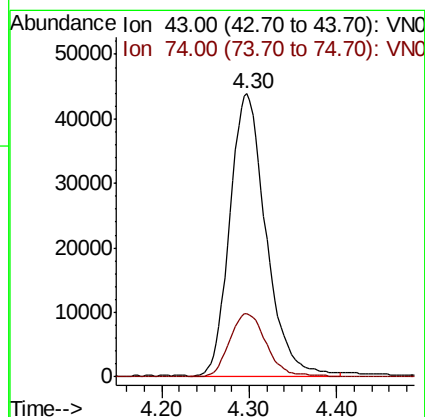
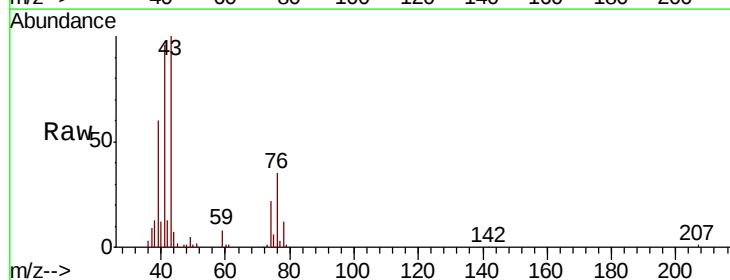
Acq: 18 Nov 2019 12:48

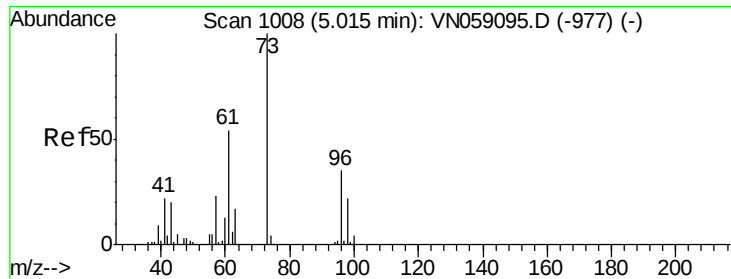
Tgt Ion: 43 Resp: 126991

Ion Ratio Lower Upper

43 100

74 22.6 17.8 26.8





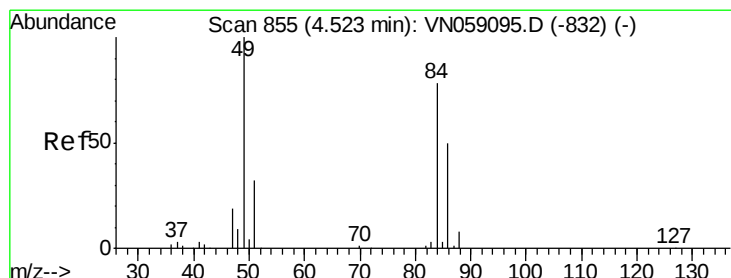
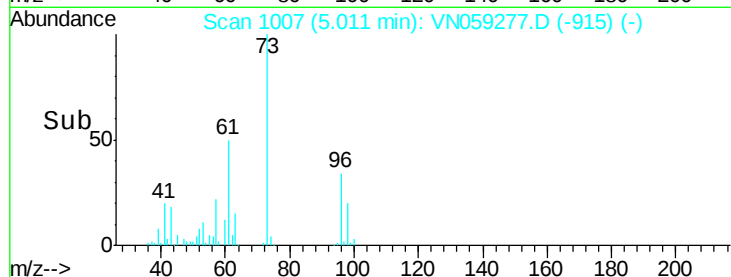
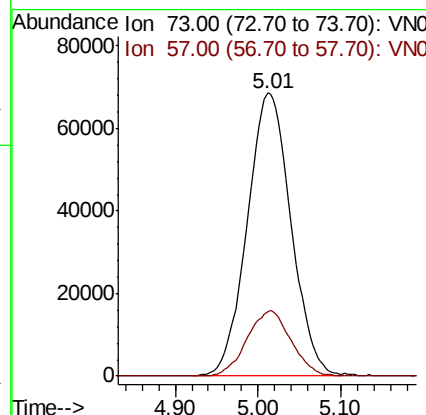
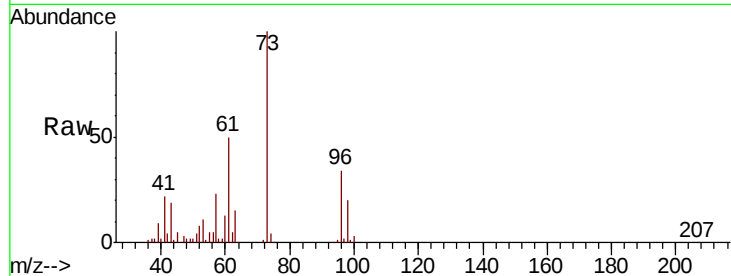
#19
Methyl tert-butyl Ether
Concen: 20.885 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059277.D
Acq: 18 Nov 2019 12:48

Instrument :
MSVOA_N
ClientSampleId :
VN1118MBS01

Tot Ion: 73 Resp: 251691
Ion Ratio Lower Upper
73 100
57 22.9 18.4 27.6

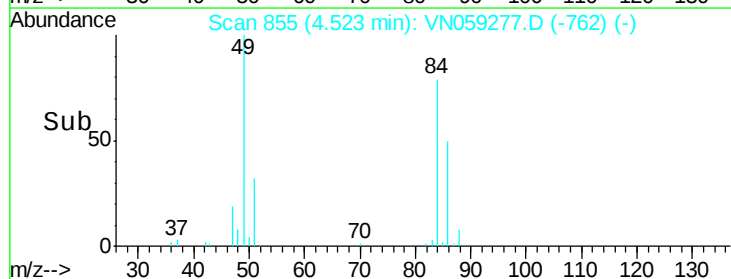
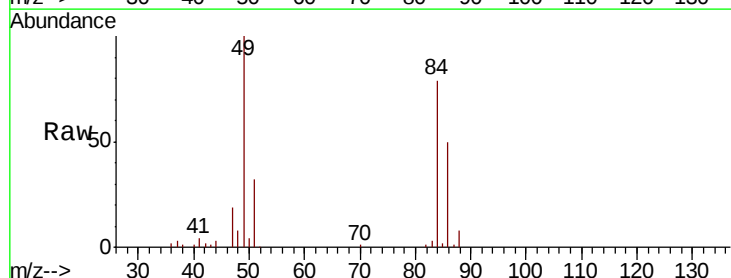
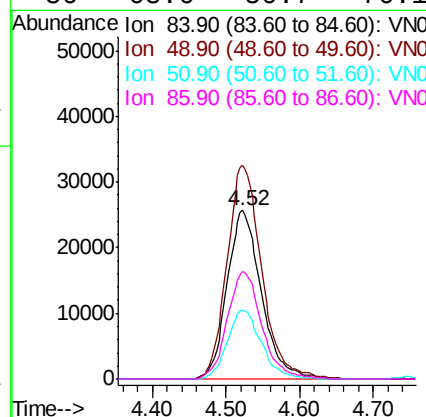
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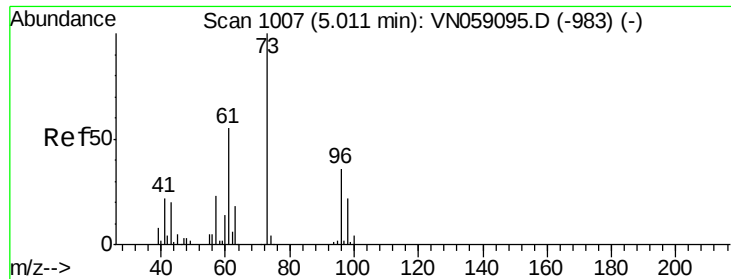
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#20
Methylene Chloride
Concen: 19.858 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN059277.D
Acq: 18 Nov 2019 12:48

Tgt Ion: 84 Resp: 82982
Ion Ratio Lower Upper
84 100
49 126.9 102.0 153.0
51 41.2 32.2 48.2
86 63.6 50.7 76.1





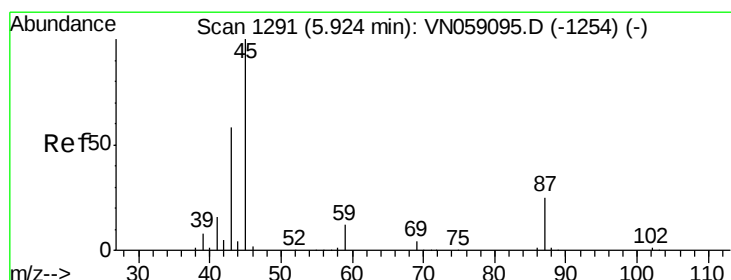
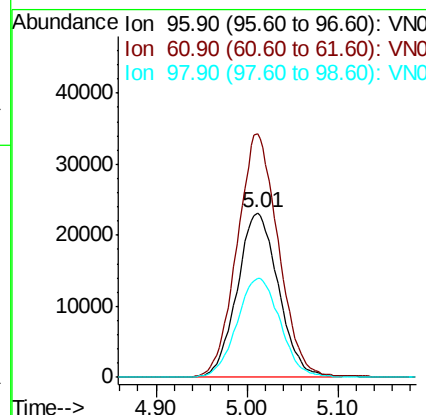
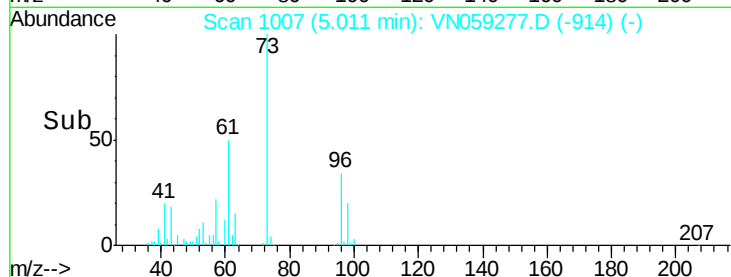
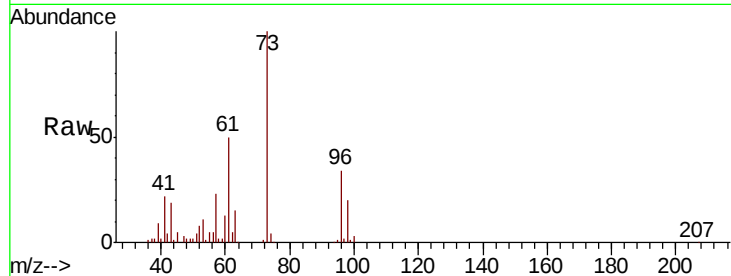
#21
trans-1,2-Dichloroethene
Concen: 19.417 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059277.D
Acq: 18 Nov 2019 12:48

Instrument :
MSVOA_N
ClientSampleId :
VN1118MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.0	122.6	183.8
98	60.1	50.3	75.5

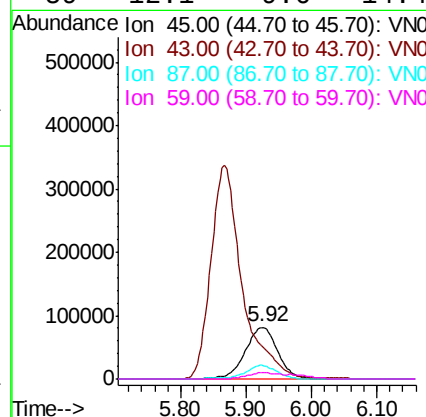
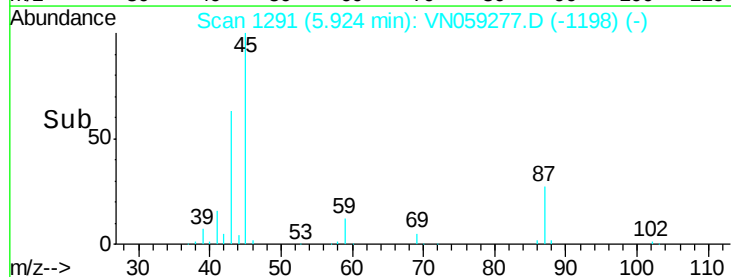
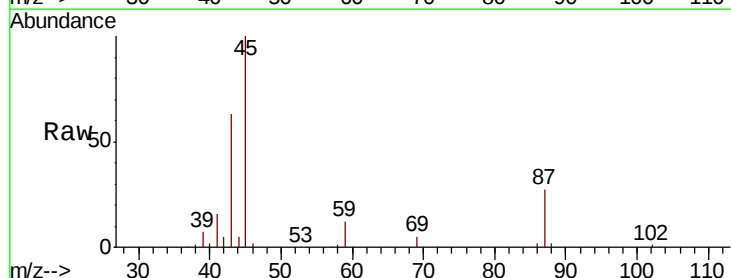
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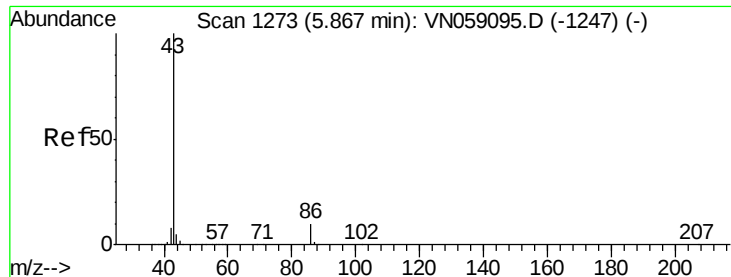
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#22
Diisopropyl ether
Concen: 20.675 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. -0.00 min
Lab File: VN059277.D
Acq: 18 Nov 2019 12:48

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.6	46.7	70.1
87	26.8	20.5	30.7
59	12.1	9.6	14.4





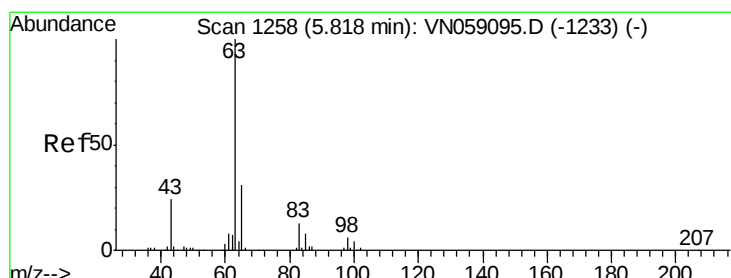
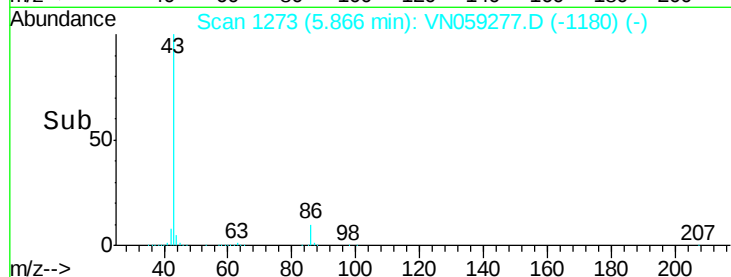
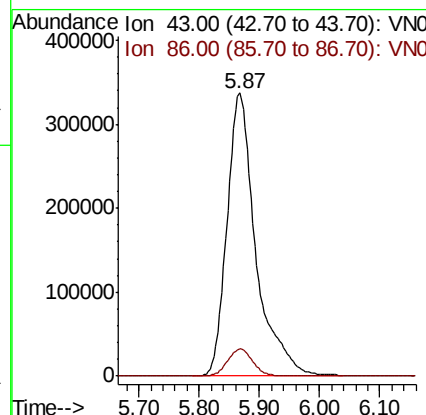
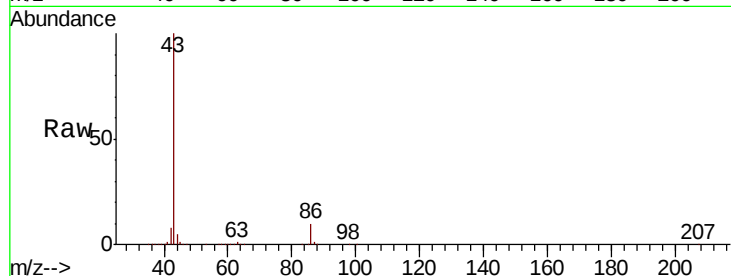
#23
 Vinyl Acetate
 Concen: 106.727 ug/l
 RT: 5.87 min Scan# 1273
 Delta R.T. -0.00 min
 Lab File: VN059277.D
 Acq: 18 Nov 2019 12:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1118MBS01

Tot Ion: 43 Resp: 1123379
 Ion Ratio Lower Upper
 43 100
 86 9.7 7.7 11.5

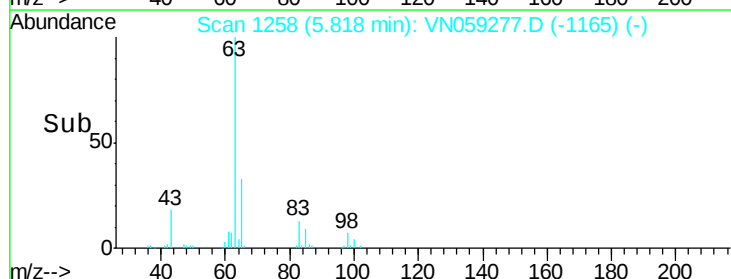
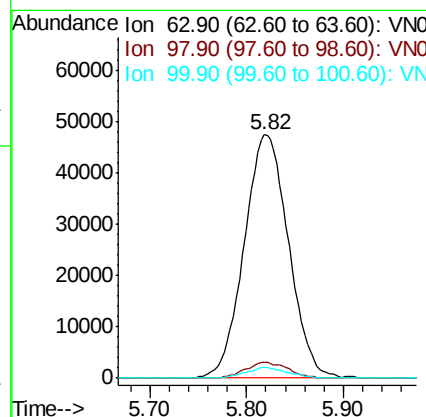
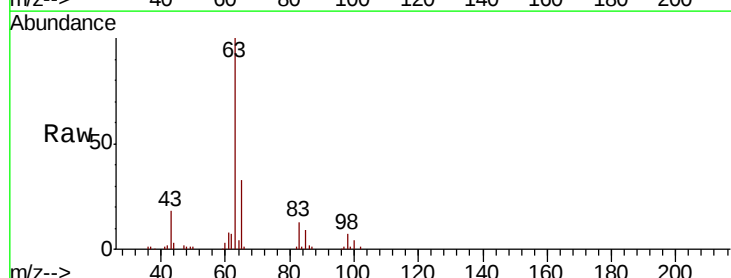
Manual Integrations
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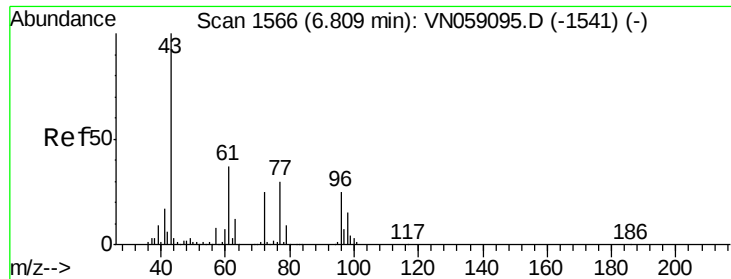
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#24
 1,1-Dichloroethane
 Concen: 19.910 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. -0.00 min
 Lab File: VN059277.D
 Acq: 18 Nov 2019 12:48

Tgt Ion: 63 Resp: 151029
 Ion Ratio Lower Upper
 63 100
 98 6.6 2.8 8.4
 100 4.3 1.9 5.7





#25

2-Butanone

Concen: 97.224 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

Instrument :

MSVOA_N

ClientSampleId :

VN1118MBS01

Tot Ion: 43 Resp: 307353

Ion Ratio Lower Upper

43 100

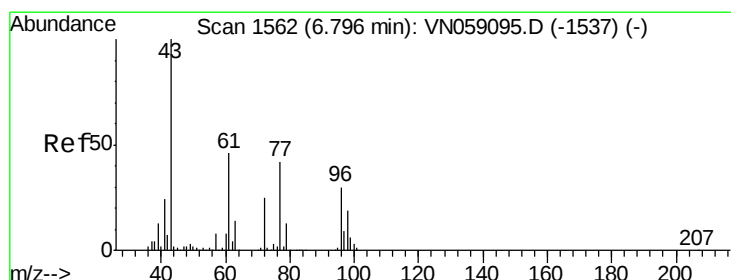
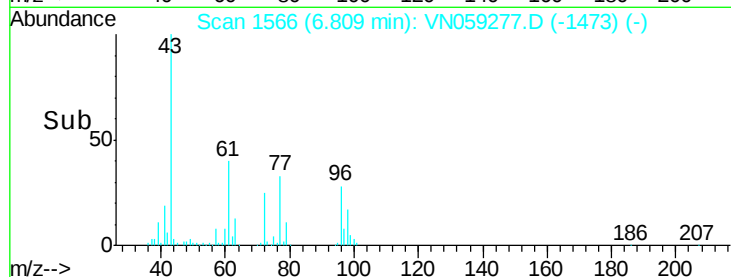
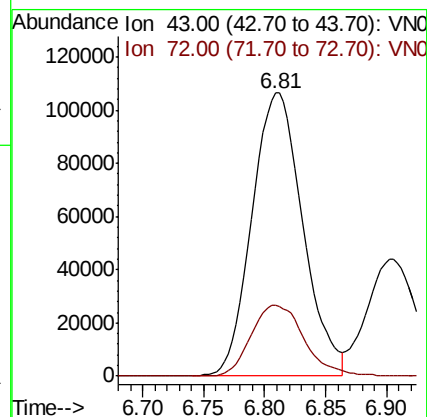
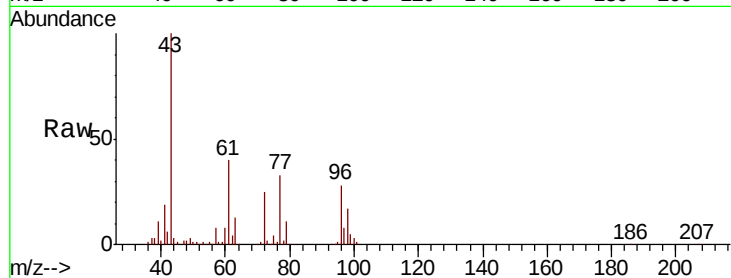
72 25.1 20.3 30.5

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.368 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059277.D

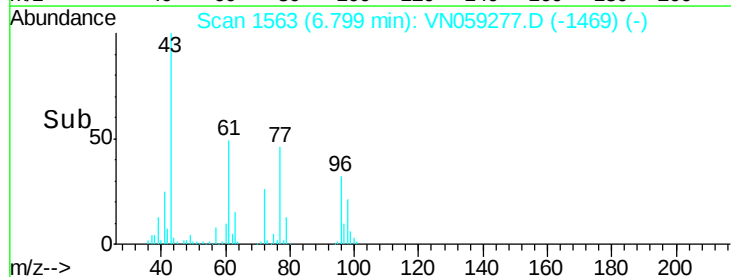
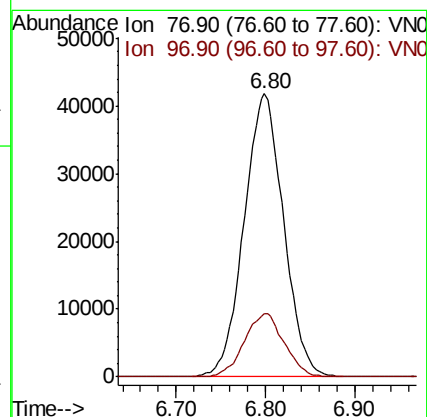
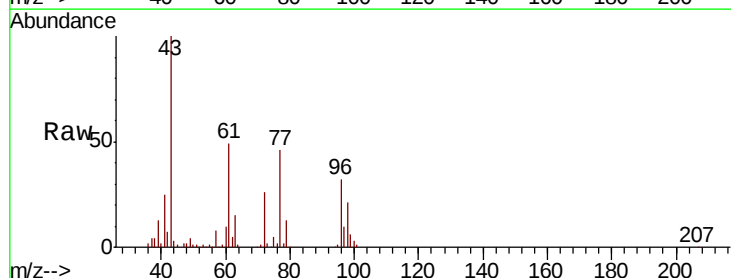
Acq: 18 Nov 2019 12:48

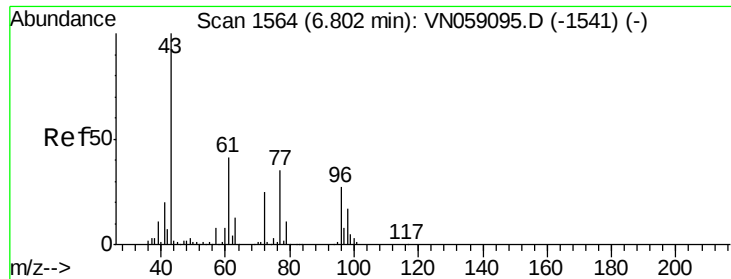
Tgt Ion: 77 Resp: 128467

Ion Ratio Lower Upper

77 100

97 22.5 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 20.436 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

Instrument :

MSVOA_N

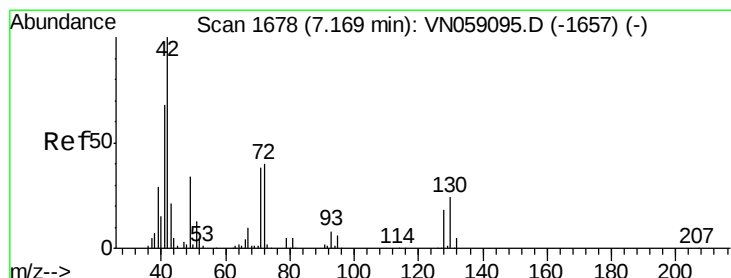
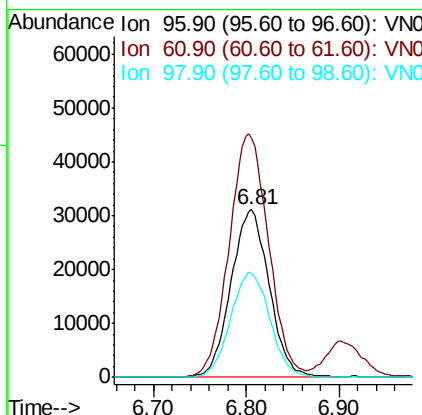
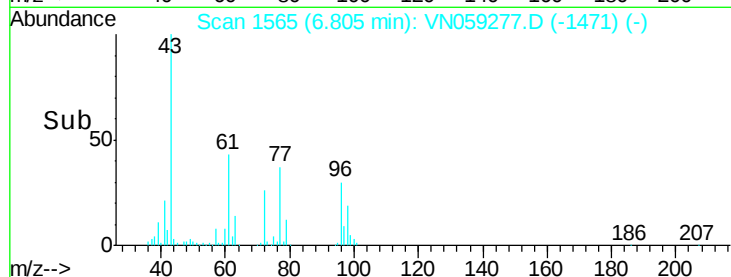
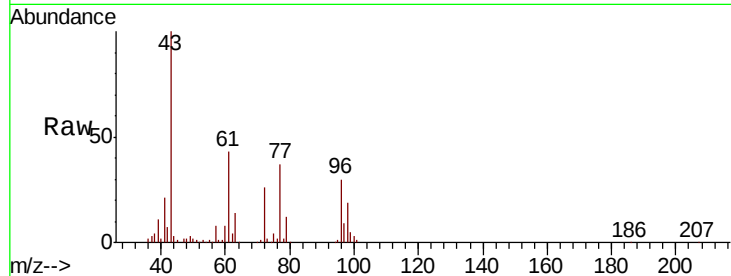
ClientSampleId :

VN1118MBS01

Tot Ion:	96	Resp:	89080
Ion	Ratio	Lower	Upper
96	100		
61	149.5	0.0	311.6
98	64.2	0.0	129.8

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#28

Bromochloromethane

Concen: 17.283 ug/l

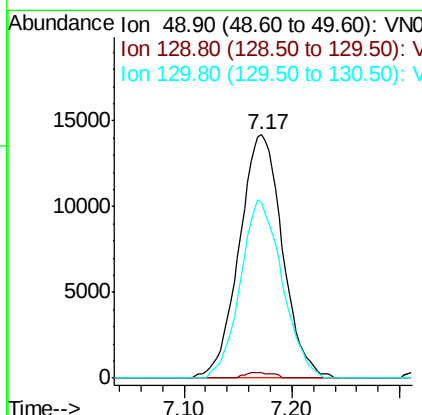
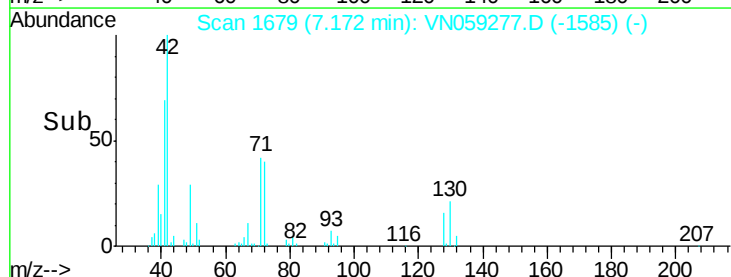
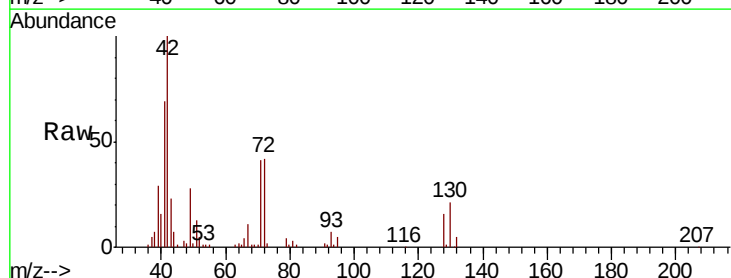
RT: 7.17 min Scan# 1679

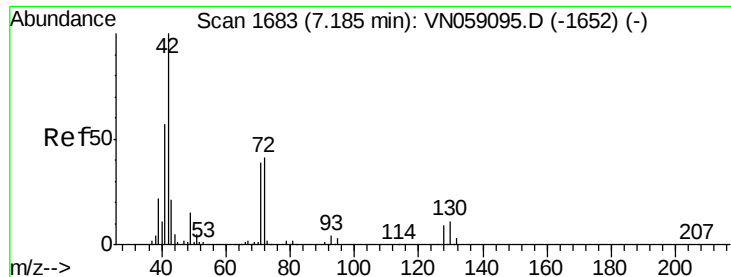
Delta R.T. 0.00 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

Tgt Ion:	49	Resp:	39443
Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.8
130	70.7	55.6	83.4





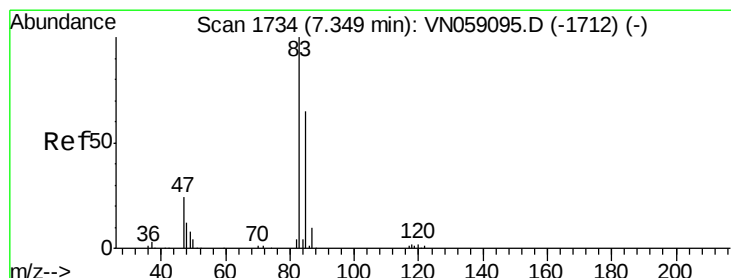
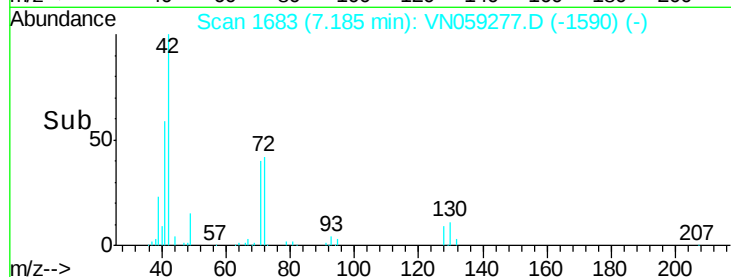
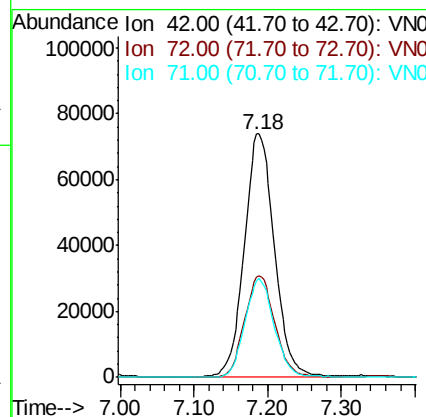
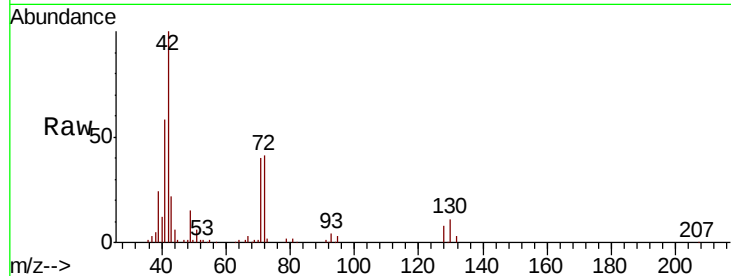
#29
Tetrahydrofuran
Concen: 105.408 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN059277.D
Acq: 18 Nov 2019 12:48

Instrument :
MSVOA_N
ClientSampleId :
VN1118MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.7	33.1	49.7
71	39.2	30.9	46.3

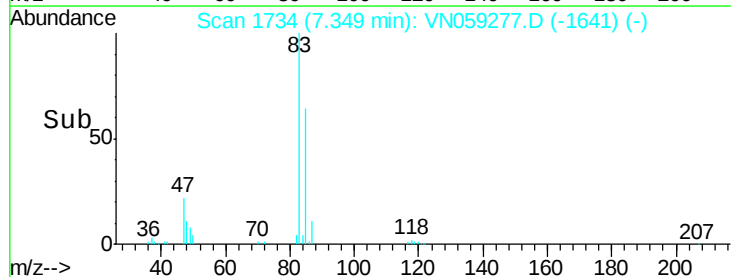
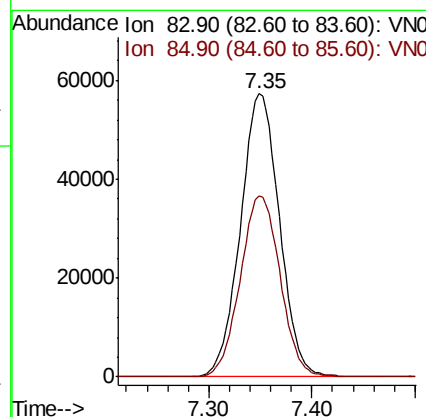
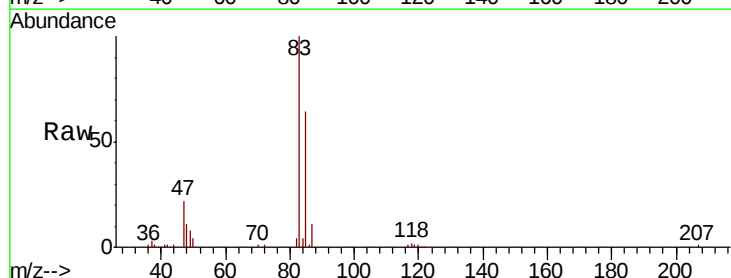
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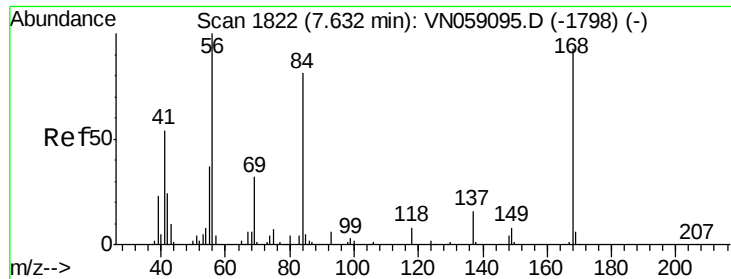
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#30
Chloroform
Concen: 20.674 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN059277.D
Acq: 18 Nov 2019 12:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.8	77.8





#31

Cyclohexane

Concen: 18.153 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

Instrument :

MSVOA_N

ClientSampleId :

VN1118MBS01

Tot Ion: 56 Resp: 130358

Ion Ratio Lower Upper

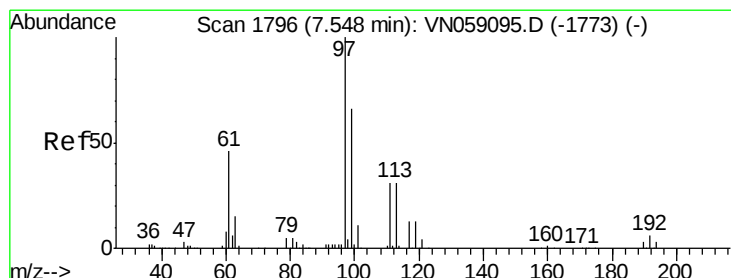
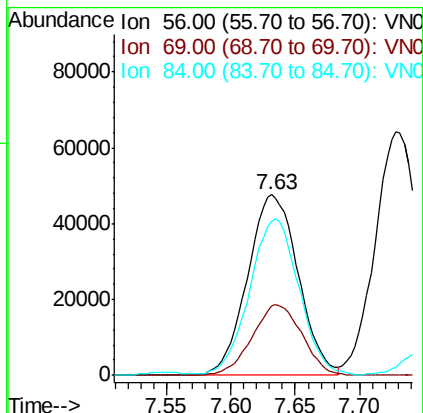
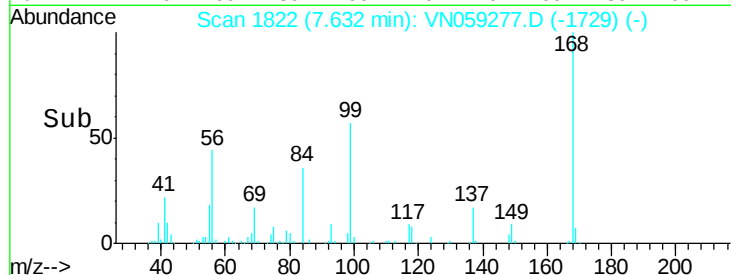
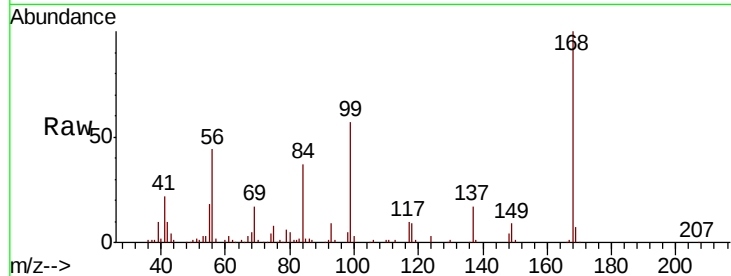
56 100

69 38.3 25.8 38.8

84 84.6 65.0 97.4

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#32

1,1,1-Trichloroethane

Concen: 20.319 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

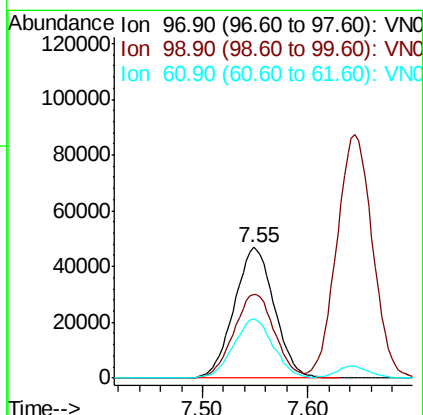
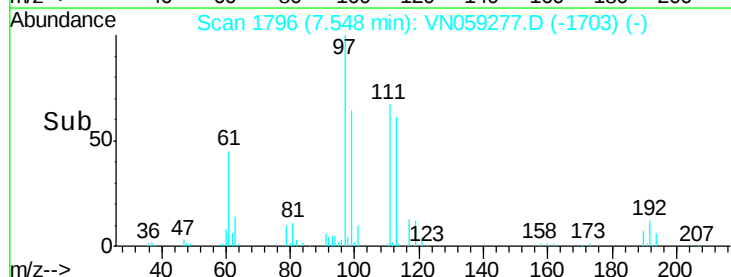
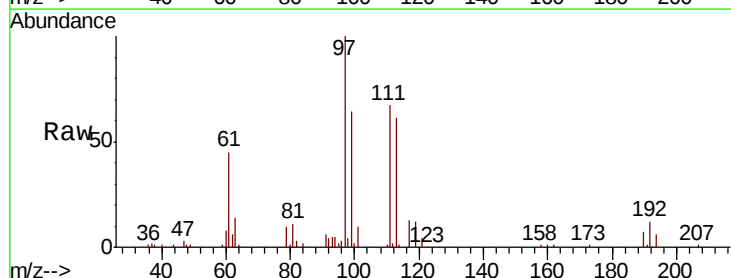
Tgt Ion: 97 Resp: 124307

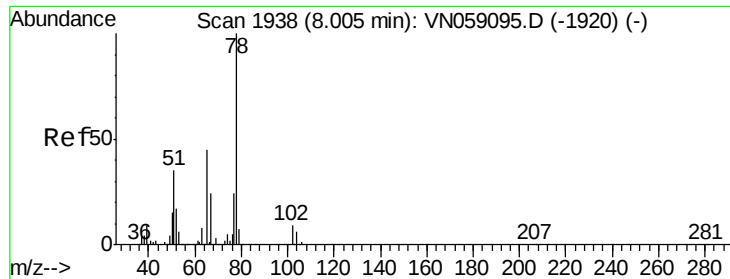
Ion Ratio Lower Upper

97 100

99 65.0 51.0 76.6

61 44.7 35.8 53.8





#33

1,2-Dichloroethane-d4

Concen: 44.552 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. 0.00 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

Instrument :

MSVOA_N

ClientSampleId :

VN1118MBS01

Tot Ion: 65 Resp: 205504

Ion Ratio Lower Upper

65 100

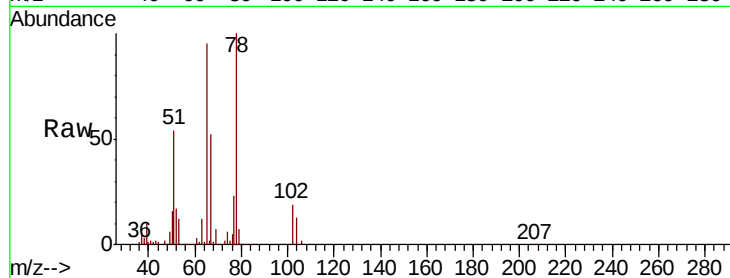
67 53.9 0.0 107.4

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Abundance Ion 64.90 (64.60 to 65.60): VN059277.D (-1845) (-)

Ion 66.90 (66.60 to 67.60): VN059277.D (-1845) (-)

8.01

100000

80000

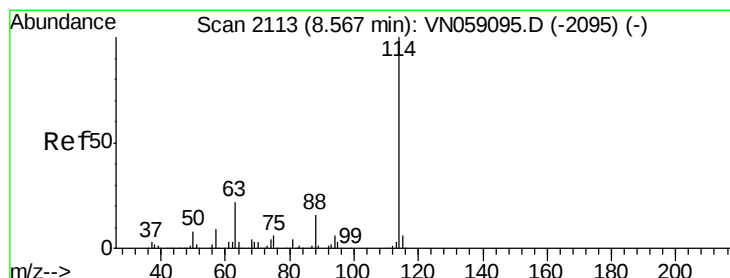
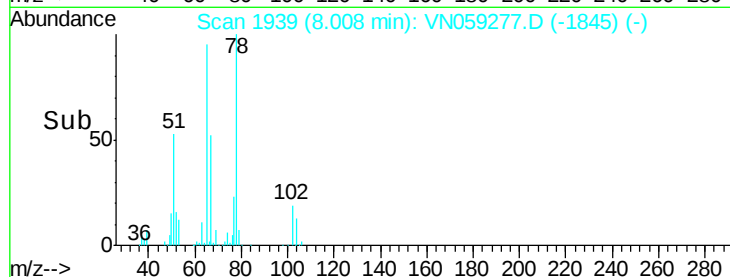
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

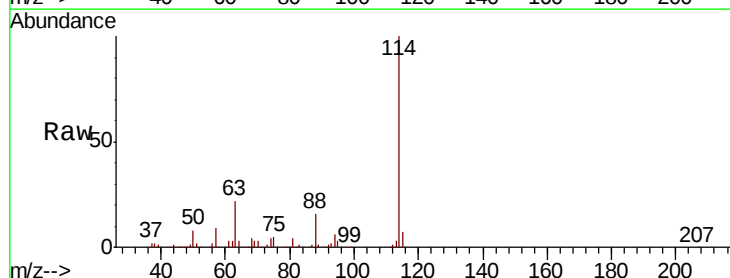
Tgt Ion: 114 Resp: 587338

Ion Ratio Lower Upper

114 100

63 21.7 0.0 43.4

88 16.0 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): VN059277.D (-2020) (-)

Ion 63.00 (62.70 to 63.70): VN059277.D (-2020) (-)

Ion 87.90 (87.60 to 88.60): VN059277.D (-2020) (-)

8.57

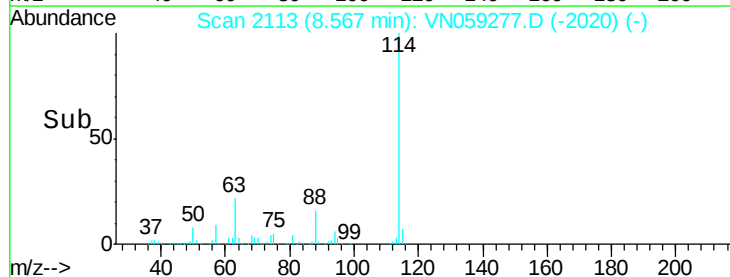
300000

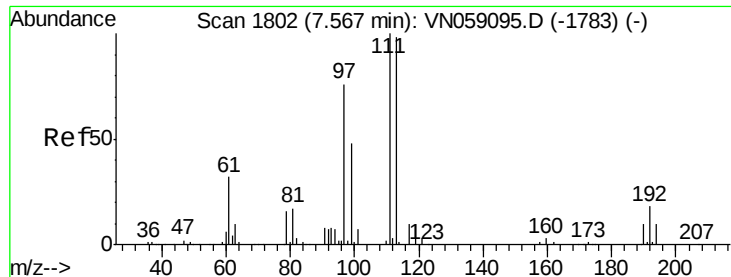
200000

100000

0

Time-->





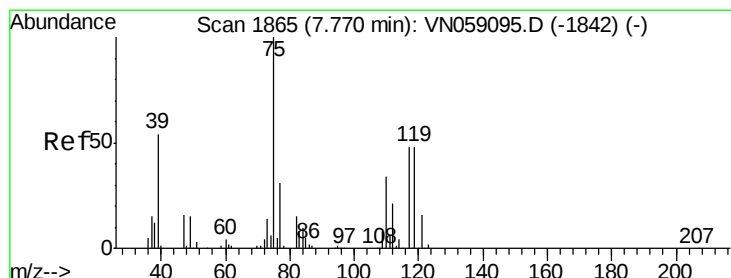
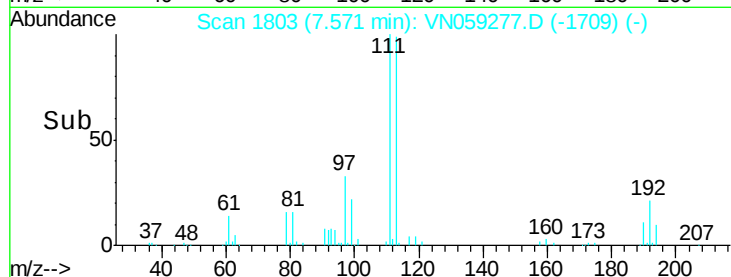
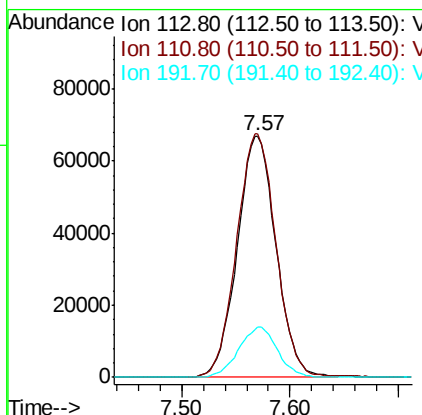
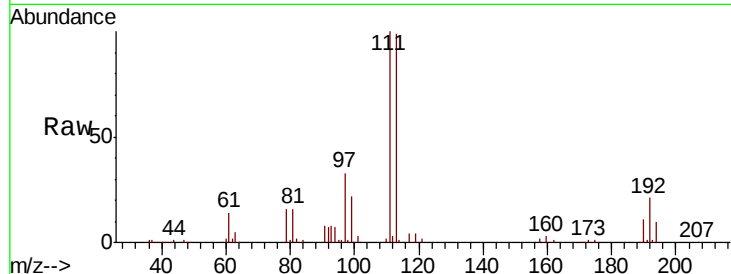
#35
Dibromofluoromethane
Concen: 47.670 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN059277.D
Acq: 18 Nov 2019 12:48

Instrument :
MSVOA_N
ClientSampleId :
VN1118MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	167179		
111	101.9	82.8	124.2	
192	20.8	16.1	24.1	

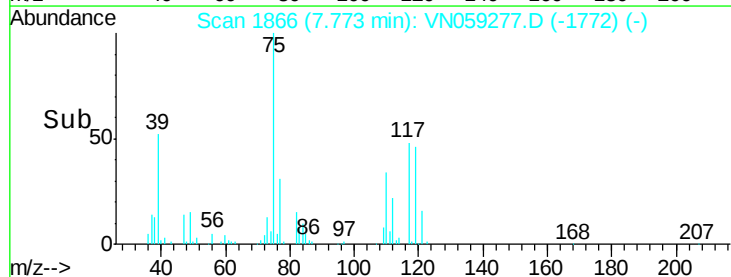
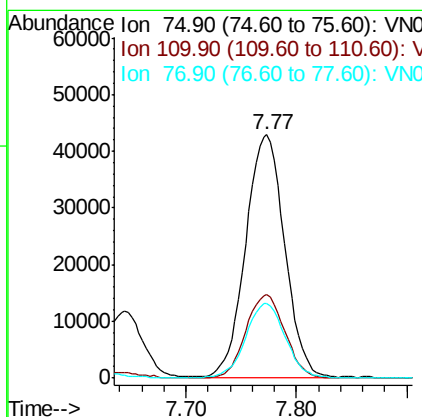
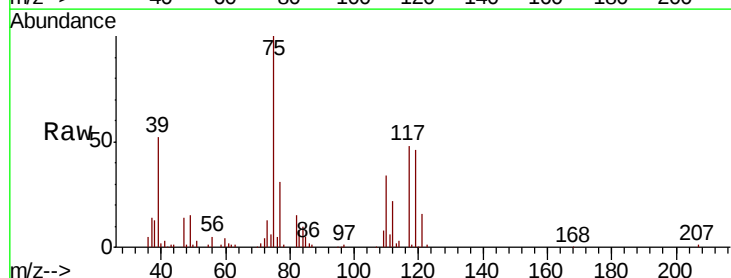
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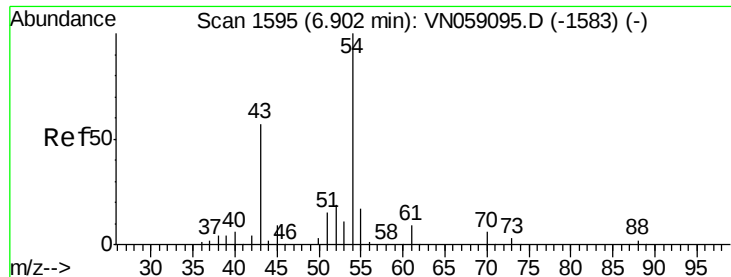
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#36
1,1-Dichloropropene
Concen: 19.127 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN059277.D
Acq: 18 Nov 2019 12:48

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	105008		
110	34.3	17.1	51.2	
77	31.3	24.8	37.2	





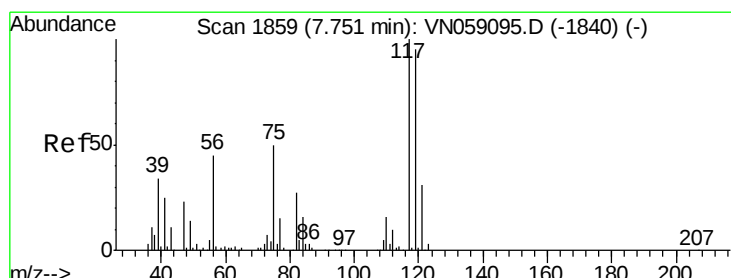
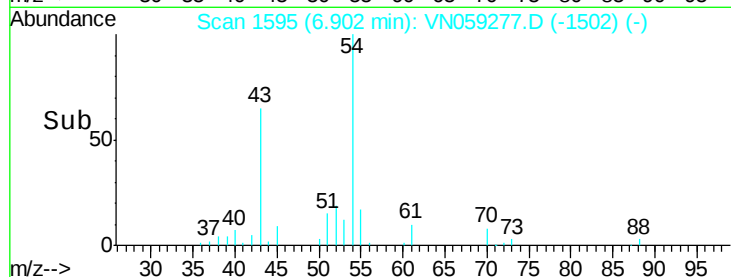
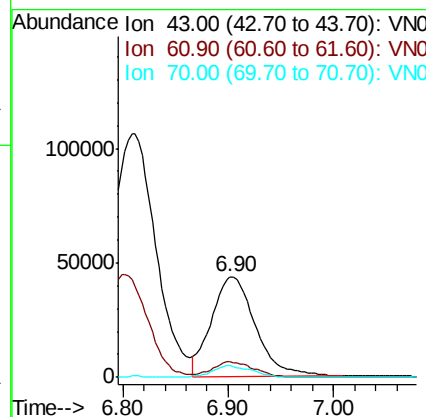
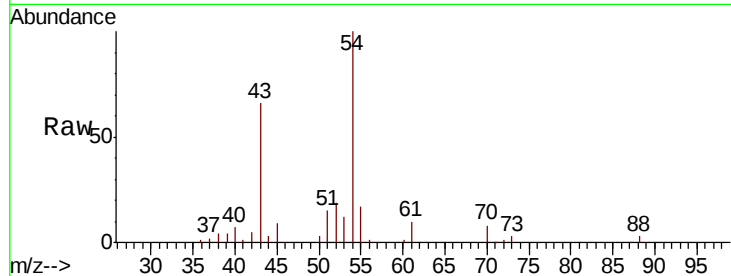
#37
Ethyl Acetate
Concen: 20.533 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VN059277.D
Acq: 18 Nov 2019 12:48

Instrument :
MSVOA_N
ClientSampleId :
VN1118MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.2	16.8
70	10.6	7.8	11.8

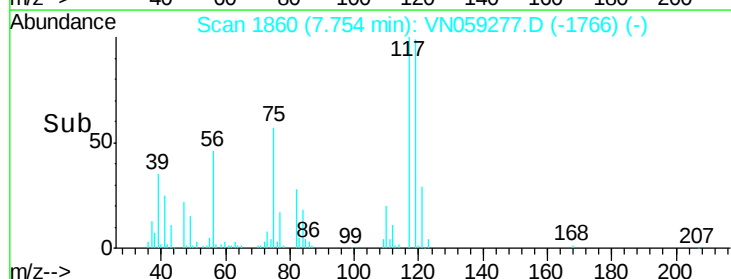
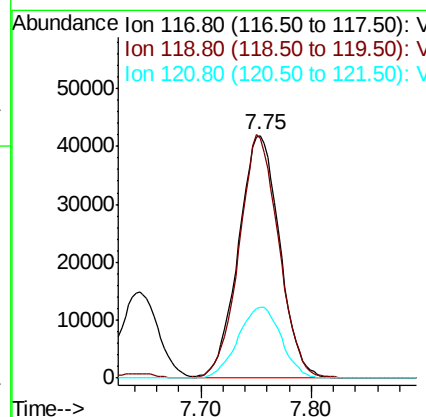
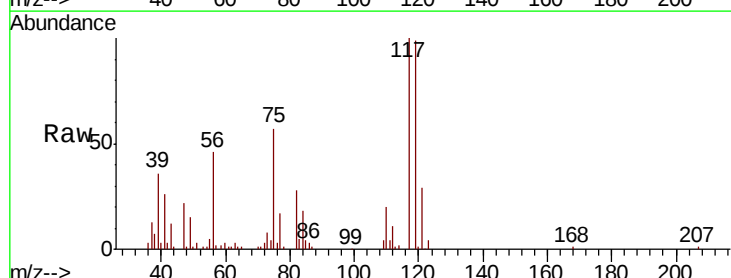
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#38
Carbon Tetrachloride
Concen: 19.807 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059277.D
Acq: 18 Nov 2019 12:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.9	75.6	113.4
121	29.4	24.6	36.8





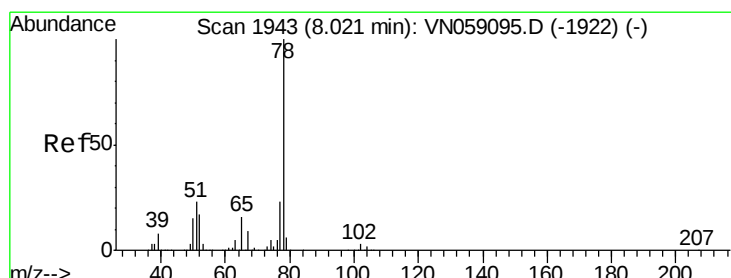
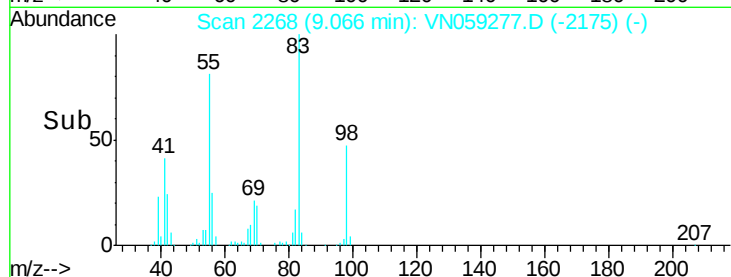
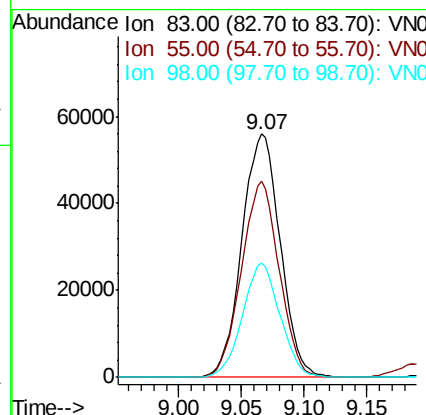
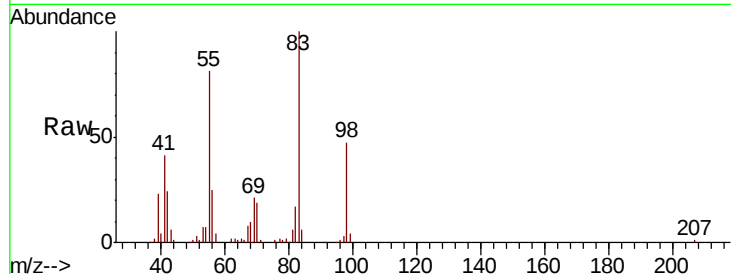
#39
Methvlcvclohexane
Concen: 18.668 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059277.D
Acq: 18 Nov 2019 12:48

Instrument :
MSVOA_N
ClientSampleId :
VN1118MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.6	63.9	95.9
98	46.9	35.6	53.4

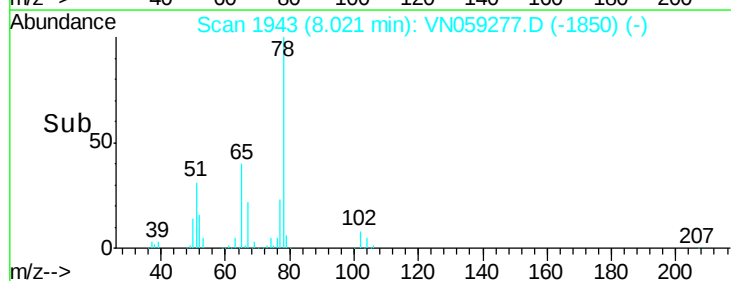
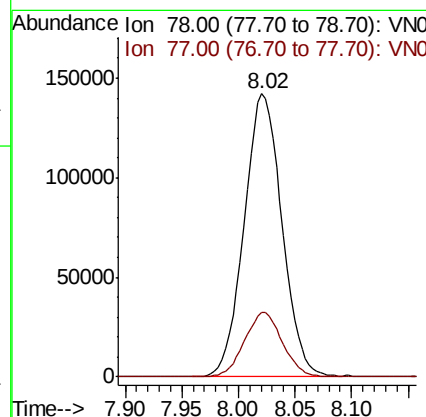
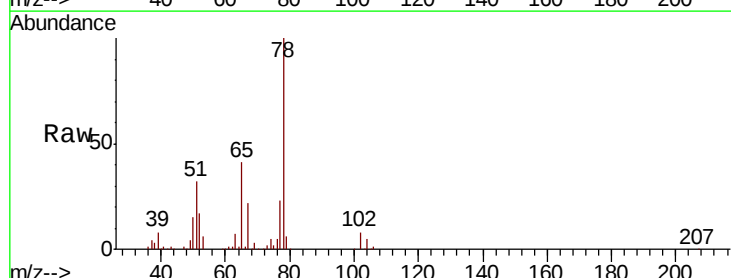
Manual Integrations
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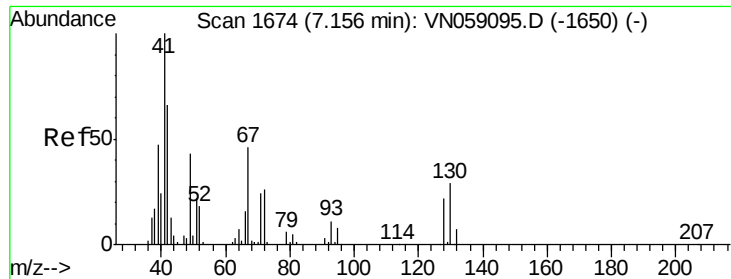
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#40
Benzene
Concen: 20.039 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059277.D
Acq: 18 Nov 2019 12:48

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.8	18.8	28.2





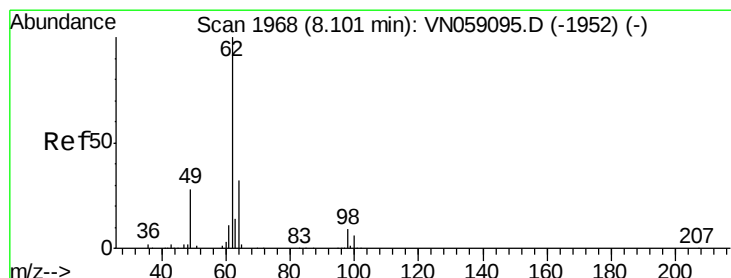
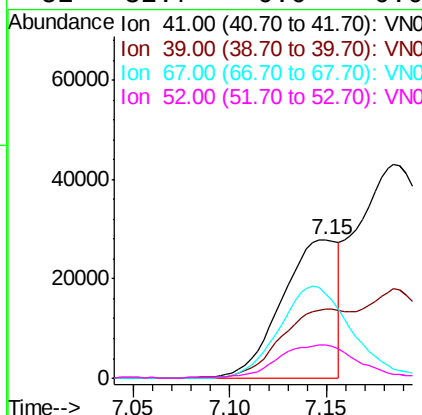
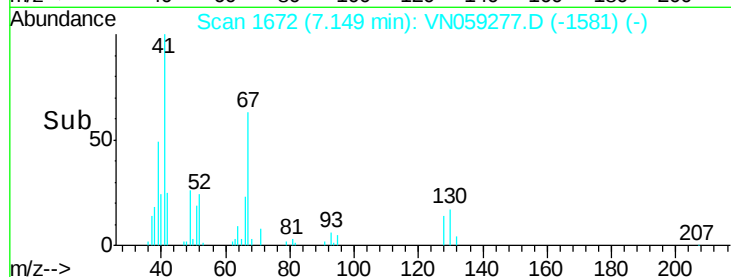
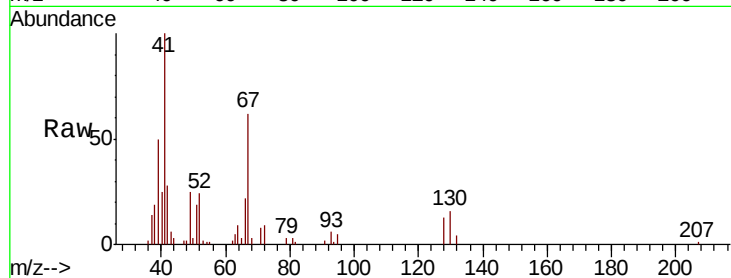
#41
Methacrylonitrile
Concen: 21.212 ug/l
RT: 7.15 min Scan# 1672
Delta R.T. -0.01 min
Lab File: VN059277.D
Acq: 18 Nov 2019 12:48

Instrument :
MSVOA_N
ClientSampleId :
VN1118MBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	60.1	0.0	0.0#
67	86.9	0.0	0.0#
52	32.7	0.0	0.0#

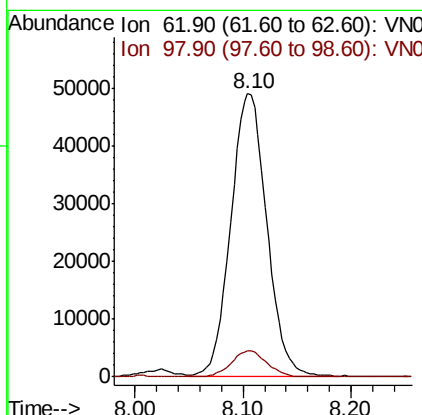
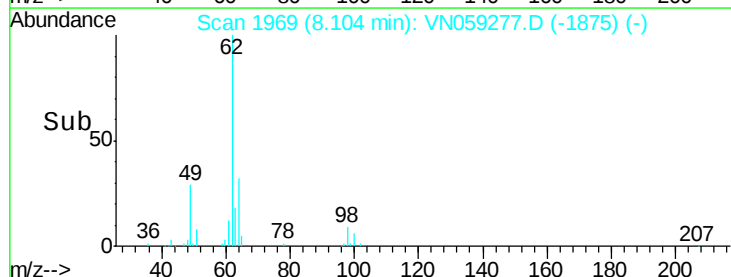
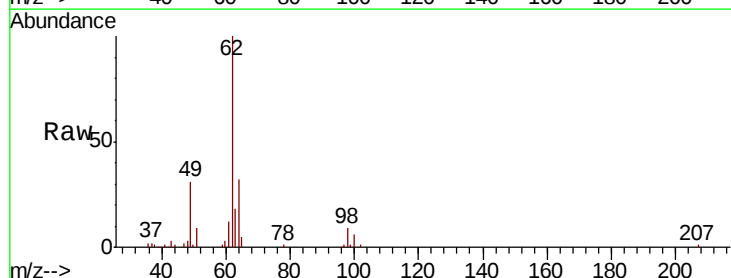
Manual Integrations
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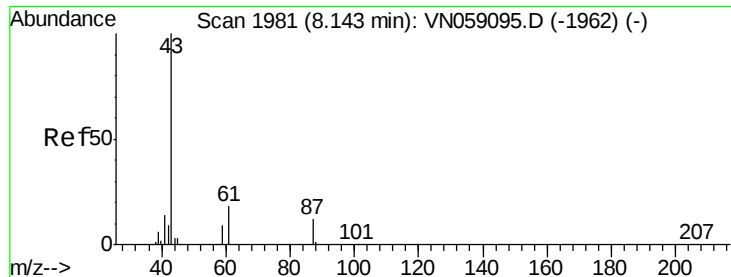
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11/19/2019 11:01:48 AM



#42
1,2-Dichloroethane
Concen: 20.064 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059277.D
Acq: 18 Nov 2019 12:48

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	17.8





#43

Isopropyl Acetate

Concen: 19.963 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

Instrument :

MSVOA_N

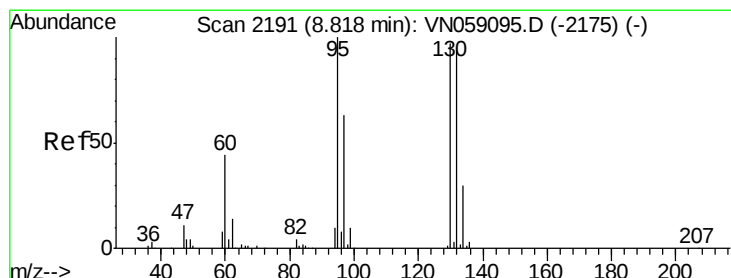
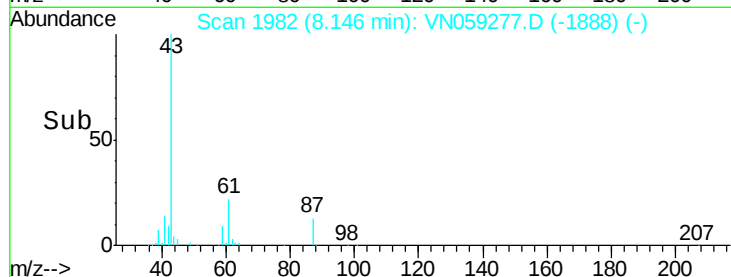
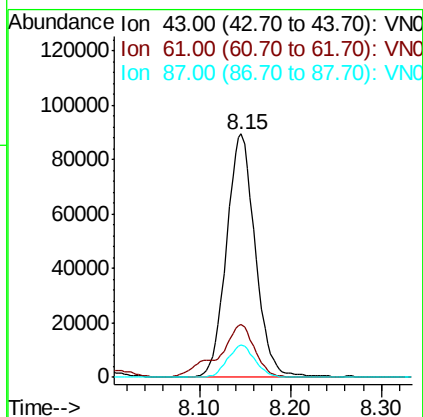
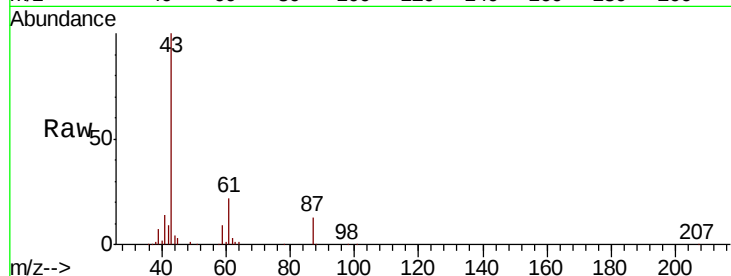
ClientSampleId :

VN1118MBS01

Tot Ion:	43	Resp:	194376
Ion	Ratio	Lower	Upper
43	100		
61	26.9	21.0	31.6
87	13.0	9.8	14.6

Manual Integrations
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MMDADODA
11/19/2019 11:01:48 AM



#44

Trichloroethene

Concen: 20.197 ug/l

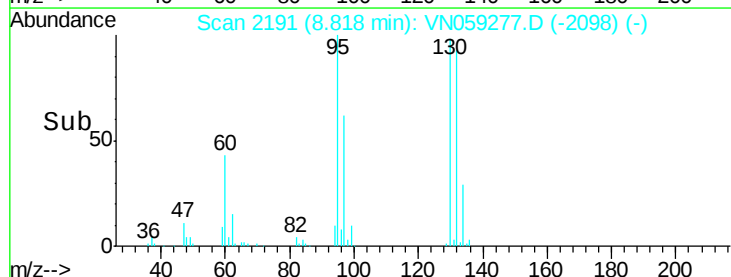
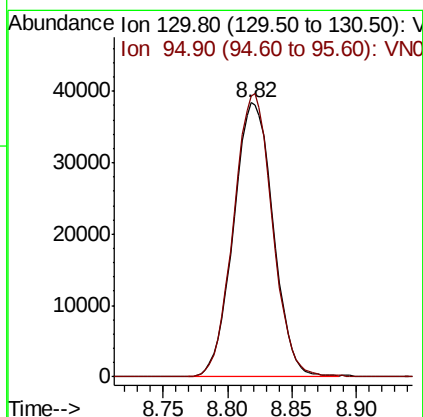
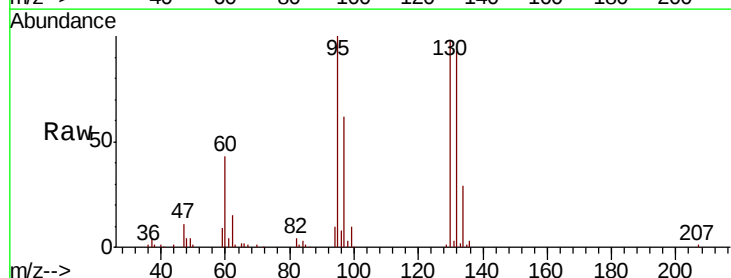
RT: 8.82 min Scan# 2191

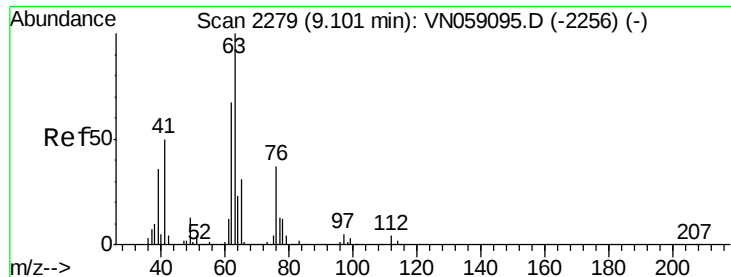
Delta R.T. -0.00 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

Tgt Ion:	130	Resp:	82077
Ion	Ratio	Lower	Upper
130	100		
95	102.5	0.0	206.4





#45

1,2-Dichloropropane

Concen: 20.326 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. 0.00 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

Instrument :

MSVOA_N

ClientSampleId :

VN1118MBS01

Tot Ion: 63 Resp: 91272

Ion Ratio Lower Upper

63 100

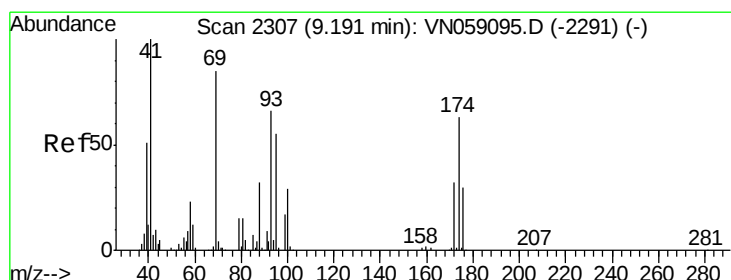
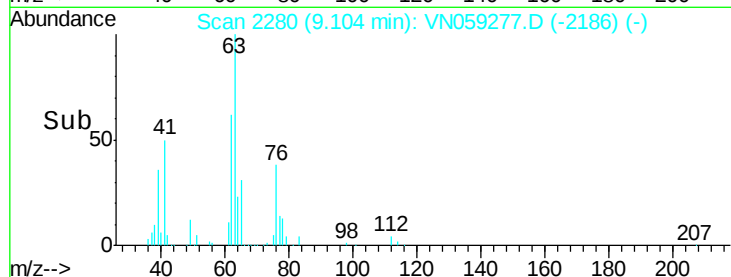
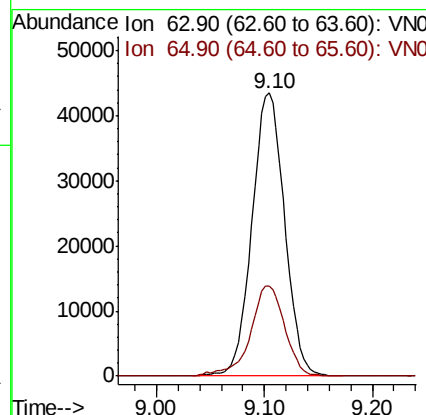
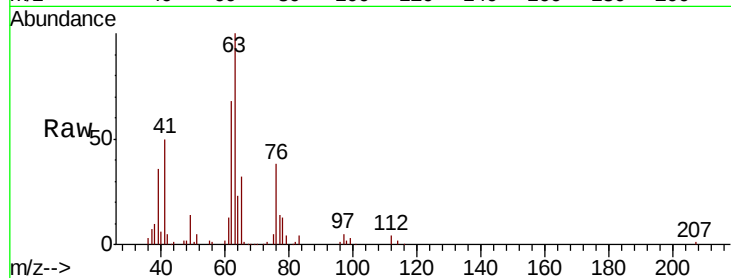
65 31.9 24.6 37.0

Manual Integrations

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#46

Dibromomethane

Concen: 20.338 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

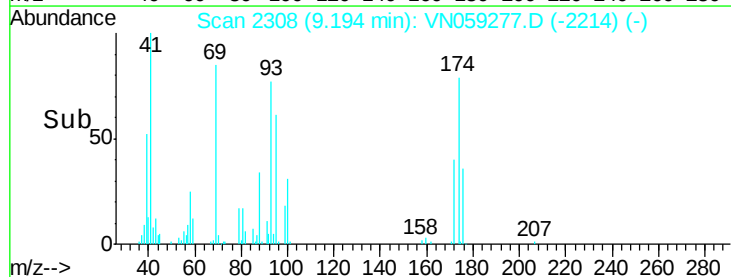
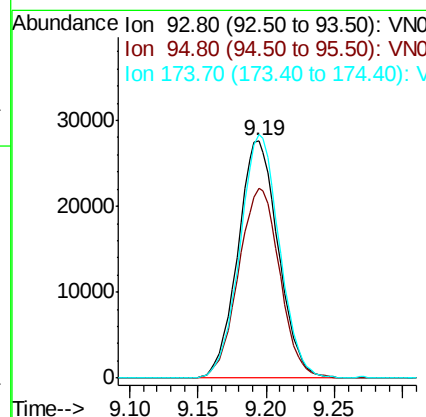
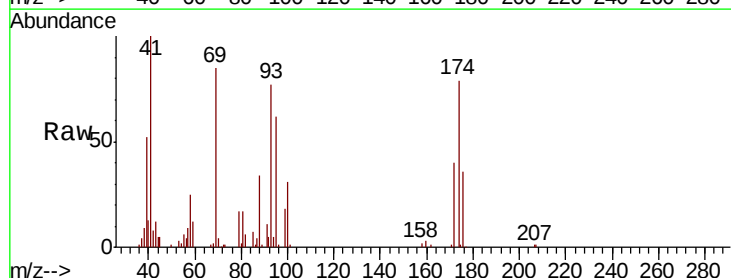
Tgt Ion: 93 Resp: 56909

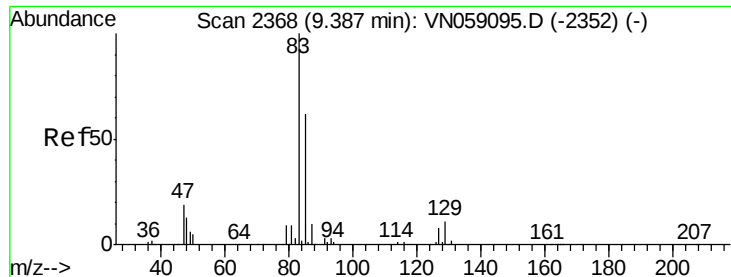
Ion Ratio Lower Upper

93 100

95 81.4 66.6 100.0

174 100.2 78.2 117.2





#47

Bromodichloromethane

Concen: 20.976 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

Instrument :

MSVOA_N

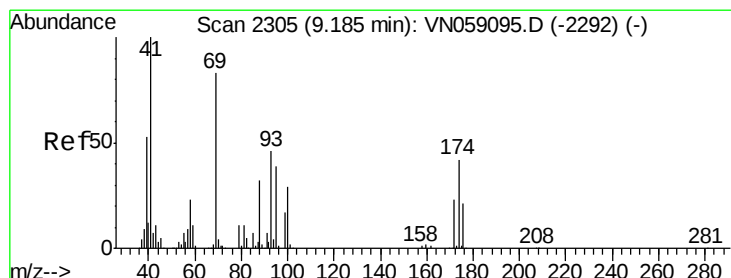
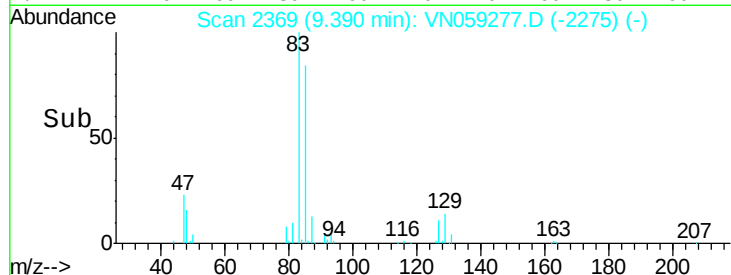
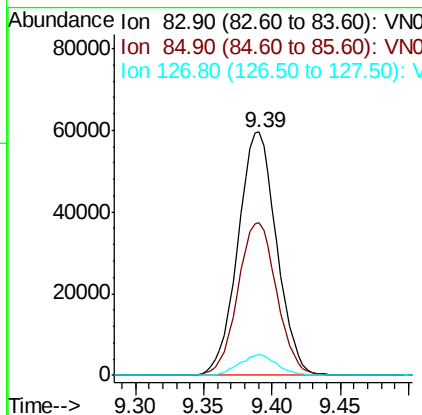
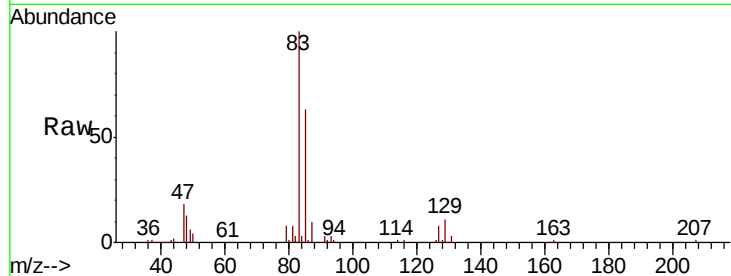
ClientSampleId :

VN1118MBS01

Tot Ion:	83	Resp:	117205
Ion Ratio	Lower	Upper	
83	100		
85	62.8	49.7	74.5
127	8.5	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.566 ug/l

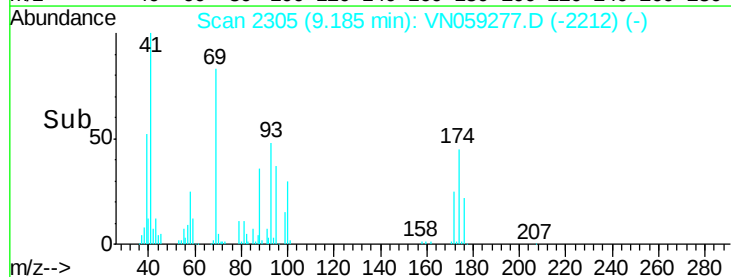
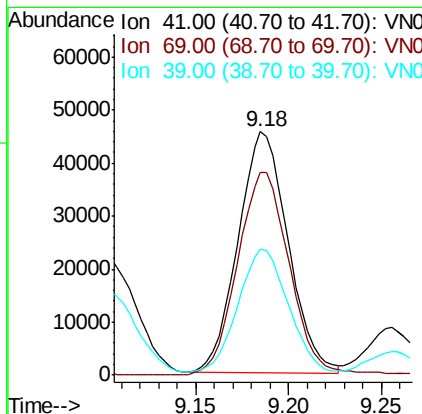
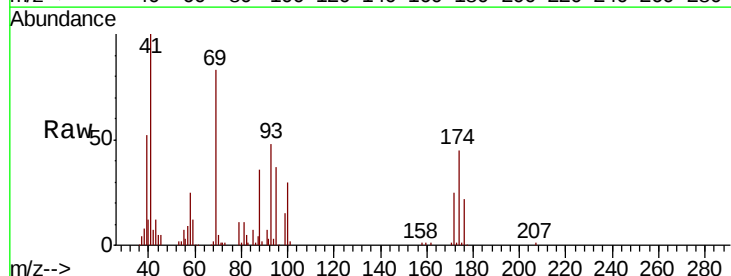
RT: 9.18 min Scan# 2305

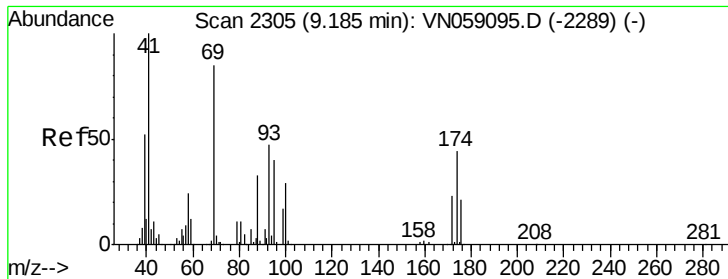
Delta R.T. -0.00 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

Tgt Ion:	41	Resp:	85213
Ion Ratio	Lower	Upper	
41	100		
69	87.9	67.3	100.9
39	53.0	43.3	64.9





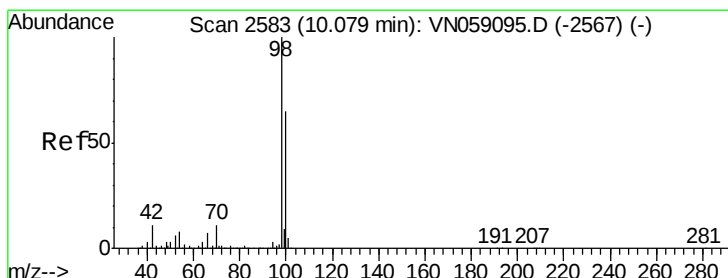
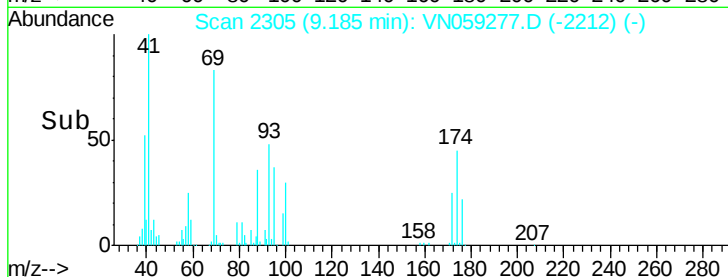
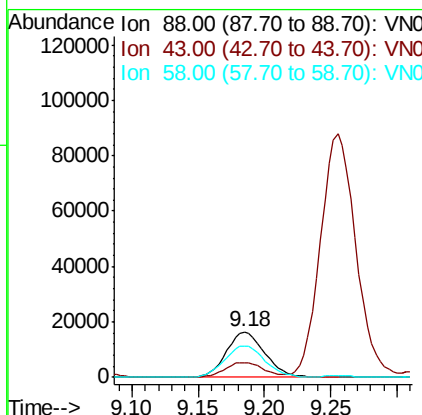
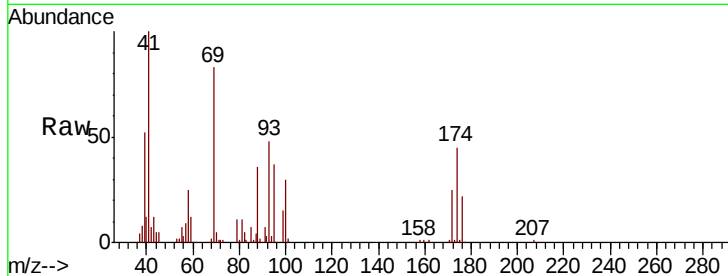
#49
1,4-Dioxane
Concen: 428.694 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059277.D
Acq: 18 Nov 2019 12:48

Instrument :
MSVOA_N
ClientSampleId :
VN1118MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.5	26.3	39.5
58	72.2	60.6	90.8

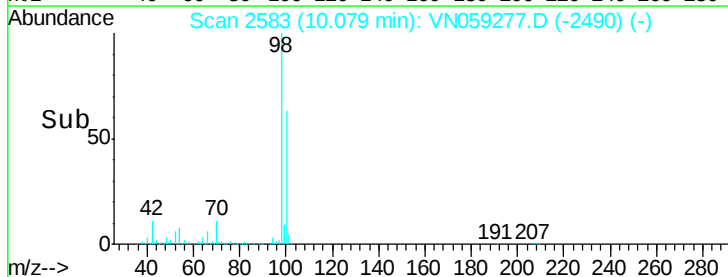
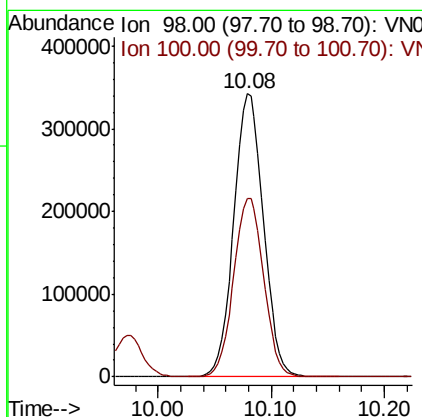
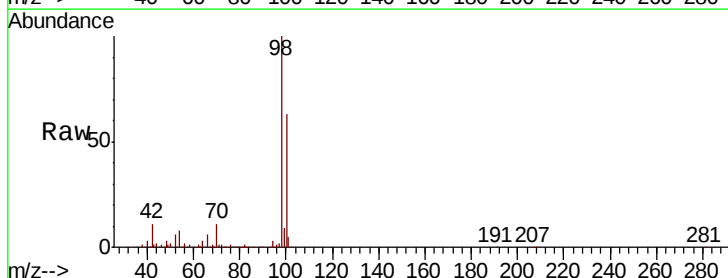
Manual Integrations
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#50
Toluene-d8
Concen: 45.334 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059277.D
Acq: 18 Nov 2019 12:48

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	52.2	78.2





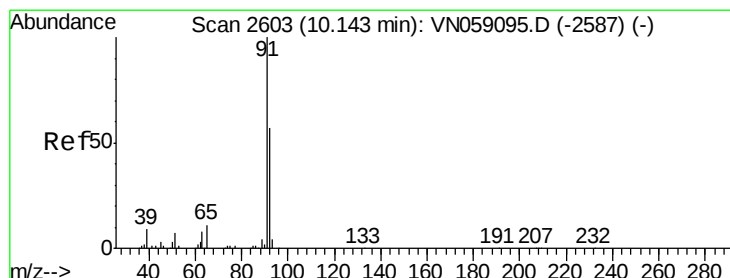
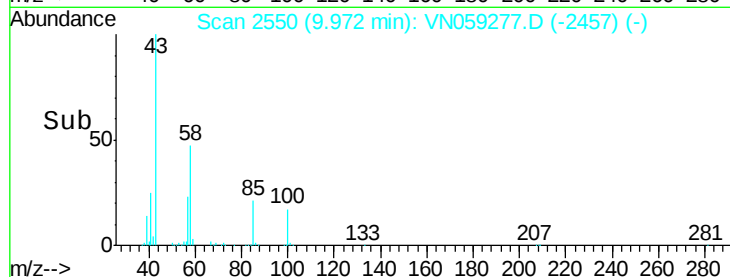
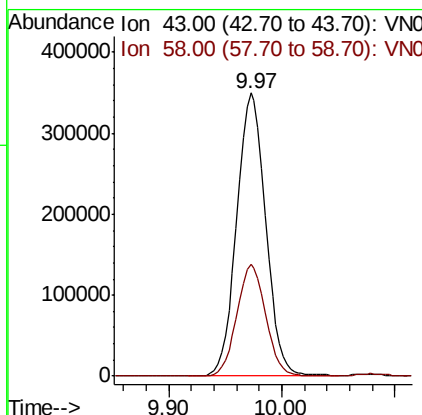
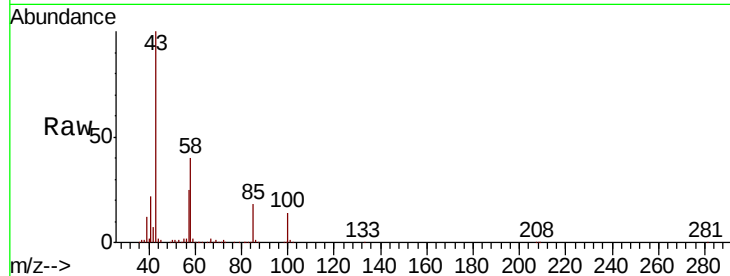
#51
4-Methyl-2-Pentanone
Concen: 113.630 ug/l
RT: 9.97 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VN059277.D
Acq: 18 Nov 2019 12:48

Instrument :
MSVOA_N
ClientSampleId :
VN1118MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.1	31.5	47.3

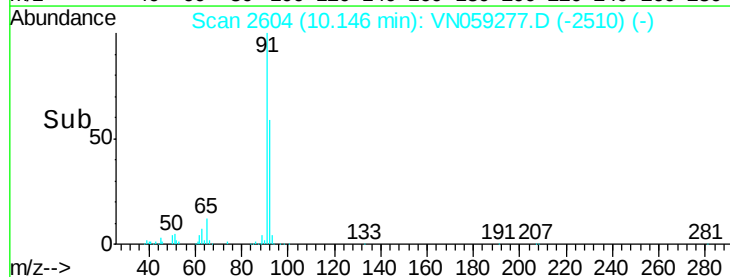
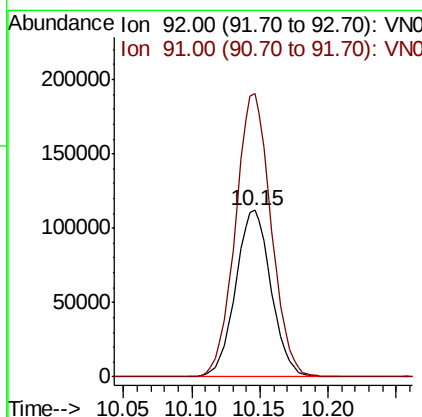
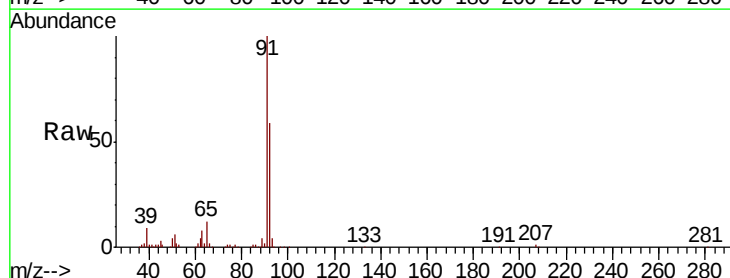
Manual Integrations
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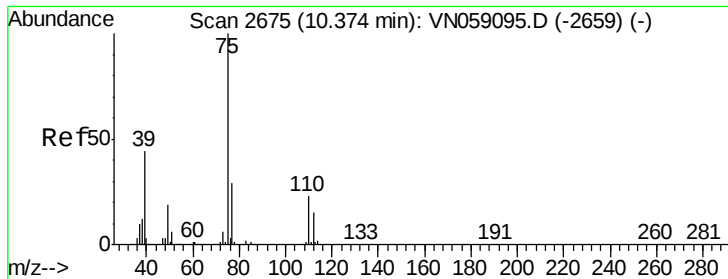
MMDADODA
11/19/2019 11:01:48 AM



#52
Toluene
Concen: 20.348 ug/l
RT: 10.15 min Scan# 2604
Delta R.T. 0.00 min
Lab File: VN059277.D
Acq: 18 Nov 2019 12:48

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.5	139.5	209.3





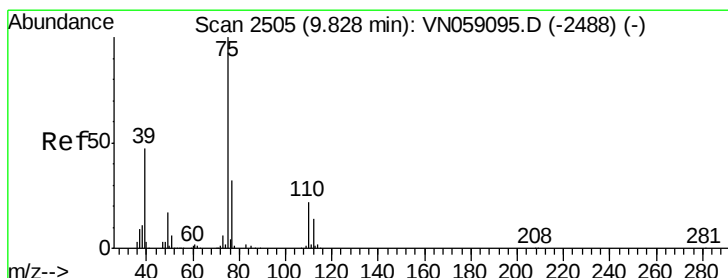
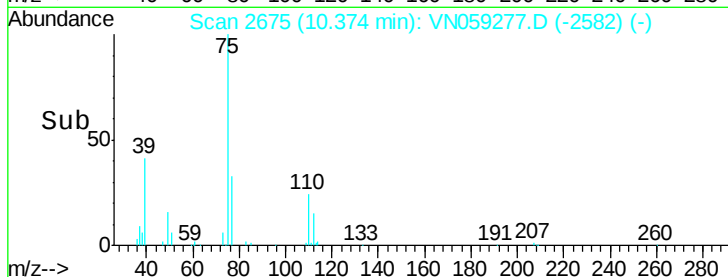
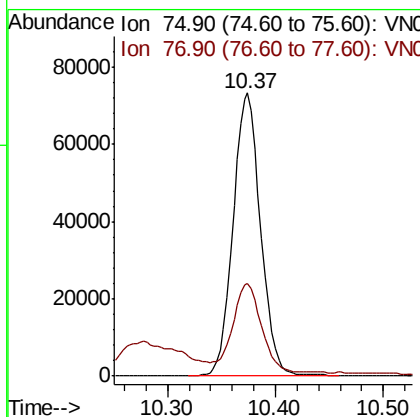
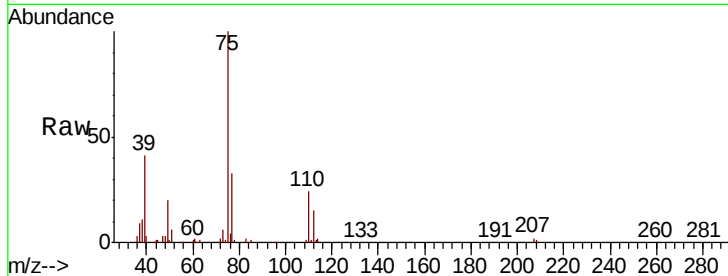
#53
t-1,3-Dichloropropene
Concen: 20.206 ug/l
RT: 10.37 min Scan# 2675
Delta R.T. -0.00 min
Lab File: VN059277.D
Acq: 18 Nov 2019 12:48

Instrument :
MSVOA_N
ClientSampleId :
VN1118MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.3	37.9

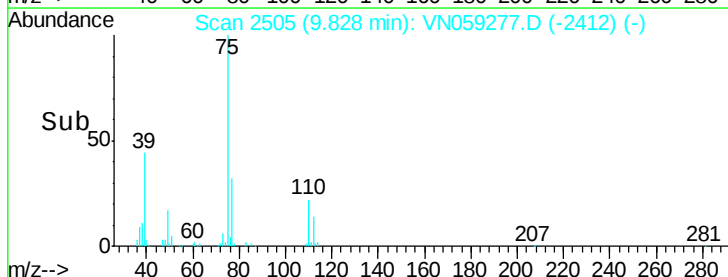
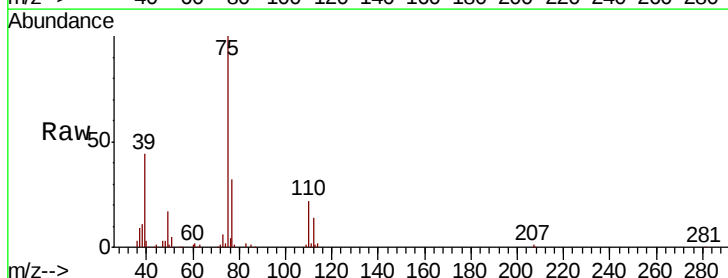
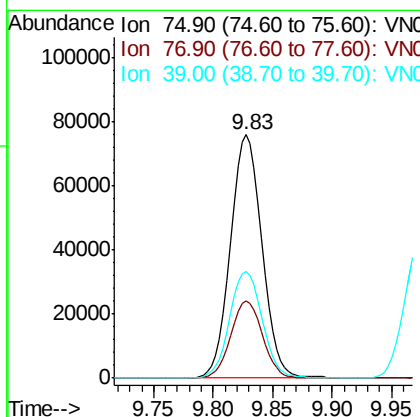
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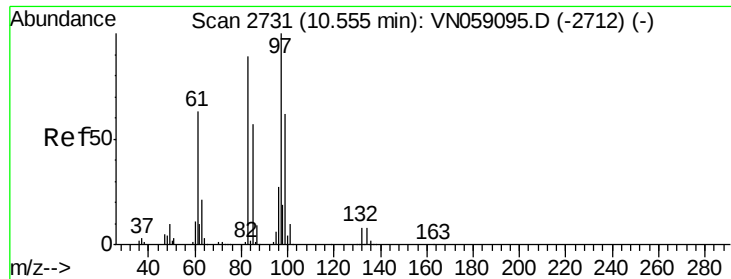
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11/19/2019 11:01:48 AM



#54
cis-1,3-Dichloropropene
Concen: 20.133 ug/l
RT: 9.83 min Scan# 2505
Delta R.T. -0.00 min
Lab File: VN059277.D
Acq: 18 Nov 2019 12:48

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.5	38.3
39	43.8	37.3	55.9





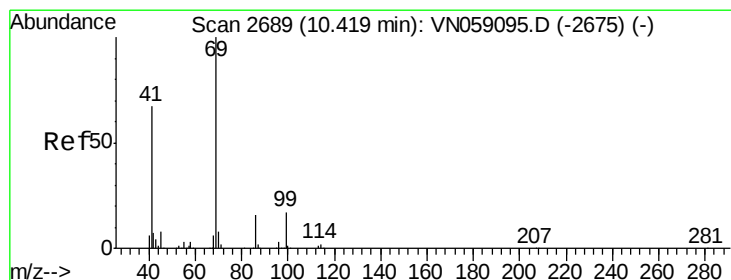
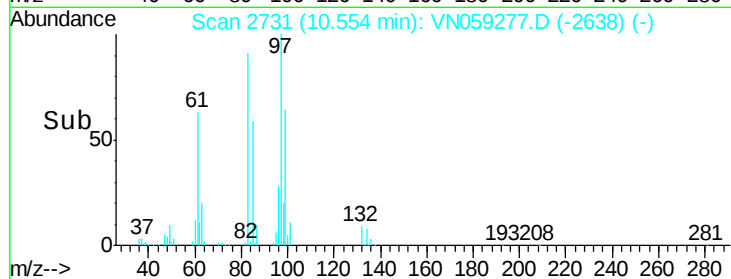
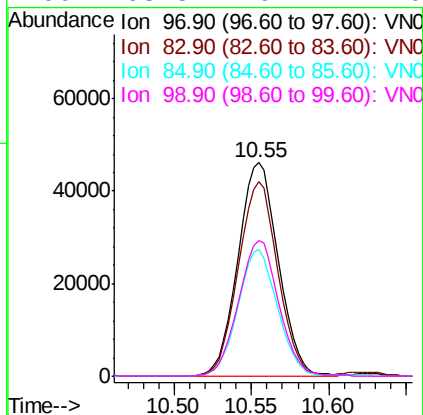
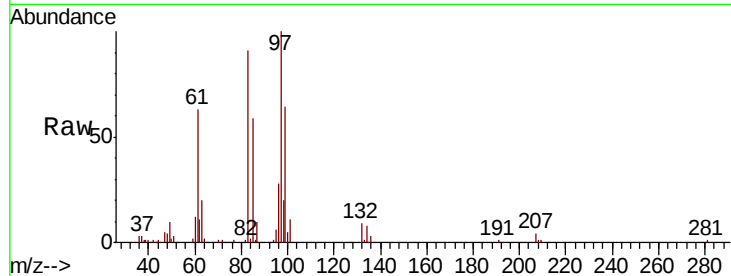
#55
 1,1,2-Trichloroethane
 Concen: 20.878 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN059277.D
 Acq: 18 Nov 2019 12:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1118MBS01

Tot Ion:	97	Resp:	83725
Ion	Ratio	Lower	Upper
97	100		
83	91.0	71.0	106.4
85	59.2	45.8	68.8
99	63.8	49.4	74.0

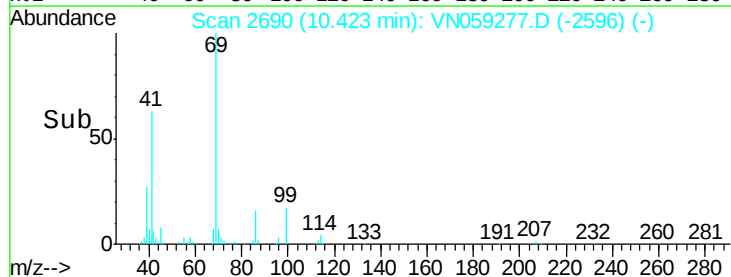
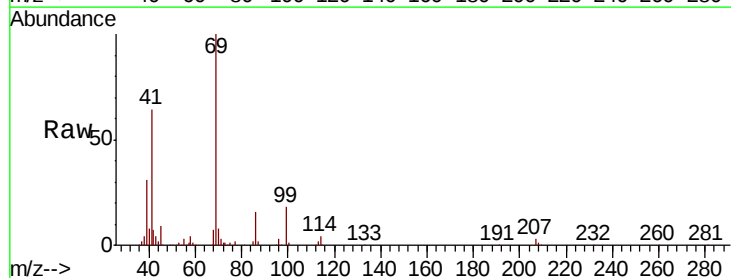
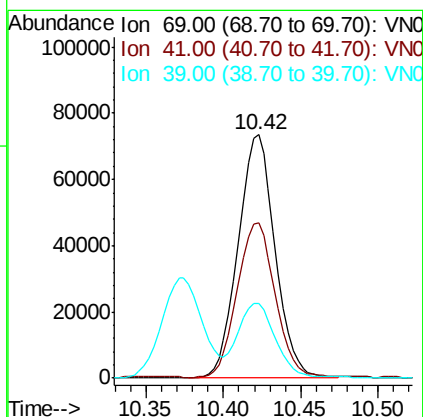
Manual Integrations
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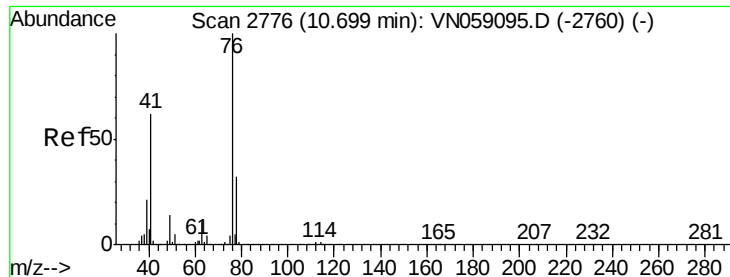
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#56
 Ethyl methacrylate
 Concen: 19.461 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059277.D
 Acq: 18 Nov 2019 12:48

Tgt Ion:	69	Resp:	122217
Ion	Ratio	Lower	Upper
69	100		
41	65.0	53.6	80.4
39	31.0	26.2	39.4





#57

1,3-Dichloropropane

Concen: 20.447 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

Instrument :

MSVOA_N

ClientSampleId :

VN1118MBS01

Tot Ion: 76 Resp: 141121

Ion Ratio Lower Upper

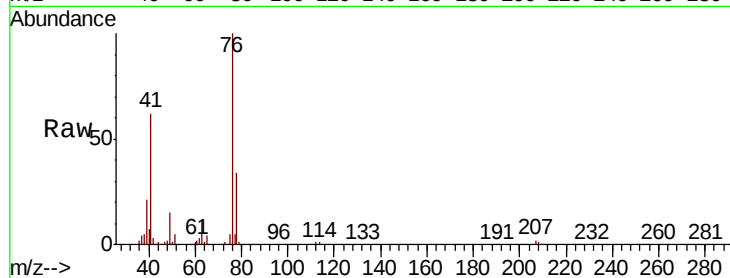
76 100

78 32.8 25.8 38.8

Manual Integrations
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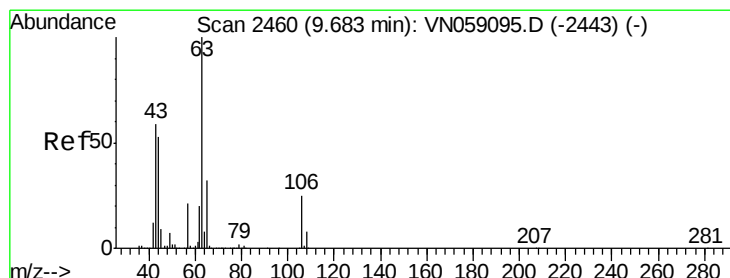
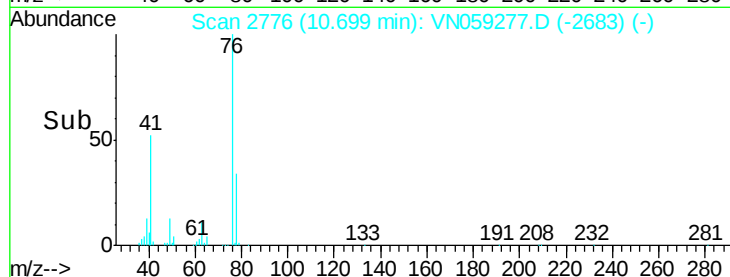
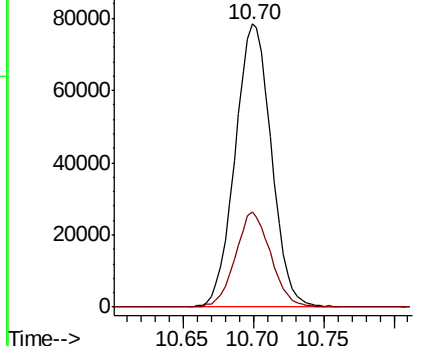
MMDADODA

11/19/2019 11:01:48 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 98.883 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059277.D

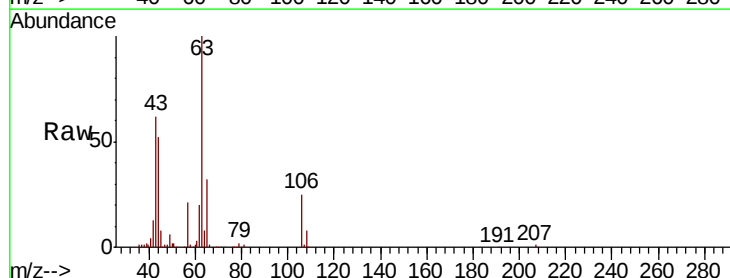
Acq: 18 Nov 2019 12:48

Tgt Ion: 63 Resp: 220684

Ion Ratio Lower Upper

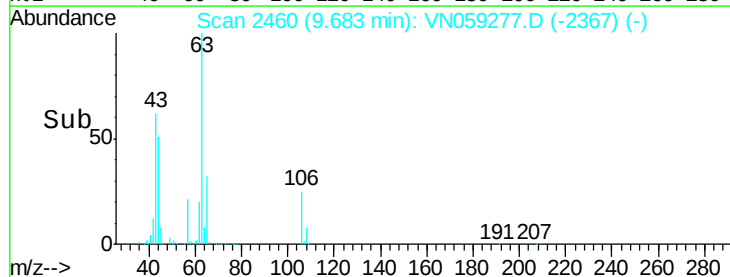
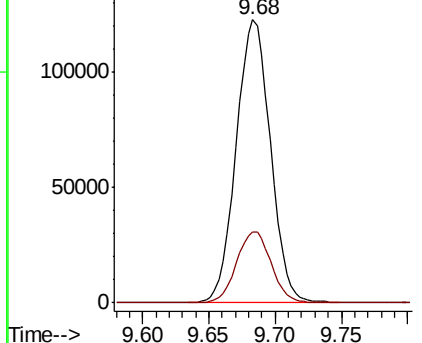
63 100

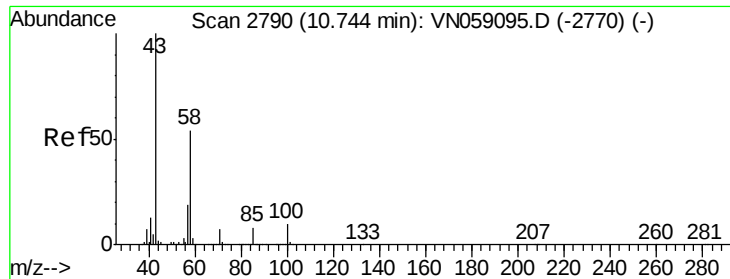
106 25.5 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





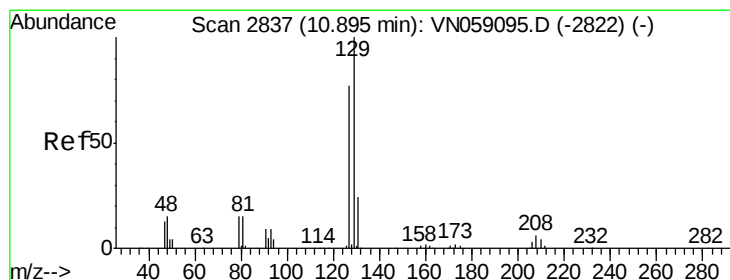
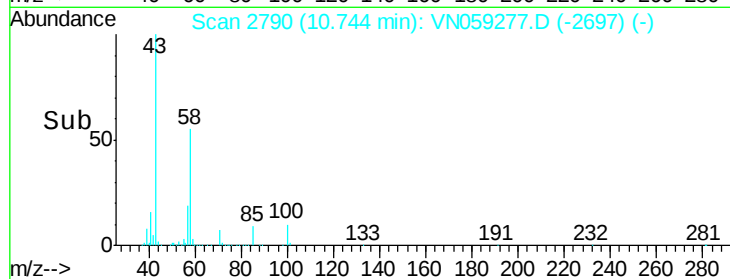
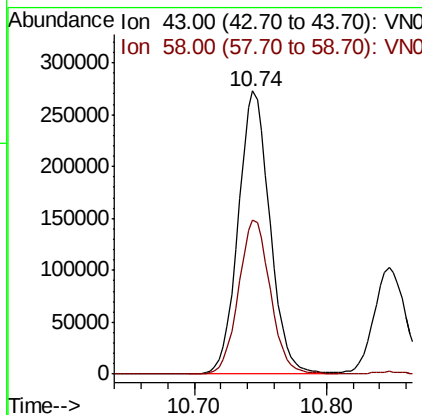
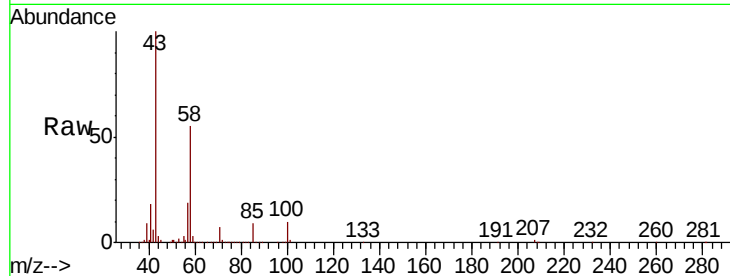
#59
2-Hexanone
Concen: 106.352 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059277.D
Acq: 18 Nov 2019 12:48

Instrument :
MSVOA_N
ClientSampleId :
VN1118MBS01

Tot Ion: 43 Resp: 449719
Ion Ratio Lower Upper
43 100
58 55.1 27.3 81.8

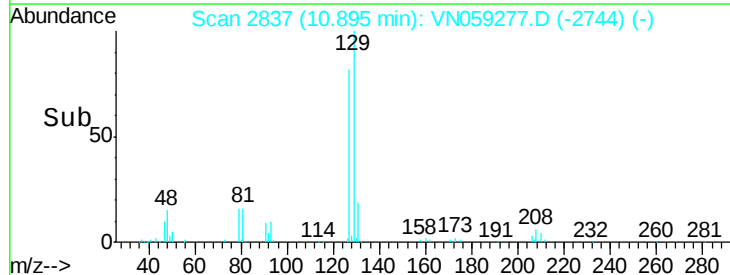
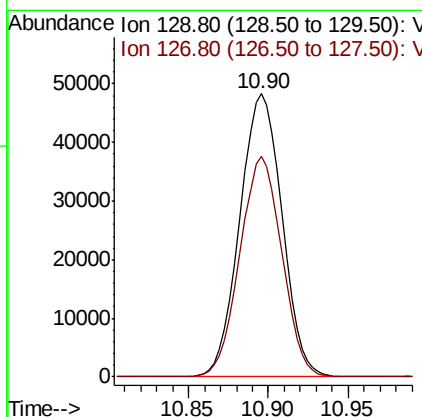
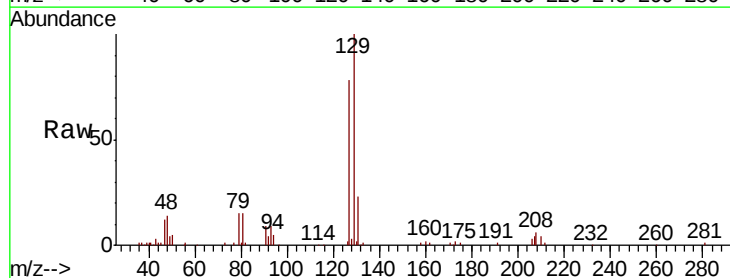
Manual Integrations
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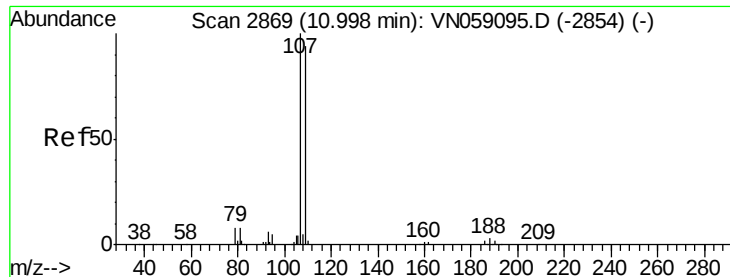
MMDADODA
11/19/2019 11:01:48 AM



#60
Dibromochloromethane
Concen: 20.634 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059277.D
Acq: 18 Nov 2019 12:48

Tgt Ion: 129 Resp: 87488
Ion Ratio Lower Upper
129 100
127 77.2 38.6 115.8





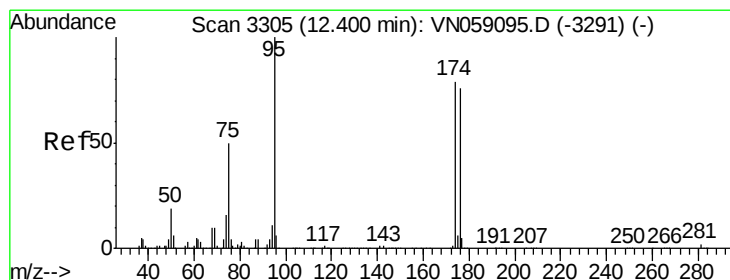
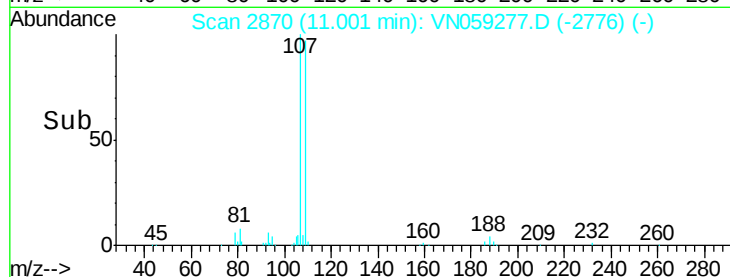
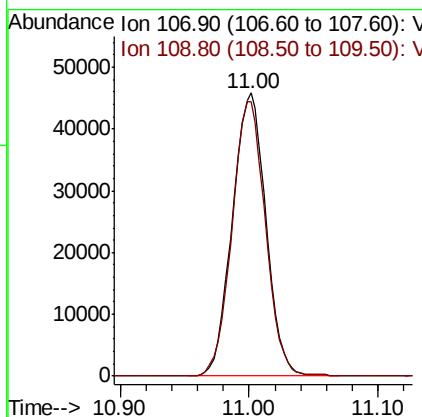
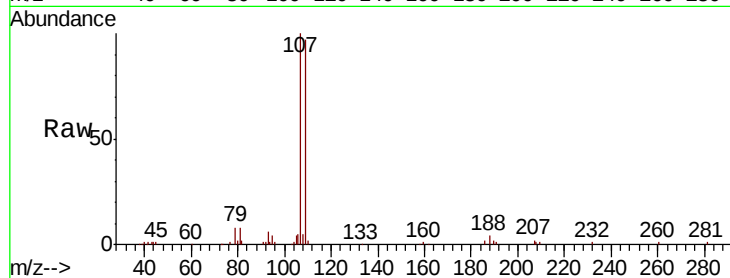
#61
 1,2-Dibromoethane
 Concen: 20.411 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059277.D
 Acq: 18 Nov 2019 12:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1118MBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.3	75.5	113.3

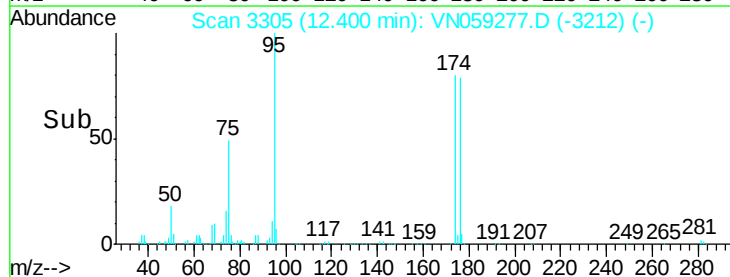
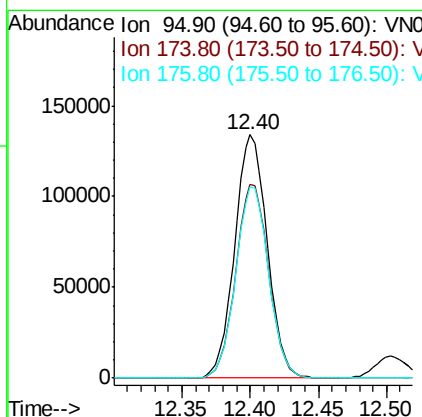
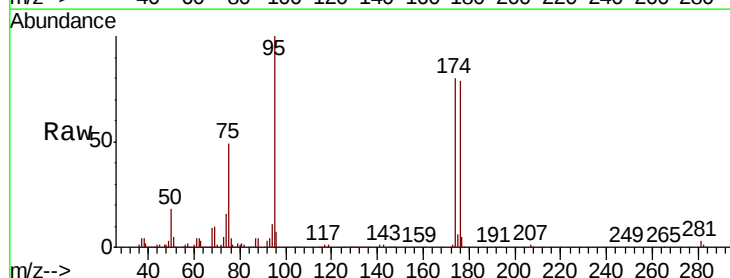
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#62
 4-Bromofluorobenzene
 Concen: 44.602 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN059277.D
 Acq: 18 Nov 2019 12:48

Tgt Ion	Ratio	Lower	Upper
95	100		
174	80.4	0.0	158.2
176	79.3	0.0	151.8





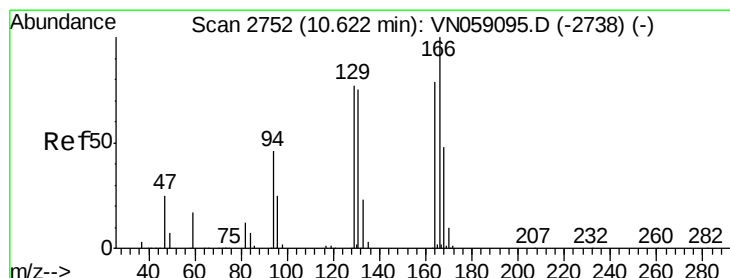
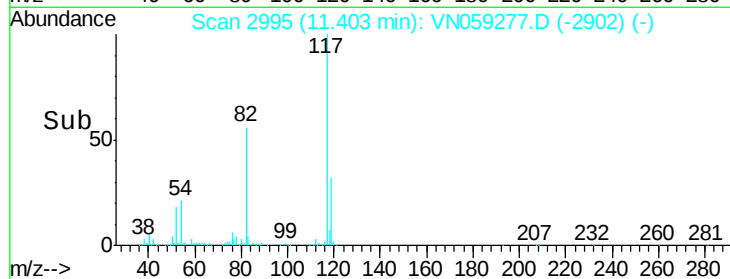
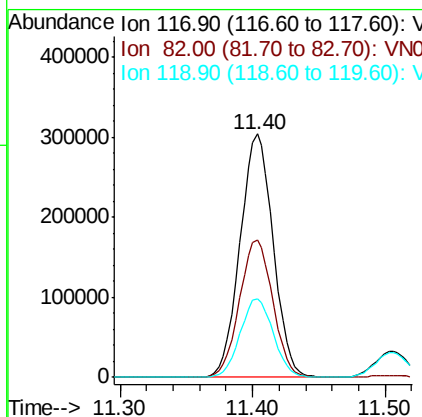
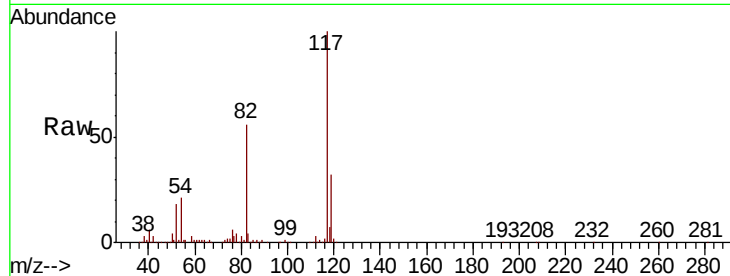
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059277.D
Acq: 18 Nov 2019 12:48

Instrument :
MSVOA_N
ClientSampleId :
VN1118MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.3	45.8	68.8
119	32.4	25.8	38.6

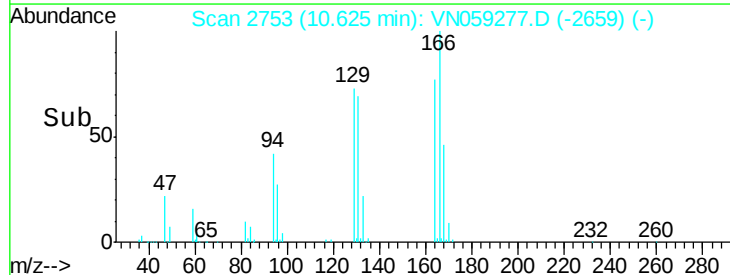
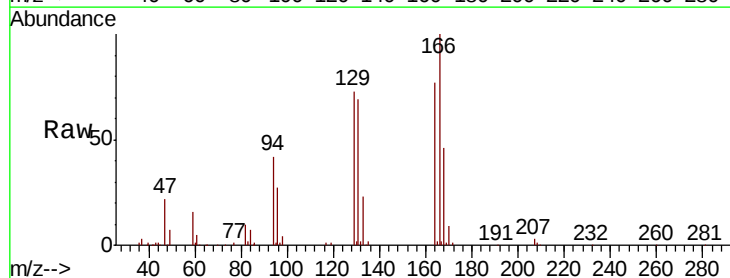
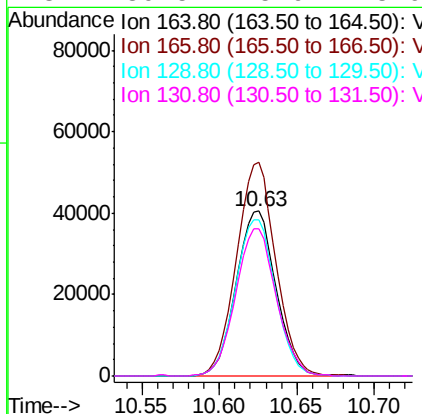
Manual Integrations
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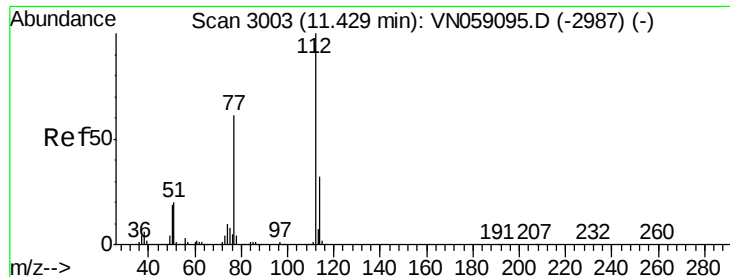
MMDADODA
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#64
Tetrachloroethene
Concen: 20.232 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN059277.D
Acq: 18 Nov 2019 12:48

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.6	101.5	152.3
129	94.4	78.3	117.5
131	89.5	75.9	113.9





#65

Chlorobenzene

Concen: 20.850 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

Instrument :

MSVOA_N

ClientSampleId :

VN1118MBS01

Tot Ion:112 Resp: 214030

Ion Ratio Lower Upper

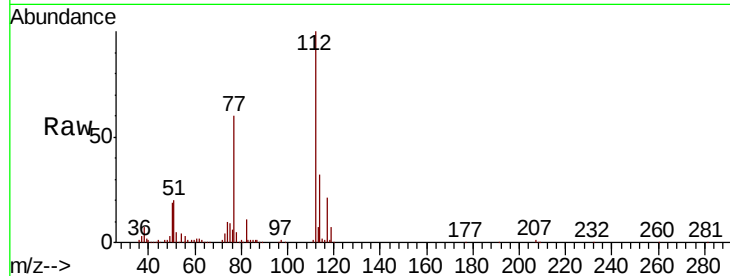
112 100

114 31.7 25.2 37.8

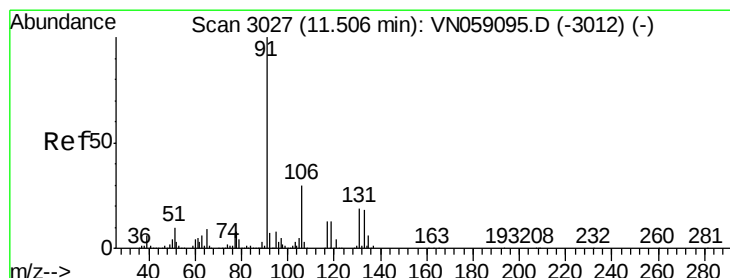
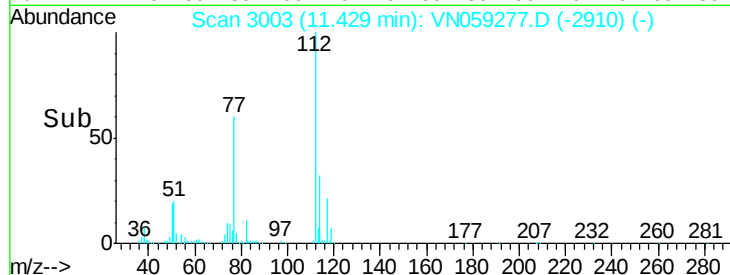
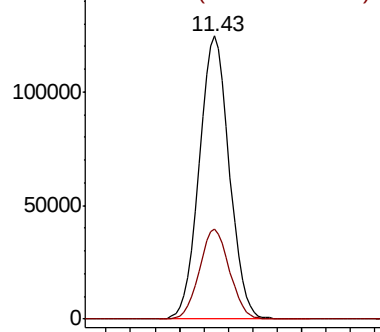
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Abundance Ion 111.90 (111.60 to 112.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.201 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

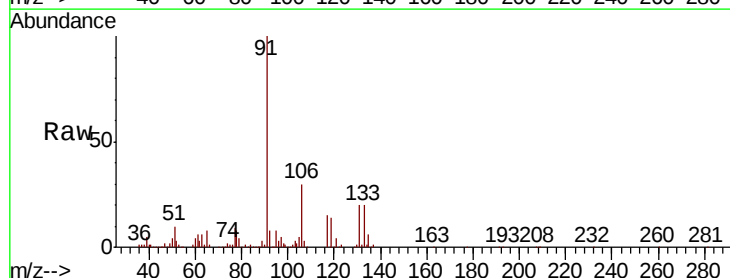
Tgt Ion:131 Resp: 81638

Ion Ratio Lower Upper

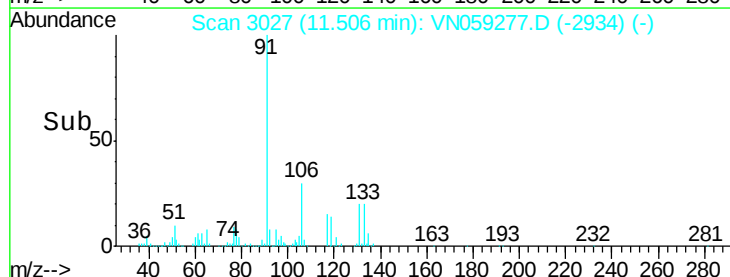
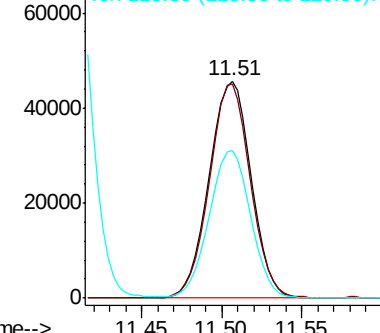
131 100

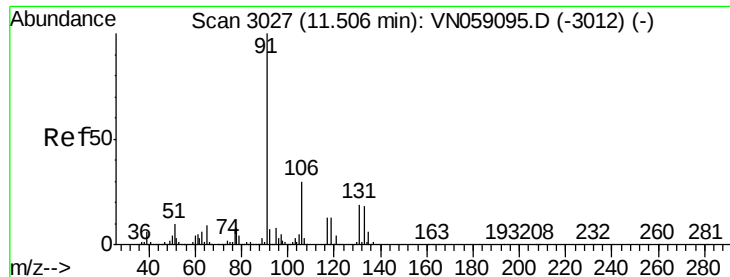
133 96.8 47.4 142.3

119 67.7 33.2 99.6



Abundance Ion 130.80 (130.50 to 131.50): V





#67

Ethyl Benzene

Concen: 20.811 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

Instrument :

MSVOA_N

ClientSampleId :

VN1118MBS01

Tot Ion: 91 Resp: 379013

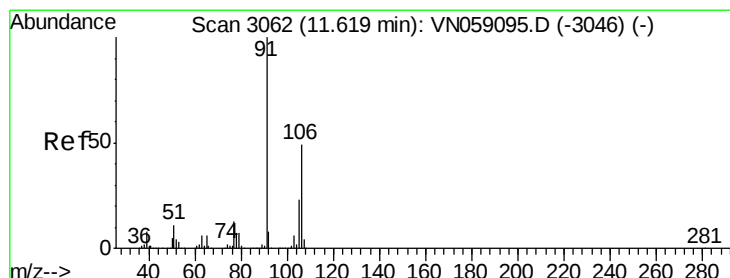
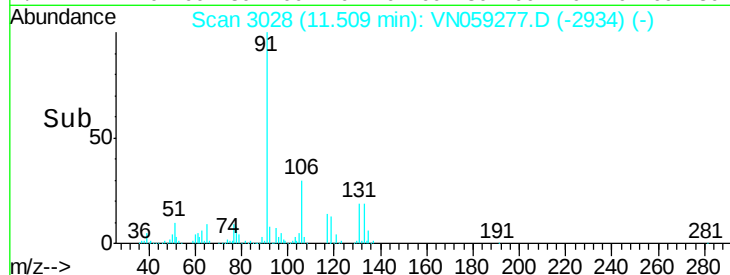
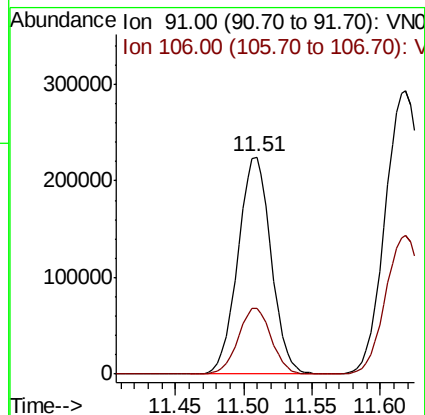
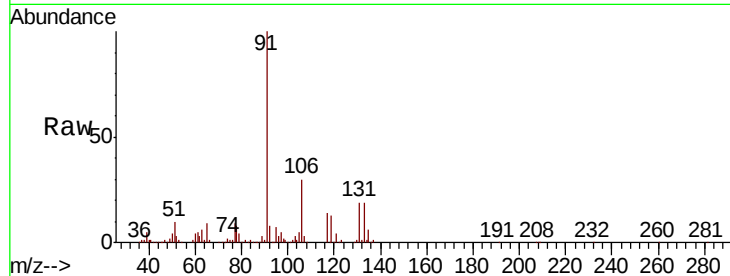
Ion Ratio Lower Upper

91 100

106 30.5 24.1 36.1

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#68

m/p-Xylenes

Concen: 41.146 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059277.D

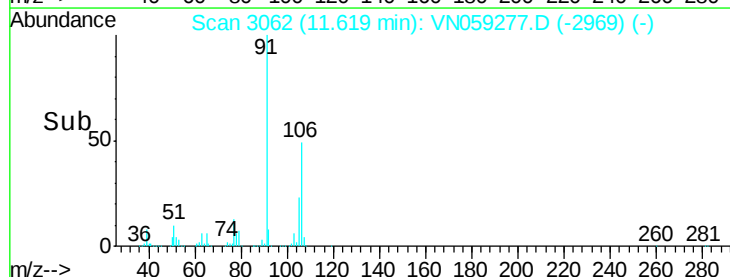
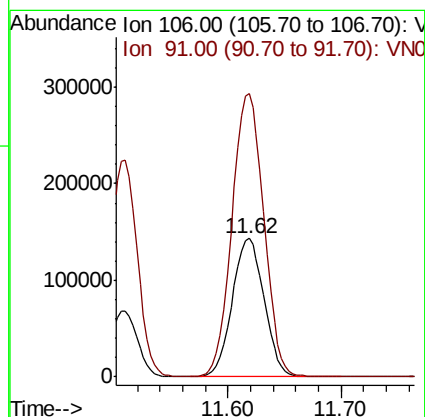
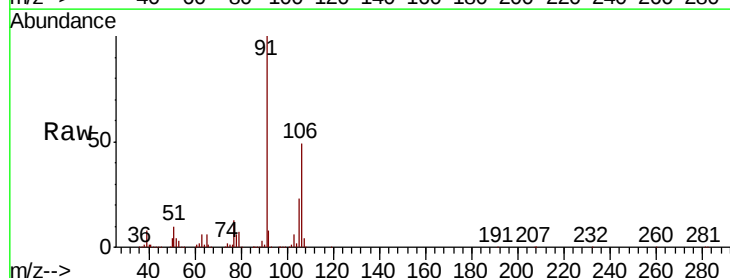
Acq: 18 Nov 2019 12:48

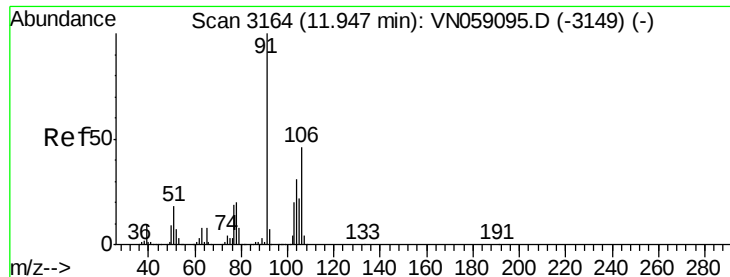
Tgt Ion: 106 Resp: 280702

Ion Ratio Lower Upper

106 100

91 204.1 164.7 247.1





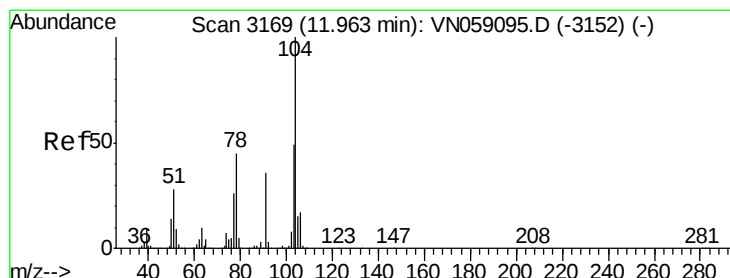
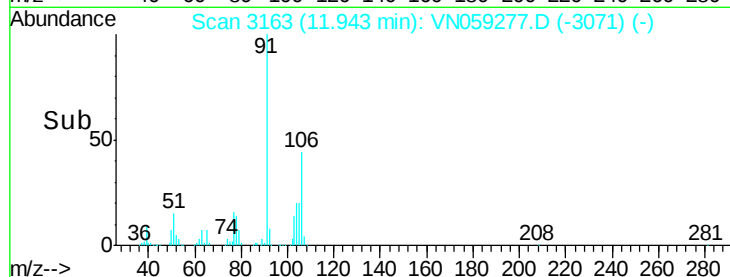
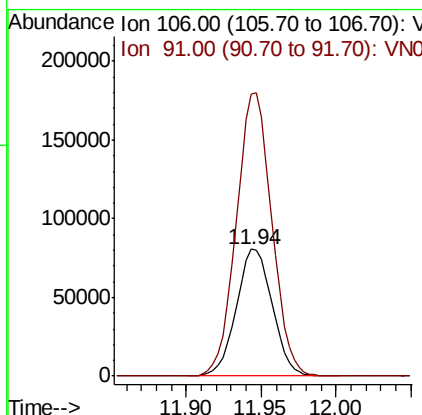
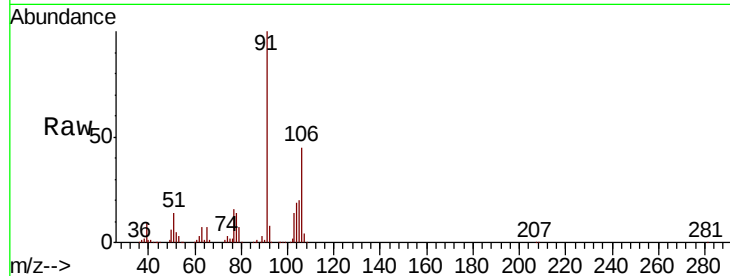
#69
o-Xylene
Concen: 20.534 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN059277.D
Acq: 18 Nov 2019 12:48

Instrument :
MSVOA_N
ClientSampleId :
VN1118MBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	220.1	110.1	330.3	

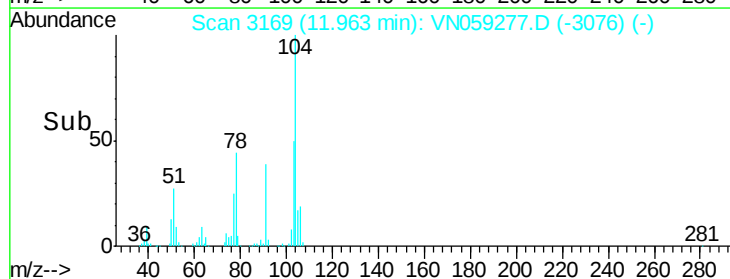
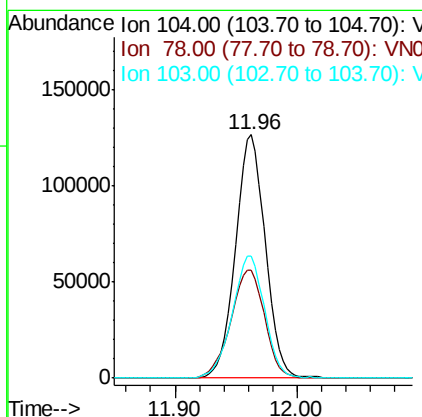
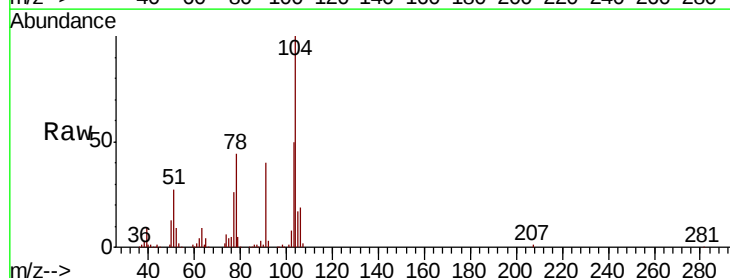
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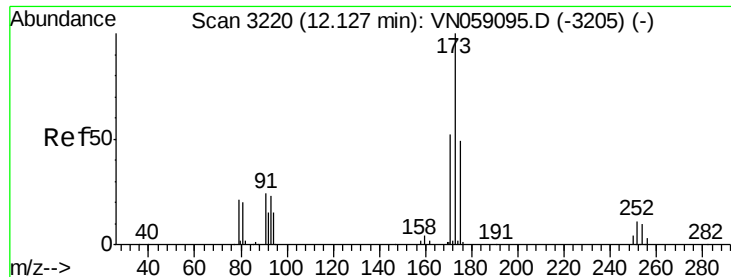
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#70
Styrene
Concen: 20.727 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059277.D
Acq: 18 Nov 2019 12:48

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	50.6	41.2	61.8	
103	54.4	43.8	65.6	





#71

Bromoform

Concen: 21.358 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

Instrument :

MSVOA_N

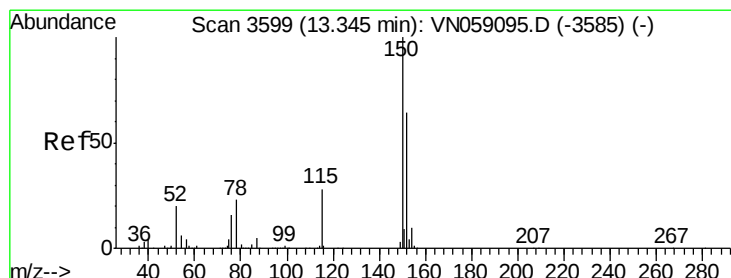
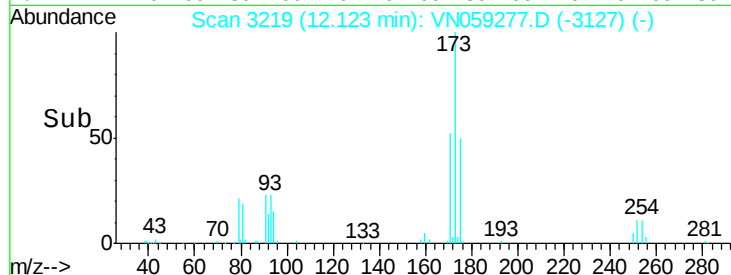
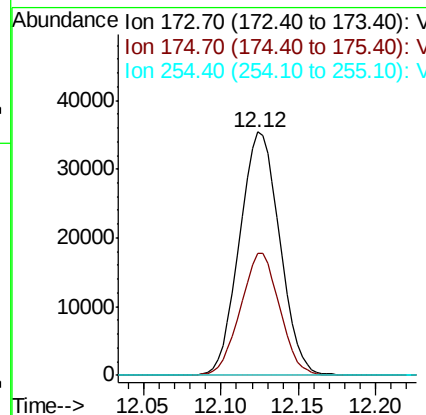
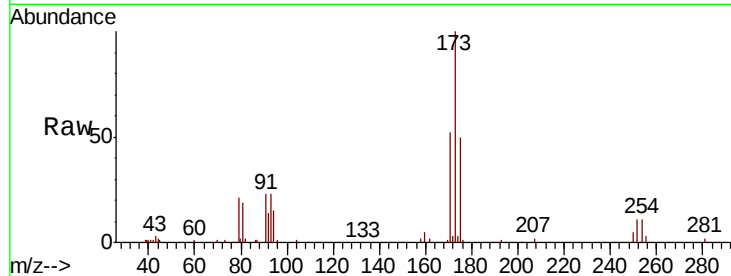
ClientSampleId :

VN1118MBS01

Tot Ion:	173	Resp:	63971
Ion Ratio	Lower	Upper	
173	100		
175	49.0	24.2	72.6
254	0.0	0.1	0.1#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

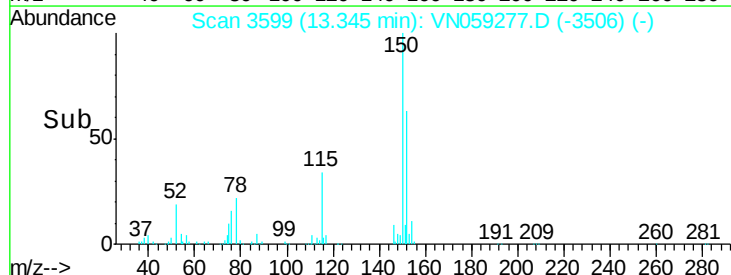
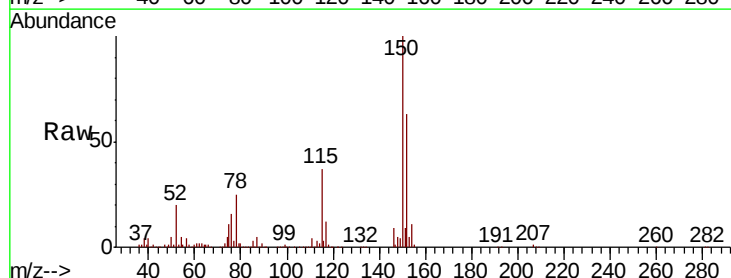
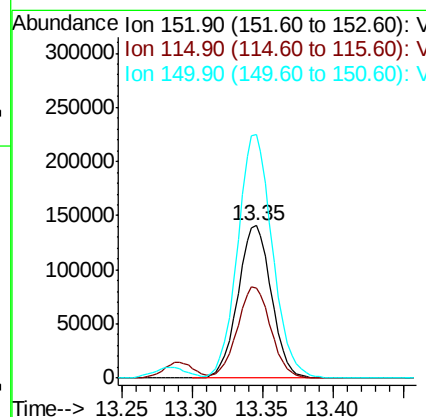
RT: 13.35 min Scan# 3599

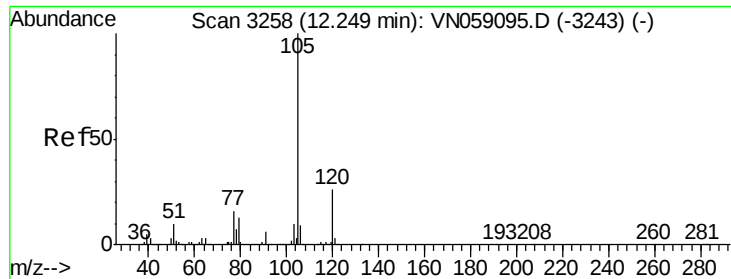
Delta R.T. -0.00 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

Tgt Ion:	152	Resp:	234419
Ion Ratio	Lower	Upper	
152	100		
115	59.3	29.4	88.2
150	165.3	0.0	345.8





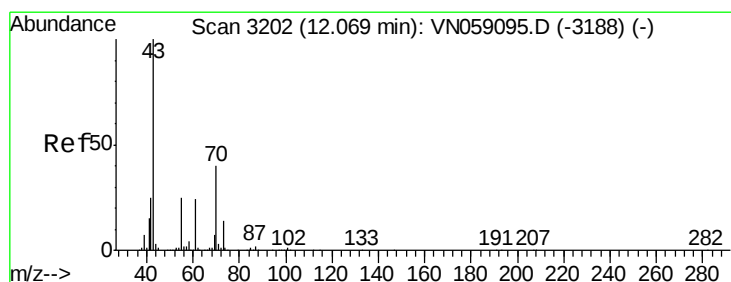
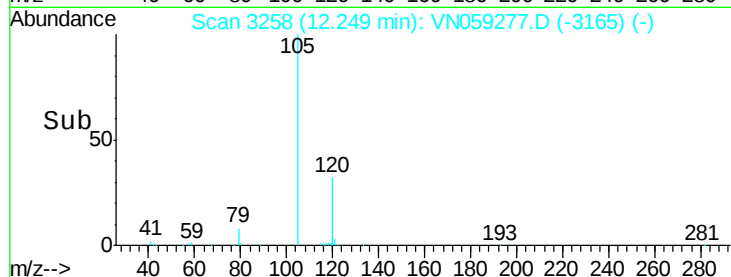
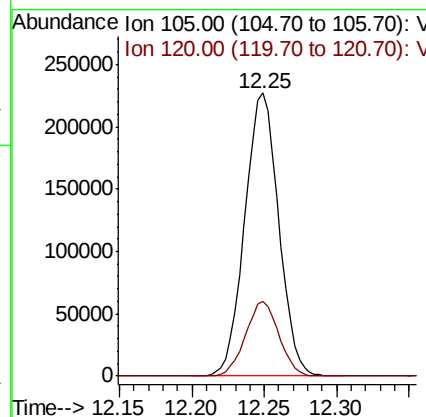
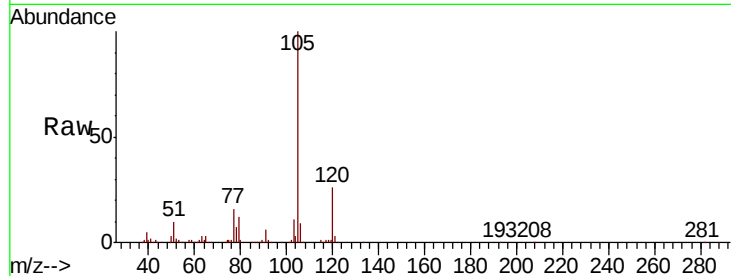
#73
Isopropylbenzene
Concen: 21.658 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN059277.D
Acq: 18 Nov 2019 12:48

Instrument :
MSVOA_N
ClientSampleId :
VN1118MBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.1	39.3

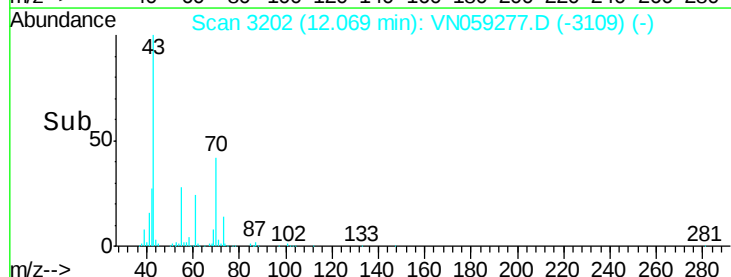
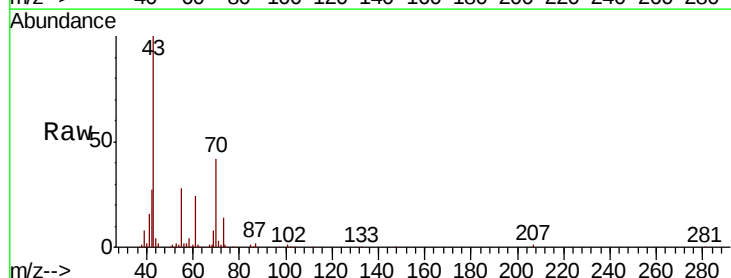
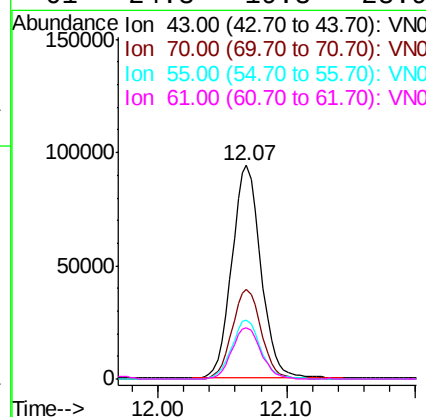
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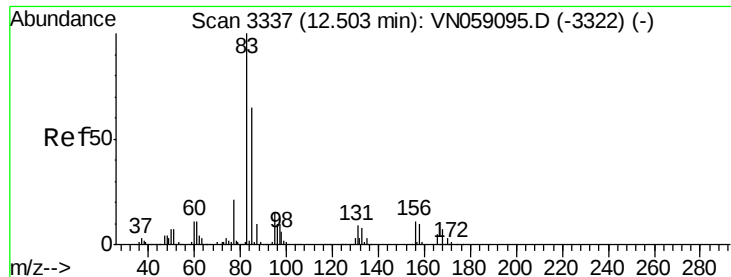
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#74
N-ethyl acetate
Concen: 20.351 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN059277.D
Acq: 18 Nov 2019 12:48

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.5	32.2	48.4
55	27.5	20.4	30.6
61	24.3	19.3	28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 22.315 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

Instrument :

MSVOA_N

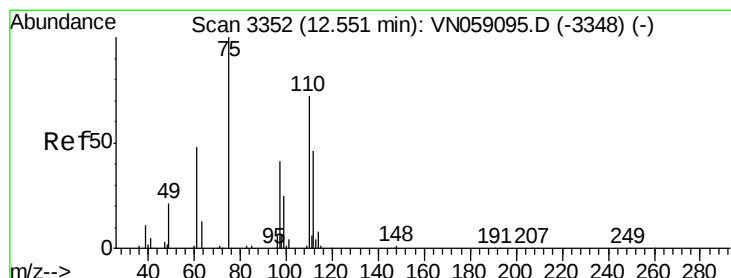
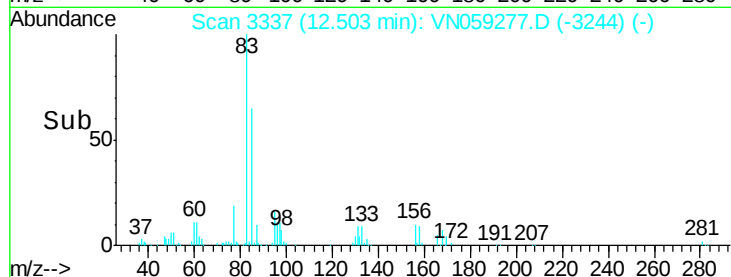
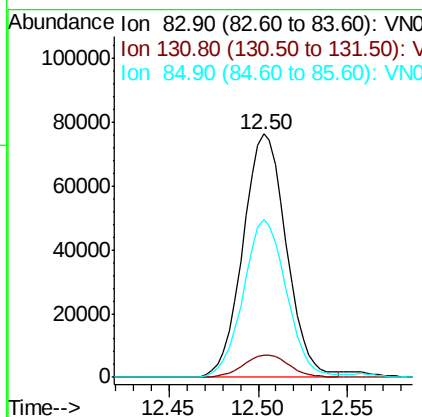
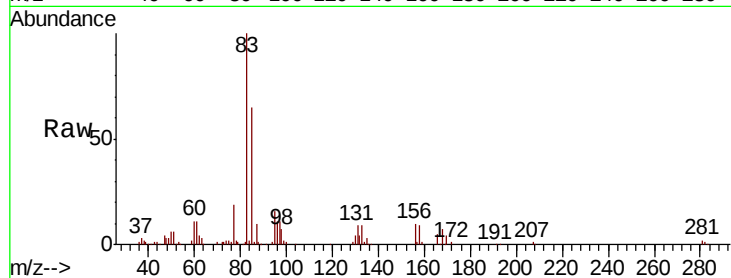
ClientSampleId :

VN1118MBS01

Tot Ion:	83	Resp:	129580
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.9	14.6
85	64.6	32.4	97.2

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#76

1,2,3-Trichloropropane

Concen: 22.979 ug/l m

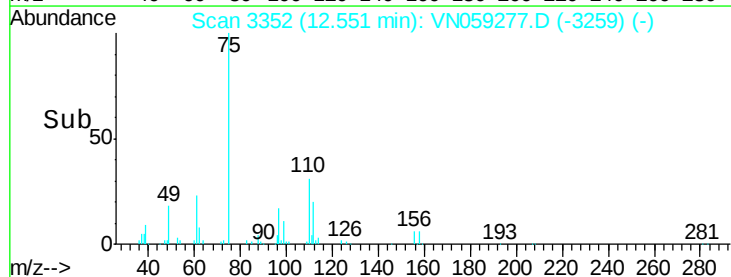
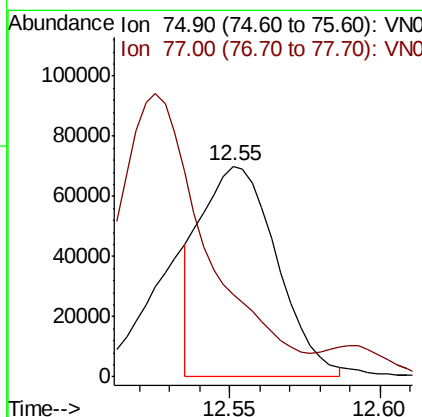
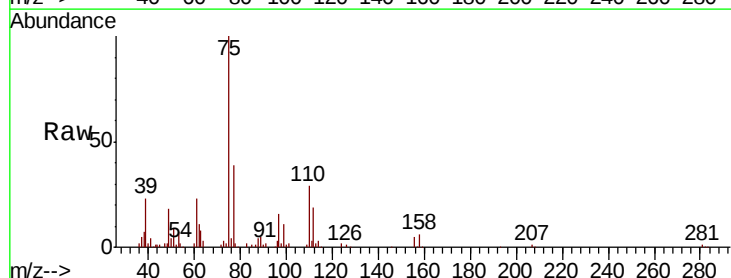
RT: 12.55 min Scan# 3352

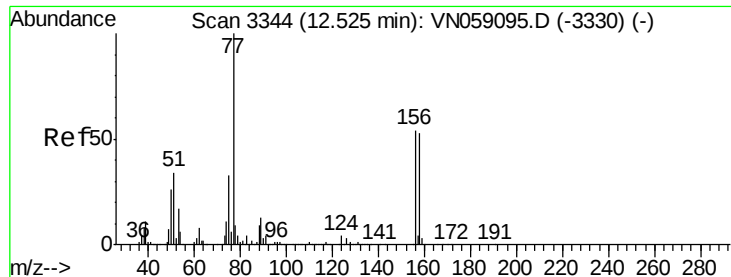
Delta R.T. -0.00 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

Tgt Ion:	75	Resp:	122635
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.909 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

Instrument :

MSVOA_N

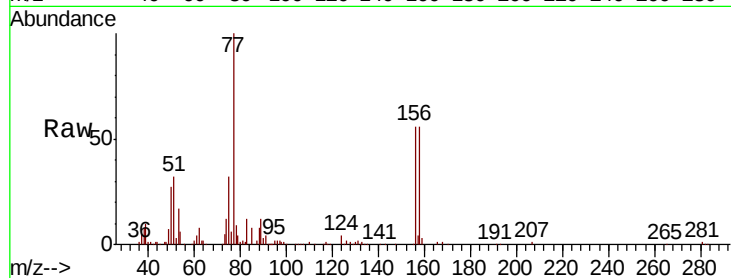
ClientSampleId :

VN1118MBS01

Tot Ion:	156	Resp:	89576
Ion Ratio	Lower	Upper	
156	100		
77	221.1	112.8	338.3
158	98.6	48.4	145.3

Manual Integrations
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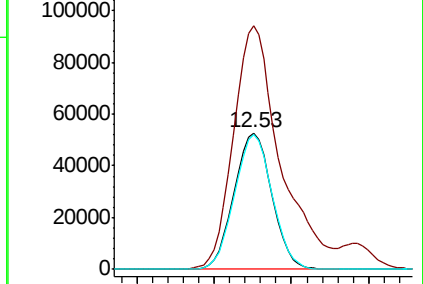
MMDADODA
11/19/2019 11:01:48 AM



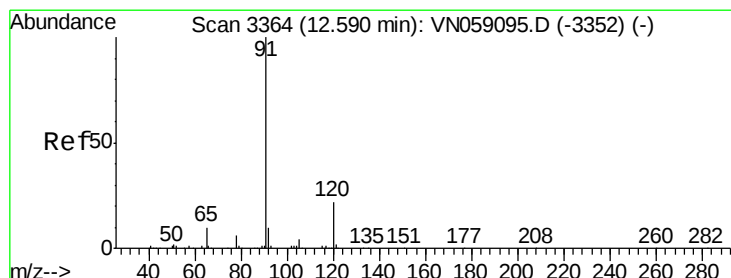
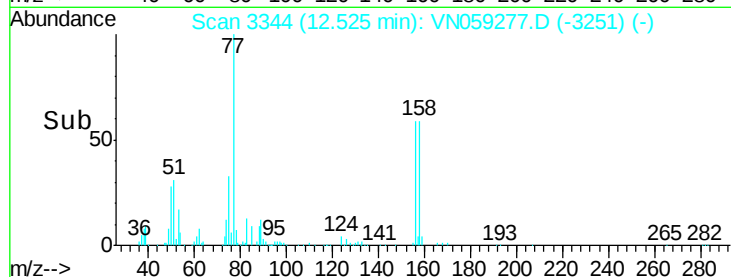
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



Time-->



#78

n-propylbenzene

Concen: 21.402 ug/l

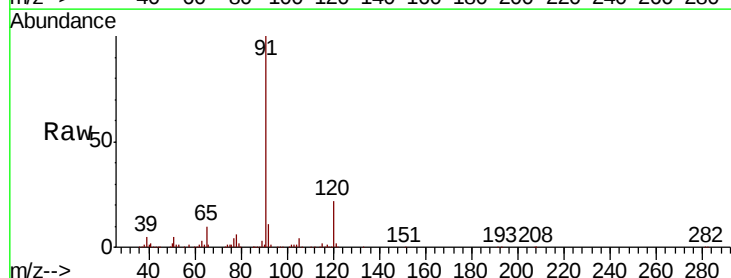
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN059277.D

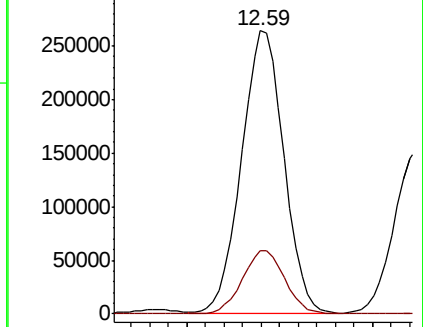
Acq: 18 Nov 2019 12:48

Tgt Ion:	91	Resp:	417849
Ion Ratio	Lower	Upper	
91	100		
120	22.6	11.2	33.5

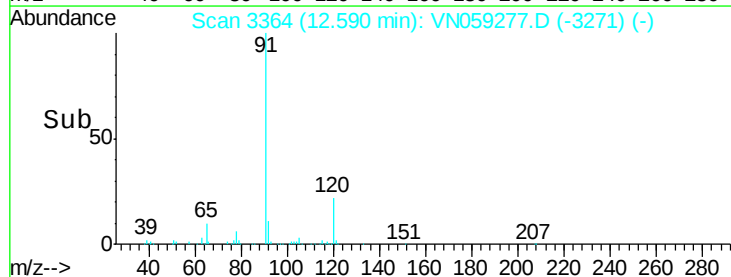


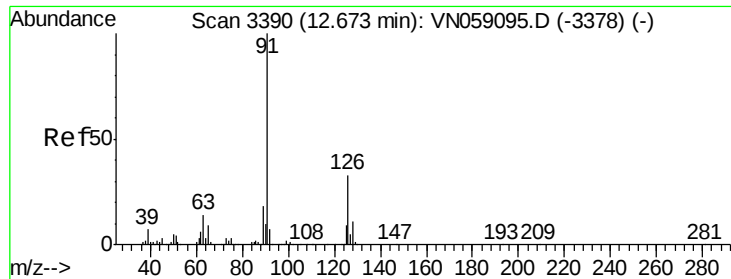
Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



Time-->





#79

2-Chlorotoluene

Concen: 20.949 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

Instrument :

MSVOA_N

ClientSampleId :

VN1118MBS01

Tot Ion: 91 Resp: 253734

Ion Ratio Lower Upper

91 100

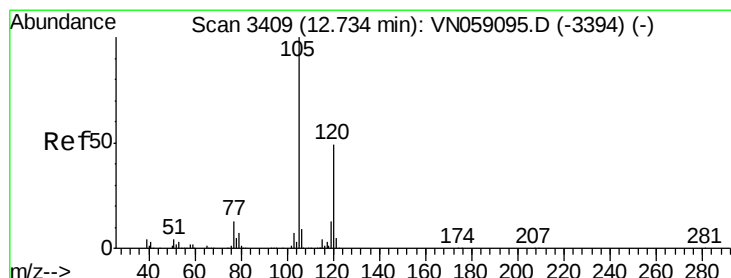
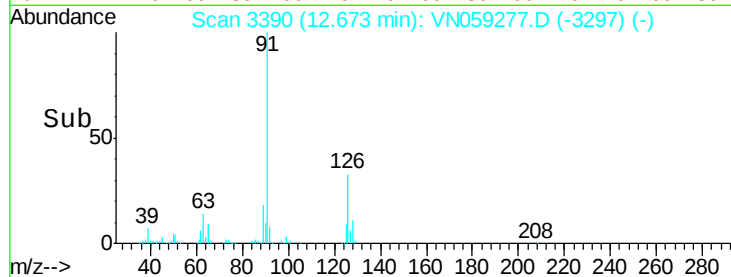
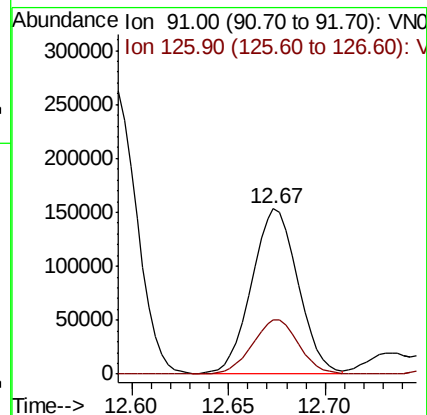
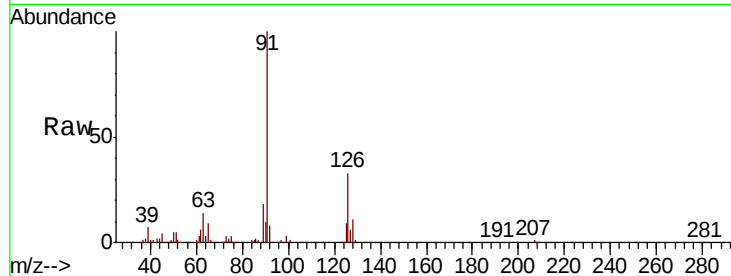
126 33.1 16.7 50.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.451 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059277.D

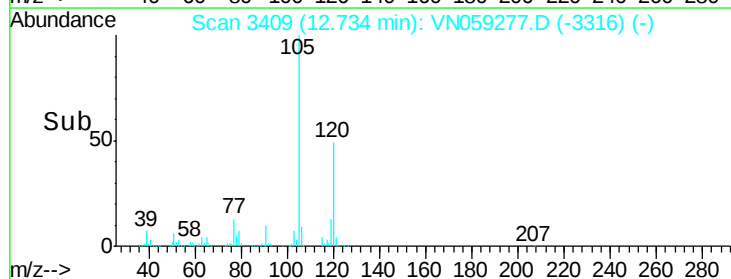
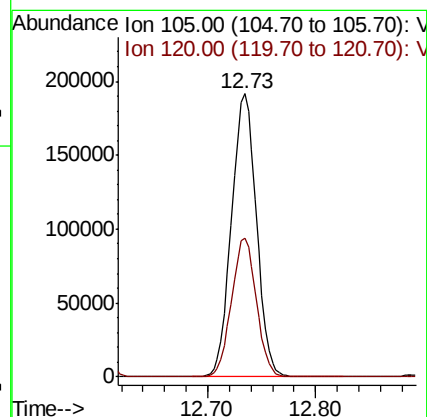
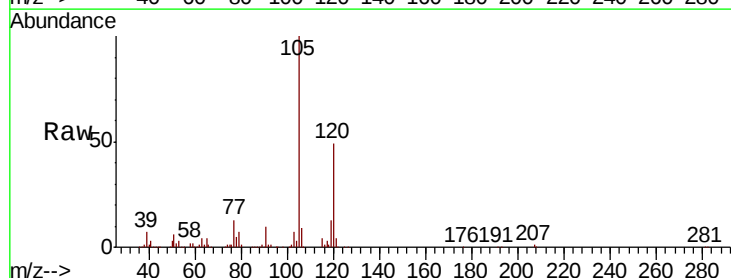
Acq: 18 Nov 2019 12:48

Tgt Ion: 105 Resp: 309945

Ion Ratio Lower Upper

105 100

120 48.7 24.0 72.0





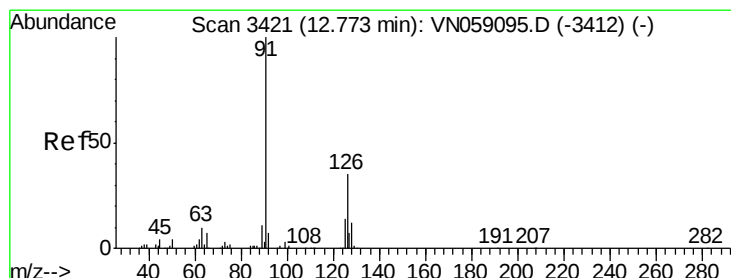
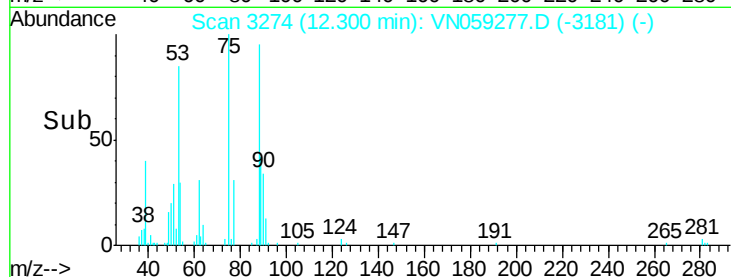
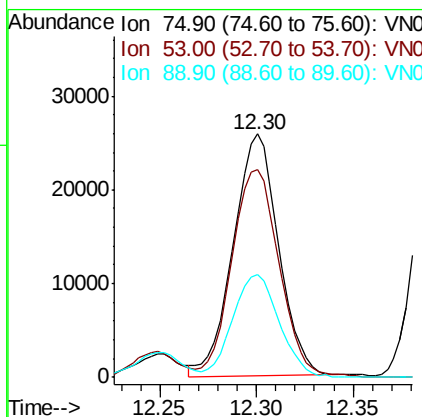
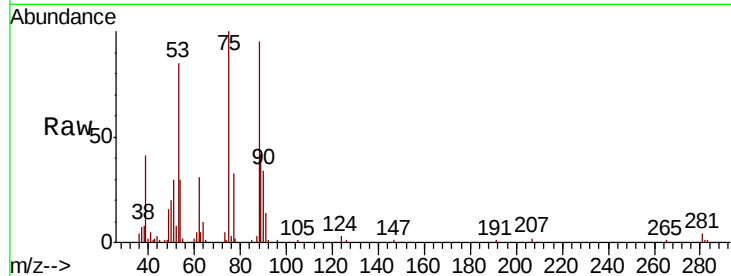
#81
trans-1,4-Dichloro-2-butene
Concen: 20.741 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN059277.D
Acq: 18 Nov 2019 12:48

Instrument :
MSVOA_N
ClientSampleId :
VN1118MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.7	72.2	108.2
89	43.8	35.8	53.8

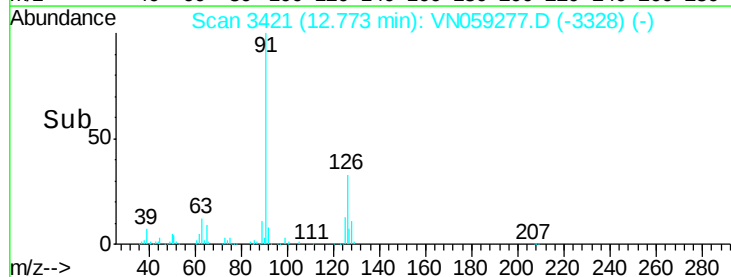
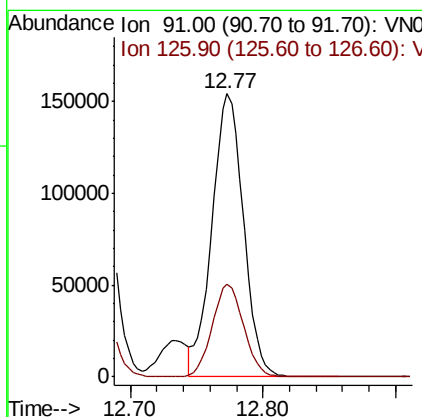
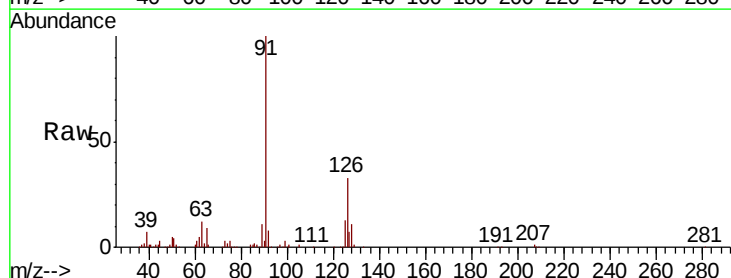
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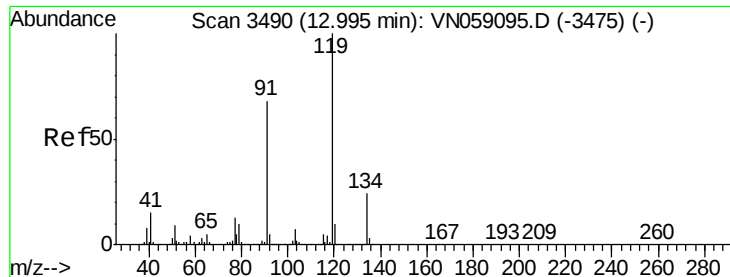
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#82
4-Chlorotoluene
Concen: 20.855 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN059277.D
Acq: 18 Nov 2019 12:48

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.1	48.2





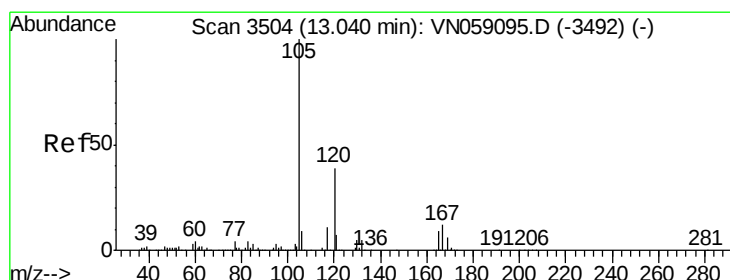
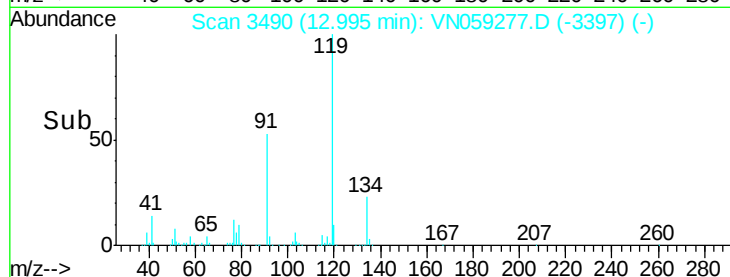
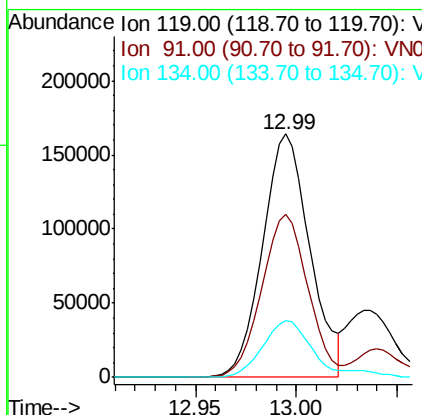
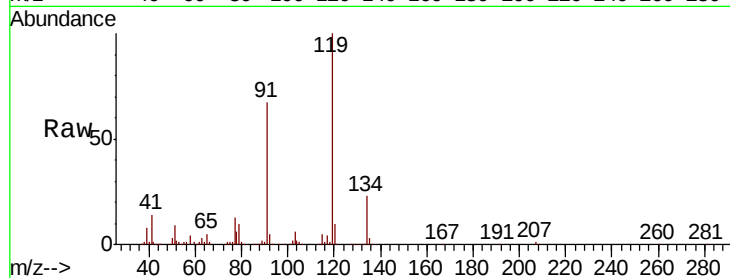
#83
 tert-Butylbenzene
 Concen: 21.467 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN059277.D
 Acq: 18 Nov 2019 12:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1118MBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.8	33.2	99.6
134	23.6	12.7	38.1

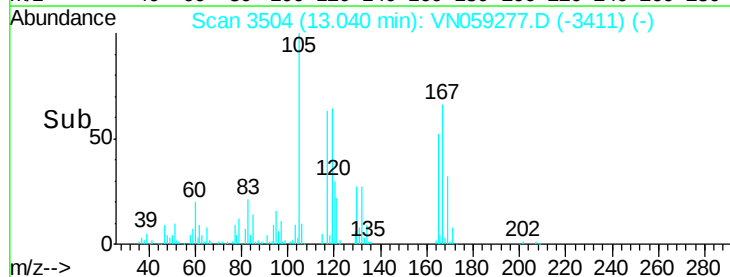
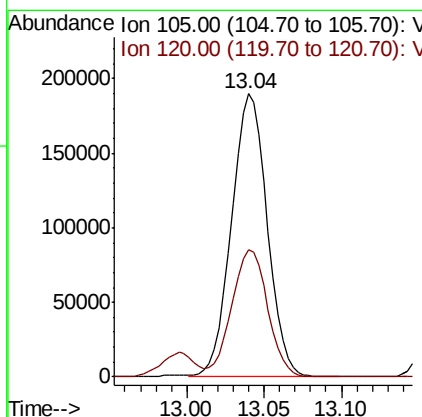
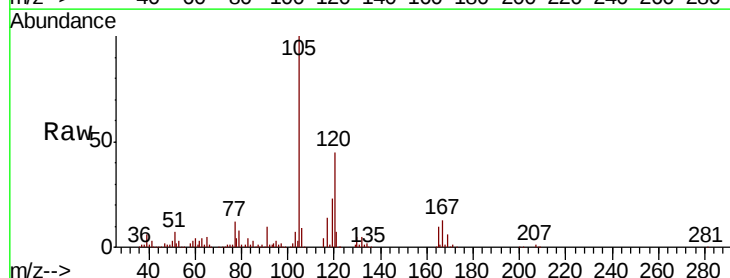
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.580 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN059277.D
 Acq: 18 Nov 2019 12:48

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	22.8	68.4





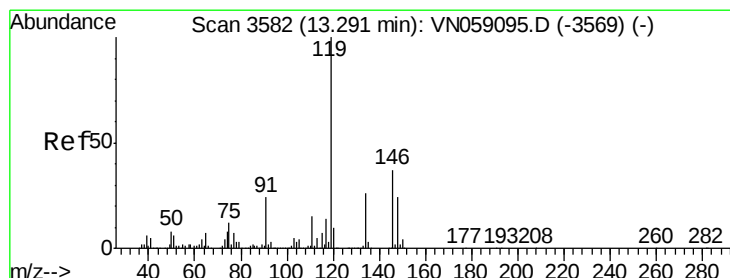
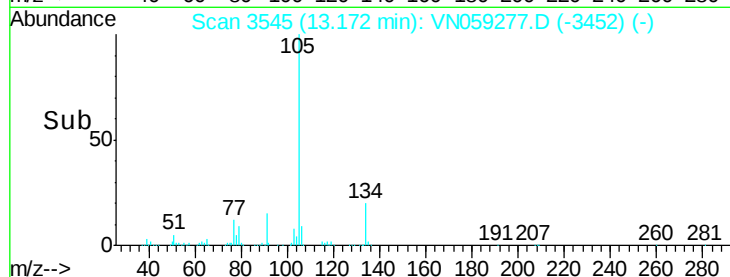
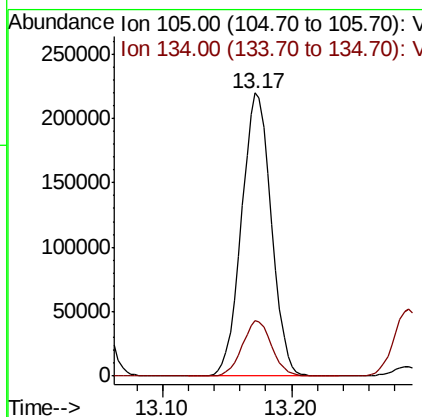
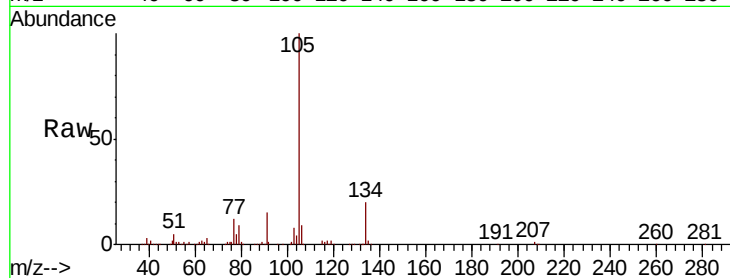
#85
 sec-Butylbenzene
 Concen: 21.642 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN059277.D
 Acq: 18 Nov 2019 12:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1118MBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.7	29.1

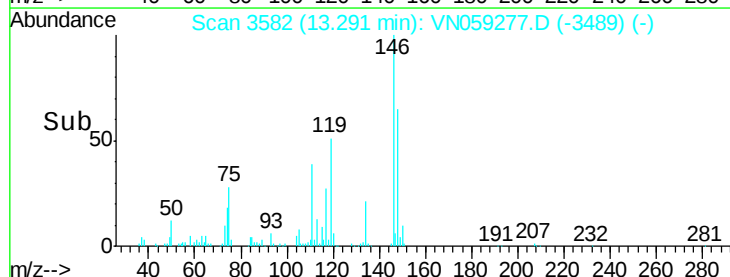
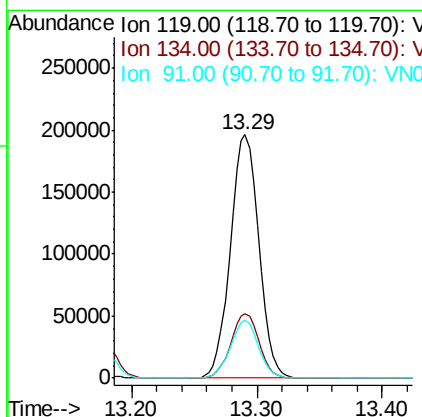
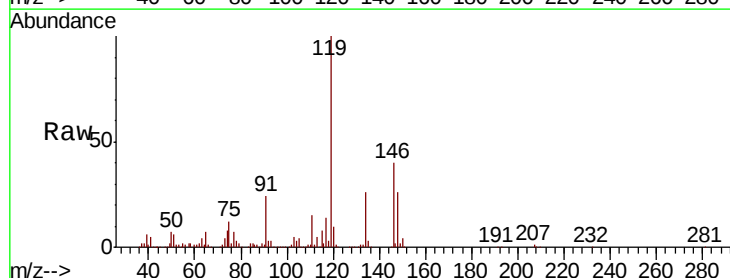
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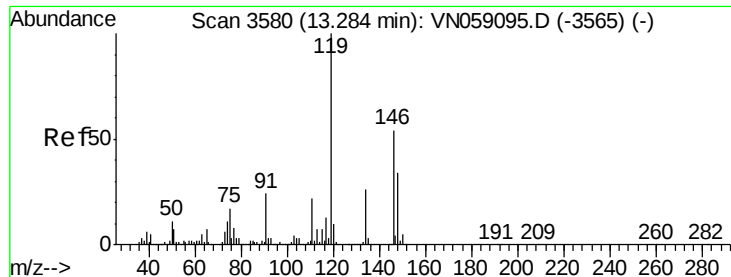
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#86
 p-Isopropyltoluene
 Concen: 21.461 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN059277.D
 Acq: 18 Nov 2019 12:48

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.0	38.9
91	23.3	11.7	35.1





#87

1,3-Dichlorobenzene

Concen: 21.072 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059277.D

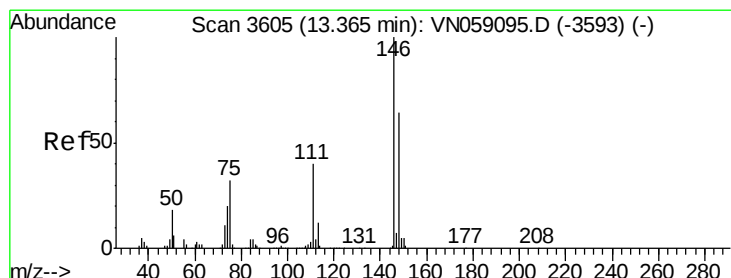
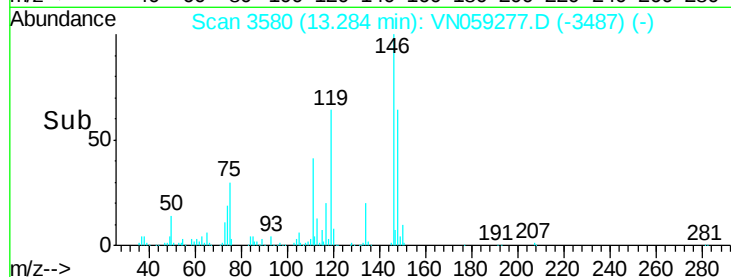
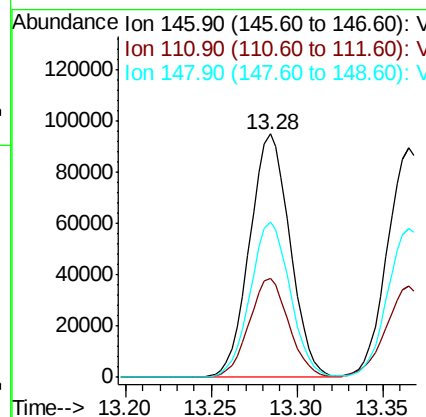
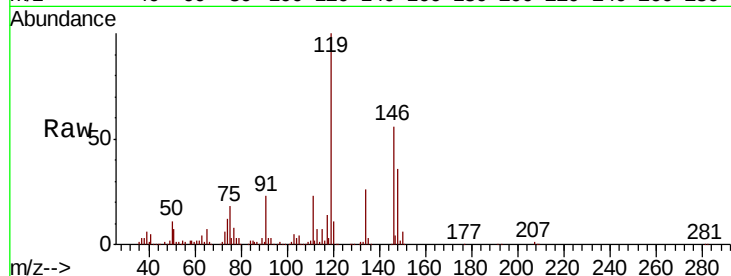
Acq: 18 Nov 2019 12:48

Instrument :
MSVOA_N
ClientSampleId :
VN1118MBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	154590		
111	40.1	20.4	61.3	
148	63.3	32.2	96.6	

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#88

1,4-Dichlorobenzene

Concen: 20.359 ug/l

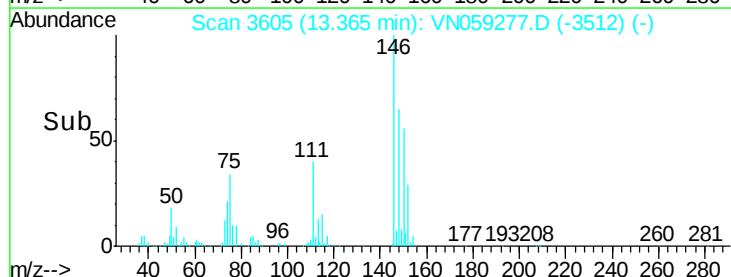
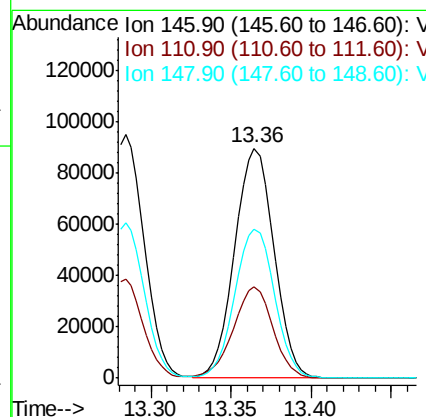
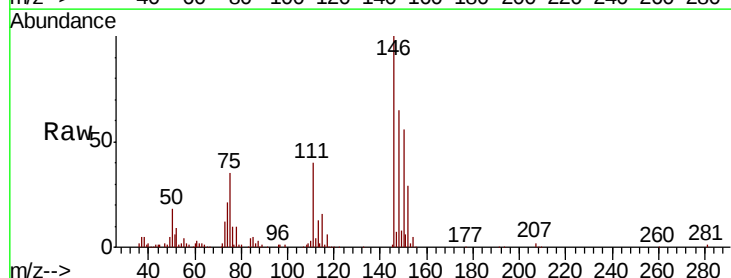
RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	149433		
111	40.4	20.3	60.9	
148	65.4	31.9	95.7	





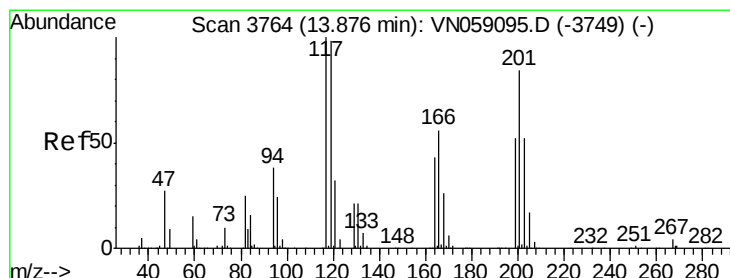
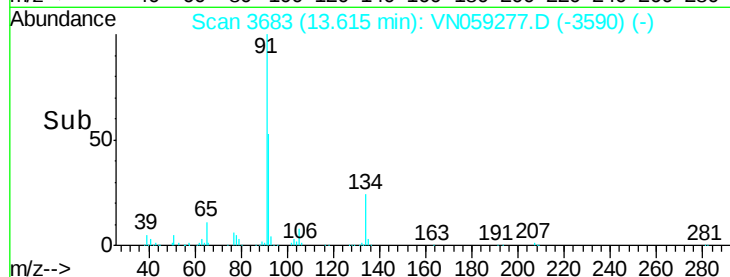
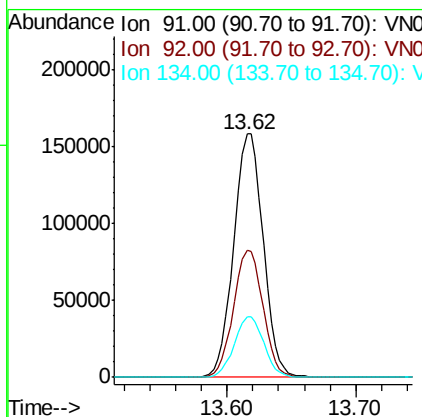
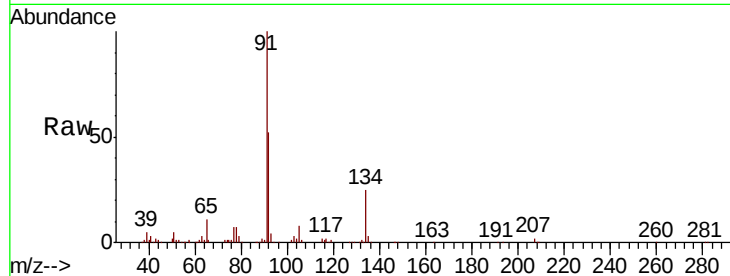
#89
n-Butylbenzene
Concen: 20.182 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN059277.D
Acq: 18 Nov 2019 12:48

Instrument :
MSVOA_N
ClientSampleId :
VN1118MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.1	78.3
134	24.9	12.6	37.8

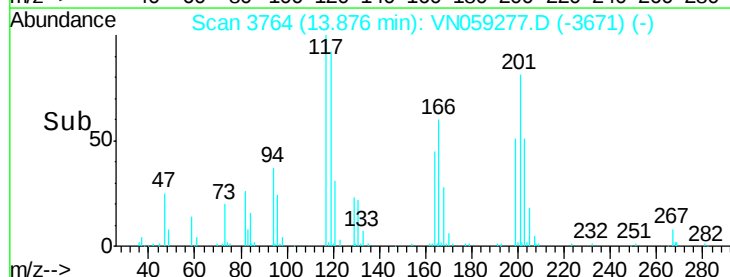
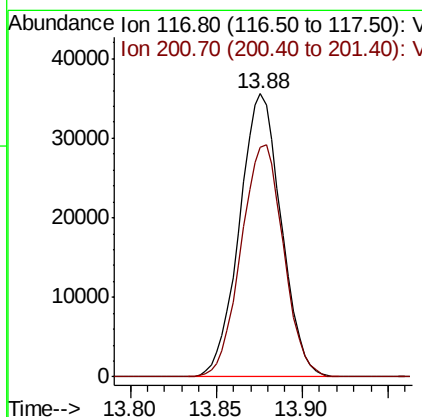
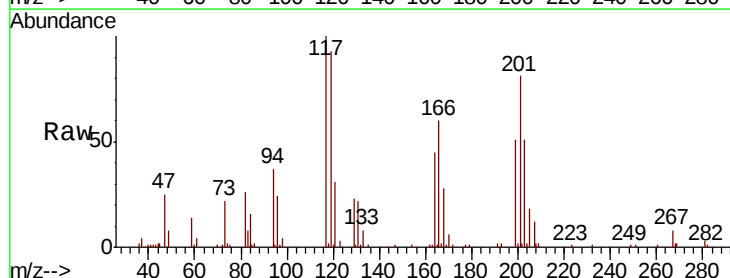
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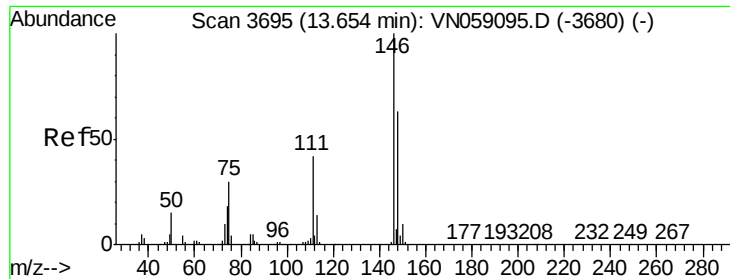
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#90
Hexachloroethane
Concen: 20.836 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059277.D
Acq: 18 Nov 2019 12:48

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.1	41.8	125.3





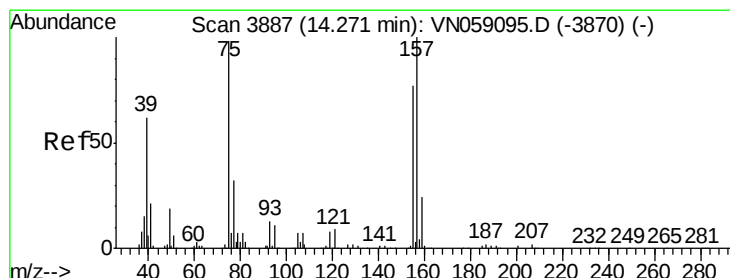
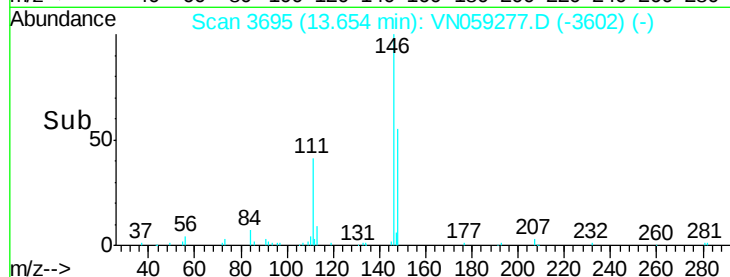
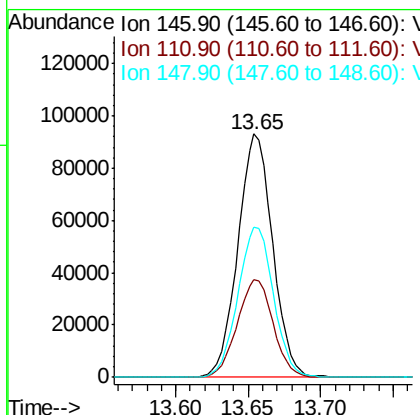
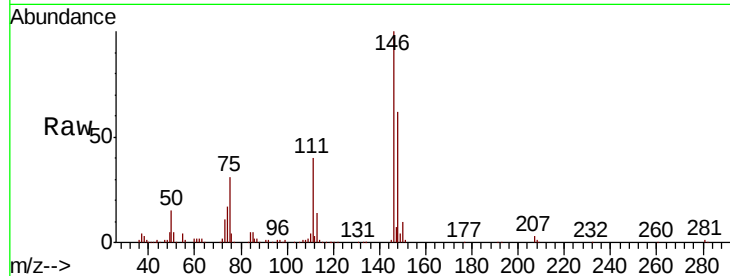
#91
 1,2-Dichlorobenzene
 Concen: 21.475 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN059277.D
 Acq: 18 Nov 2019 12:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1118MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	21.2	63.6
148	63.3	31.6	94.7

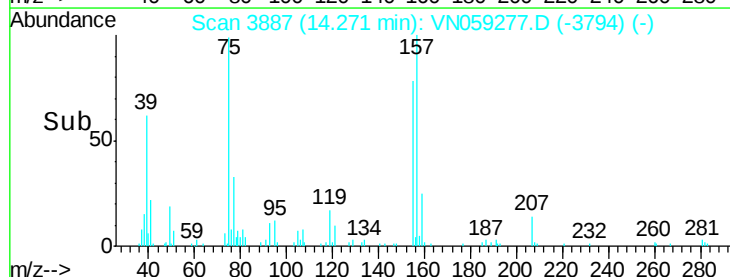
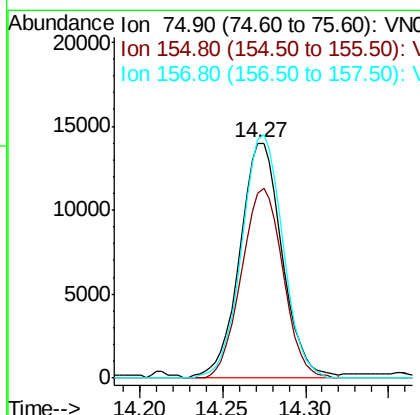
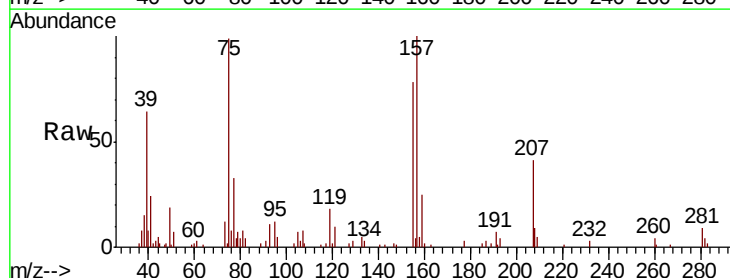
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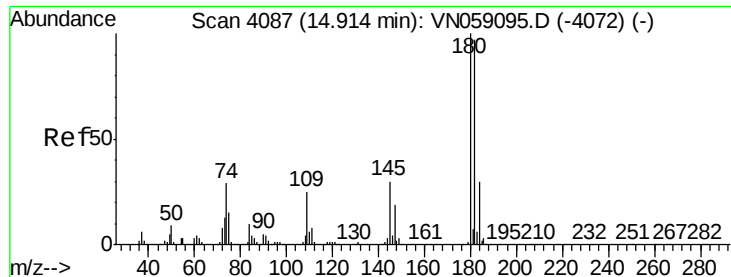
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.548 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN059277.D
 Acq: 18 Nov 2019 12:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.1	40.2	120.6
157	100.4	51.8	155.5





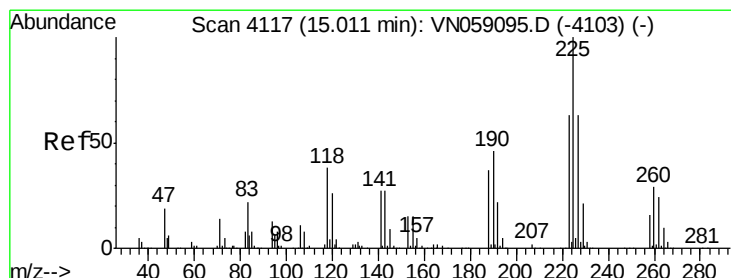
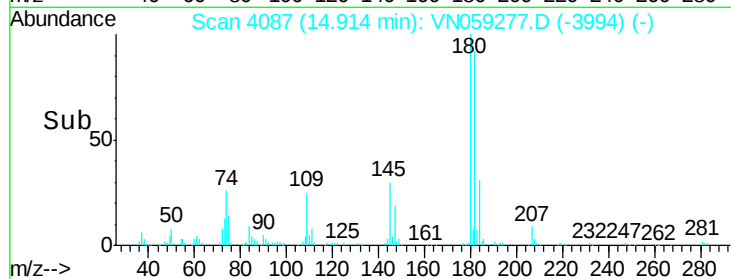
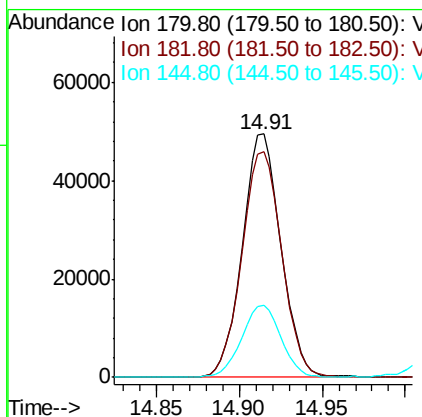
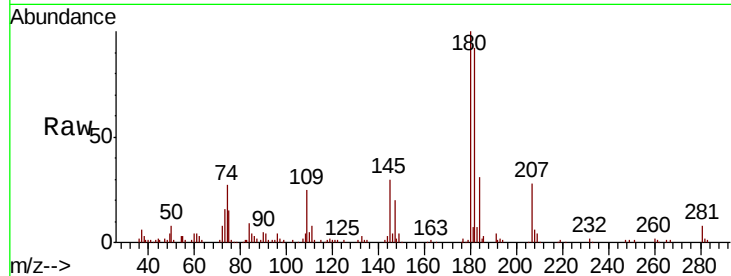
#93
 1,2,4-Trichlorobenzene
 Concen: 20.200 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059277.D
 Acq: 18 Nov 2019 12:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1118MBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	48.1	144.3
145	30.4	15.1	45.3

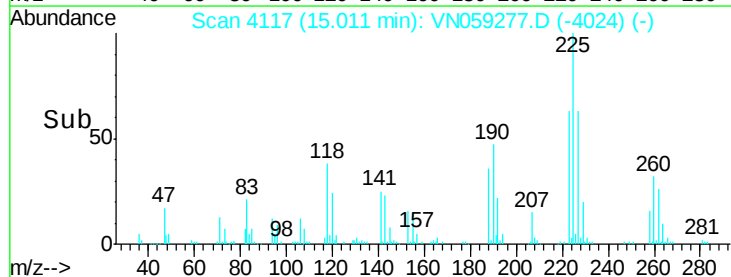
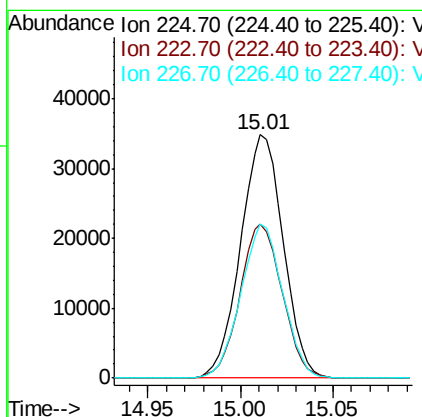
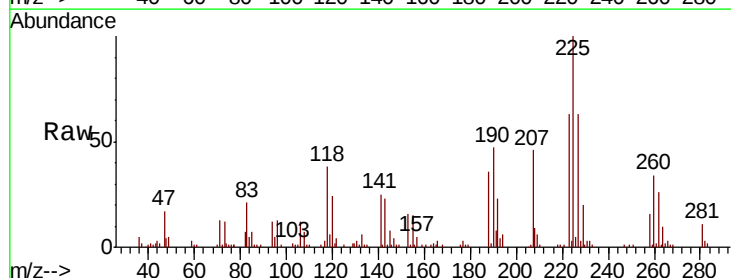
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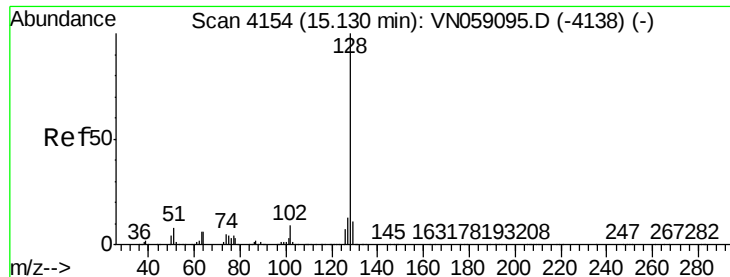
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#94
 Hexachlorobutadiene
 Concen: 22.378 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059277.D
 Acq: 18 Nov 2019 12:48

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.3	93.9
227	62.3	31.5	94.5





#95

Naphthalene

Concen: 20.003 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

Instrument :

MSVOA_N

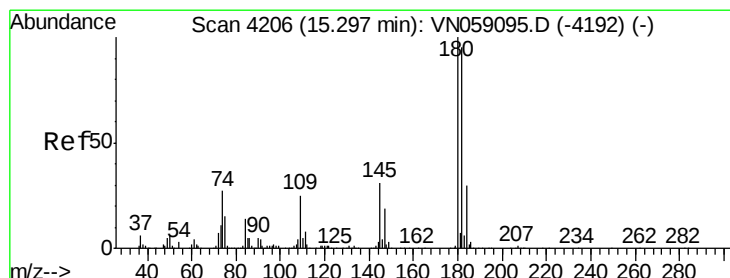
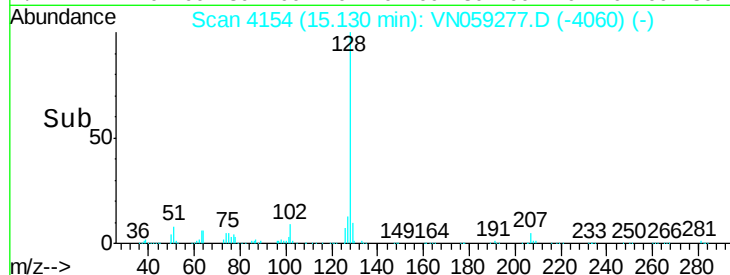
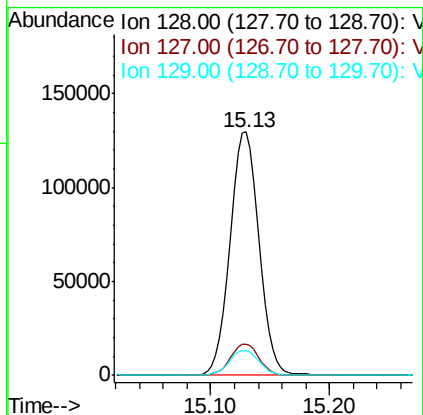
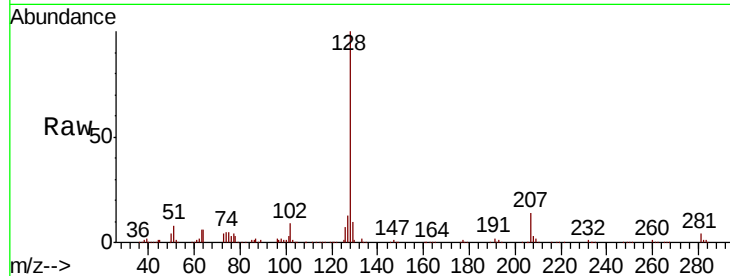
ClientSampleId :

VN1118MBS01

Tot Ion:	128	Resp:	219362
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.2	15.2
129	10.6	8.6	12.8

Manual Integrations
APPROVED

MMDADODA
11/19/2019 11:01:48 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.972 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. -0.00 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

Tgt Ion:	180	Resp:	84820
Ion Ratio	Lower	Upper	
180	100		
182	93.1	47.3	141.8
145	31.3	15.8	47.3

