

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112219\
 Data File : VN059369.D
 Acq On : 22 Nov 2019 16:52
 Operator : JC/SP
 Sample : VN1122WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1122WBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/26/2019 2:43:26 PM

Quant Time: Nov 22 22:54:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 08:44:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	364119	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	571251	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	510297	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	231272	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	212434	48.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.24%	
35) Dibromofluoromethane	7.57	113	170260	49.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.36%	
50) Toluene-d8	10.08	98	681426	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	
62) 4-Bromofluorobenzene	12.40	95	239793	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	89279	19.152	ug/l 99
3) Chloromethane	2.04	50	105572	18.487	ug/l 99
4) Vinyl Chloride	2.17	62	113990	19.388	ug/l 100
5) Bromomethane	2.54	94	60660	18.583	ug/l 97
6) Chloroethane	2.68	64	59859	18.654	ug/l 95
7) Trichlorofluoromethane	3.00	101	117830	18.610	ug/l 100
8) Diethyl Ether	3.39	74	50512	19.515	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	3.73	101	75833	19.587	ug/l 99
10) Methyl Iodide	3.93	142	94354	19.610	ug/l 99
11) Tert butyl alcohol	4.75	59	80916	92.507	ug/l 99
12) 1,1-Dichloroethene	3.72	96	73907	18.807	ug/l 97
13) Acrolein	3.58	56	76857	96.256	ug/l 99
14) Allyl chloride	4.30	41	138531	18.870	ug/l 99
15) Acrylonitrile	4.95	53	223653	96.706	ug/l 99
16) Acetone	3.79	43	234268	119.591	ug/l 100
17) Carbon Disulfide	4.03	76	228605	18.649	ug/l 100
18) Methyl Acetate	4.30	43	127662	19.637	ug/l 99
19) Methyl tert-butyl Ether	5.01	73	248296	19.562	ug/l 98
20) Methylene Chloride	4.52	84	86190	19.509	ug/l 98
21) trans-1,2-Dichloroethene	5.01	96	79043	18.978	ug/l 97
22) Diisopropyl ether	5.92	45	267496	19.352	ug/l 95
23) Vinyl Acetate	5.87	43	1039047	95.591	ug/l 100
24) 1,1-Dichloroethane	5.82	63	150448	19.337	ug/l 99
25) 2-Butanone	6.81	43	313646	102.967	ug/l 98
26) 2,2-Dichloropropane	6.80	77	126329	18.752	ug/l 99
27) cis-1,2-Dichloroethene	6.80	96	89566	19.060	ug/l 98
28) Bromochloromethane	7.17	49	58663	19.991	ug/l 96
29) Tetrahydrofuran	7.18	42	203267	96.506	ug/l 100
30) Chloroform	7.35	83	142142	18.741	ug/l 98
31) Cyclohexane	7.63	56	144462	18.779	ug/l 96
32) 1,1,1-Trichloroethane	7.55	97	124427	19.181	ug/l 100
36) 1,1-Dichloropropene	7.77	75	111608	18.925	ug/l 99
37) Ethyl Acetate	6.91	43	122215	19.283	ug/l 98
38) Carbon Tetrachloride	7.75	117	107548	19.050	ug/l 97

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Quant Time: Nov 22 22:54:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 08:44:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	138719	19.507	ug/l	98
40) Benzene	8.02	78	335190	19.366	ug/l	99
41) Methacrylonitrile	7.15	41	52910m	18.805	ug/l	
42) 1,2-Dichloroethane	8.11	62	110681	19.335	ug/l	100
43) Isopropyl Acetate	8.15	43	186600	19.265	ug/l	99
44) Trichloroethene	8.82	130	86292	19.671	ug/l	98
45) 1,2-Dichloropropane	9.10	63	90314	19.568	ug/l	97
46) Dibromomethane	9.20	93	53779	18.996	ug/l	99
47) Bromodichloromethane	9.39	83	109229	19.265	ug/l	99
48) Methyl methacrylate	9.19	41	83292	18.910	ug/l	98
49) 1,4-Dioxane	9.18	88	25375	383.306	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	588805	103.853	ug/l	100
52) Toluene	10.15	92	204364	19.636	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	126097	19.132	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	140456	19.639	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	80641	19.929	ug/l	99
56) Ethyl methacrylate	10.42	69	118676	18.796	ug/l	99
57) 1,3-Dichloropropane	10.70	76	141400	20.049	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	186039	90.189	ug/l	99
59) 2-Hexanone	10.75	43	430824	103.775	ug/l	100
60) Dibromochloromethane	10.90	129	82881	19.437	ug/l	98
61) 1,2-Dibromoethane	11.00	107	81442	19.343	ug/l	99
64) Tetrachloroethene	10.63	164	80068	20.287	ug/l	98
65) Chlorobenzene	11.43	112	213184	19.429	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	78851	19.781	ug/l	100
67) Ethyl Benzene	11.51	91	386392	19.723	ug/l	99
68) m/p-Xylenes	11.62	106	285503	39.219	ug/l	99
69) o-Xylene	11.95	106	138369	19.854	ug/l	96
70) Styrene	11.96	104	212992	19.368	ug/l	99
71) Bromoform	12.13	173	58671	19.435	ug/l #	99
73) Isopropylbenzene	12.25	105	370928	19.579	ug/l	100
74) N-amyl acetate	12.07	43	140079	18.398	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	118109	18.846	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	110080m	20.603	ug/l	
77) Bromobenzene	12.53	156	87810	19.109	ug/l	99
78) n-propylbenzene	12.59	91	426928	19.894	ug/l	100
79) 2-Chlorotoluene	12.68	91	249798	18.964	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	310922	19.523	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	39941	18.697	ug/l	99
82) 4-Chlorotoluene	12.78	91	252211	18.503	ug/l	98
83) tert-Butylbenzene	12.99	119	266051	19.780	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	304863	19.541	ug/l	99
85) sec-Butylbenzene	13.17	105	356673	19.729	ug/l	100
86) p-Isopropyltoluene	13.29	119	315545	19.615	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	153161	18.716	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	150550	18.594	ug/l	97
89) n-Butylbenzene	13.62	91	261272	18.514	ug/l	99
90) Hexachloroethane	13.88	117	56369	18.502	ug/l	96
91) 1,2-Dichlorobenzene	13.66	146	151389	19.121	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22524	16.905	ug/l	98

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ClientSampleId :
VN1122WBSD01

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Quant Title : SW846 8260
QLast Update : Thu Nov 21 08:44:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	77920	17.832	ug/l	99
94) Hexachlorobutadiene	15.01	225	54557	19.126	ug/l	98
95) Naphthalene	15.13	128	206338	17.342	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	78915	17.608	ug/l	99

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

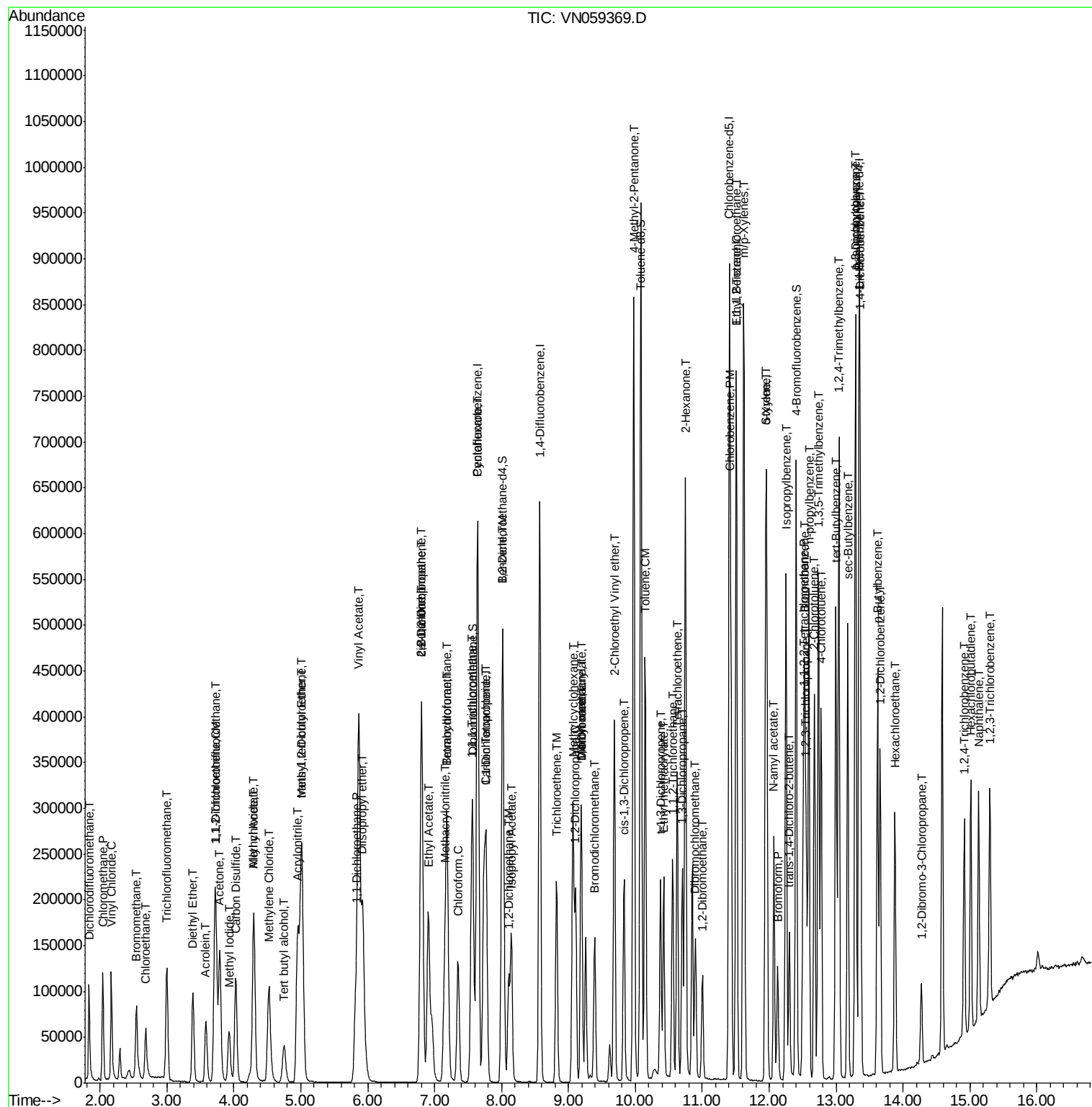
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Data File : VN059369.D
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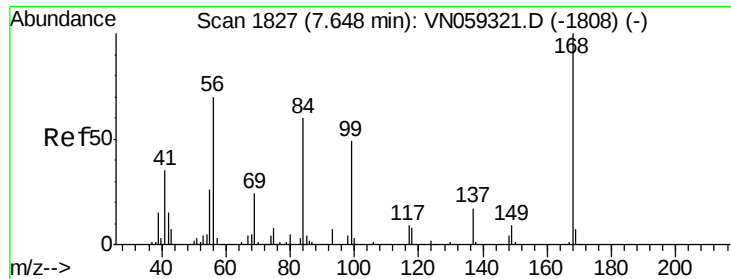
Instrument :
MSVOA_N
Client Sample Id :
VN1122WBSD01

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN059369.D

Acq: 22 Nov 2019 16:52

Instrument :

MSVOA_N

ClientSampleId :

VN1122WBSD01

Tot Ion:168 Resp: 364119

Ion Ratio Lower Upper

168 100

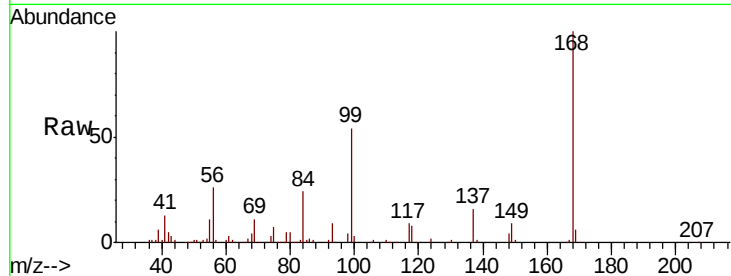
99 53.9 44.6 66.8

Manual Integrations

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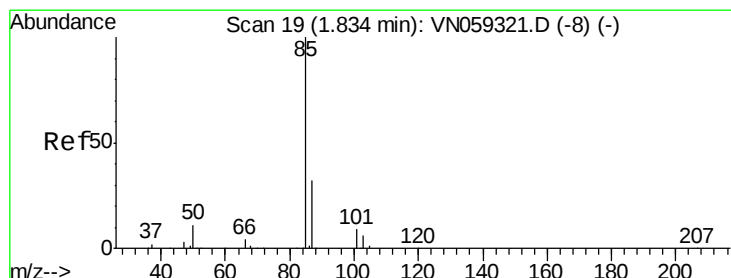
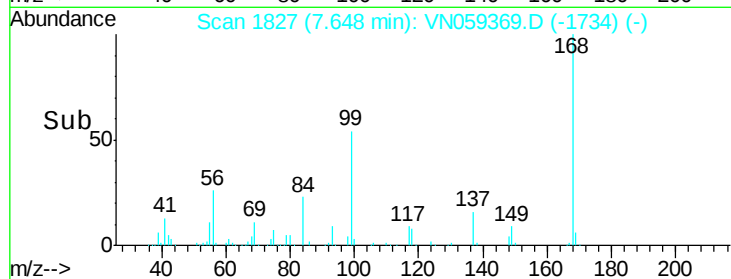
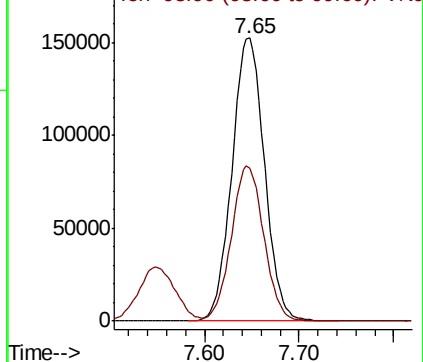
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 19.152 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059369.D

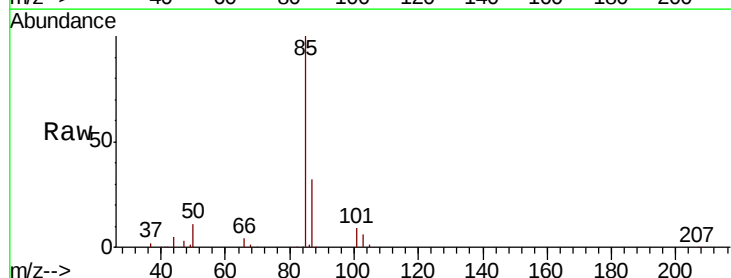
Acq: 22 Nov 2019 16:52

Tgt Ion: 85 Resp: 89279

Ion Ratio Lower Upper

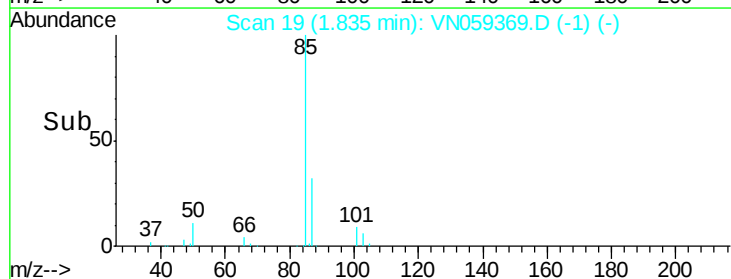
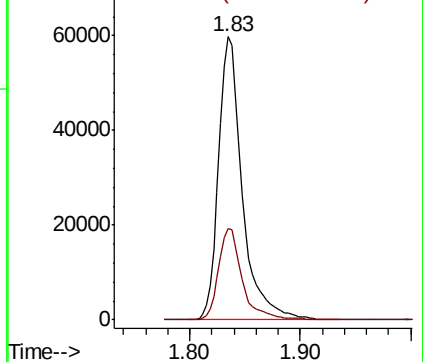
85 100

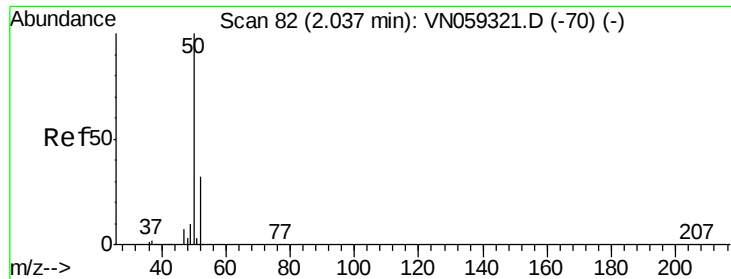
87 32.5 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 18.487 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059369.D

Acq: 22 Nov 2019 16:52

Instrument :

MSVOA_N

ClientSampleId :

VN1122WBSD01

Tot Ion: 50 Resp: 105572

Ion Ratio Lower Upper

50 100

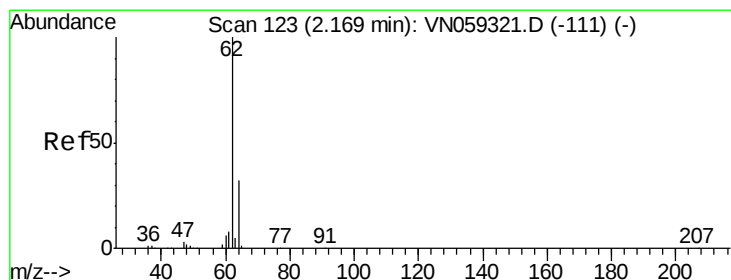
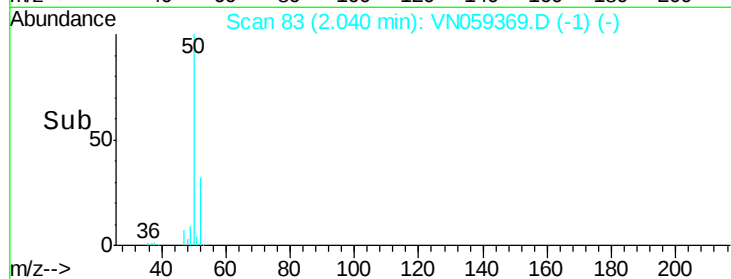
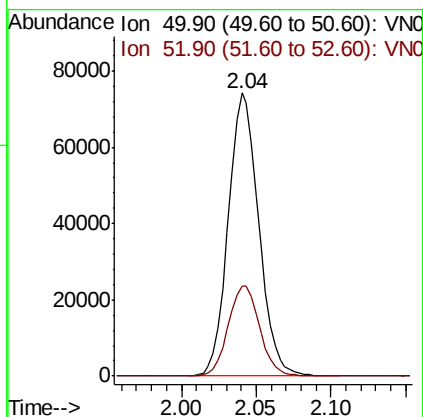
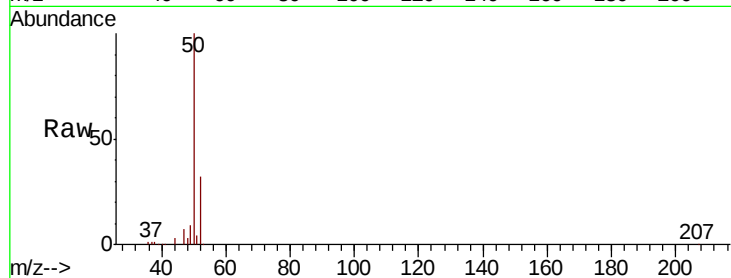
52 31.7 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.388 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059369.D

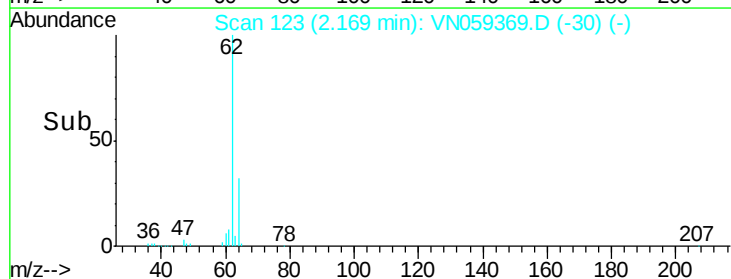
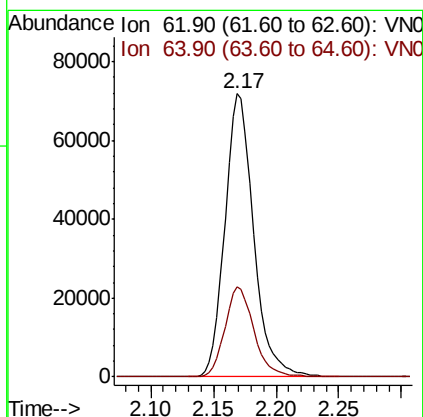
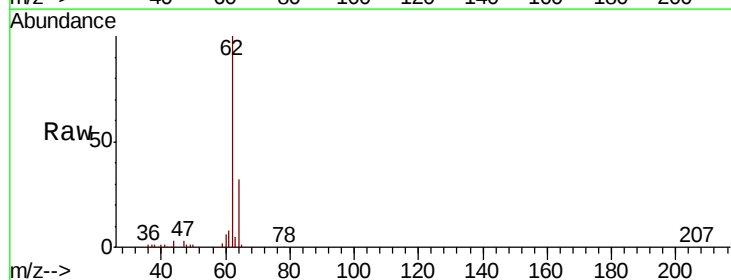
Acq: 22 Nov 2019 16:52

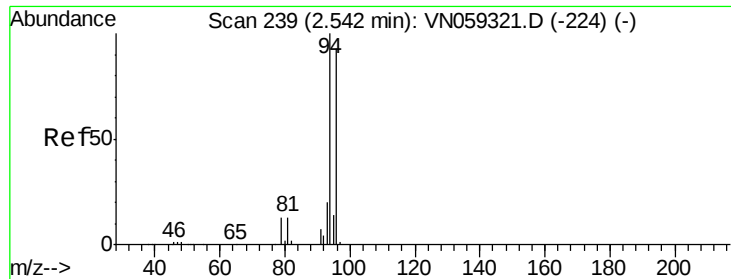
Tgt Ion: 62 Resp: 113990

Ion Ratio Lower Upper

62 100

64 31.7 25.4 38.0





#5

Bromomethane

Concen: 18.583 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN059369.D

Acq: 22 Nov 2019 16:52

Instrument :

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Tot Ion: 94 Resp: 60660

Ion Ratio Lower Upper

94 100

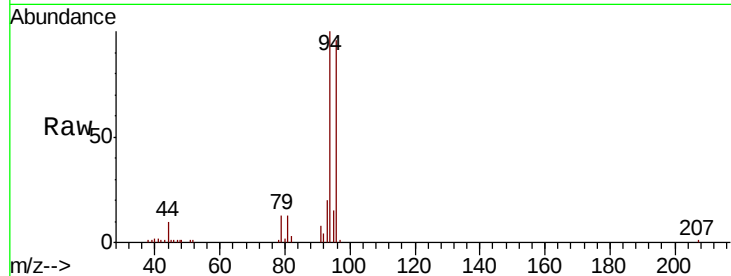
96 95.7 74.5 111.7

Manual Integrations

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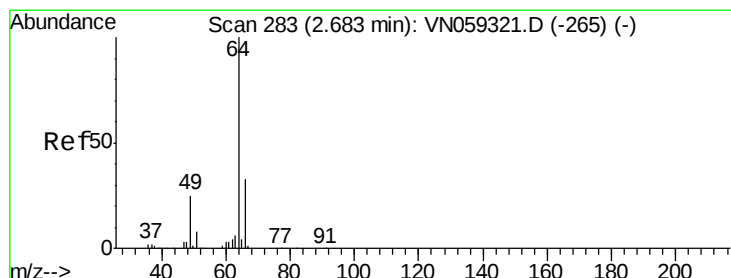
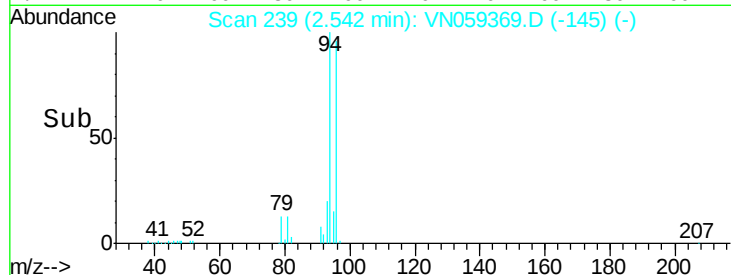
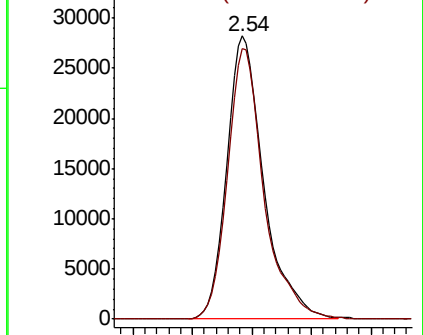
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 18.654 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059369.D

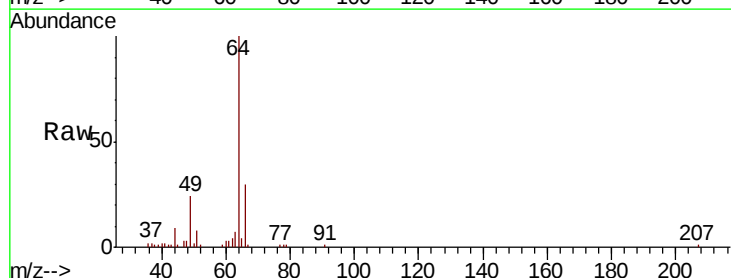
Acq: 22 Nov 2019 16:52

Tgt Ion: 64 Resp: 59859

Ion Ratio Lower Upper

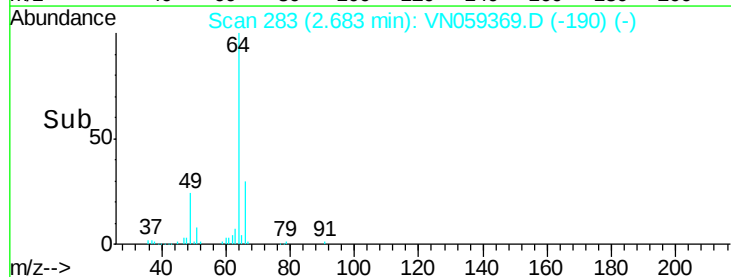
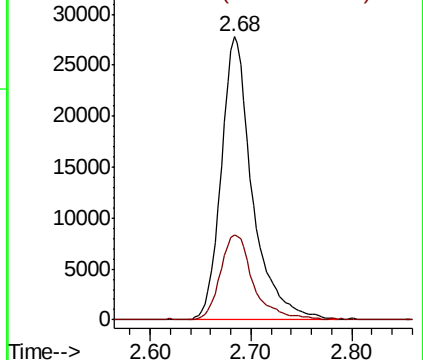
64 100

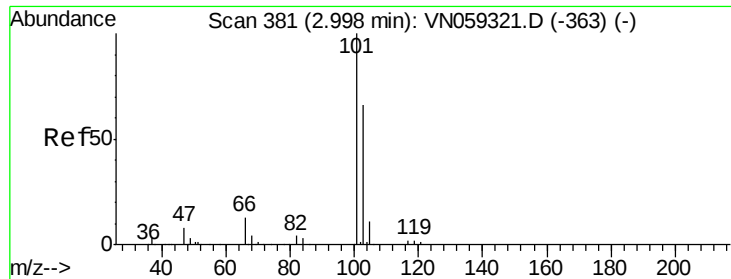
66 30.1 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

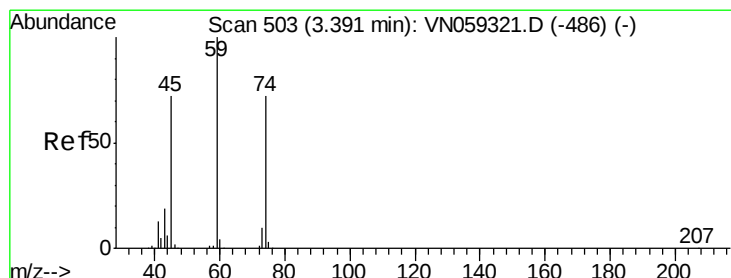
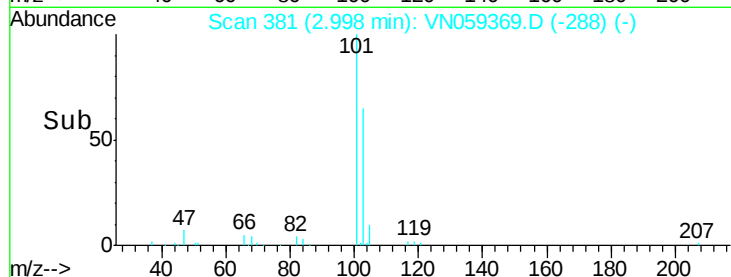
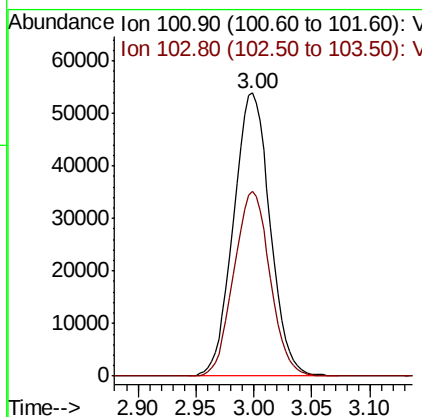
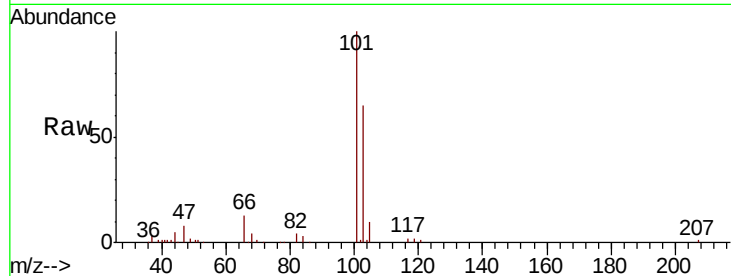
Trichlorofluoromethane
 Concen: 18.610 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VN059369.D
 Acq: 22 Nov 2019 16:52

Instrument :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		117830		
103	65.5	52.5	78.7		

Manual Integrations
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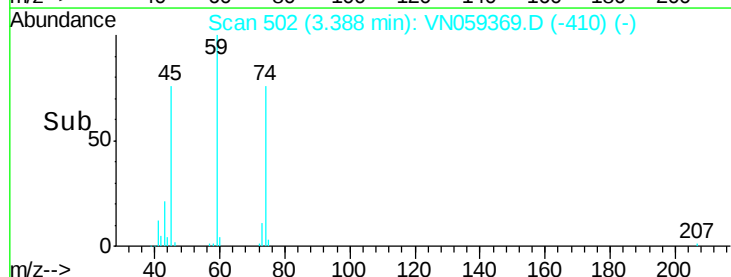
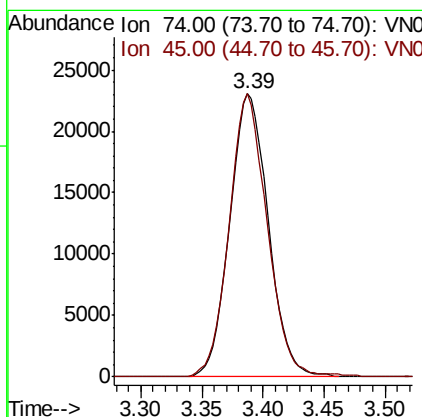
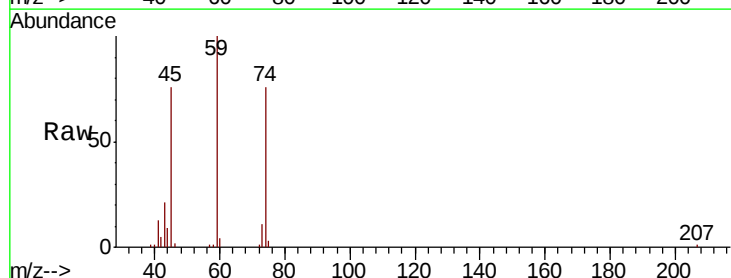
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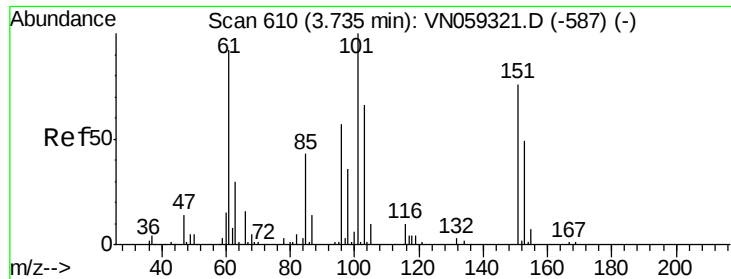


#8

Diethyl Ether
 Concen: 19.515 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN059369.D
 Acq: 22 Nov 2019 16:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		50512		
45	98.5	51.7	155.2		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.587 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN059369.D

Acq: 22 Nov 2019 16:52

Instrument :

MSVOA_N

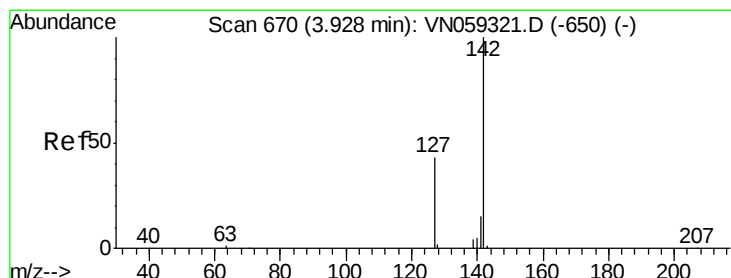
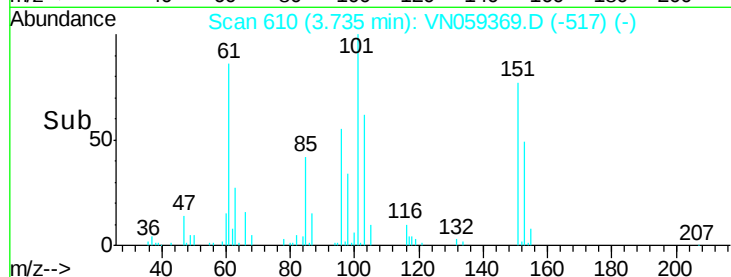
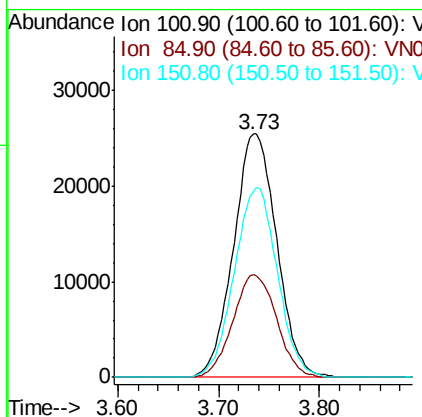
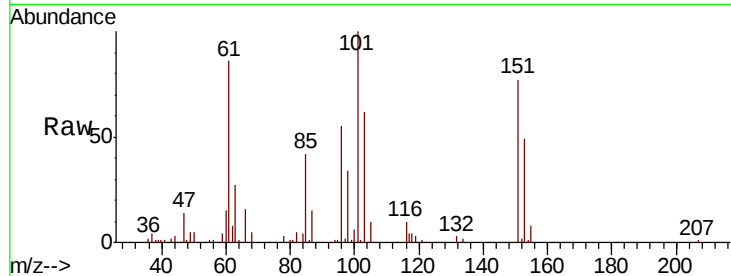
ClientSampleId :

VN1122WBSD01

Tot Ion:	101	Resp:	75833
Ion Ratio	Lower	Upper	
101	100		
85	42.5	34.8	52.2
151	77.6	62.2	93.4

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#10

Methyl Iodide

Concen: 19.610 ug/l

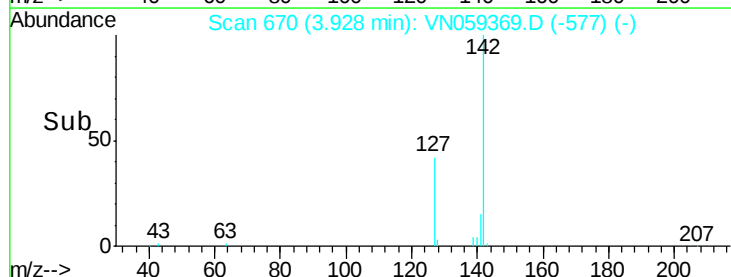
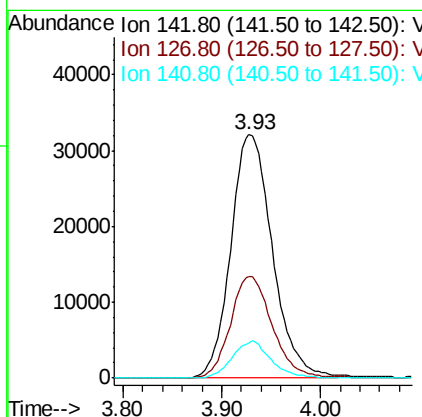
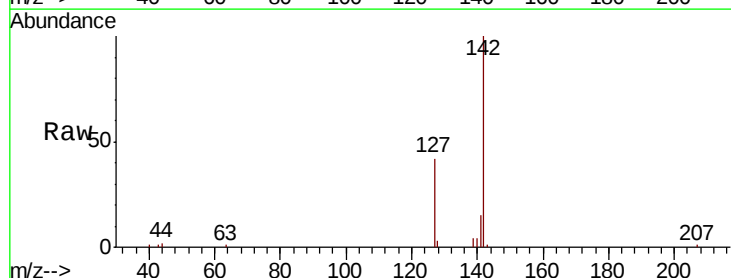
RT: 3.93 min Scan# 670

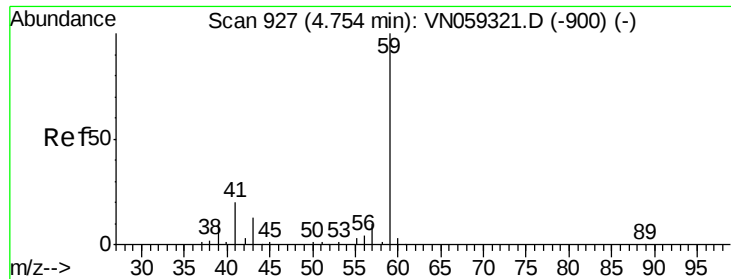
Delta R.T. 0.00 min

Lab File: VN059369.D

Acq: 22 Nov 2019 16:52

Tgt Ion:	142	Resp:	94354
Ion Ratio	Lower	Upper	
142	100		
127	41.6	33.8	50.6
141	14.2	11.2	16.8





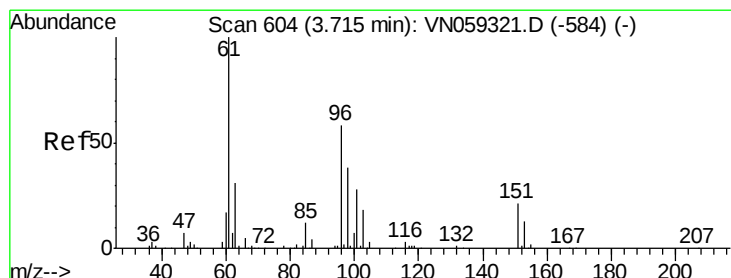
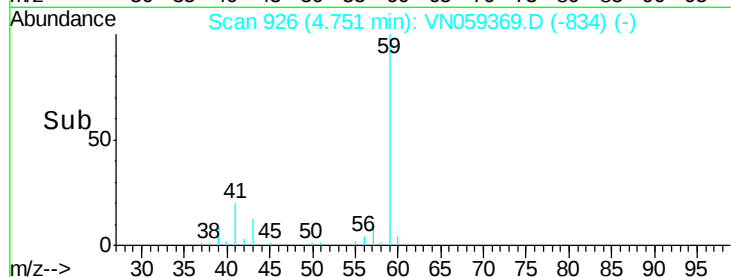
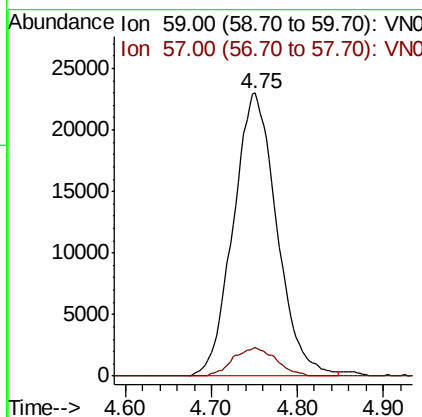
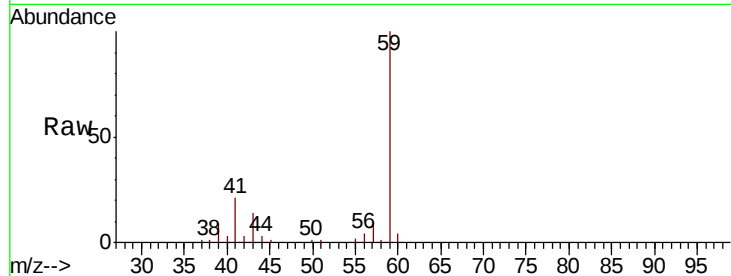
#11
Tert butyl alcohol
Concen: 92.507 ug/l
RT: 4.75 min Scan# 926
Delta R.T. -0.00 min
Lab File: VN059369.D
Acq: 22 Nov 2019 16:52

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.2	12.2

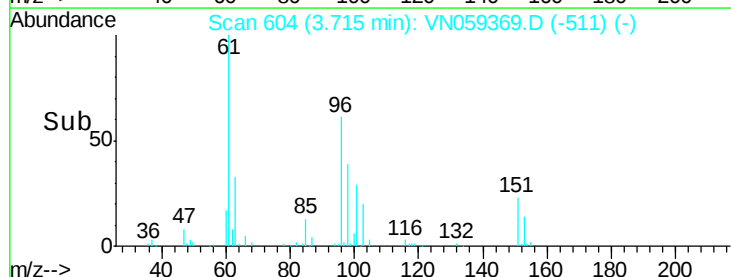
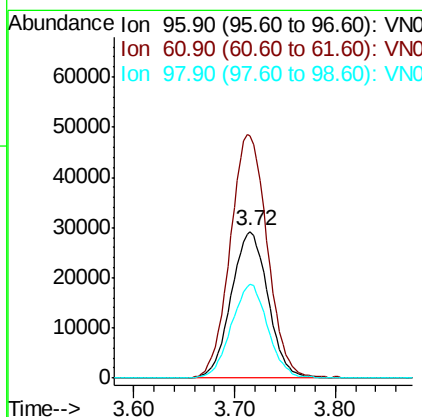
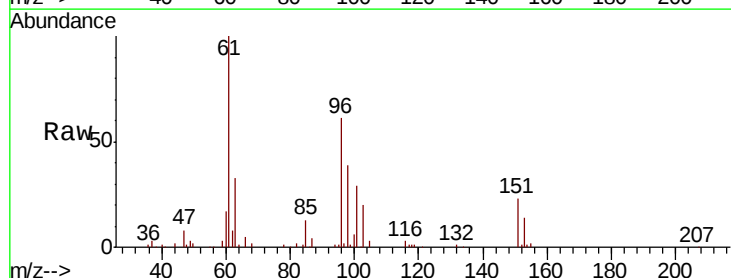
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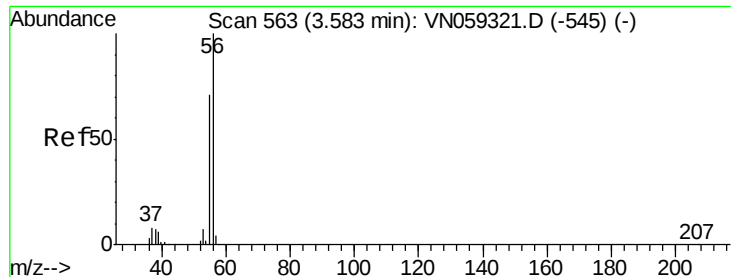
MMDadoda
11/26/2019 2:43:26 PM



#12
1,1-Dichloroethene
Concen: 18.807 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN059369.D
Acq: 22 Nov 2019 16:52

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.9	136.8	205.2
98	64.0	51.6	77.4





#13

Acrolein

Concen: 96.256 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN059369.D

Acq: 22 Nov 2019 16:52

Instrument :

MSVOA_N

ClientSampleId :

VN1122WBSD01

Tot Ion: 56 Resp: 76857

Ion Ratio Lower Upper

56 100

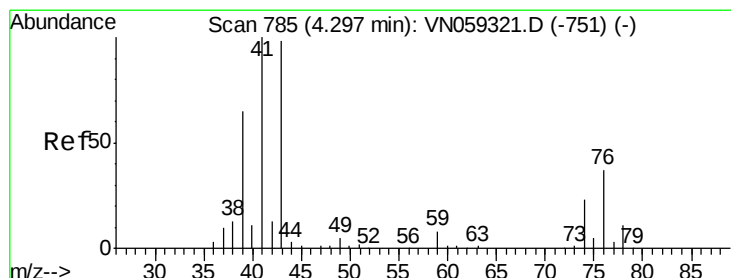
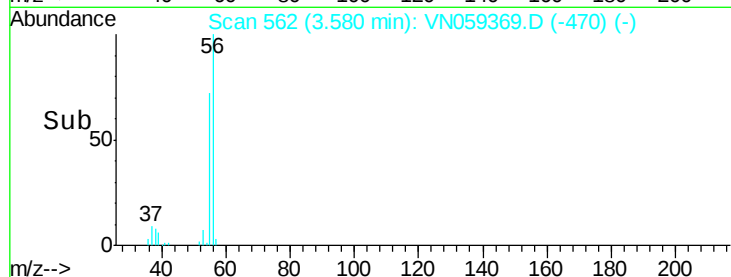
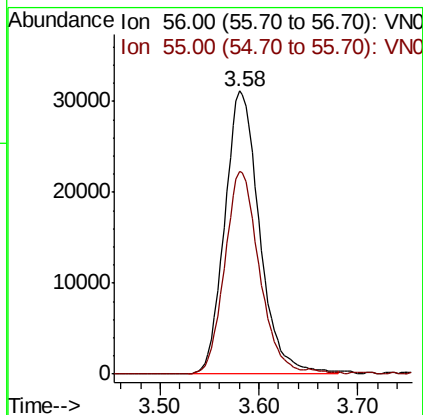
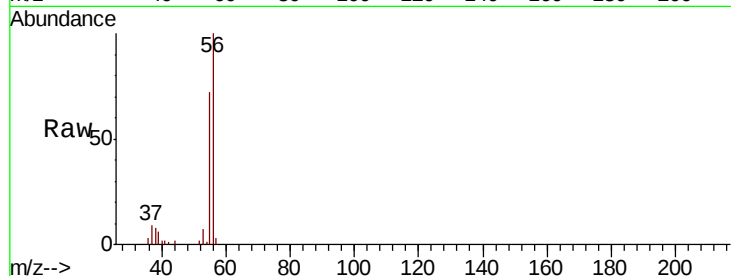
55 70.9 57.4 86.0

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#14

Allyl chloride

Concen: 18.870 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN059369.D

Acq: 22 Nov 2019 16:52

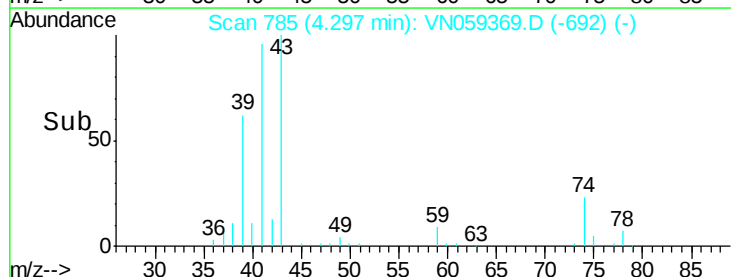
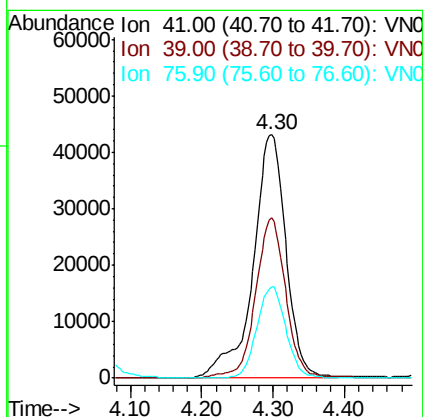
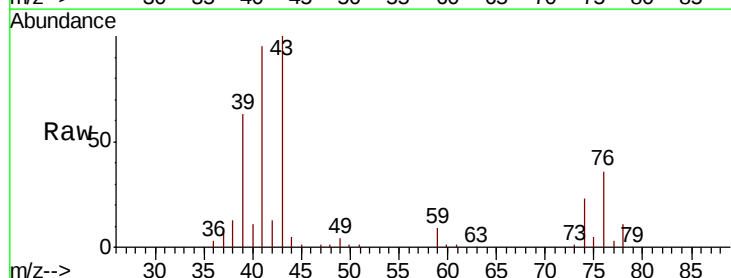
Tgt Ion: 41 Resp: 138531

Ion Ratio Lower Upper

41 100

39 59.8 48.4 72.6

76 32.8 26.2 39.4





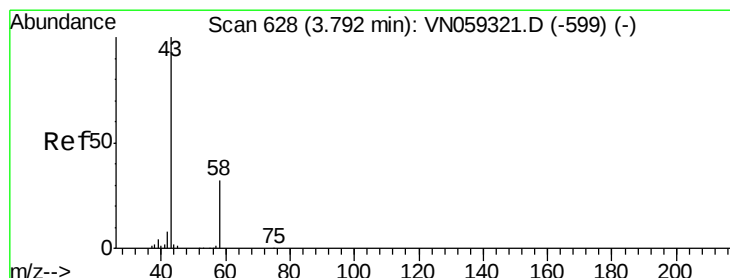
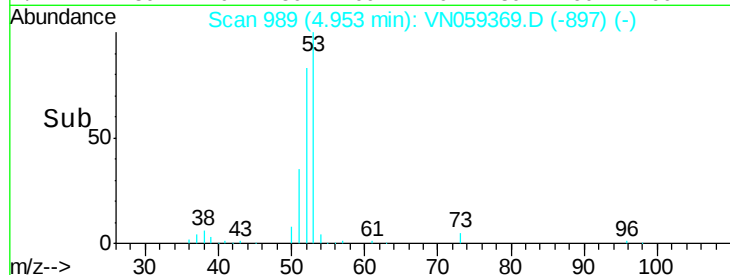
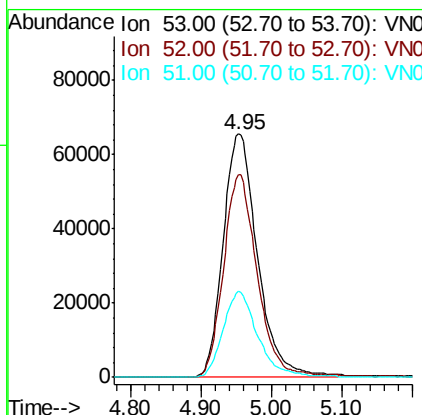
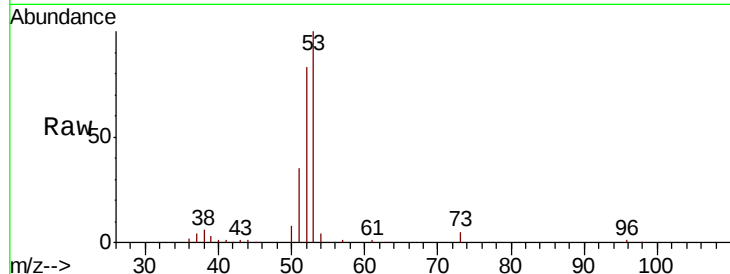
#15
 Acrylonitrile
 Concen: 96.706 ug/l
 RT: 4.95 min Scan# 989
 Delta R.T. -0.00 min
 Lab File: VN059369.D
 Acq: 22 Nov 2019 16:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1122WBSD01

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.3	65.8	98.8
51	35.5	28.2	42.2

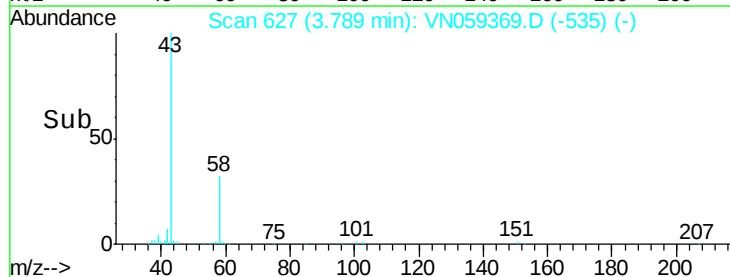
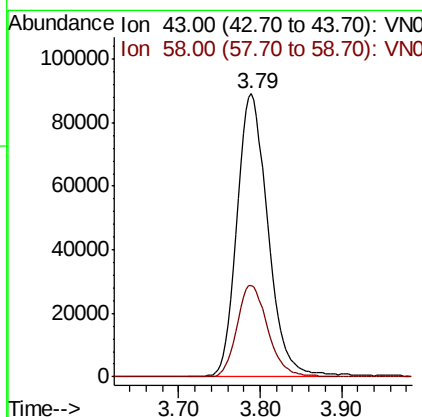
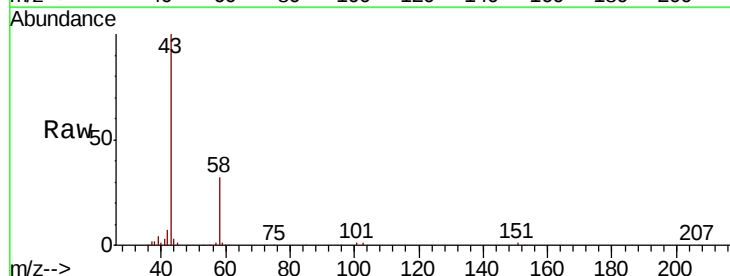
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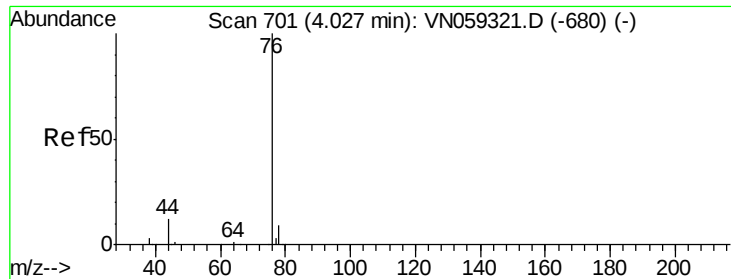
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#16
 Acetone
 Concen: 119.591 ug/l
 RT: 3.79 min Scan# 627
 Delta R.T. -0.00 min
 Lab File: VN059369.D
 Acq: 22 Nov 2019 16:52

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.5	25.8	38.6





#17

Carbon Disulfide

Concen: 18.649 ug/l

RT: 4.03 min Scan# 701

Delta R.T. 0.00 min

Lab File: VN059369.D

Acq: 22 Nov 2019 16:52

Instrument :

MSVOA_N

ClientSampleId :

VN1122WBSD01

Tot Ion: 76 Resp: 228605

Ion Ratio Lower Upper

76 100

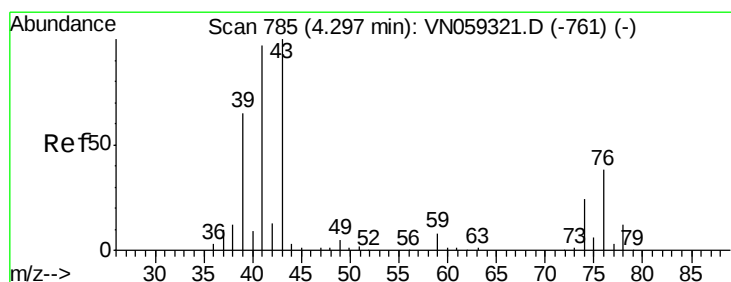
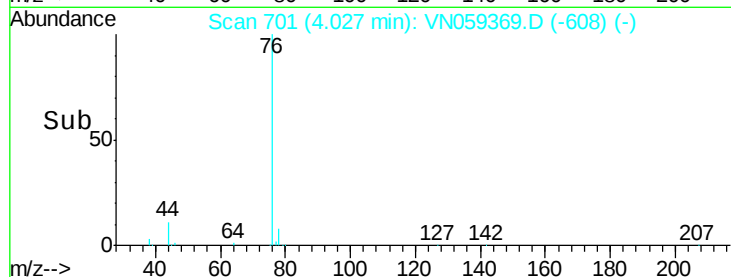
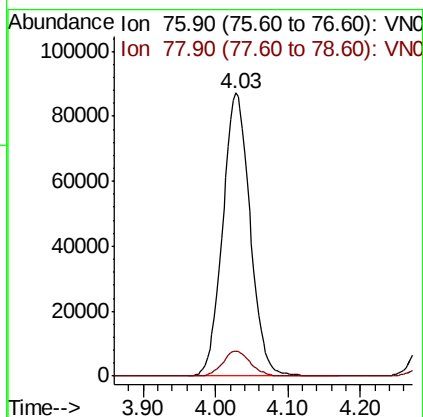
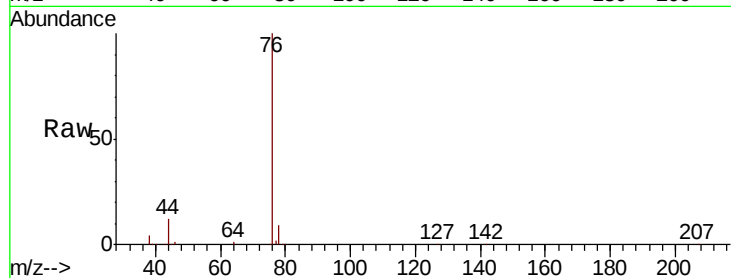
78 9.0 7.2 10.8

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#18

Methyl Acetate

Concen: 19.637 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN059369.D

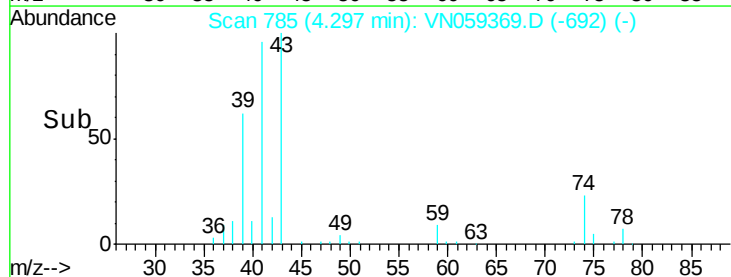
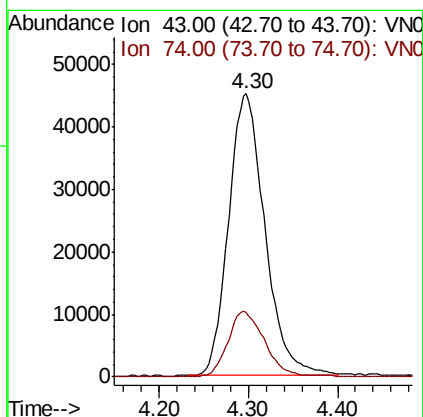
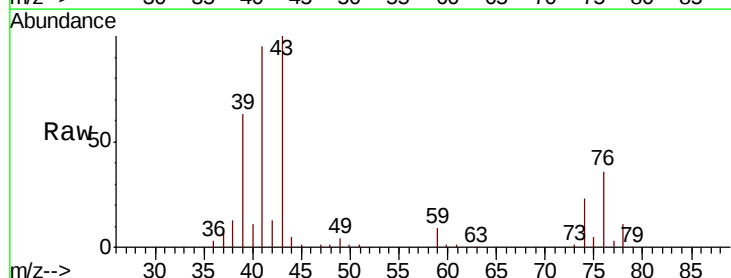
Acq: 22 Nov 2019 16:52

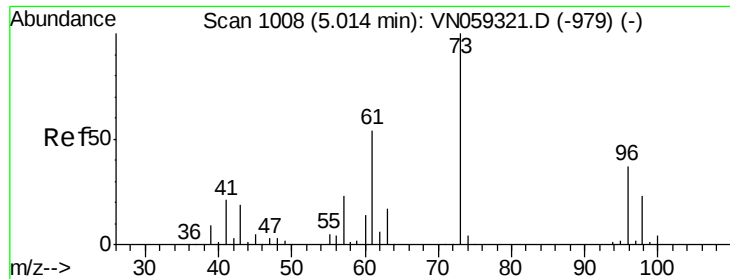
Tgt Ion: 43 Resp: 127662

Ion Ratio Lower Upper

43 100

74 23.2 18.1 27.1





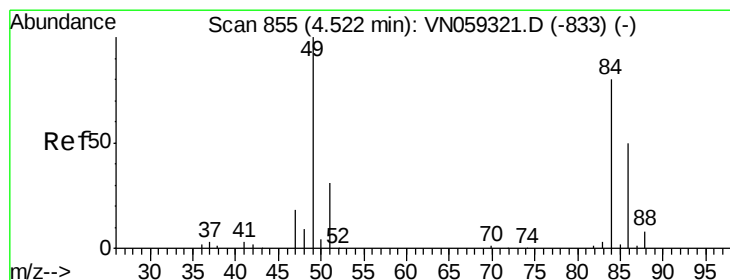
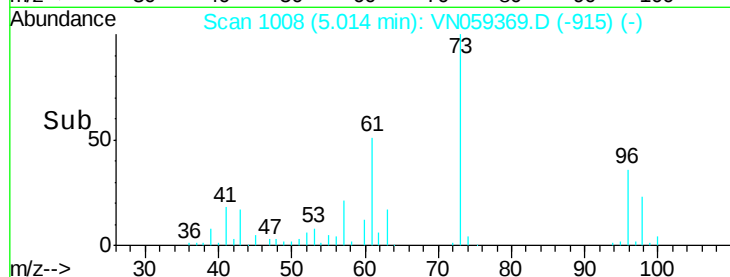
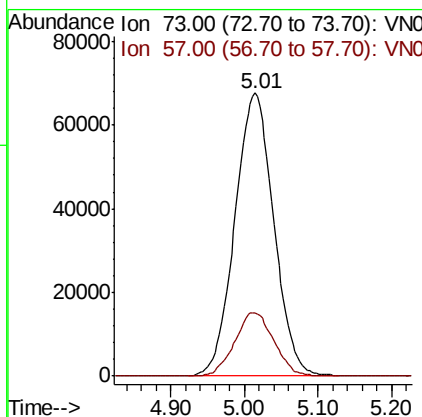
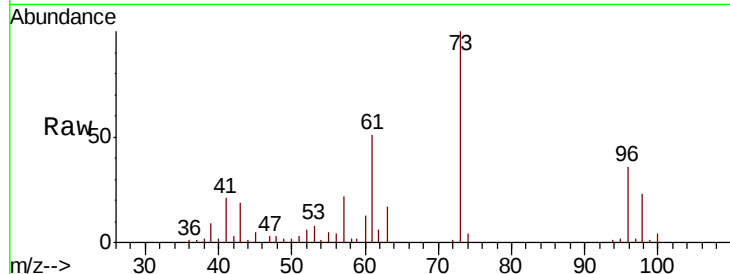
#19
Methyl tert-butyl Ether
Concen: 19.562 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN059369.D
Acq: 22 Nov 2019 16:52

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBSD01

Tot Ion: 73 Resp: 248296
Ion Ratio Lower Upper
73 100
57 22.1 18.4 27.6

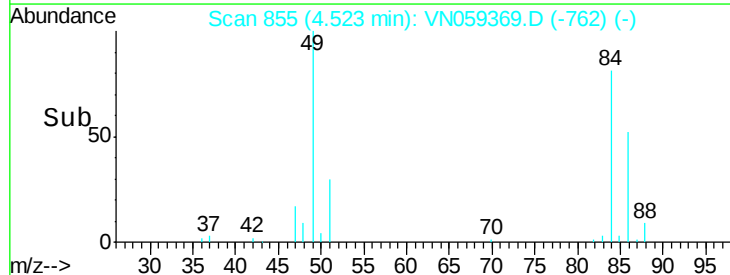
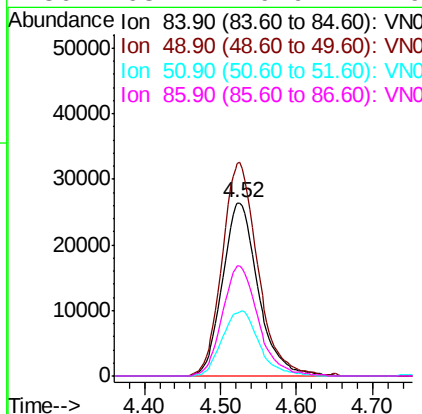
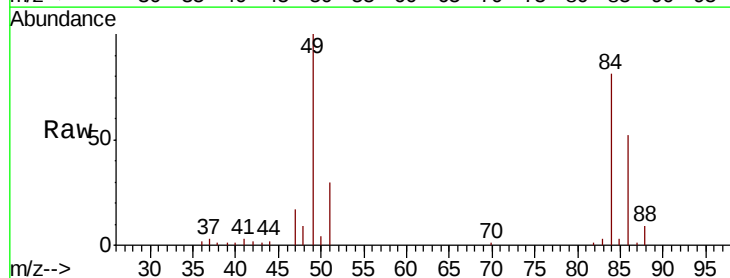
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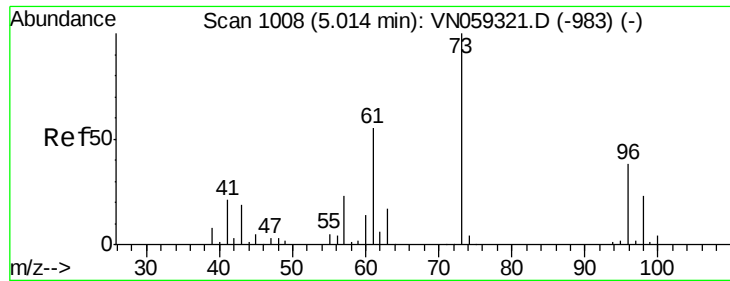
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#20
Methylene Chloride
Concen: 19.509 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059369.D
Acq: 22 Nov 2019 16:52

Tgt Ion: 84 Resp: 86190
Ion Ratio Lower Upper
84 100
49 122.9 99.5 149.3
51 36.4 31.1 46.7
86 63.4 49.9 74.9





#21

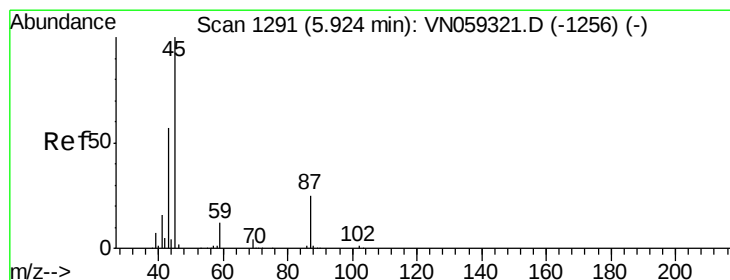
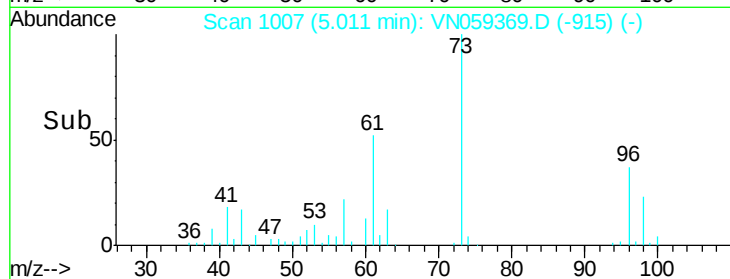
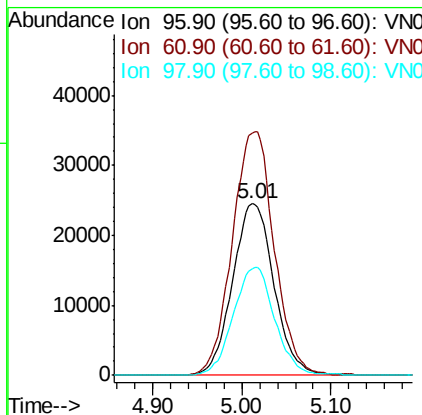
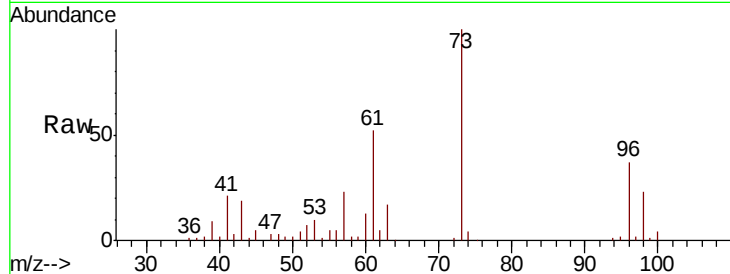
trans-1,2-Dichloroethene
Concen: 18.978 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059369.D
Acq: 22 Nov 2019 16:52

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.6	116.4	174.6
98	62.1	49.6	74.4

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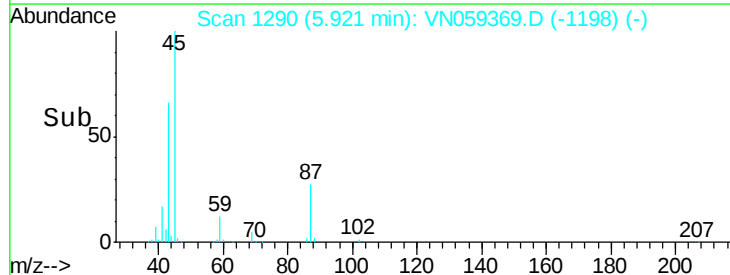
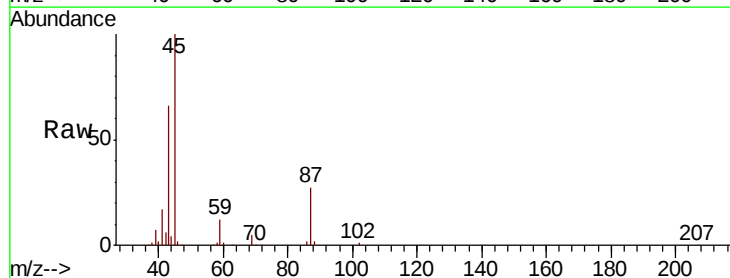
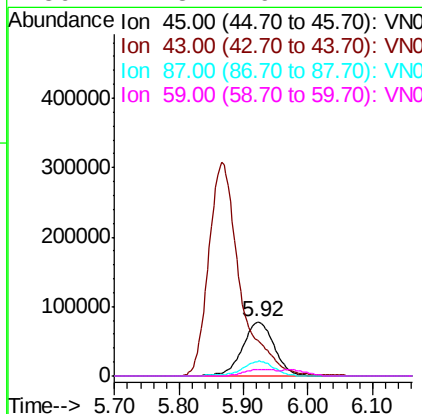
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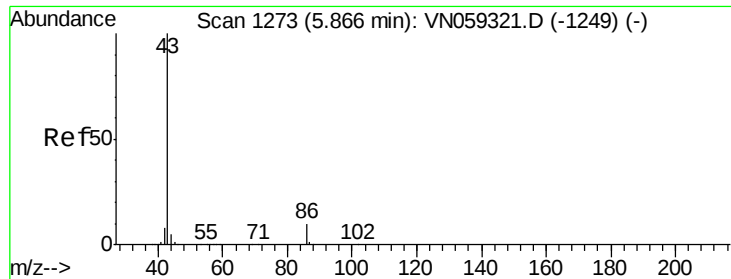


#22

Diisopropyl ether
Concen: 19.352 ug/l
RT: 5.92 min Scan# 1290
Delta R.T. -0.00 min
Lab File: VN059369.D
Acq: 22 Nov 2019 16:52

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.8	47.6	71.4
87	27.2	20.7	31.1
59	11.8	9.4	14.2





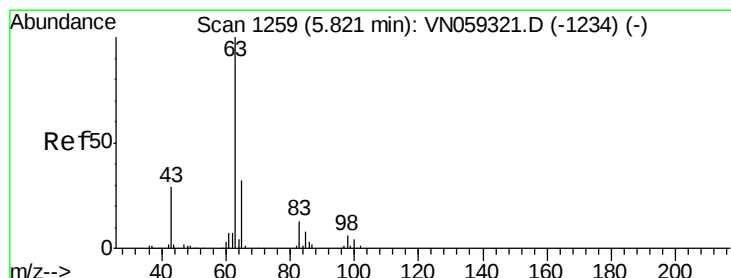
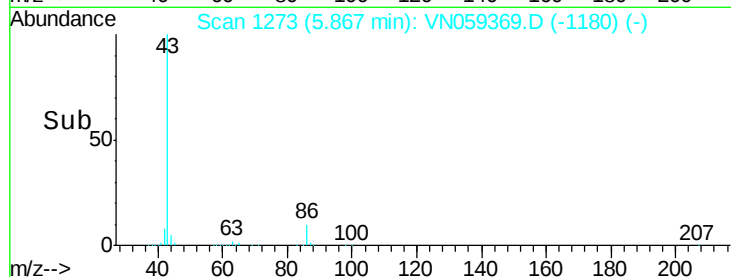
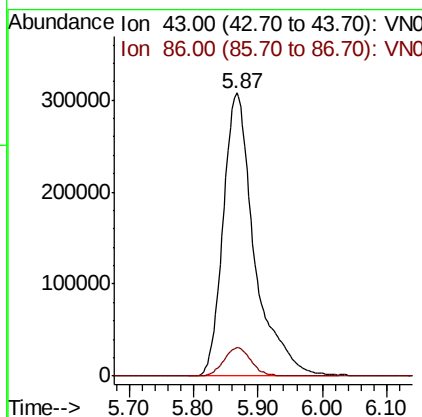
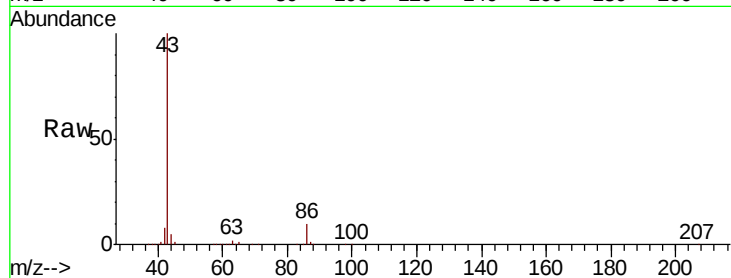
#23
 Vinyl Acetate
 Concen: 95.591 ug/l
 RT: 5.87 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VN059369.D
 Acq: 22 Nov 2019 16:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1122WBSD01

Tot Ion: 43 Resp: 1039047
 Ion Ratio Lower Upper
 43 100
 86 9.9 8.0 12.0

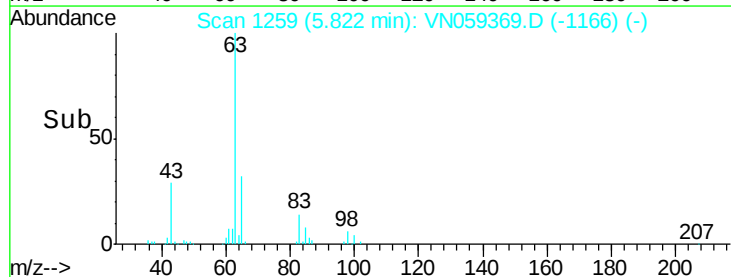
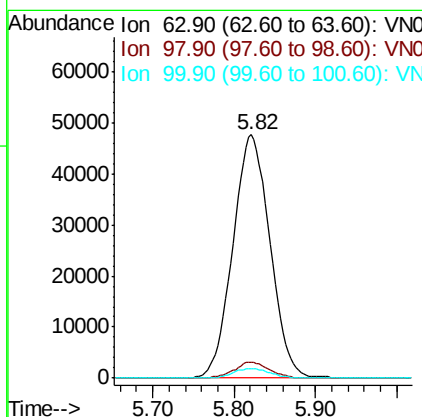
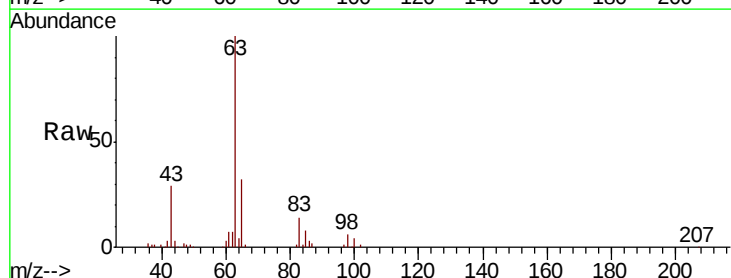
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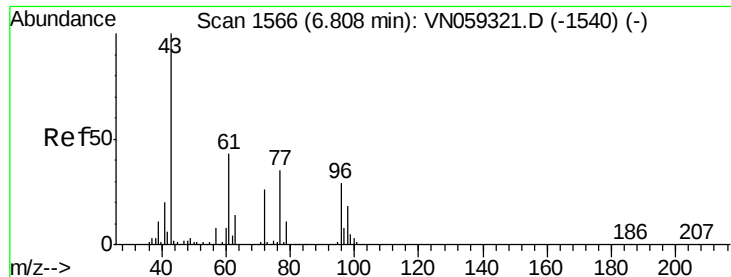
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 19.337 ug/l
 RT: 5.82 min Scan# 1259
 Delta R.T. 0.00 min
 Lab File: VN059369.D
 Acq: 22 Nov 2019 16:52

Tgt Ion: 63 Resp: 150448
 Ion Ratio Lower Upper
 63 100
 98 6.5 2.9 8.8
 100 4.1 1.9 5.7





#25

2-Butanone

Concen: 102.967 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN059369.D

Acq: 22 Nov 2019 16:52

Instrument :

MSVOA_N

ClientSampleId :

VN1122WBSD01

Tot Ion: 43 Resp: 313646

Ion Ratio Lower Upper

43 100

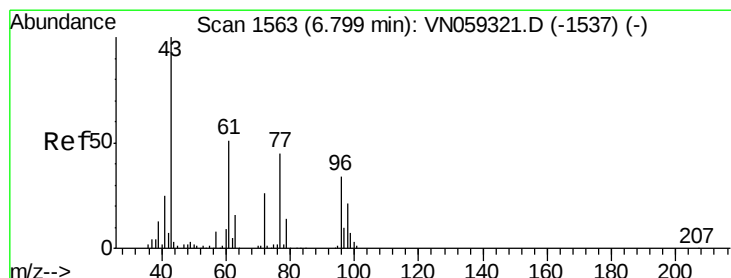
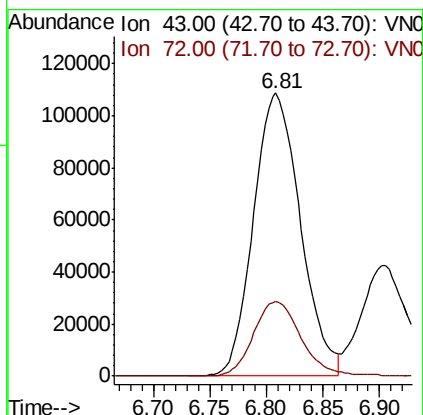
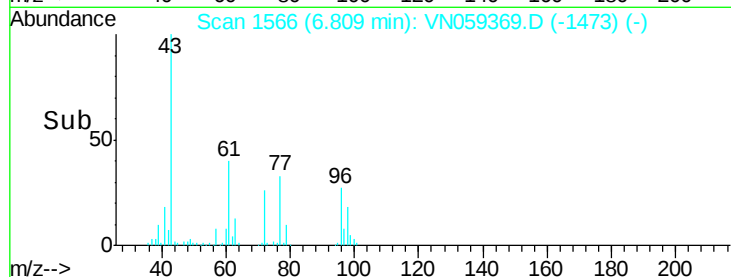
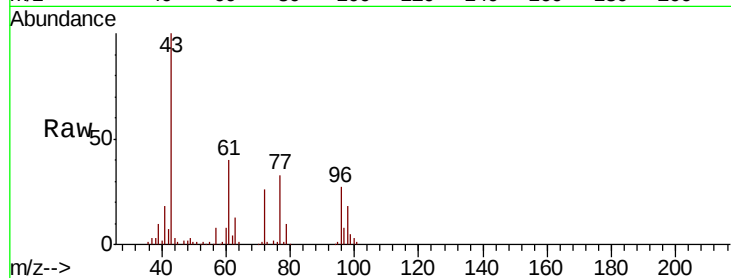
72 26.4 20.5 30.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.752 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN059369.D

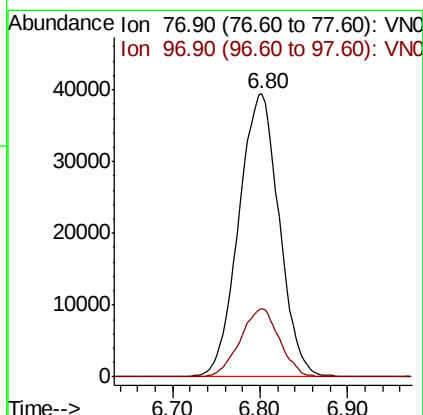
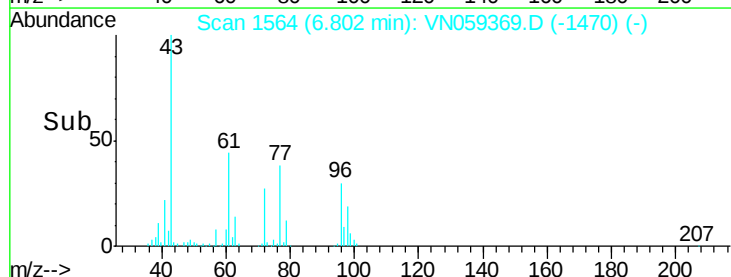
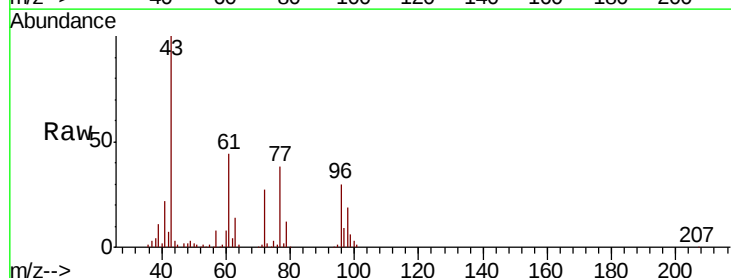
Acq: 22 Nov 2019 16:52

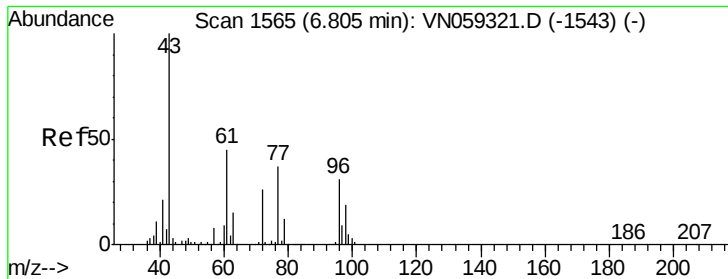
Tgt Ion: 77 Resp: 126329

Ion Ratio Lower Upper

77 100

97 23.4 11.5 34.4





#27

cis-1,2-Dichloroethene

Concen: 19.060 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059369.D

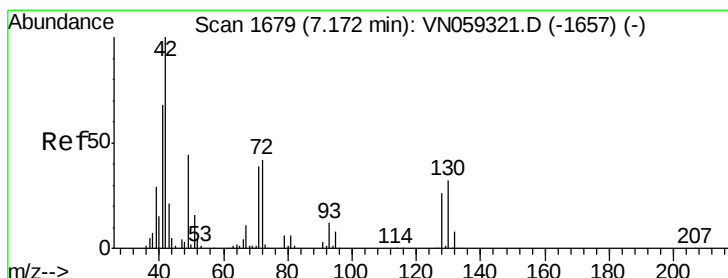
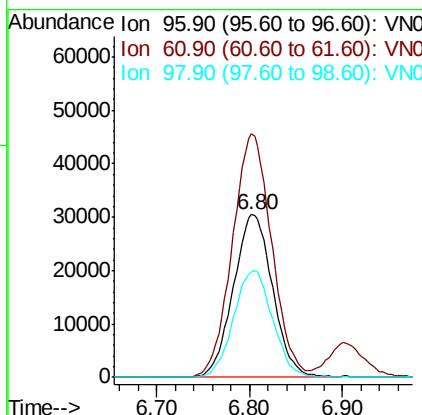
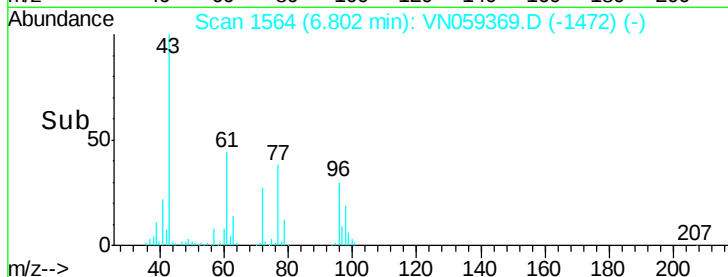
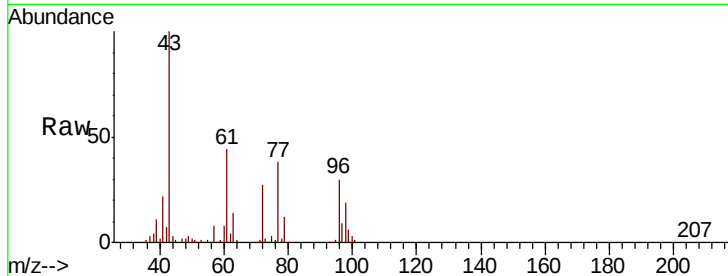
Acq: 22 Nov 2019 16:52

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	149.8	0.0	304.0	
98	65.0	0.0	128.4	

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#28

Bromochloromethane

Concen: 19.991 ug/l

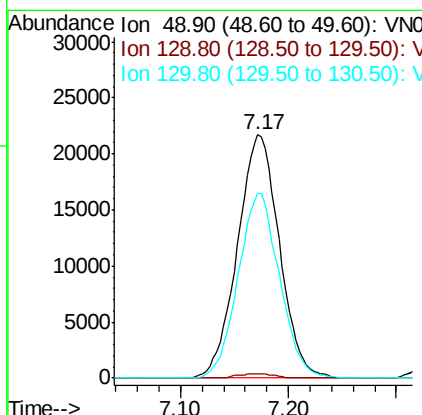
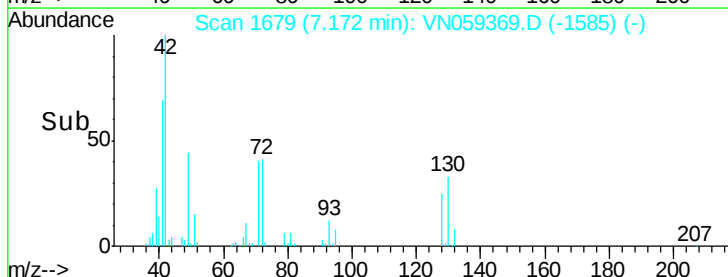
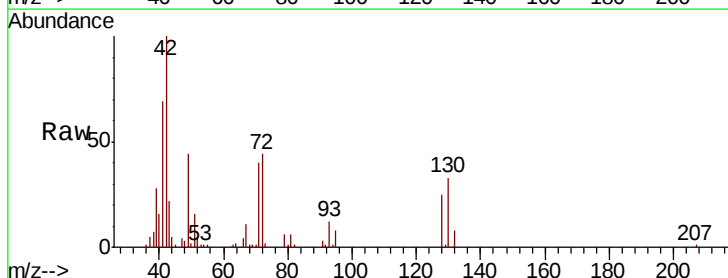
RT: 7.17 min Scan# 1679

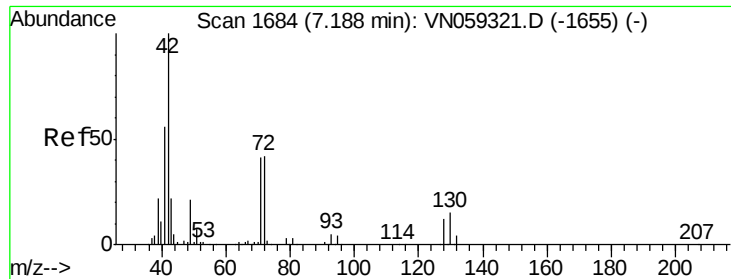
Delta R.T. 0.00 min

Lab File: VN059369.D

Acq: 22 Nov 2019 16:52

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.5	0.0	3.8	
130	74.9	57.0	85.6	





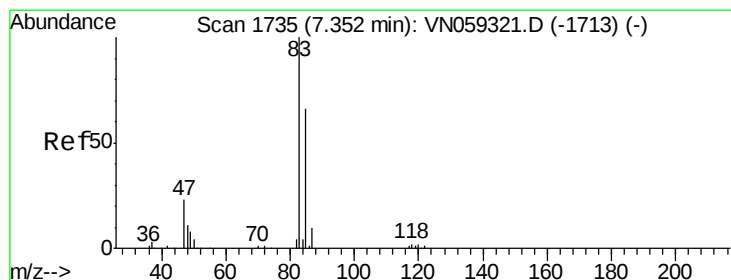
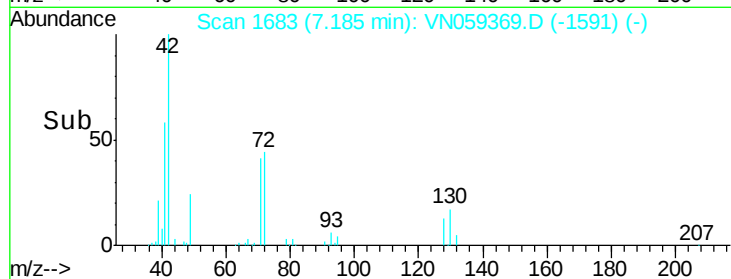
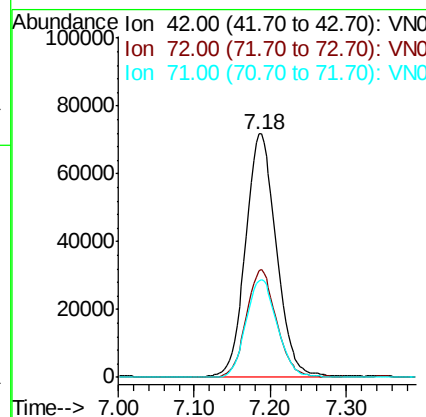
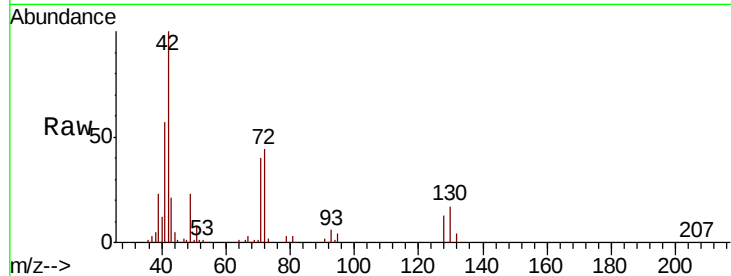
#29
Tetrahydrofuran
Concen: 96.506 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN059369.D
Acq: 22 Nov 2019 16:52

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.9	34.2	51.2
71	40.4	32.6	48.8

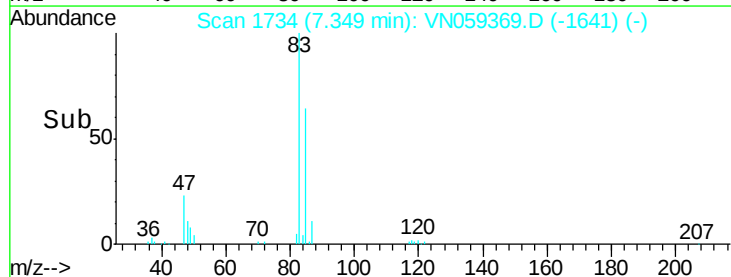
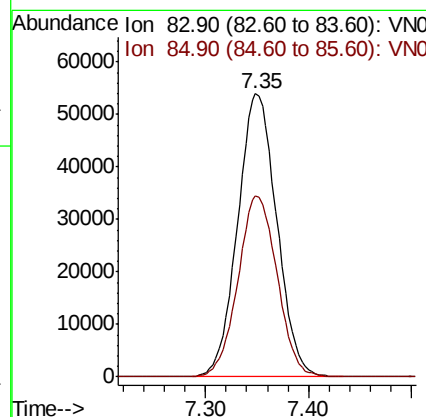
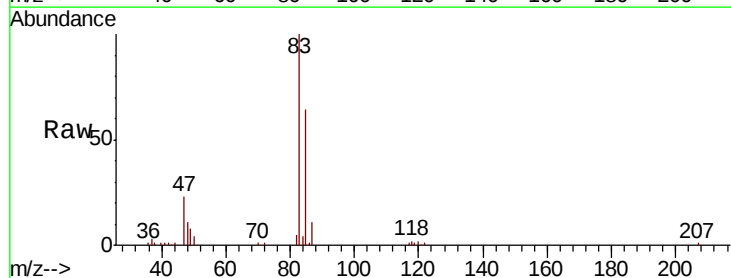
Manual Integrations
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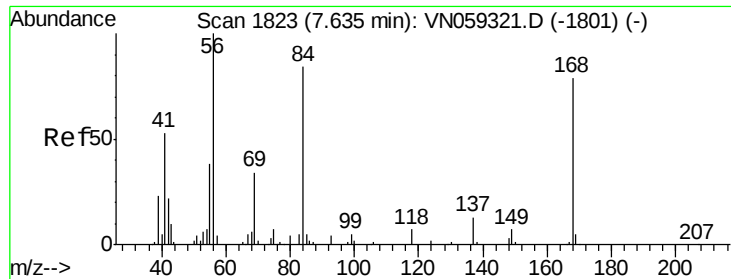
MMDadoda
11/26/2019 2:43:26 PM



#30
Chloroform
Concen: 18.741 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN059369.D
Acq: 22 Nov 2019 16:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	52.7	79.1





#31

Cyclohexane

Concen: 18.779 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN059369.D

Acq: 22 Nov 2019 16:52

Instrument :

MSVOA_N

ClientSampleId :

VN1122WBSD01

Tot Ion: 56 Resp: 144462

Ion Ratio Lower Upper

56 100

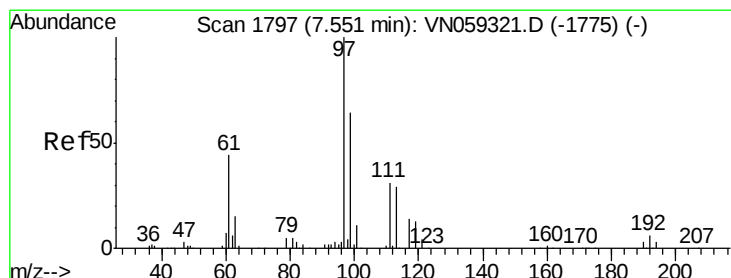
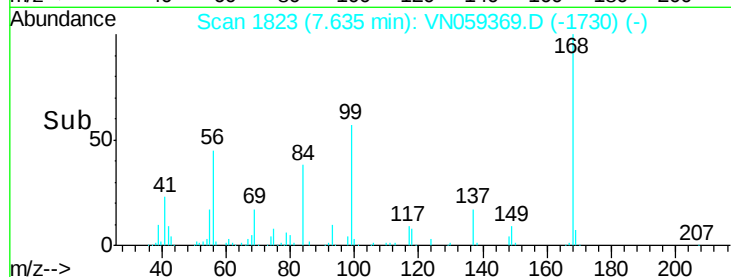
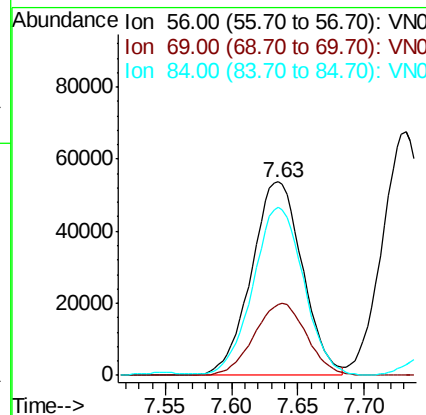
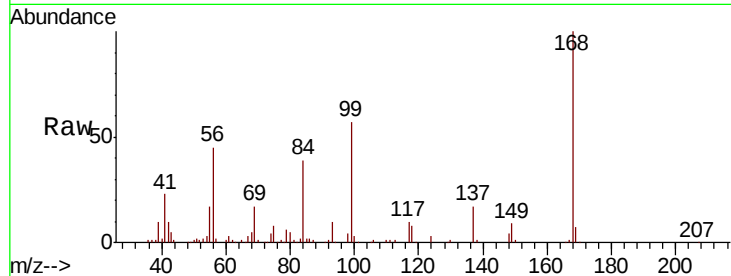
69 36.9 26.6 40.0

84 86.2 67.0 100.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.181 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN059369.D

Acq: 22 Nov 2019 16:52

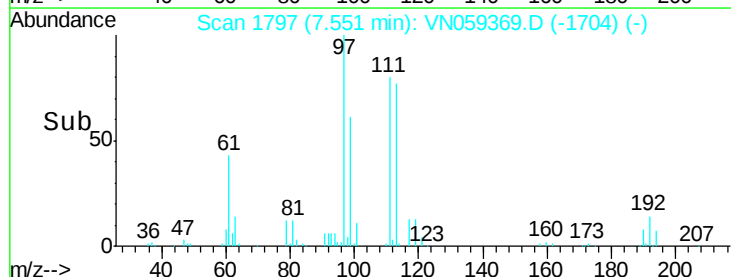
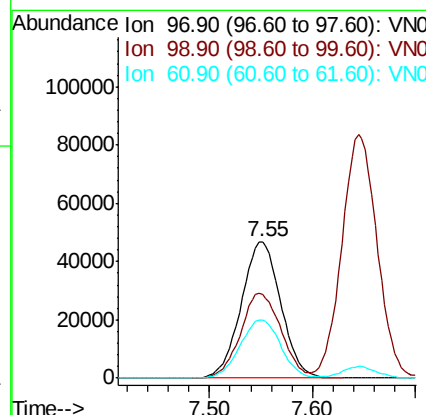
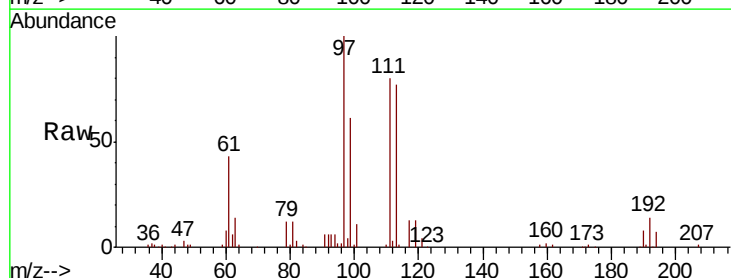
Tgt Ion: 97 Resp: 124427

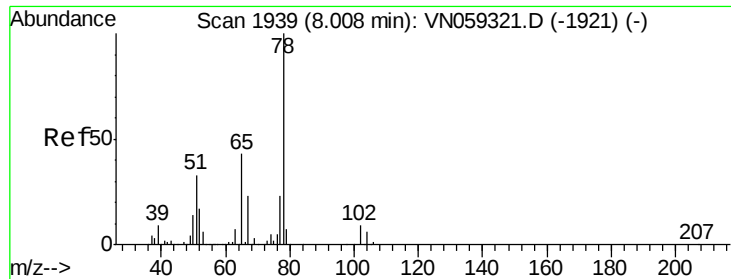
Ion Ratio Lower Upper

97 100

99 63.9 51.3 76.9

61 44.0 35.3 52.9





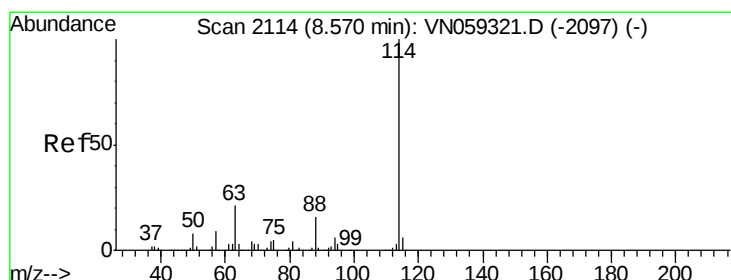
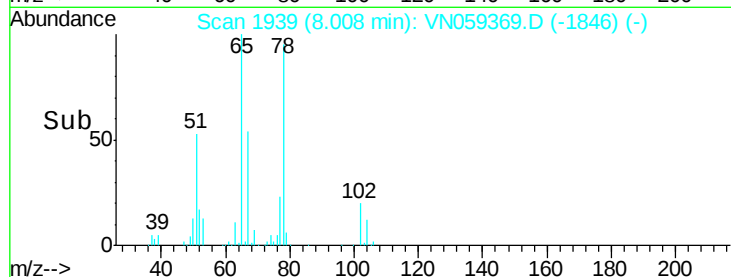
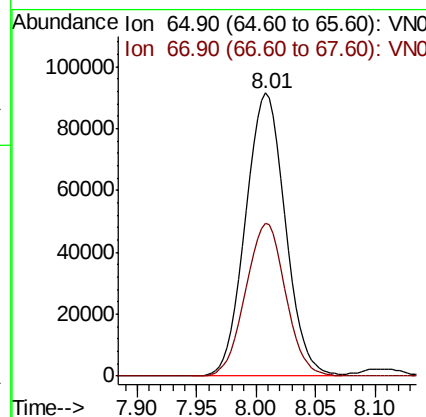
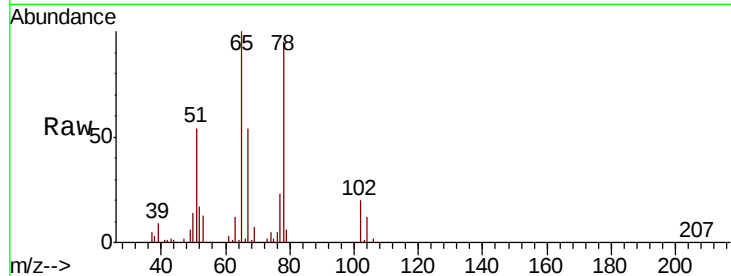
#33
 1,2-Dichloroethane-d4
 Concen: 48.625 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN059369.D
 Acq: 22 Nov 2019 16:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1122WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	212434		
67	54.3	0.0	109.4	

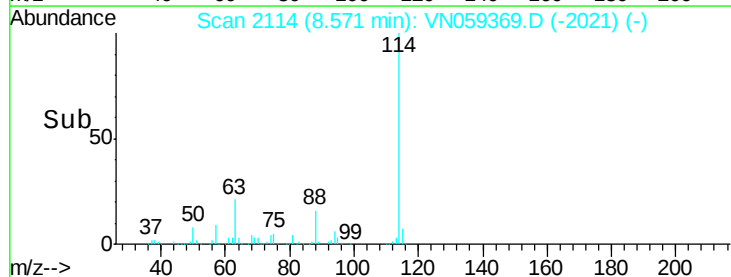
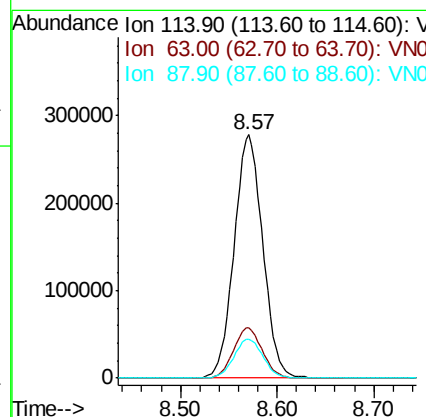
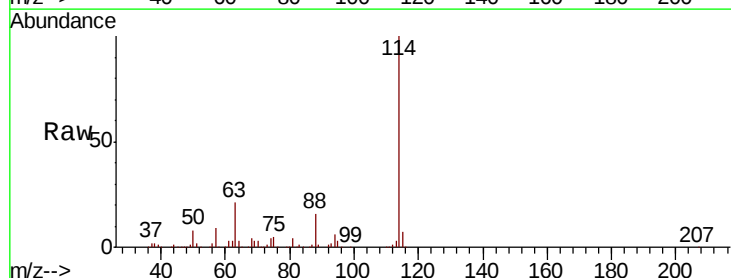
Manual Integrations
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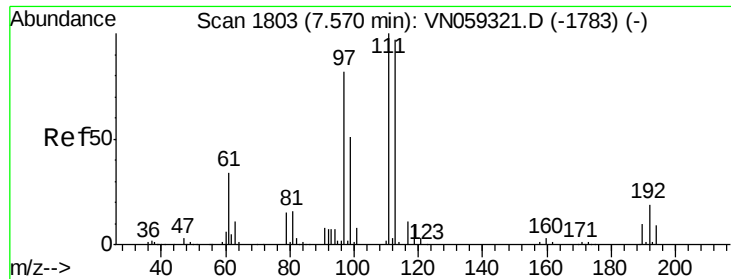
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059369.D
 Acq: 22 Nov 2019 16:52

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	571251		
63	20.8	0.0	42.2	
88	16.1	0.0	32.2	





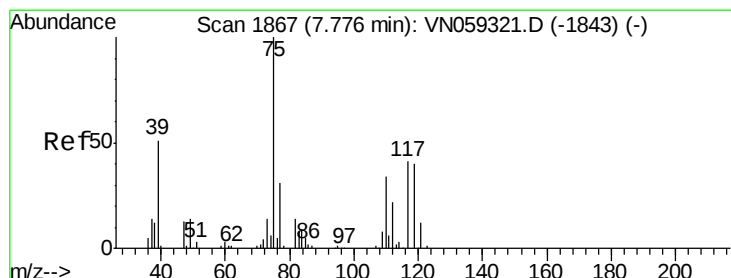
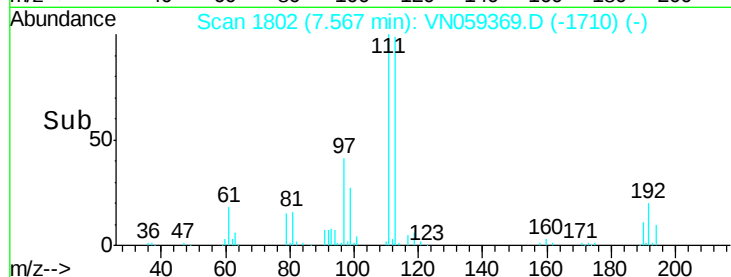
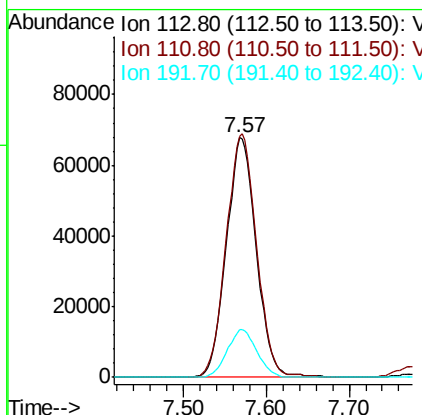
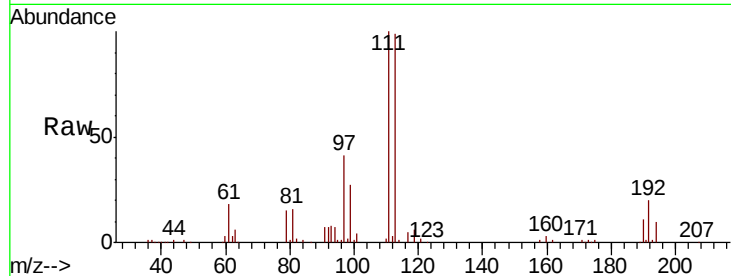
#35
 Dibromofluoromethane
 Concen: 49.679 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN059369.D
 Acq: 22 Nov 2019 16:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1122WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	170260		
111	103.1	82.7	124.1	
192	19.7	16.3	24.5	

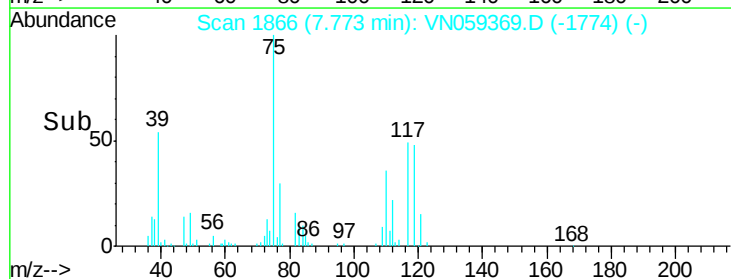
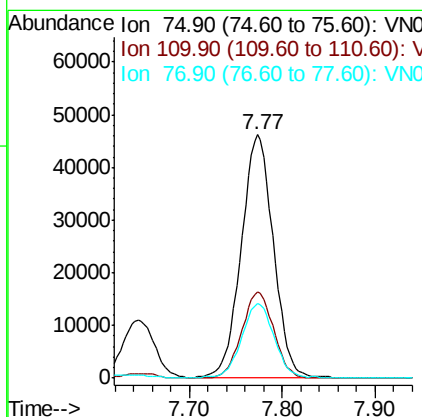
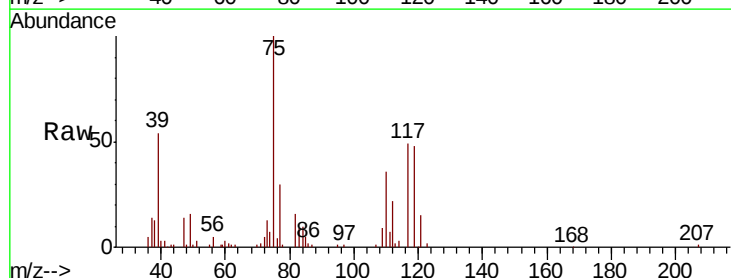
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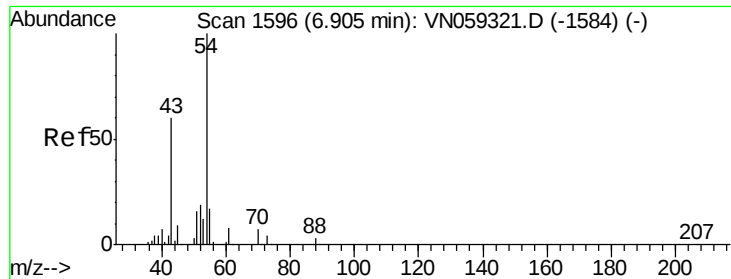
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#36
 1,1-Dichloropropene
 Concen: 18.925 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN059369.D
 Acq: 22 Nov 2019 16:52

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	111608		
110	34.9	17.0	51.0	
77	30.9	24.8	37.2	





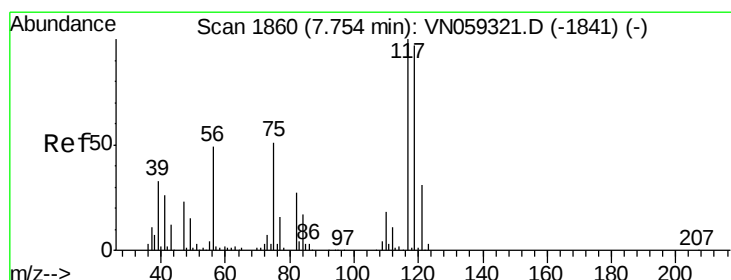
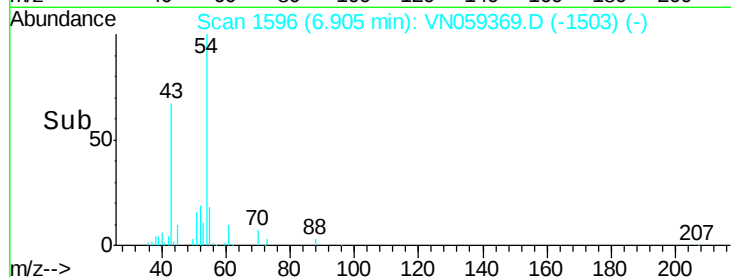
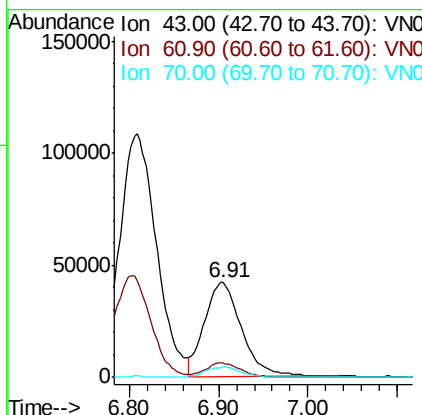
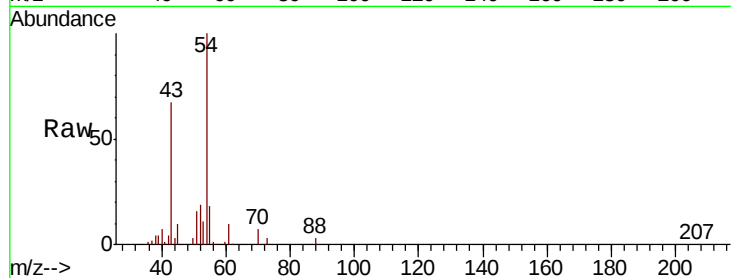
#37
Ethyl Acetate
Concen: 19.283 ug/l
RT: 6.91 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN059369.D
Acq: 22 Nov 2019 16:52

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.0	16.6
70	10.5	8.8	13.2

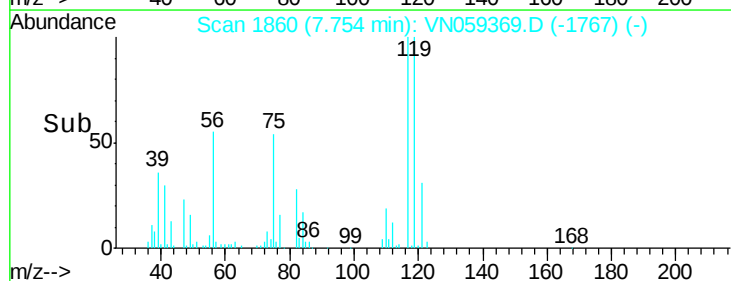
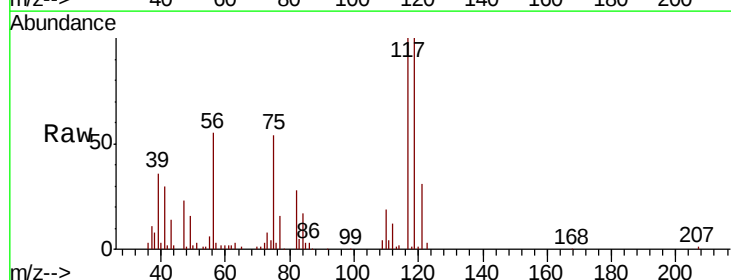
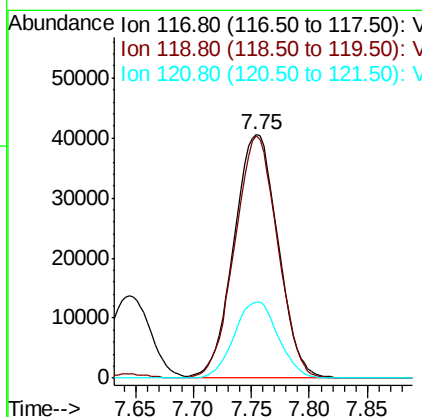
Manual Integrations
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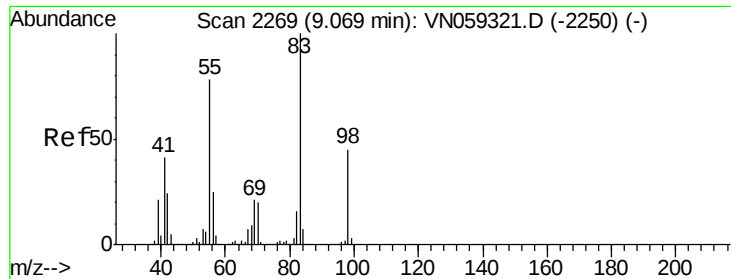
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.050 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059369.D
Acq: 22 Nov 2019 16:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.8	77.0	115.4
121	31.3	24.4	36.6





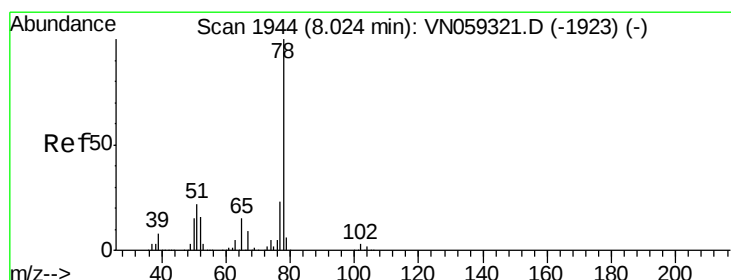
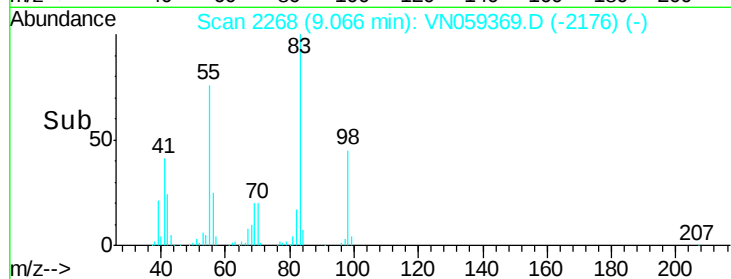
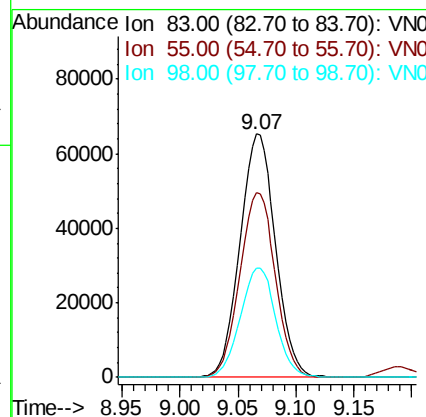
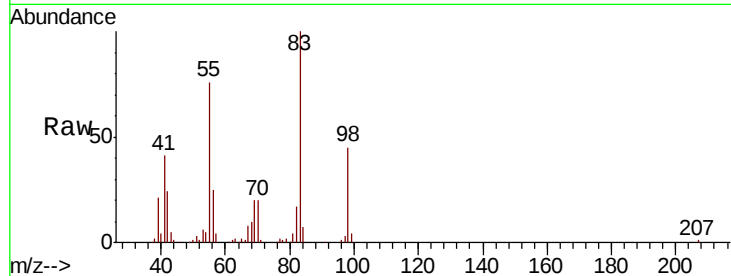
#39
Methvlcvclohexane
Concen: 19.507 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059369.D
Acq: 22 Nov 2019 16:52

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.8	62.3	93.5
98	44.7	36.0	54.0

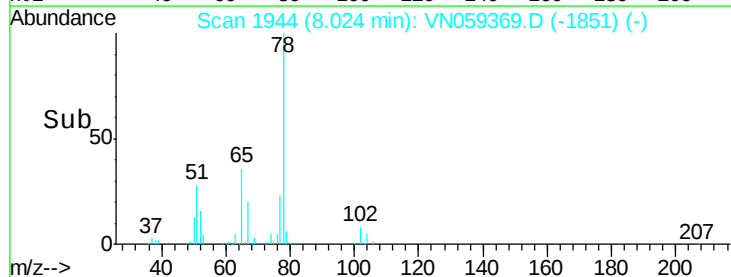
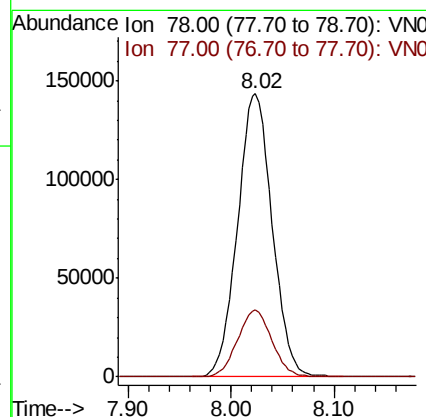
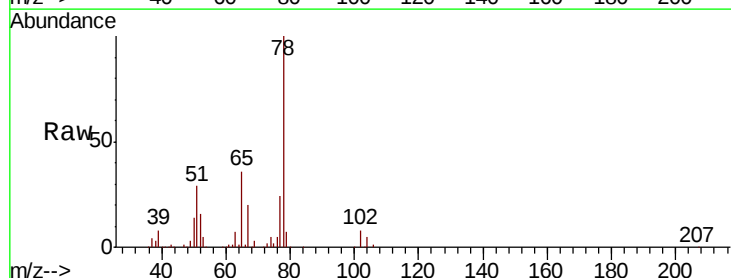
Manual Integrations
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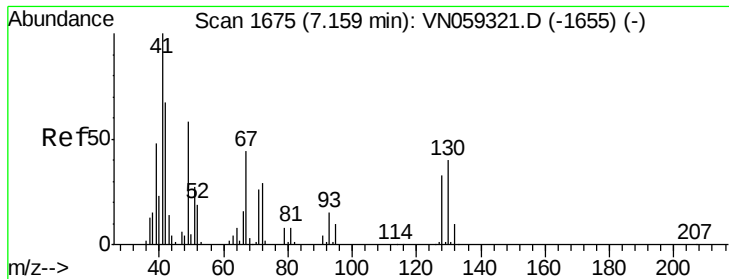
MMDadoda
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#40
Benzene
Concen: 19.366 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN059369.D
Acq: 22 Nov 2019 16:52

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.4	27.6





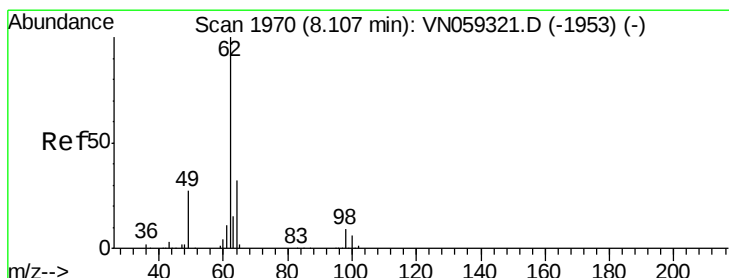
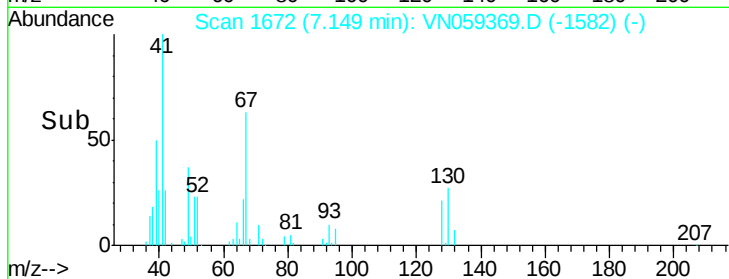
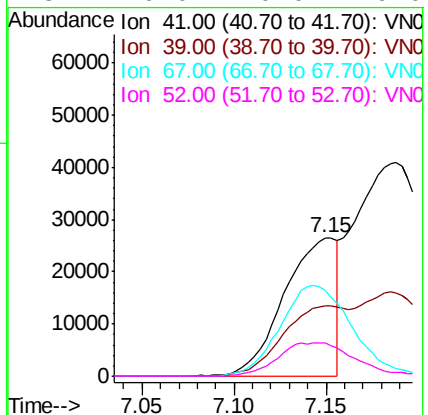
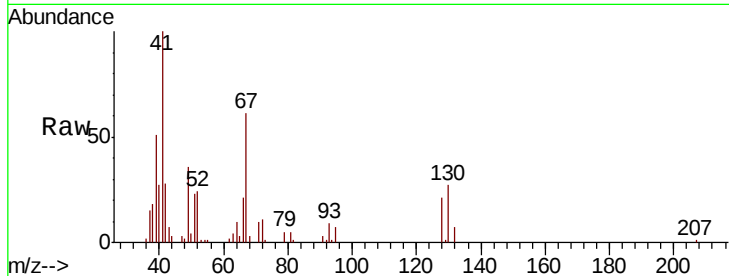
#41
Methacrylonitrile
Concen: 18.805 ug/l m
RT: 7.15 min Scan# 1672
Delta R.T. -0.01 min
Lab File: VN059369.D
Acq: 22 Nov 2019 16:52

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

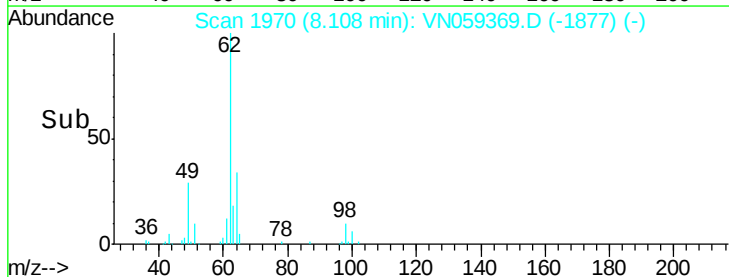
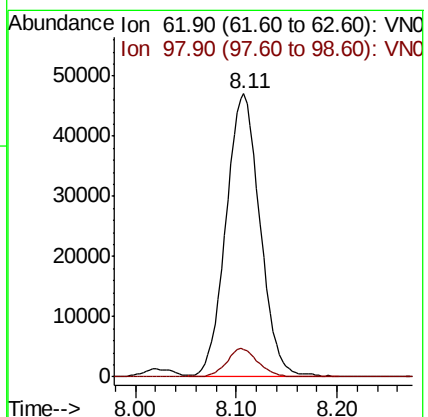
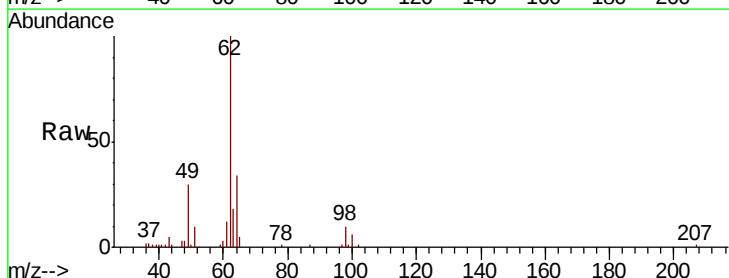
Manual Integrations
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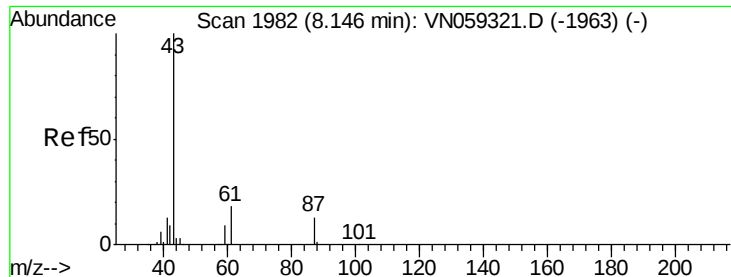
MMDadoda
11/26/2019 2:43:26 PM



#42
1,2-Dichloroethane
Concen: 19.335 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN059369.D
Acq: 22 Nov 2019 16:52

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.6





#43

Isopropyl Acetate

Concen: 19.265 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VN059369.D

Acq: 22 Nov 2019 16:52

Instrument :

MSVOA_N

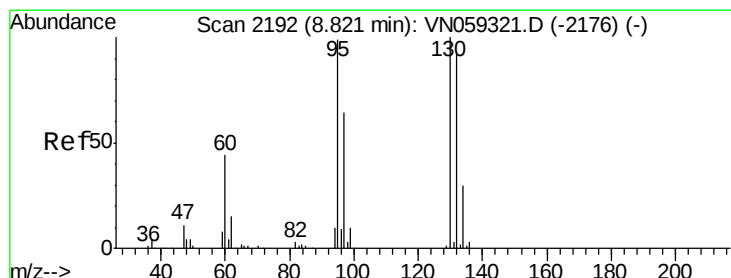
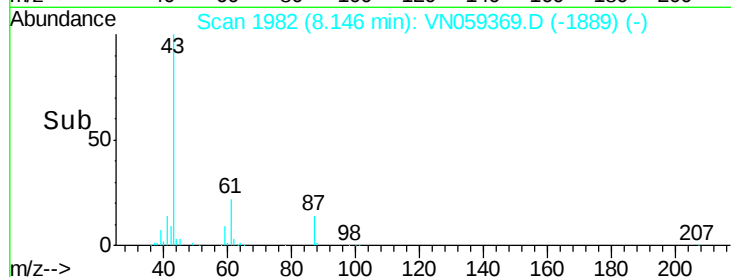
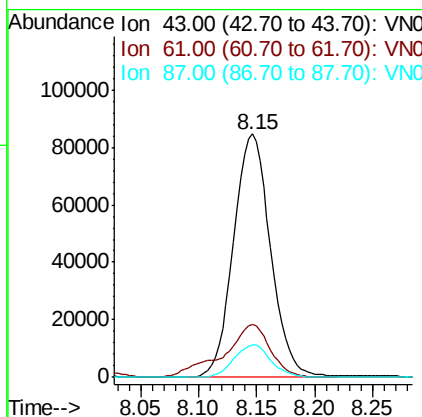
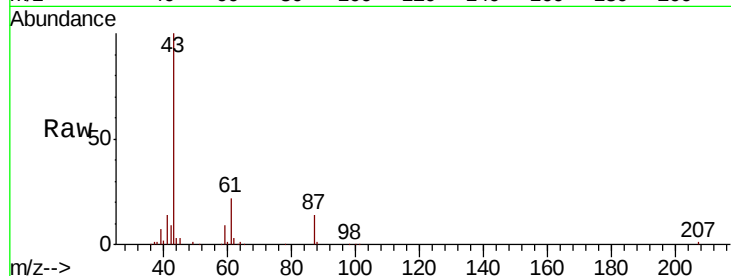
ClientSampleId :

VN1122WBSD01

Tot Ion:	43	Resp:	186600
Ion	Ratio	Lower	Upper
43	100		
61	27.7	21.7	32.5
87	13.5	10.2	15.4

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#44

Trichloroethene

Concen: 19.671 ug/l

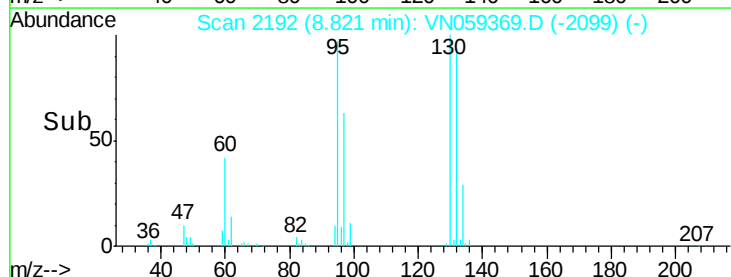
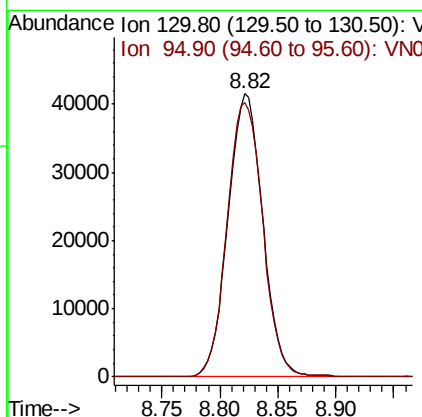
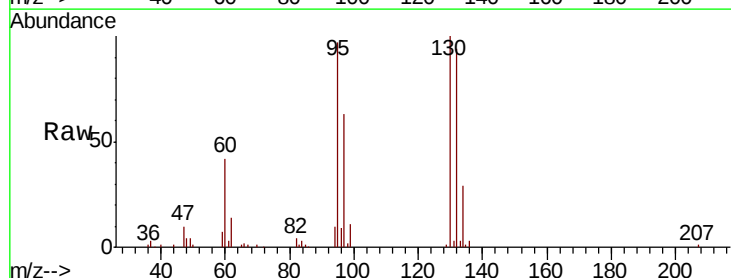
RT: 8.82 min Scan# 2192

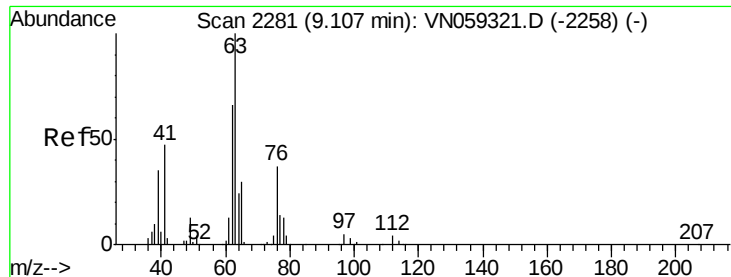
Delta R.T. 0.00 min

Lab File: VN059369.D

Acq: 22 Nov 2019 16:52

Tgt Ion:	130	Resp:	86292
Ion	Ratio	Lower	Upper
130	100		
95	96.8	0.0	198.4





#45

1,2-Dichloropropane

Concen: 19.568 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. -0.00 min

Lab File: VN059369.D

Acq: 22 Nov 2019 16:52

Instrument :

MSVOA_N

ClientSampleId :

VN1122WBSD01

Tot Ion: 63 Resp: 90314

Ion Ratio Lower Upper

63 100

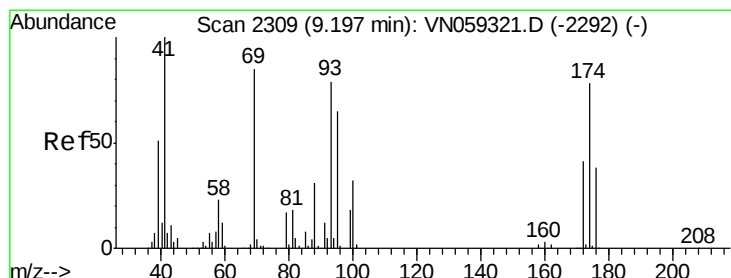
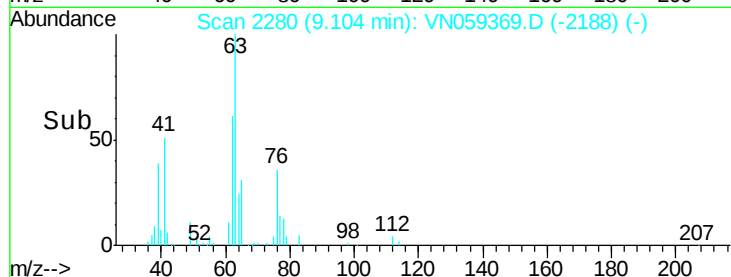
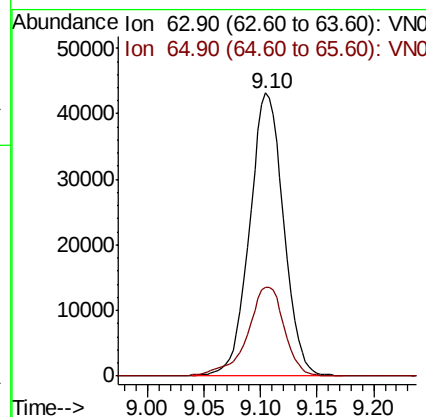
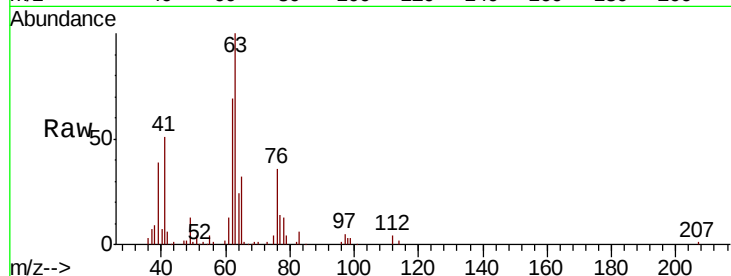
65 31.6 23.9 35.9

Manual Integrations

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#46

Dibromomethane

Concen: 18.996 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN059369.D

Acq: 22 Nov 2019 16:52

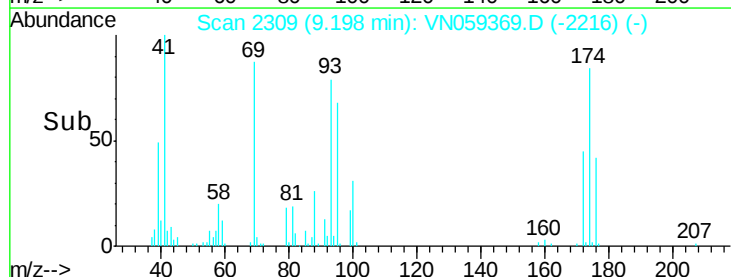
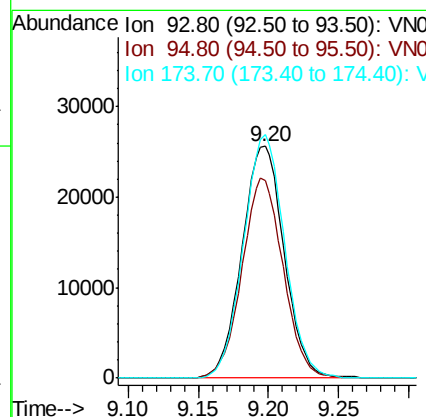
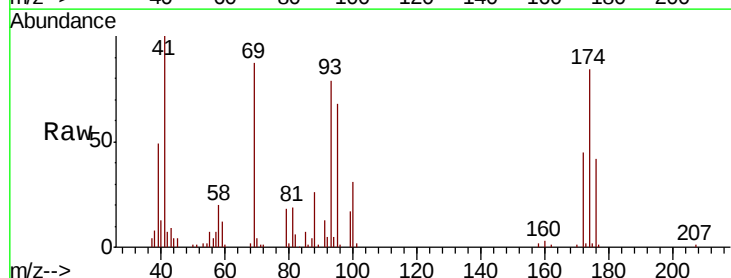
Tgt Ion: 93 Resp: 53779

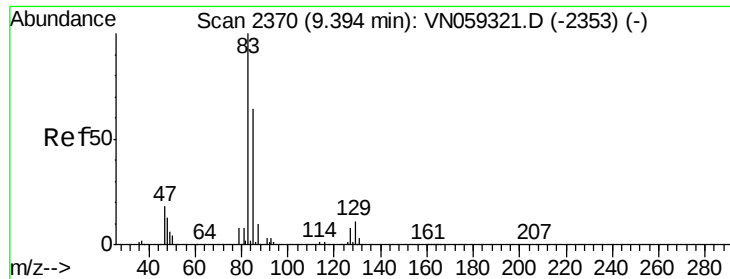
Ion Ratio Lower Upper

93 100

95 84.0 66.9 100.3

174 102.3 80.6 120.8





#47

Bromodichloromethane

Concen: 19.265 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN059369.D

Acq: 22 Nov 2019 16:52

Instrument :

MSVOA_N

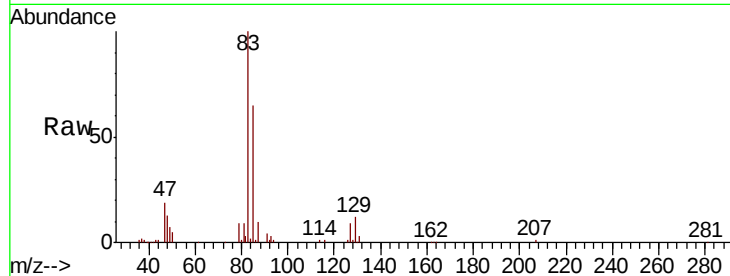
ClientSampleId :

VN1122WBSD01

Tot Ion:	83	Resp:	109229
Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.5	77.3
127	8.7	6.6	10.0

Manual Integrations
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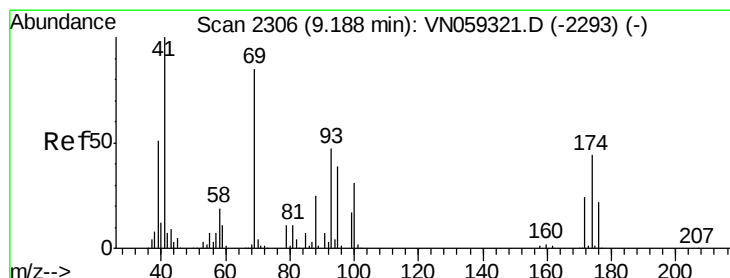
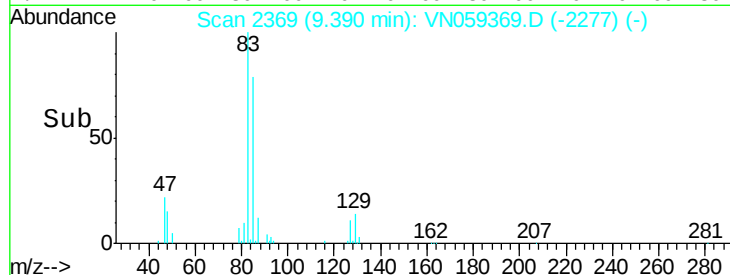
Abundance Ion 82.90 (82.60 to 83.60): VN059321.D (-2353) (-)

Ion 84.90 (84.60 to 85.60): VN059321.D (-2353) (-)

Ion 126.80 (126.50 to 127.50): VN059321.D (-2353) (-)

Time-->

9.30 9.35 9.40 9.45



#48

Methyl methacrylate

Concen: 18.910 ug/l

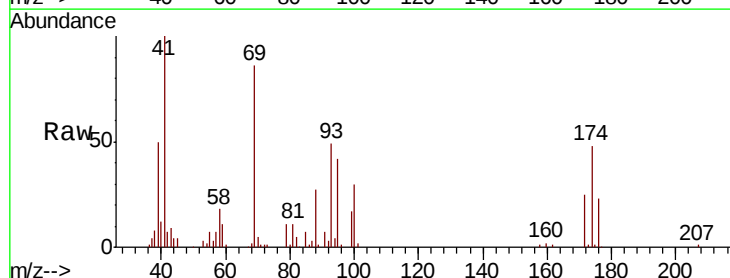
RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN059369.D

Acq: 22 Nov 2019 16:52

Tgt Ion:	41	Resp:	83292
Ion	Ratio	Lower	Upper
41	100		
69	88.4	68.8	103.2
39	51.5	42.1	63.1



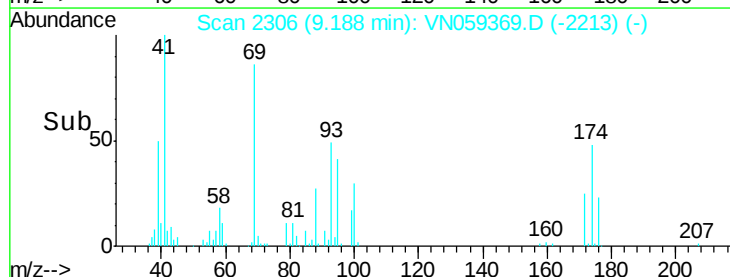
Abundance Ion 41.00 (40.70 to 41.70): VN059321.D (-2293) (-)

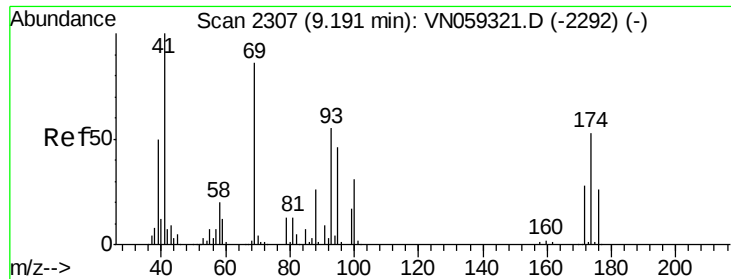
Ion 69.00 (68.70 to 69.70): VN059321.D (-2293) (-)

Ion 39.00 (38.70 to 39.70): VN059321.D (-2293) (-)

Time-->

9.15 9.20 9.25





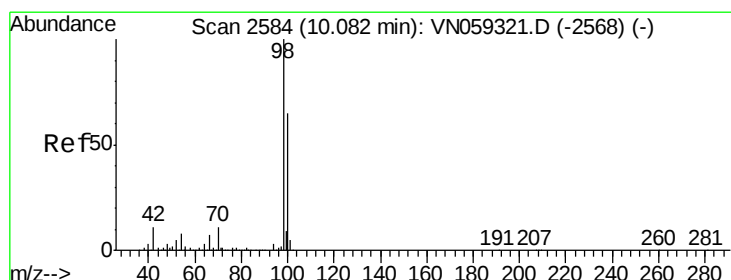
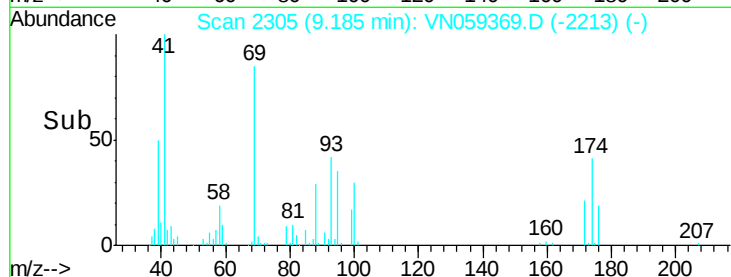
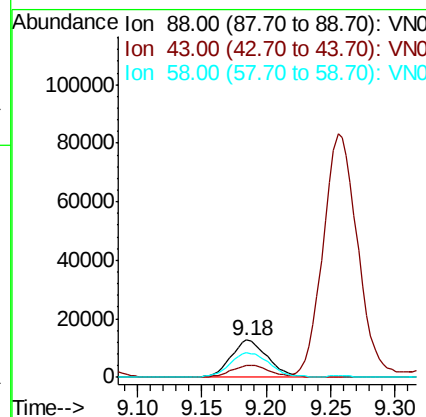
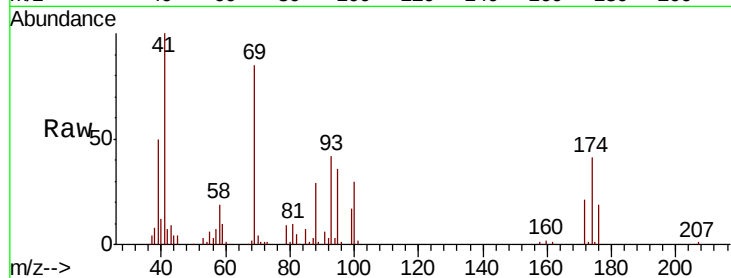
#49
 1,4-Dioxane
 Concen: 383.306 ug/l
 RT: 9.18 min Scan# 2305
 Delta R.T. -0.01 min
 Lab File: VN059369.D
 Acq: 22 Nov 2019 16:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1122WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.2	26.9	40.3
58	71.4	59.2	88.8

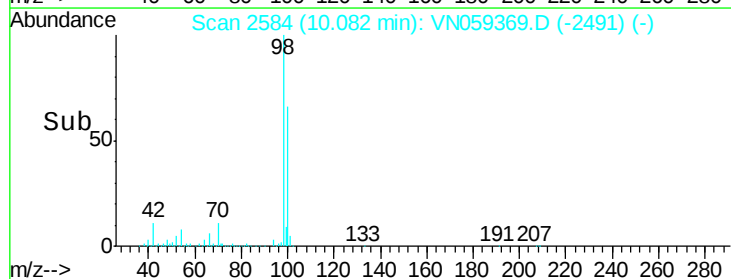
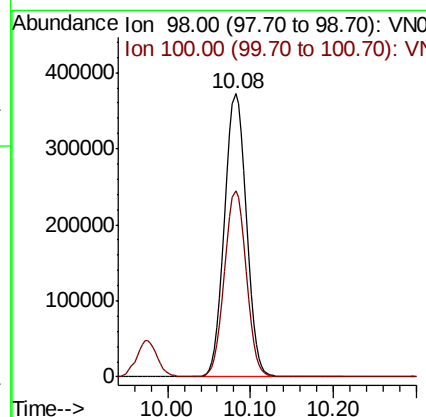
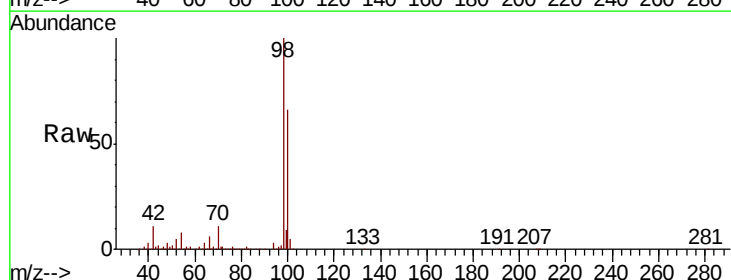
Manual Integrations
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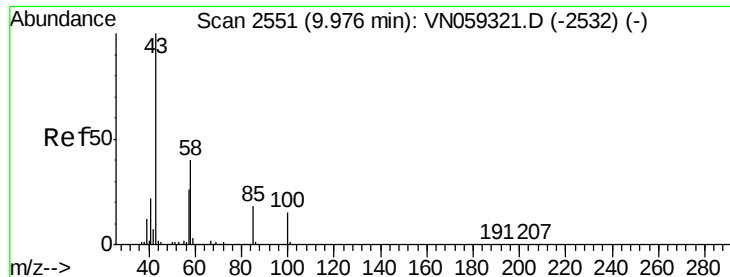
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#50
 Toluene-d8
 Concen: 50.014 ug/l
 RT: 10.08 min Scan# 2584
 Delta R.T. 0.00 min
 Lab File: VN059369.D
 Acq: 22 Nov 2019 16:52

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 103.853 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059369.D

Acq: 22 Nov 2019 16:52

Instrument :

MSVOA_N

ClientSampleId :

VN1122WBSD01

Tot Ion: 43 Resp: 588805

Ion Ratio Lower Upper

43 100

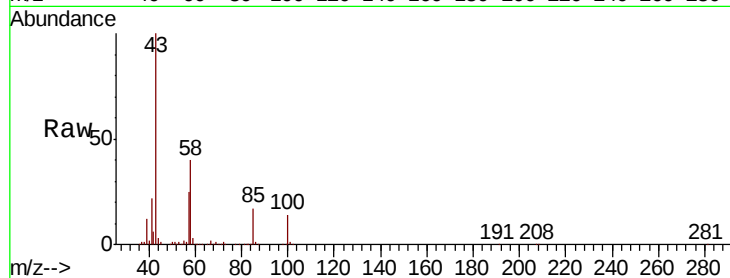
58 39.6 31.8 47.8

Manual Integrations

APPROVED

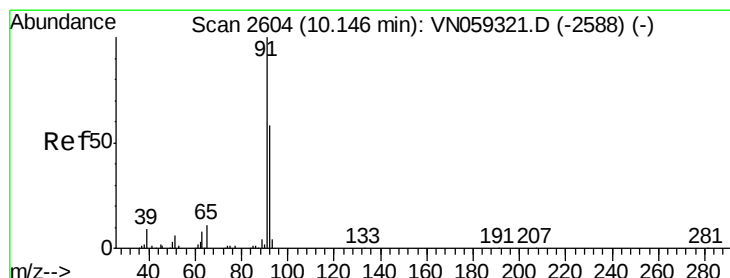
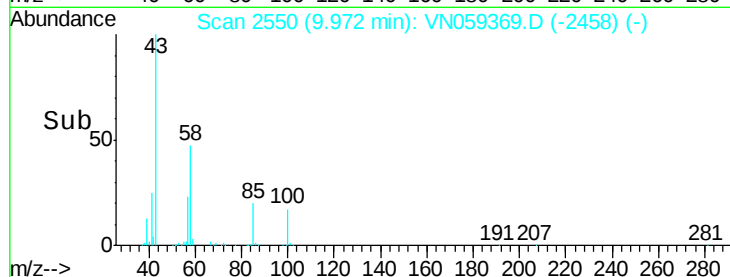
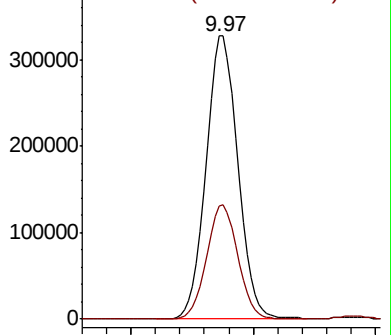
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.636 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059369.D

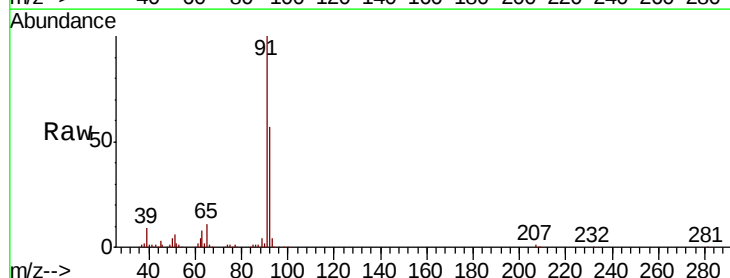
Acq: 22 Nov 2019 16:52

Tgt Ion: 92 Resp: 204364

Ion Ratio Lower Upper

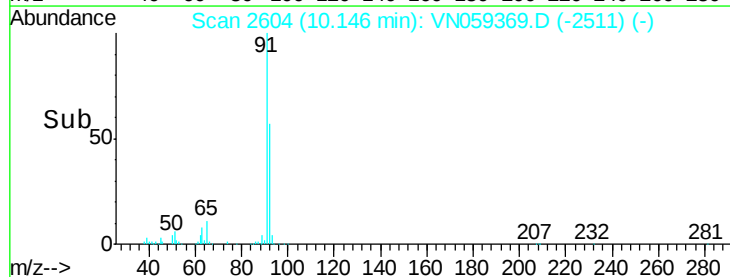
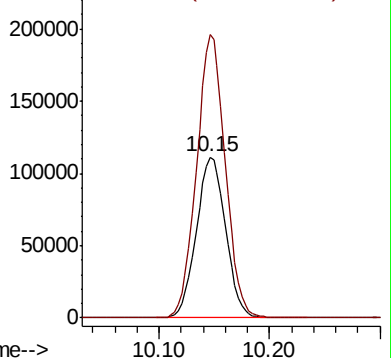
92 100

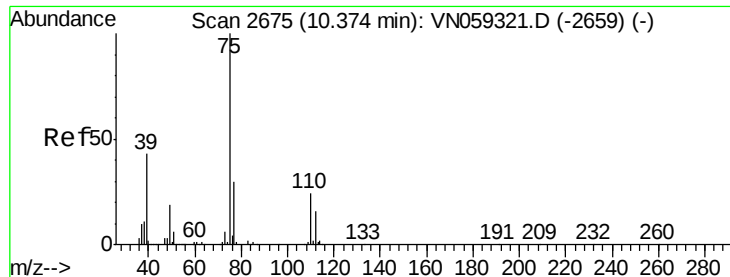
91 172.9 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 19.132 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN059369.D

Acq: 22 Nov 2019 16:52

Instrument :

MSVOA_N

ClientSampleId :

VN1122WBSD01

Tot Ion: 75 Resp: 126097

Ion Ratio Lower Upper

75 100

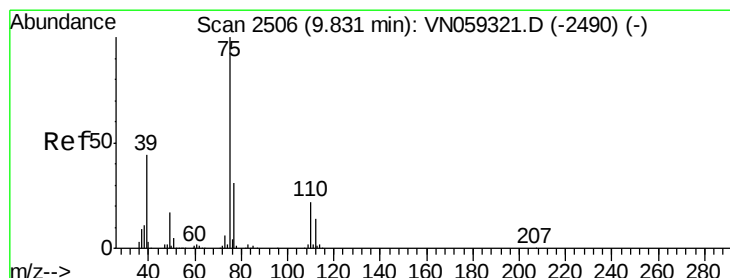
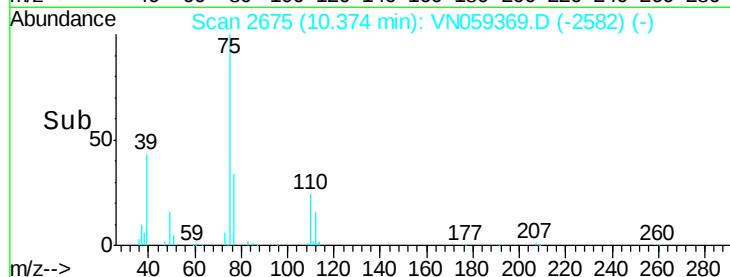
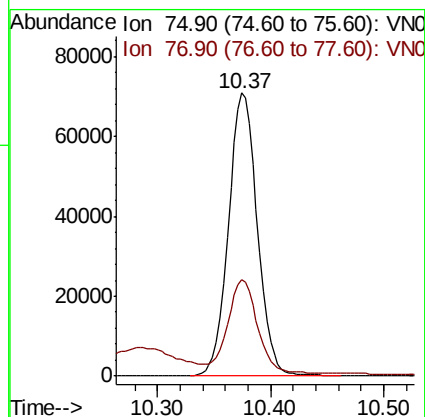
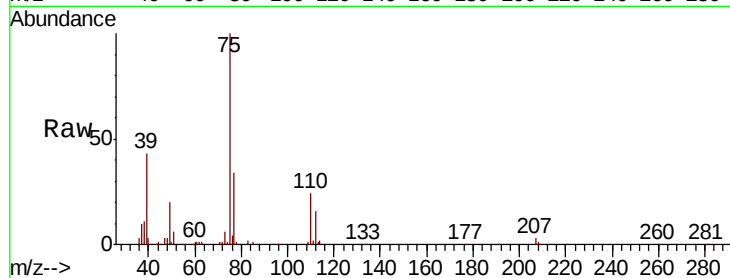
77 33.0 25.5 38.3

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 19.639 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN059369.D

Acq: 22 Nov 2019 16:52

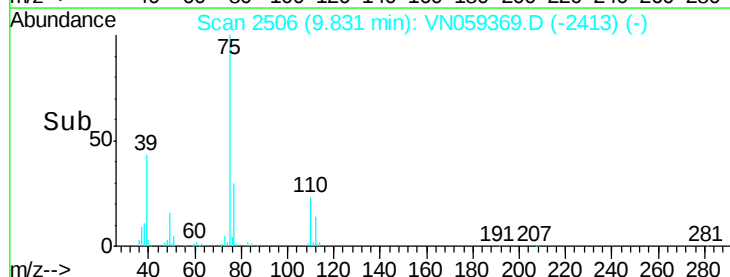
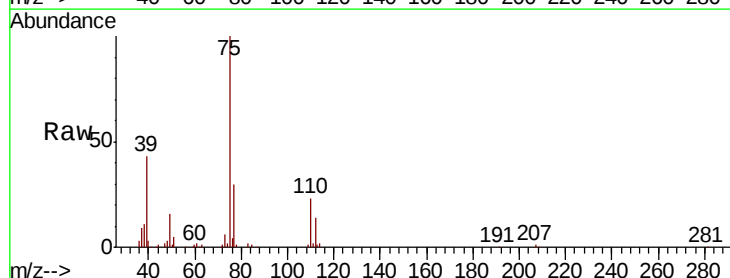
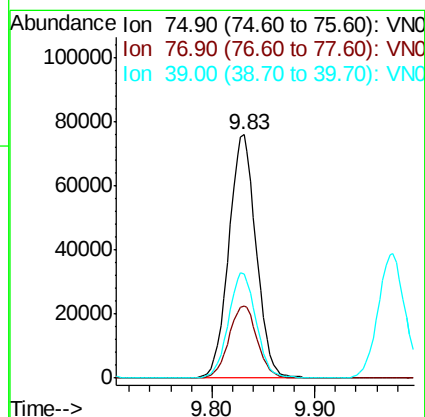
Tgt Ion: 75 Resp: 140456

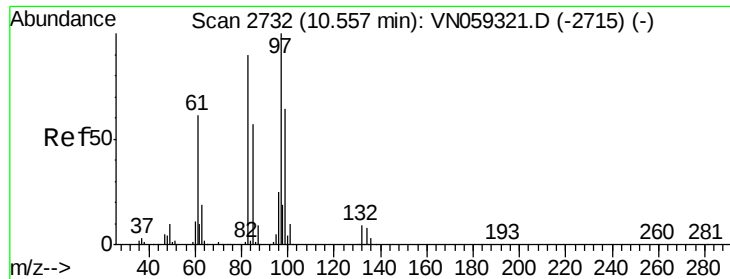
Ion Ratio Lower Upper

75 100

77 29.8 25.0 37.4

39 42.7 35.5 53.3





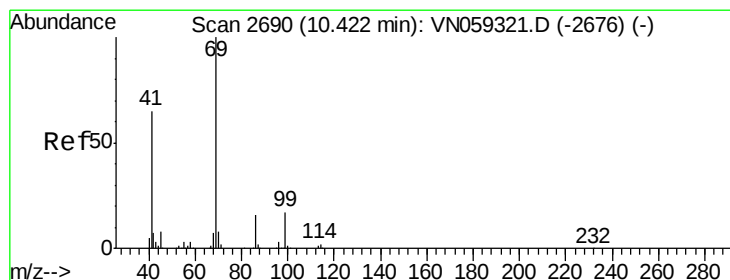
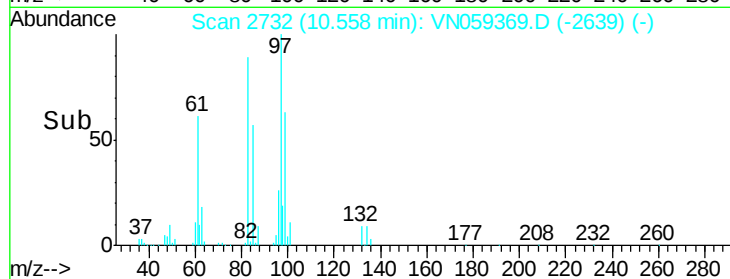
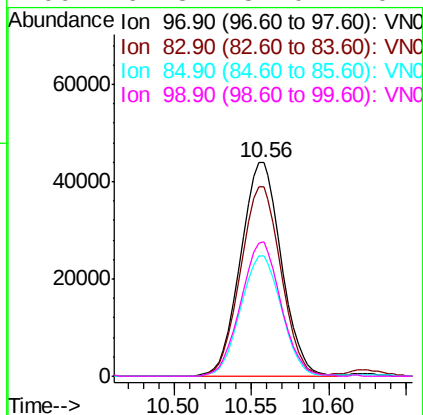
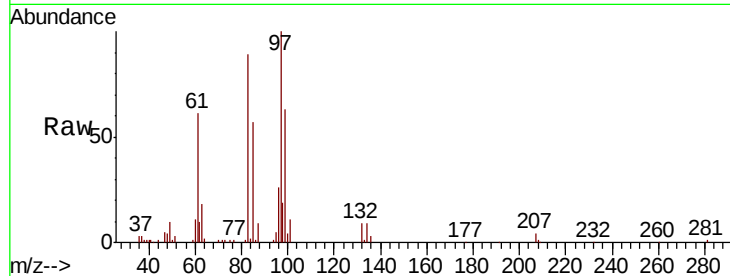
#55
 1,1,2-Trichloroethane
 Concen: 19.929 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN059369.D
 Acq: 22 Nov 2019 16:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1122WBSD01

Tot Ion:	97	Resp:	80641
Ion	Ratio	Lower	Upper
97	100		
83	88.7	72.0	108.0
85	56.6	45.8	68.6
99	62.8	51.0	76.4

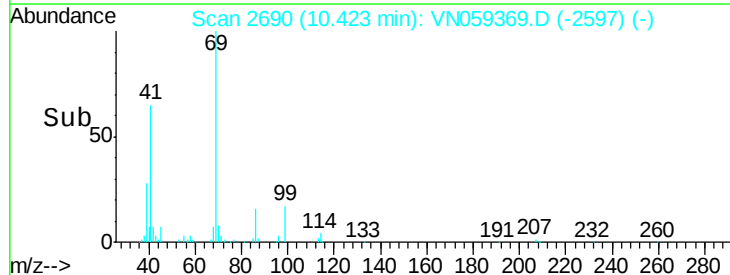
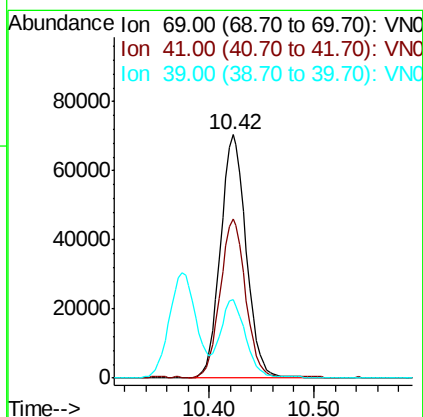
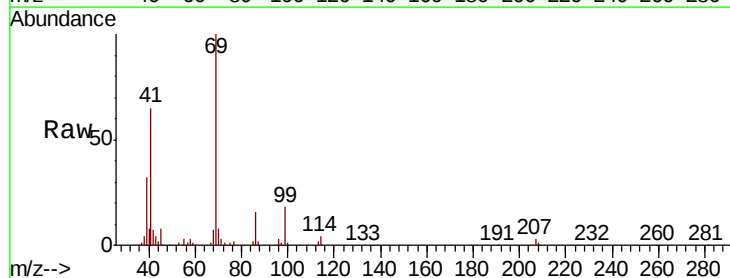
Manual Integrations
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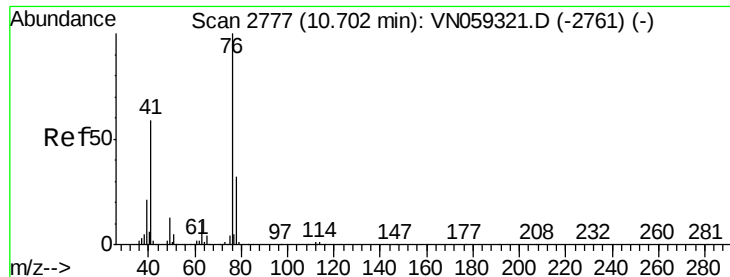
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#56
 Ethyl methacrylate
 Concen: 18.796 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059369.D
 Acq: 22 Nov 2019 16:52

Tgt Ion:	69	Resp:	118676
Ion	Ratio	Lower	Upper
69	100		
41	64.1	51.7	77.5
39	31.3	25.2	37.8





#57

1,3-Dichloropropane

Concen: 20.049 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN059369.D

Acq: 22 Nov 2019 16:52

Instrument :

MSVOA_N

ClientSampleId :

VN1122WBSD01

Tot Ion: 76 Resp: 141400

Ion Ratio Lower Upper

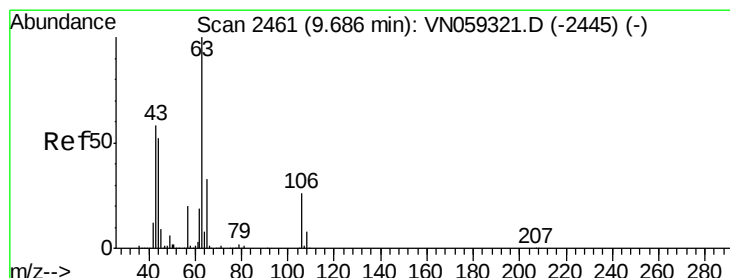
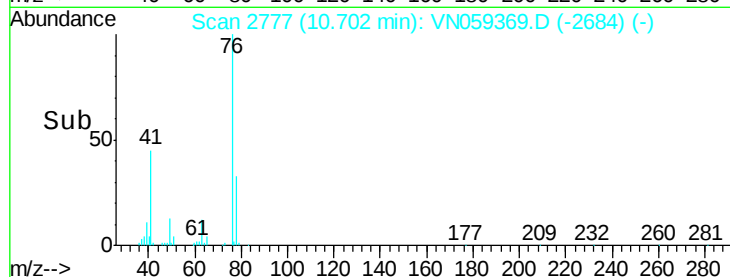
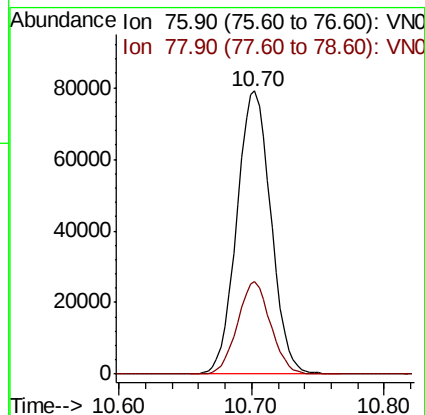
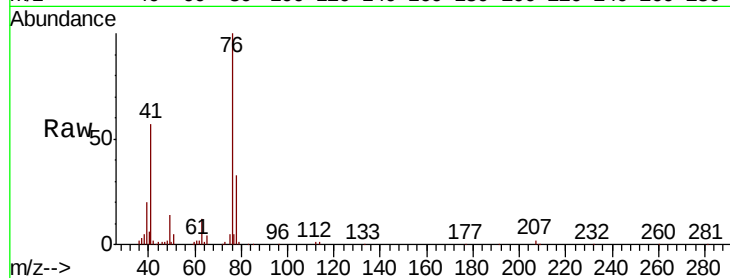
76 100

78 31.9 26.0 39.0

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 90.189 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN059369.D

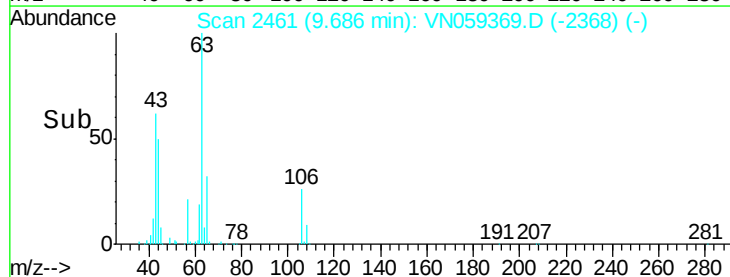
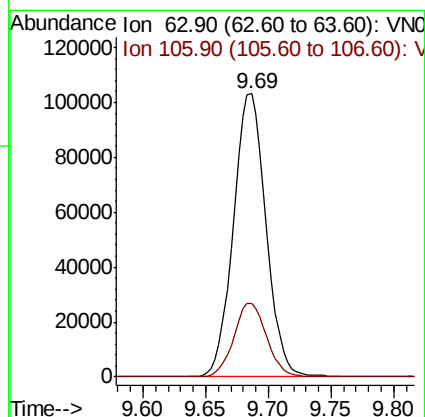
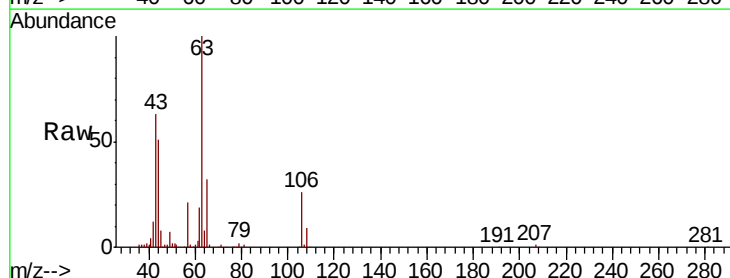
Acq: 22 Nov 2019 16:52

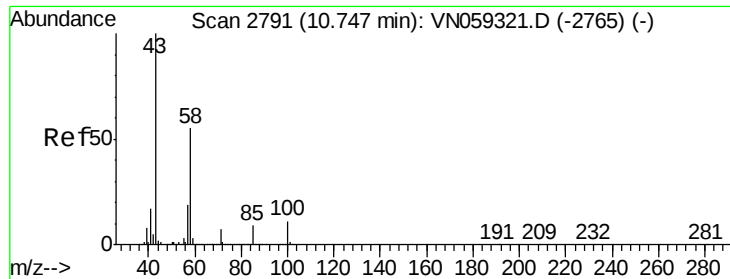
Tgt Ion: 63 Resp: 186039

Ion Ratio Lower Upper

63 100

106 26.1 20.5 30.7





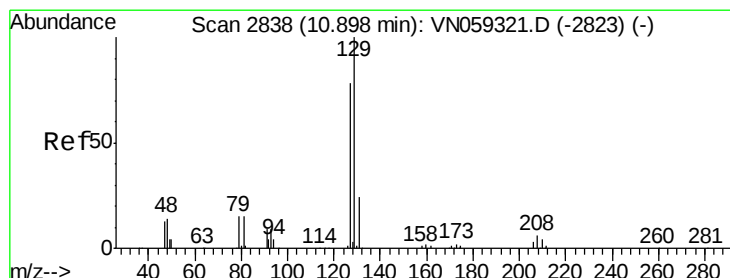
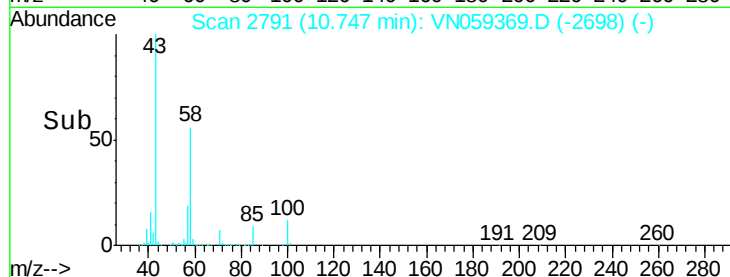
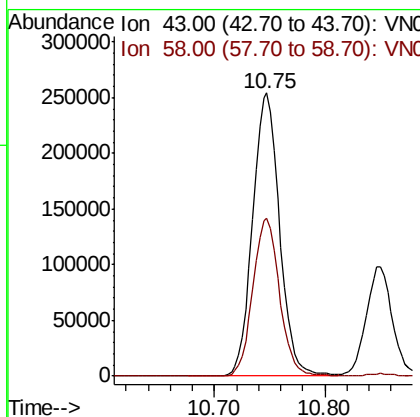
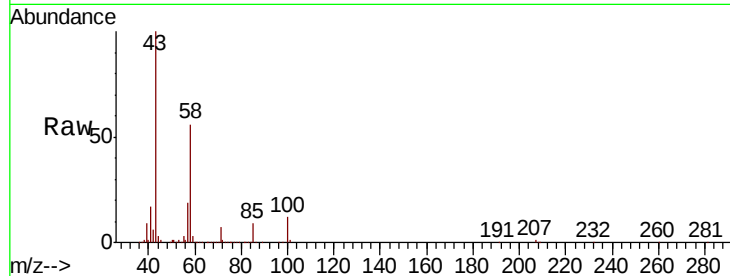
#59
2-Hexanone
Concen: 103.775 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059369.D
Acq: 22 Nov 2019 16:52

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBSD01

Tot Ion: 43 Resp: 430824
Ion Ratio Lower Upper
43 100
58 55.4 27.7 83.0

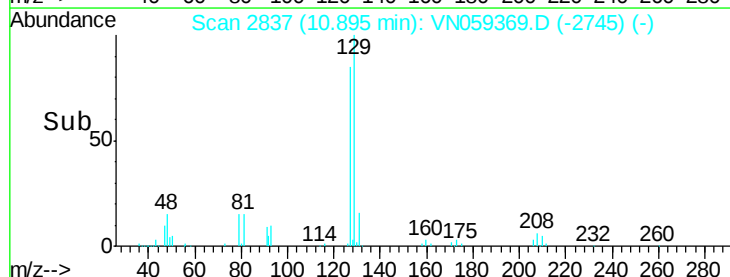
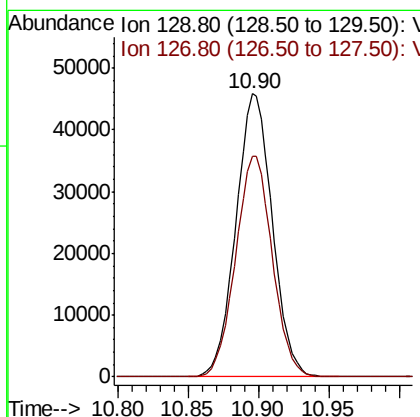
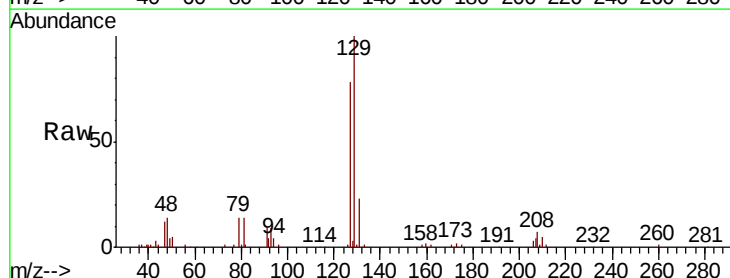
Manual Integrations
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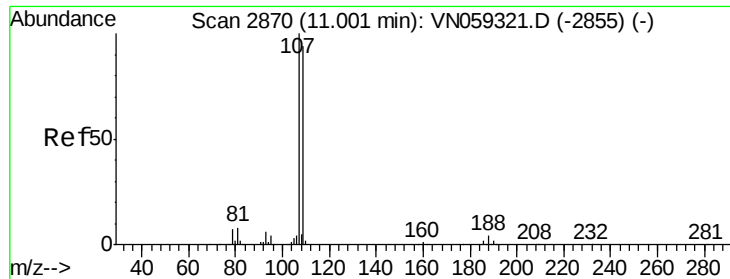
MMDadoda
11/26/2019 2:43:26 PM



#60
Dibromochloromethane
Concen: 19.437 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059369.D
Acq: 22 Nov 2019 16:52

Tgt Ion: 129 Resp: 82881
Ion Ratio Lower Upper
129 100
127 78.6 38.5 115.5





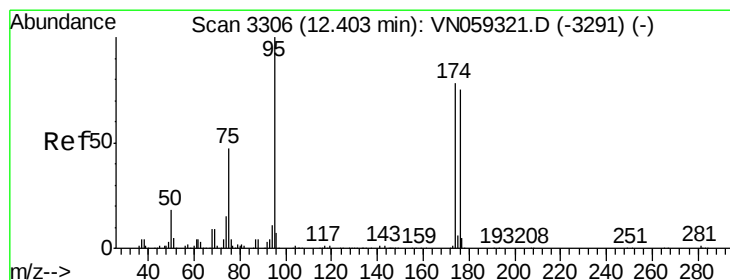
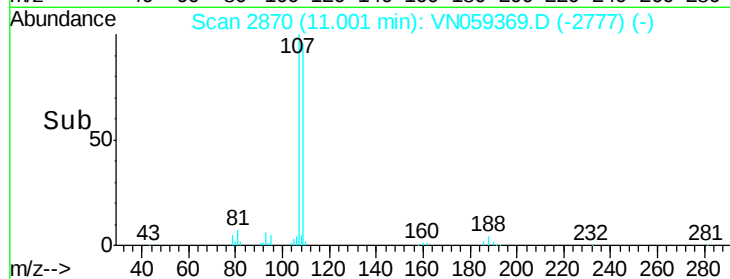
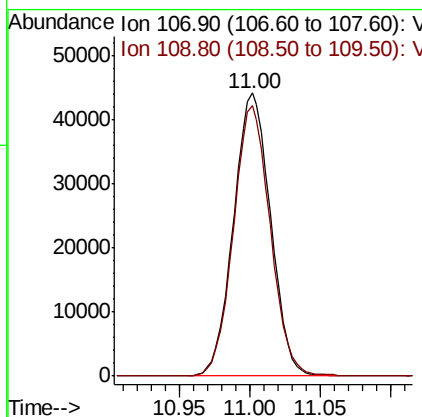
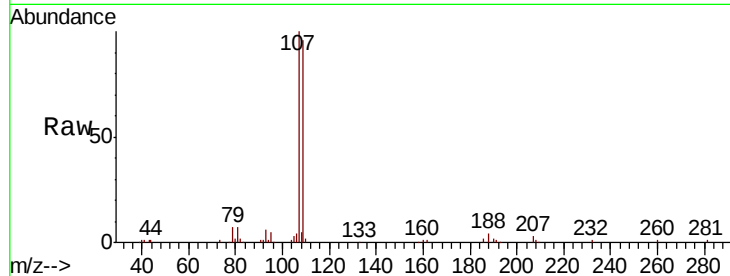
#61
 1,2-Dibromoethane
 Concen: 19.343 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059369.D
 Acq: 22 Nov 2019 16:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1122WBSD01

Tot Ion: 107 Resp: 81442
 Ion Ratio Lower Upper
 107 100
 109 94.9 75.4 113.2

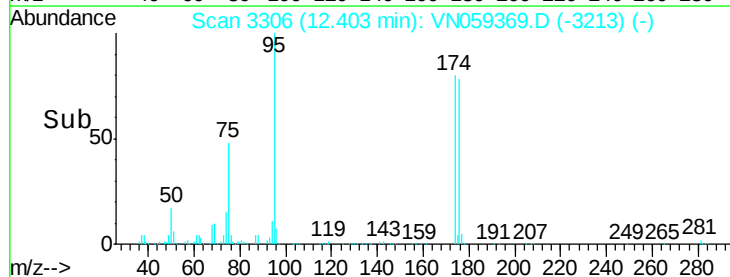
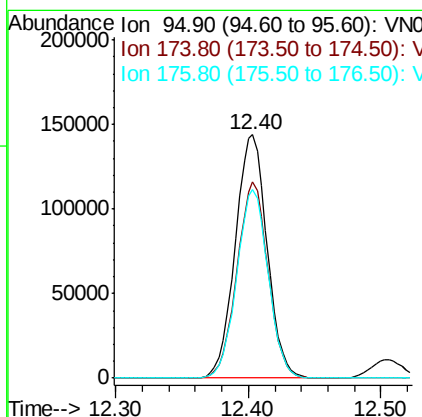
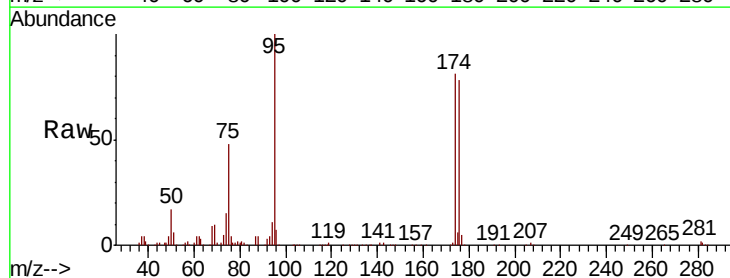
Manual Integrations
 APPROVED

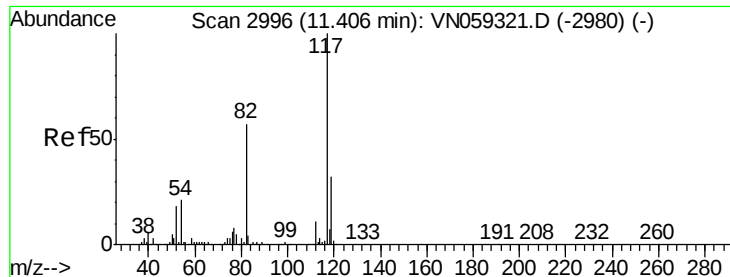
MMDadoda
 11/26/2019 2:43:26 PM



#62
 4-Bromofluorobenzene
 Concen: 50.335 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN059369.D
 Acq: 22 Nov 2019 16:52

Tgt Ion: 95 Resp: 239793
 Ion Ratio Lower Upper
 95 100
 174 78.7 0.0 157.4
 176 76.4 0.0 151.2





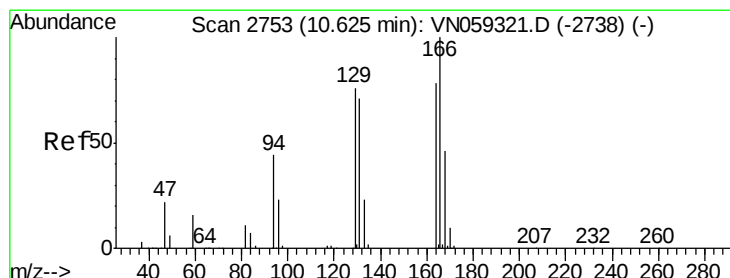
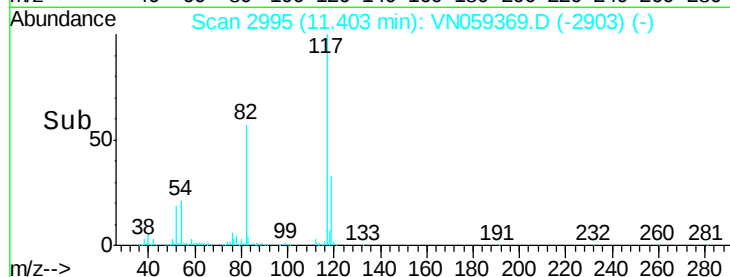
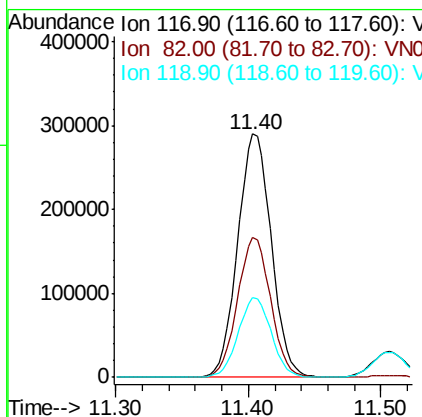
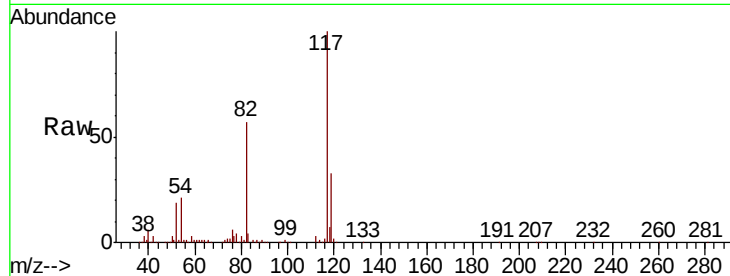
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059369.D
Acq: 22 Nov 2019 16:52

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.3	45.7	68.5
119	32.5	25.8	38.6

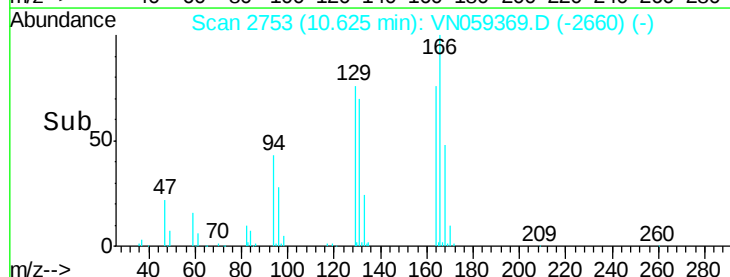
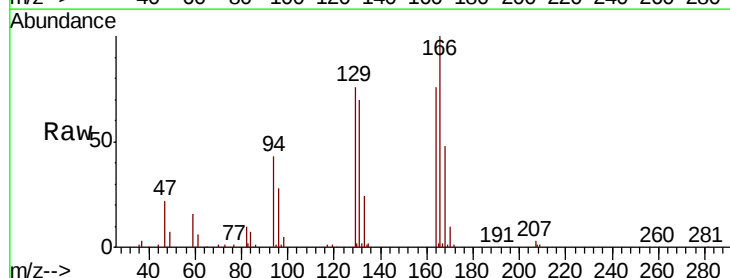
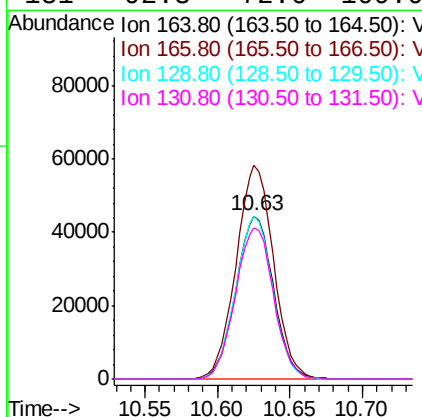
Manual Integrations
APPROVED

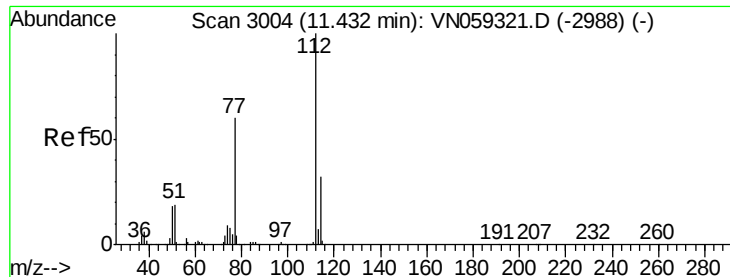
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#64
Tetrachloroethene
Concen: 20.287 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN059369.D
Acq: 22 Nov 2019 16:52

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.0	102.9	154.3
129	100.0	78.2	117.2
131	92.3	72.6	109.0





#65

Chlorobenzene

Concen: 19.429 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN059369.D

Acq: 22 Nov 2019 16:52

Instrument :

MSVOA_N

ClientSampleId :

VN1122WBSD01

Tot Ion:112 Resp: 213184

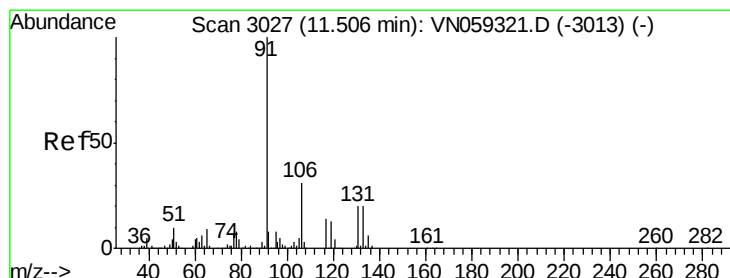
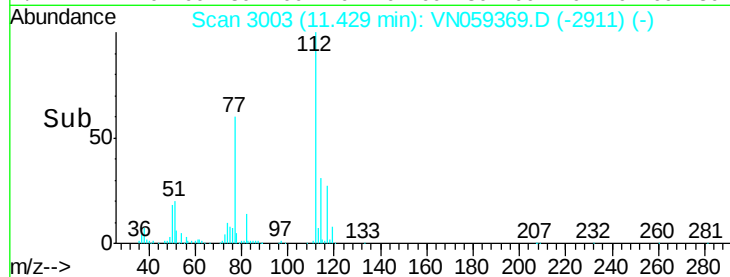
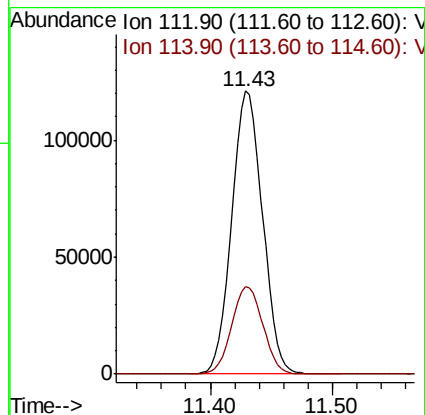
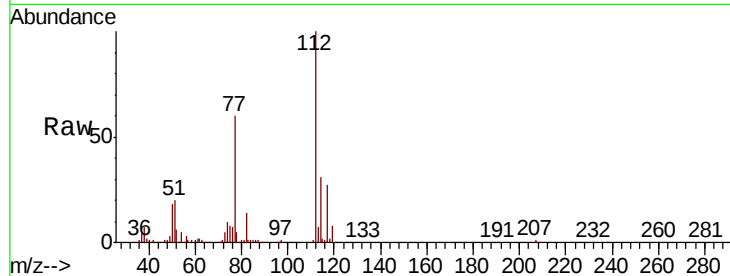
Ion Ratio Lower Upper

112 100

114 30.8 25.8 38.6

Manual Integrations
APPROVED

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#66

1,1,1,2-Tetrachloroethane

Concen: 19.781 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059369.D

Acq: 22 Nov 2019 16:52

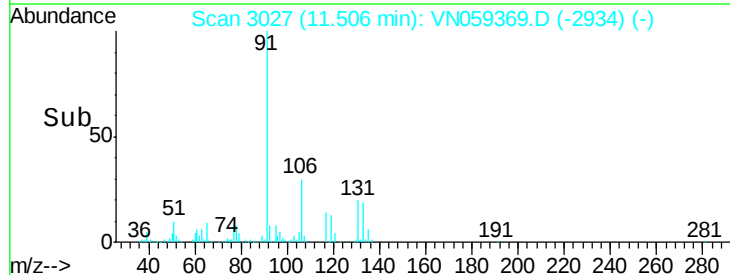
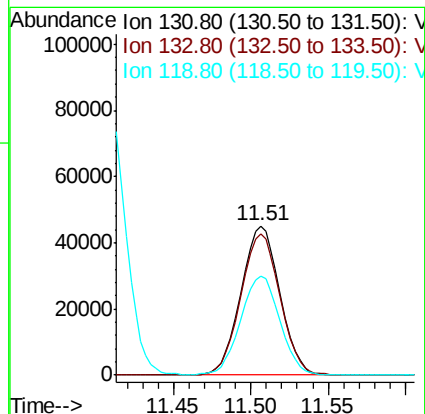
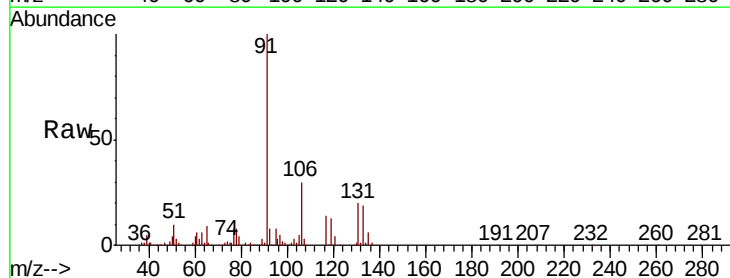
Tgt Ion:131 Resp: 78851

Ion Ratio Lower Upper

131 100

133 96.4 48.2 144.6

119 67.3 33.6 100.6





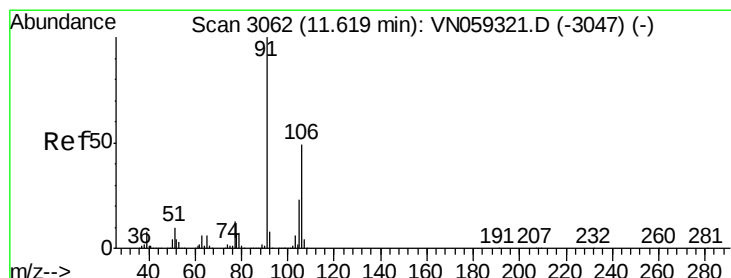
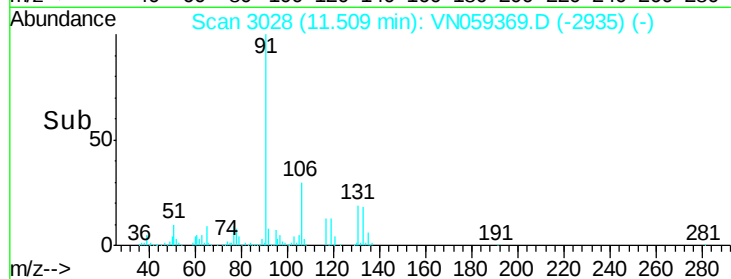
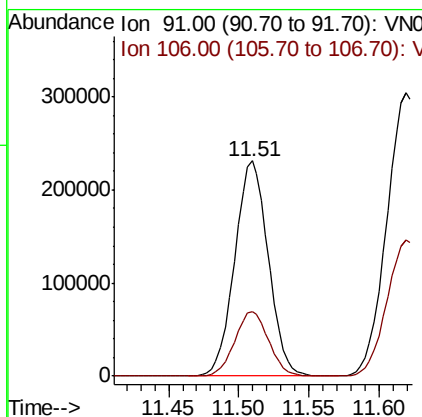
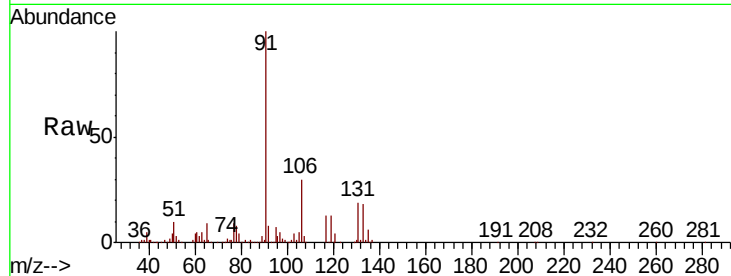
#67
Ethyl Benzene
Concen: 19.723 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN059369.D
Acq: 22 Nov 2019 16:52

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBSD01

Tot Ion: 91 Resp: 386392
Ion Ratio Lower Upper
91 100
106 30.2 24.6 37.0

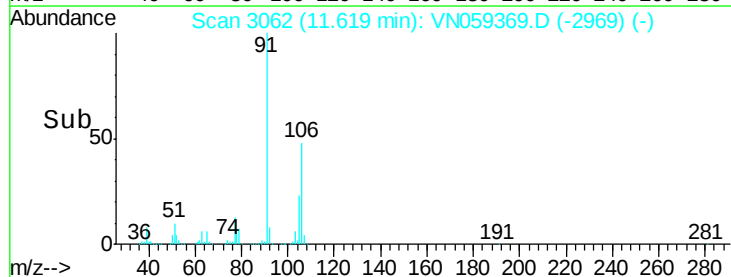
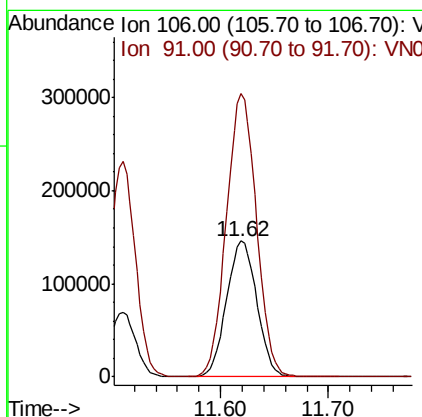
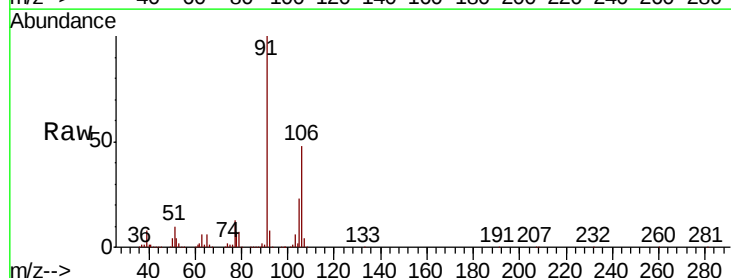
Manual Integrations
APPROVED

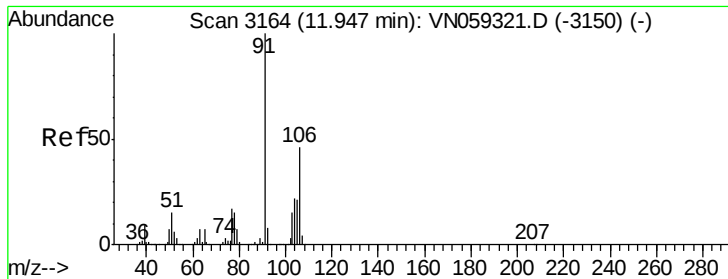
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#68
m/p-Xylenes
Concen: 39.219 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN059369.D
Acq: 22 Nov 2019 16:52

Tgt Ion: 106 Resp: 285503
Ion Ratio Lower Upper
106 100
91 206.3 163.2 244.8





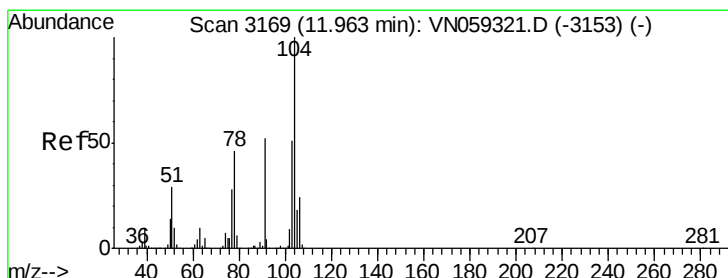
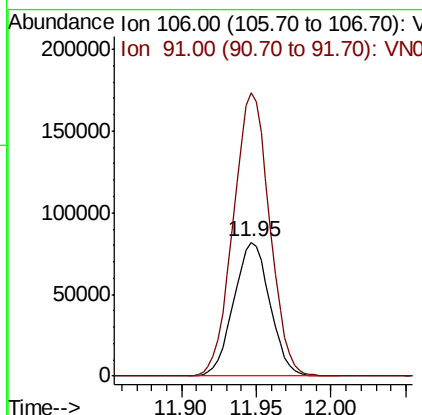
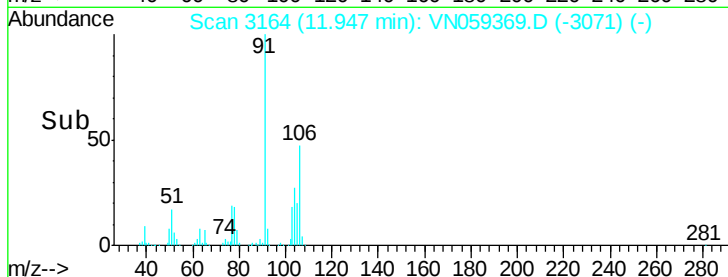
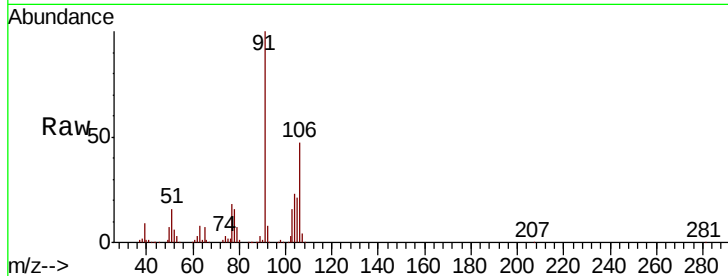
#69
o-Xylene
Concen: 19.854 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059369.D
Acq: 22 Nov 2019 16:52

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	211.9	109.3	327.9

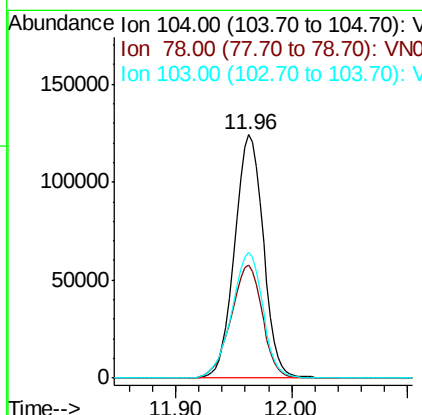
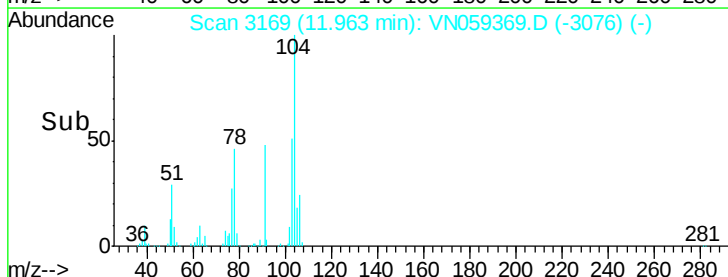
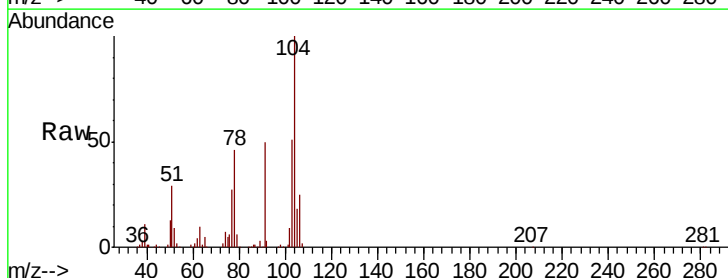
Manual Integrations
APPROVED

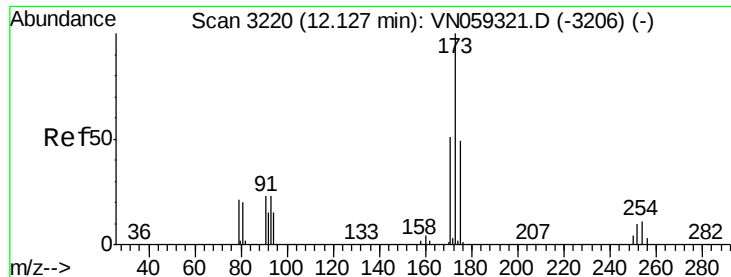
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#70
Styrene
Concen: 19.368 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN059369.D
Acq: 22 Nov 2019 16:52

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.0	40.3	60.5
103	55.9	43.6	65.4





#71

Bromoform

Concen: 19.435 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN059369.D

Acq: 22 Nov 2019 16:52

Instrument :

MSVOA_N

ClientSampleId :

VN1122WBSD01

Tot Ion:173 Resp: 58671

Ion Ratio Lower Upper

173 100

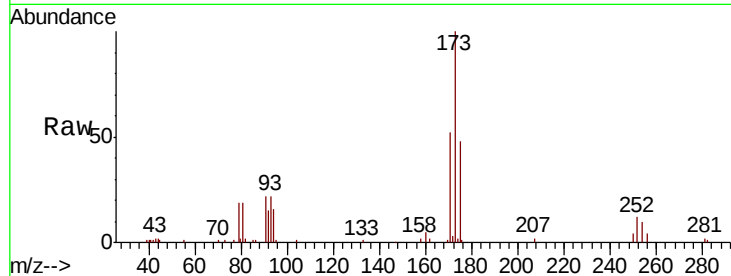
175 48.2 24.6 73.6

254 0.0 0.1 0.1#

Manual Integrations
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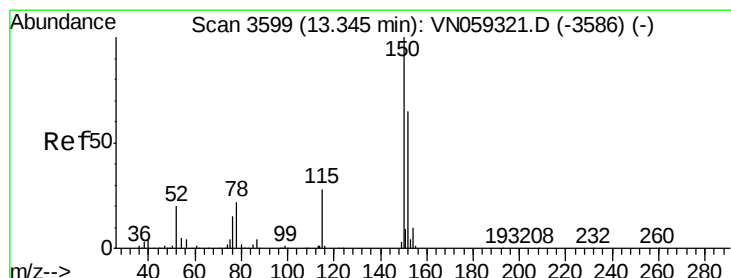
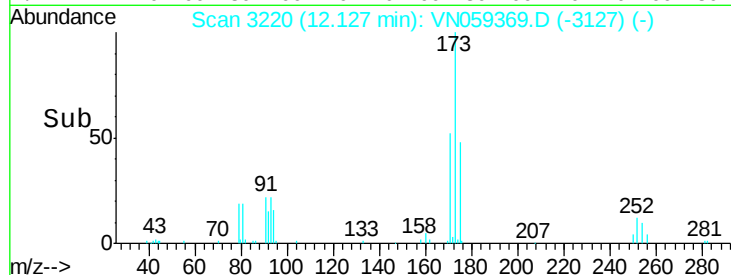
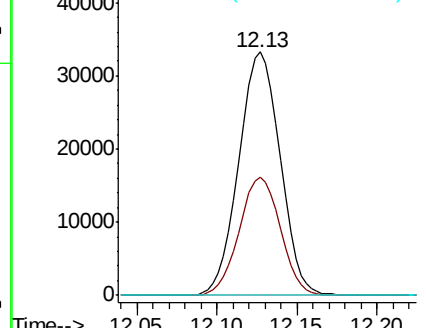
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN059369.D

Acq: 22 Nov 2019 16:52

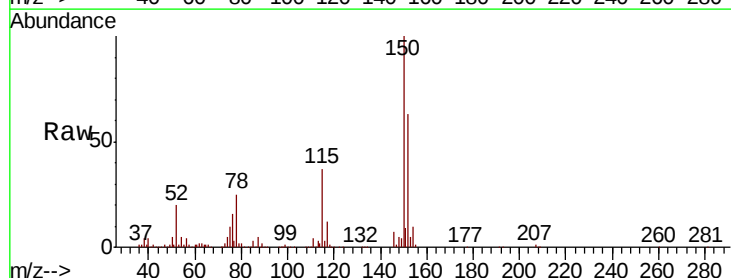
Tgt Ion:152 Resp: 231272

Ion Ratio Lower Upper

152 100

115 59.6 29.3 88.0

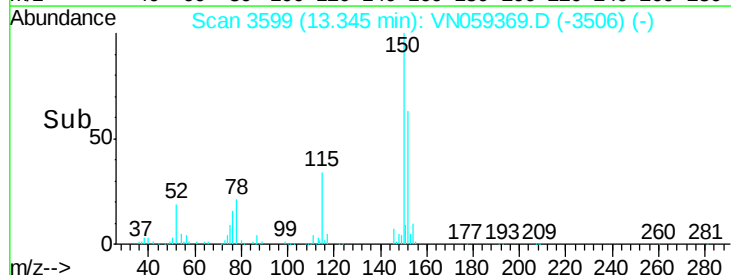
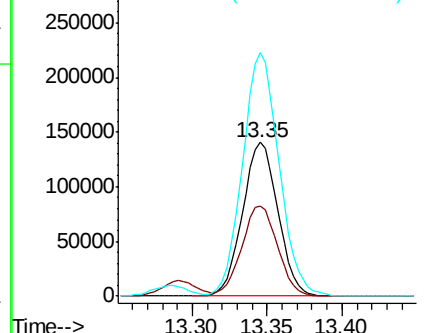
150 163.4 0.0 346.0

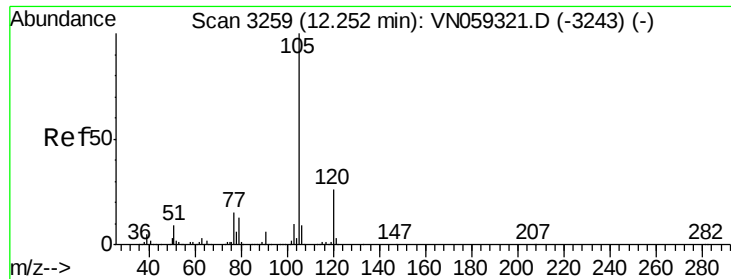


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.579 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059369.D

Acq: 22 Nov 2019 16:52

Instrument :

MSVOA_N

ClientSampleId :

VN1122WBSD01

Tot Ion: 105 Resp: 370928

Ion Ratio Lower Upper

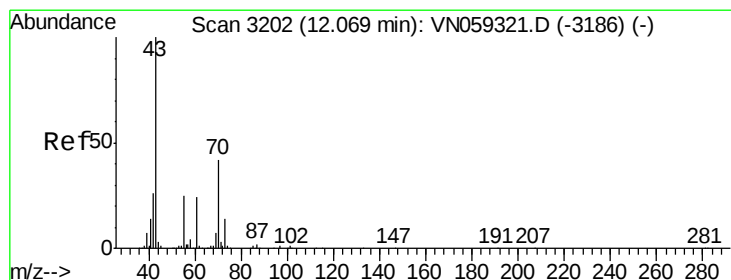
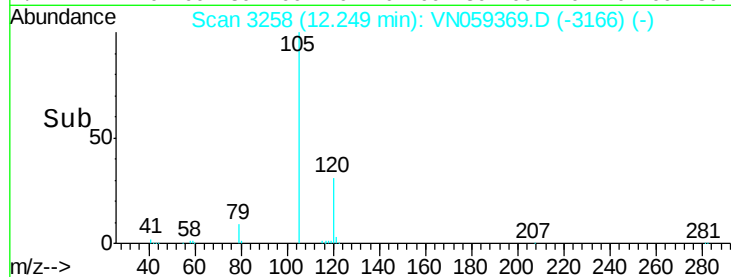
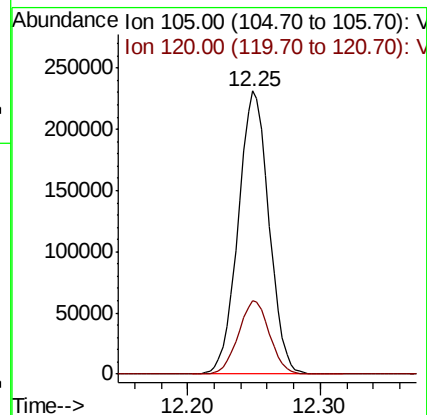
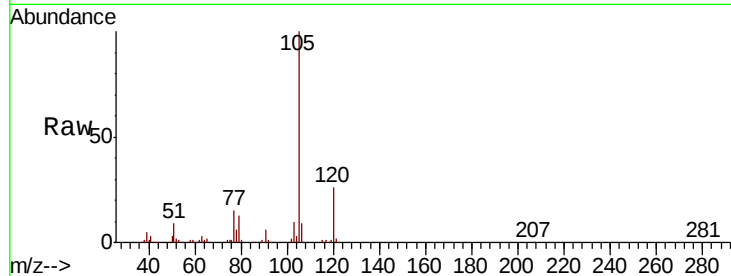
105 100

120 26.2 13.1 39.3

Manual Integrations
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#74

N-ethyl acetate

Concen: 18.398 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059369.D

Acq: 22 Nov 2019 16:52

Tgt Ion: 43 Resp: 140079

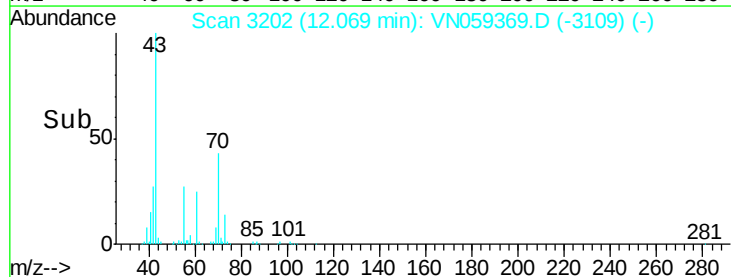
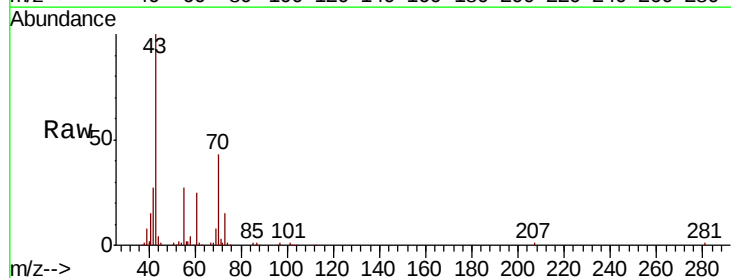
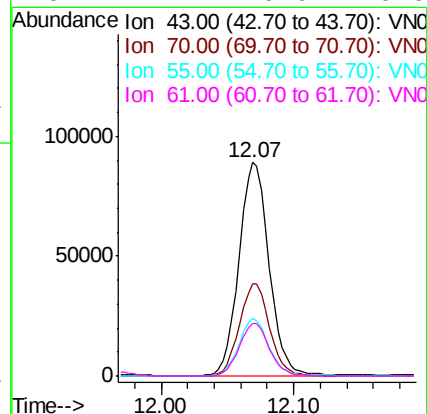
Ion Ratio Lower Upper

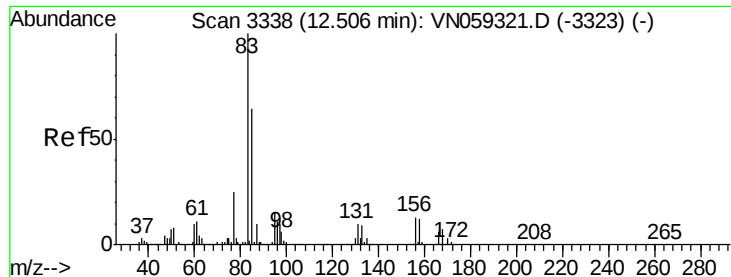
43 100

70 43.9 33.8 50.6

55 26.8 20.3 30.5

61 24.7 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 18.846 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059369.D

Acq: 22 Nov 2019 16:52

Instrument :

MSVOA_N

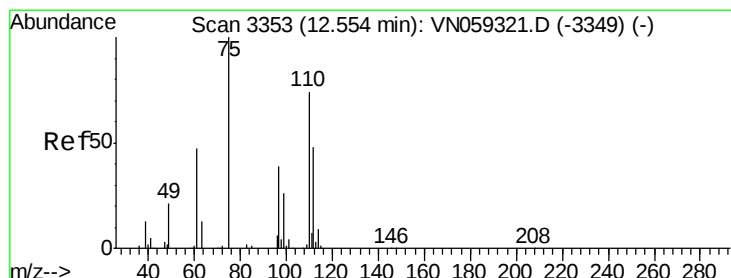
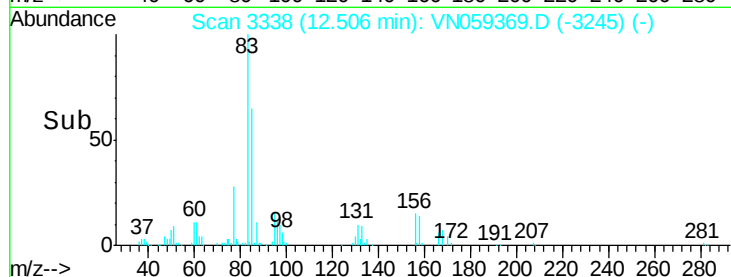
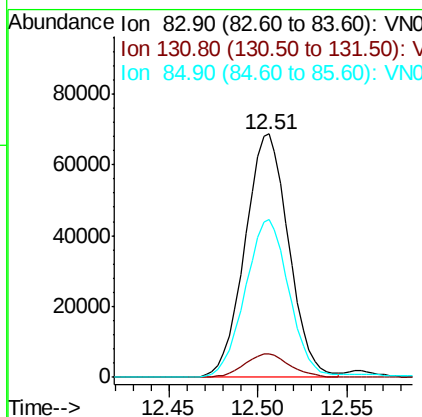
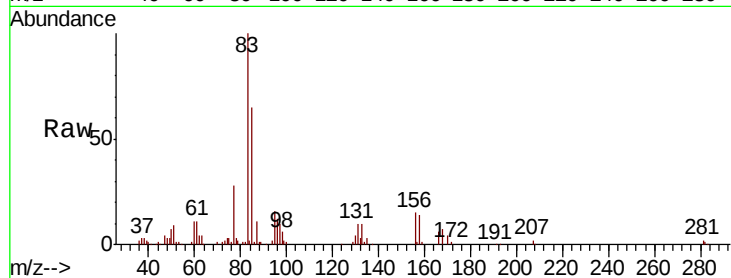
ClientSampleId :

VN1122WBSD01

Tot Ion:	83	Resp:	118109
Ion Ratio	Lower	Upper	
83	100		
131	9.8	5.0	14.9
85	64.8	32.1	96.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.603 ug/l m

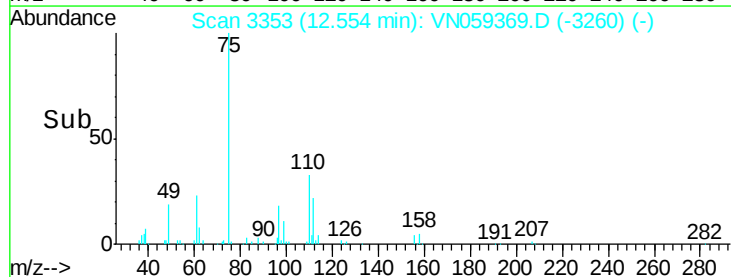
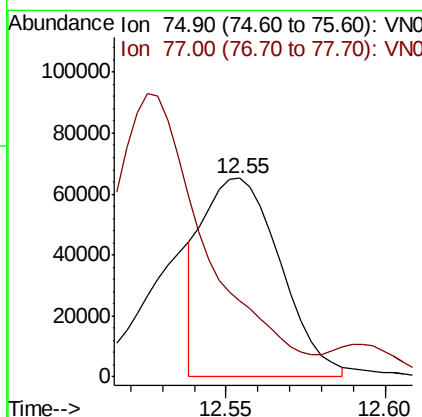
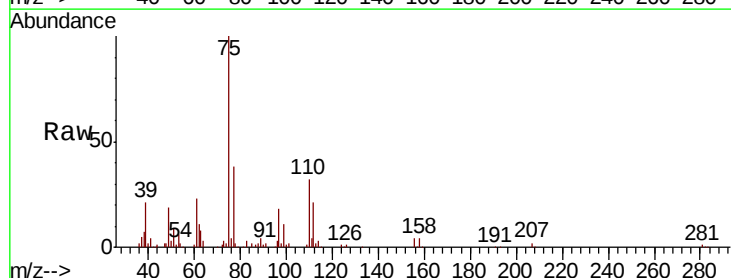
RT: 12.55 min Scan# 3353

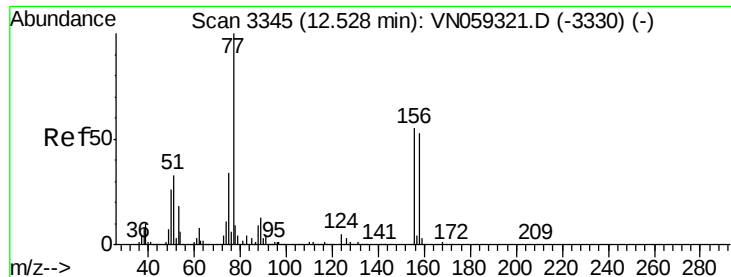
Delta R.T. 0.00 min

Lab File: VN059369.D

Acq: 22 Nov 2019 16:52

Tgt Ion:	75	Resp:	110080
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.109 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059369.D

Acq: 22 Nov 2019 16:52

Instrument :

MSVOA_N

ClientSampleId :

VN1122WBSD01

Tot Ion:156 Resp: 87810

Ion Ratio Lower Upper

156 100

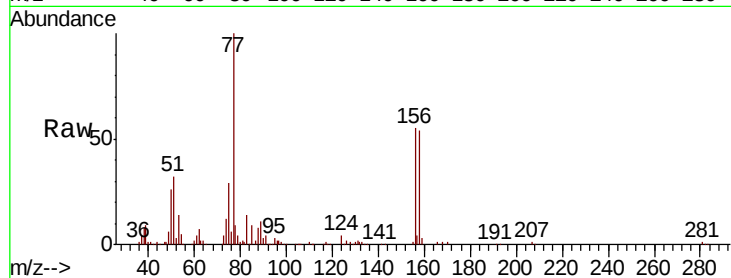
77 221.2 111.1 333.4

158 97.0 47.8 143.4

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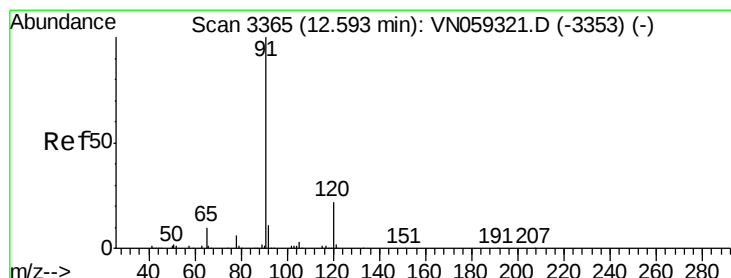
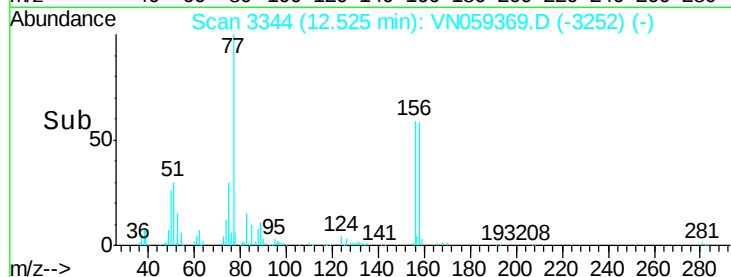
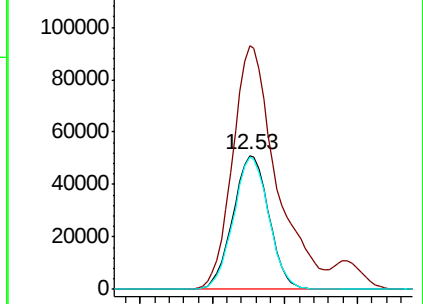
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.894 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN059369.D

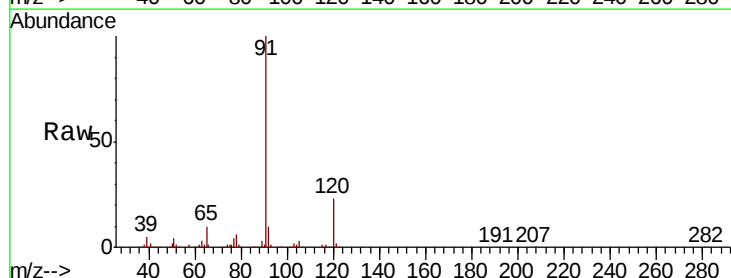
Acq: 22 Nov 2019 16:52

Tgt Ion: 91 Resp: 426928

Ion Ratio Lower Upper

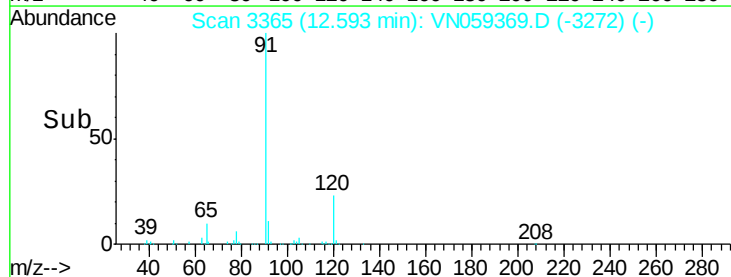
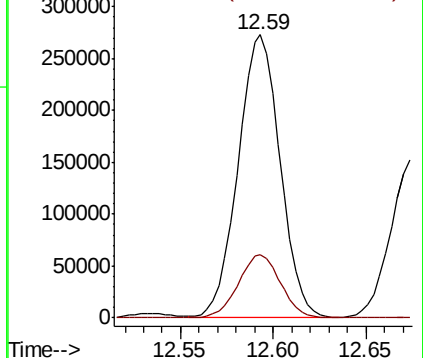
91 100

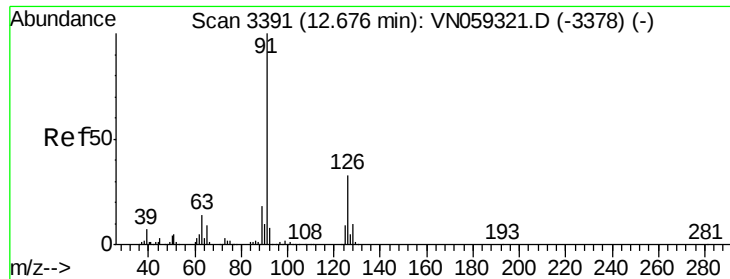
120 22.6 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





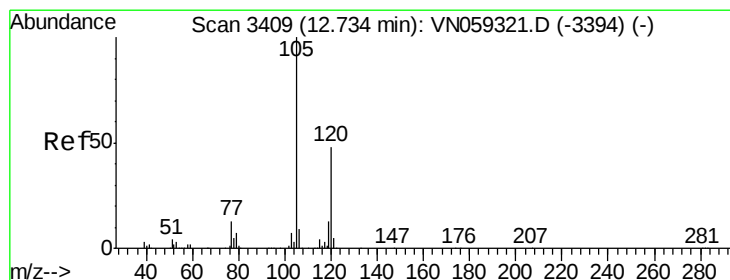
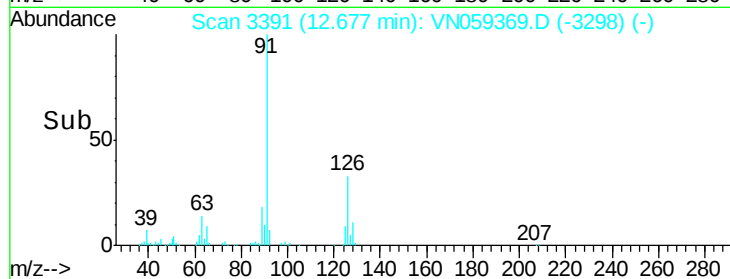
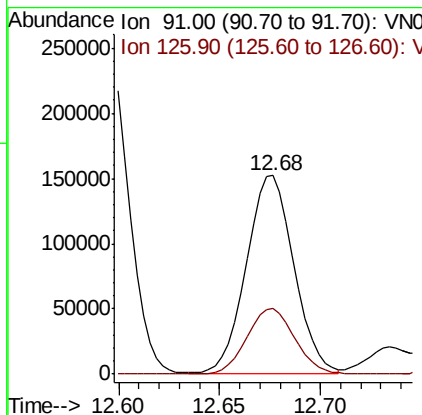
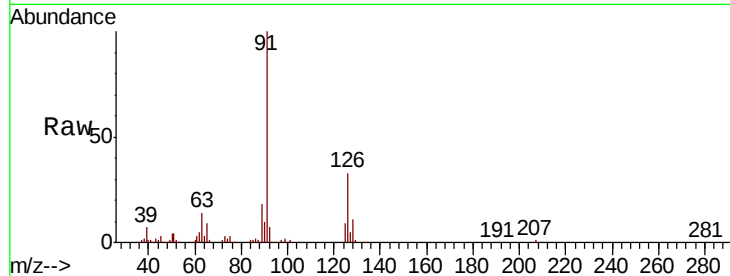
#79
 2-Chlorotoluene
 Concen: 18.964 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN059369.D
 Acq: 22 Nov 2019 16:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1122WBSD01

Tot Ion: 91 Resp: 249798
 Ion Ratio Lower Upper
 91 100
 126 33.6 16.7 50.1

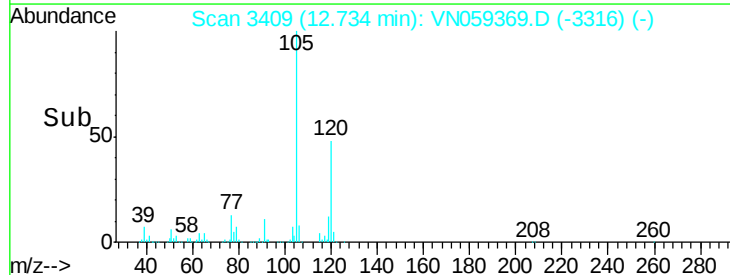
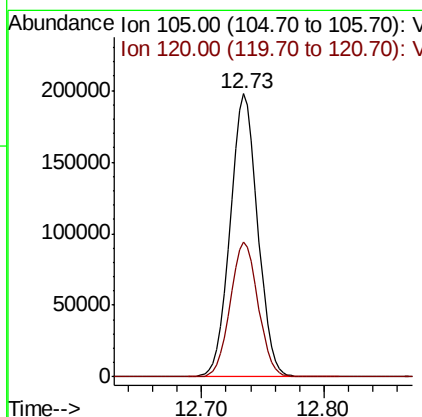
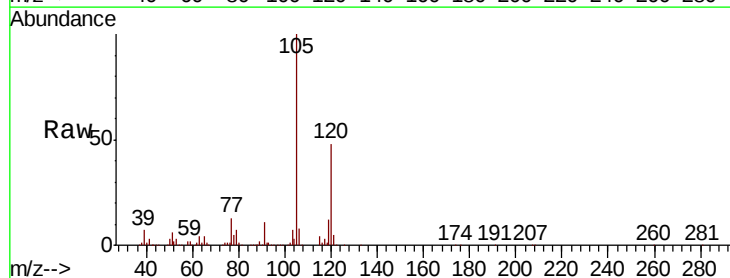
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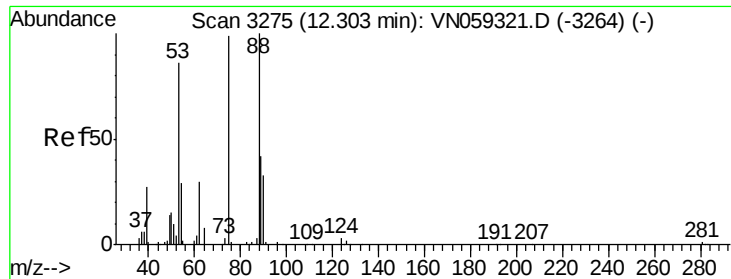
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#80
 1,3,5-Trimethylbenzene
 Concen: 19.523 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN059369.D
 Acq: 22 Nov 2019 16:52

Tgt Ion: 105 Resp: 310922
 Ion Ratio Lower Upper
 105 100
 120 48.2 24.1 72.4





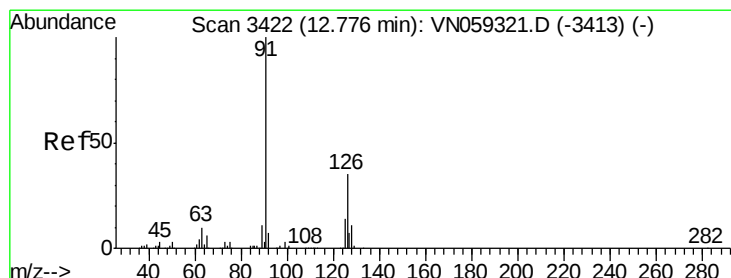
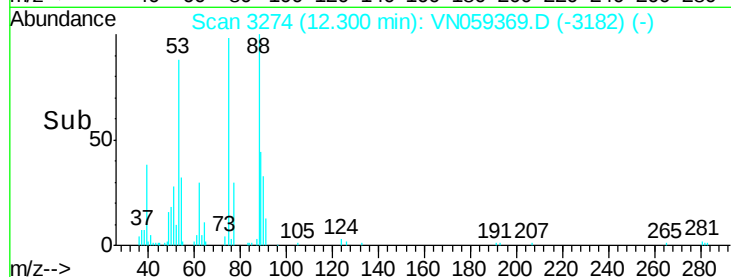
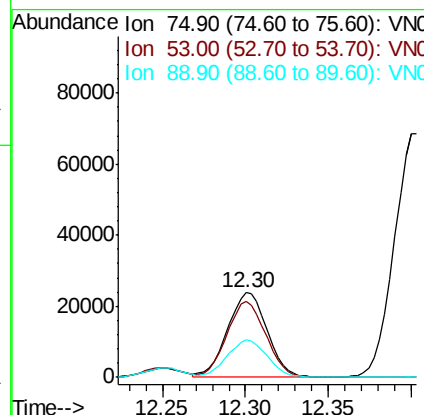
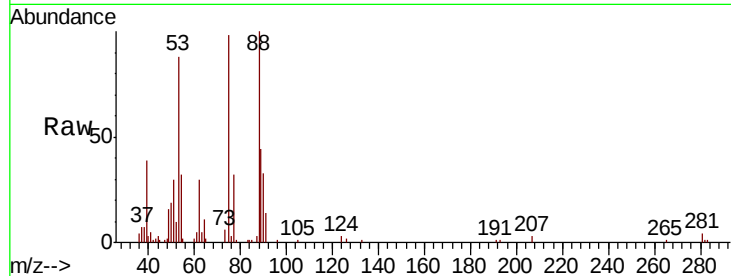
#81
trans-1,4-Dichloro-2-butene
Concen: 18.697 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN059369.D
Acq: 22 Nov 2019 16:52

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	86.6	70.7	106.1
89	44.4	35.4	53.0

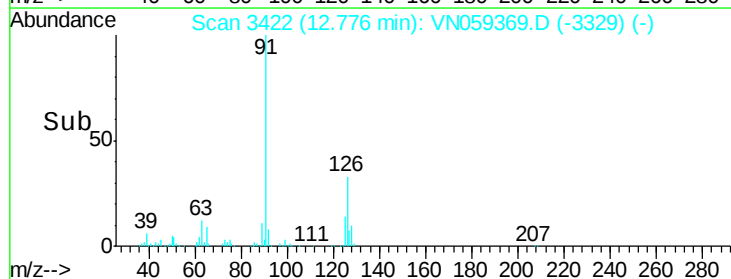
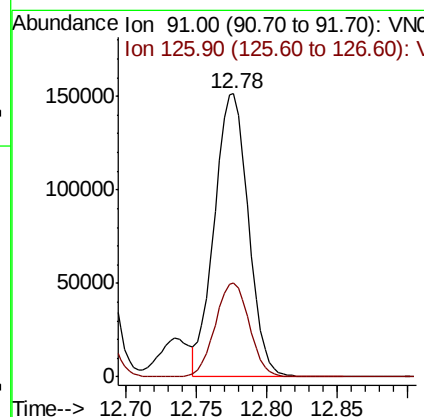
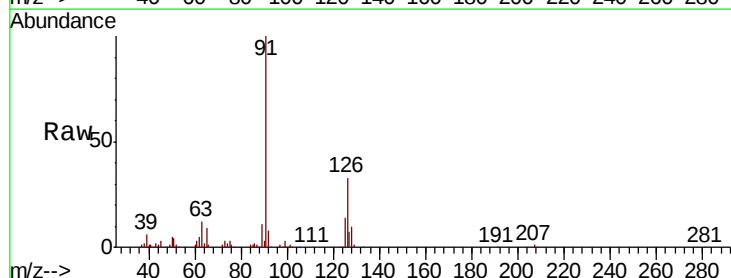
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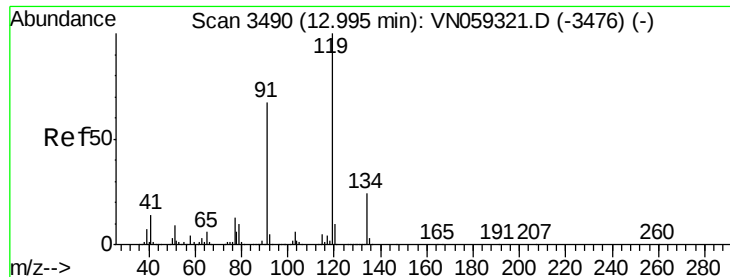
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#82
4-Chlorotoluene
Concen: 18.503 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN059369.D
Acq: 22 Nov 2019 16:52

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.4	16.2	48.6





#83

tert-Butylbenzene

Concen: 19.780 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN059369.D

Acq: 22 Nov 2019 16:52

Instrument :

MSVOA_N

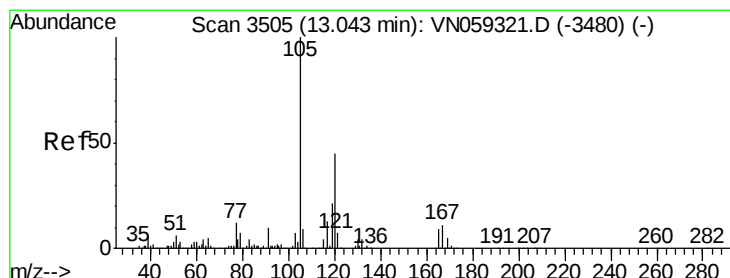
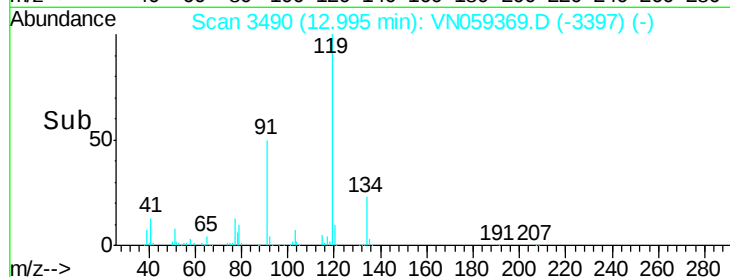
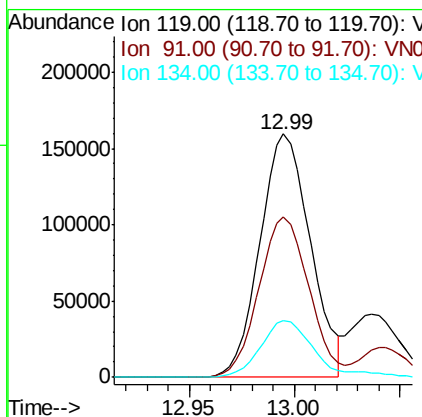
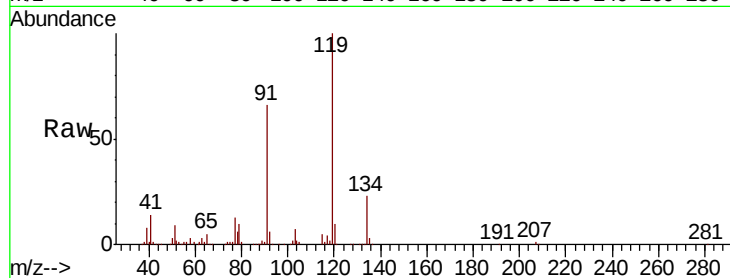
ClientSampleId :

VN1122WBSD01

Tot Ion:	119	Resp:	266051
Ion Ratio	Lower	Upper	
119	100		
91	65.3	32.8	98.4
134	25.0	13.0	38.9

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 19.541 ug/l

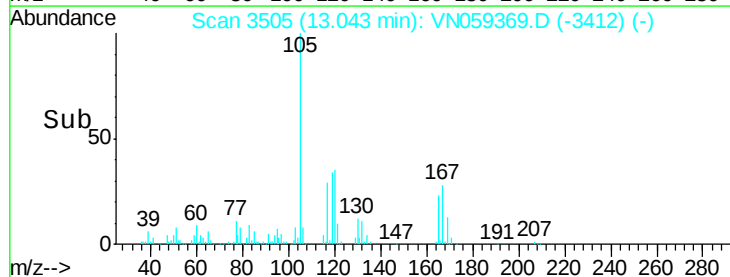
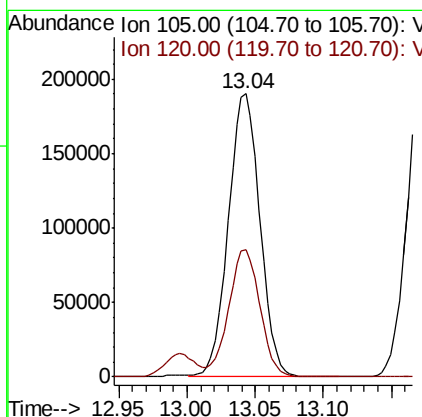
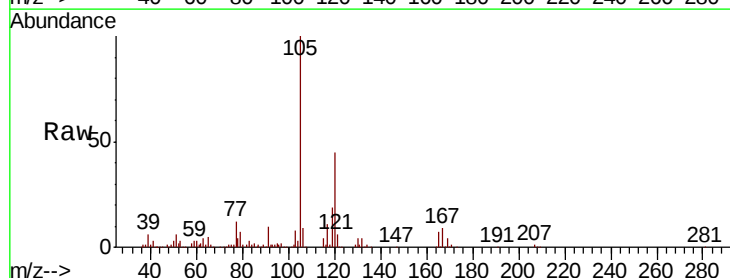
RT: 13.04 min Scan# 3505

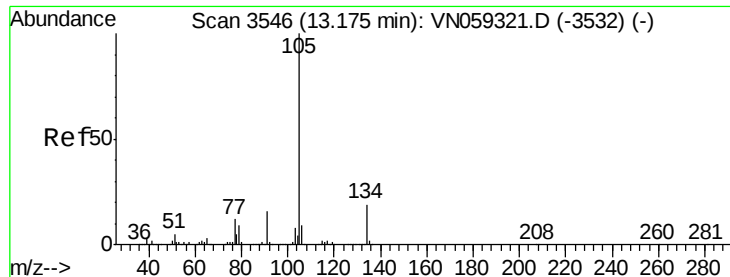
Delta R.T. 0.00 min

Lab File: VN059369.D

Acq: 22 Nov 2019 16:52

Tgt Ion:	105	Resp:	304863
Ion Ratio	Lower	Upper	
105	100		
120	44.4	22.6	67.8





#85

sec-Butylbenzene

Concen: 19.729 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059369.D

Acq: 22 Nov 2019 16:52

Instrument :

MSVOA_N

ClientSampleId :

VN1122WBSD01

Tot Ion:105 Resp: 356673

Ion Ratio Lower Upper

105 100

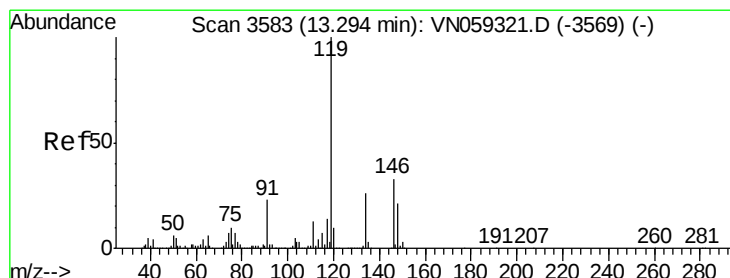
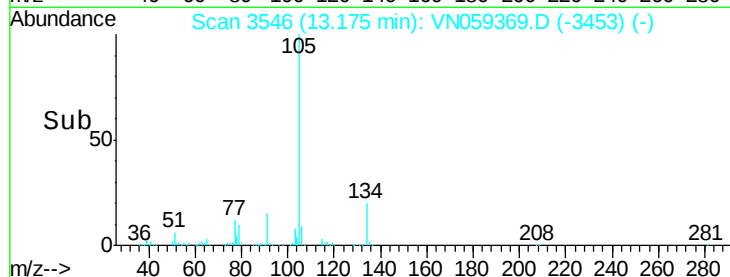
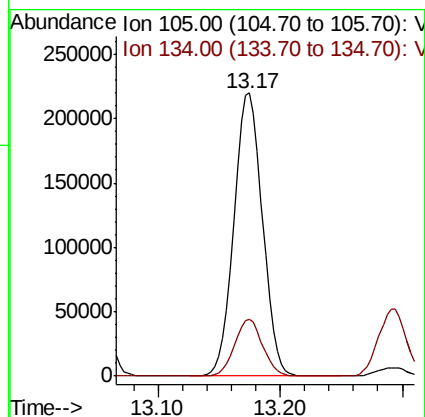
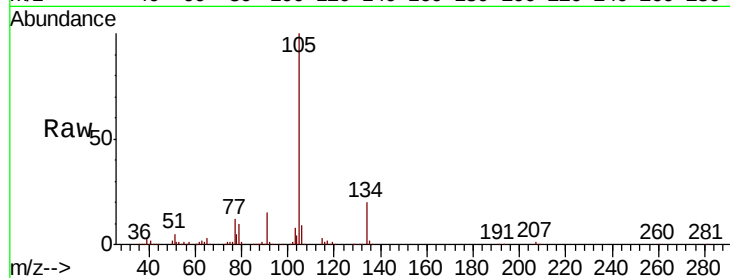
134 19.6 9.8 29.3

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#86

p-Isopropyltoluene

Concen: 19.615 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059369.D

Acq: 22 Nov 2019 16:52

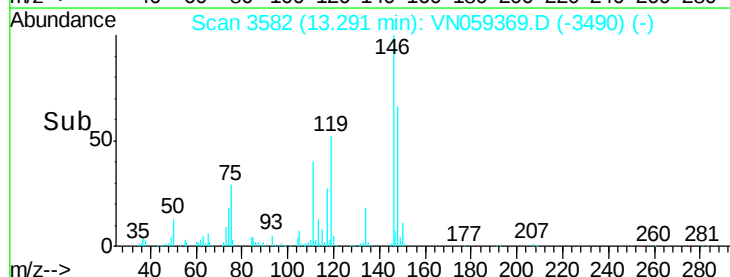
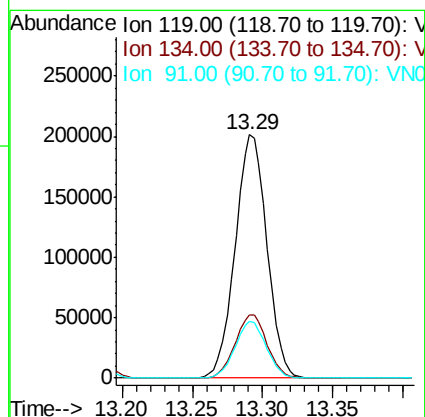
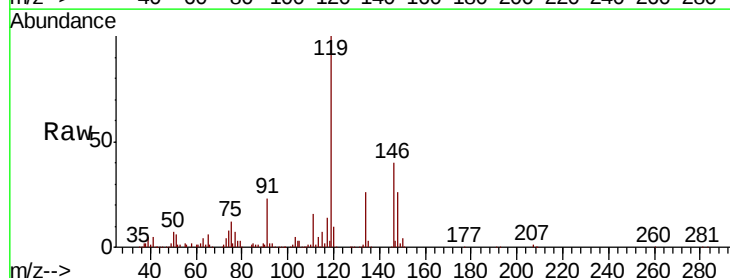
Tgt Ion:119 Resp: 315545

Ion Ratio Lower Upper

119 100

134 26.2 13.0 38.9

91 22.7 11.6 34.7





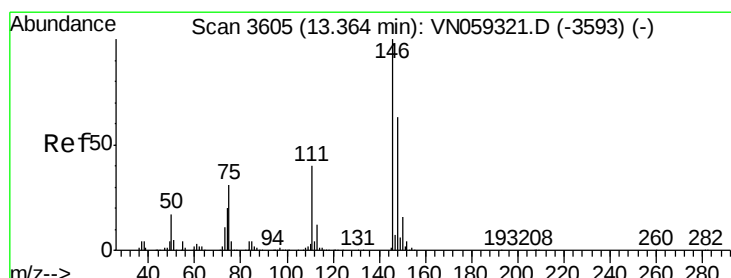
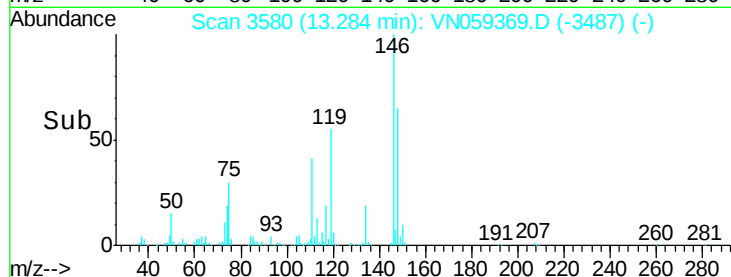
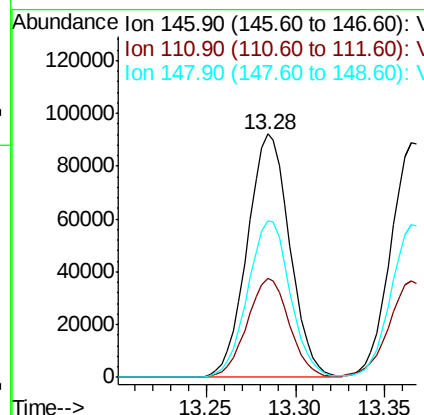
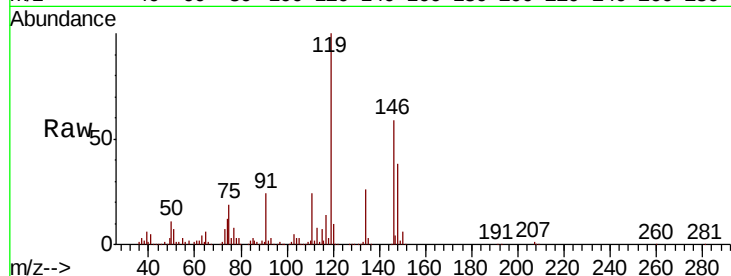
#87
 1,3-Dichlorobenzene
 Concen: 18.716 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN059369.D
 Acq: 22 Nov 2019 16:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1122WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	153161		
111	40.5	20.6	61.8	
148	64.5	31.9	95.5	

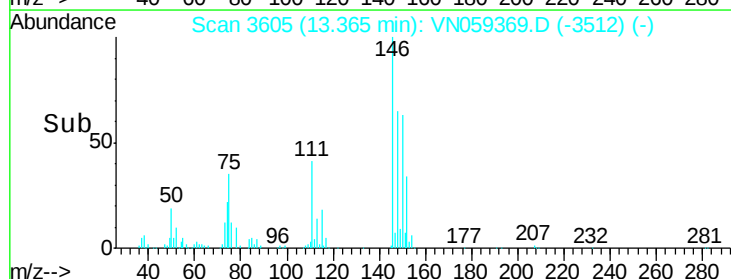
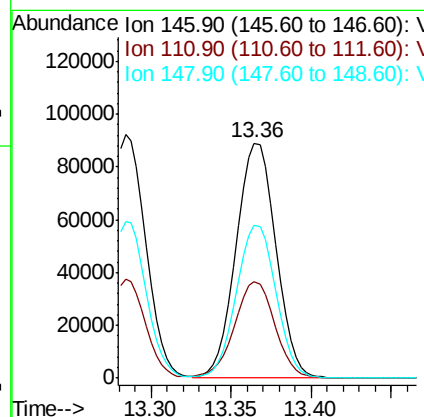
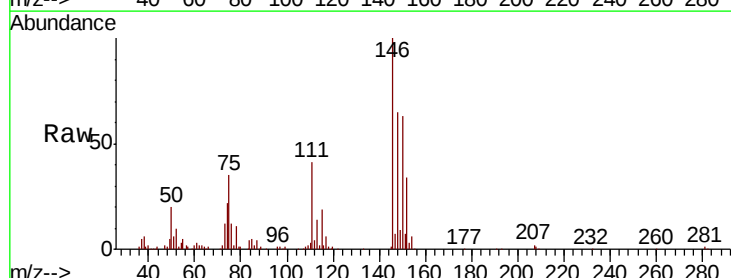
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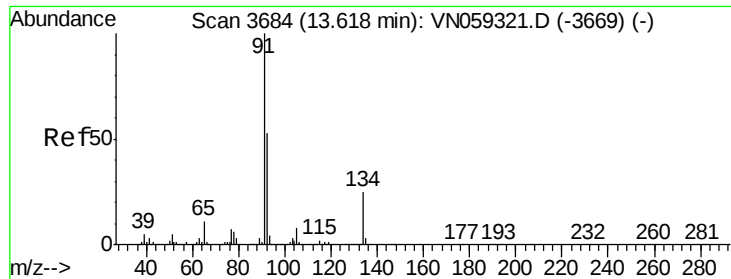
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#88
 1,4-Dichlorobenzene
 Concen: 18.594 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN059369.D
 Acq: 22 Nov 2019 16:52

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	150550		
111	42.2	20.1	60.3	
148	65.2	31.7	95.1	





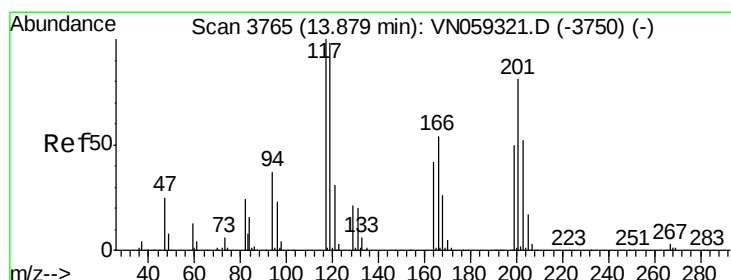
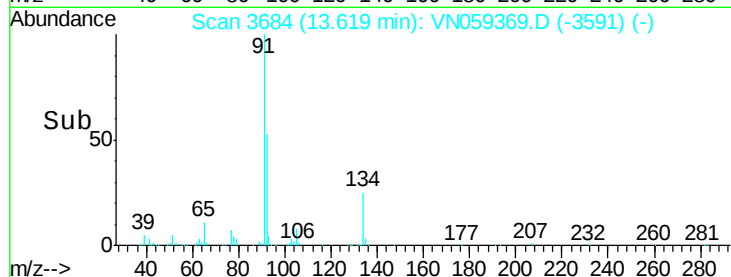
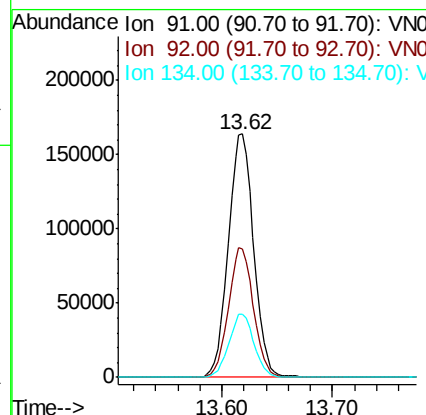
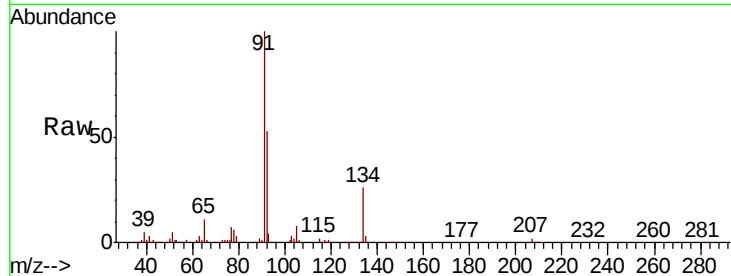
#89
n-Butylbenzene
Concen: 18.514 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN059369.D
Acq: 22 Nov 2019 16:52

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.0	78.0
134	25.8	12.7	38.1

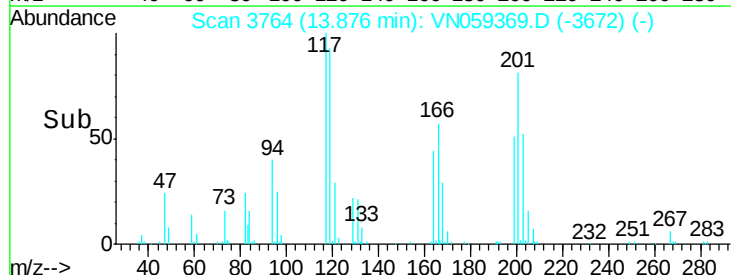
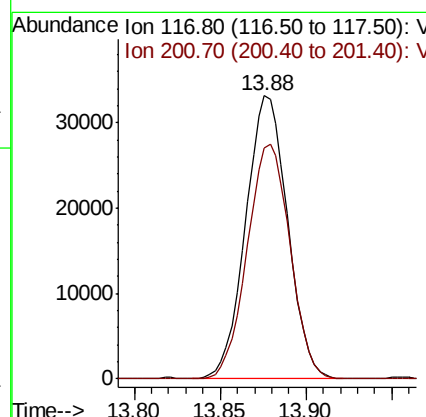
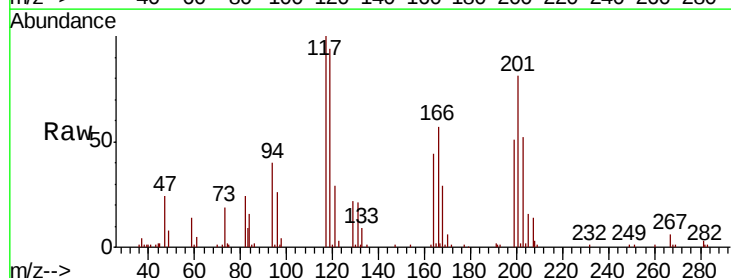
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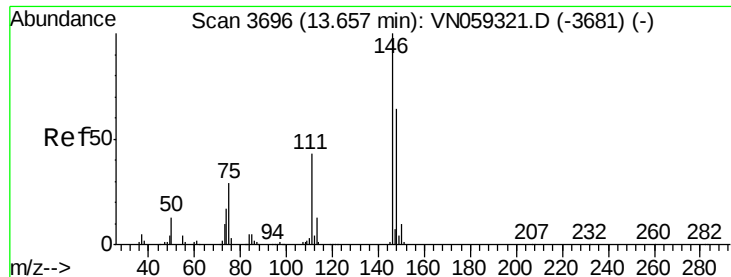
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11/26/2019 2:43:26 PM



#90
Hexachloroethane
Concen: 18.502 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059369.D
Acq: 22 Nov 2019 16:52

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.2	40.4	121.2





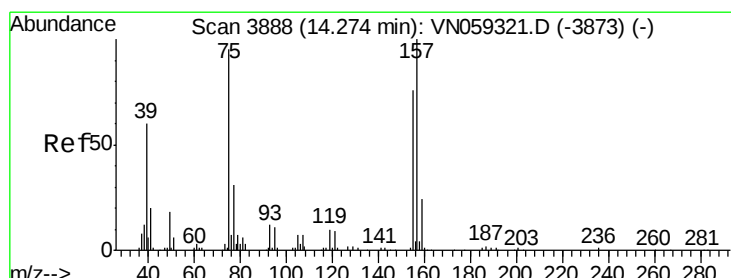
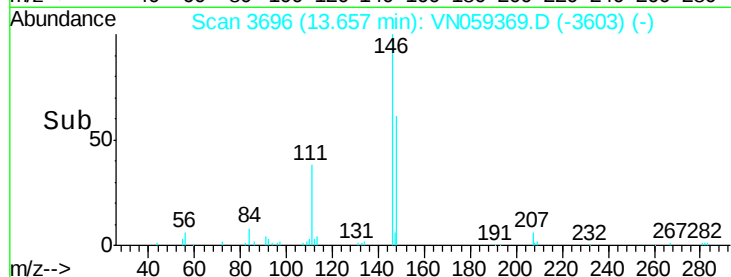
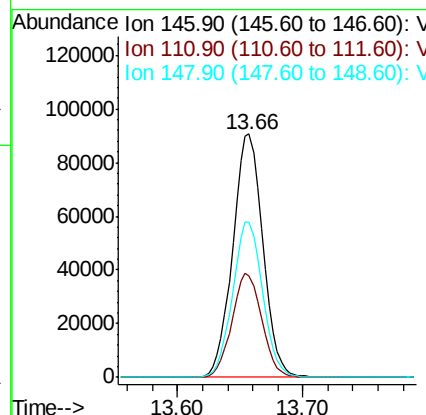
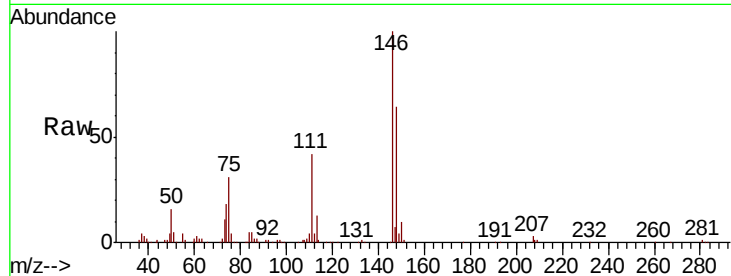
#91
 1,2-Dichlorobenzene
 Concen: 19.121 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN059369.D
 Acq: 22 Nov 2019 16:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1122WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.3	64.0
148	63.5	31.9	95.5

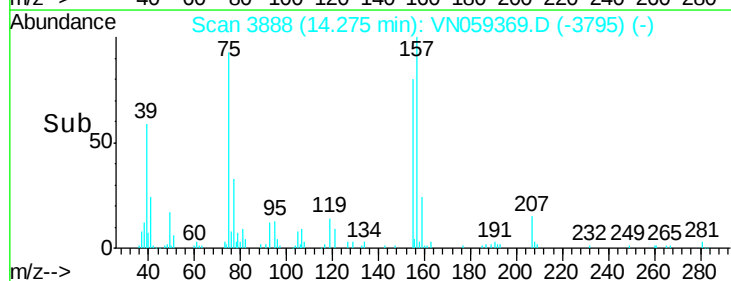
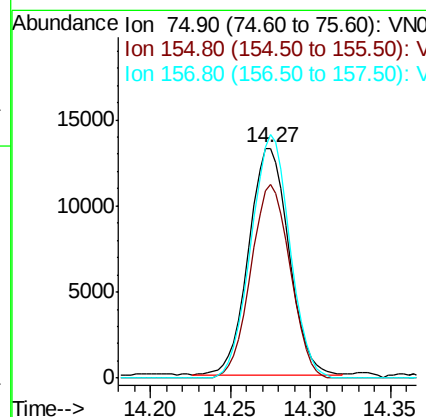
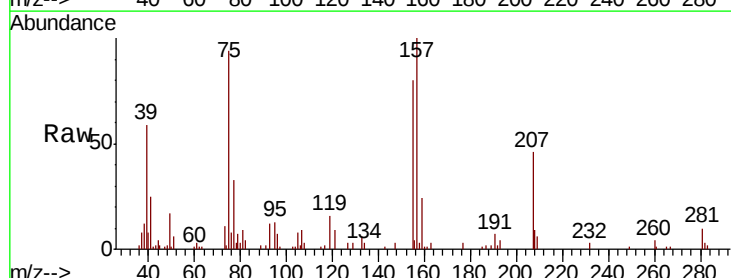
Manual Integrations
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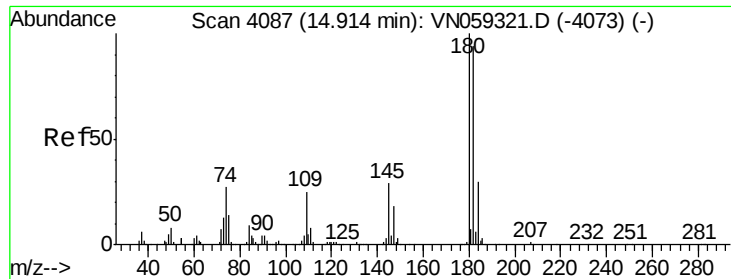
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.905 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN059369.D
 Acq: 22 Nov 2019 16:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.8	40.5	121.5
157	104.2	52.7	158.1





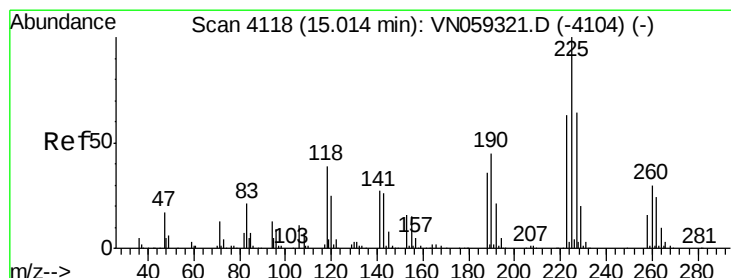
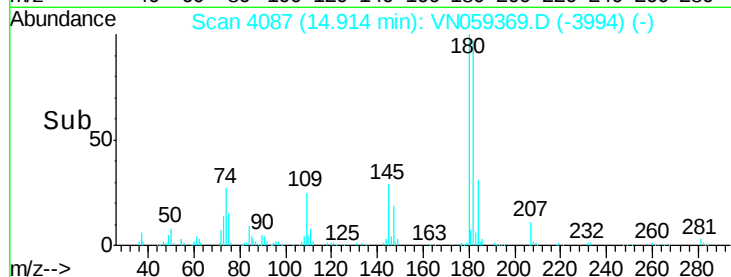
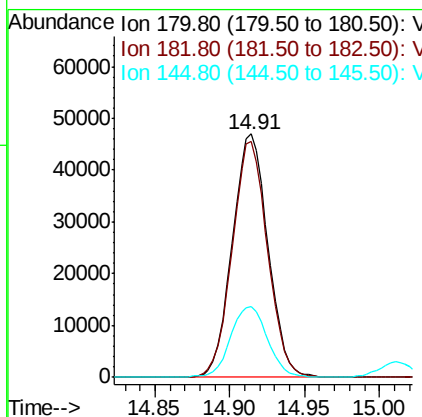
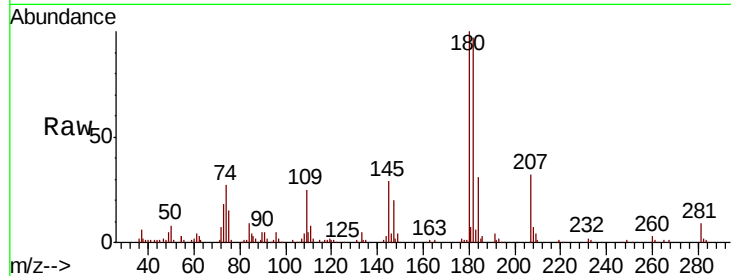
#93
 1,2,4-Trichlorobenzene
 Concen: 17.832 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059369.D
 Acq: 22 Nov 2019 16:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1122WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.2	141.6
145	30.1	14.9	44.5

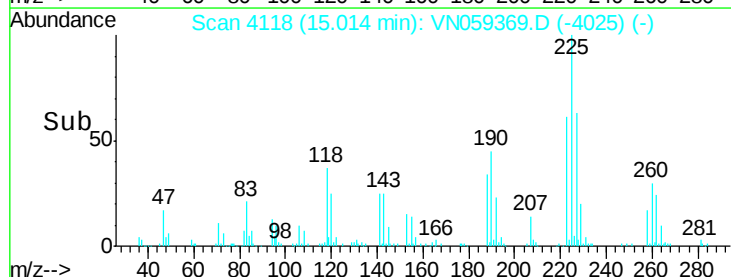
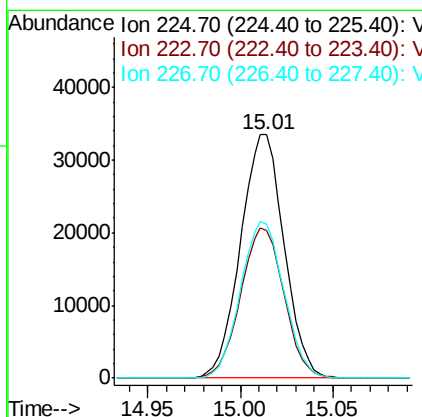
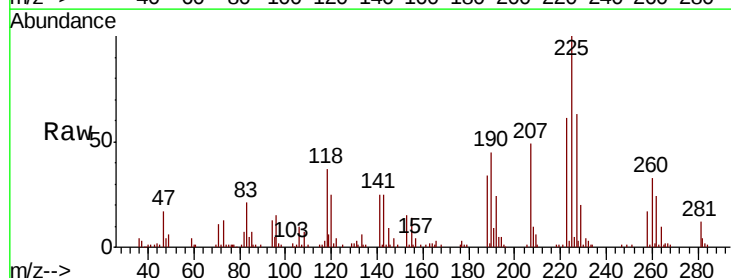
Manual Integrations
 APPROVED

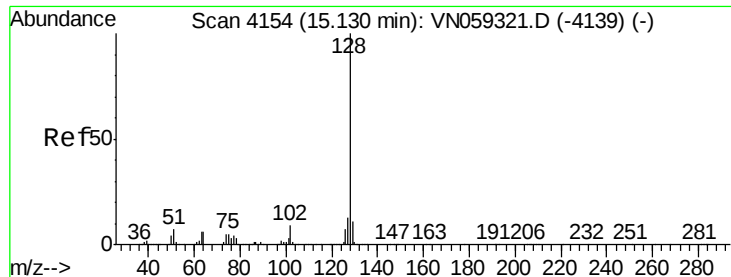
MMDadoda
 11/26/2019 2:43:26 PM



#94
 Hexachlorobutadiene
 Concen: 19.126 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN059369.D
 Acq: 22 Nov 2019 16:52

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.3	31.6	94.8
227	64.0	32.6	97.7





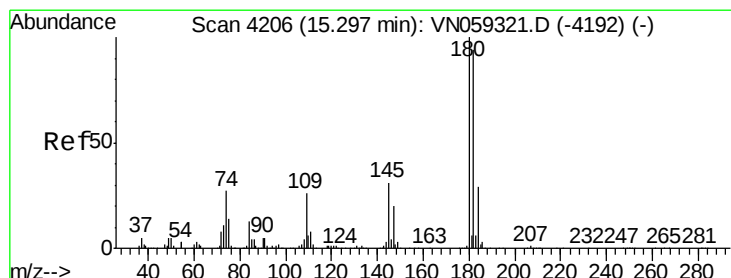
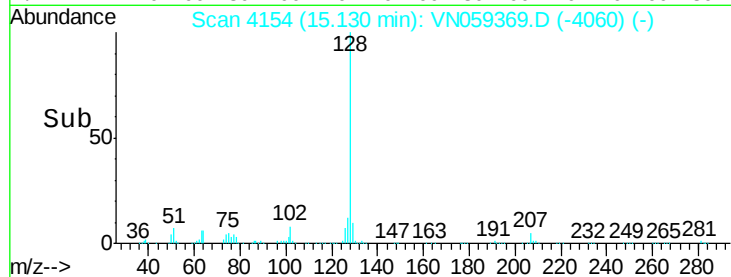
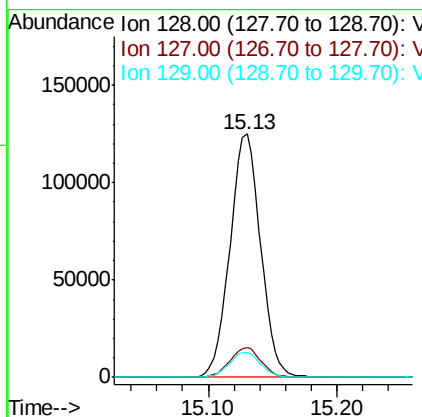
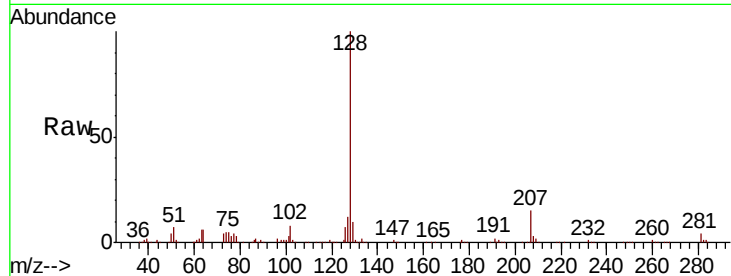
#95
Naphthalene
Concen: 17.342 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059369.D
Acq: 22 Nov 2019 16:52

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.2	15.2
129	10.6	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
11/26/2019 2:43:26 PM



#96
1,2,3-Trichlorobenzene
Concen: 17.608 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN059369.D
Acq: 22 Nov 2019 16:52

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.1	141.4
145	32.5	15.6	46.8

