

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102419\
 Data File : VN058928.D
 Acq On : 23 Oct 2019 14:40
 Operator : JC/SP
 Sample : VN1024WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/25/2019 2:44:23 PM

Quant Time: Oct 24 02:01:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	330070	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	531872	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	498224	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	232055	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	252993	52.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.52%	
35) Dibromofluoromethane	7.57	113	181764	51.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.96%	
50) Toluene-d8	10.08	98	700127	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	
62) 4-Bromofluorobenzene	12.40	95	245307	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.83	85	83965	20.403	ug/l	99
3) Chloromethane	2.04	50	99500	19.522	ug/l	98
4) Vinyl Chloride	2.17	62	102366	20.228	ug/l	99
5) Bromomethane	2.55	94	62772	19.808	ug/l	94
6) Chloroethane	2.69	64	65556	20.200	ug/l	98
7) Trichlorofluoromethane	3.00	101	128087	20.456	ug/l	97
8) Diethyl Ether	3.39	74	44501	20.565	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	70336	20.262	ug/l	99
10) Methyl Iodide	3.93	142	91753	20.097	ug/l	98
11) Tert butyl alcohol	4.76	59	77770	96.808	ug/l	99
12) 1,1-Dichloroethene	3.72	96	66107	20.316	ug/l	95
13) Acrolein	3.58	56	36013	65.243	ug/l	98
14) Allyl chloride	4.30	41	131959	20.042	ug/l	99
15) Acrylonitrile	4.96	53	209501	103.676	ug/l	99
16) Acetone	3.80	43	200985	84.019	ug/l	98
17) Carbon Disulfide	4.03	76	198647	18.952	ug/l	100
18) Methyl Acetate	4.30	43	116924	21.499	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	236515	20.758	ug/l	100
20) Methylene Chloride	4.53	84	80490	19.706	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	73120	20.348	ug/l	96
22) Diisopropyl ether	5.93	45	268630	20.858	ug/l	96
23) Vinyl Acetate	5.87	43	1126392	108.860	ug/l	100
24) 1,1-Dichloroethane	5.82	63	153264	20.524	ug/l	98
25) 2-Butanone	6.82	43	293061	94.376	ug/l	99
26) 2,2-Dichloropropane	6.81	77	123071	19.053	ug/l	97
27) cis-1,2-Dichloroethene	6.81	96	83461	20.332	ug/l	99
28) Bromochloromethane	7.17	49	51200	20.587	ug/l	99
29) Tetrahydrofuran	7.19	42	193044	101.625	ug/l	99
30) Chloroform	7.36	83	151414	20.213	ug/l	100
31) Cyclohexane	7.64	56	135003	19.405	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	128521	20.355	ug/l	98
36) 1,1-Dichloropropene	7.78	75	109487	20.107	ug/l	99
37) Ethyl Acetate	6.91	43	124486	20.981	ug/l	99
38) Carbon Tetrachloride	7.76	117	111573	19.889	ug/l	98

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MMDadoda
 10/25/2019 2:44:23 PM

Quant Time: Oct 24 02:01:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	117993	19.298	ug/l	96
40) Benzene	8.03	78	328386	20.537	ug/l	99
41) Methacrylonitrile	7.15	41	46389	17.555	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	125005	20.295	ug/l	100
43) Isopropyl Acetate	8.15	43	192840	20.266	ug/l #	91
44) Trichloroethene	8.82	130	77233	19.828	ug/l	99
45) 1,2-Dichloropropane	9.11	63	89252	20.356	ug/l	100
46) Dibromomethane	9.20	93	57028	20.574	ug/l	98
47) Bromodichloromethane	9.39	83	118099	20.672	ug/l	98
48) Methyl methacrylate	9.19	41	91121	21.106	ug/l	97
49) 1,4-Dioxane	9.19	88	27432	387.069	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	611845	110.083	ug/l	99
52) Toluene	10.15	92	198230	20.905	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	126788	20.047	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	135268	20.019	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	79696	20.402	ug/l	98
56) Ethyl methacrylate	10.43	69	117618	19.271	ug/l	99
57) 1,3-Dichloropropane	10.70	76	138413	20.189	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	247927	93.115	ug/l	100
59) 2-Hexanone	10.75	43	448543	104.437	ug/l	98
60) Dibromochloromethane	10.90	129	86052	20.467	ug/l	99
61) 1,2-Dibromoethane	11.00	107	82014	20.516	ug/l	98
64) Tetrachloroethene	10.63	164	69344	19.874	ug/l	99
65) Chlorobenzene	11.43	112	206852	20.393	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	78527	20.516	ug/l	99
67) Ethyl Benzene	11.51	91	373072	20.967	ug/l	99
68) m/p-Xylenes	11.62	106	275050	41.683	ug/l	99
69) o-Xylene	11.95	106	128559	20.428	ug/l	99
70) Styrene	11.97	104	210001	19.172	ug/l	99
71) Bromoform	12.13	173	59302	19.980	ug/l #	99
73) Isopropylbenzene	12.25	105	357438	21.077	ug/l	100
74) N-amyl acetate	12.07	43	160591	20.887	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	126293	21.179	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	120882m	22.477	ug/l	
77) Bromobenzene	12.53	156	85803	20.527	ug/l	99
78) n-propylbenzene	12.59	91	420942	20.999	ug/l	100
79) 2-Chlorotoluene	12.68	91	249874	20.366	ug/l	98
80) 1,3,5-Trimethylbenzene	12.74	105	302565	21.235	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	40863	19.793	ug/l	99
82) 4-Chlorotoluene	12.78	91	261145	20.828	ug/l	99
83) tert-Butylbenzene	13.00	119	251634	20.652	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	300883	21.409	ug/l	98
85) sec-Butylbenzene	13.18	105	344850	21.228	ug/l	99
86) p-Isopropyltoluene	13.29	119	305393	21.306	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	153105	20.484	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	151241	20.211	ug/l	99
89) n-Butylbenzene	13.62	91	265916	20.195	ug/l	100
90) Hexachloroethane	13.88	117	59210	20.386	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	151588	20.635	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.28	75	26636	19.749	ug/l	95

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	81067	19.166	ug/l	100
94) Hexachlorobutadiene	15.01	225	46084	19.354	ug/l	99
95) Naphthalene	15.13	128	226503	18.508	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	80116	19.337	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058928.D

Acq: 23 Oct 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBSD01

Tot Ion:168 Resp: 330070

Ion Ratio Lower Upper

168 100

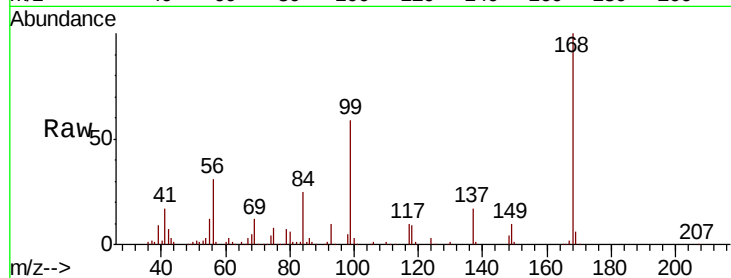
99 58.5 48.1 72.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

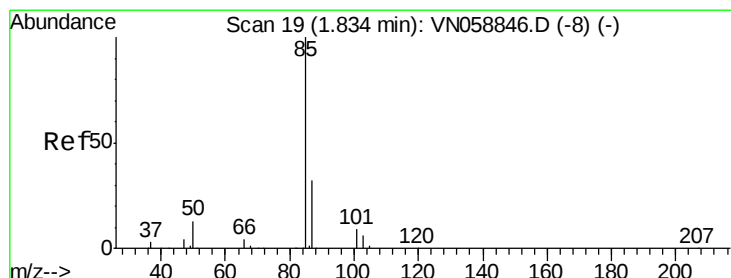
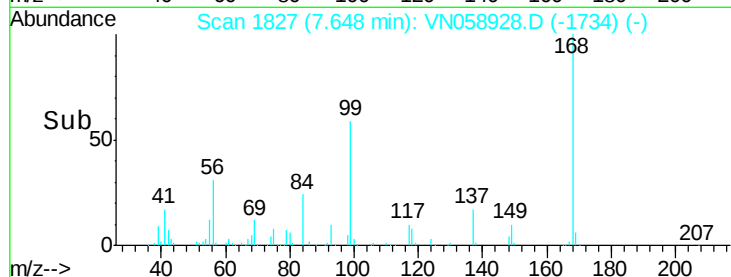
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50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 20.403 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058928.D

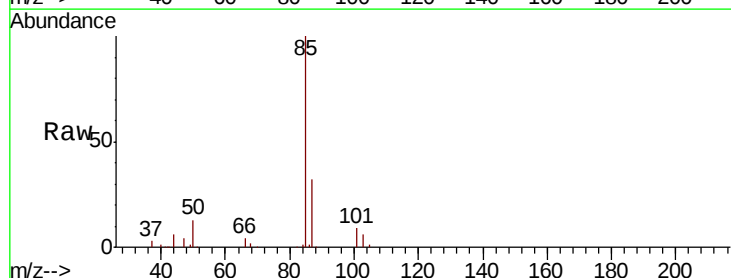
Acq: 23 Oct 2019 14:40

Tgt Ion: 85 Resp: 83965

Ion Ratio Lower Upper

85 100

87 31.6 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

60000

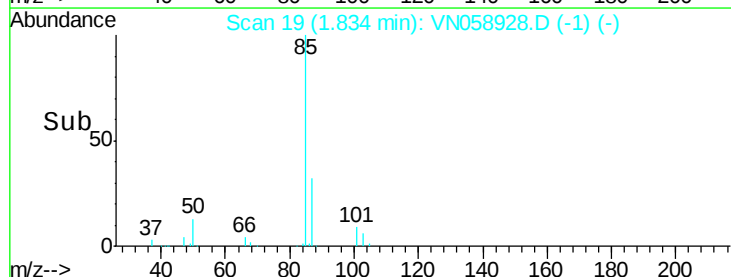
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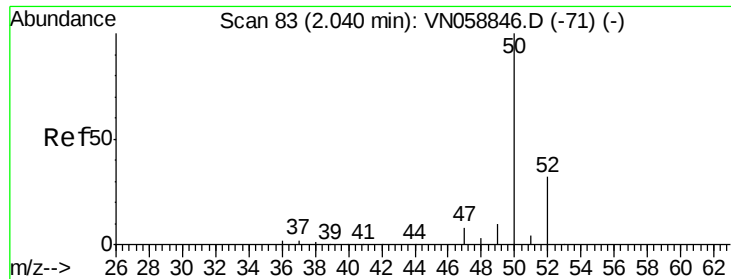
20000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 19.522 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058928.D

Acq: 23 Oct 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBSD01

Tot Ion: 50 Resp: 99500

Ion Ratio Lower Upper

50 100

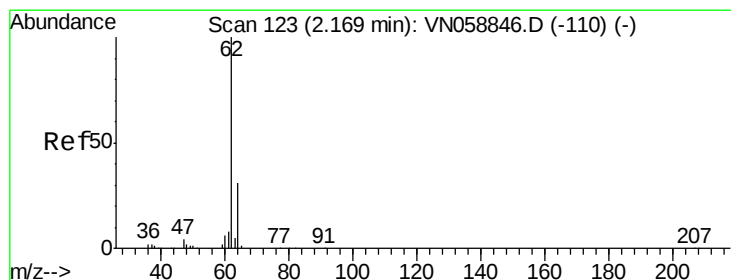
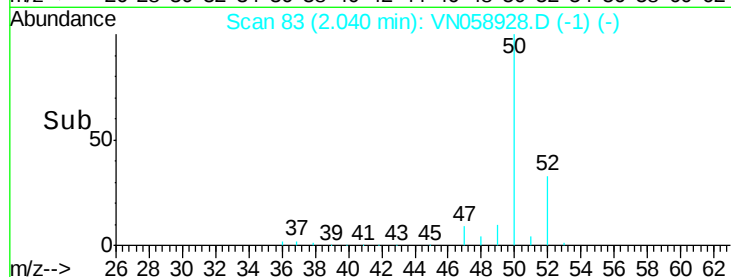
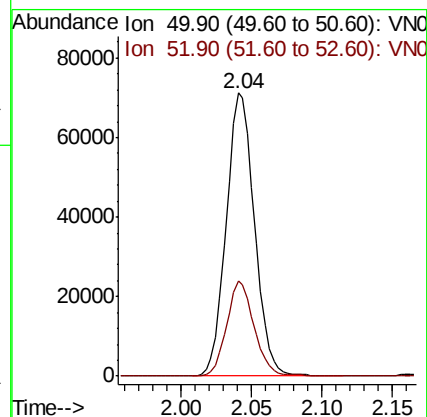
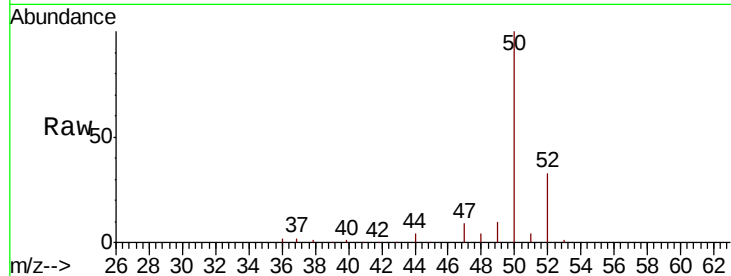
52 33.5 25.7 38.5

Manual Integrations

APPROVED

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#4

Vinyl Chloride

Concen: 20.228 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058928.D

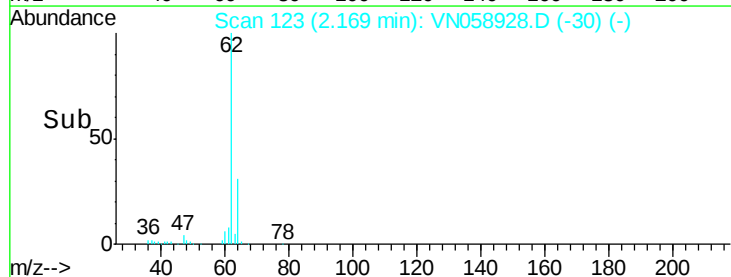
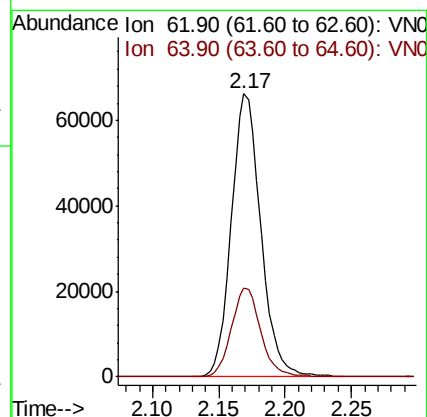
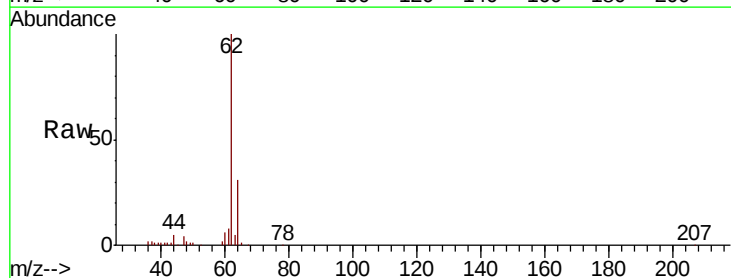
Acq: 23 Oct 2019 14:40

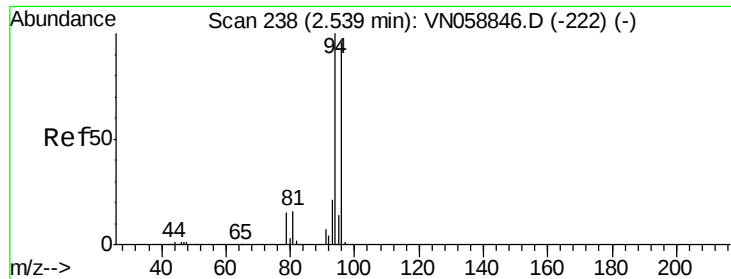
Tgt Ion: 62 Resp: 102366

Ion Ratio Lower Upper

62 100

64 31.2 24.6 36.8





#5

Bromomethane

Concen: 19.808 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN058928.D

Acq: 23 Oct 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBSD01

Tot Ion: 94 Resp: 62772

Ion Ratio Lower Upper

94 100

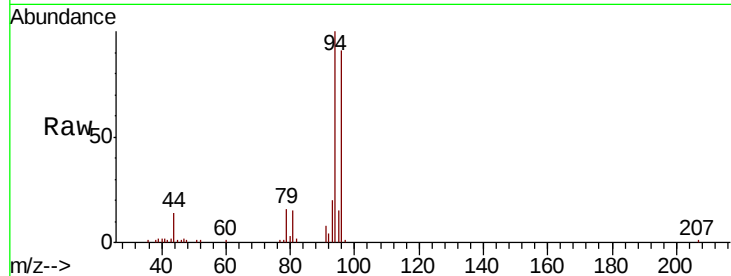
96 90.7 77.0 115.6

Manual Integrations

APPROVED

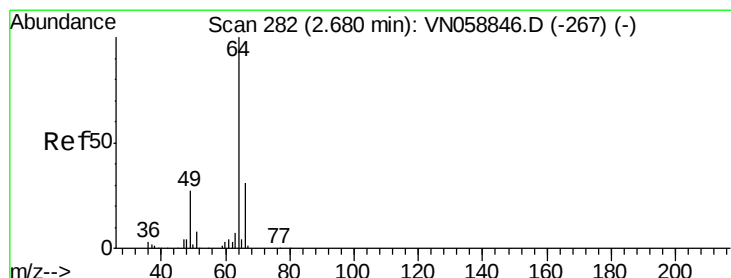
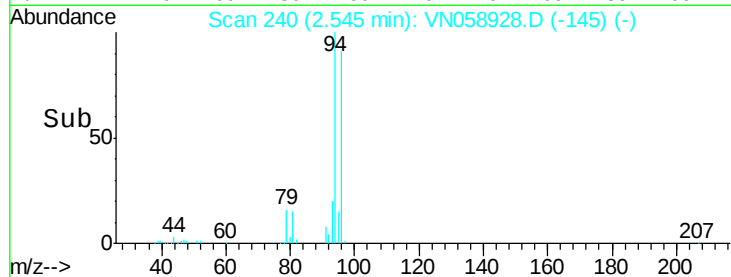
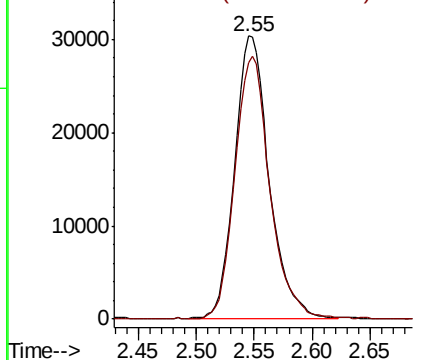
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Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC



#6

Chloroethane

Concen: 20.200 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN058928.D

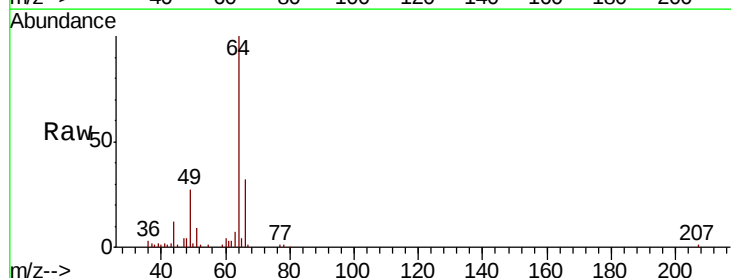
Acq: 23 Oct 2019 14:40

Tgt Ion: 64 Resp: 65556

Ion Ratio Lower Upper

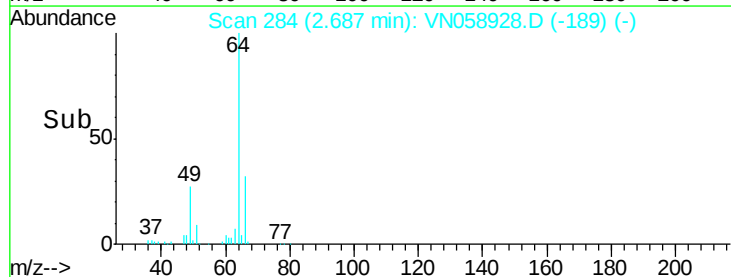
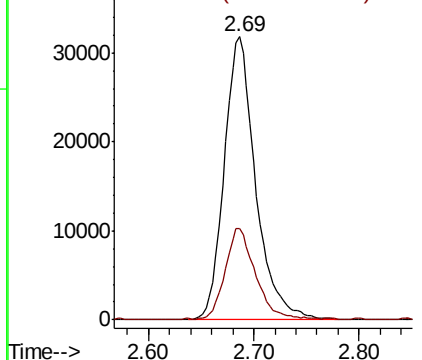
64 100

66 32.3 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC





#7

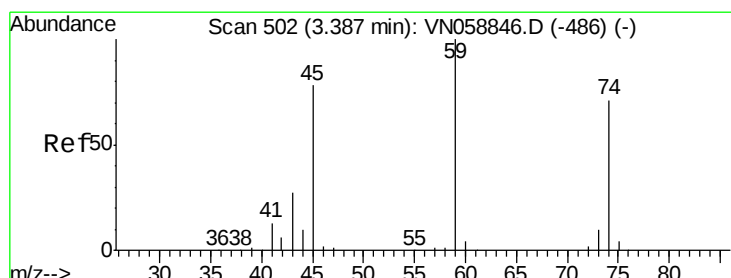
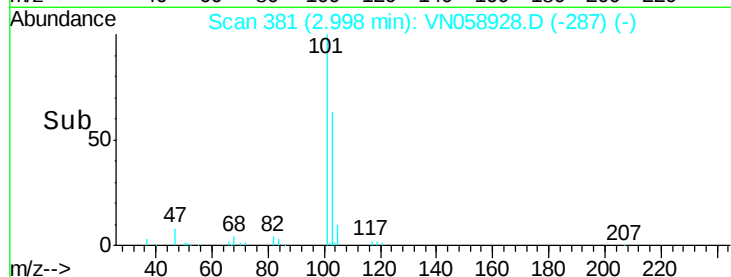
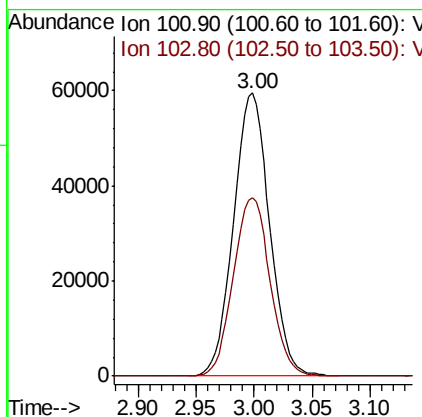
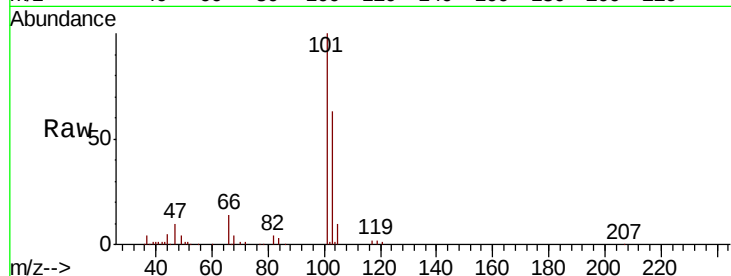
Trichlorofluoromethane
Concen: 20.456 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN058928.D
Acq: 23 Oct 2019 14:40

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ClientSampleId :
VN1024WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.9	52.2	78.2

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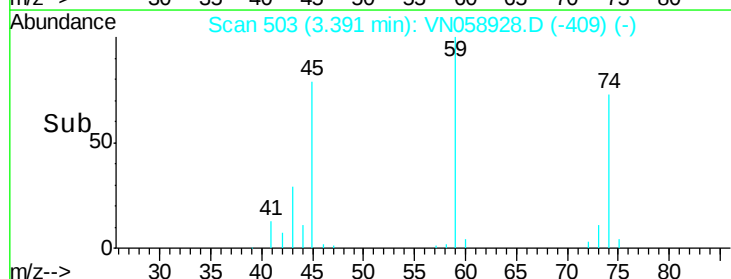
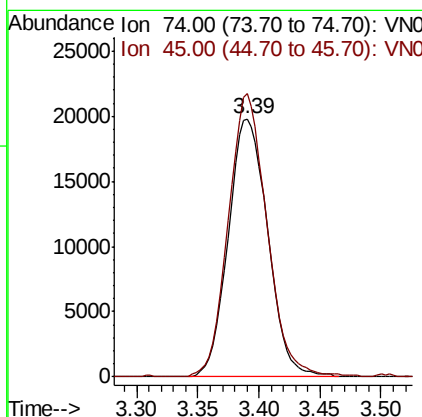
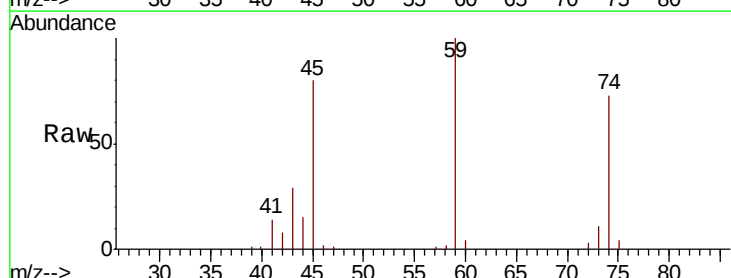
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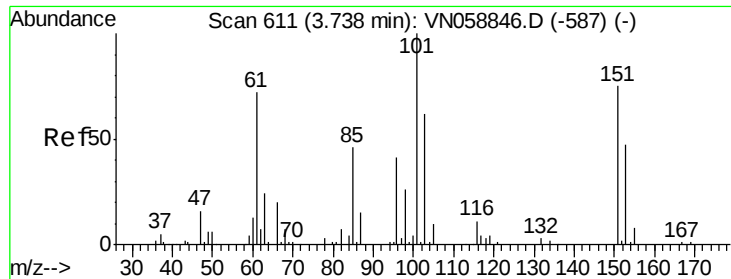


#8

Diethyl Ether
Concen: 20.565 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN058928.D
Acq: 23 Oct 2019 14:40

Tgt Ion	Ratio	Lower	Upper
74	100		
45	107.6	54.9	164.5





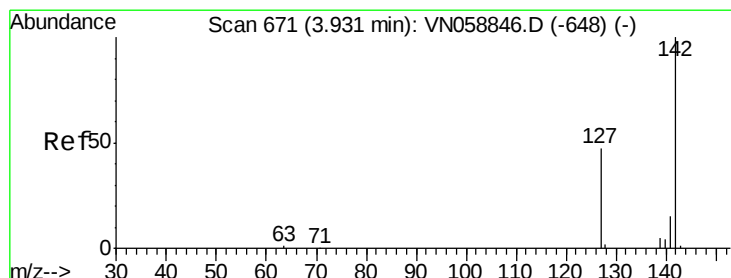
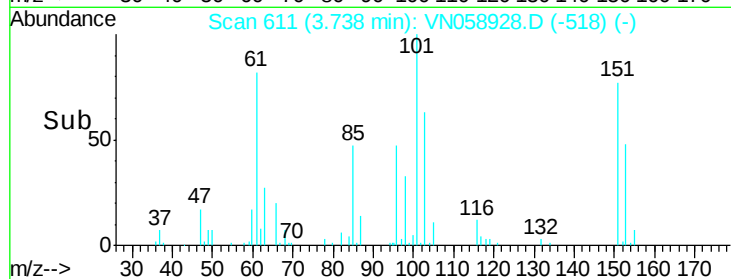
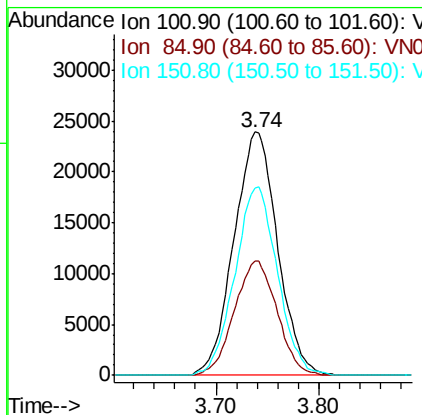
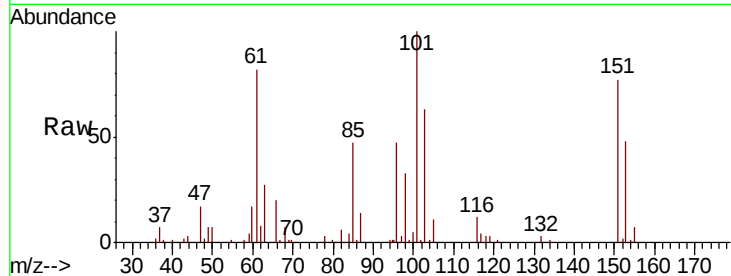
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.262 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN058928.D
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Tot Ion	Ratio	Lower	Upper
101	100		
85	45.9	37.2	55.8
151	75.6	59.9	89.9

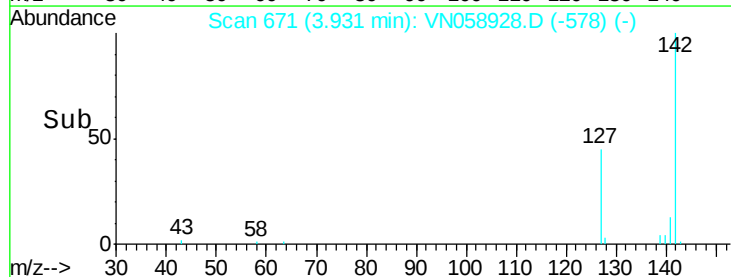
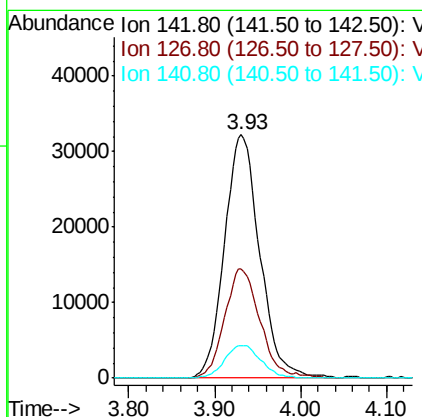
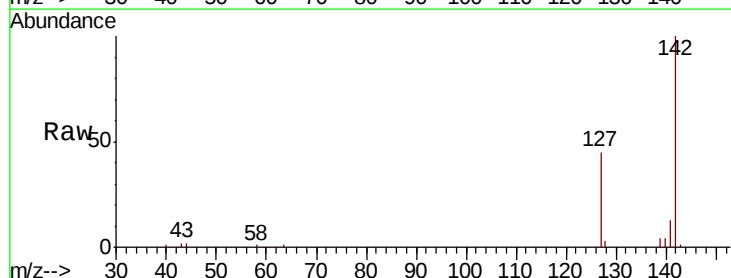
Manual Integrations
 APPROVED

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#10
 Methyl Iodide
 Concen: 20.097 ug/l
 RT: 3.93 min Scan# 671
 Delta R.T. 0.00 min
 Lab File: VN058928.D
 Acq: 23 Oct 2019 14:40

Tgt Ion	Ratio	Lower	Upper
142	100		
127	44.4	36.6	54.8
141	13.8	11.4	17.2





#11

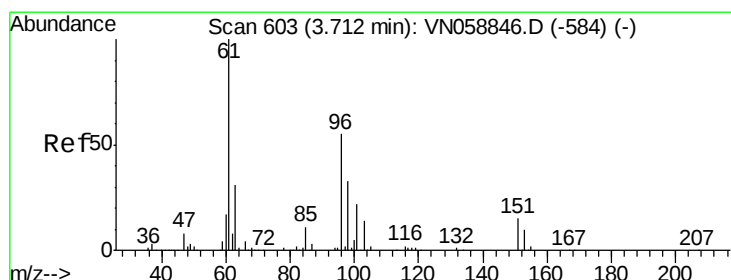
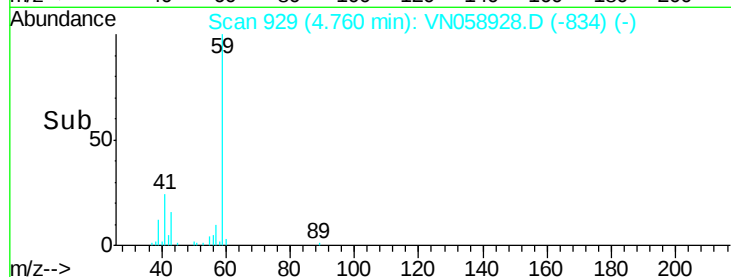
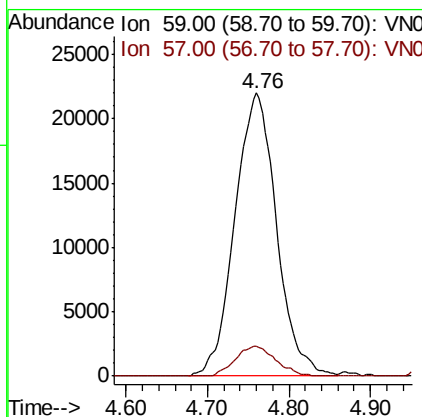
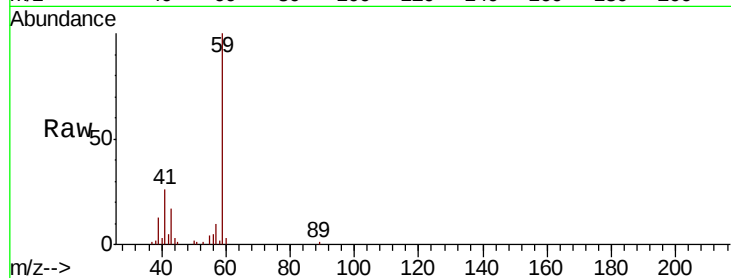
Tert butyl alcohol
Concen: 96.808 ug/l
RT: 4.76 min Scan# 929
Delta R.T. 0.01 min
Lab File: VN058928.D
Acq: 23 Oct 2019 14:40

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBSD01

Tot Ion	59	Resp	77770
Ion Ratio	100	Lower	Upper
57	10.3	8.6	12.8

Manual Integrations
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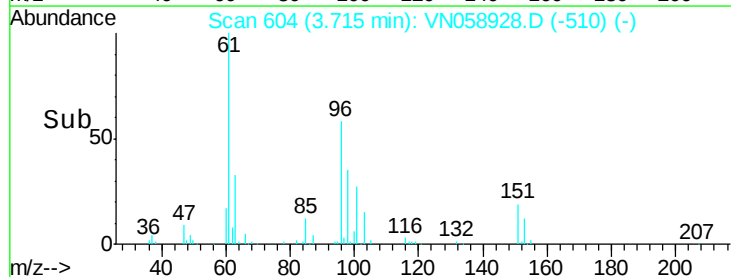
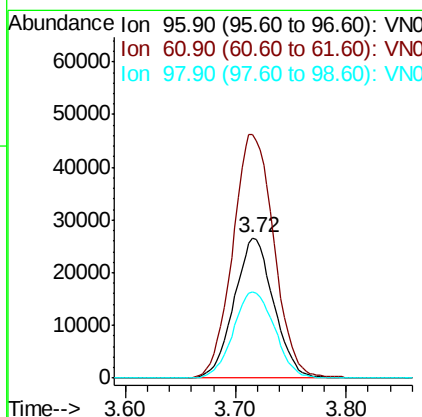
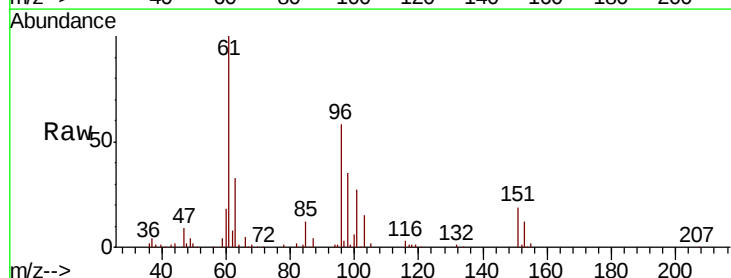
MMDadoda
10/25/2019 2:44:23 PM

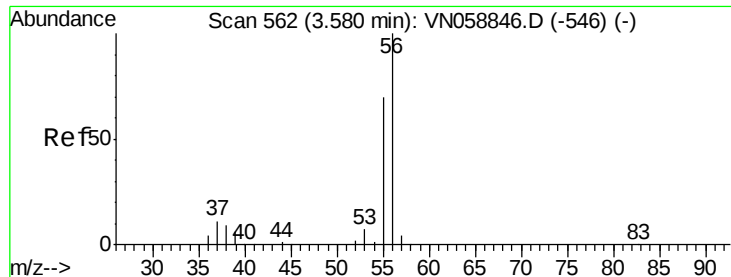


#12

1,1-Dichloroethene
Concen: 20.316 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN058928.D
Acq: 23 Oct 2019 14:40

Tgt Ion	96	Resp	66107
Ion Ratio	100	Lower	Upper
61	173.9	146.2	219.2
98	61.4	48.7	73.1





#13

Acrolein

Concen: 65.243 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN058928.D

Acq: 23 Oct 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBSD01

Tot Ion: 56 Resp: 36013

Ion Ratio Lower Upper

56 100

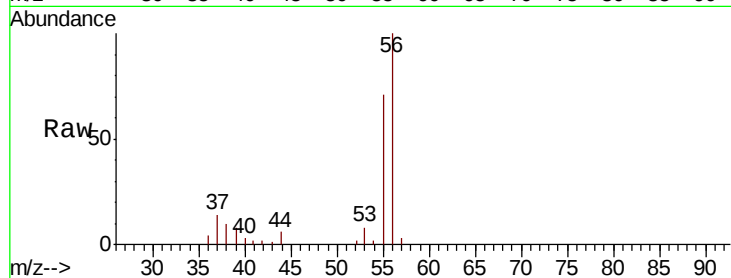
55 72.7 56.6 85.0

Manual Integrations

APPROVED

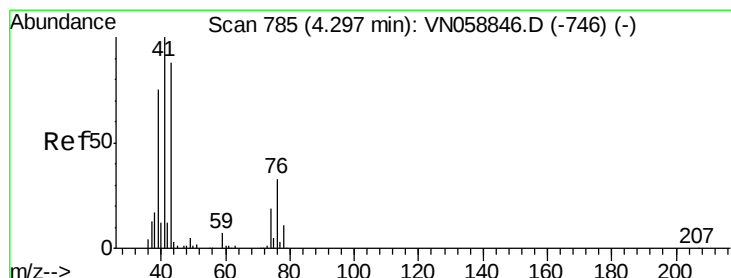
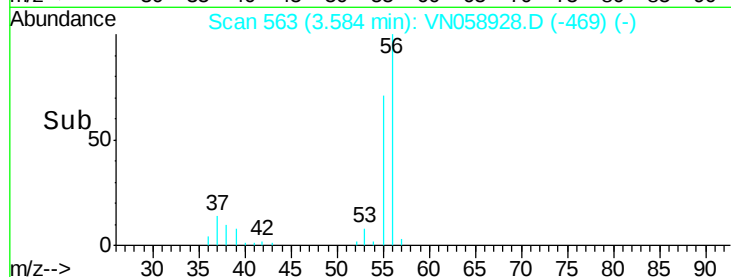
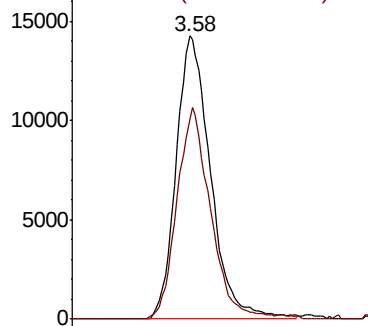
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 20.042 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058928.D

Acq: 23 Oct 2019 14:40

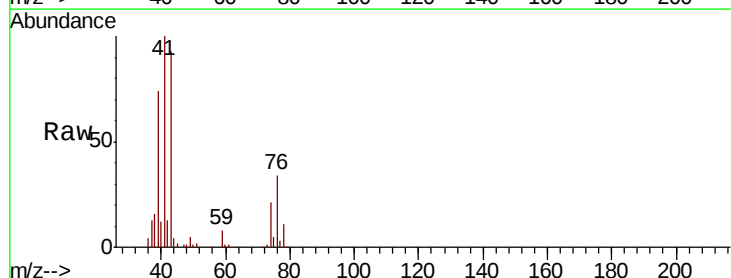
Tgt Ion: 41 Resp: 131959

Ion Ratio Lower Upper

41 100

39 69.4 55.9 83.9

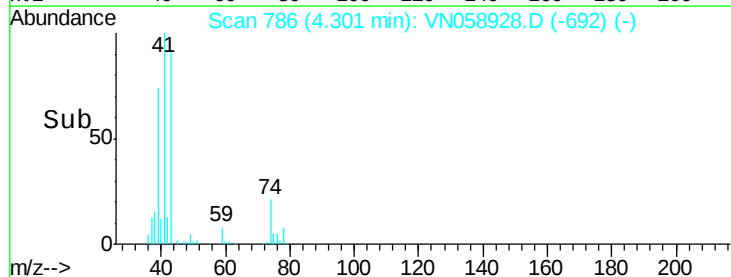
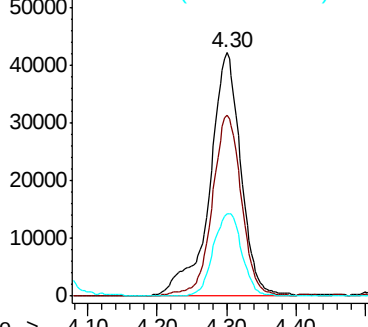
76 31.0 24.1 36.1

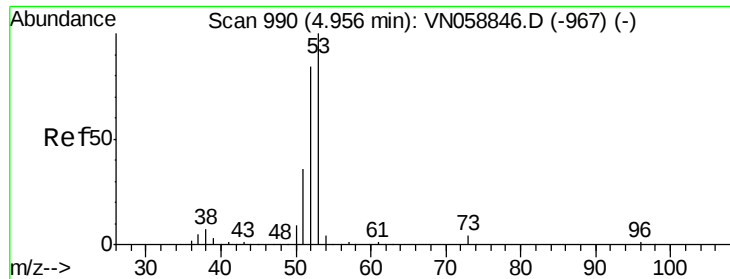


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





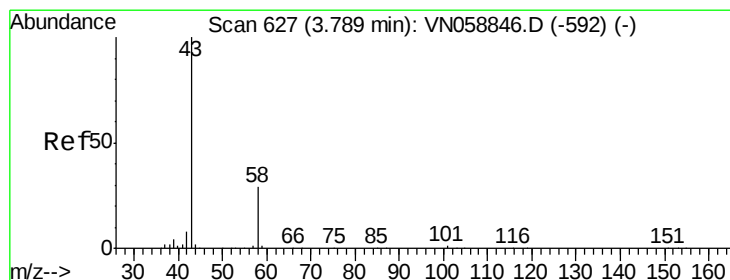
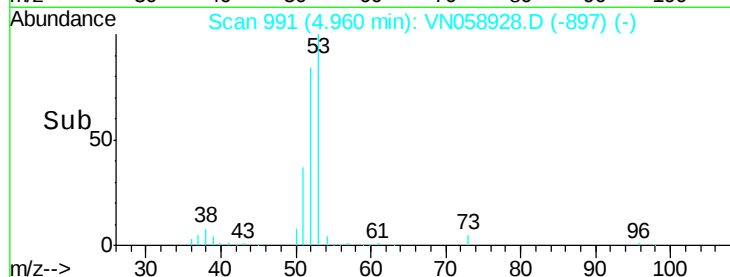
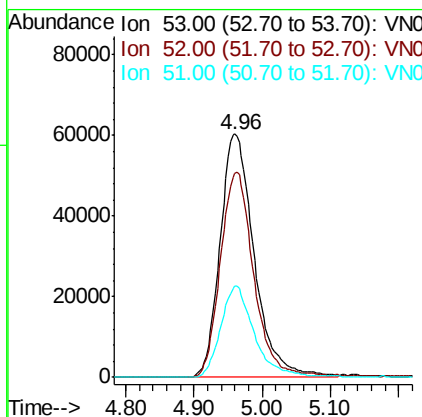
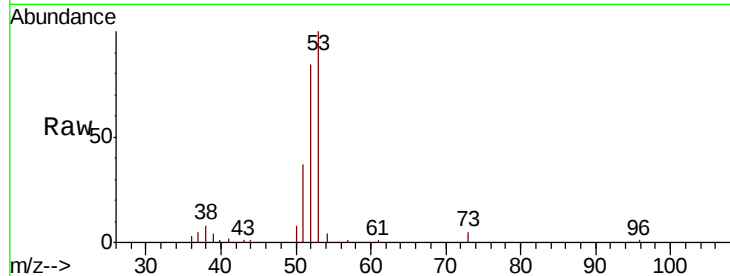
#15
 Acrylonitrile
 Concen: 103.676 ug/l
 RT: 4.96 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: VN058928.D
 Acq: 23 Oct 2019 14:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBSD01

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.6	99.8
51	36.8	29.2	43.8

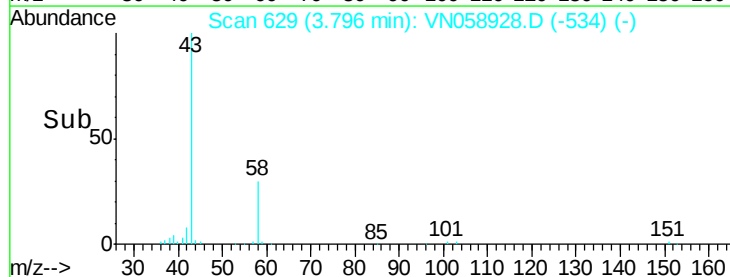
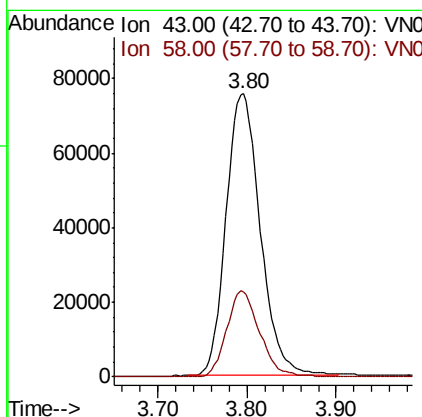
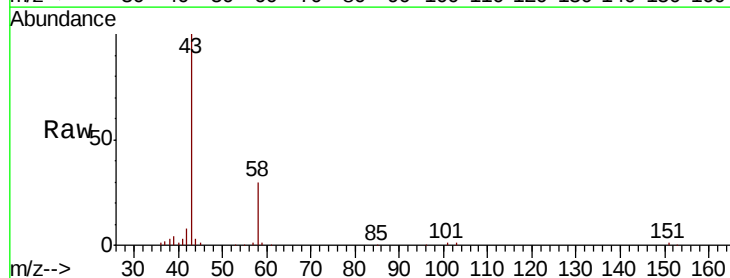
Manual Integrations
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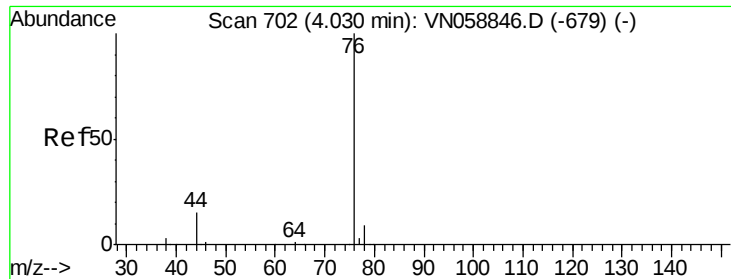
MMDadoda
 10/25/2019 2:44:23 PM



#16
 Acetone
 Concen: 84.019 ug/l
 RT: 3.80 min Scan# 629
 Delta R.T. 0.01 min
 Lab File: VN058928.D
 Acq: 23 Oct 2019 14:40

Tgt Ion	Ratio	Lower	Upper
43	100		
58	30.2	23.1	34.7





#17

Carbon Disulfide

Concen: 18.952 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN058928.D

Acq: 23 Oct 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBSD01

Tot Ion: 76 Resp: 198647

Ion Ratio Lower Upper

76 100

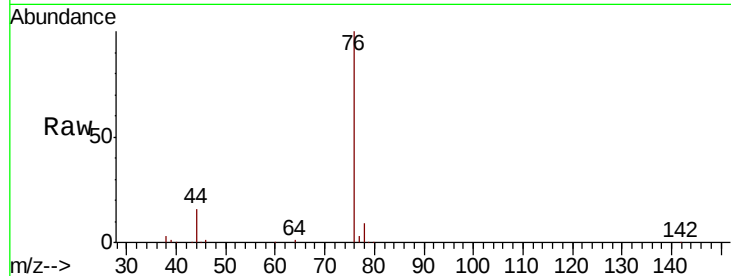
78 9.0 7.1 10.7

Manual Integrations

APPROVED

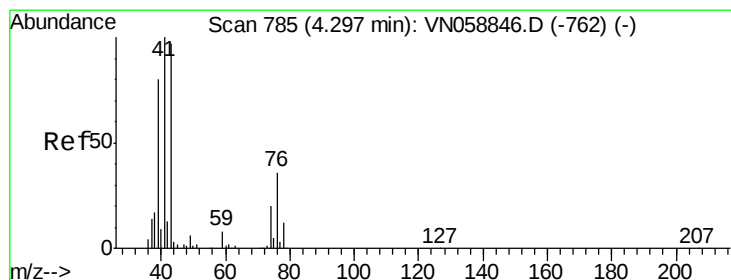
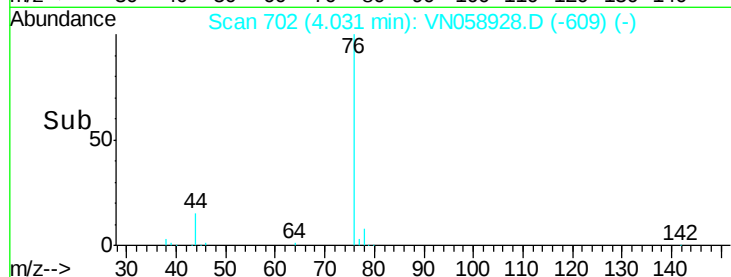
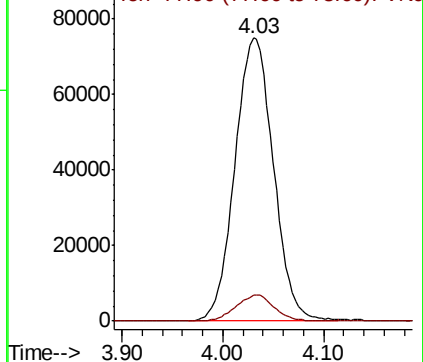
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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 21.499 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.01 min

Lab File: VN058928.D

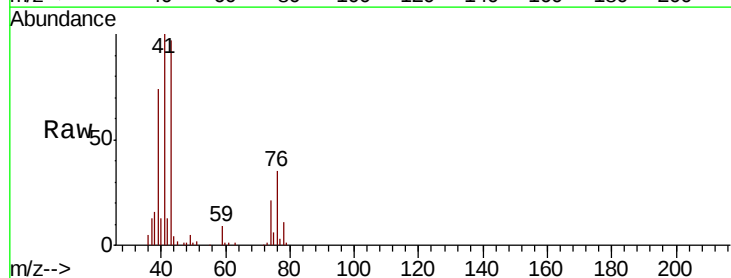
Acq: 23 Oct 2019 14:40

Tgt Ion: 43 Resp: 116924

Ion Ratio Lower Upper

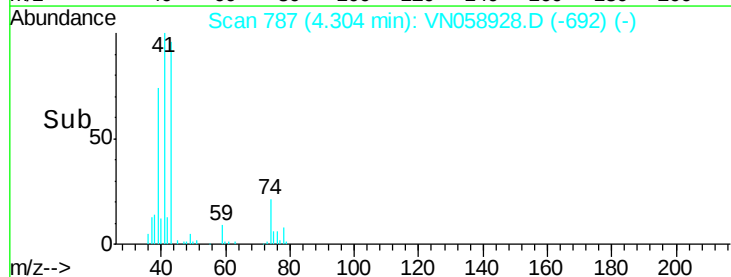
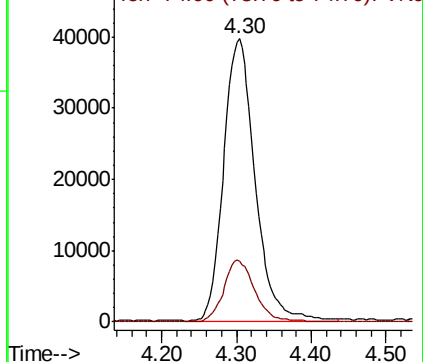
43 100

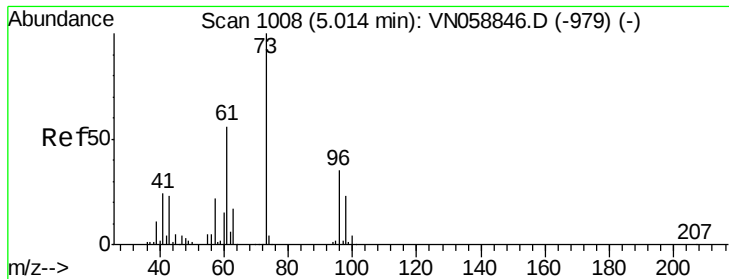
74 21.1 17.1 25.7



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO





#19

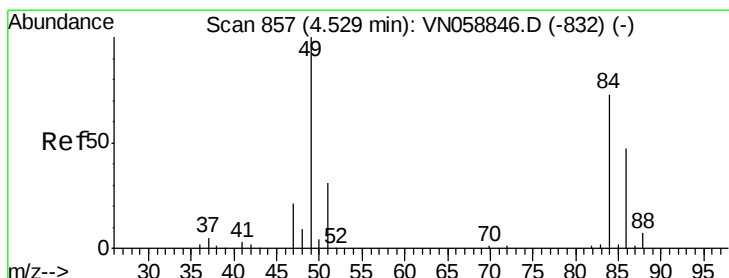
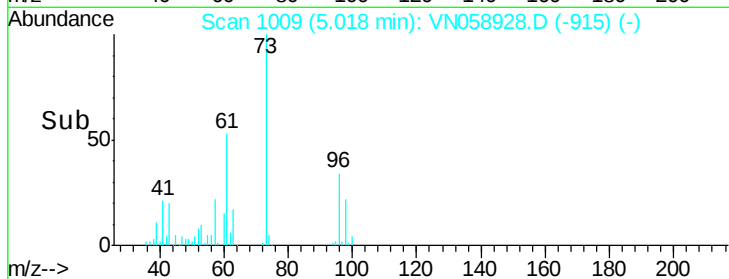
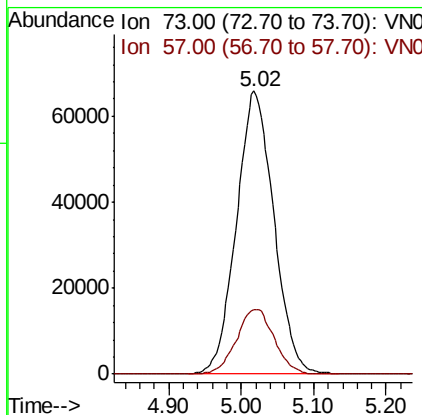
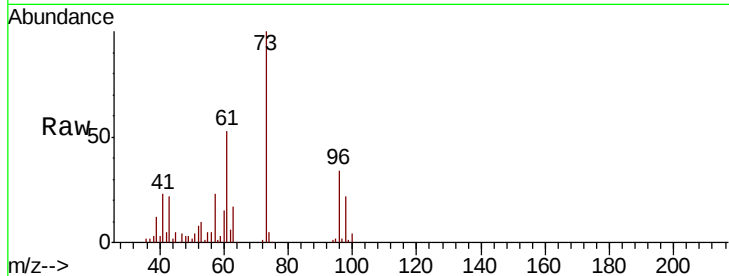
Methyl tert-butyl Ether
 Concen: 20.758 ug/l
 RT: 5.02 min Scan# 1009
 Delta R.T. 0.00 min
 Lab File: VN058928.D
 Acq: 23 Oct 2019 14:40

Instrument :
 MSVOA_N
 ClientSampled :
 VN1024WBSD01

Tot Ion: 73 Resp: 236515
 Ion Ratio Lower Upper
 73 100
 57 22.6 17.9 26.9

Manual Integrations
 APPROVED

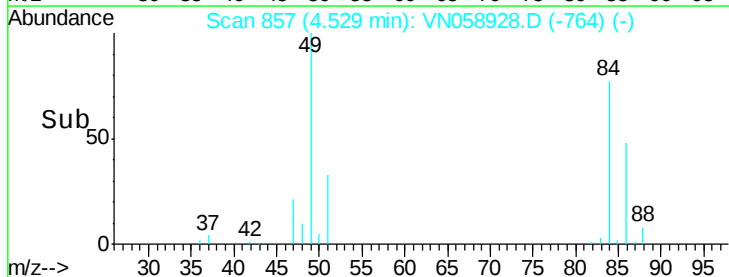
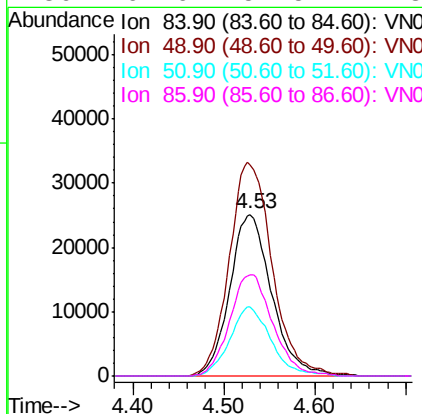
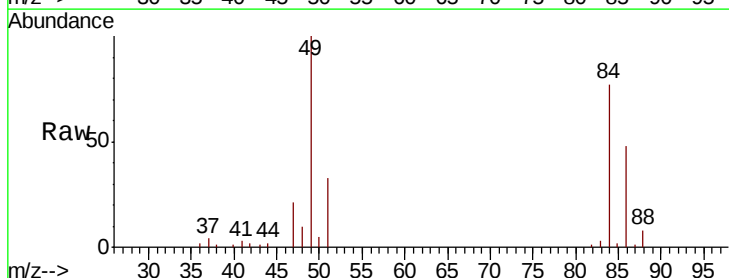
MMDadoda
 10/25/2019 2:44:23 PM

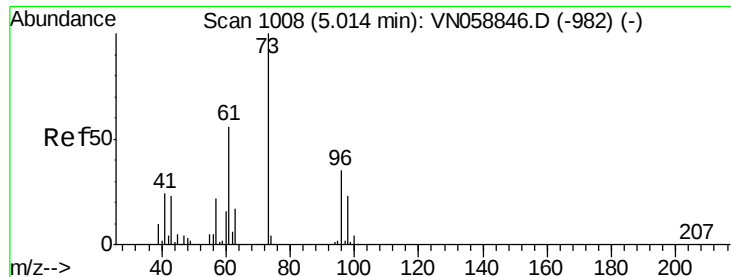


#20

Methylene Chloride
 Concen: 19.706 ug/l
 RT: 4.53 min Scan# 857
 Delta R.T. 0.00 min
 Lab File: VN058928.D
 Acq: 23 Oct 2019 14:40

Tgt Ion: 84 Resp: 80490
 Ion Ratio Lower Upper
 84 100
 49 130.7 109.6 164.4
 51 42.6 33.8 50.6
 86 62.6 51.5 77.3





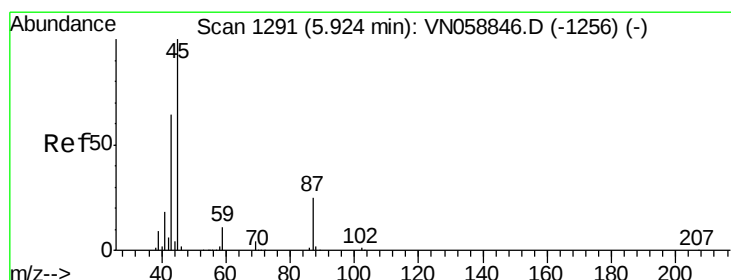
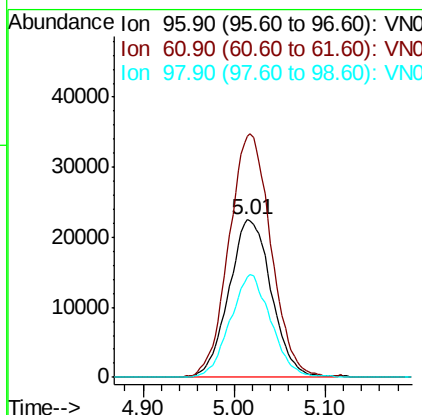
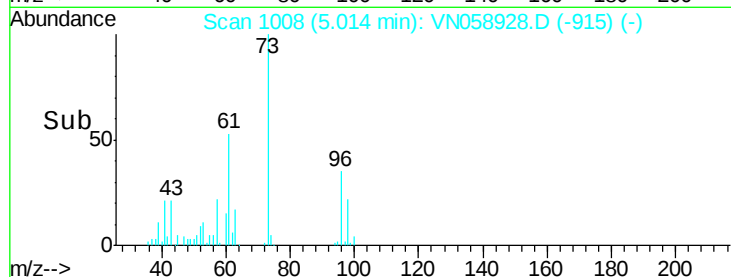
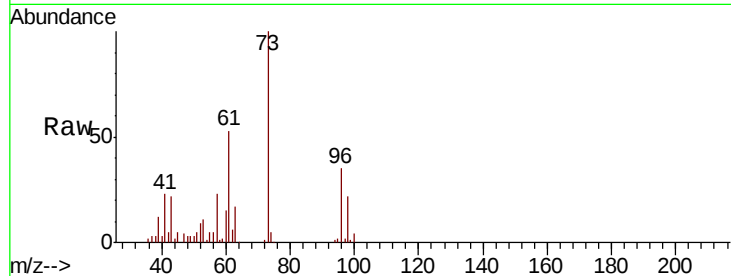
#21
trans-1,2-Dichloroethene
Concen: 20.348 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN058928.D
Acq: 23 Oct 2019 14:40

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.5	126.7	190.1
98	63.8	52.0	78.0

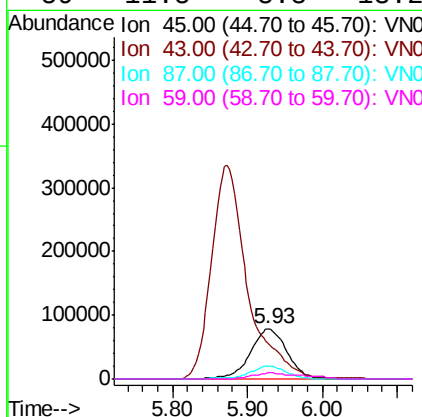
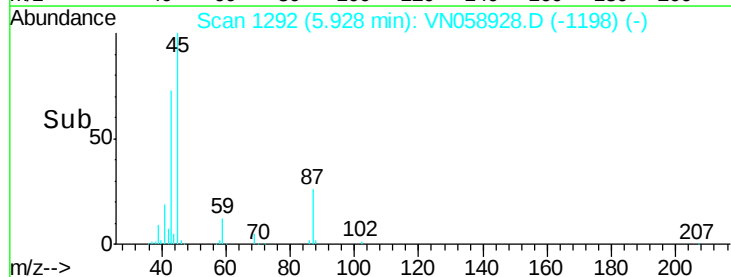
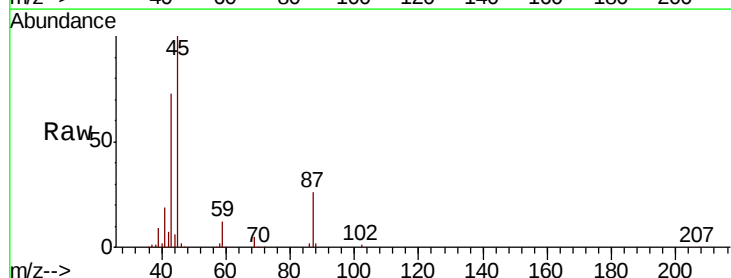
Manual Integrations
APPROVED

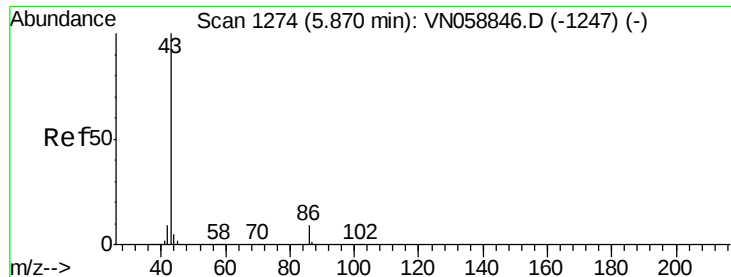
MMDadoda
10/25/2019 2:44:23 PM



#22
Diisopropyl ether
Concen: 20.858 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. 0.00 min
Lab File: VN058928.D
Acq: 23 Oct 2019 14:40

Tgt Ion	Ratio	Lower	Upper
45	100		
43	70.3	52.9	79.3
87	25.5	20.2	30.4
59	11.5	8.8	13.2





#23

Vinyl Acetate

Concen: 108.860 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN058928.D

Acq: 23 Oct 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBSD01

Tot Ion: 43 Resp: 1126392

Ion Ratio Lower Upper

43 100

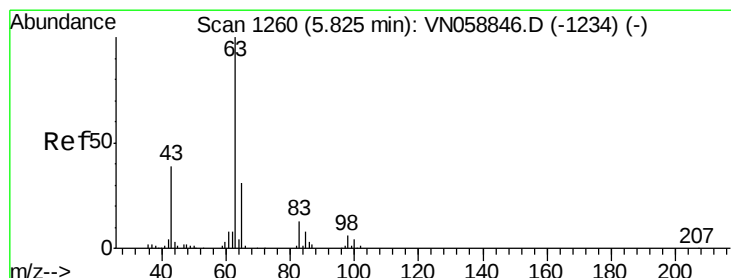
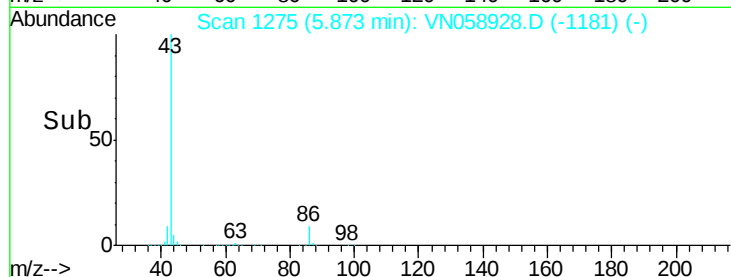
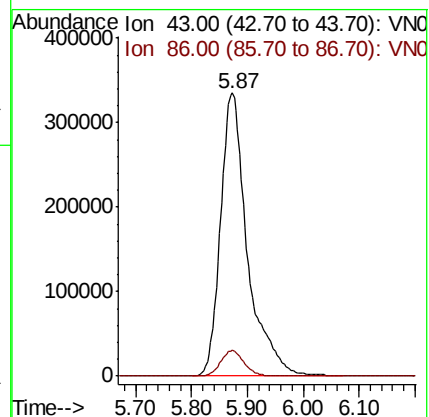
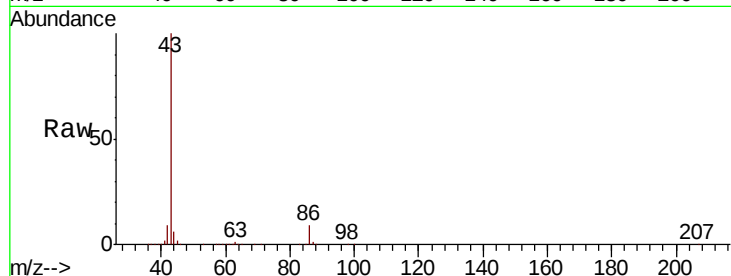
86 9.1 7.2 10.8

Manual Integrations

APPROVED

MMDadoda

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#24

1,1-Dichloroethane

Concen: 20.524 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN058928.D

Acq: 23 Oct 2019 14:40

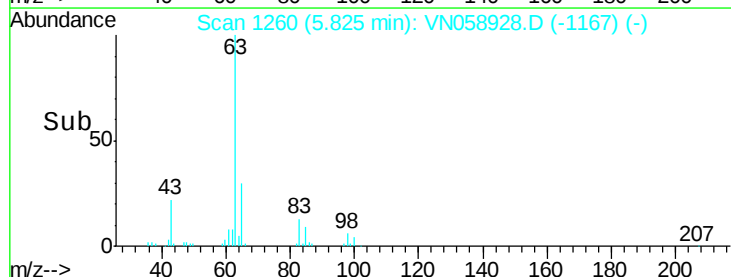
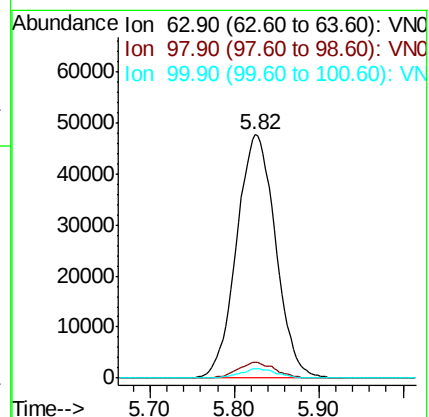
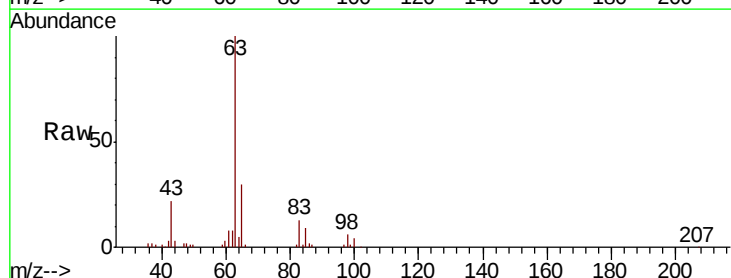
Tgt Ion: 63 Resp: 153264

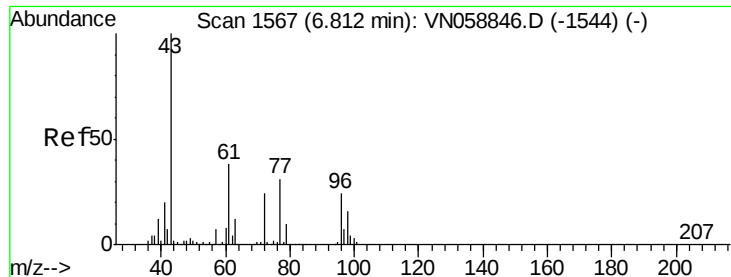
Ion Ratio Lower Upper

63 100

98 6.4 2.8 8.4

100 3.9 1.9 5.7





#25

2-Butanone

Concen: 94.376 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN058928.D

Acq: 23 Oct 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBSD01

Tot Ion: 43 Resp: 293061

Ion Ratio Lower Upper

43 100

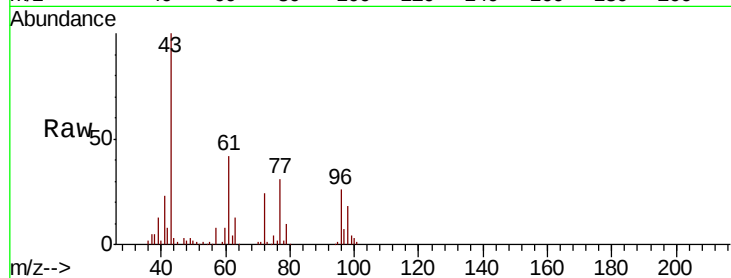
72 24.5 19.1 28.7

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-1544) (-)

Ion 72.00 (71.70 to 72.70): VN058846.D (-1544) (-)

120000

100000

80000

60000

40000

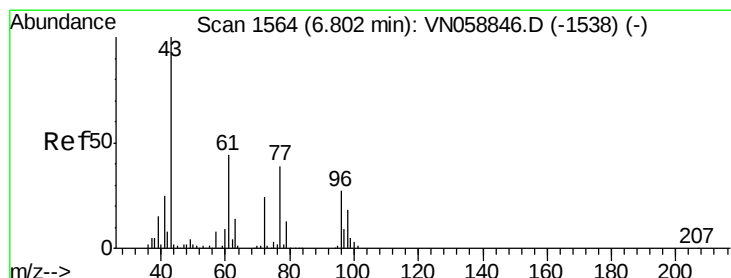
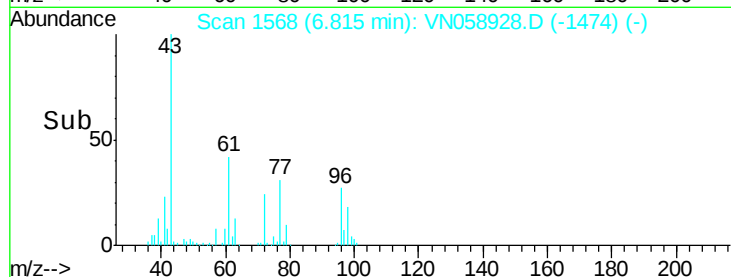
20000

0

6.70 6.75 6.80 6.85 6.90

6.82

Time-->



#26

2,2-Dichloropropane

Concen: 19.053 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058928.D

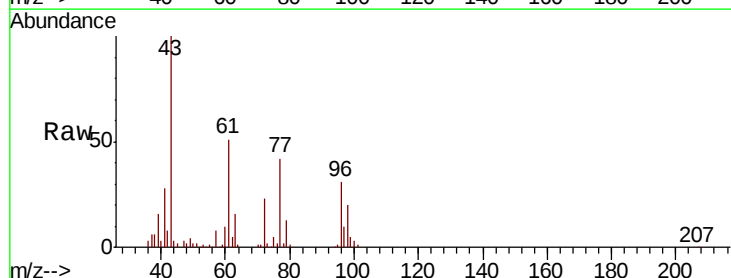
Acq: 23 Oct 2019 14:40

Tgt Ion: 77 Resp: 123071

Ion Ratio Lower Upper

77 100

97 22.5 10.6 31.8



Abundance Ion 76.90 (76.60 to 77.60): VN058846.D (-1538) (-)

Ion 96.90 (96.60 to 97.60): VN058846.D (-1538) (-)

40000

30000

20000

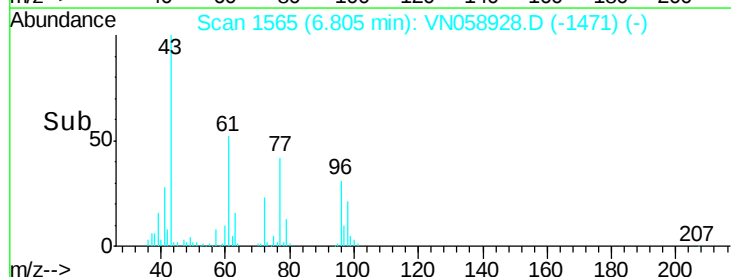
10000

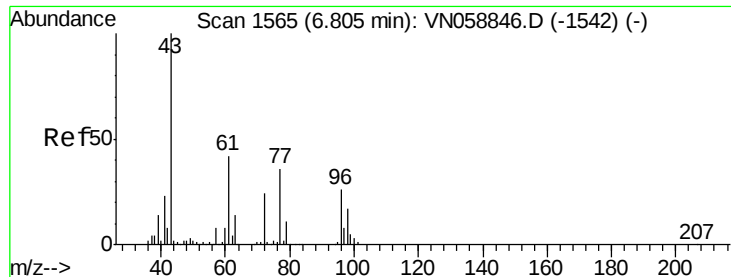
0

6.70 6.75 6.80 6.85 6.90

6.81

Time-->





#27

cis-1,2-Dichloroethene

Concen: 20.332 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058928.D

Acq: 23 Oct 2019 14:40

Instrument :

MSVOA_N

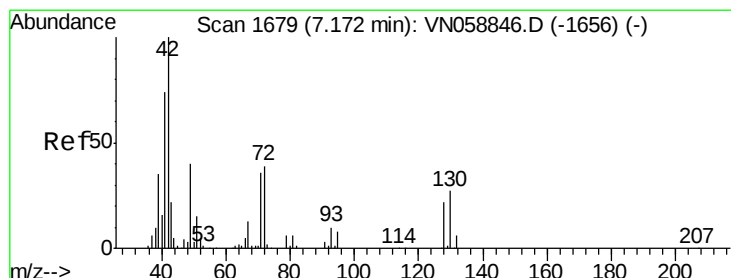
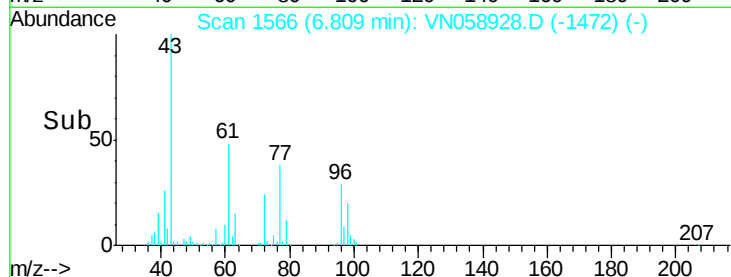
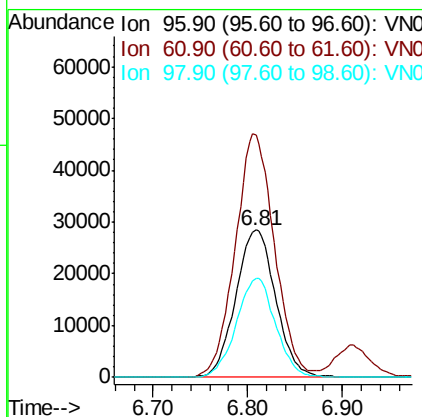
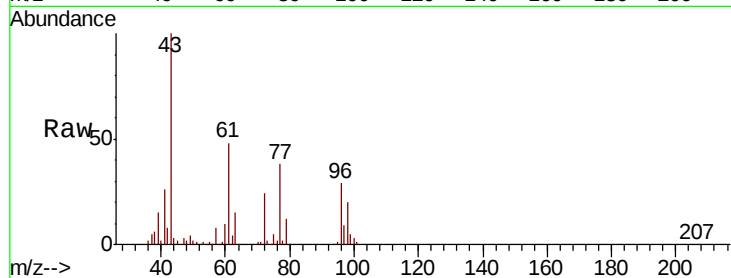
ClientSampleId :

VN1024WBSD01

Tot Ion:	96	Resp:	83461
Ion Ratio	Lower	Upper	
96	100		
61	162.0	0.0	325.0
98	65.9	0.0	128.0

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#28

Bromochloromethane

Concen: 20.587 ug/l

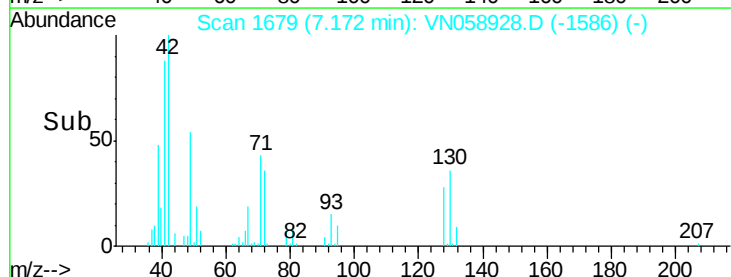
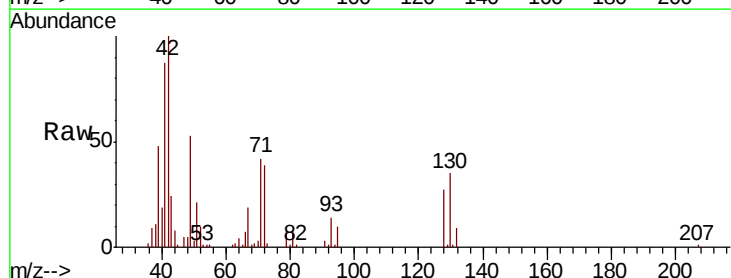
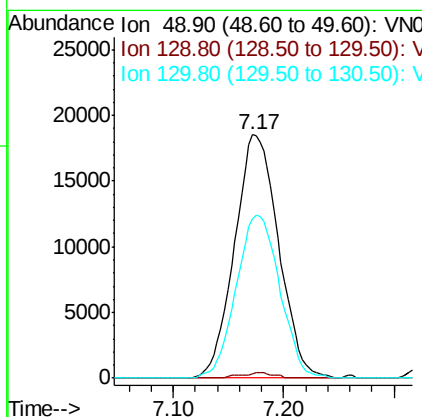
RT: 7.17 min Scan# 1679

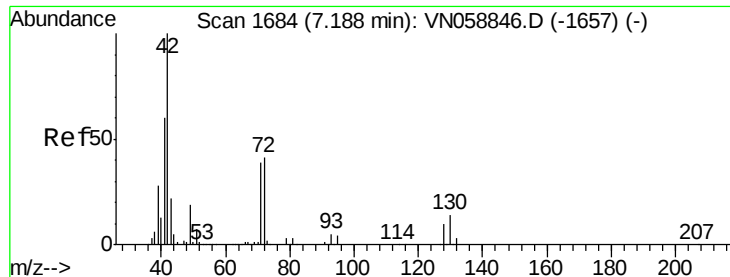
Delta R.T. 0.00 min

Lab File: VN058928.D

Acq: 23 Oct 2019 14:40

Tgt Ion:	49	Resp:	51200
Ion Ratio	Lower	Upper	
49	100		
129	1.2	0.0	3.2
130	66.3	53.5	80.3





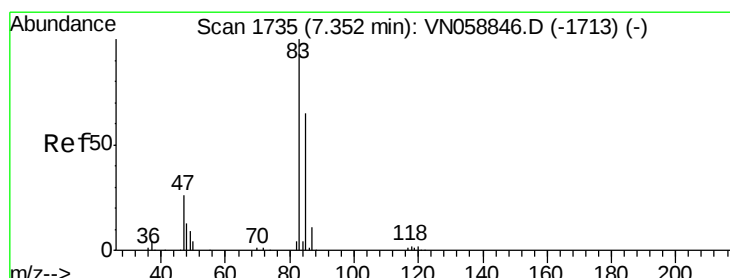
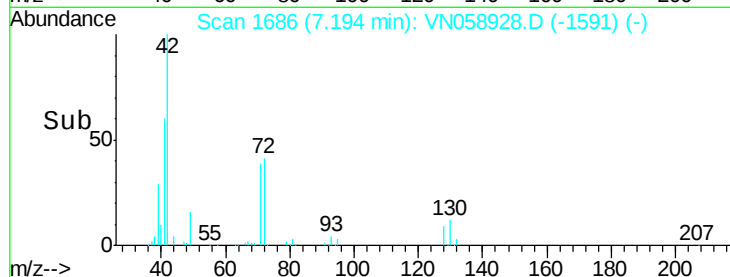
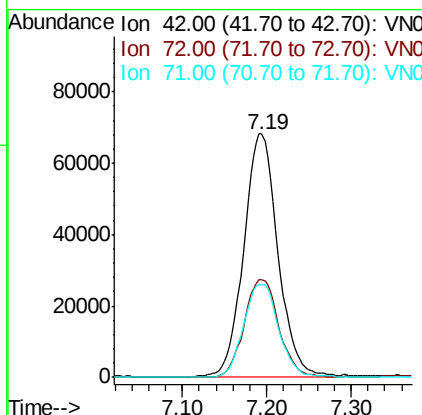
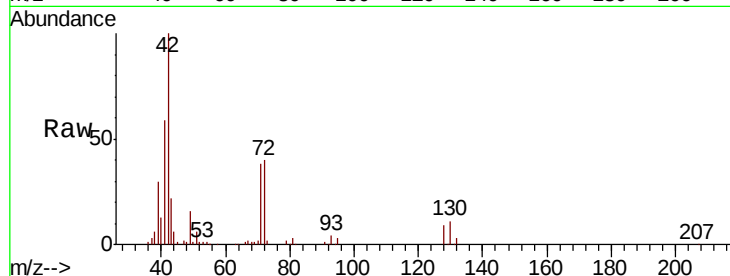
#29
Tetrahydrofuran
Concen: 101.625 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VN058928.D
Acq: 23 Oct 2019 14:40

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.8	32.2	48.2
71	38.9	30.6	45.8

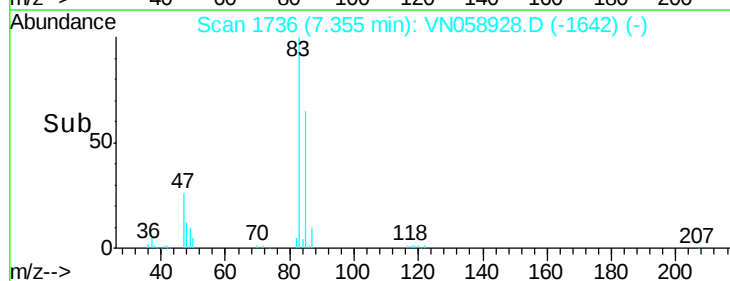
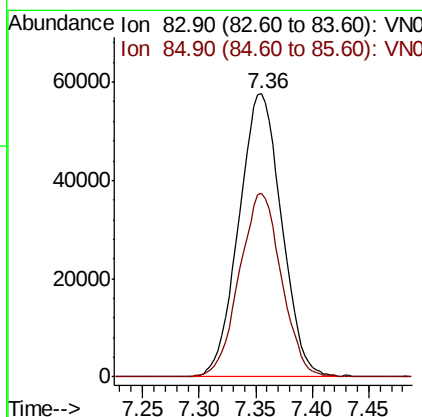
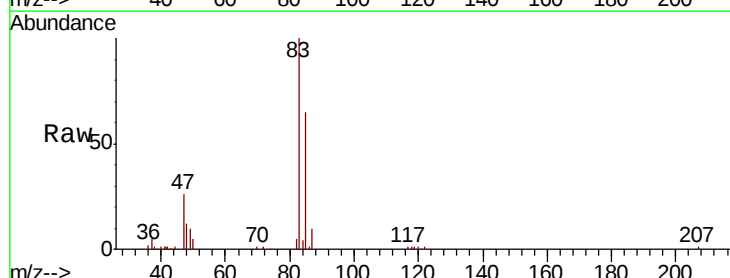
Manual Integrations
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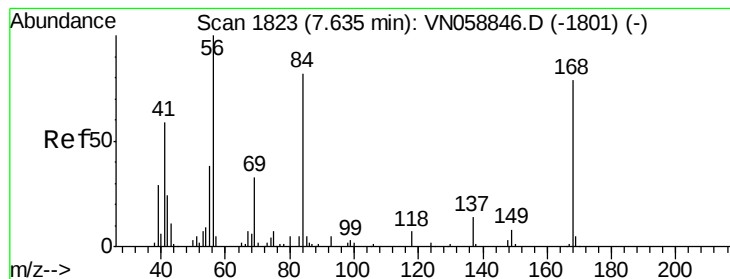
MMDadoda
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#30
Chloroform
Concen: 20.213 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058928.D
Acq: 23 Oct 2019 14:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.9	77.9





#31

Cyclohexane

Concen: 19.405 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058928.D

Acq: 23 Oct 2019 14:40

Instrument :

MSVOA_N

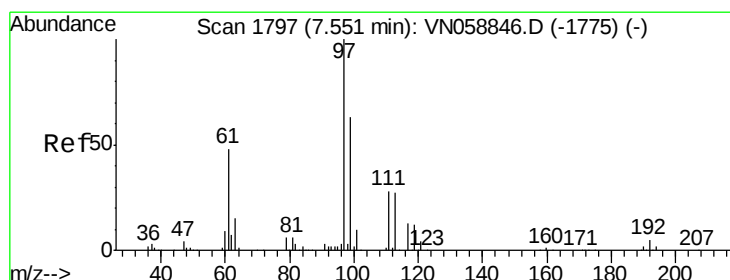
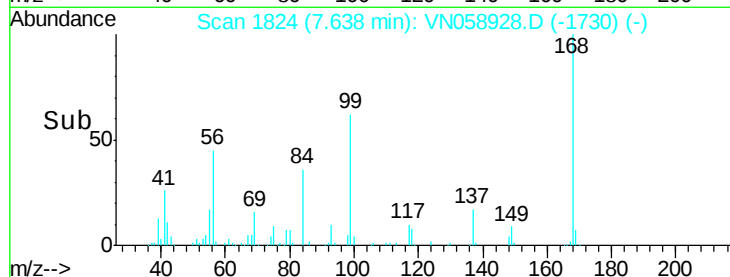
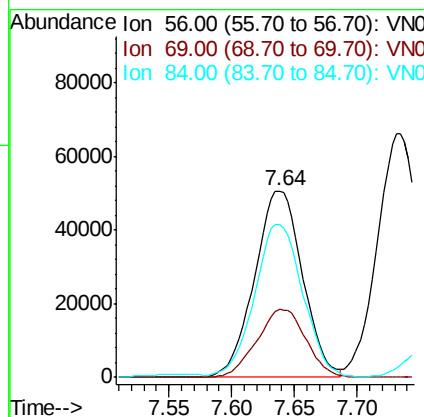
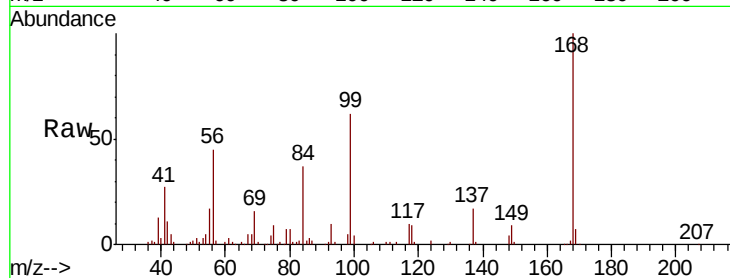
ClientSampleId :

VN1024WBSD01

Tot Ion:	56	Resp:	135003
Ion	Ratio	Lower	Upper
56	100		
69	36.3	26.2	39.4
84	80.0	65.6	98.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.355 ug/l

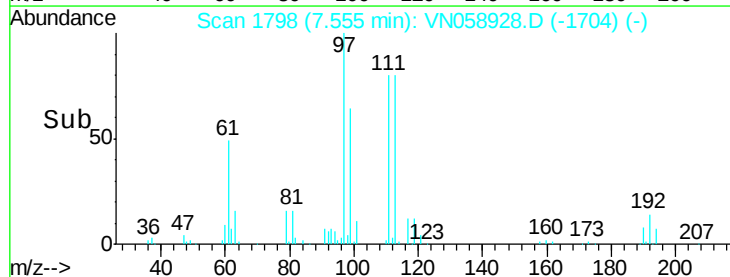
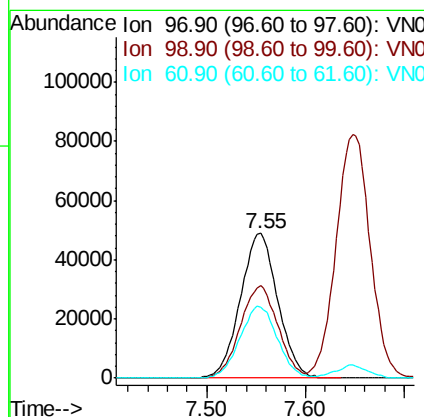
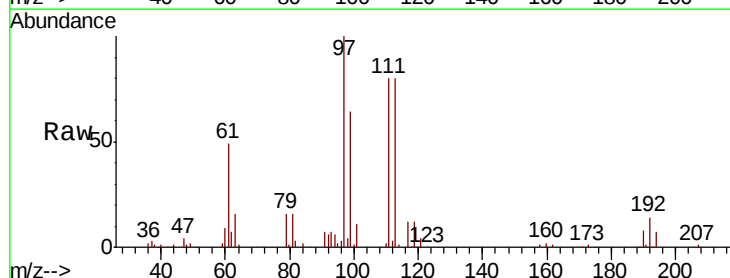
RT: 7.55 min Scan# 1798

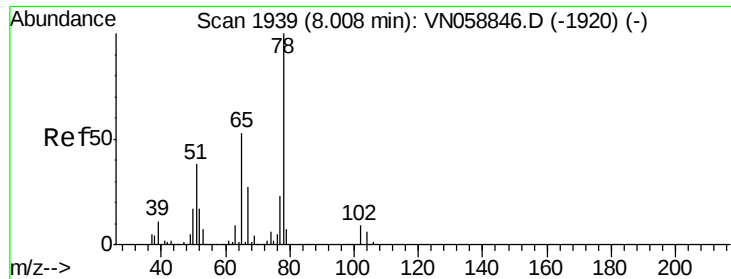
Delta R.T. 0.00 min

Lab File: VN058928.D

Acq: 23 Oct 2019 14:40

Tgt Ion:	97	Resp:	128521
Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.0	76.4
61	49.9	38.6	58.0





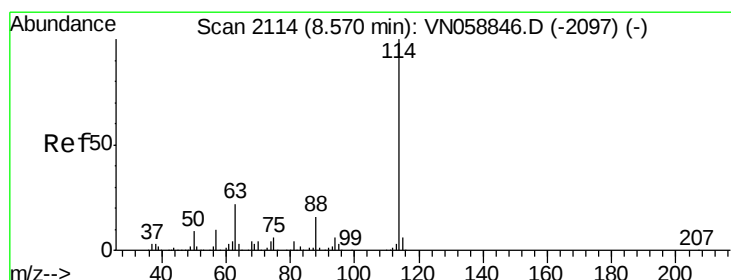
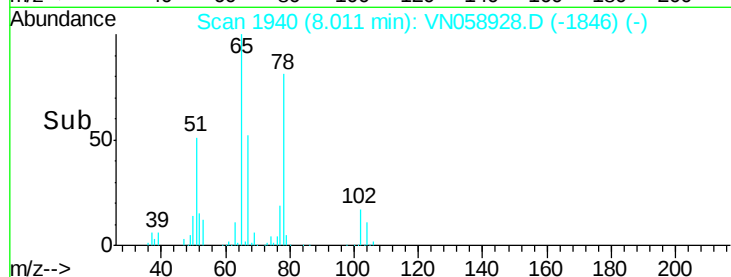
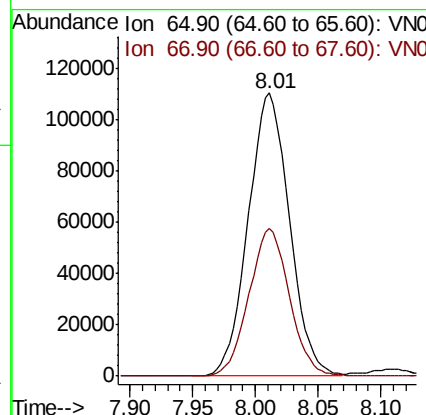
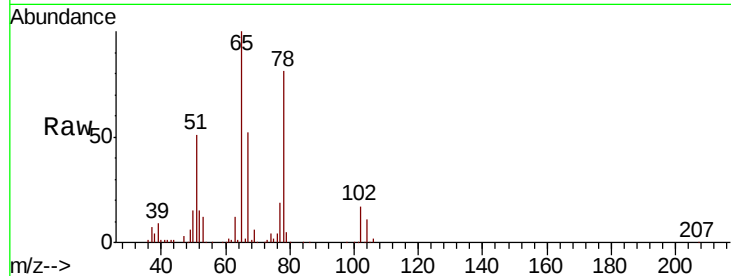
#33
 1,2-Dichloroethane-d4
 Concen: 52.261 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058928.D
 Acq: 23 Oct 2019 14:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	252993		
67	51.4	0.0	103.2	

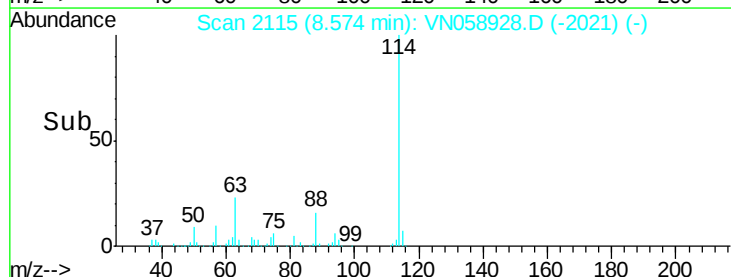
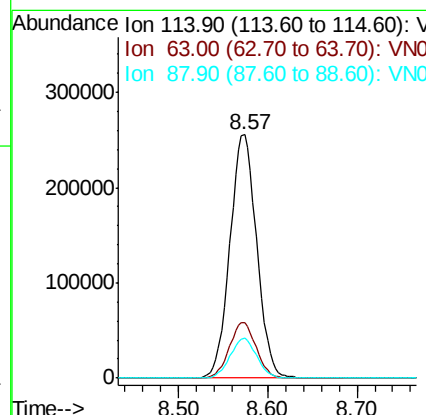
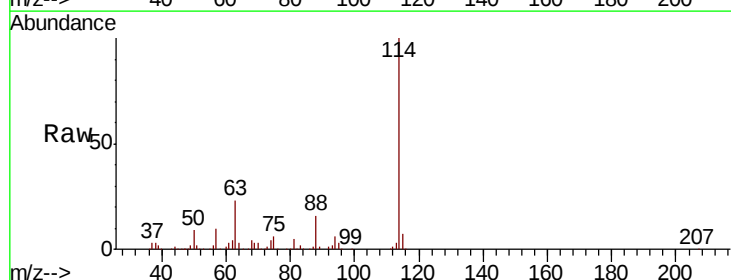
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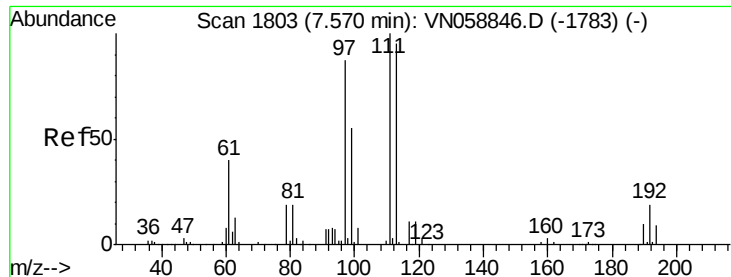
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058928.D
 Acq: 23 Oct 2019 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	531872		
63	22.9	0.0	44.4	
88	16.2	0.0	31.4	





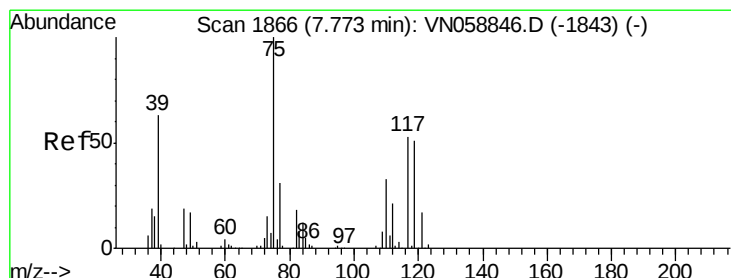
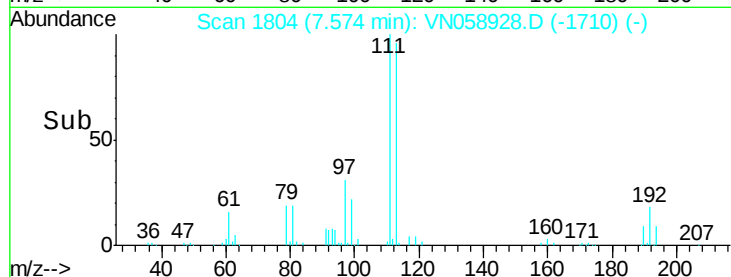
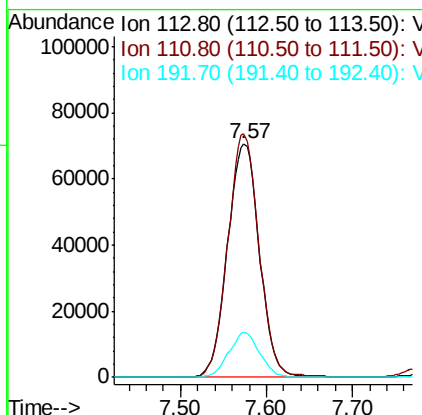
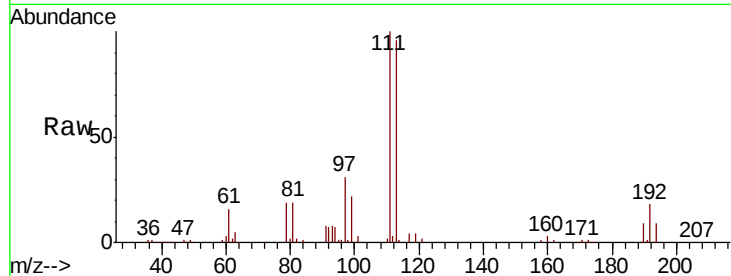
#35
 Dibromofluoromethane
 Concen: 51.978 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058928.D
 Acq: 23 Oct 2019 14:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	181764		
111	101.9	82.0	123.0	
192	18.6	15.0	22.6	

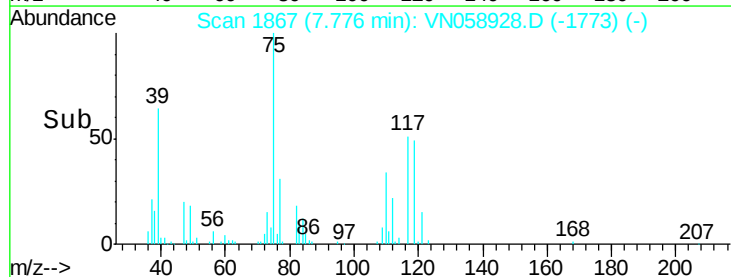
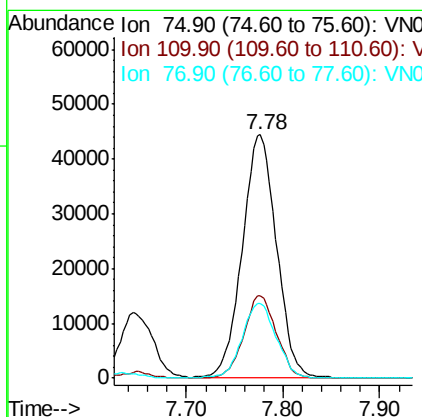
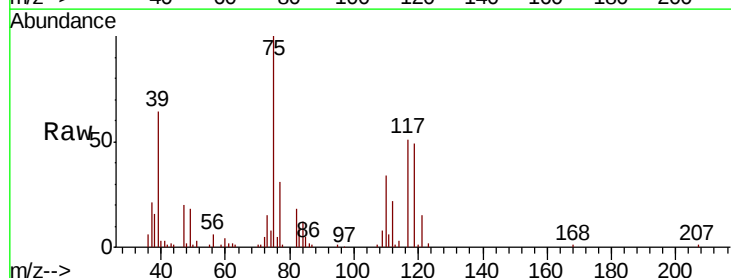
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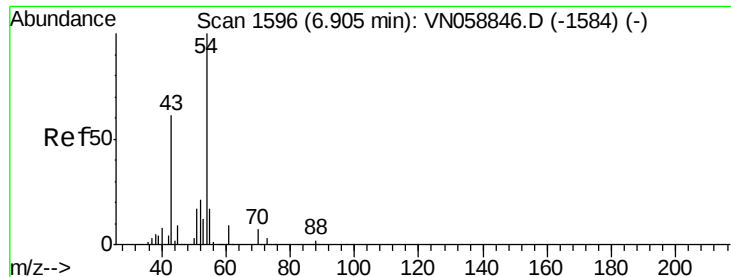
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#36
 1,1-Dichloropropene
 Concen: 20.107 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058928.D
 Acq: 23 Oct 2019 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	109487		
110	32.0	16.3	48.9	
77	30.6	24.6	36.8	





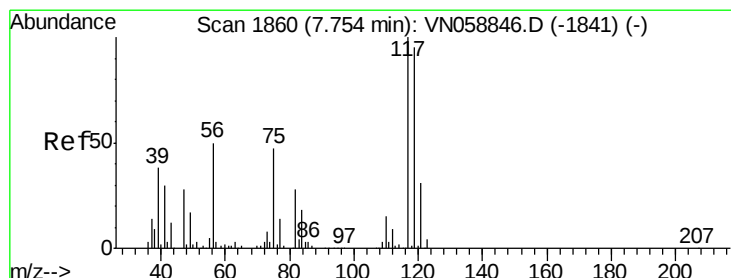
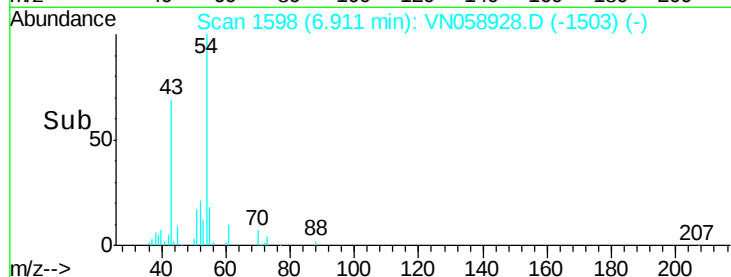
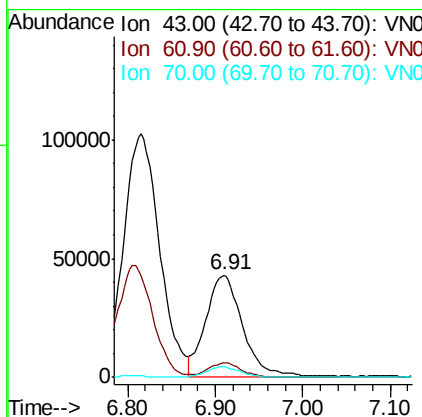
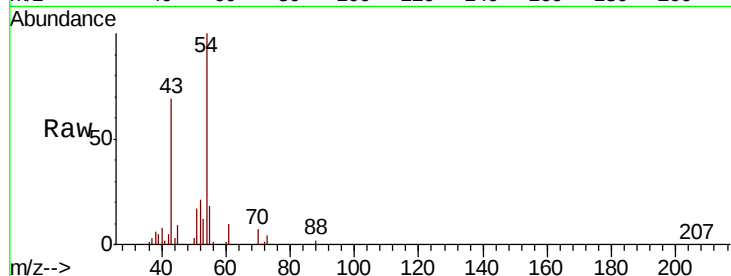
#37
Ethyl Acetate
Concen: 20.981 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.01 min
Lab File: VN058928.D
Acq: 23 Oct 2019 14:40

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.1	10.5	15.7
70	9.5	7.6	11.4

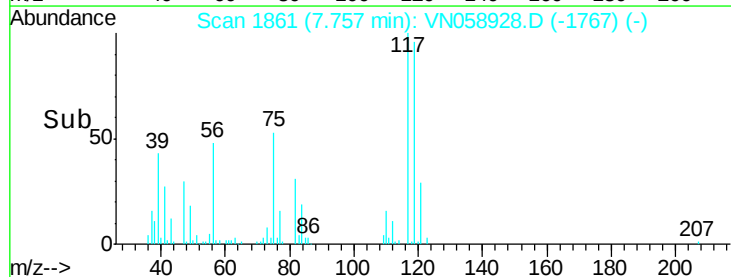
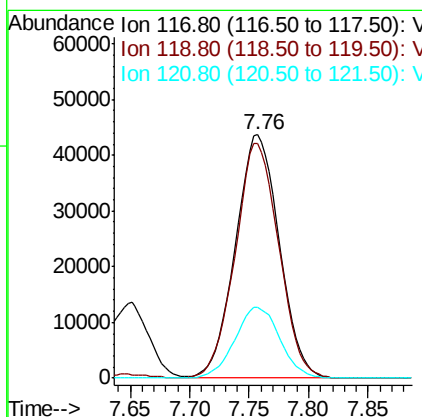
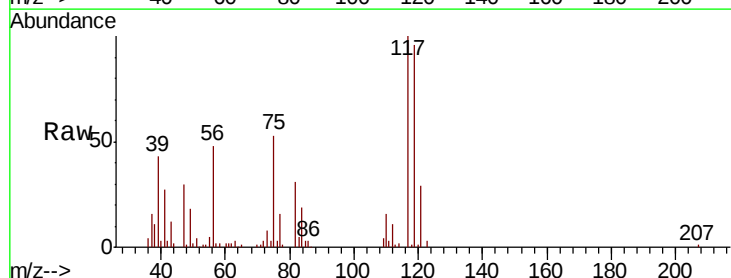
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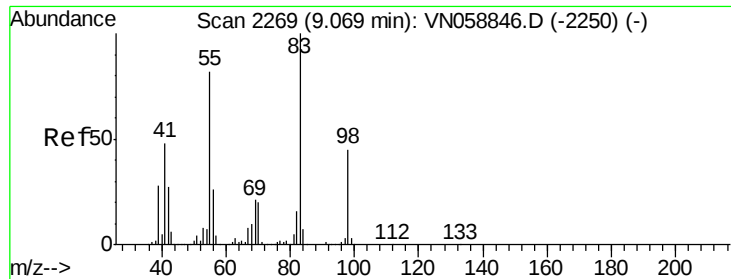
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#38
Carbon Tetrachloride
Concen: 19.889 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058928.D
Acq: 23 Oct 2019 14:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	75.7	113.5
121	29.1	25.0	37.6





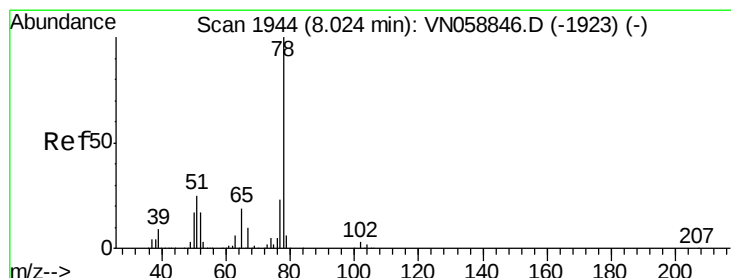
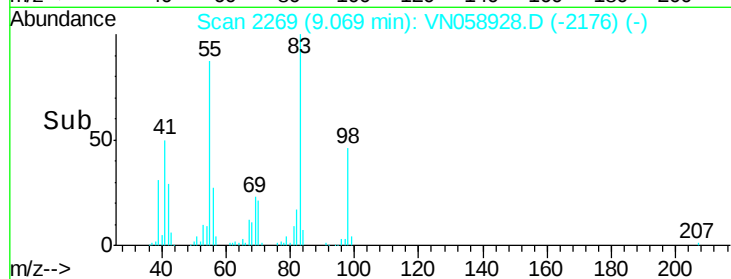
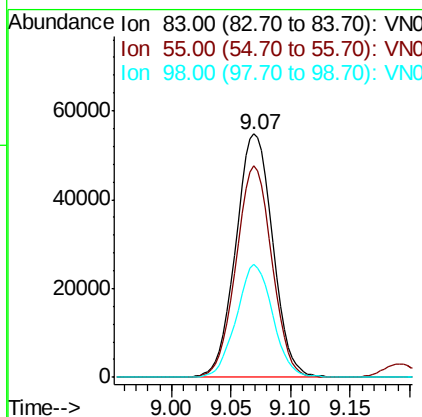
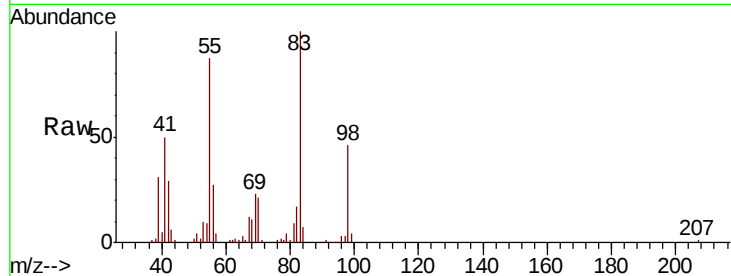
#39
Methvlcvclohexane
Concen: 19.298 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058928.D
Acq: 23 Oct 2019 14:40

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.7	65.5	98.3
98	46.2	35.7	53.5

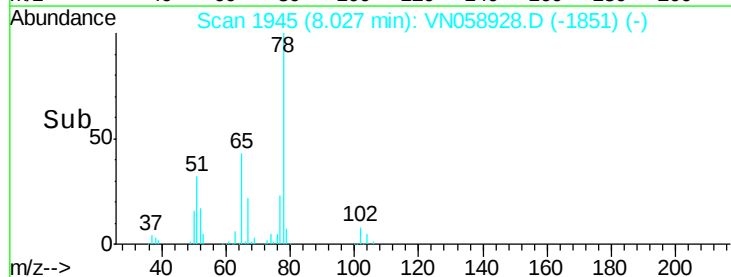
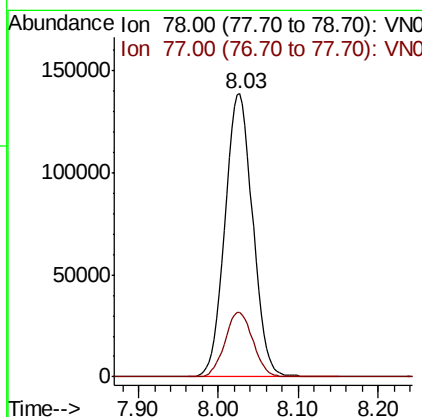
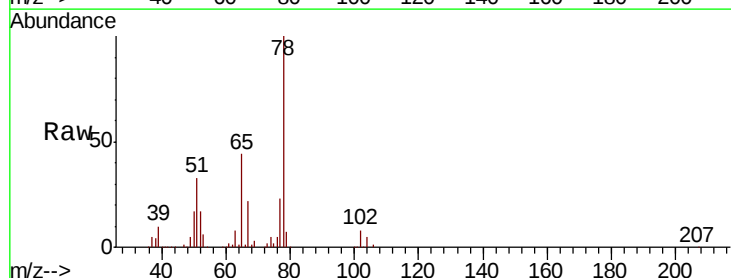
Manual Integrations
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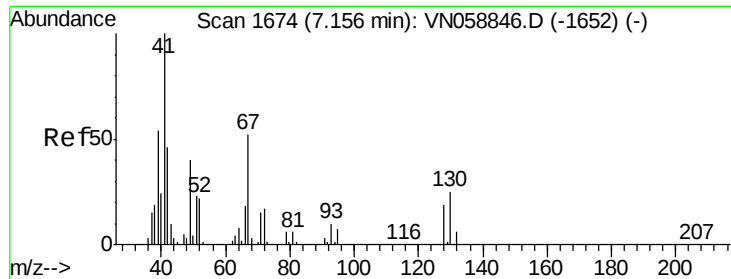
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#40
Benzene
Concen: 20.537 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058928.D
Acq: 23 Oct 2019 14:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.2	27.2





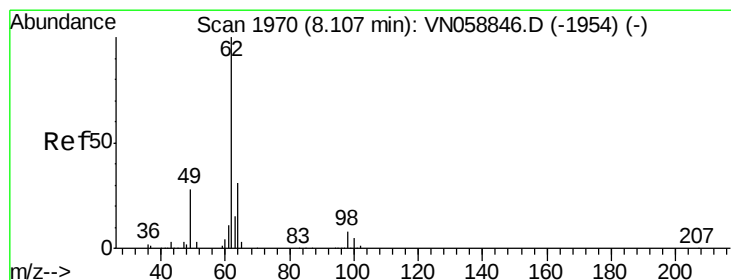
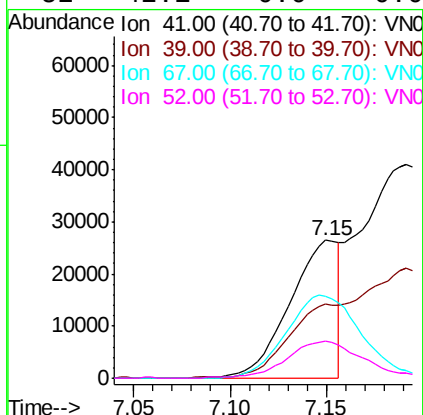
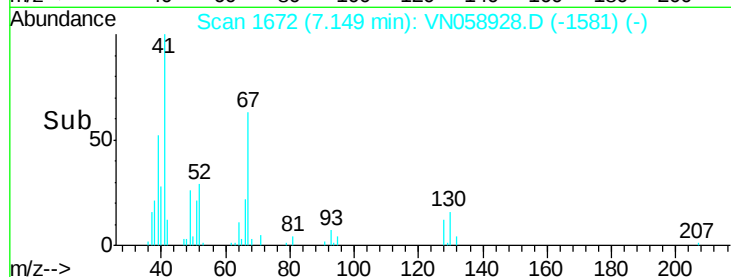
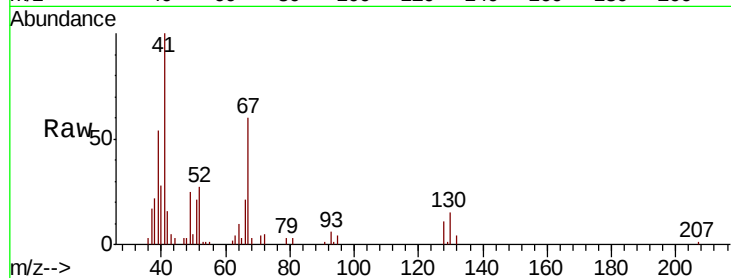
#41
Methacrylonitrile
Concen: 17.555 ug/l
RT: 7.15 min Scan# 1672
Delta R.T. -0.01 min
Lab File: VN058928.D
Acq: 23 Oct 2019 14:40

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	0.0	0.0	0.0	
67	93.8	0.0	0.0	0.0#
52	42.1	0.0	0.0	0.0#

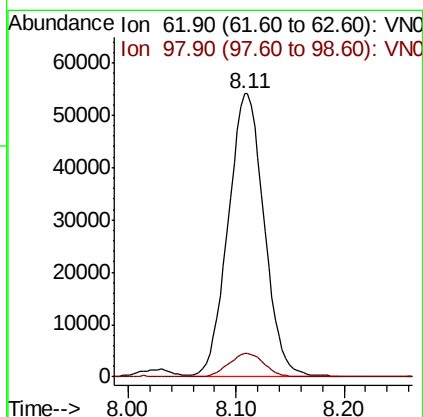
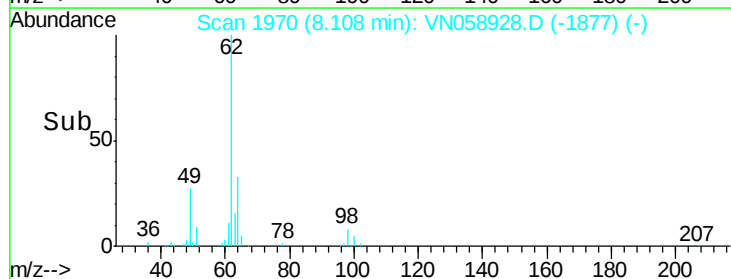
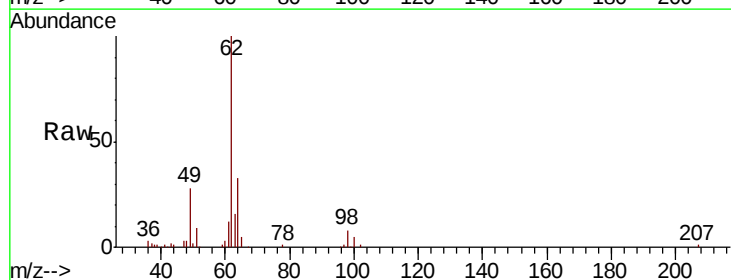
Manual Integrations
APPROVED

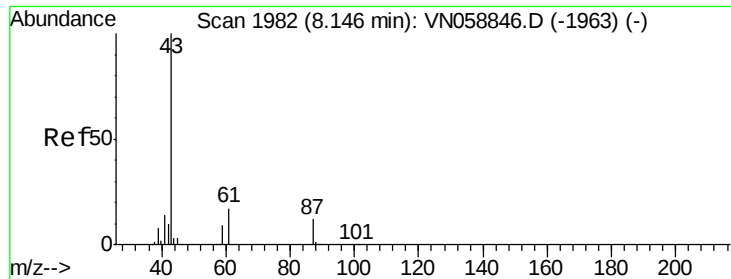
MMDadoda
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#42
1,2-Dichloroethane
Concen: 20.295 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN058928.D
Acq: 23 Oct 2019 14:40

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.1	0.0	16.2	





#43

Isopropyl Acetate

Concen: 20.266 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VN058928.D

Acq: 23 Oct 2019 14:40

Instrument :

MSVOA_N

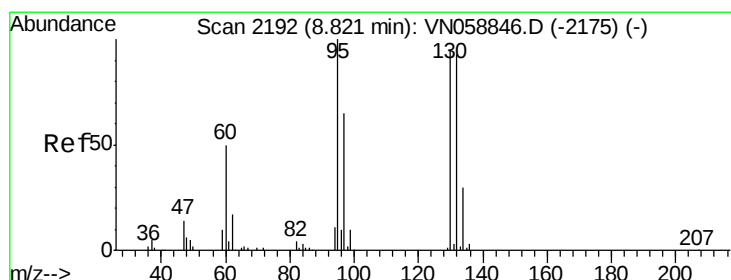
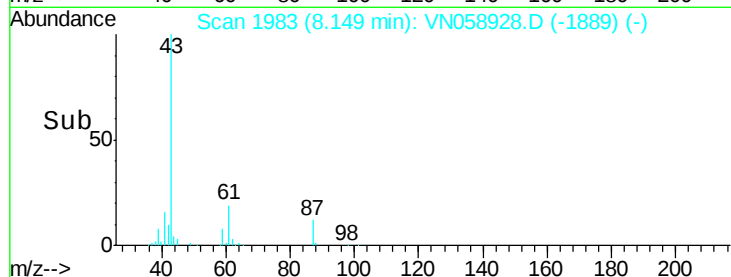
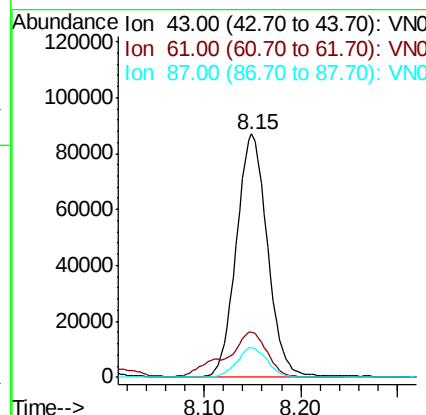
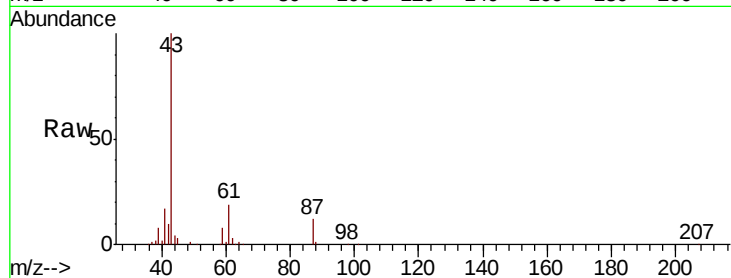
ClientSampleId :

VN1024WBSD01

Tot Ion:	43	Resp:	192840
Ion	Ratio	Lower	Upper
43	100		
61	18.6	20.2	30.2#
87	12.1	9.5	14.3

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#44

Trichloroethene

Concen: 19.828 ug/l

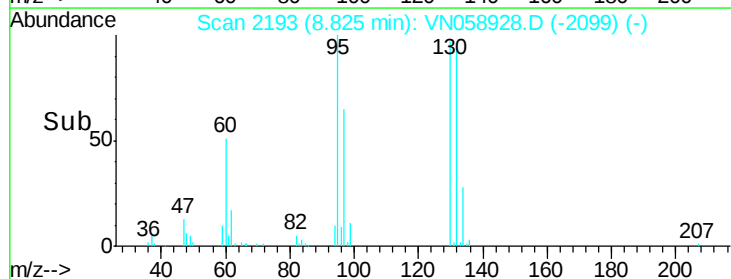
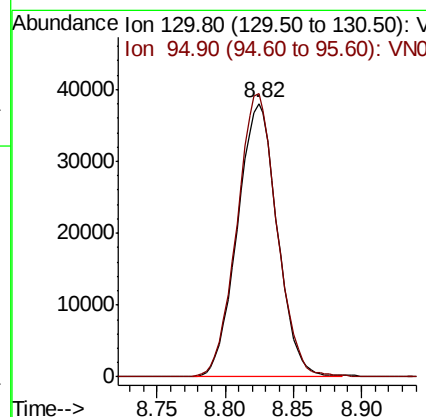
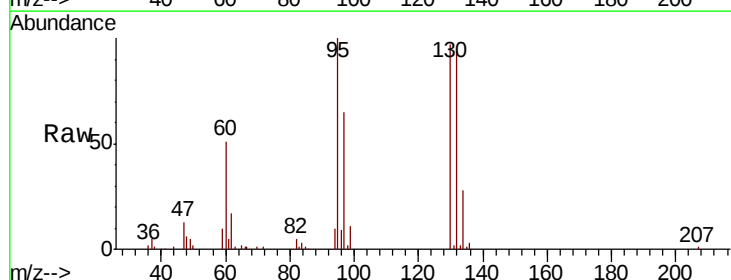
RT: 8.82 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VN058928.D

Acq: 23 Oct 2019 14:40

Tgt Ion:	130	Resp:	77233
Ion	Ratio	Lower	Upper
130	100		
95	103.5	0.0	209.6





#45

1,2-Dichloropropane

Concen: 20.356 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. 0.00 min

Lab File: VN058928.D

Acq: 23 Oct 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBSD01

Tot Ion: 63 Resp: 89252

Ion Ratio Lower Upper

63 100

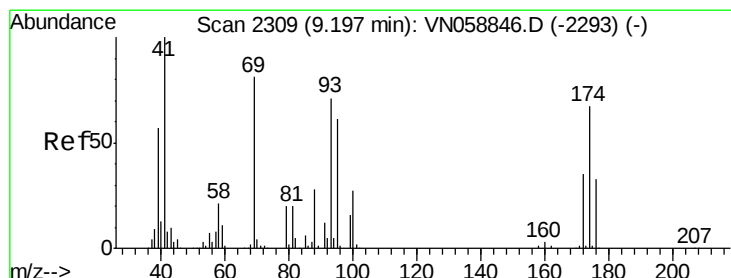
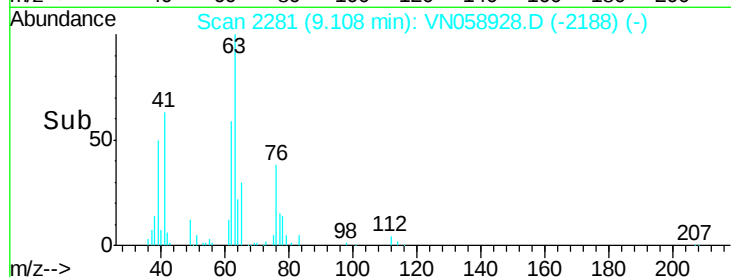
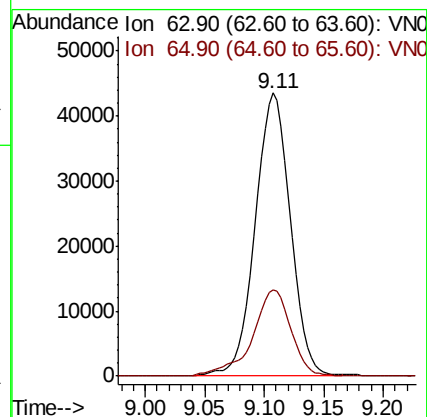
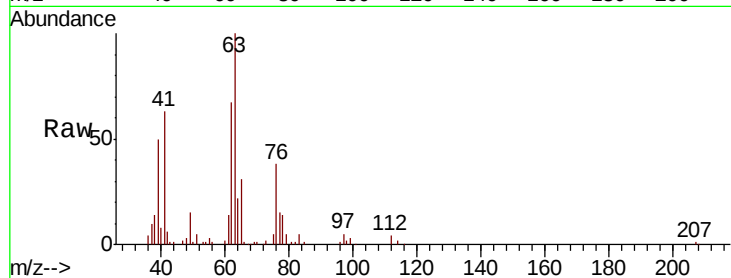
65 30.6 24.5 36.7

Manual Integrations

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#46

Dibromomethane

Concen: 20.574 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN058928.D

Acq: 23 Oct 2019 14:40

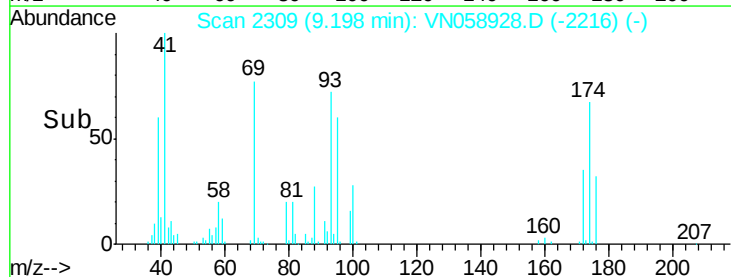
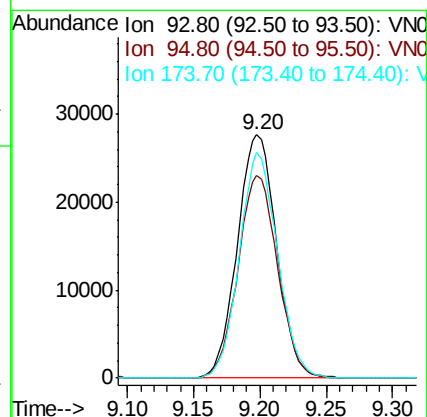
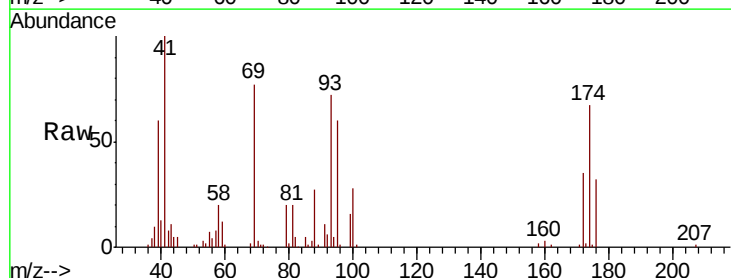
Tgt Ion: 93 Resp: 57028

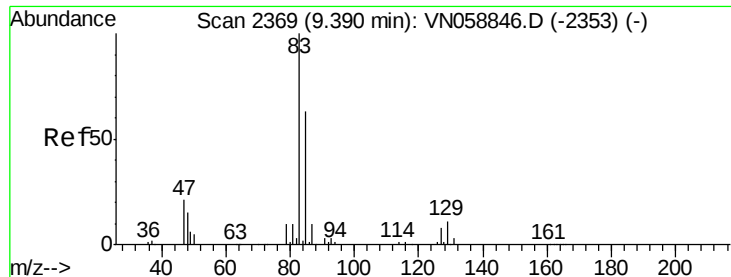
Ion Ratio Lower Upper

93 100

95 83.9 67.6 101.4

174 90.1 74.1 111.1





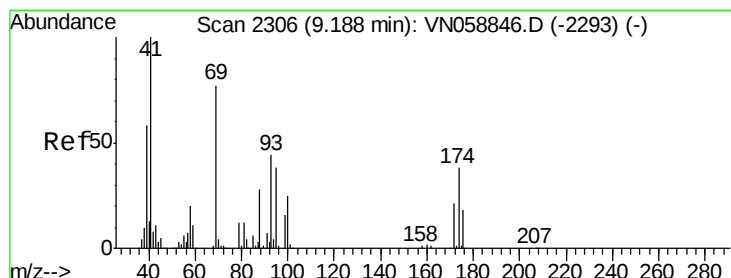
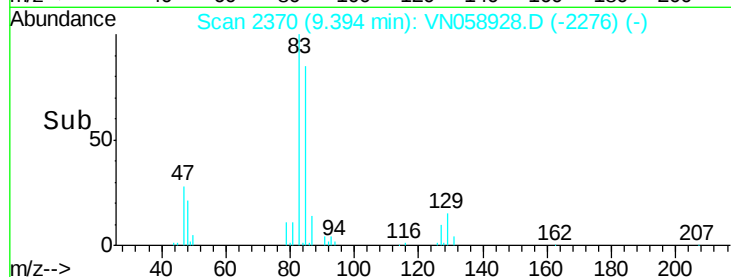
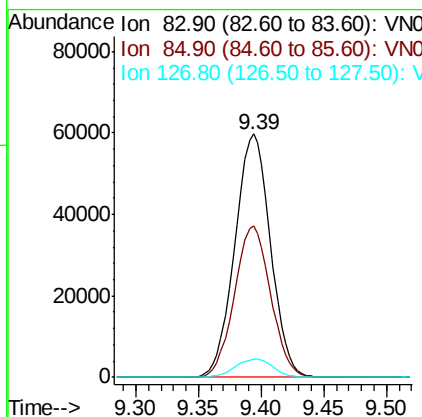
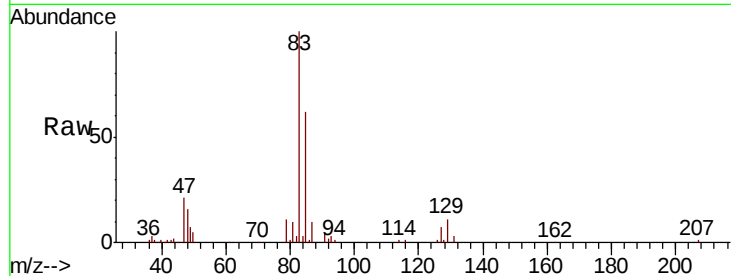
#47
Bromodichloromethane
Concen: 20.672 ug/l
RT: 9.39 min Scan# 2370
Delta R.T. 0.00 min
Lab File: VN058928.D
Acq: 23 Oct 2019 14:40

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	62.0	50.6	75.8	
127	7.4	6.5	9.7	

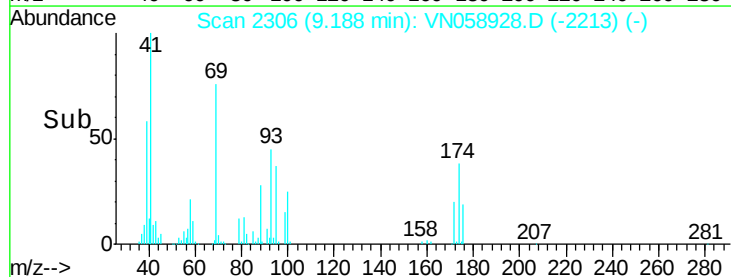
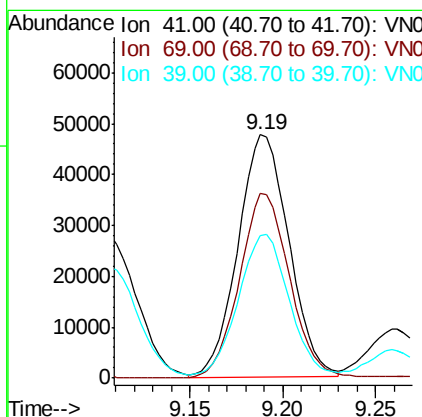
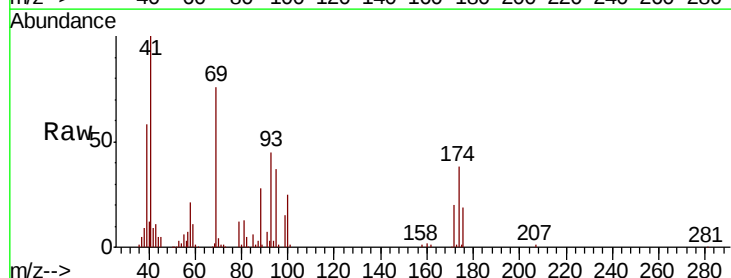
Manual Integrations
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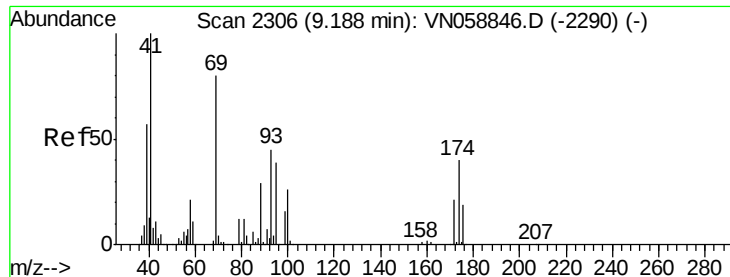
MMDadoda
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#48
Methyl methacrylate
Concen: 21.106 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058928.D
Acq: 23 Oct 2019 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	75.6	63.8	95.6	
39	58.9	47.8	71.8	





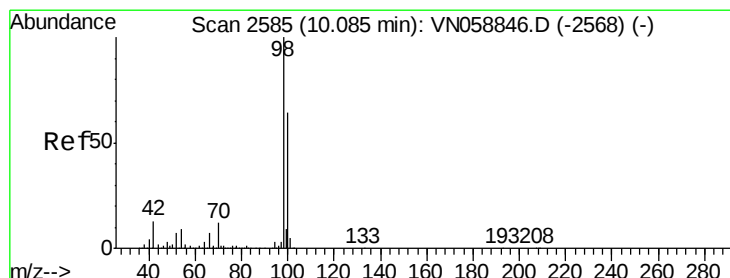
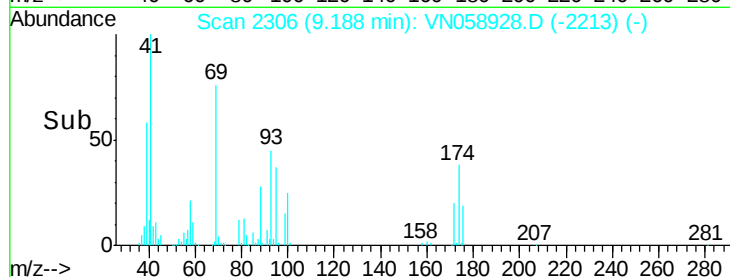
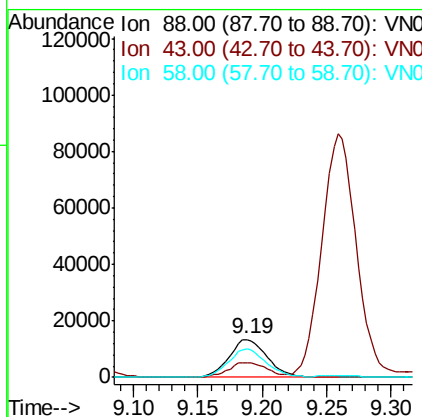
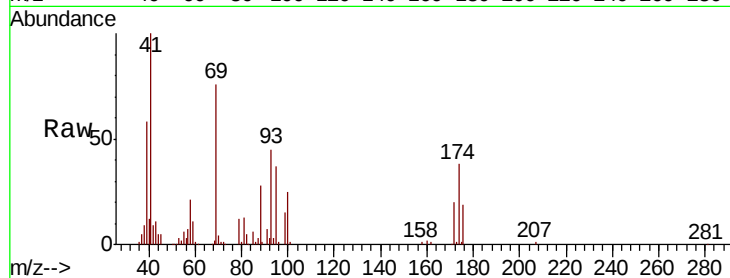
#49
1,4-Dioxane
Concen: 387.069 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058928.D
Acq: 23 Oct 2019 14:40

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.1	29.1	43.7
58	74.5	59.4	89.0

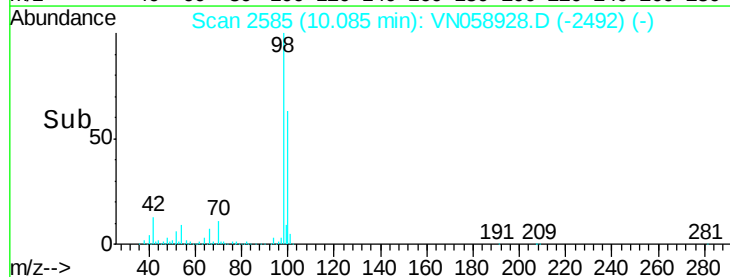
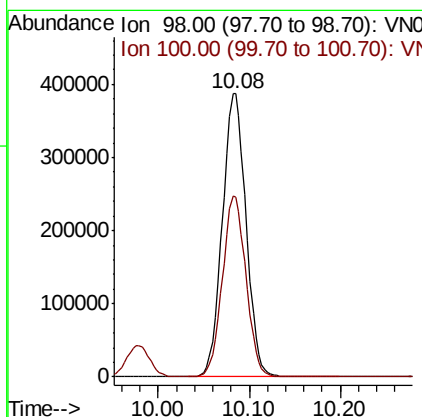
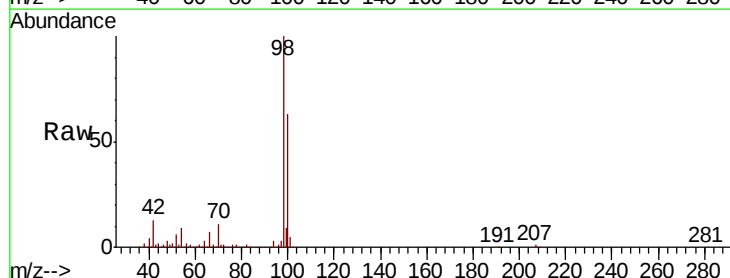
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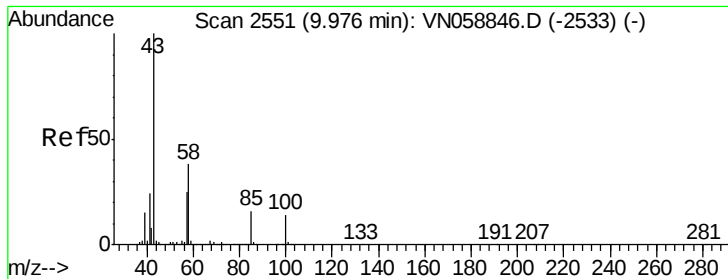
MMDadoda
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#50
Toluene-d8
Concen: 51.576 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058928.D
Acq: 23 Oct 2019 14:40

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.2	51.4	77.2





#51

4-Methyl-2-Pentanone

Concen: 110.083 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN058928.D

Acq: 23 Oct 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBSD01

Tot Ion: 43 Resp: 611845

Ion Ratio Lower Upper

43 100

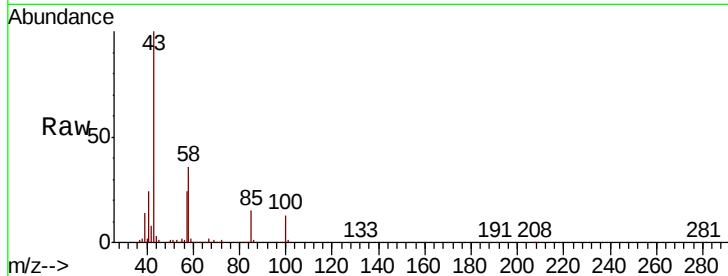
58 36.5 29.9 44.9

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.98

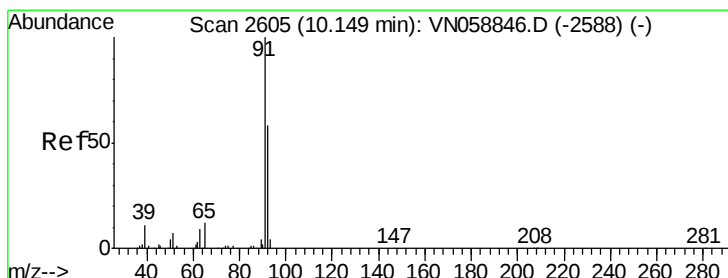
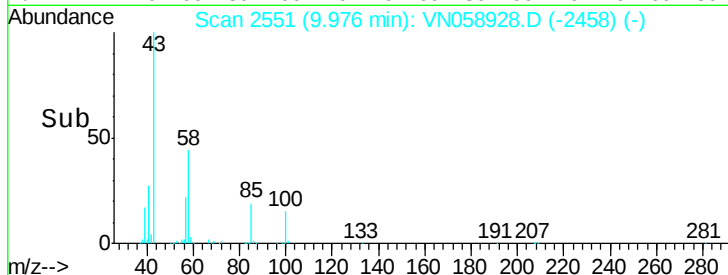
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 20.905 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058928.D

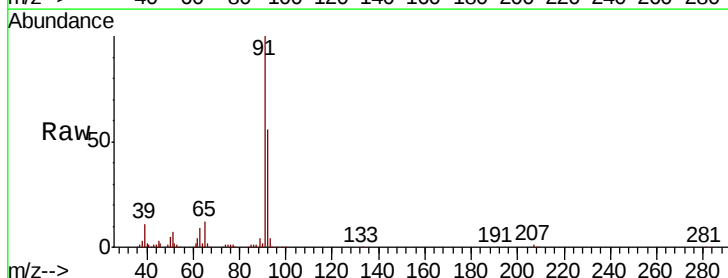
Acq: 23 Oct 2019 14:40

Tgt Ion: 92 Resp: 198230

Ion Ratio Lower Upper

92 100

91 174.4 138.9 208.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.15

200000

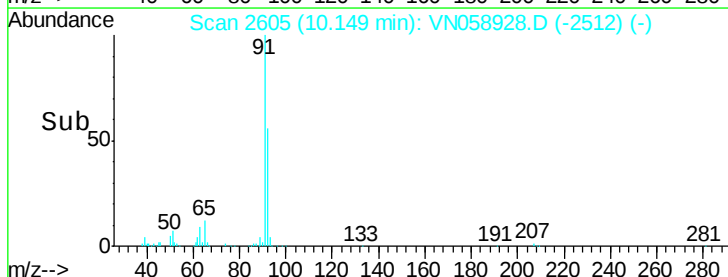
150000

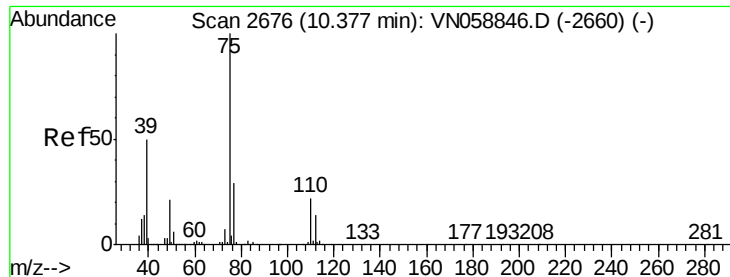
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.047 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058928.D

Acq: 23 Oct 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBSD01

Tot Ion: 75 Resp: 126788

Ion Ratio Lower Upper

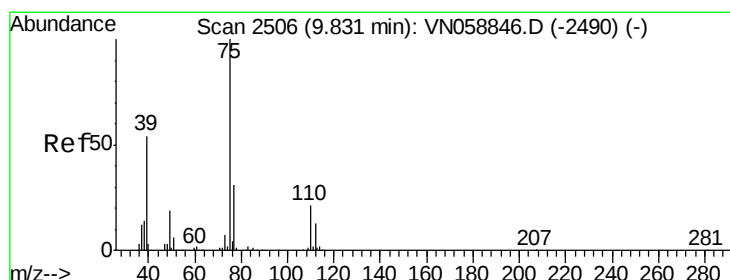
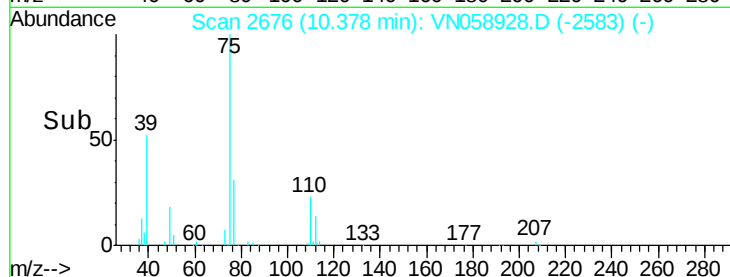
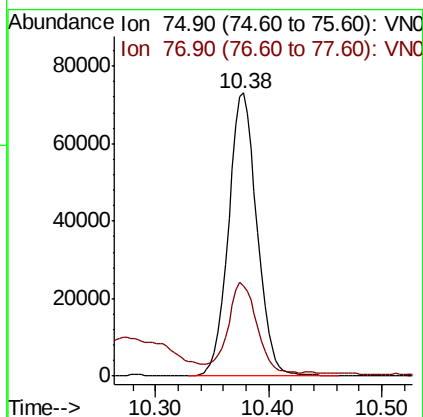
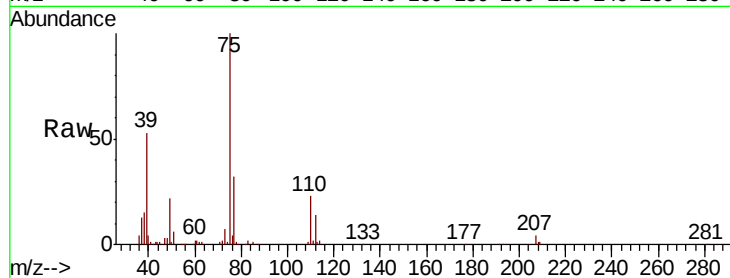
75 100

77 31.0 25.7 38.5

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 20.019 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN058928.D

Acq: 23 Oct 2019 14:40

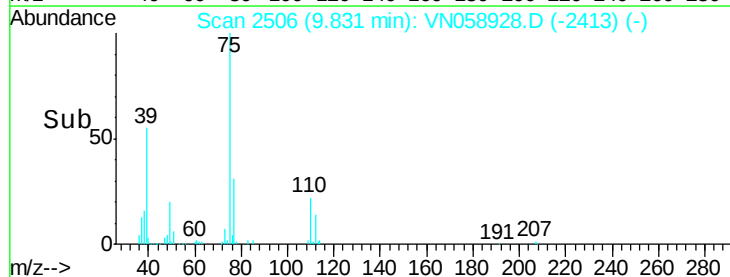
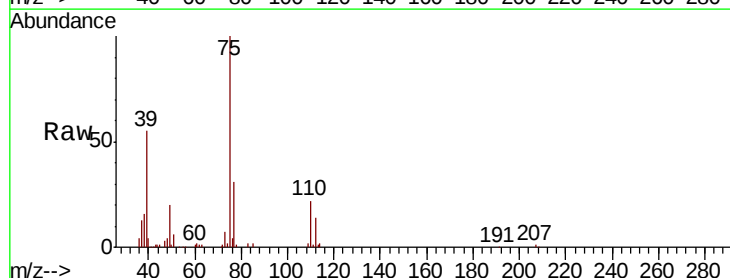
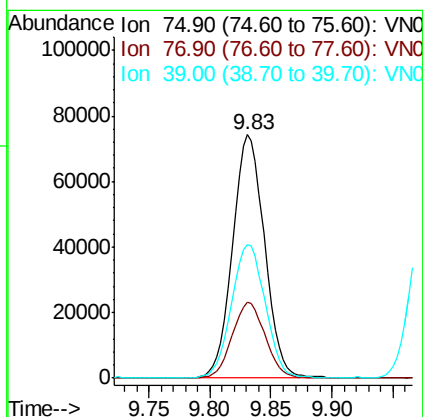
Tgt Ion: 75 Resp: 135268

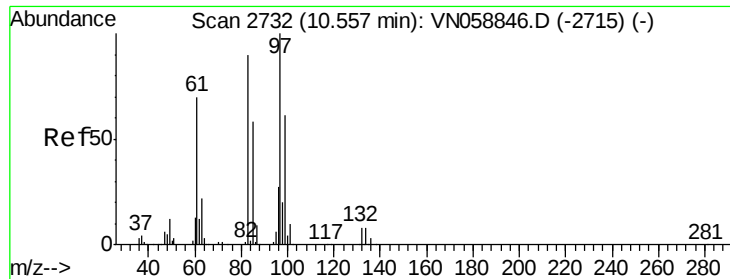
Ion Ratio Lower Upper

75 100

77 31.0 24.7 37.1

39 55.0 43.5 65.3





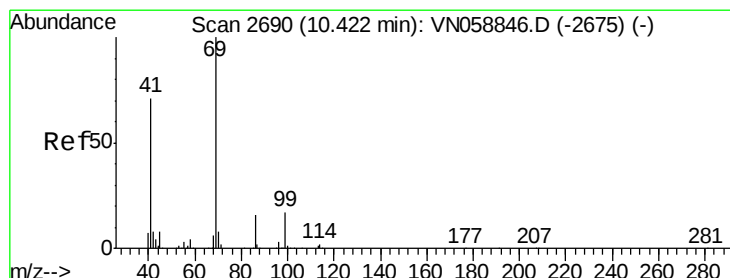
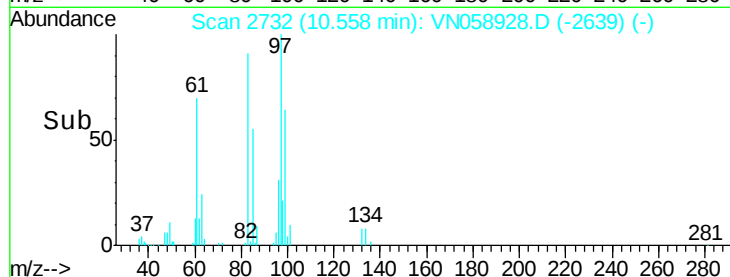
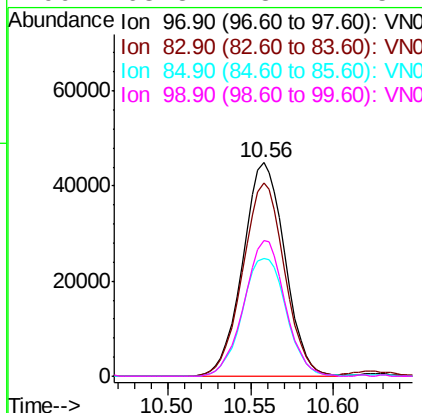
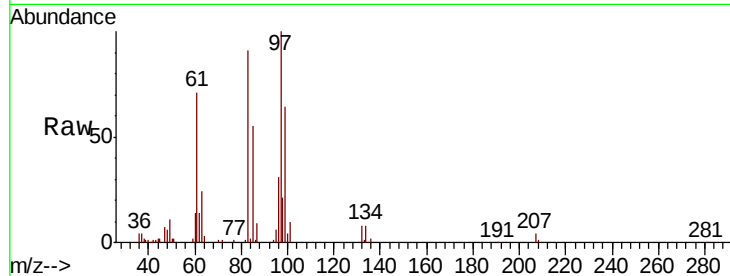
#55
 1,1,2-Trichloroethane
 Concen: 20.402 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN058928.D
 Acq: 23 Oct 2019 14:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBSD01

Tot Ion	Ratio	Lower	Upper
97	100		
83	90.6	72.2	108.4
85	55.5	46.2	69.2
99	63.8	48.7	73.1

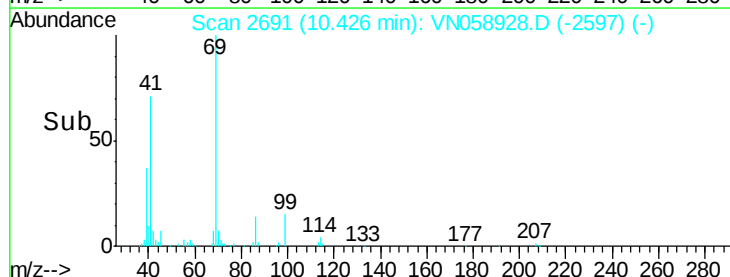
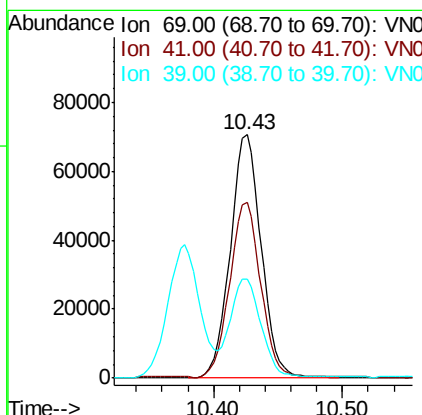
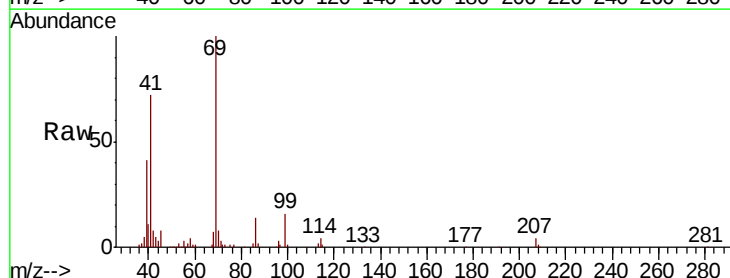
Manual Integrations
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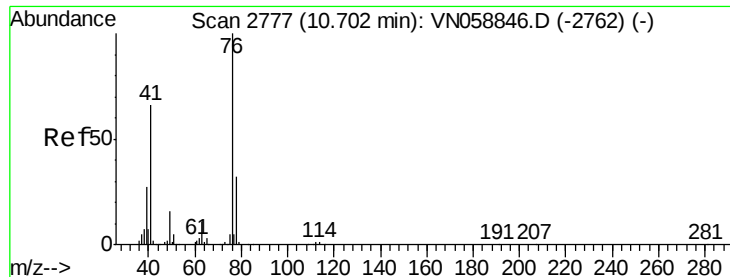
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 10/25/2019 2:44:23 PM



#56
 Ethyl methacrylate
 Concen: 19.271 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058928.D
 Acq: 23 Oct 2019 14:40

Tgt Ion	Ratio	Lower	Upper
69	100		
41	71.7	57.2	85.8
39	39.9	31.0	46.4





#57

1,3-Dichloropropane

Concen: 20.189 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN058928.D

Acq: 23 Oct 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBSD01

Tot Ion: 76 Resp: 138413

Ion Ratio Lower Upper

76 100

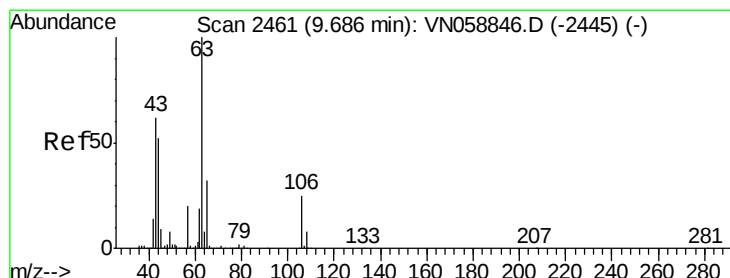
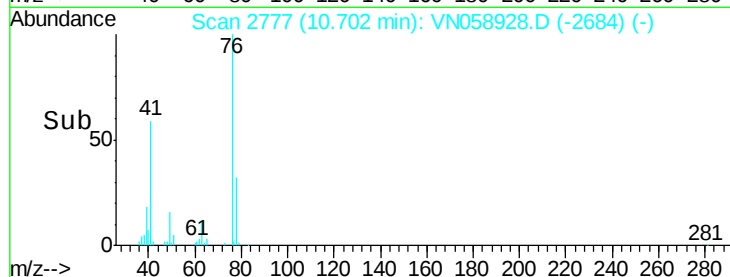
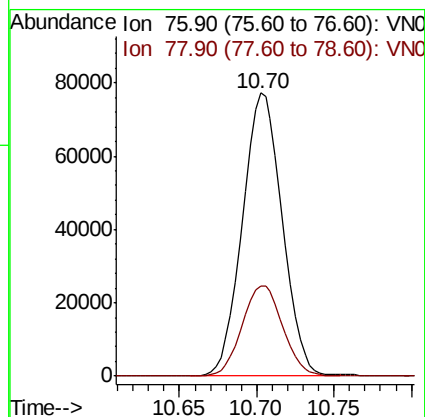
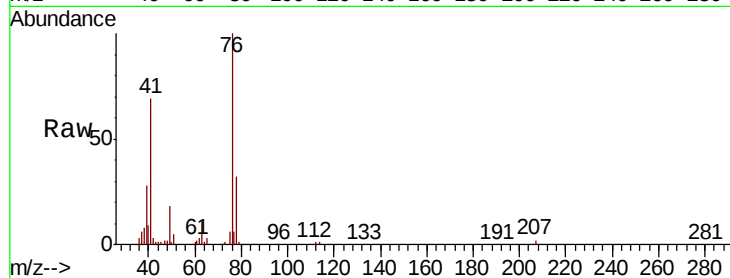
78 32.6 25.4 38.0

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 93.115 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN058928.D

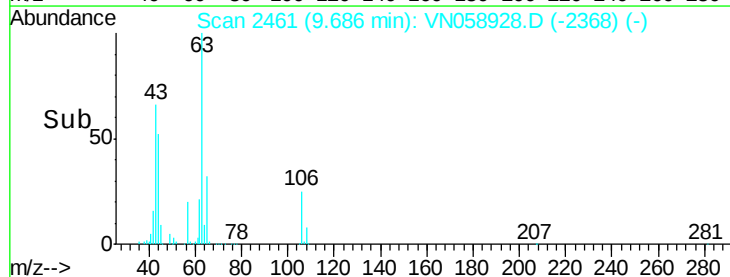
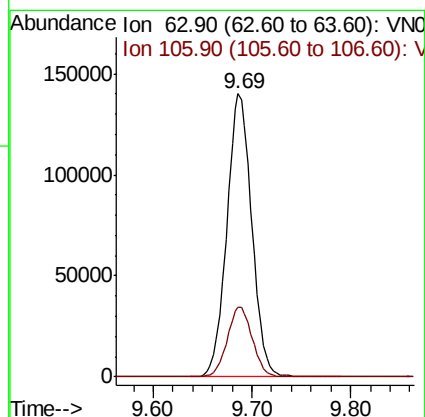
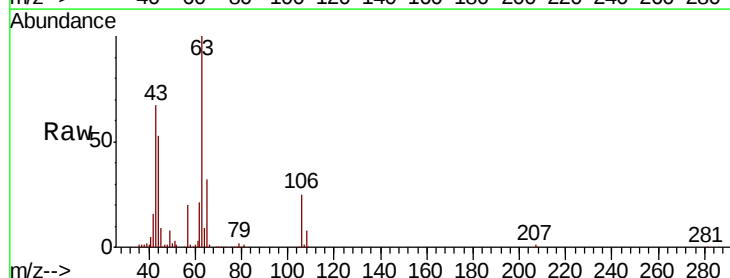
Acq: 23 Oct 2019 14:40

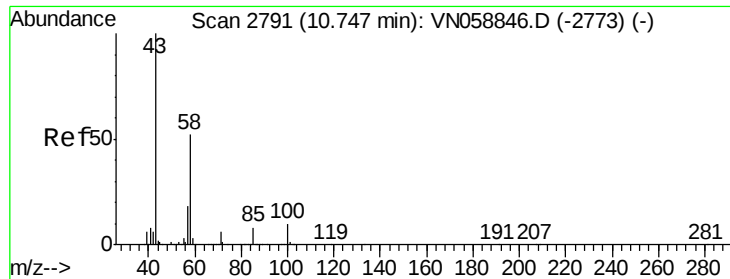
Tgt Ion: 63 Resp: 247927

Ion Ratio Lower Upper

63 100

106 24.8 19.8 29.8





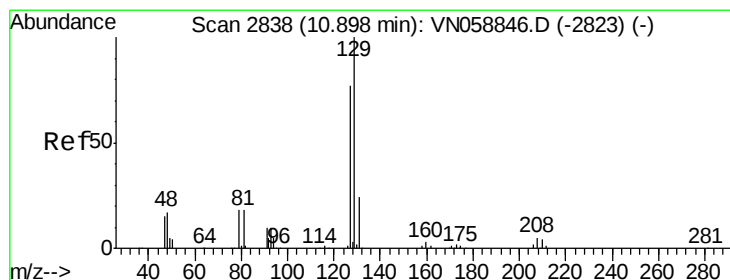
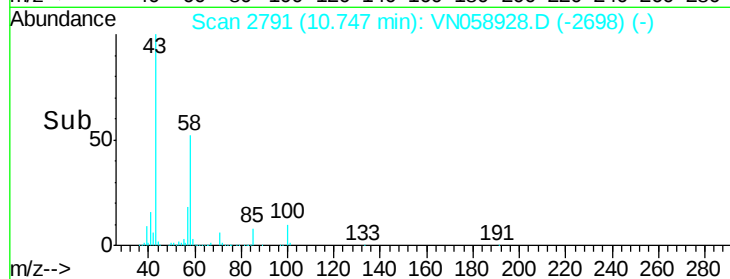
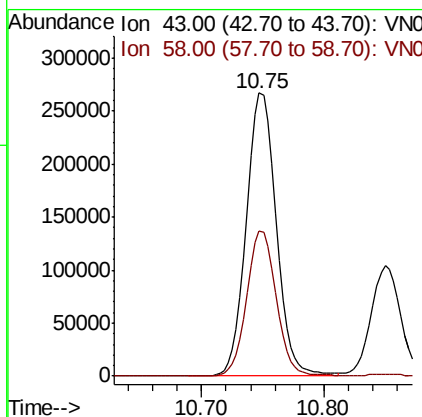
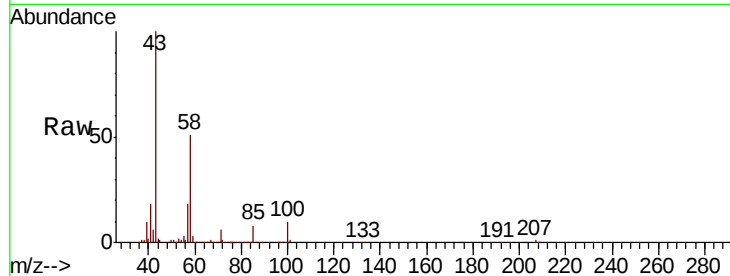
#59
2-Hexanone
Concen: 104.437 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN058928.D
Acq: 23 Oct 2019 14:40

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBSD01

Tot Ion: 43 Resp: 448543
Ion Ratio Lower Upper
43 100
58 50.7 25.9 77.7

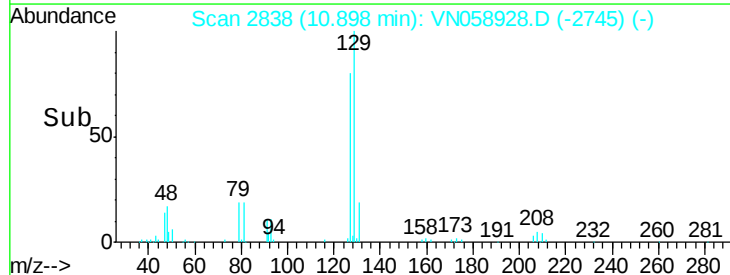
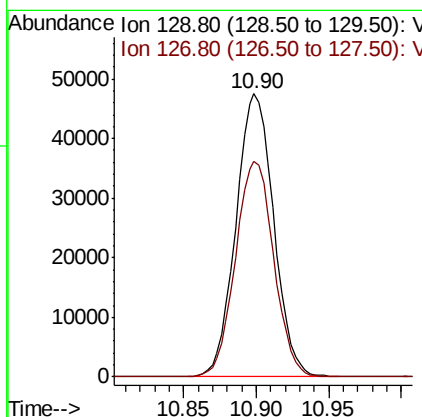
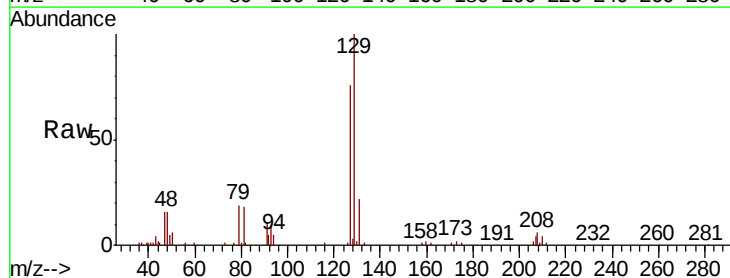
Manual Integrations
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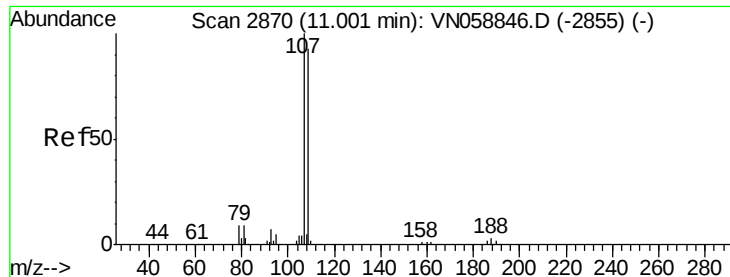
MMDadoda
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#60
Dibromochloromethane
Concen: 20.467 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN058928.D
Acq: 23 Oct 2019 14:40

Tgt Ion: 129 Resp: 86052
Ion Ratio Lower Upper
129 100
127 77.2 39.1 117.3





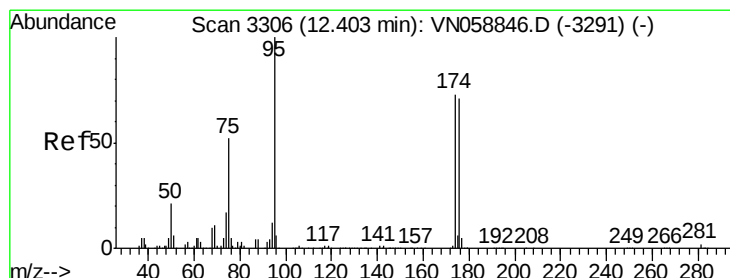
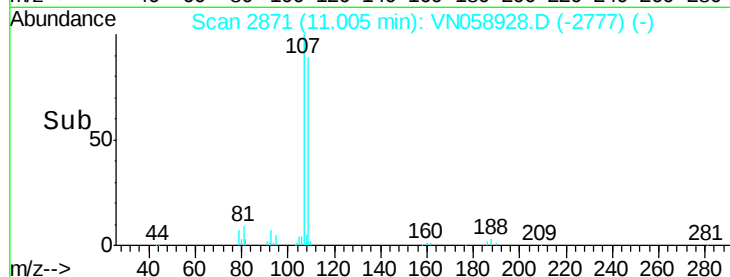
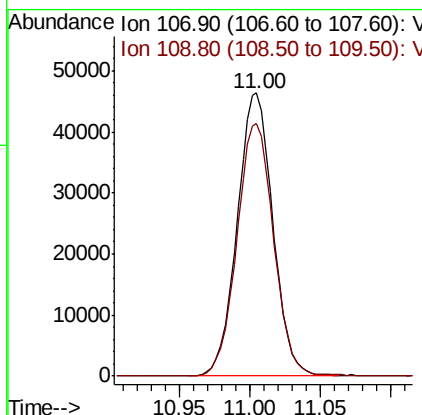
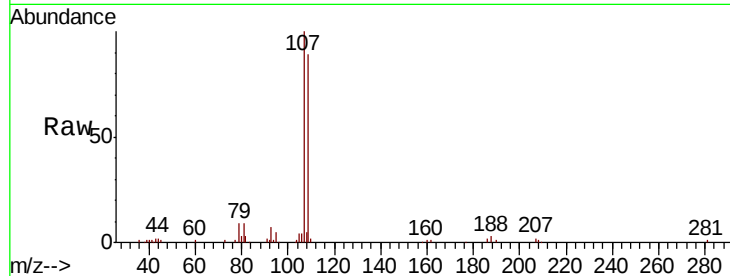
#61
 1,2-Dibromoethane
 Concen: 20.516 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058928.D
 Acq: 23 Oct 2019 14:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.6	75.2	112.8

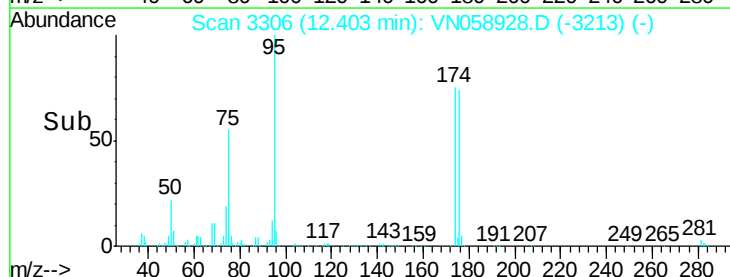
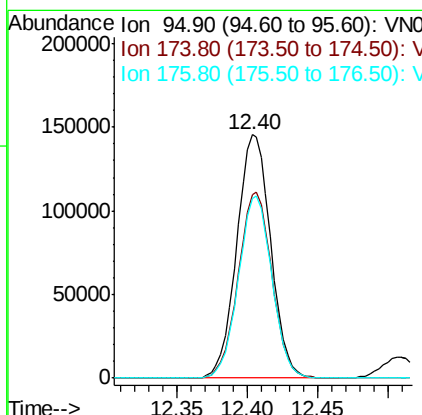
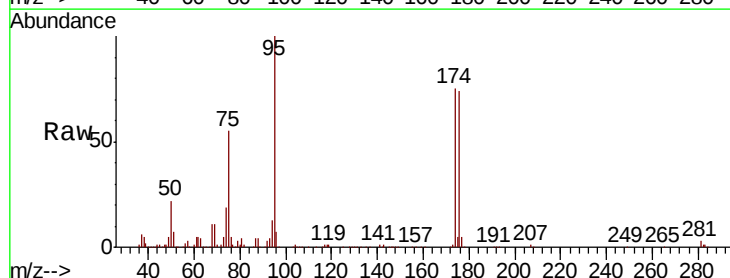
Manual Integrations
 APPROVED

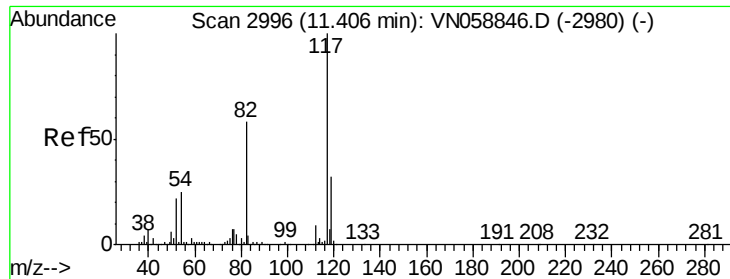
MMDadoda
 10/25/2019 2:44:23 PM



#62
 4-Bromofluorobenzene
 Concen: 49.210 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058928.D
 Acq: 23 Oct 2019 14:40

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.9	0.0	147.6
176	73.7	0.0	143.2





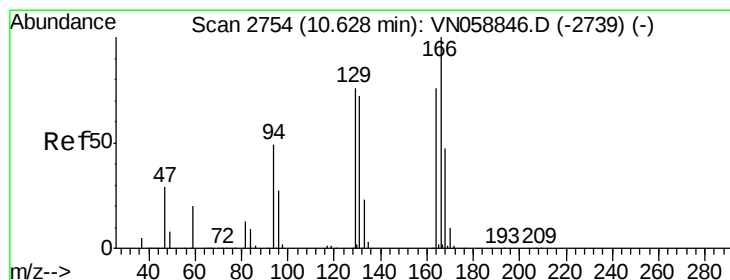
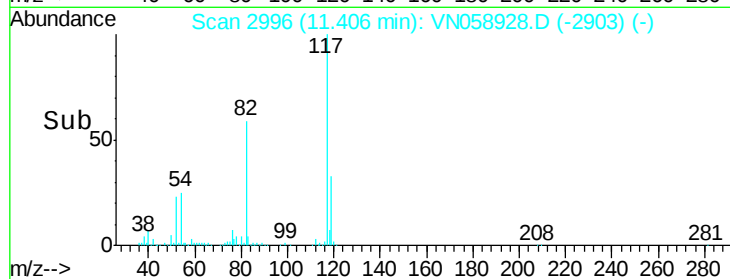
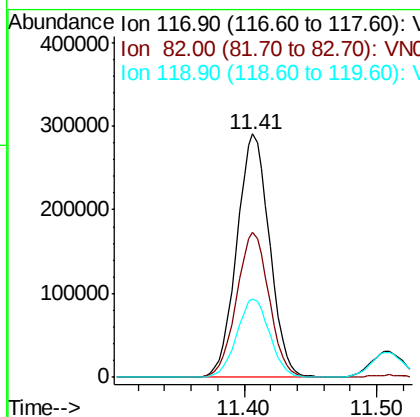
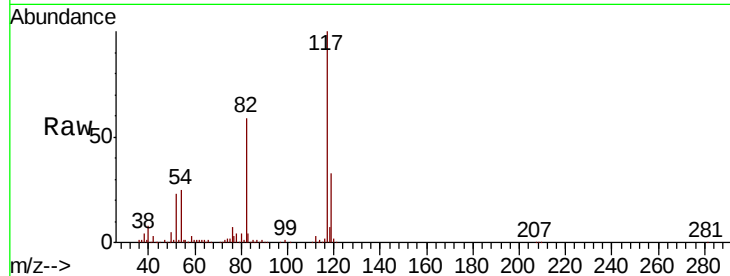
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058928.D
Acq: 23 Oct 2019 14:40

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	498224		
82	59.5	46.6	69.8	
119	32.5	25.6	38.4	

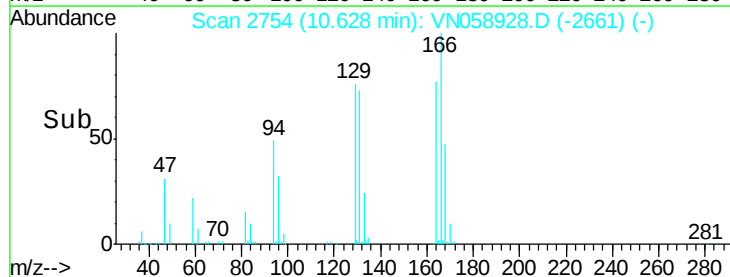
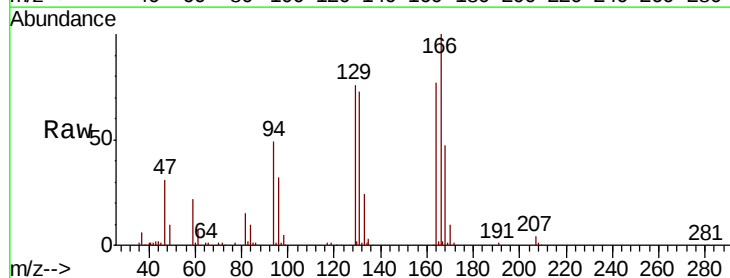
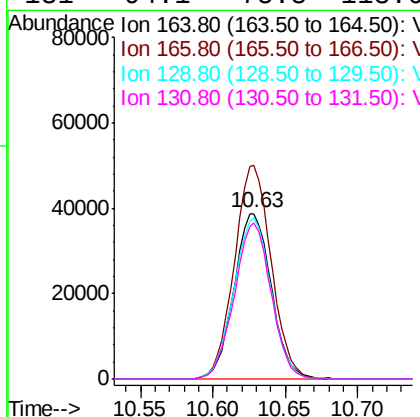
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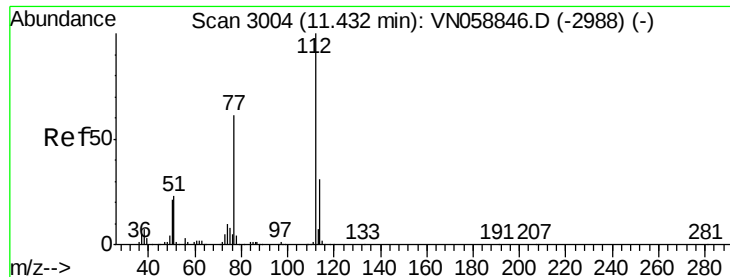
MMDadoda
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#64
Tetrachloroethene
Concen: 19.874 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058928.D
Acq: 23 Oct 2019 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	69344		
166	129.0	104.8	157.2	
129	97.8	79.3	118.9	
131	94.1	75.8	113.6	





#65

Chlorobenzene

Concen: 20.393 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN058928.D

Acq: 23 Oct 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBSD01

Tot Ion:112 Resp: 206852

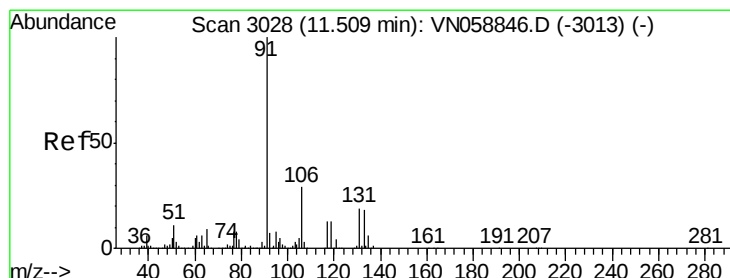
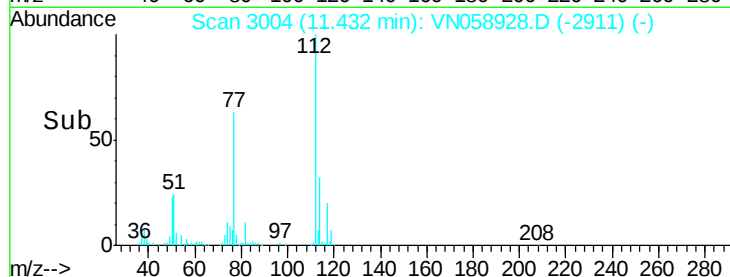
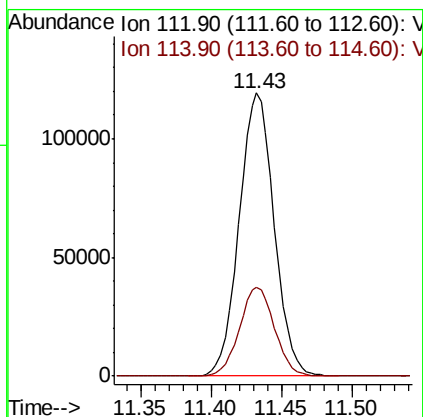
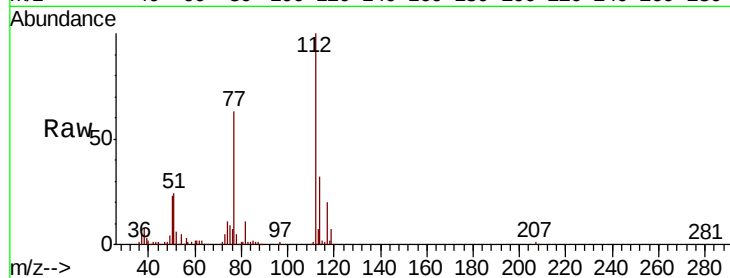
Ion Ratio Lower Upper

112 100

114 31.6 25.1 37.7

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 20.516 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN058928.D

Acq: 23 Oct 2019 14:40

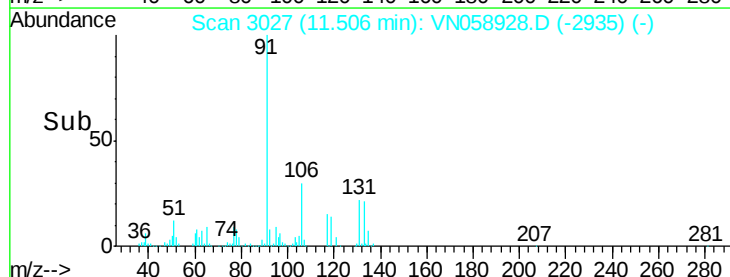
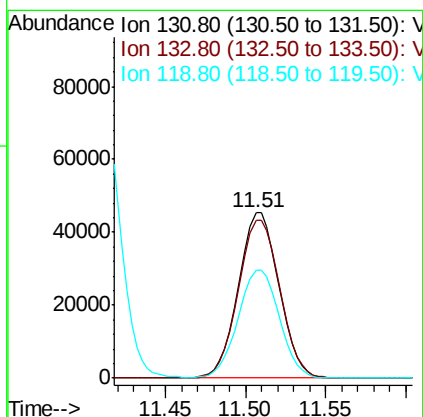
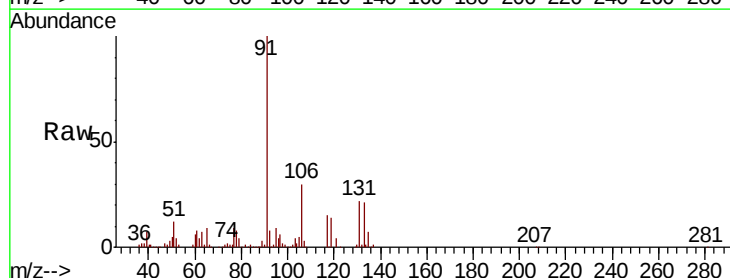
Tgt Ion:131 Resp: 78527

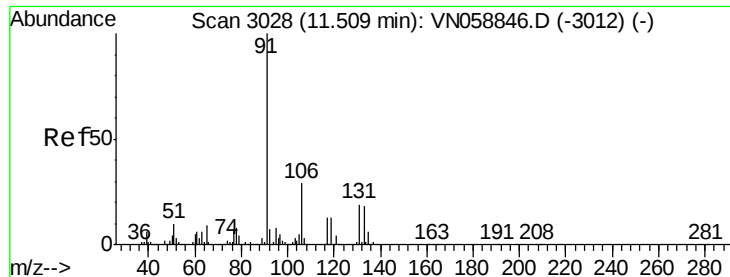
Ion Ratio Lower Upper

131 100

133 98.1 48.4 145.2

119 66.5 33.6 100.8





#67

Ethyl Benzene

Concen: 20.967 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058928.D

Acq: 23 Oct 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBSD01

Tot Ion: 91 Resp: 373072

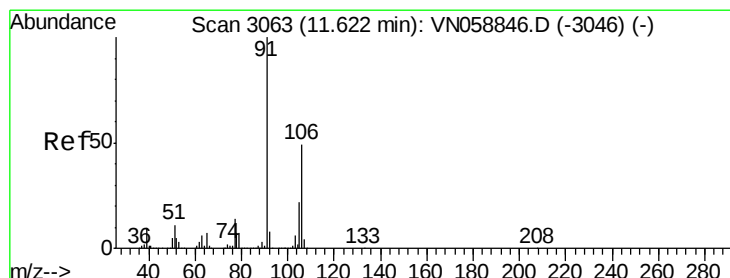
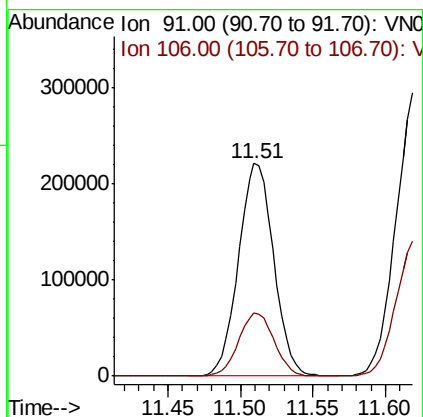
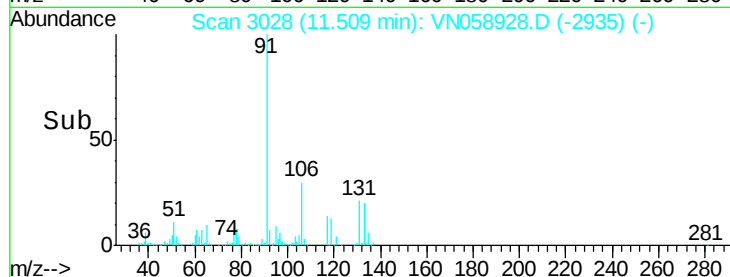
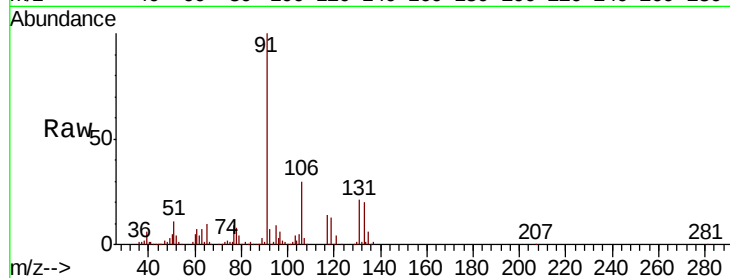
Ion Ratio Lower Upper

91 100

106 29.5 23.4 35.0

Manual Integrations
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#68

m/p-Xylenes

Concen: 41.683 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058928.D

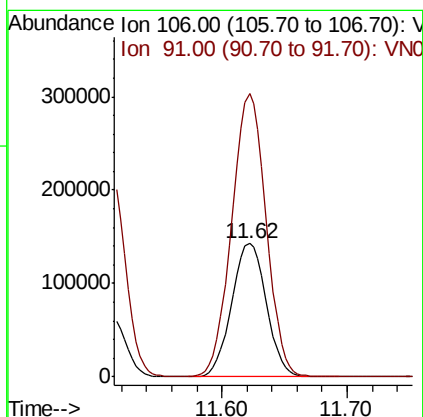
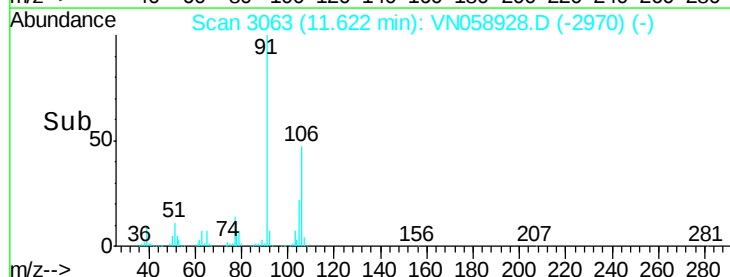
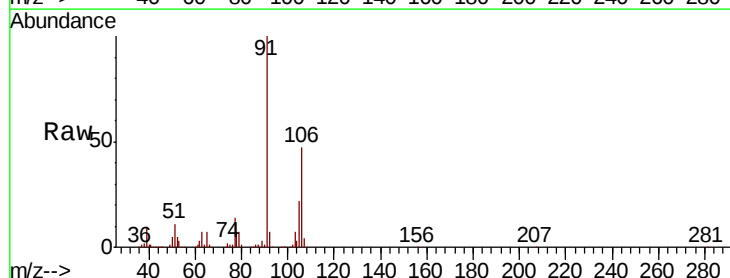
Acq: 23 Oct 2019 14:40

Tgt Ion: 106 Resp: 275050

Ion Ratio Lower Upper

106 100

91 209.7 166.6 249.8





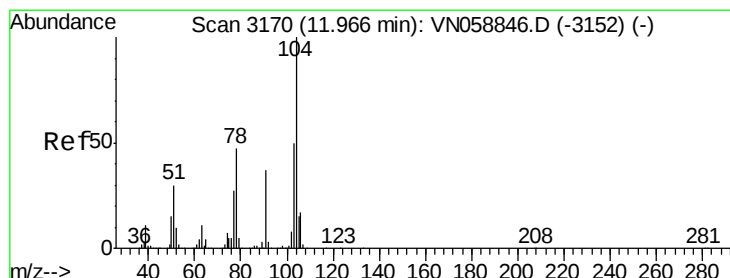
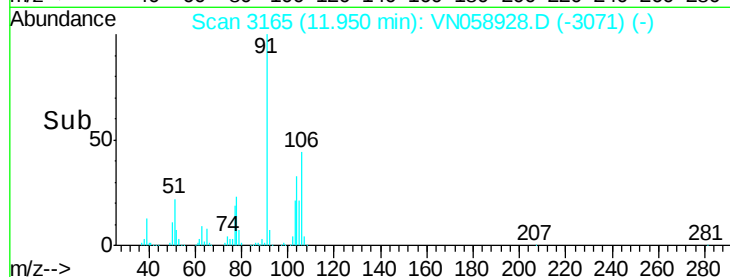
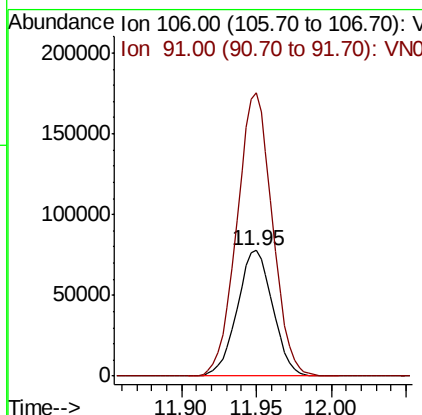
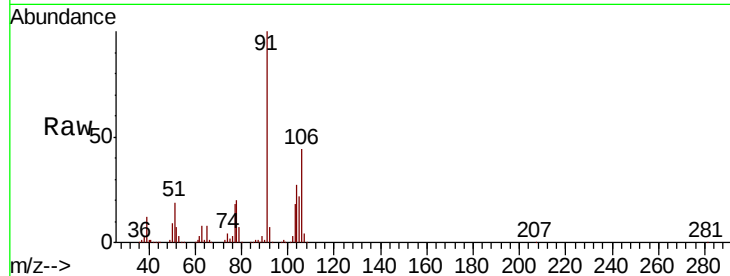
#69
o-Xylene
Concen: 20.428 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058928.D
Acq: 23 Oct 2019 14:40

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	225.2	111.5	334.4

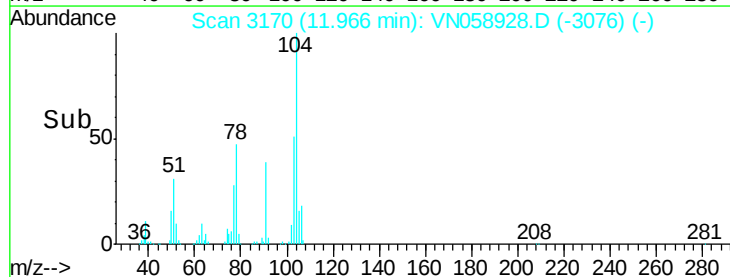
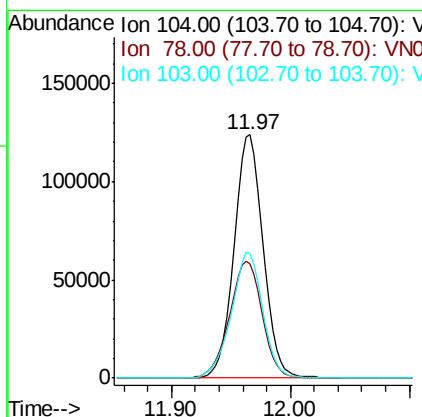
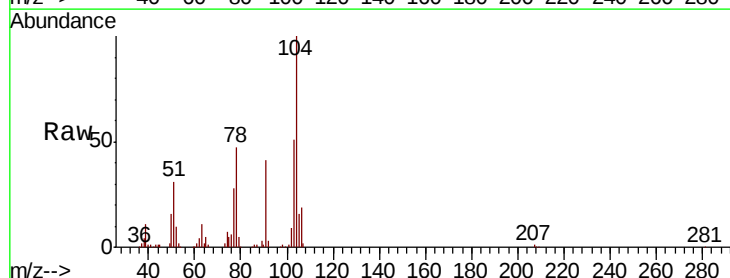
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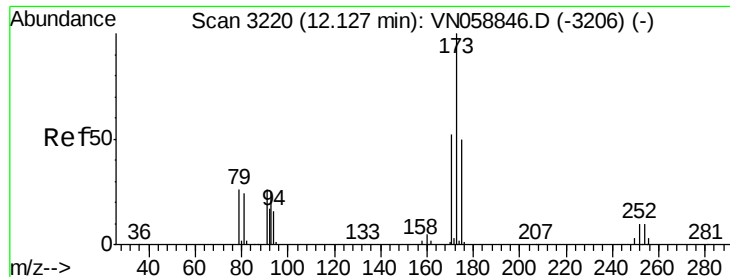
MMDadoda
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#70
Styrene
Concen: 19.172 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058928.D
Acq: 23 Oct 2019 14:40

Tgt Ion	Ratio	Lower	Upper
104	100		
78	54.0	42.8	64.2
103	55.9	44.3	66.5





#71

Bromoform

Concen: 19.980 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058928.D

Acq: 23 Oct 2019 14:40

Instrument :

MSVOA_N

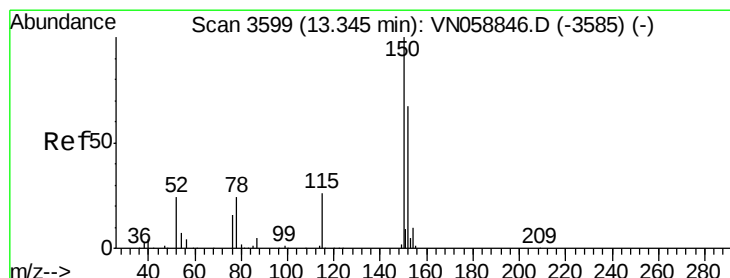
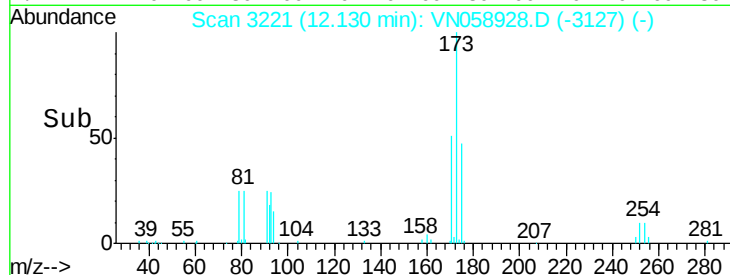
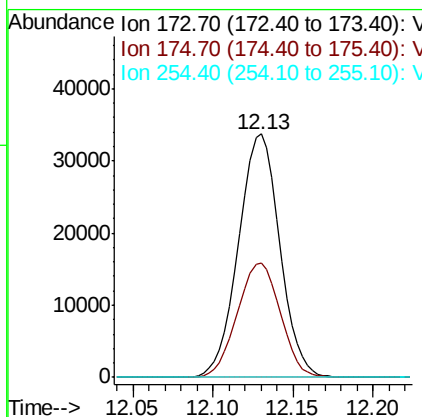
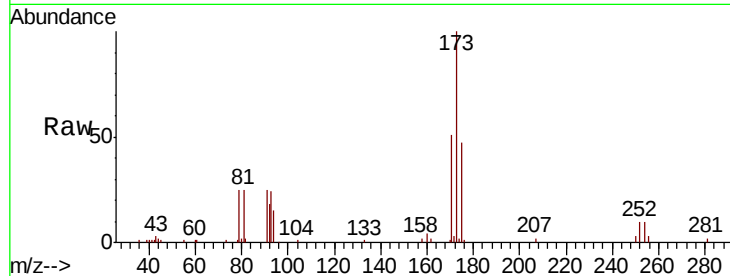
ClientSampleId :

VN1024WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.7	74.1
254	0.0	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

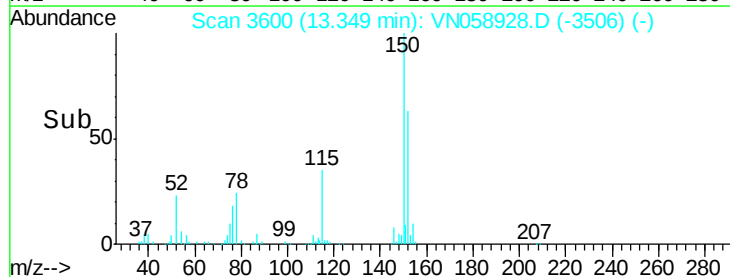
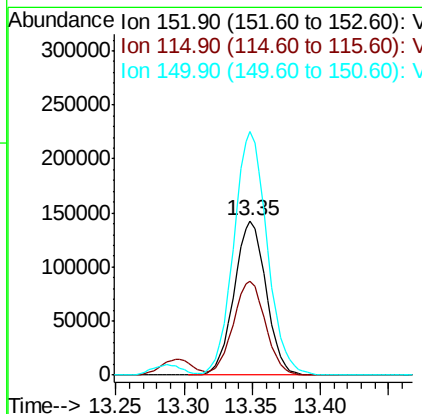
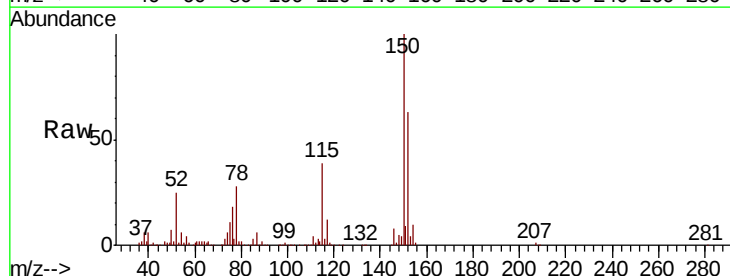
RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058928.D

Acq: 23 Oct 2019 14:40

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.6	30.5	91.5
150	164.5	0.0	344.4





#73

Isopropylbenzene

Concen: 21.077 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058928.D

Acq: 23 Oct 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBSD01

Tot Ion: 105 Resp: 357438

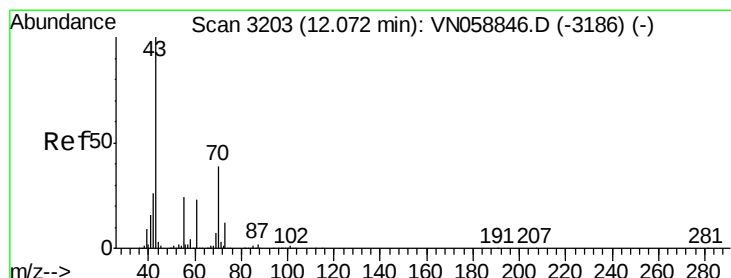
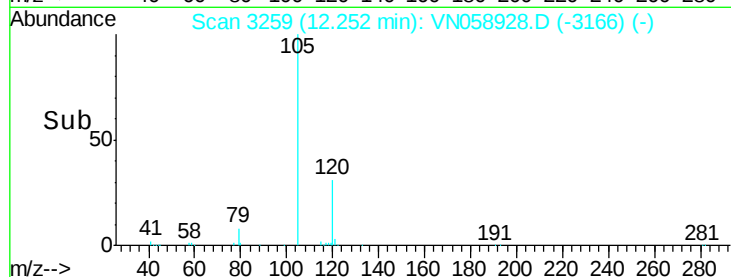
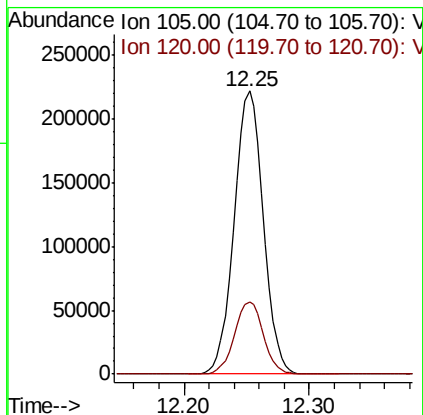
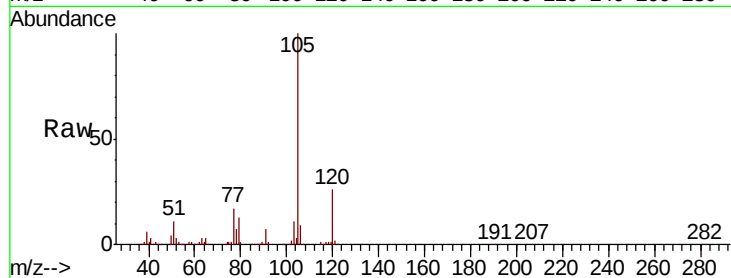
Ion Ratio Lower Upper

105 100

120 25.4 12.8 38.4

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#74

N-ethyl acetate

Concen: 20.887 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058928.D

Acq: 23 Oct 2019 14:40

Tgt Ion: 43 Resp: 160591

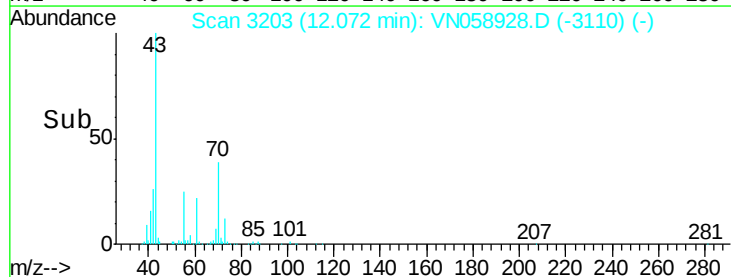
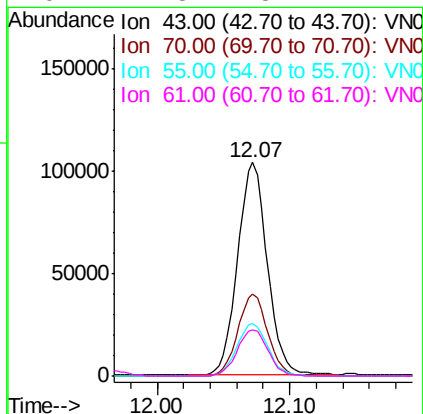
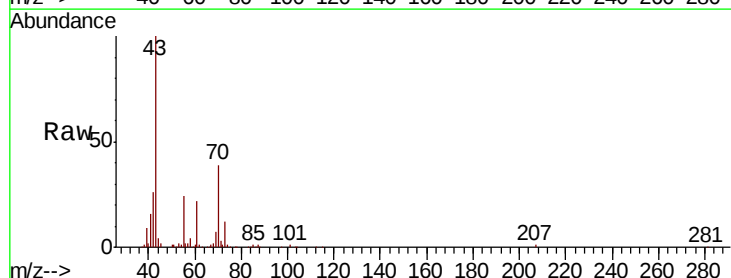
Ion Ratio Lower Upper

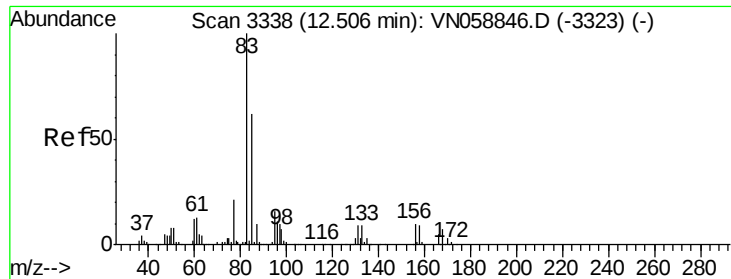
43 100

70 39.2 30.9 46.3

55 25.9 19.7 29.5

61 22.8 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 21.179 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058928.D

Acq: 23 Oct 2019 14:40

Instrument :

MSVOA_N

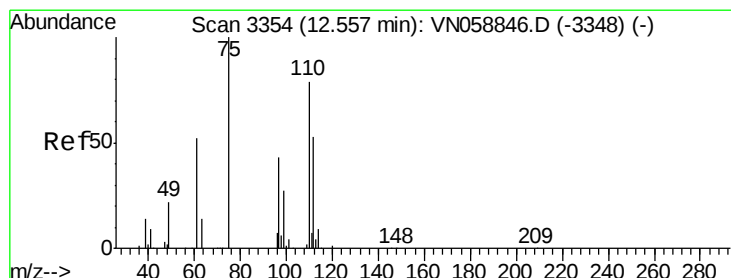
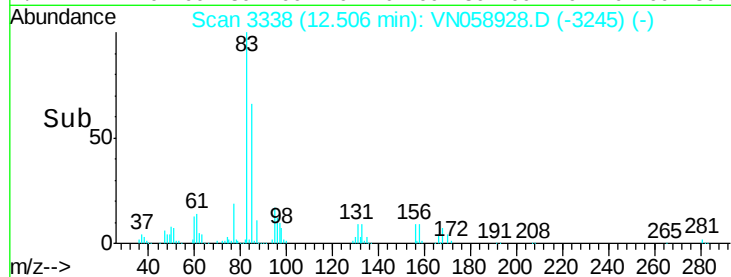
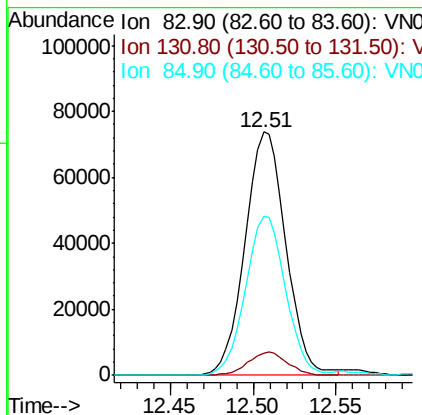
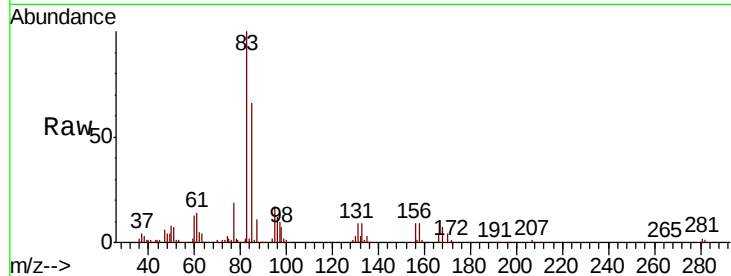
ClientSampleId :

VN1024WBSD01

Tot Ion:	83	Resp:	126293
Ion Ratio	Lower	Upper	
83	100		
131	9.2	4.7	14.1
85	64.0	31.7	95.1

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.477 ug/l m

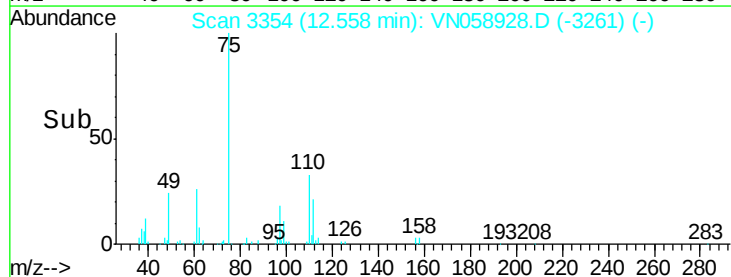
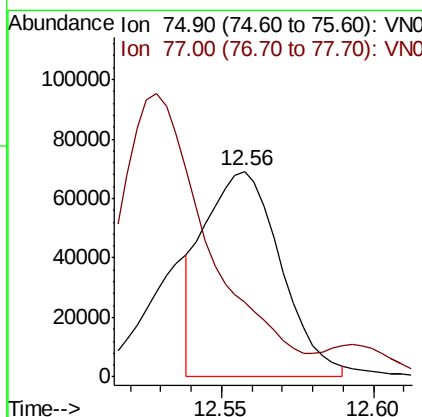
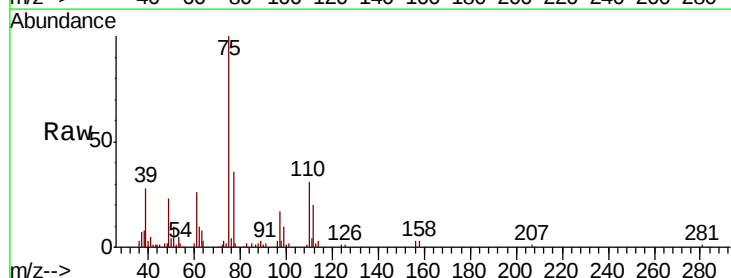
RT: 12.56 min Scan# 3354

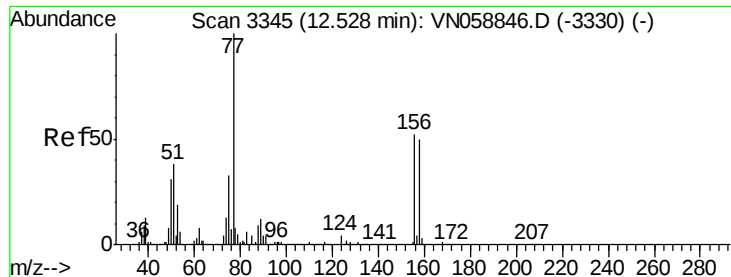
Delta R.T. 0.00 min

Lab File: VN058928.D

Acq: 23 Oct 2019 14:40

Tgt Ion:	75	Resp:	120882
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.527 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058928.D

Acq: 23 Oct 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBSD01

Tot Ion:156 Resp: 85803

Ion Ratio Lower Upper

156 100

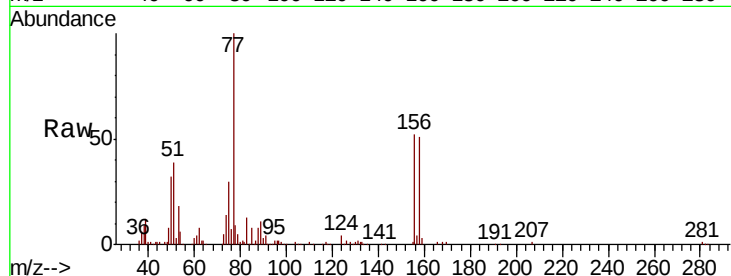
77 234.0 118.0 354.0

158 97.4 48.3 144.8

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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

120000

100000

80000

60000

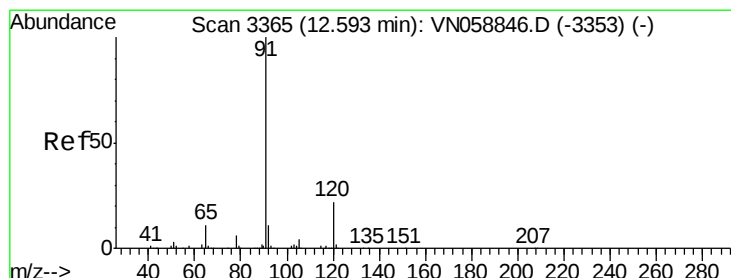
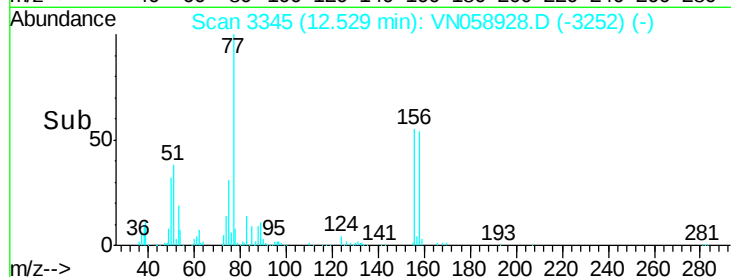
40000

20000

0

12.45 12.50 12.55 12.60

Time-->



#78

n-propylbenzene

Concen: 20.999 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN058928.D

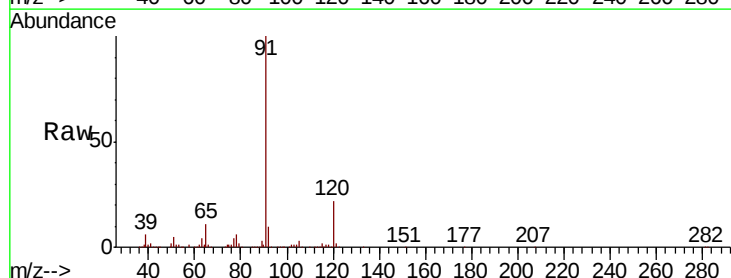
Acq: 23 Oct 2019 14:40

Tgt Ion: 91 Resp: 420942

Ion Ratio Lower Upper

91 100

120 22.0 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

300000

250000

200000

150000

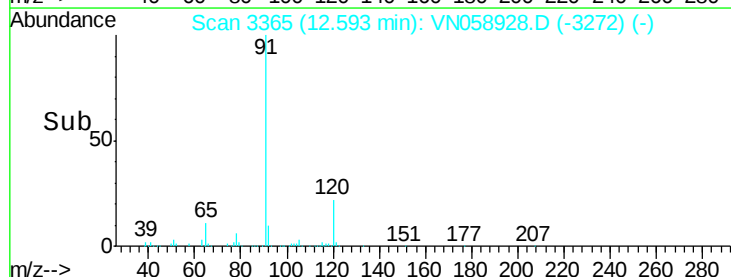
100000

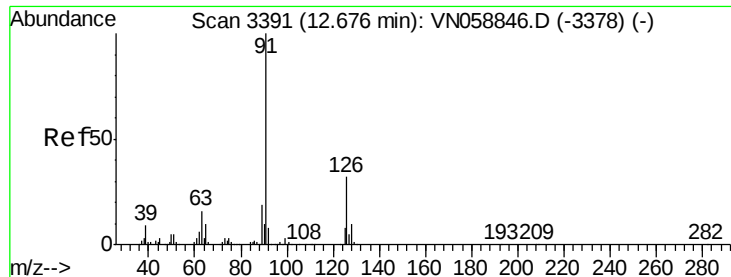
50000

0

12.55 12.60 12.65

Time-->





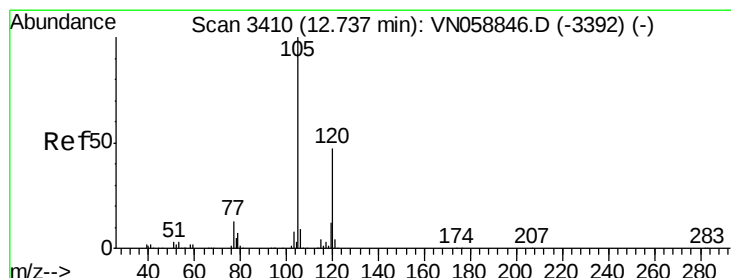
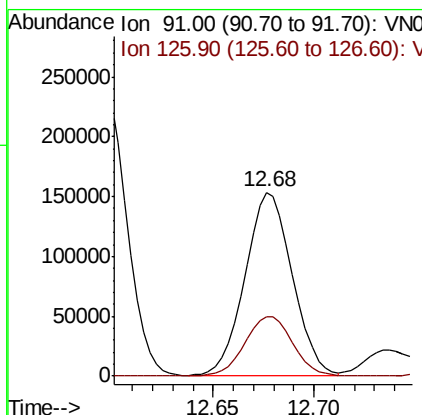
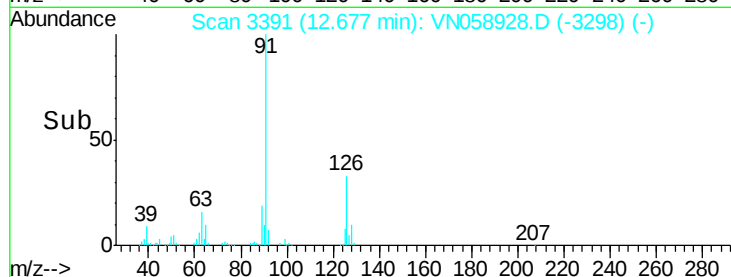
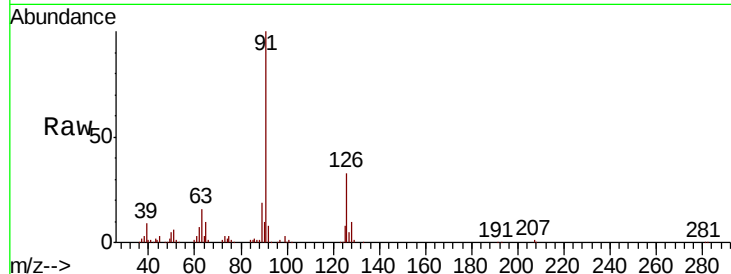
#79
 2-Chlorotoluene
 Concen: 20.366 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN058928.D
 Acq: 23 Oct 2019 14:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBSD01

Tot Ion: 91 Resp: 249874
 Ion Ratio Lower Upper
 91 100
 126 33.3 16.2 48.6

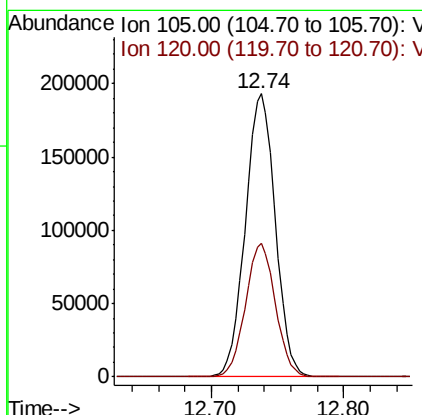
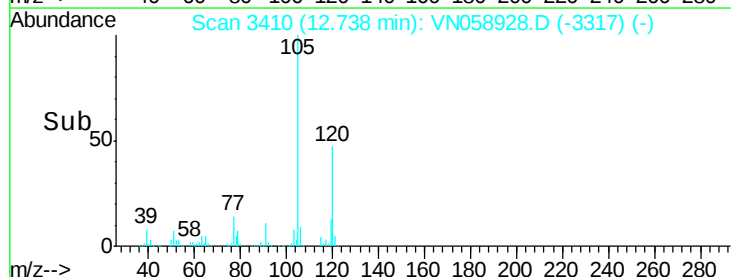
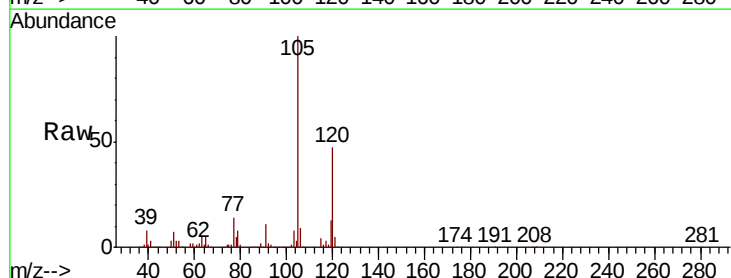
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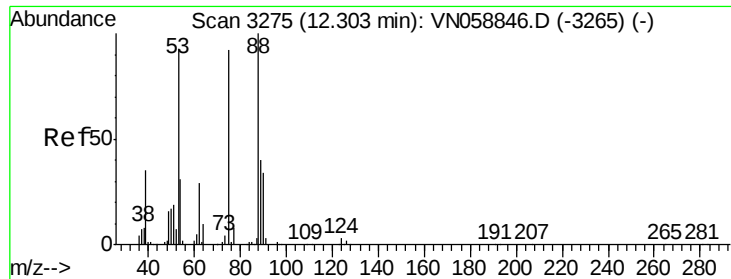
MMDadoda
 10/25/2019 2:44:23 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 21.235 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN058928.D
 Acq: 23 Oct 2019 14:40

Tgt Ion: 105 Resp: 302565
 Ion Ratio Lower Upper
 105 100
 120 47.1 23.8 71.5





#81

trans-1,4-Dichloro-2-butene

Concen: 19.793 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058928.D

Acq: 23 Oct 2019 14:40

Instrument :

MSVOA_N

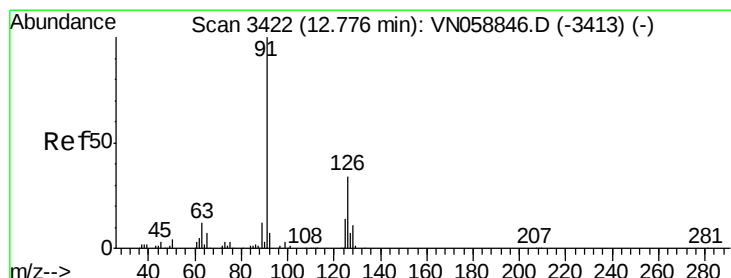
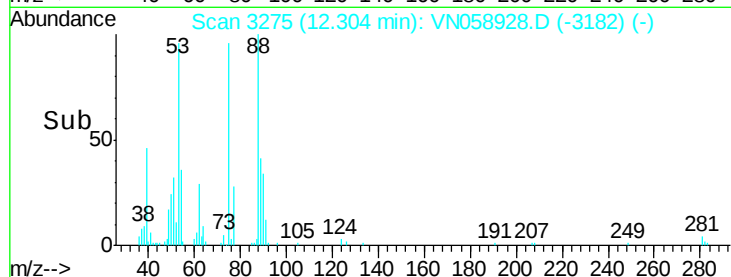
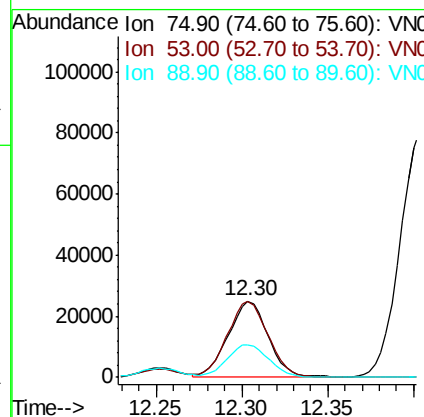
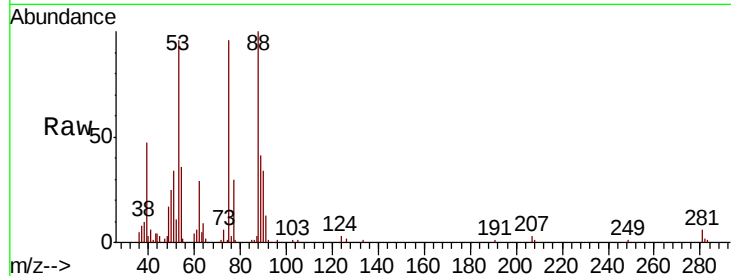
ClientSampleId :

VN1024WBSD01

Tot Ion:	75	Resp:	40863
Ion	Ratio	Lower	Upper
75	100		
53	99.5	78.6	118.0
89	44.0	35.4	53.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.828 ug/l

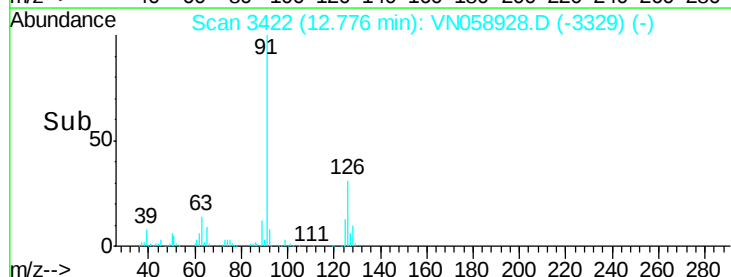
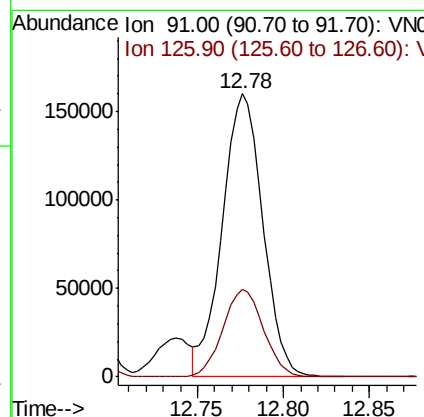
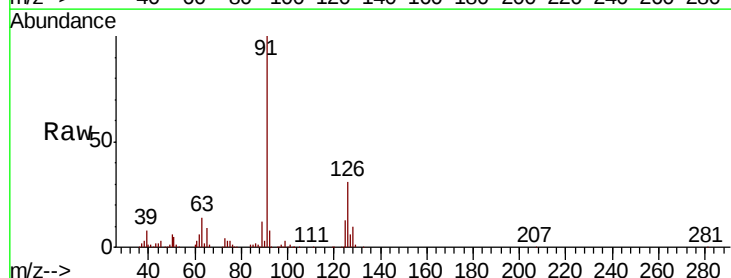
RT: 12.78 min Scan# 3422

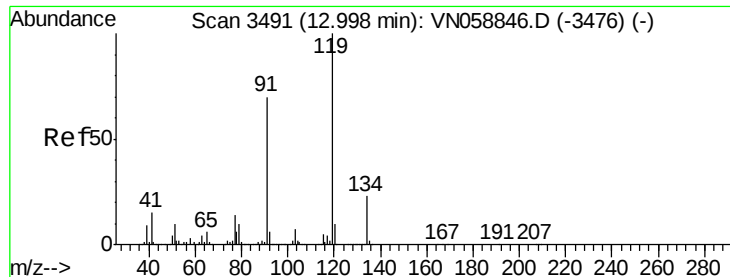
Delta R.T. 0.00 min

Lab File: VN058928.D

Acq: 23 Oct 2019 14:40

Tgt Ion:	91	Resp:	261145
Ion	Ratio	Lower	Upper
91	100		
126	31.2	16.0	47.9





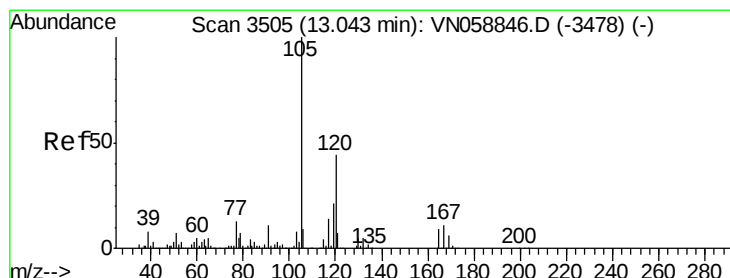
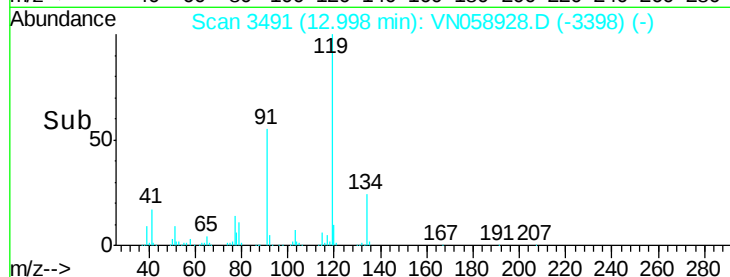
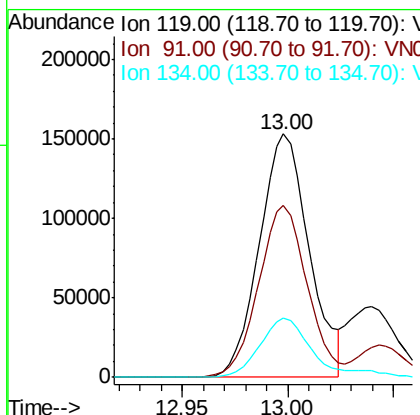
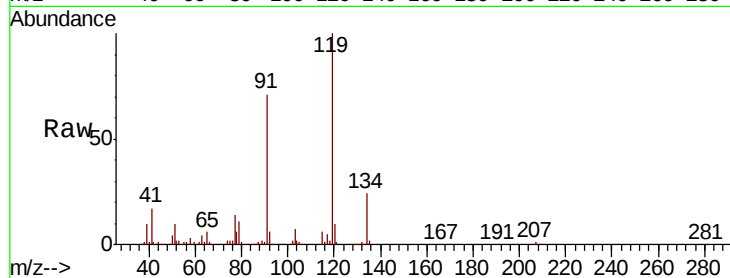
#83
tert-Butylbenzene
Concen: 20.652 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN058928.D
Acq: 23 Oct 2019 14:40

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.0	34.1	102.3
134	24.3	11.6	34.8

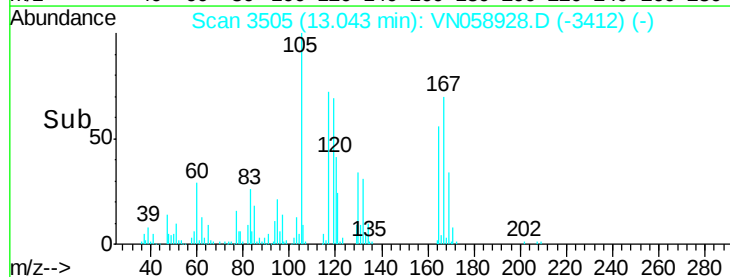
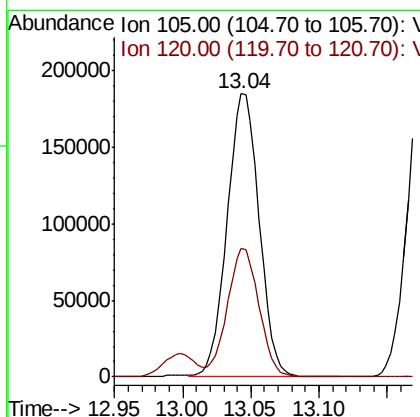
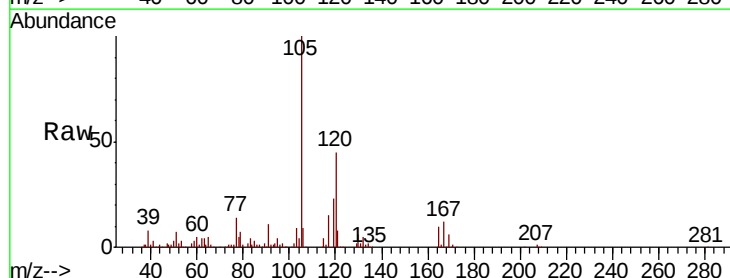
Manual Integrations
APPROVED

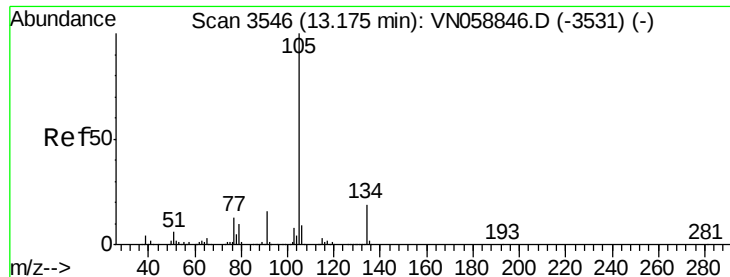
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#84
1,2,4-Trimethylbenzene
Concen: 21.409 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN058928.D
Acq: 23 Oct 2019 14:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	21.9	65.8





#85

sec-Butylbenzene

Concen: 21.228 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058928.D

Acq: 23 Oct 2019 14:40

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBSD01

Tot Ion:105 Resp: 344850

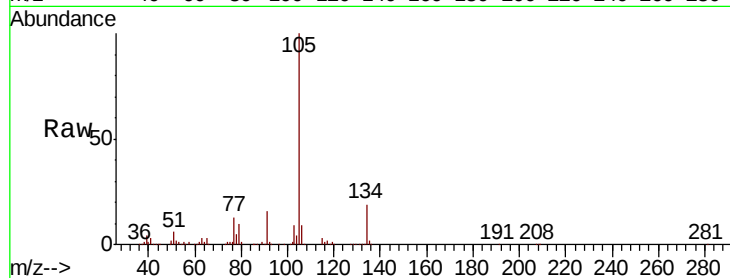
Ion Ratio Lower Upper

105 100

134 19.2 9.4 28.2

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

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

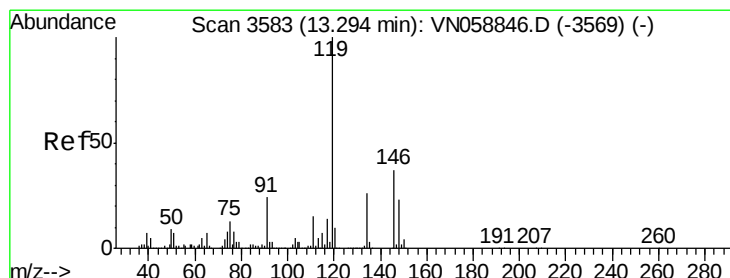
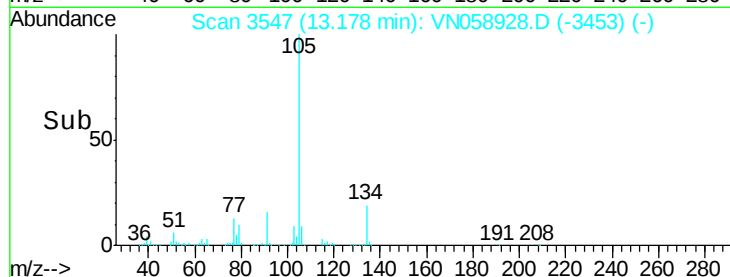
100000

50000

0

13.10 13.15 13.20 13.25

Time-->



#86

p-Isopropyltoluene

Concen: 21.306 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058928.D

Acq: 23 Oct 2019 14:40

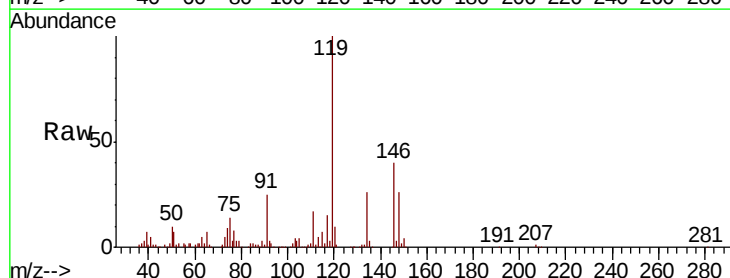
Tgt Ion:119 Resp: 305393

Ion Ratio Lower Upper

119 100

134 25.8 12.8 38.4

91 25.2 12.2 36.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

250000

200000

150000

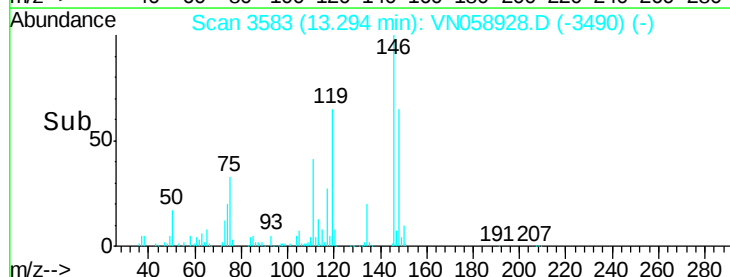
100000

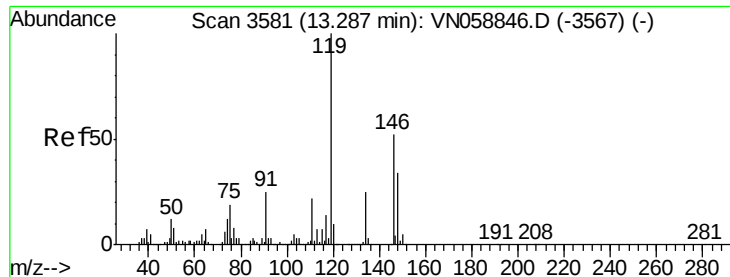
50000

0

13.20 13.25 13.30 13.35

Time-->





#87

1,3-Dichlorobenzene

Concen: 20.484 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN058928.D

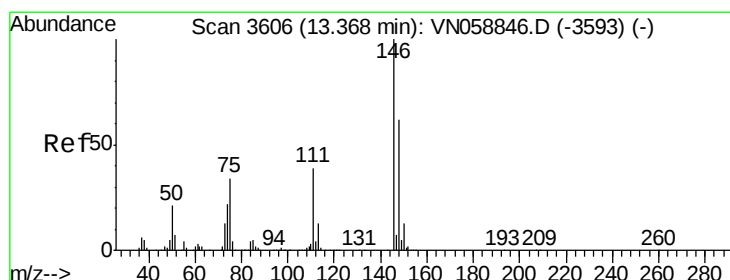
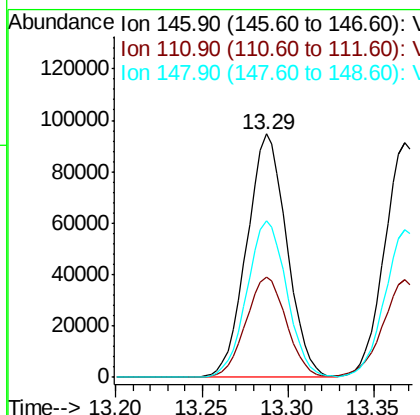
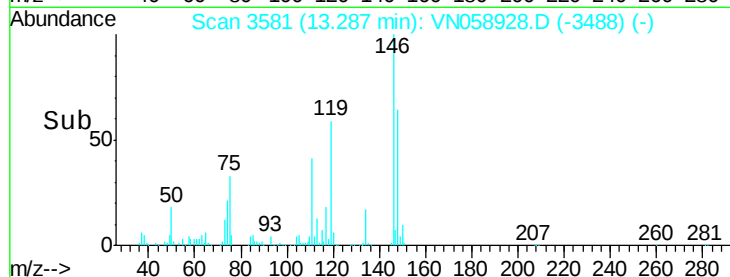
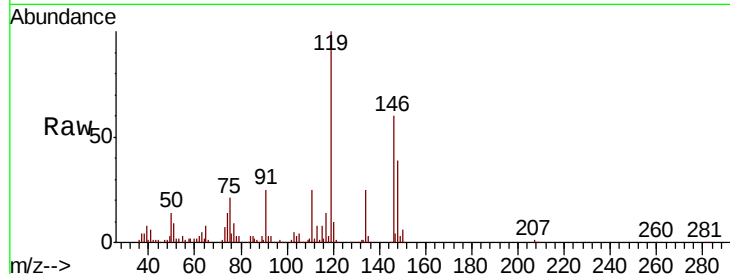
Acq: 23 Oct 2019 14:40

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.0	63.0
148	64.2	32.1	96.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.211 ug/l

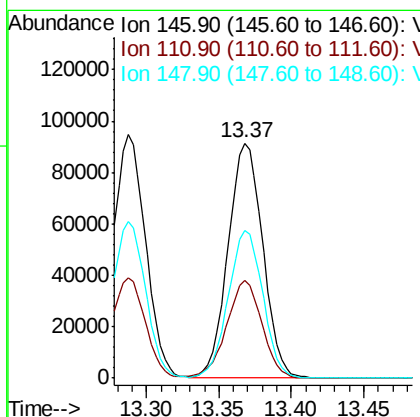
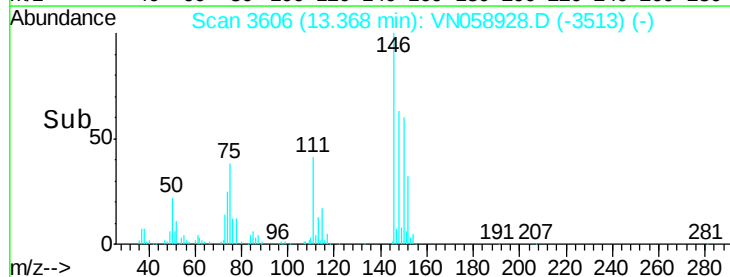
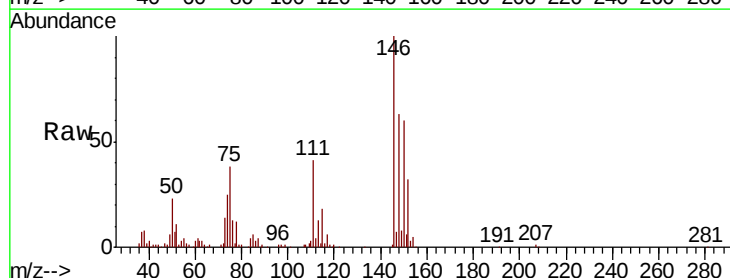
RT: 13.37 min Scan# 3606

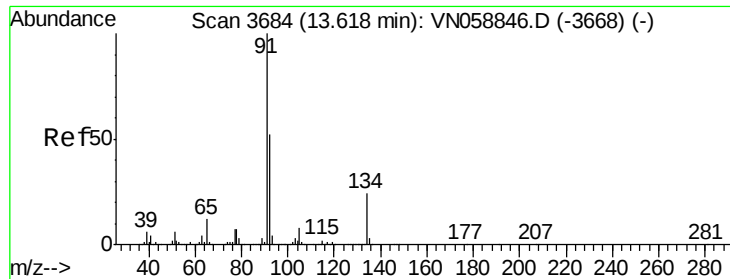
Delta R.T. 0.00 min

Lab File: VN058928.D

Acq: 23 Oct 2019 14:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.2	60.6
148	62.7	31.6	94.7





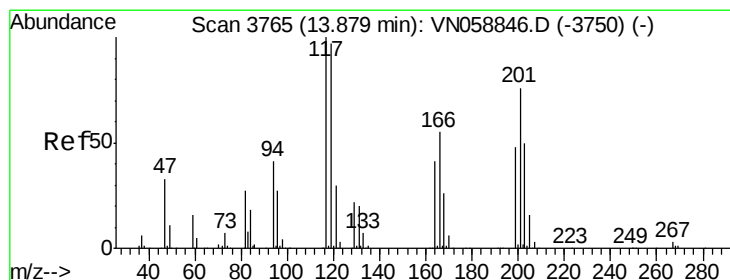
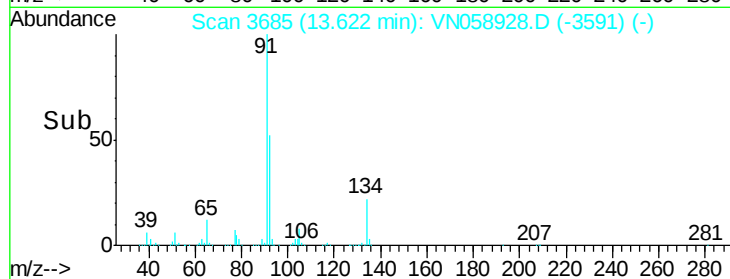
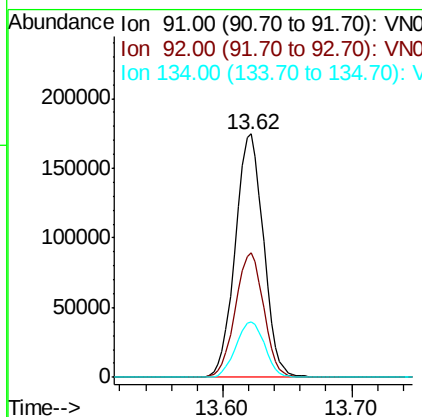
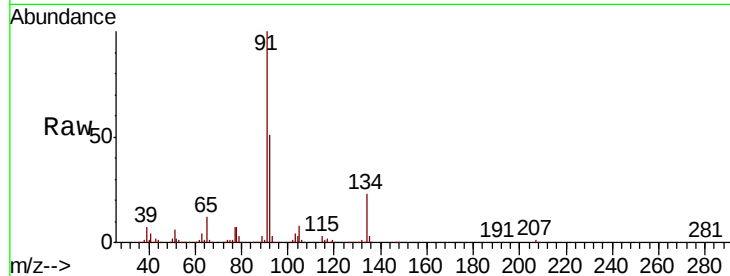
#89
n-Butylbenzene
Concen: 20.195 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN058928.D
Acq: 23 Oct 2019 14:40

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.4	25.7	77.1
134	23.2	11.9	35.5

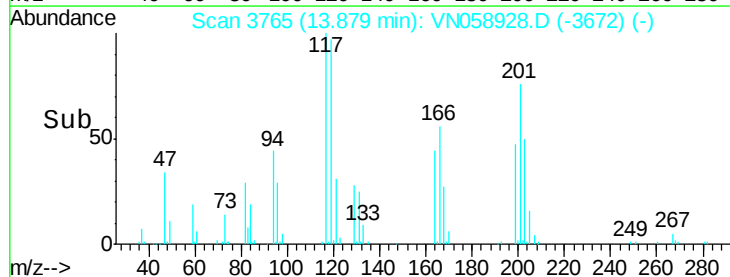
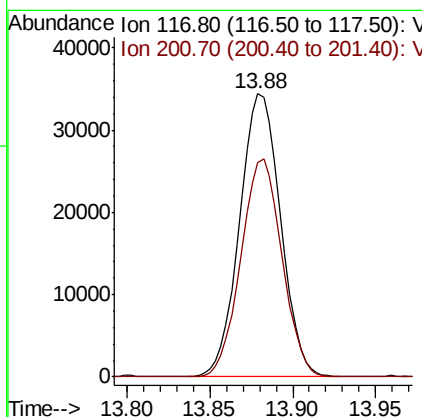
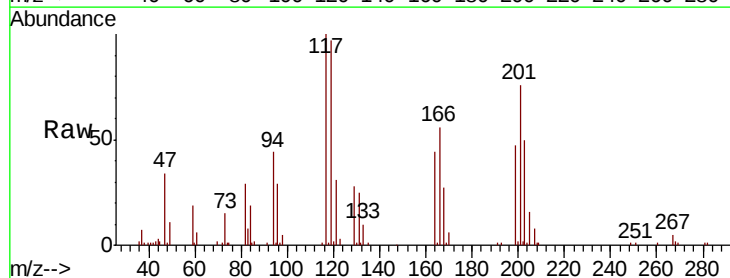
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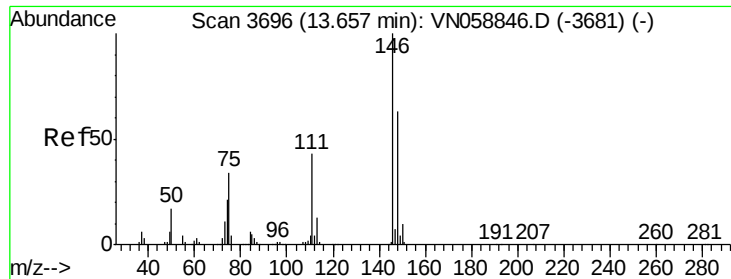
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#90
Hexachloroethane
Concen: 20.386 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN058928.D
Acq: 23 Oct 2019 14:40

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.9	38.9	116.6





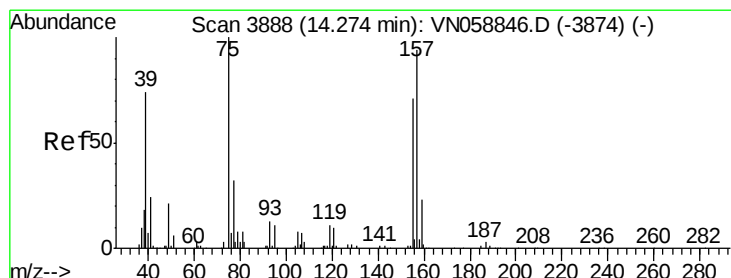
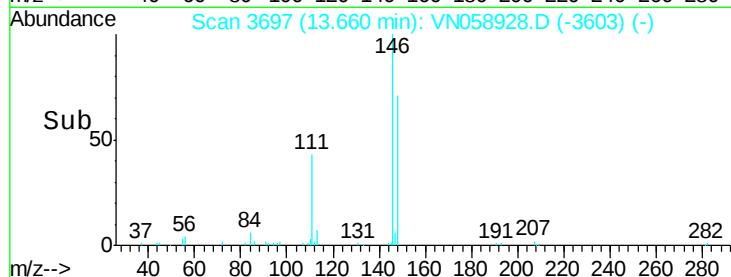
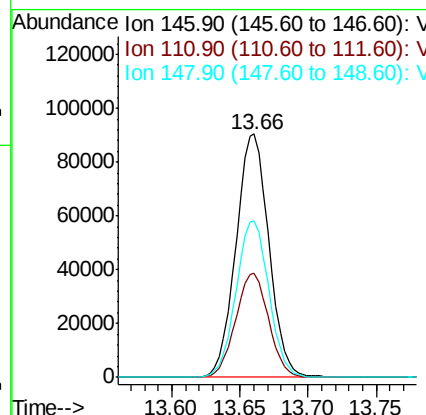
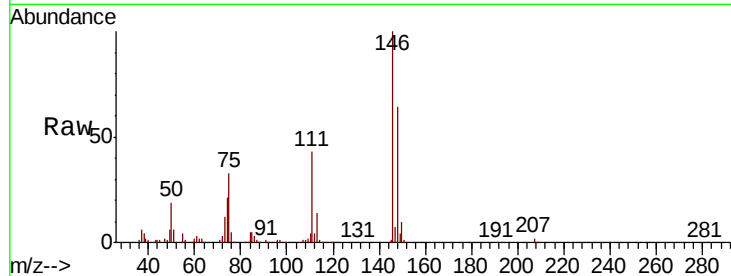
#91
 1,2-Dichlorobenzene
 Concen: 20.635 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058928.D
 Acq: 23 Oct 2019 14:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	151588		
111	43.0		21.6	64.8
148	64.0		31.9	95.9

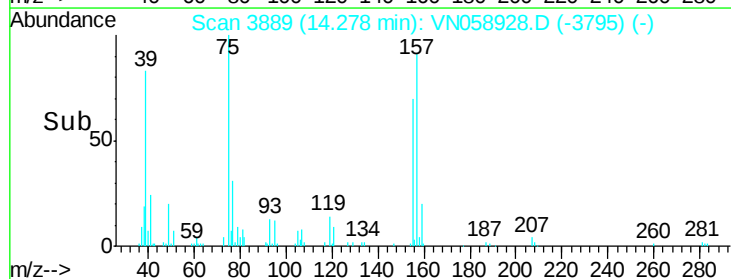
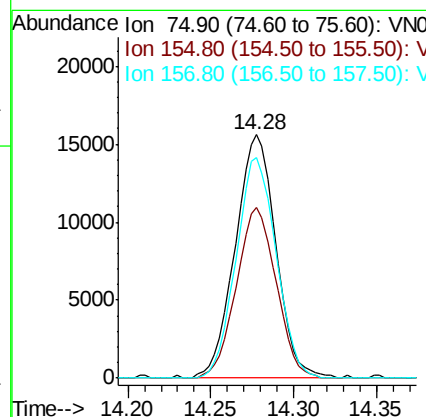
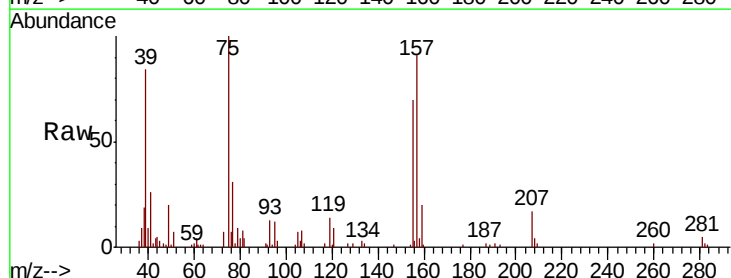
Manual Integrations
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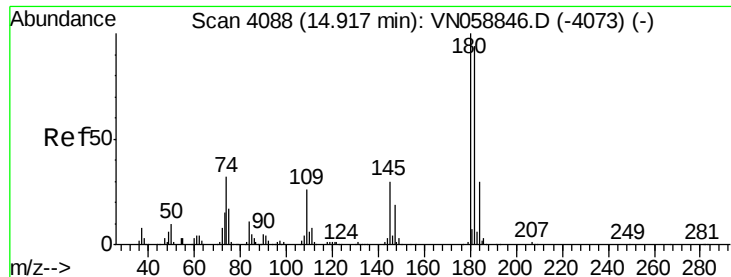
MMDadoda
 10/25/2019 2:44:23 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.749 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058928.D
 Acq: 23 Oct 2019 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	26636		
155	68.5		35.6	106.8
157	89.2		47.4	142.2





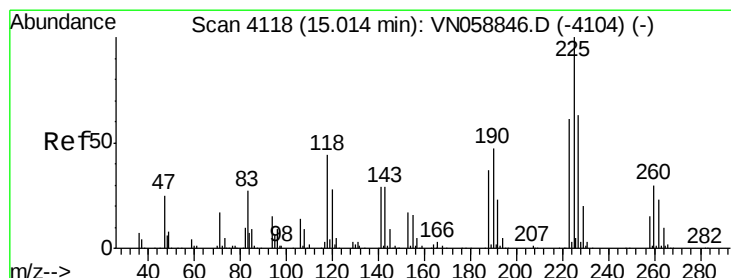
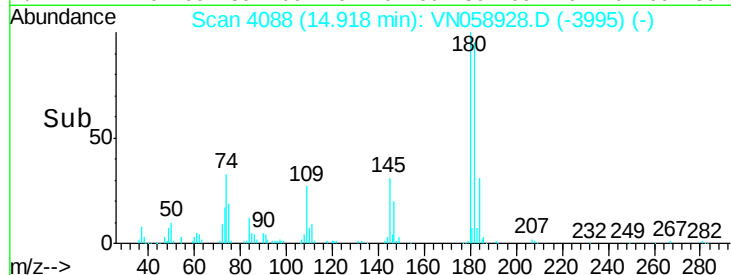
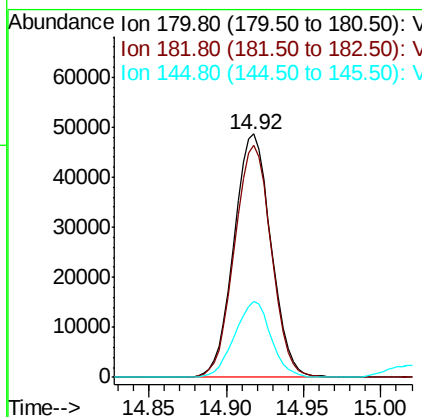
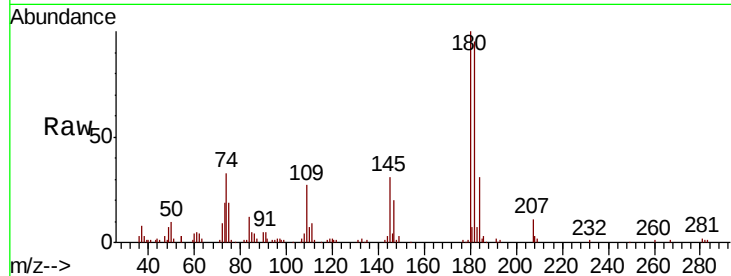
#93
 1,2,4-Trichlorobenzene
 Concen: 19.166 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058928.D
 Acq: 23 Oct 2019 14:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.3	142.0
145	30.5	15.3	45.8

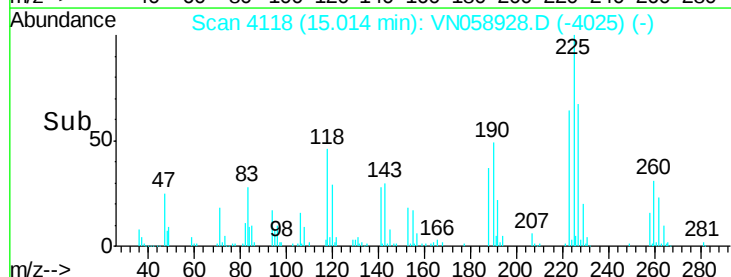
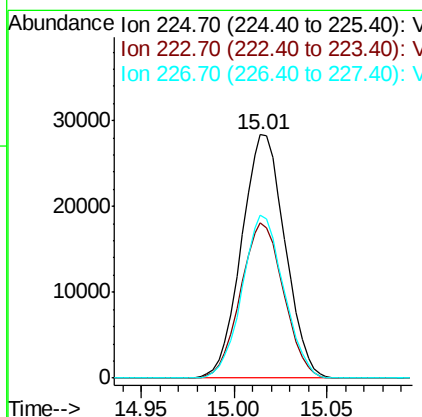
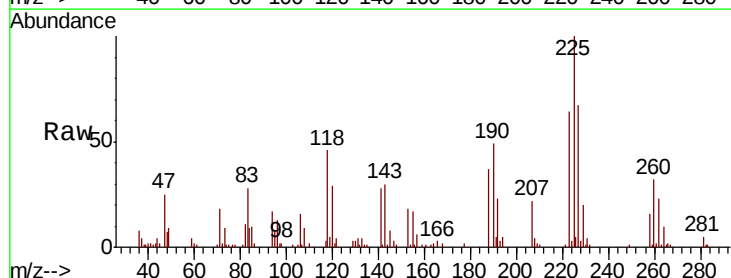
Manual Integrations
 APPROVED

MMDadoda
 10/25/2019 2:44:23 PM



#94
 Hexachlorobutadiene
 Concen: 19.354 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN058928.D
 Acq: 23 Oct 2019 14:40

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	30.9	92.5
227	64.0	31.6	94.7





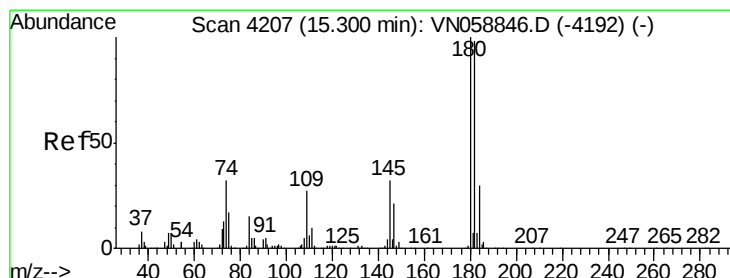
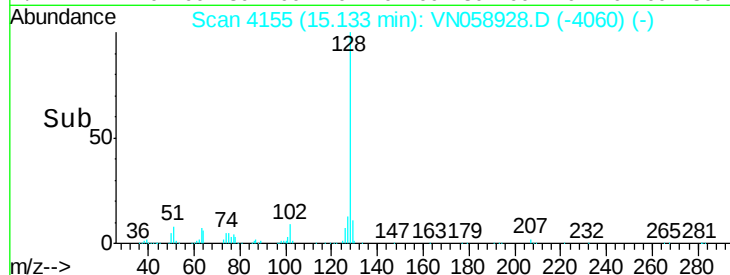
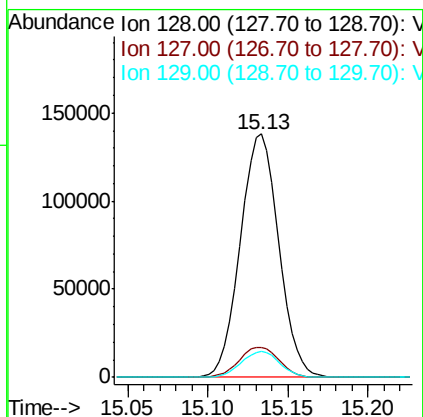
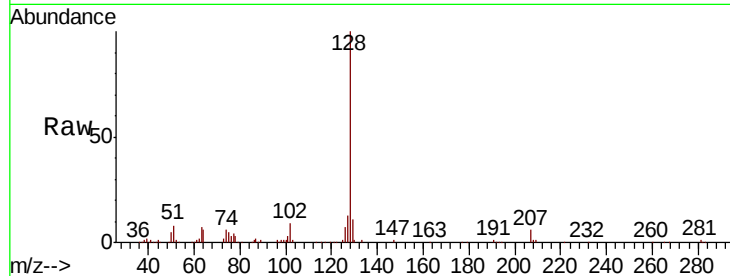
#95
Naphthalene
Concen: 18.508 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN058928.D
Acq: 23 Oct 2019 14:40

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	226503		
127	12.8		10.2	15.2
129	10.7		8.4	12.6

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 19.337 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN058928.D
Acq: 23 Oct 2019 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	80116		
182	98.2		47.9	143.7
145	32.9		15.9	47.7

