

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112718\
 Data File : VN052486.D
 Acq On : 27 Nov 2018 18:33
 Operator : MD\SY
 Sample : VN1127WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127WBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/28/2018 9:34:03 AM

Quant Time: Nov 28 06:52:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 28 01:11:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1051935	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1654872	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1439878	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	626282	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	587064	51.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.52%	
35) Dibromofluoromethane	7.59	113	526569	51.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.22%	
50) Toluene-d8	10.09	98	2015093	50.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.48%	
62) 4-Bromofluorobenzene	12.40	95	662899	49.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	190109	19.30	ug/l	97
3) Chloromethane	2.06	50	253820	19.52	ug/l	99
4) Vinyl Chloride	2.19	62	264411	19.80	ug/l	100
5) Bromomethane	2.58	94	156005	18.72	ug/l	99
6) Chloroethane	2.71	64	158663	19.61	ug/l	100
7) Trichlorofluoromethane	3.03	101	330897	20.17	ug/l	100
8) Diethyl Ether	3.41	74	124670	20.58	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	204134	19.94	ug/l	99
10) Methyl Iodide	3.96	142	274631	20.14	ug/l	99
11) Tert butyl alcohol	4.79	59	50956	88.87	ug/l #	92
12) 1,1-Dichloroethene	3.74	96	199600	20.26	ug/l	97
13) Acrolein	3.61	56	86845	108.26	ug/l	98
14) Allyl chloride	4.33	41	343127	20.20	ug/l	99
15) Acrylonitrile	4.99	53	349384	96.26	ug/l	99
16) Acetone	3.82	43	252086	83.44	ug/l	99
17) Carbon Disulfide	4.06	76	588189	18.97	ug/l	100
18) Methyl Acetate	4.33	43	167951	19.38	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	530444	20.23	ug/l	100
20) Methylene Chloride	4.55	84	227452	19.24	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	212146	20.16	ug/l	93
22) Diisopropyl ether	5.95	45	726897	20.38	ug/l	99
23) Vinyl Acetate	5.90	43	2205822	99.27	ug/l	100
24) 1,1-Dichloroethane	5.85	63	414541	20.35	ug/l	100
25) 2-Butanone	6.83	43	384167	89.72	ug/l	98
26) 2,2-Dichloropropane	6.83	77	268140	19.02	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	245287	20.01	ug/l	99
28) Bromochloromethane	7.19	49	180937	19.45	ug/l	97
29) Tetrahydrofuran	7.21	42	260667	94.38	ug/l	99
30) Chloroform	7.37	83	402207	19.79	ug/l	98
31) Cyclohexane	7.66	56	399844	20.06	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	324562	20.16	ug/l	99
36) 1,1-Dichloropropene	7.79	75	308785	19.76	ug/l	99
37) Ethyl Acetate	6.93	43	176628	18.52	ug/l	99
38) Carbon Tetrachloride	7.77	117	277178	19.59	ug/l	100

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	369628	19.46	ug/l	99
40) Benzene	8.04	78	939496	20.17	ug/l	100
41) Methacrylonitrile	7.17	41	93432	17.92	ug/l #	85
42) 1,2-Dichloroethane	8.12	62	280780	19.91	ug/l	99
43) Isopropyl Acetate	8.16	43	312293	19.35	ug/l #	88
44) Trichloroethene	8.84	130	238892	20.03	ug/l	97
45) 1,2-Dichloropropane	9.12	63	246184	19.88	ug/l	100
46) Dibromomethane	9.21	93	138032	20.14	ug/l	99
47) Bromodichloromethane	9.40	83	293101	19.67	ug/l	98
48) Methyl methacrylate	9.20	41	159692	18.98	ug/l	100
49) 1,4-Dioxane	9.20	88	33117	379.16	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	870821	96.16	ug/l	99
52) Toluene	10.16	92	565745	20.45	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	278488	19.42	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	342155	19.91	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	194076	19.94	ug/l	99
56) Ethyl methacrylate	10.43	69	238147	19.36	ug/l	100
57) 1,3-Dichloropropane	10.71	76	340987	19.84	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	672782	95.26	ug/l	100
59) 2-Hexanone	10.75	43	558246	91.85	ug/l	99
60) Dibromochloromethane	10.90	129	207021	19.58	ug/l	100
61) 1,2-Dibromoethane	11.01	107	189680	19.62	ug/l	100
64) Tetrachloroethene	10.63	164	225142	20.17	ug/l	99
65) Chlorobenzene	11.43	112	601314	20.25	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	206295	19.98	ug/l	99
67) Ethyl Benzene	11.51	91	1060364	20.39	ug/l	99
68) m/p-Xylenes	11.62	106	789844	40.81	ug/l	99
69) o-Xylene	11.95	106	386483	20.56	ug/l	99
70) Styrene	11.96	104	617092	20.61	ug/l	99
71) Bromoform	12.13	173	131217	19.20	ug/l #	100
73) Isopropylbenzene	12.25	105	1032214	21.01	ug/l	100
74) N-amyl acetate	12.07	43	239973	19.33	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	225859	20.21	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	188375m	19.51	ug/l	
77) Bromobenzene	12.53	156	250856	20.66	ug/l	98
78) n-propylbenzene	12.59	91	1155108	20.69	ug/l	99
79) 2-Chlorotoluene	12.68	91	692379	20.83	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	827893	21.13	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	52895	18.29	ug/l	95
82) 4-Chlorotoluene	12.77	91	680770	20.32	ug/l	99
83) tert-Butylbenzene	12.99	119	733900	21.01	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	824926	21.01	ug/l	99
85) sec-Butylbenzene	13.17	105	983366	20.67	ug/l	99
86) p-Isopropyltoluene	13.29	119	833067	20.55	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	428784	20.18	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	415977	19.88	ug/l	98
89) n-Butylbenzene	13.62	91	676094	20.06	ug/l	99
90) Hexachloroethane	13.88	117	135021	19.68	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	412084	20.30	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	29848	18.67	ug/l	97

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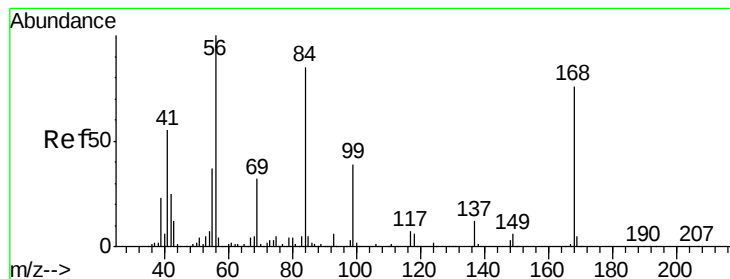
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	181316	18.21	ug/l	99
94) Hexachlorobutadiene	15.01	225	131623	20.16	ug/l	99
95) Naphthalene	15.14	128	359848	17.64	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	170605	18.51	ug/l	100

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



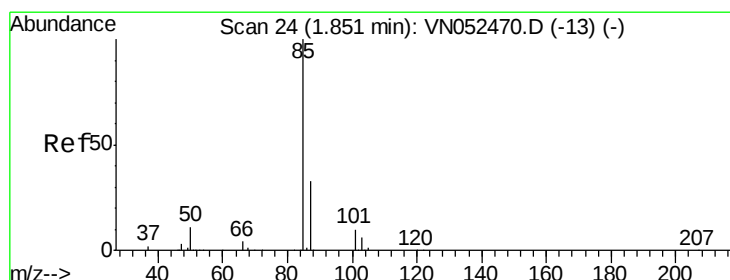
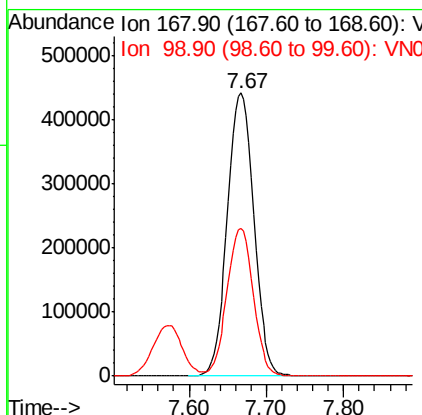
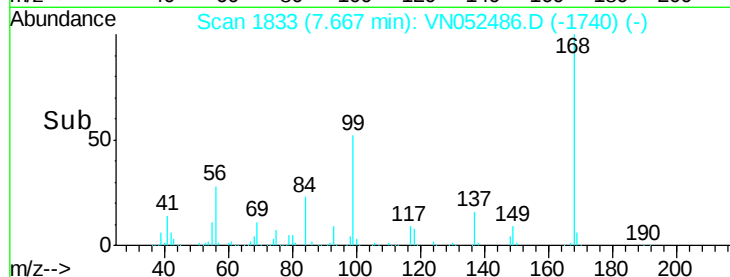
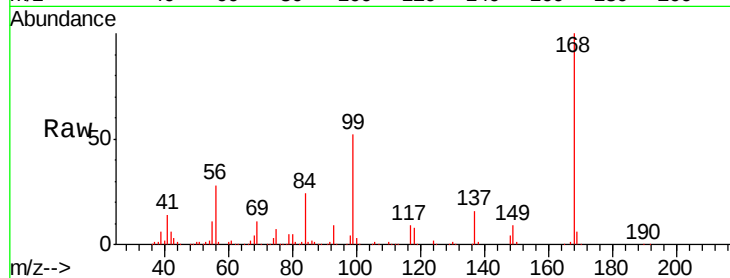
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VN052486.D
Acq: 27 Nov 2018 18:33

Instrument :
MSVOA_N
ClientSampleId :
VN1127WBSD01

Tgt Ion: 168 Resp: 1051935
Ion Ratio Lower Upper
168 100
99 52.2 41.7 62.5

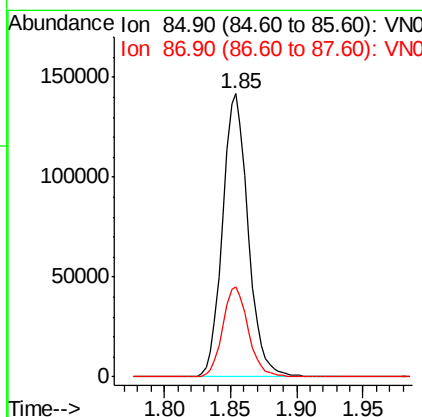
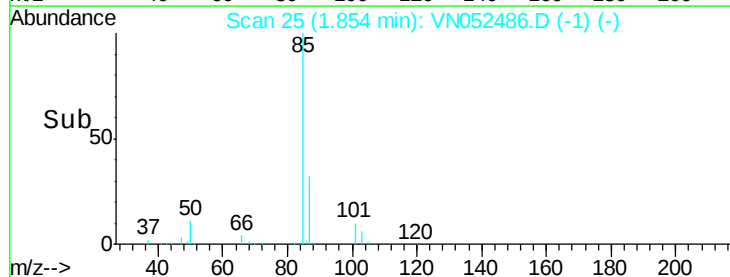
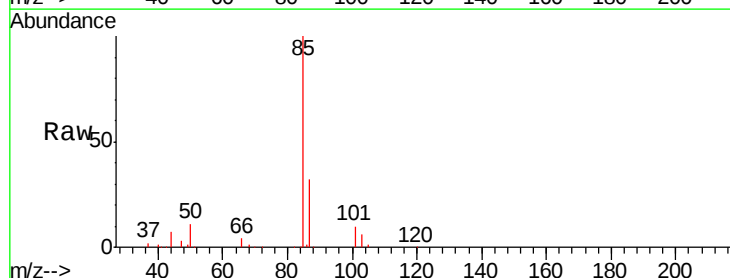
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#2
Dichlorodifluoromethane
Concen: 19.30 ug/l
RT: 1.85 min Scan# 25
Delta R.T. 0.00 min
Lab File: VN052486.D
Acq: 27 Nov 2018 18:33

Tgt Ion: 85 Resp: 190109
Ion Ratio Lower Upper
85 100
87 31.9 16.7 50.1





#3

Chloromethane

Concen: 19.52 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052486.D

Acq: 27 Nov 2018 18:33

Instrument :

MSVOA_N

ClientSampleId :

VN1127WBSD01

Tgt Ion: 50 Resp: 253820

Ion Ratio Lower Upper

50 100

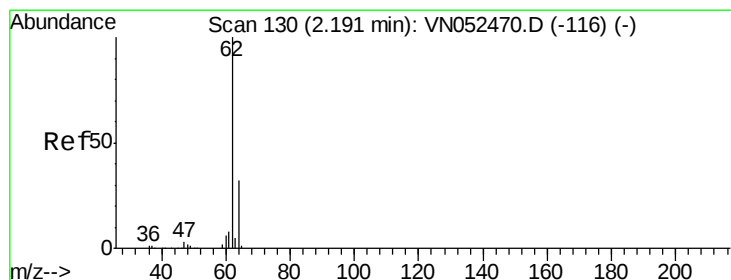
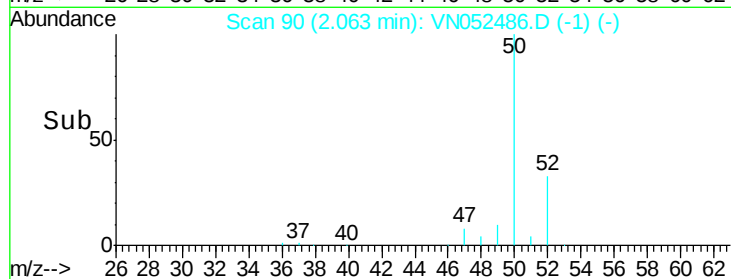
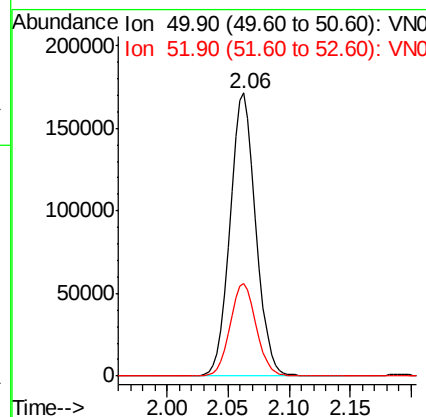
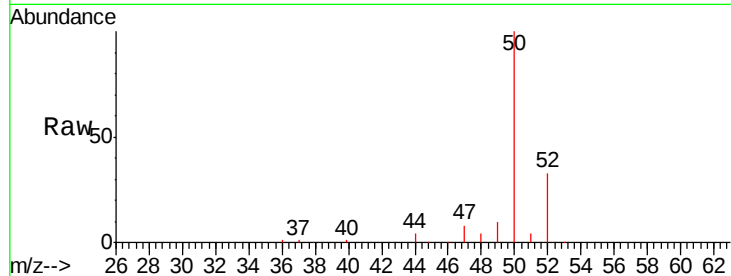
52 32.8 25.9 38.9

Manual Integrations

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11/28/2018 9:34:03 AM



#4

Vinyl Chloride

Concen: 19.80 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052486.D

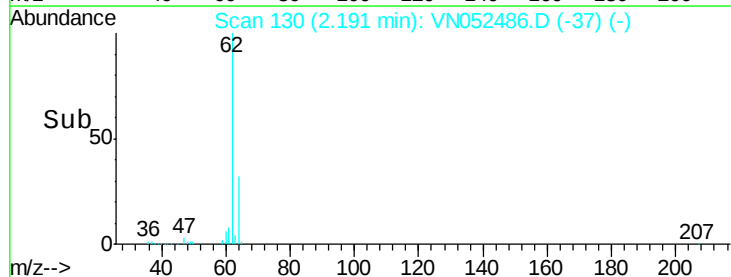
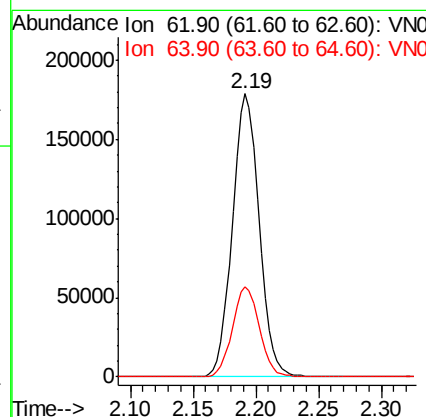
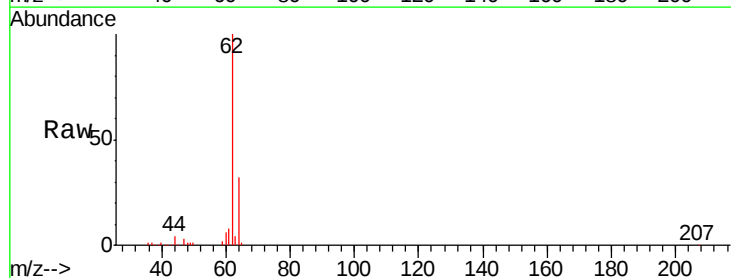
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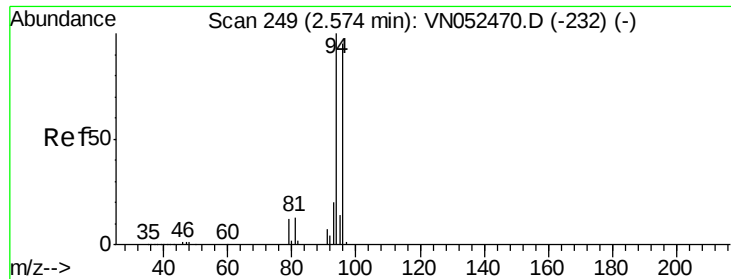
Tgt Ion: 62 Resp: 264411

Ion Ratio Lower Upper

62 100

64 31.9 25.4 38.2





#5

Bromomethane

Concen: 18.72 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052486.D

Acq: 27 Nov 2018 18:33

Instrument :

MSVOA_N

ClientSampleId :

VN1127WBSD01

Tgt Ion: 94 Resp: 156005

Ion Ratio Lower Upper

94 100

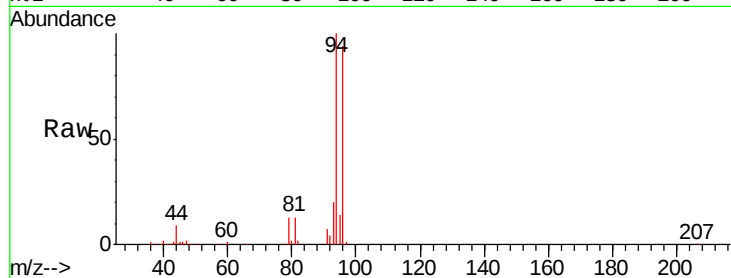
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Manual Integrations

APPROVED

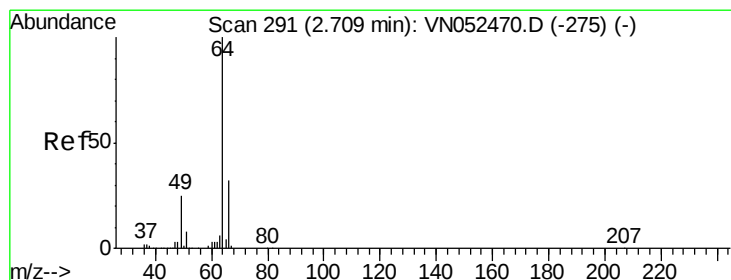
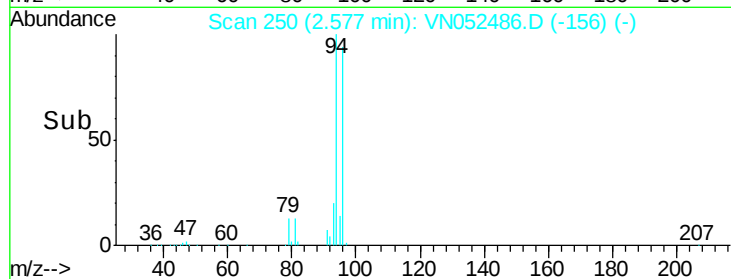
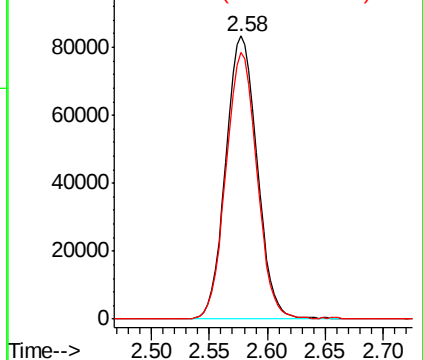
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.61 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052486.D

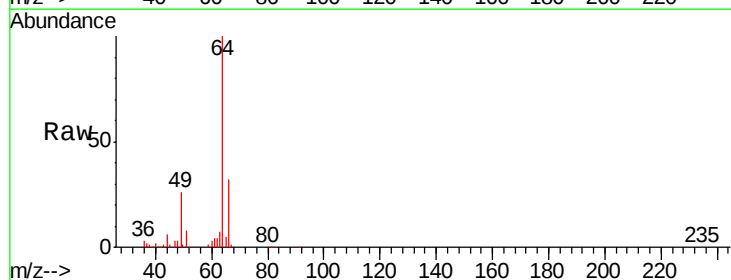
Acq: 27 Nov 2018 18:33

Tgt Ion: 64 Resp: 158663

Ion Ratio Lower Upper

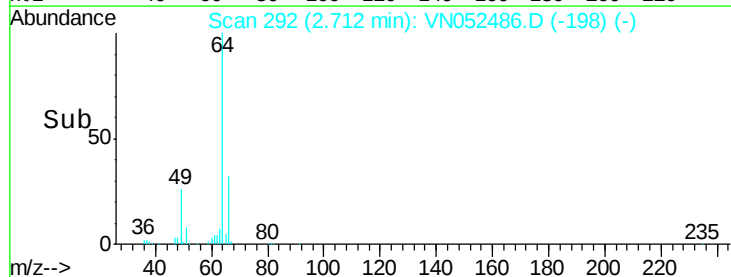
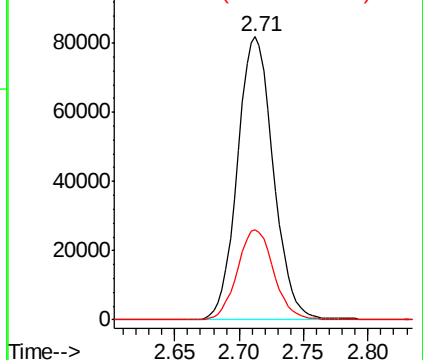
64 100

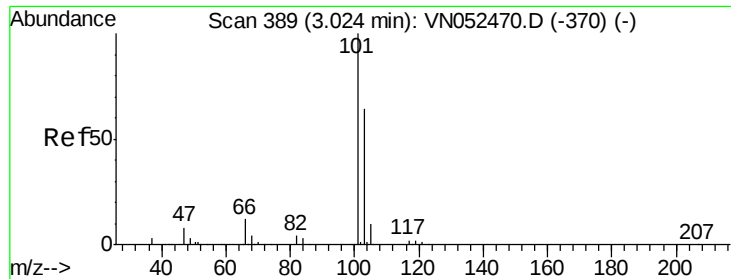
66 31.9 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

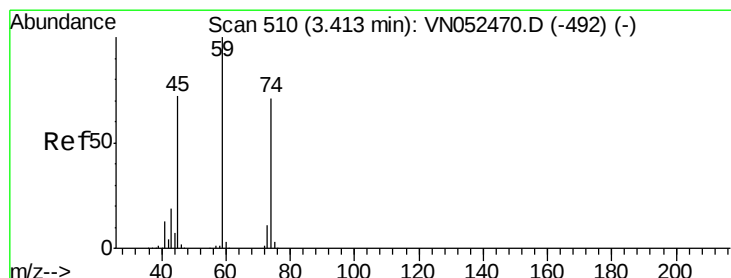
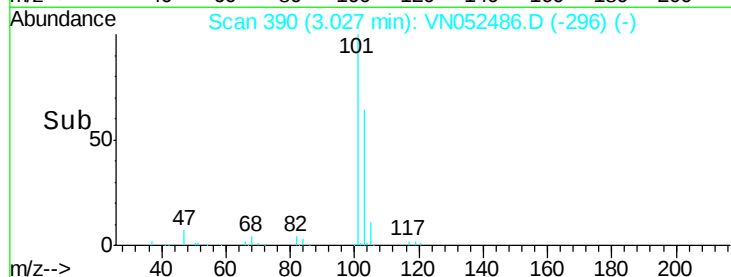
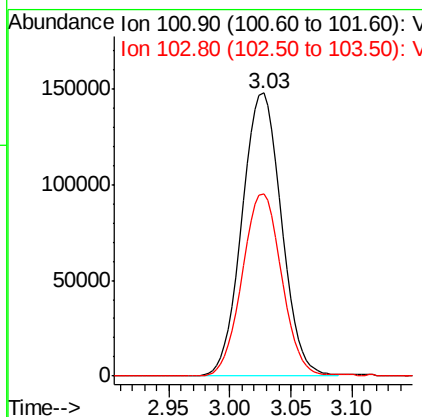
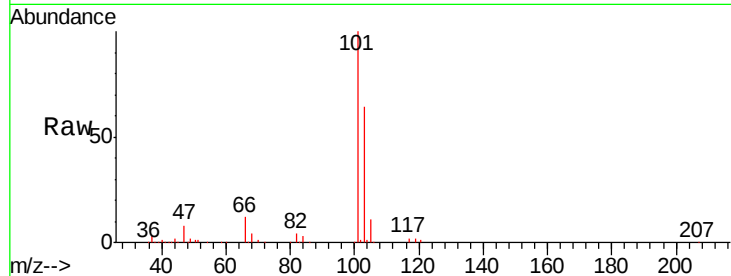
Trichlorofluoromethane
 Concen: 20.17 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN052486.D
 Acq: 27 Nov 2018 18:33

Instrument :
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 ClientSampleId :
 VN1127WBSD01

Tgt Ion	Ratio	Lower	Upper
101	100		
103	64.3	51.4	77.2

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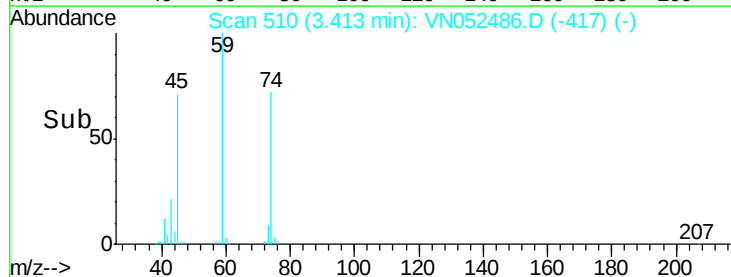
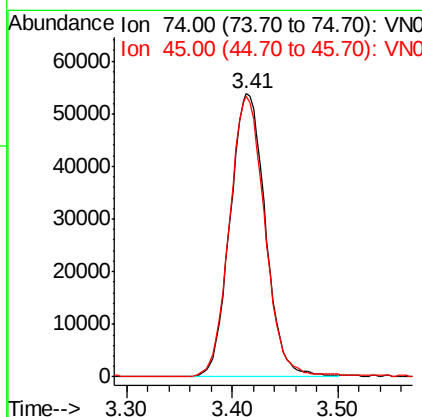
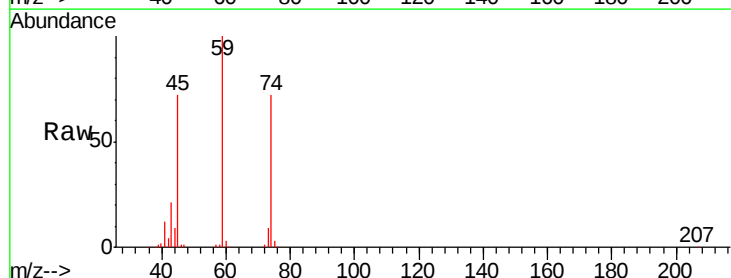
MMDadoda
 11/28/2018 9:34:03 AM

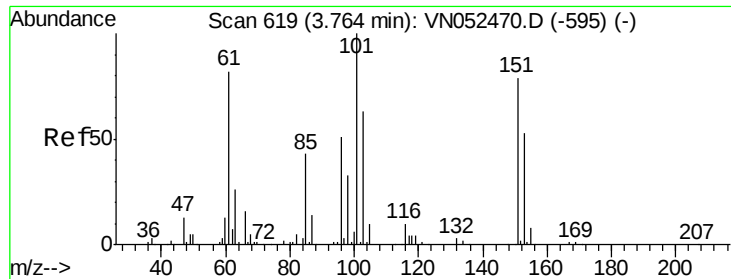


#8

Diethyl Ether
 Concen: 20.58 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN052486.D
 Acq: 27 Nov 2018 18:33

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.8	50.4	151.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.94 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN052486.D

Acq: 27 Nov 2018 18:33

Instrument :

MSVOA_N

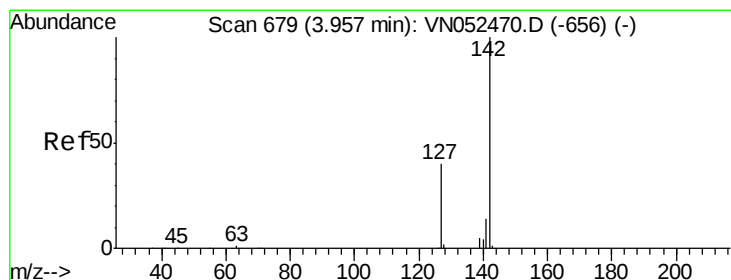
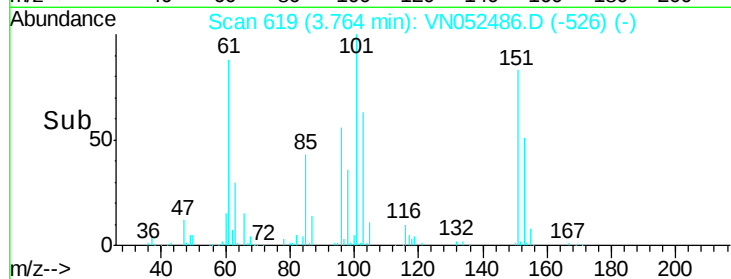
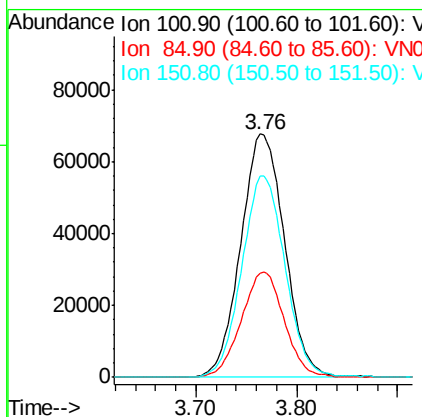
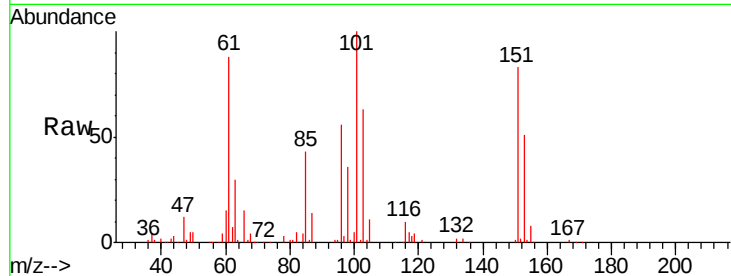
ClientSampleId :

VN1127WBSD01

Tgt Ion:	101	Resp:	204134
Ion Ratio	Lower	Upper	
101	100		
85	42.4	34.2	51.4
151	82.0	64.6	96.8

Manual Integrations
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#10

Methyl Iodide

Concen: 20.14 ug/l

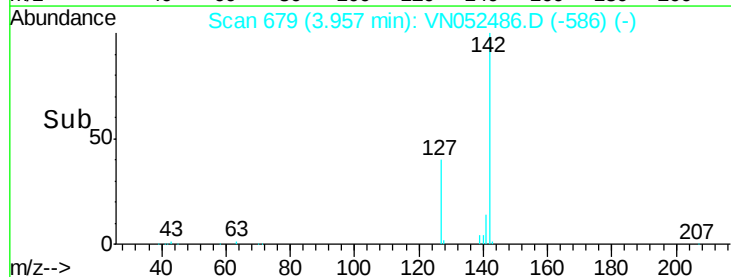
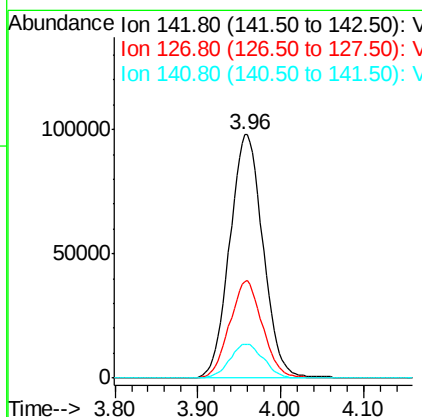
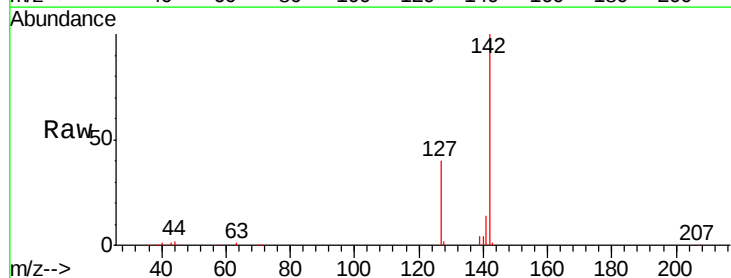
RT: 3.96 min Scan# 679

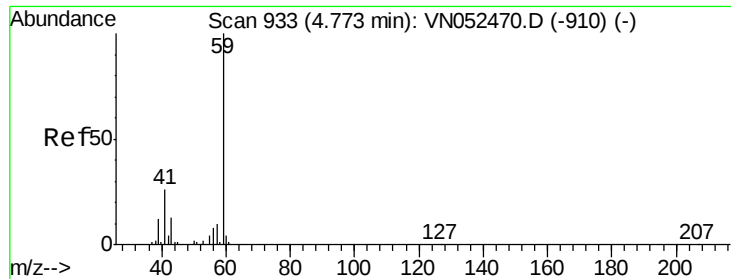
Delta R.T. 0.00 min

Lab File: VN052486.D

Acq: 27 Nov 2018 18:33

Tgt Ion:	142	Resp:	274631
Ion Ratio	Lower	Upper	
142	100		
127	39.3	31.8	47.6
141	14.0	11.4	17.0





#11

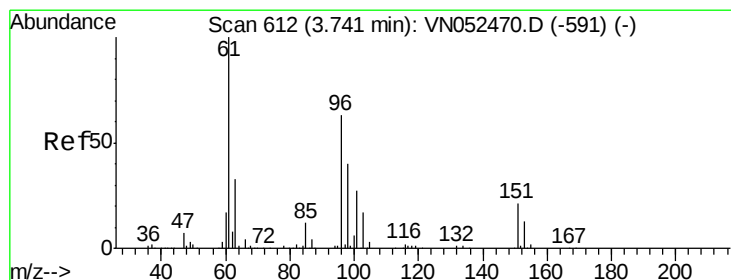
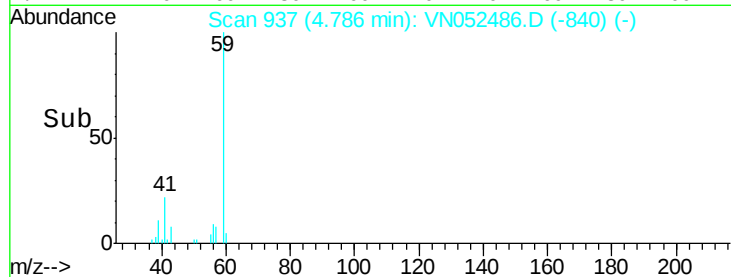
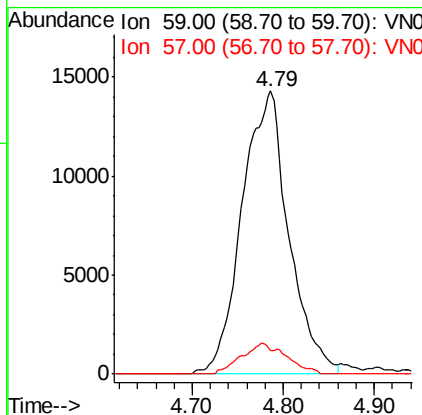
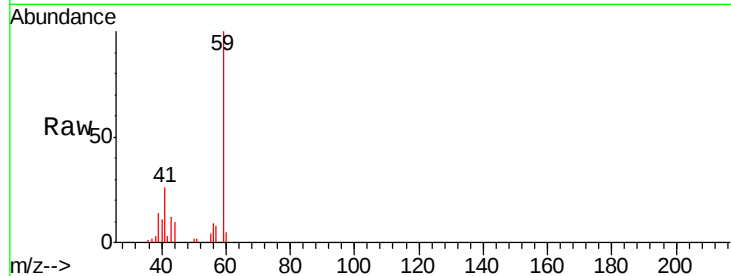
Tert butyl alcohol
Concen: 88.87 ug/l
RT: 4.79 min Scan# 937
Delta R.T. 0.01 min
Lab File: VN052486.D
Acq: 27 Nov 2018 18:33

Instrument :
MSVOA_N
ClientSampleId :
VN1127WBSD01

Tgt Ion	Ratio	Lower	Upper
59	100		
57	7.0	7.9	11.9#

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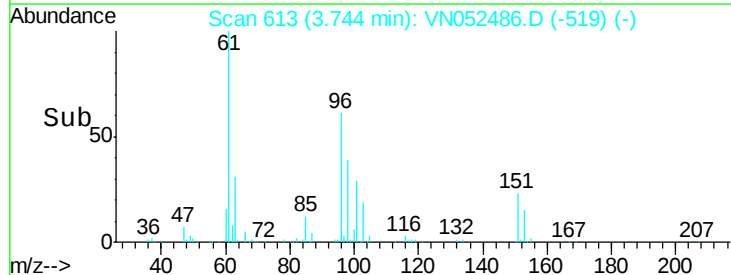
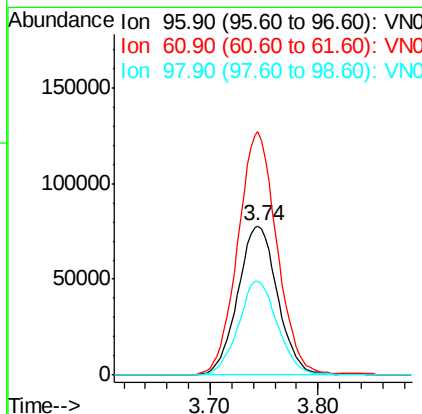
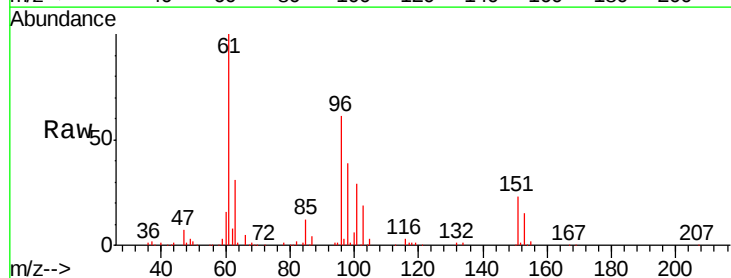
MMDadoda
11/28/2018 9:34:03 AM

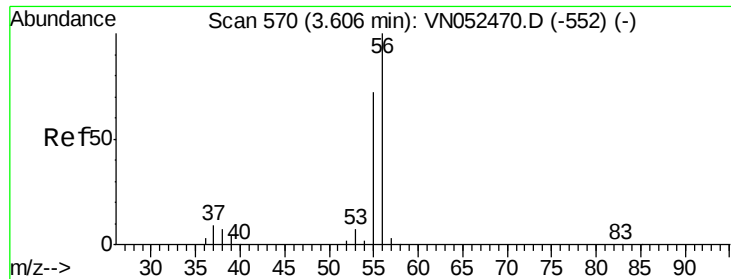


#12

1,1-Dichloroethene
Concen: 20.26 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.00 min
Lab File: VN052486.D
Acq: 27 Nov 2018 18:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.5	127.0	190.6
98	63.3	50.3	75.5





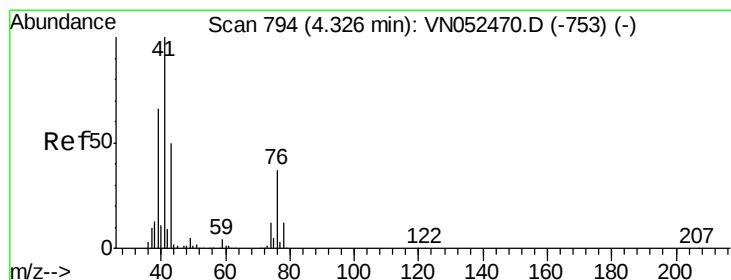
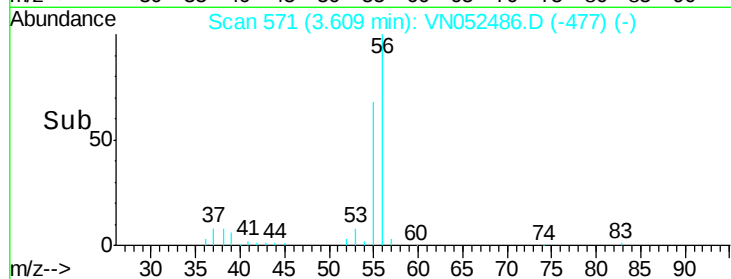
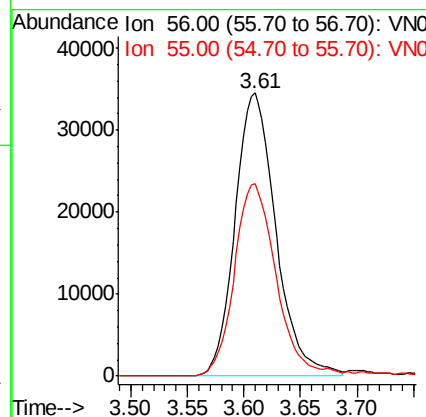
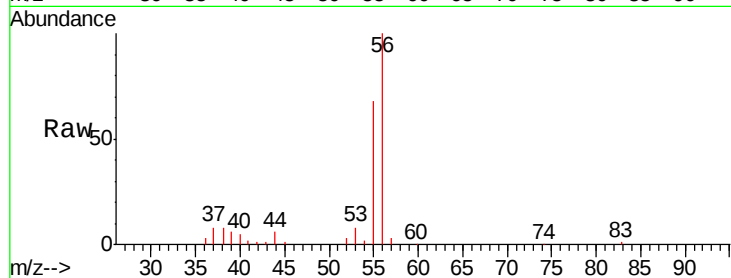
#13
Acrolein
Concen: 108.26 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN052486.D
Acq: 27 Nov 2018 18:33

Instrument :
MSVOA_N
ClientSampleId :
VN1127WBSD01

Tgt Ion	Ratio	Lower	Upper
56	100		
55	69.7	56.8	85.2

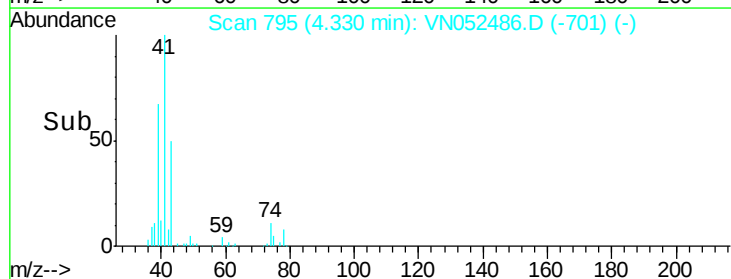
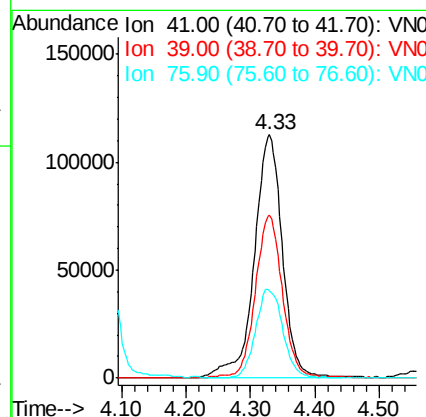
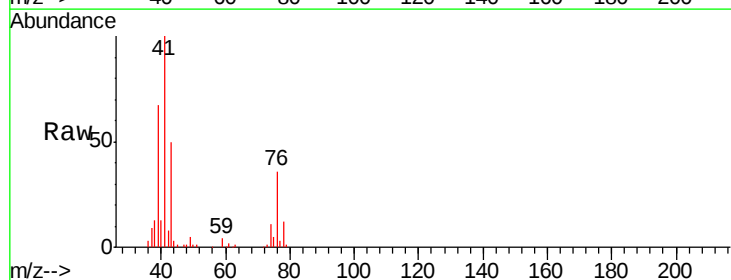
Manual Integrations
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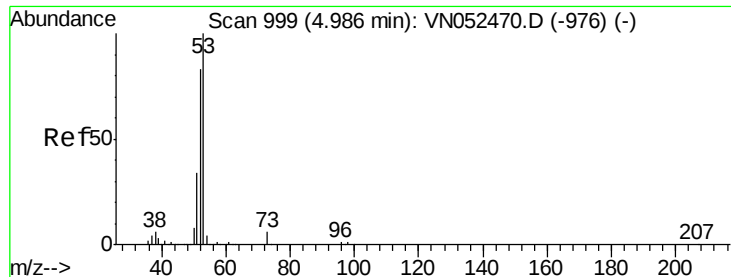
MMDadoda
11/28/2018 9:34:03 AM



#14
Allyl chloride
Concen: 20.20 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052486.D
Acq: 27 Nov 2018 18:33

Tgt Ion	Ratio	Lower	Upper
41	100		
39	64.4	50.6	76.0
76	34.8	27.4	41.2





#15

Acrylonitrile

Concen: 96.26 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052486.D

Acq: 27 Nov 2018 18:33

Instrument :

MSVOA_N

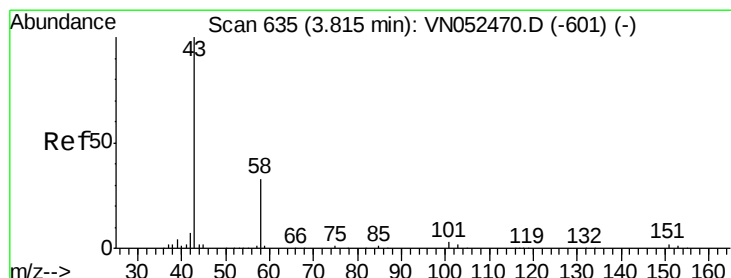
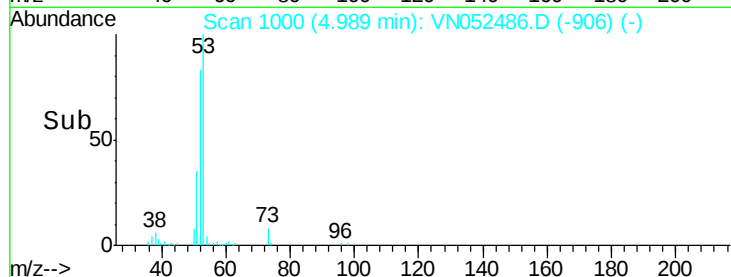
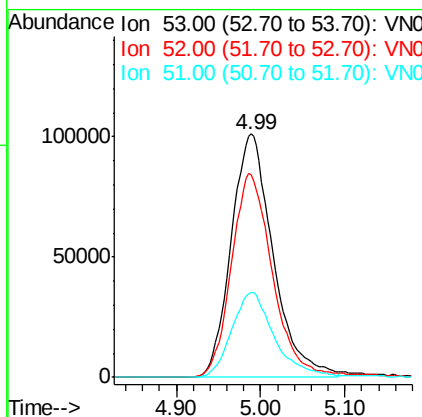
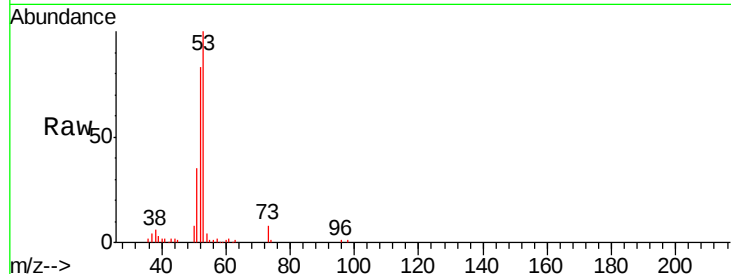
ClientSampleId :

VN1127WBSD01

Tgt Ion:	53	Resp:	349384
Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.2	99.2
51	35.7	28.1	42.1

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#16

Acetone

Concen: 83.44 ug/l

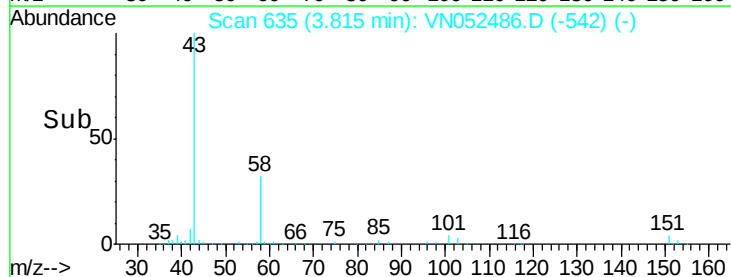
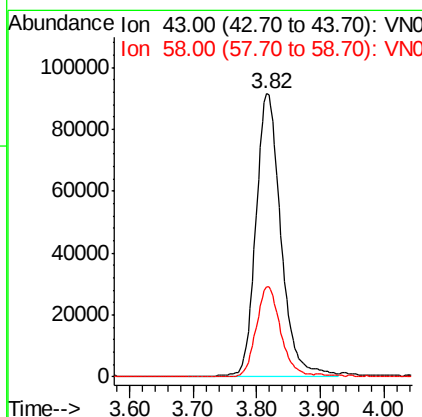
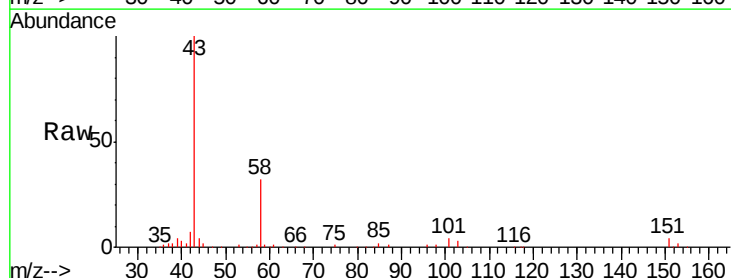
RT: 3.82 min Scan# 635

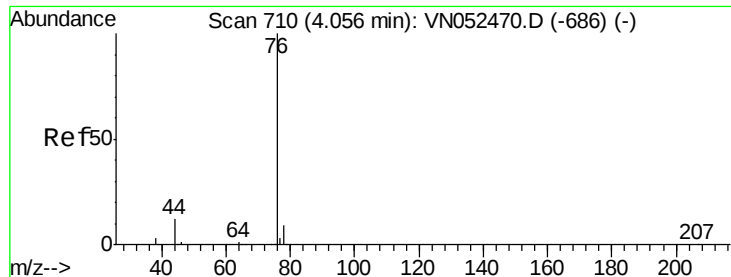
Delta R.T. 0.00 min

Lab File: VN052486.D

Acq: 27 Nov 2018 18:33

Tgt Ion:	43	Resp:	252086
Ion	Ratio	Lower	Upper
43	100		
58	31.8	26.0	39.0





#17

Carbon Disulfide

Concen: 18.97 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052486.D

Acq: 27 Nov 2018 18:33

Instrument :

MSVOA_N

ClientSampleId :

VN1127WBSD01

Tgt Ion: 76 Resp: 588189

Ion Ratio Lower Upper

76 100

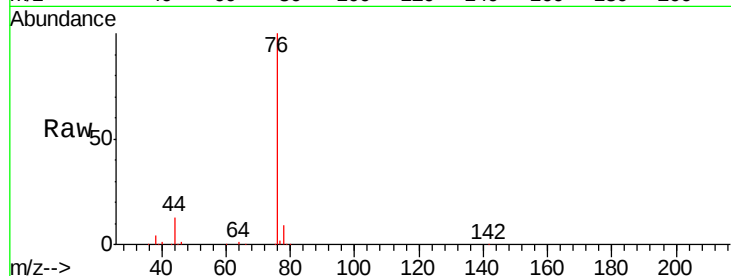
78 9.3 7.4 11.0

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

250000

200000

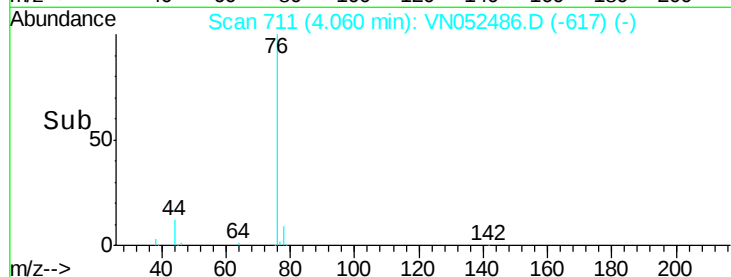
150000

100000

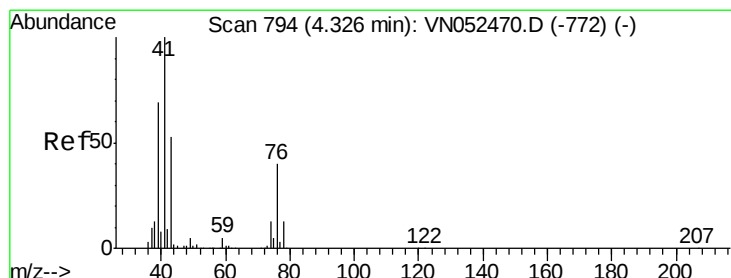
50000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 19.38 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052486.D

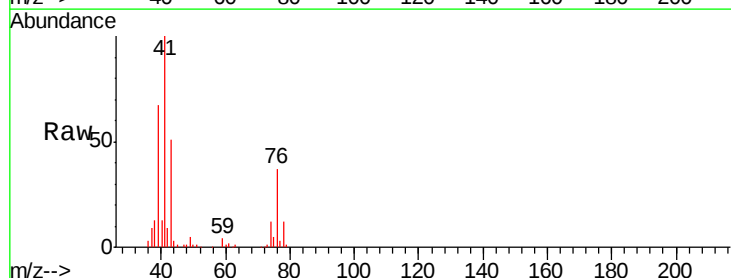
Acq: 27 Nov 2018 18:33

Tgt Ion: 43 Resp: 167951

Ion Ratio Lower Upper

43 100

74 22.4 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

60000

50000

40000

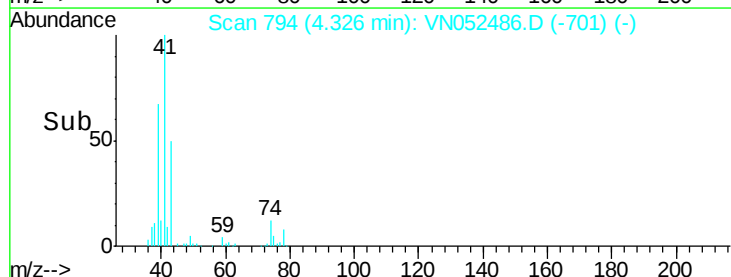
30000

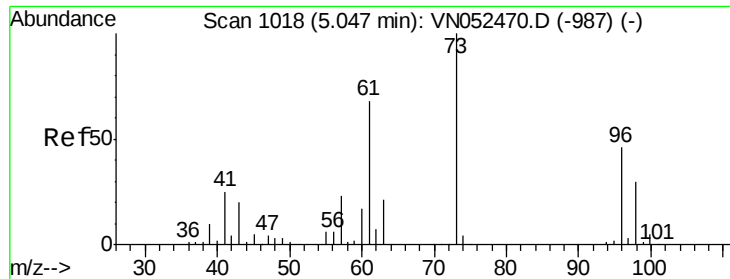
20000

10000

0

Time-->





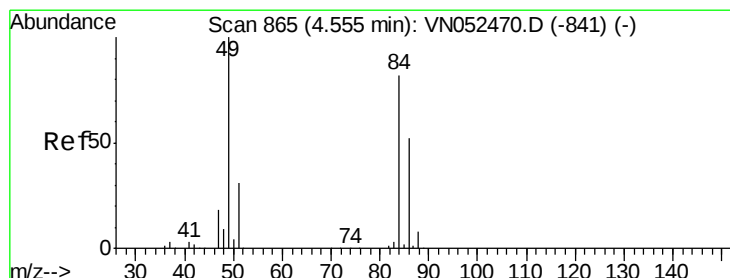
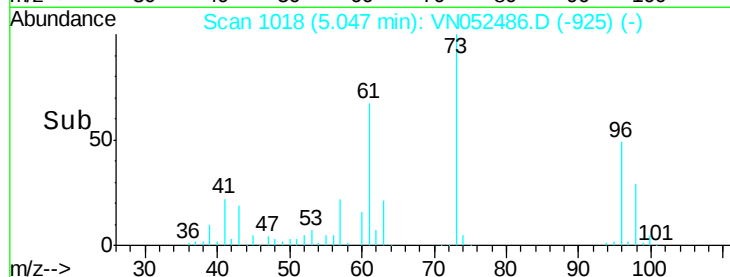
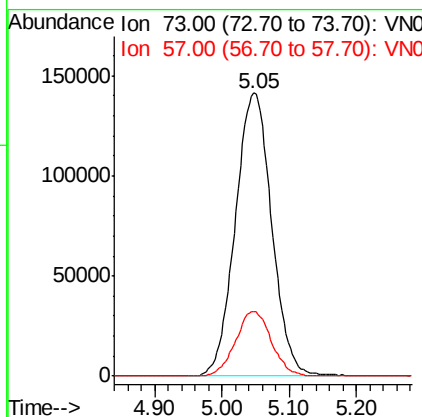
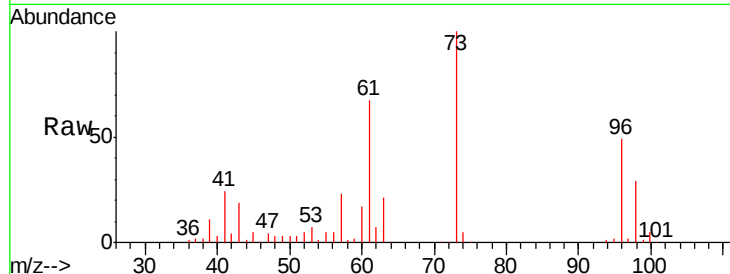
#19
Methyl tert-butyl Ether
Concen: 20.23 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052486.D
Acq: 27 Nov 2018 18:33

Instrument :
MSVOA_N
ClientSampleId :
VN1127WBSD01

Tgt Ion: 73 Resp: 530444
Ion Ratio Lower Upper
73 100
57 22.9 18.2 27.2

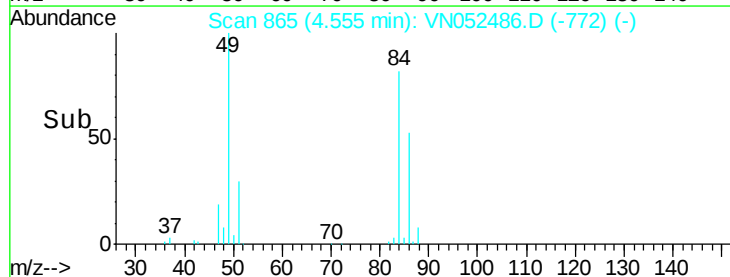
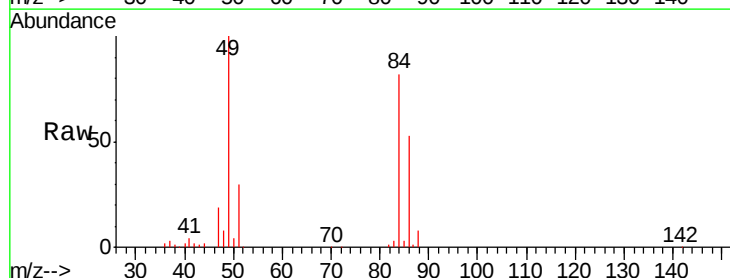
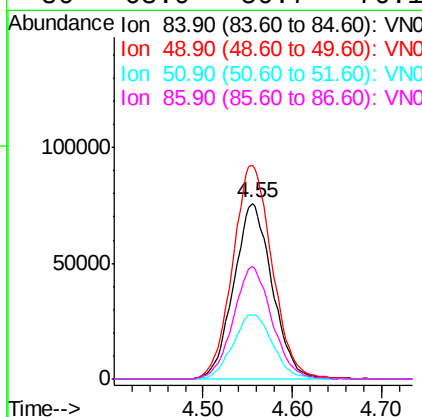
Manual Integrations
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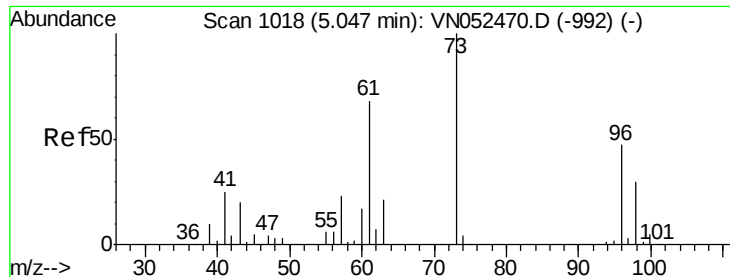
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#20
Methylene Chloride
Concen: 19.24 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052486.D
Acq: 27 Nov 2018 18:33

Tgt Ion: 84 Resp: 227452
Ion Ratio Lower Upper
84 100
49 121.5 98.0 147.0
51 36.5 30.1 45.1
86 63.9 50.7 76.1





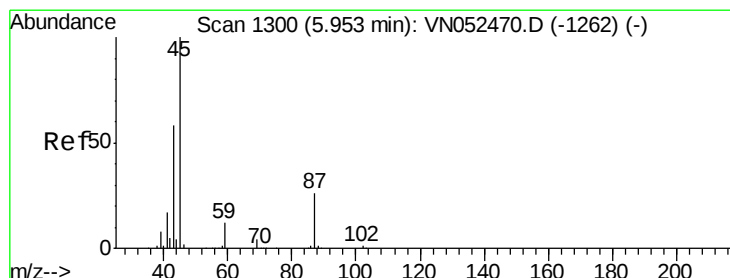
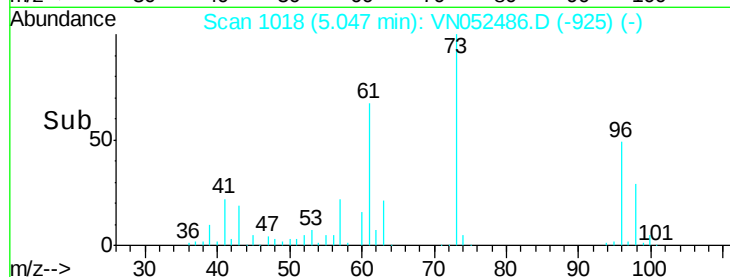
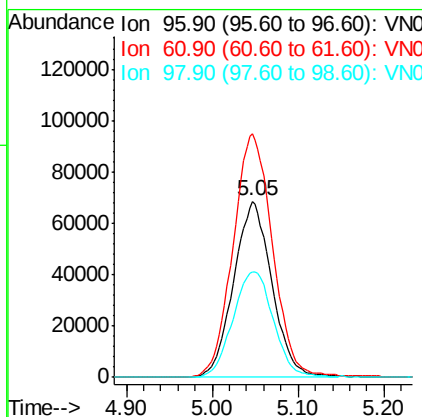
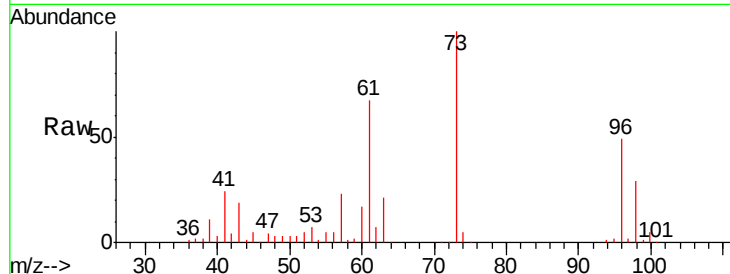
#21
trans-1,2-Dichloroethene
Concen: 20.16 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052486.D
Acq: 27 Nov 2018 18:33

Instrument :
MSVOA_N
ClientSampleId :
VN1127WBSD01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	137.8	117.0	175.4
98	59.9	51.8	77.6

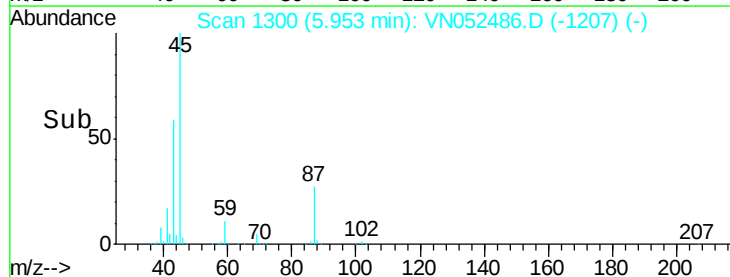
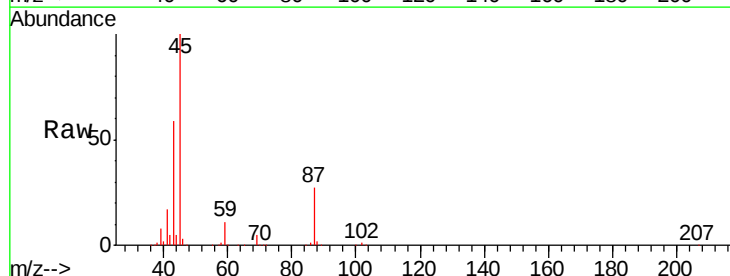
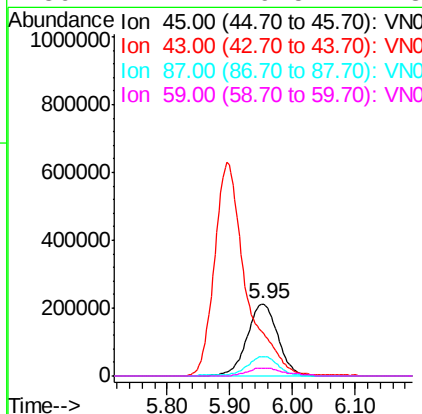
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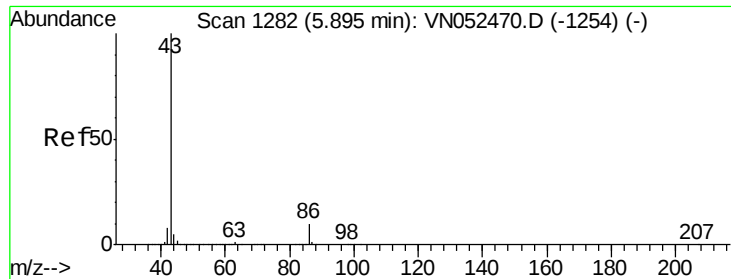
MMDadoda
11/28/2018 9:34:03 AM



#22
Diisopropyl ether
Concen: 20.38 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN052486.D
Acq: 27 Nov 2018 18:33

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.1	46.1	69.1
87	27.2	21.3	31.9
59	11.4	9.5	14.3





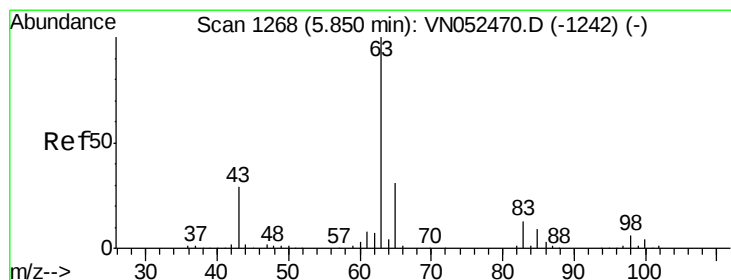
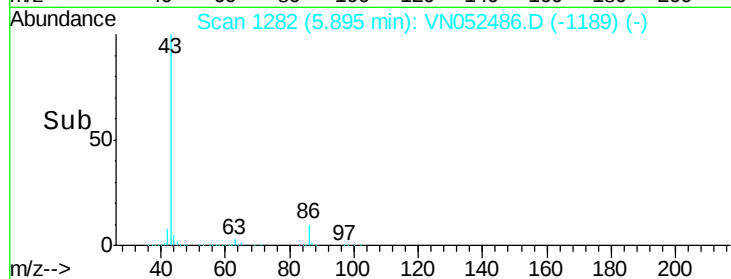
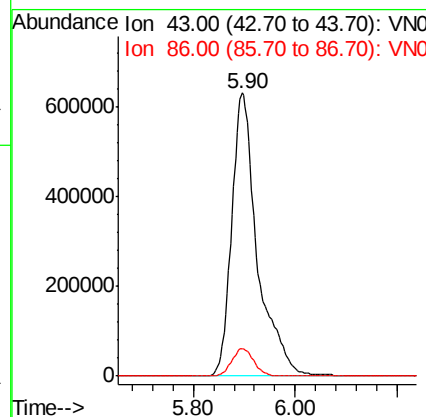
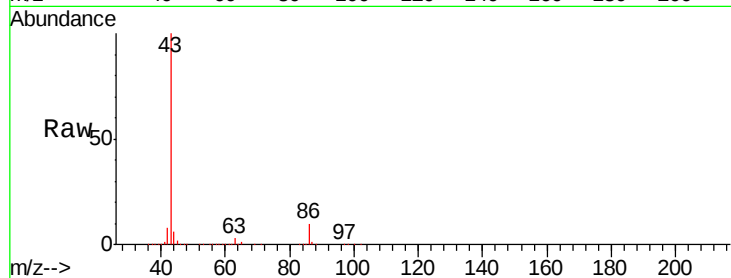
#23
 Vinyl Acetate
 Concen: 99.27 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN052486.D
 Acq: 27 Nov 2018 18:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127WBSD01

Tgt Ion: 43 Resp: 2205822
 Ion Ratio Lower Upper
 43 100
 86 9.7 7.8 11.8

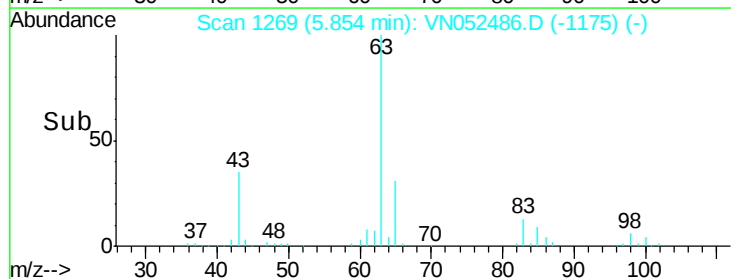
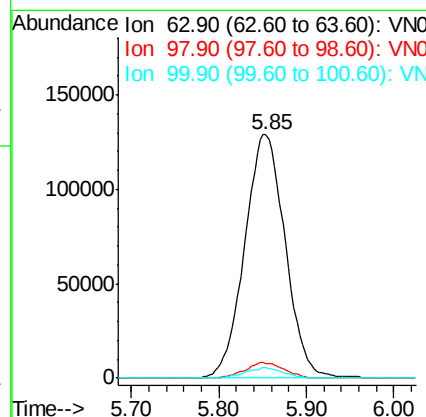
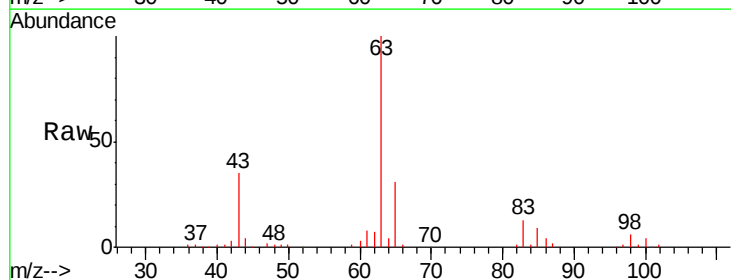
Manual Integrations
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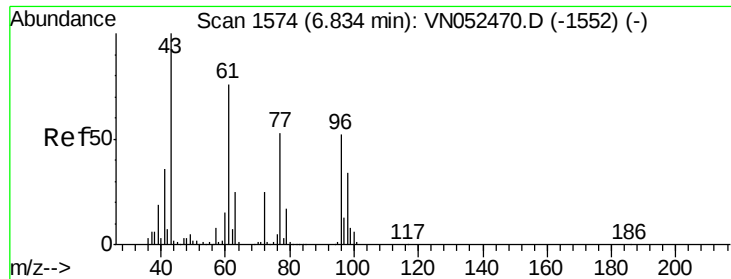
MMDadoda
 11/28/2018 9:34:03 AM



#24
 1,1-Dichloroethane
 Concen: 20.35 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN052486.D
 Acq: 27 Nov 2018 18:33

Tgt Ion: 63 Resp: 414541
 Ion Ratio Lower Upper
 63 100
 98 6.0 3.0 9.2
 100 4.1 2.0 5.8





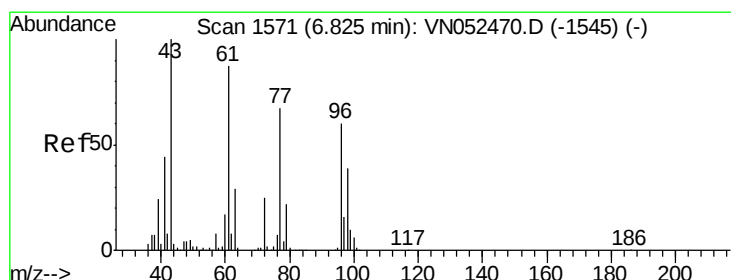
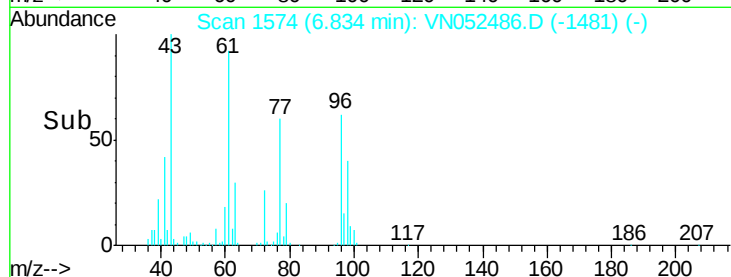
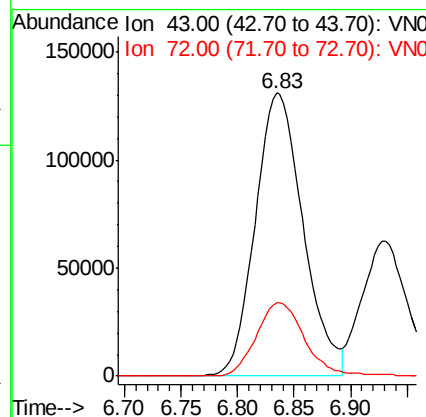
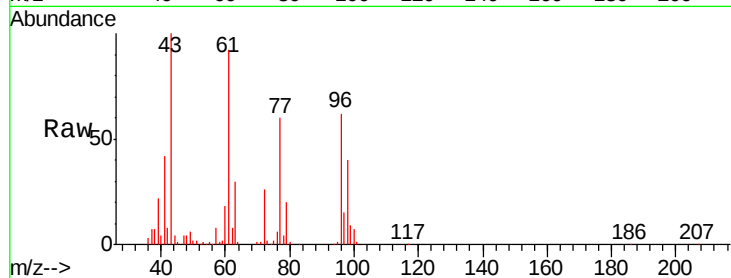
#25
2-Butanone
Concen: 89.72 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN052486.D
Acq: 27 Nov 2018 18:33

Instrument :
MSVOA_N
ClientSampleId :
VN1127WBSD01

Tgt Ion: 43 Resp: 384167
Ion Ratio Lower Upper
43 100
72 26.1 20.1 30.1

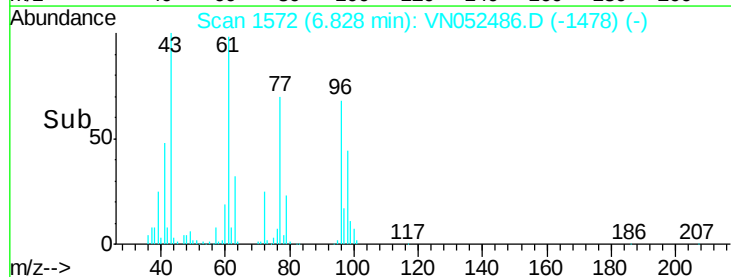
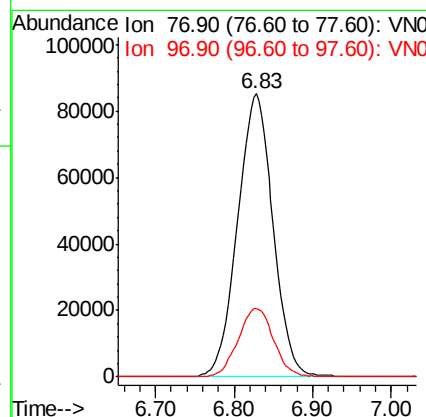
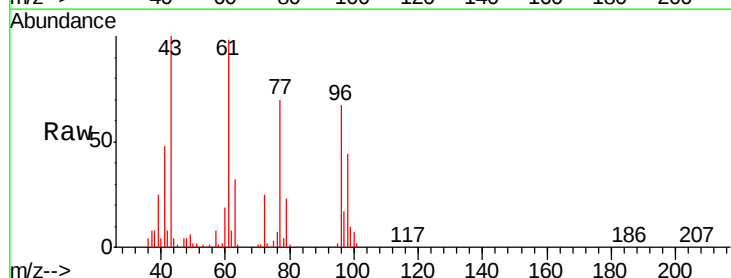
Manual Integrations
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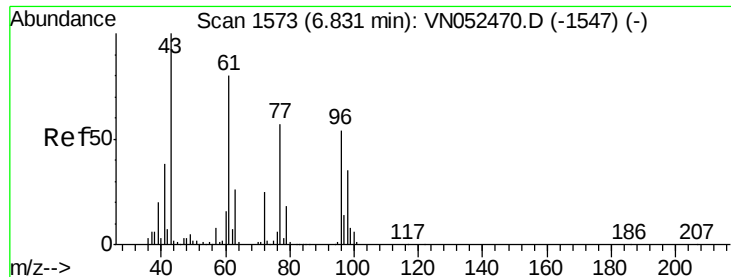
MMDadoda
11/28/2018 9:34:03 AM



#26
2,2-Dichloropropane
Concen: 19.02 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN052486.D
Acq: 27 Nov 2018 18:33

Tgt Ion: 77 Resp: 268140
Ion Ratio Lower Upper
77 100
97 24.3 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 20.01 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052486.D

Acq: 27 Nov 2018 18:33

Instrument :

MSVOA_N

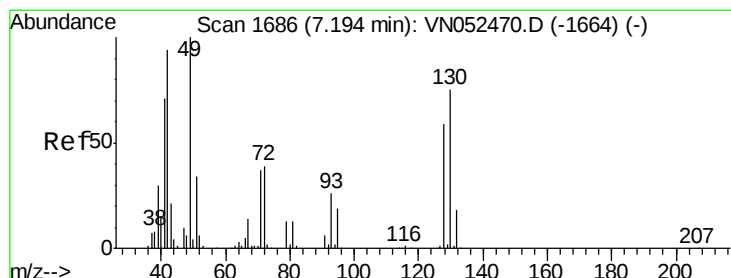
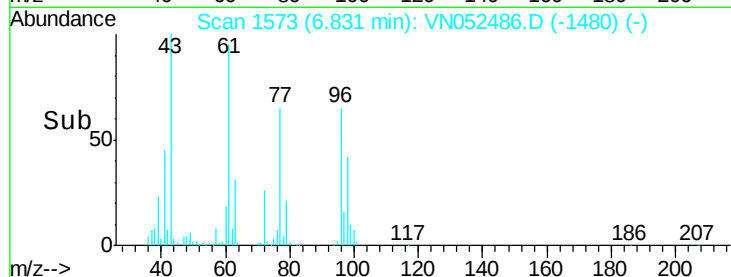
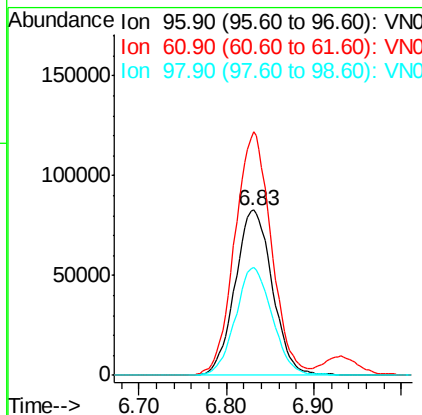
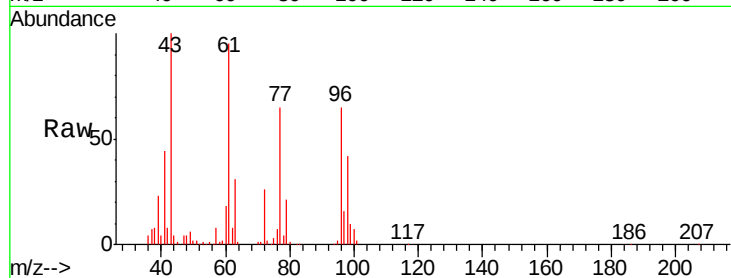
ClientSampleId :

VN1127WBSD01

Tgt Ion:	96	Resp:	245287
Ion Ratio	Lower	Upper	
96	100		
61	144.3	0.0	291.0
98	64.1	0.0	130.0

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#28

Bromochloromethane

Concen: 19.45 ug/l

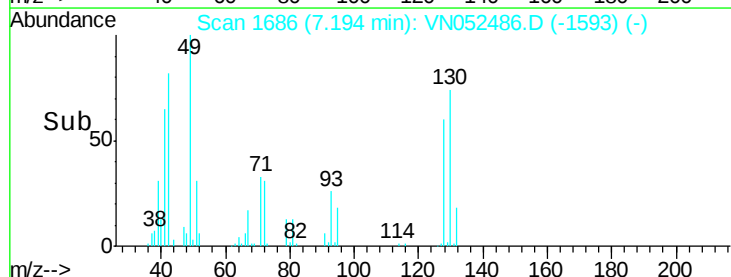
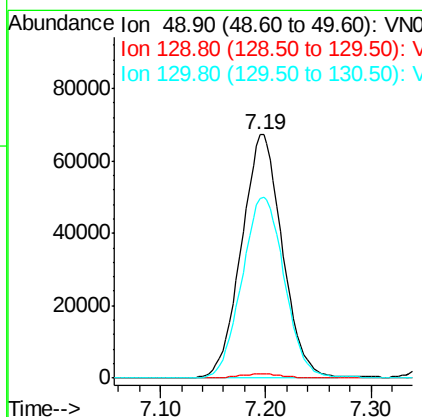
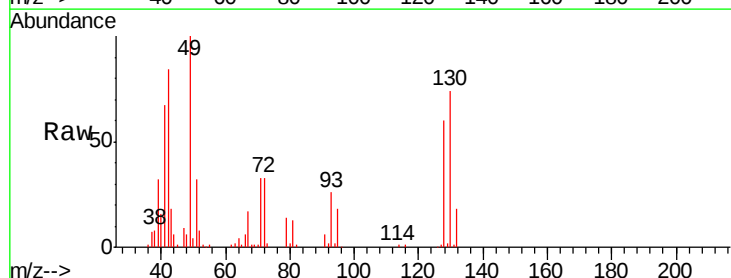
RT: 7.19 min Scan# 1686

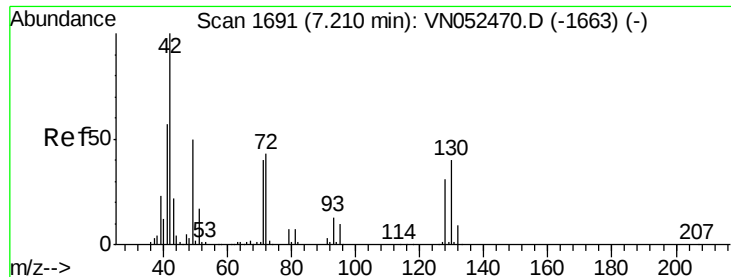
Delta R.T. 0.00 min

Lab File: VN052486.D

Acq: 27 Nov 2018 18:33

Tgt Ion:	49	Resp:	180937
Ion Ratio	Lower	Upper	
49	100		
129	1.8	0.0	3.8
130	77.5	60.2	90.2





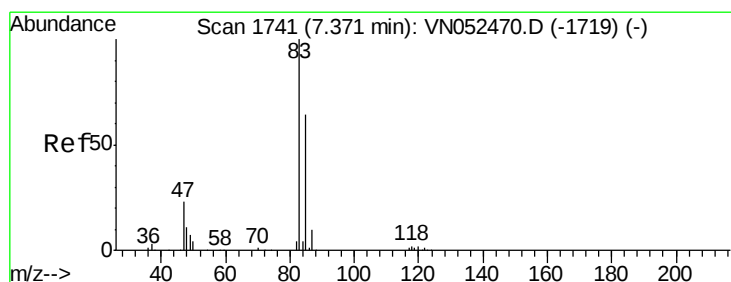
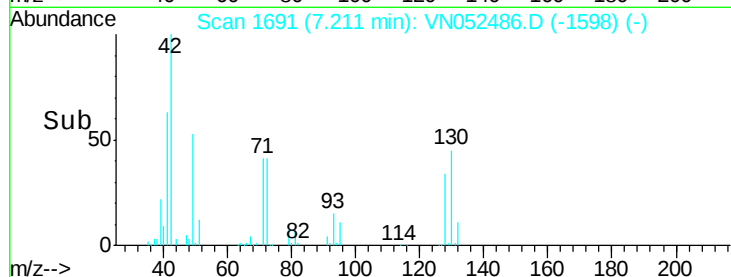
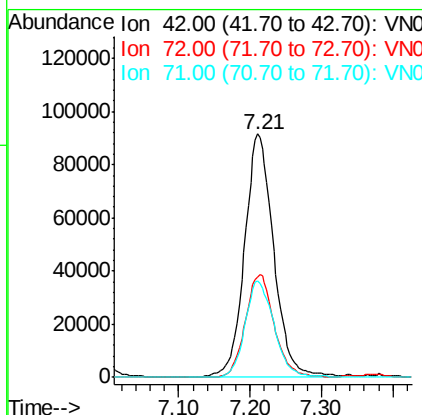
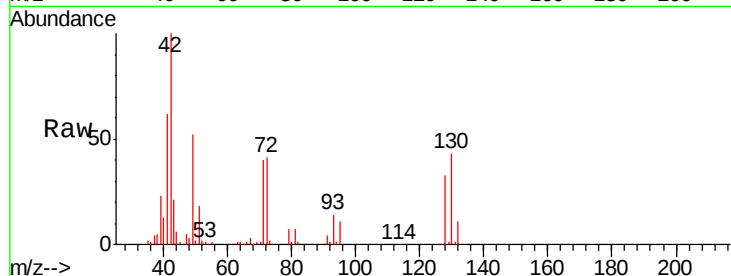
#29
Tetrahydrofuran
Concen: 94.38 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN052486.D
Acq: 27 Nov 2018 18:33

Instrument :
MSVOA_N
ClientSampleId :
VN1127WBSD01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	41.7	33.3	49.9
71	39.0	32.0	48.0

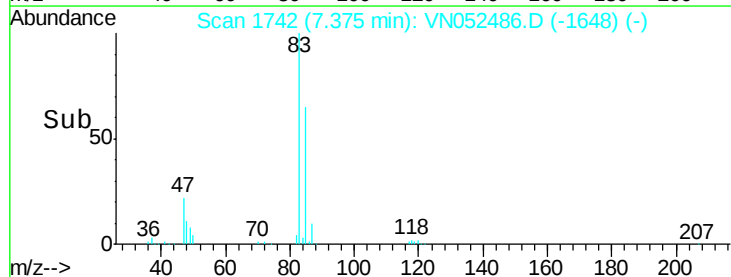
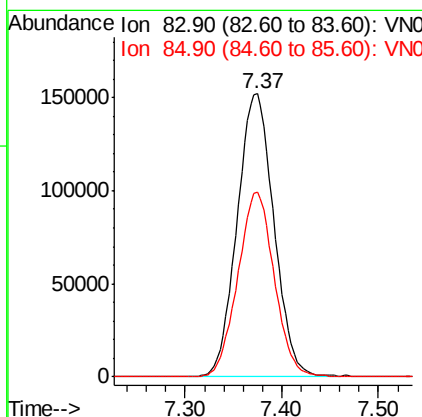
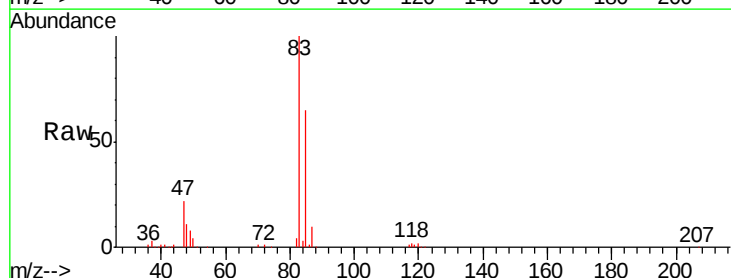
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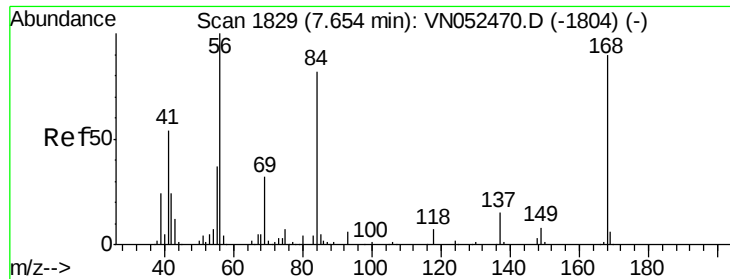
MMDadoda
11/28/2018 9:34:03 AM



#30
Chloroform
Concen: 19.79 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052486.D
Acq: 27 Nov 2018 18:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.0	76.4





#31

Cyclohexane

Concen: 20.06 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN052486.D

Acq: 27 Nov 2018 18:33

Instrument :

MSVOA_N

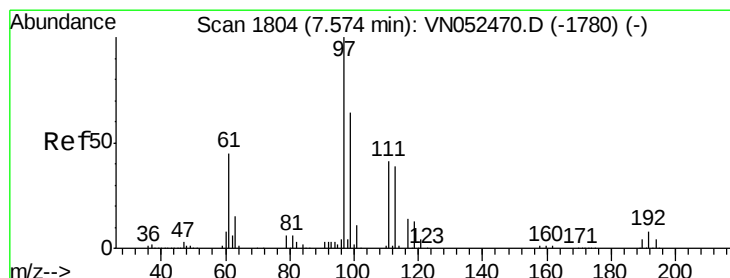
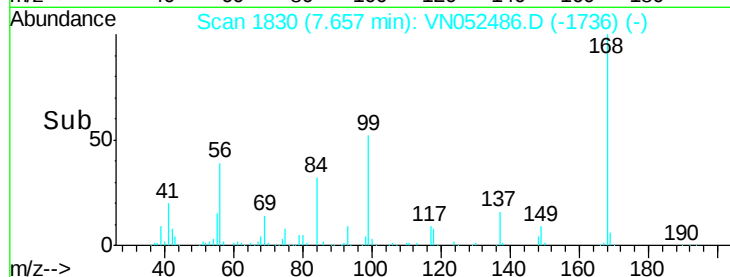
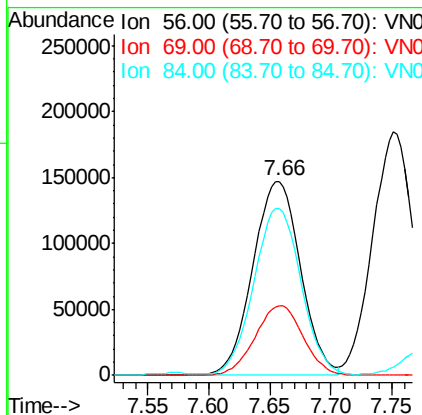
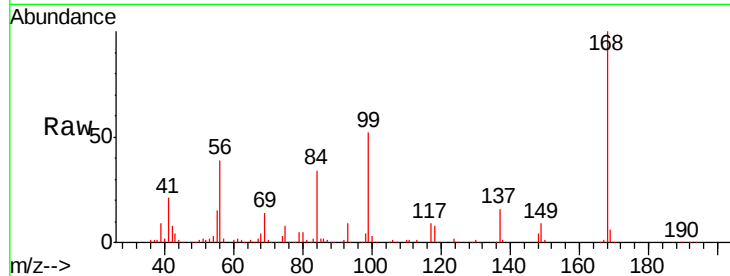
ClientSampleId :

VN1127WBSD01

Tgt Ion:	56	Resp:	399844
Ion Ratio	Lower	Upper	
56	100		
69	35.7	25.8	38.6
84	85.2	65.3	97.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.16 ug/l

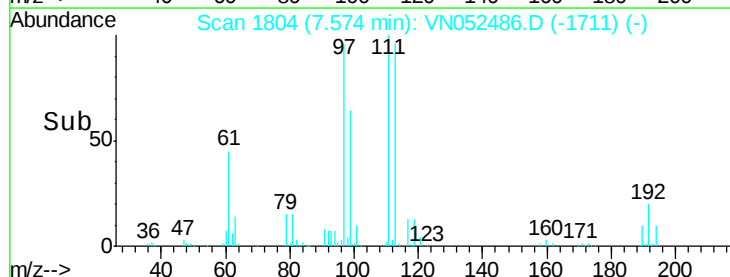
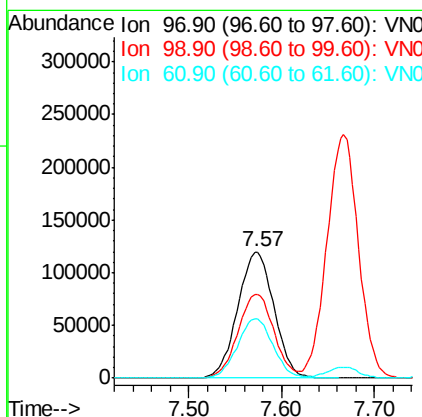
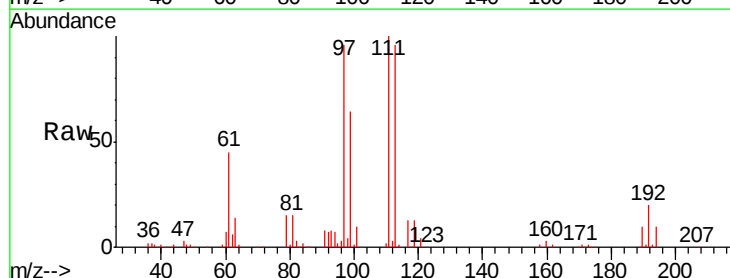
RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN052486.D

Acq: 27 Nov 2018 18:33

Tgt Ion:	97	Resp:	324562
Ion Ratio	Lower	Upper	
97	100		
99	65.8	51.7	77.5
61	46.2	36.8	55.2





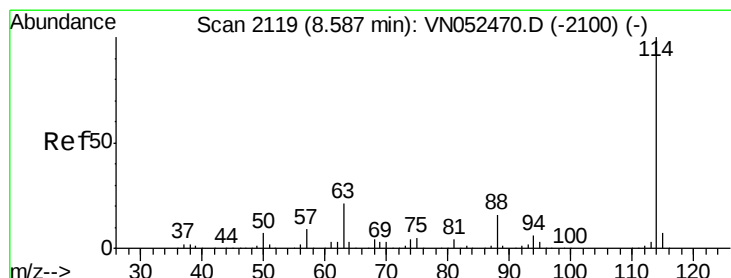
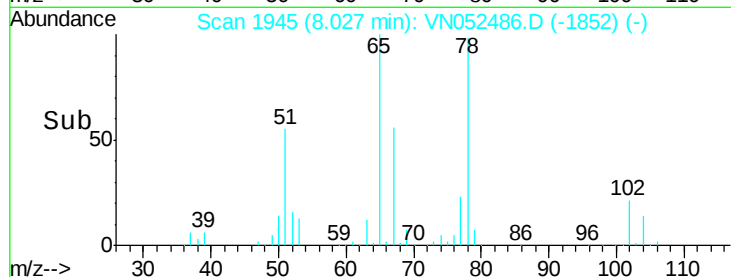
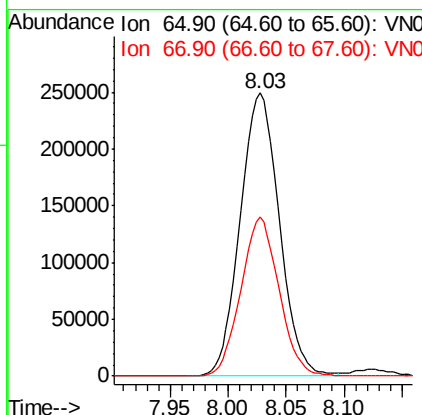
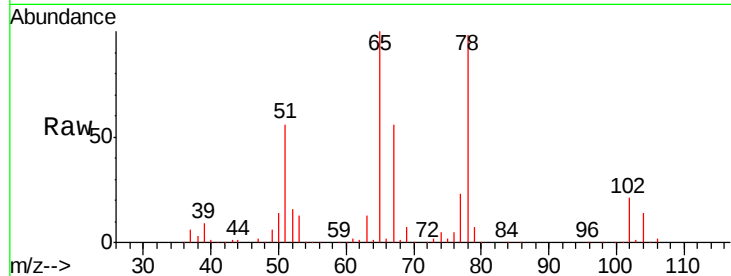
#33
 1,2-Dichloroethane-d4
 Concen: 20.16 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052486.D
 Acq: 27 Nov 2018 18:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127WBSD01

Tgt Ion: 65 Resp: 587064
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 109.8

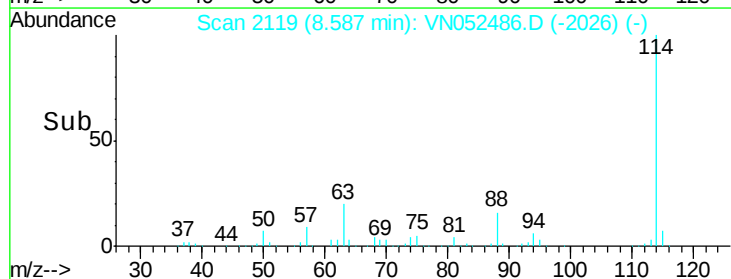
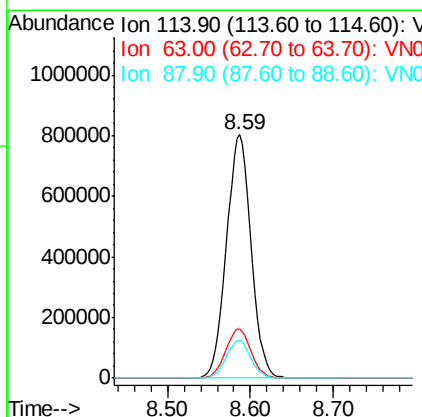
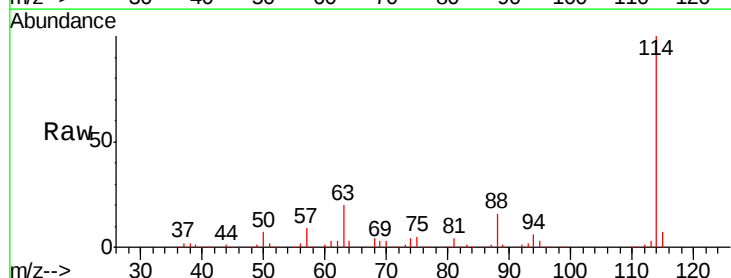
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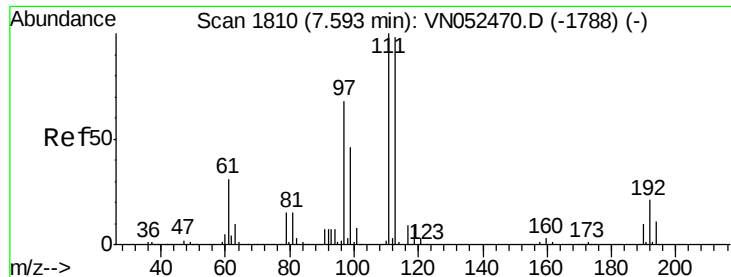
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052486.D
 Acq: 27 Nov 2018 18:33

Tgt Ion: 114 Resp: 1654872
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 41.8
 88 15.5 0.0 31.6





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN052486.D

Acq: 27 Nov 2018 18:33

Instrument :

MSVOA_N

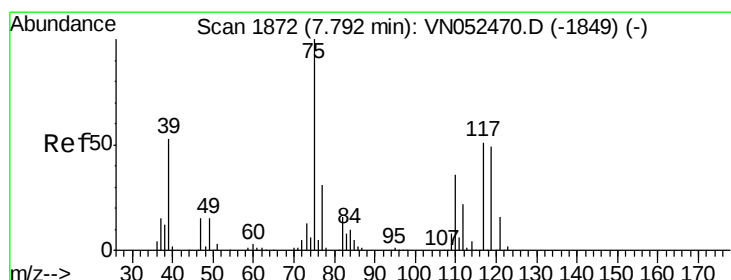
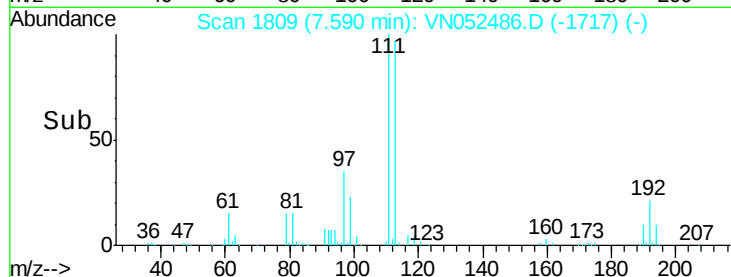
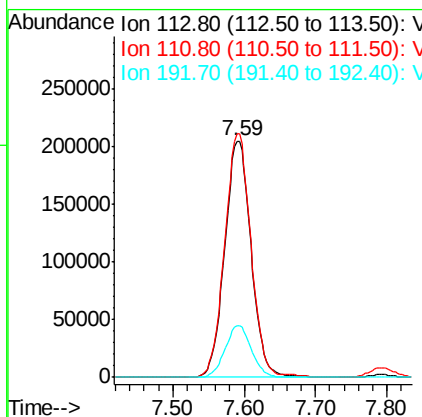
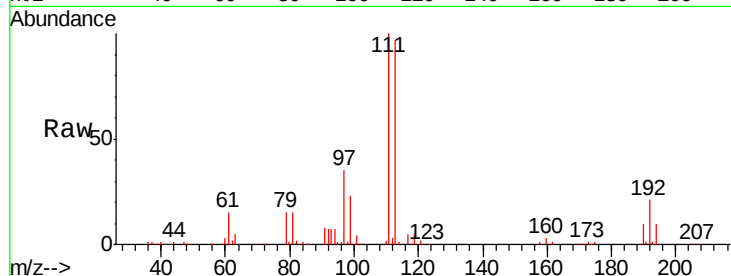
ClientSampleId :

VN1127WBSD01

Tgt Ion:	113	Resp:	526569
Ion Ratio	Lower	Upper	
113	100		
111	102.8	82.0	123.0
192	21.7	17.0	25.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.76 ug/l

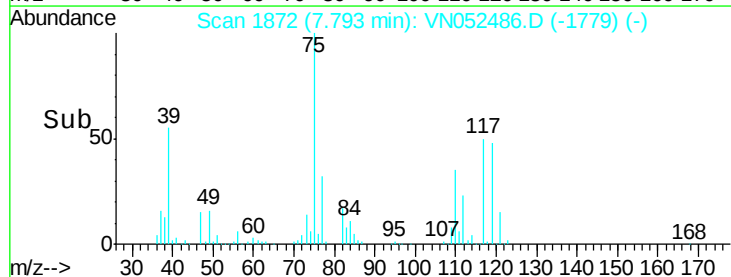
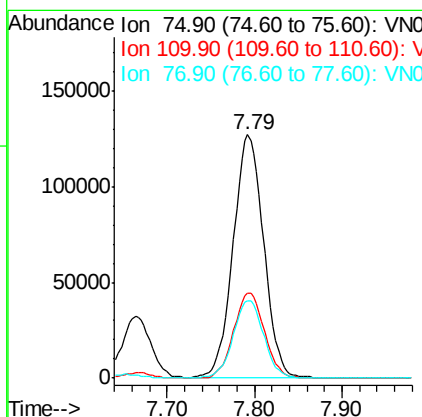
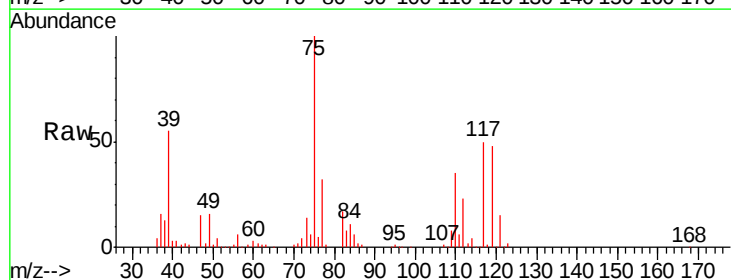
RT: 7.79 min Scan# 1872

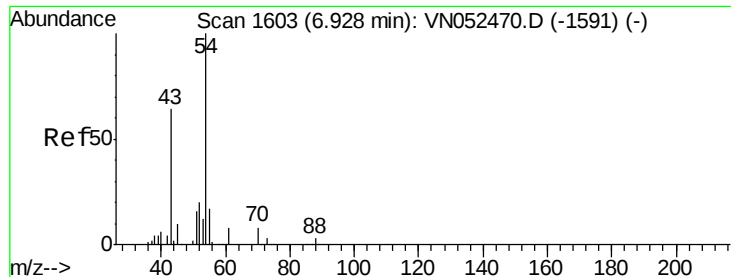
Delta R.T. 0.00 min

Lab File: VN052486.D

Acq: 27 Nov 2018 18:33

Tgt Ion:	75	Resp:	308785
Ion Ratio	Lower	Upper	
75	100		
110	35.1	17.5	52.6
77	31.9	24.5	36.7





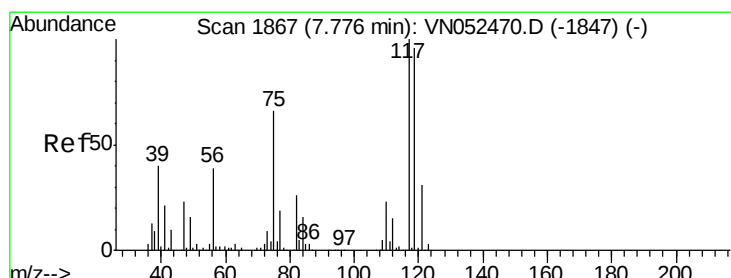
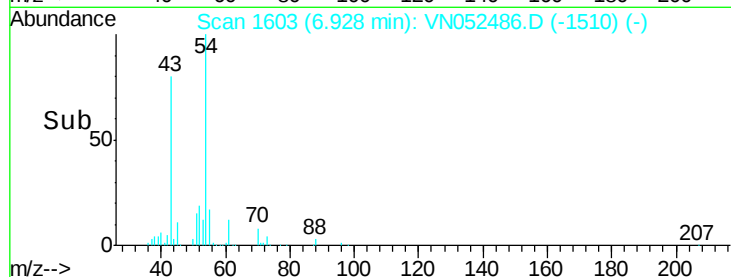
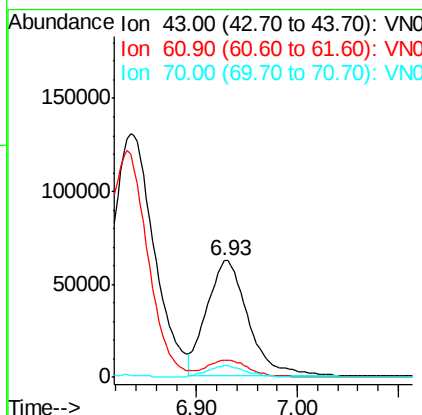
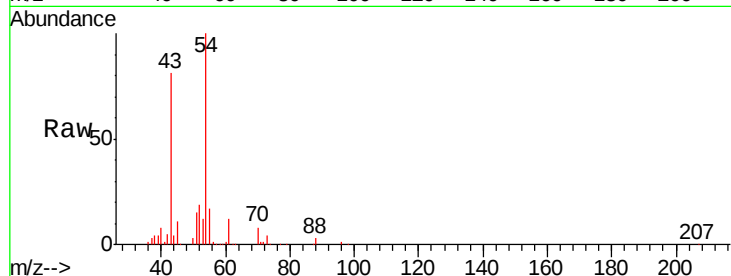
#37
Ethyl Acetate
Concen: 18.52 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN052486.D
Acq: 27 Nov 2018 18:33

Instrument :
MSVOA_N
ClientSampleId :
VN1127WBSD01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.8	17.8
70	9.4	7.8	11.8

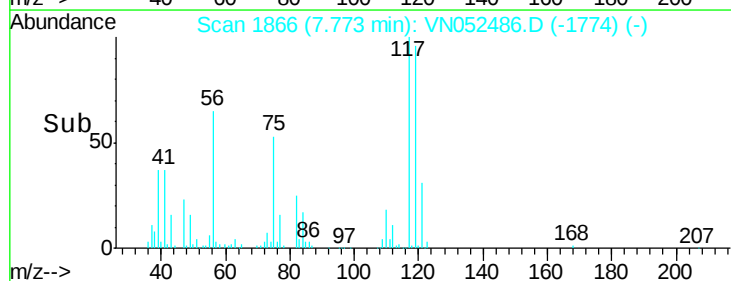
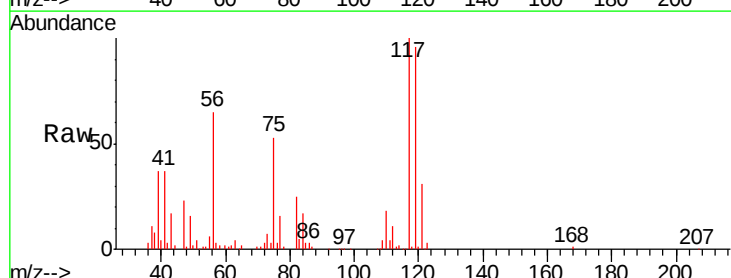
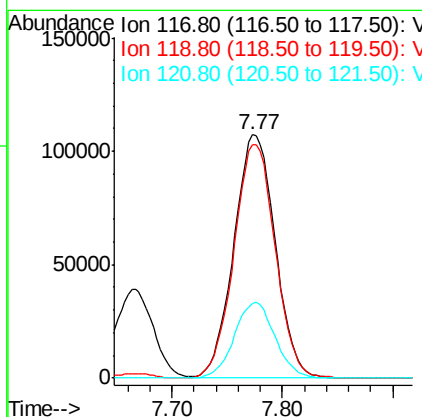
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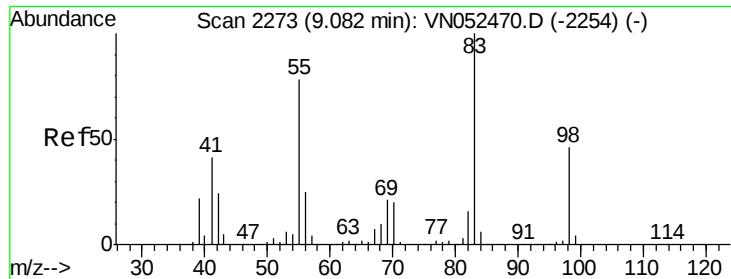
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#38
Carbon Tetrachloride
Concen: 19.59 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN052486.D
Acq: 27 Nov 2018 18:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	76.8	115.2
121	30.7	24.9	37.3





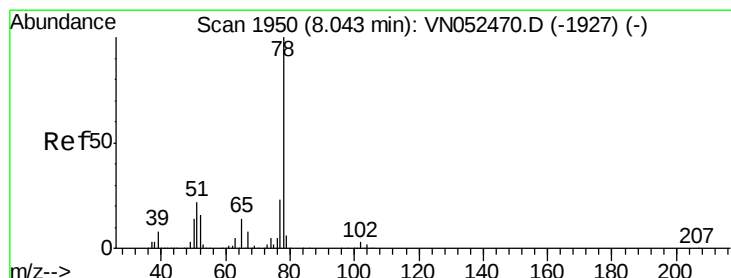
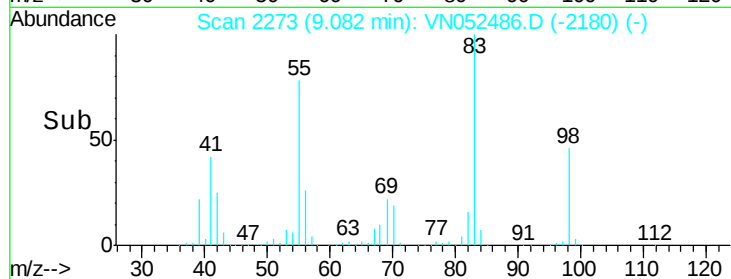
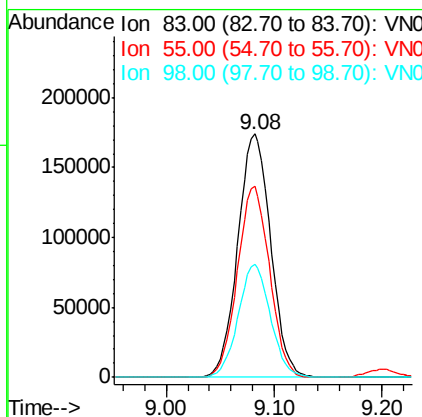
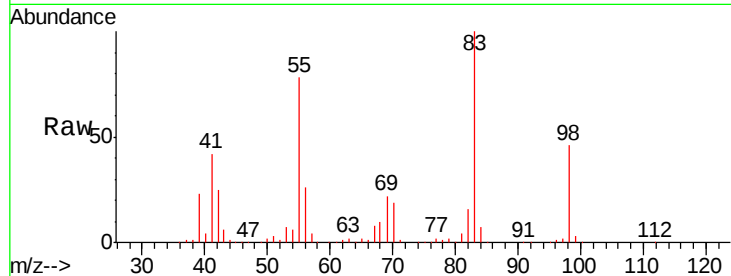
#39
Methylcyclohexane
Concen: 19.46 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052486.D
Acq: 27 Nov 2018 18:33

Instrument :
MSVOA_N
ClientSampleId :
VN1127WBSD01

Tgt Ion	Ratio	Resp Lower	Resp Upper
83	100		
55	78.2	62.2	93.2
98	46.4	36.4	54.6

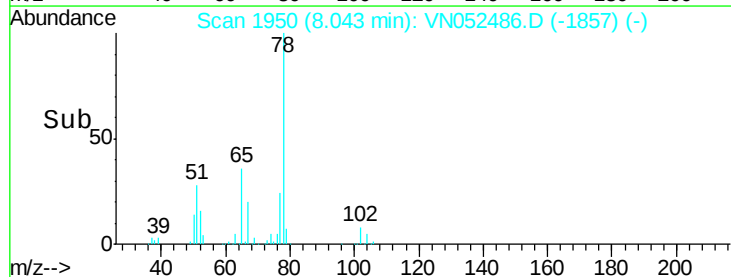
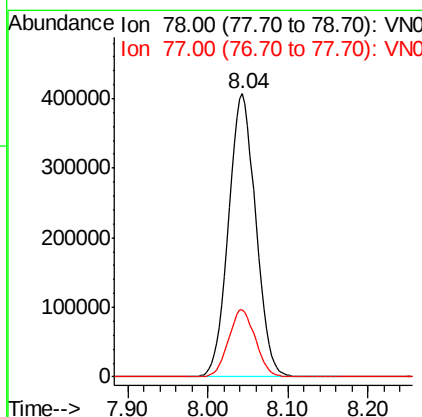
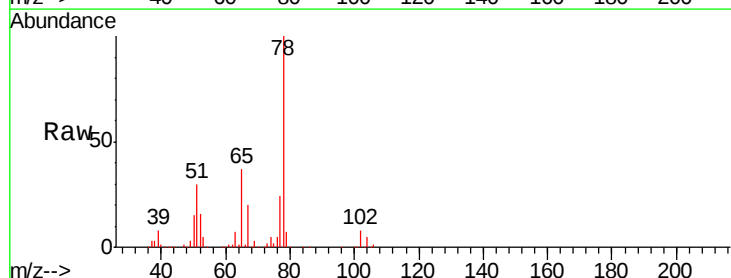
Manual Integrations
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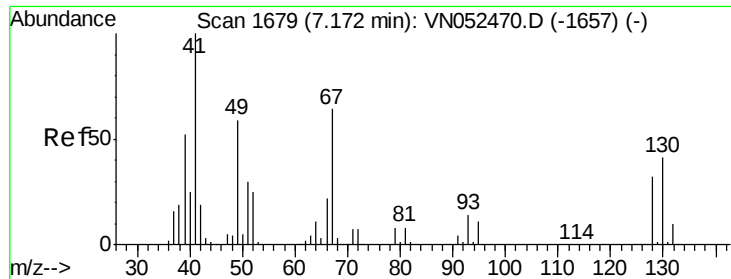
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#40
Benzene
Concen: 20.17 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052486.D
Acq: 27 Nov 2018 18:33

Tgt Ion	Ratio	Resp Lower	Resp Upper
78	100		
77	23.7	18.8	28.2





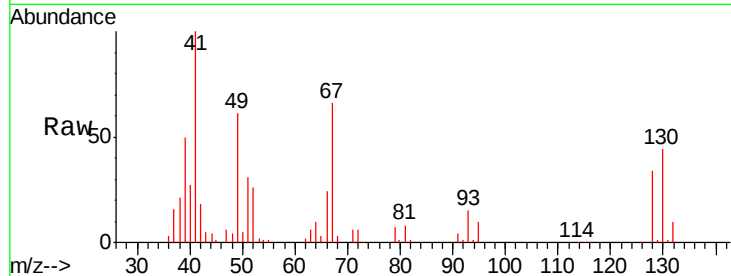
#41
Methacrylonitrile
Concen: 17.92 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN052486.D
Acq: 27 Nov 2018 18:33

Instrument :
MSVOA_N
ClientSampleId :
VN1127WBSD01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	79.8	50.9	76.3#
67	89.2	63.6	95.4
52	36.4	24.4	36.6

Manual Integrations
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MMDadoda
11/28/2018 9:34:03 AM

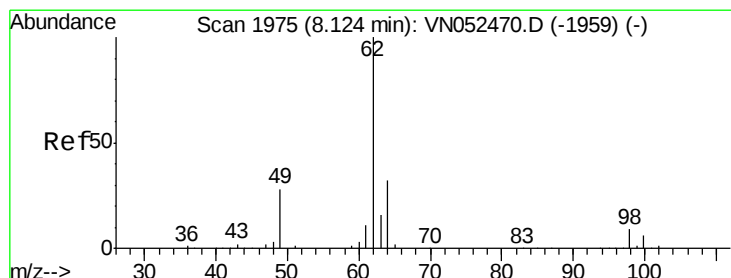
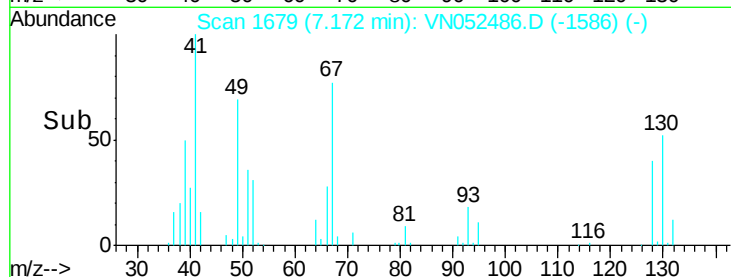
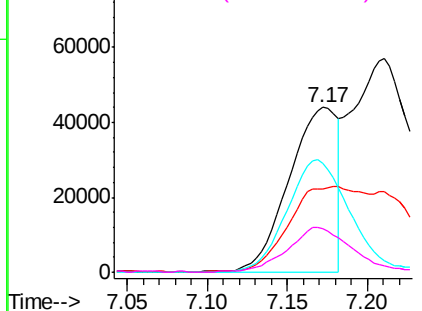


Abundance Ion 41.00 (40.70 to 41.70): VN052486.D (-1586) (-)

Ion 39.00 (38.70 to 39.70): VN052486.D (-1586) (-)

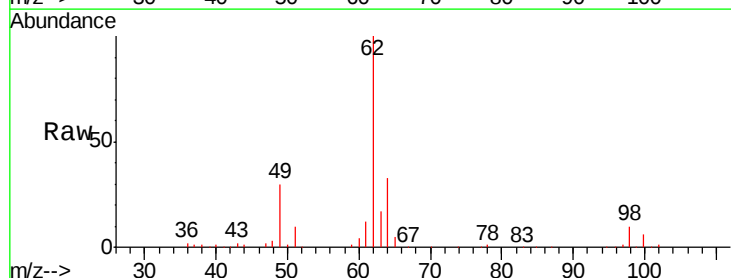
Ion 67.00 (66.70 to 67.70): VN052486.D (-1586) (-)

Ion 52.00 (51.70 to 52.70): VN052486.D (-1586) (-)



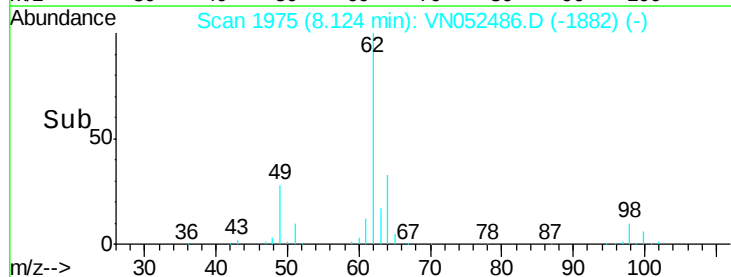
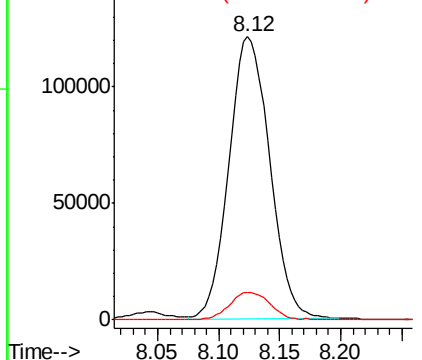
#42
1,2-Dichloroethane
Concen: 19.91 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN052486.D
Acq: 27 Nov 2018 18:33

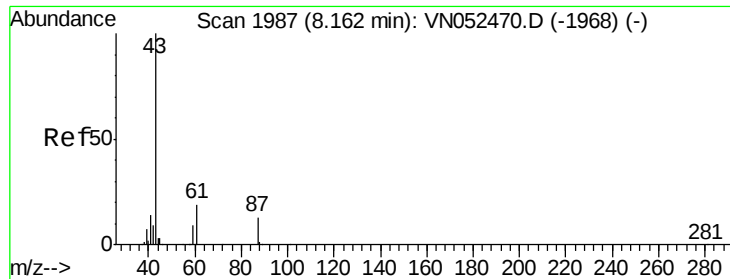
Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	18.6



Abundance Ion 61.90 (61.60 to 62.60): VN052486.D (-1882) (-)

Ion 97.90 (97.60 to 98.60): VN052486.D (-1882) (-)





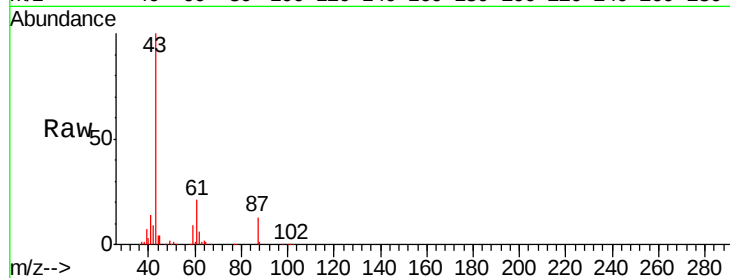
#43
Isopropyl Acetate
Concen: 19.35 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN052486.D
Acq: 27 Nov 2018 18:33

Instrument :
MSVOA_N
ClientSampleId :
VN1127WBSD01

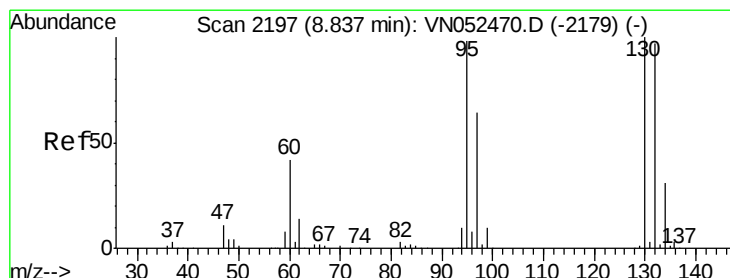
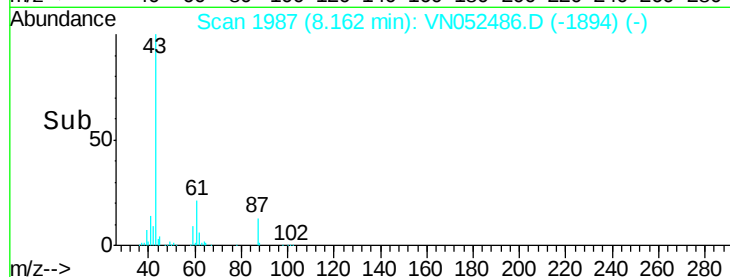
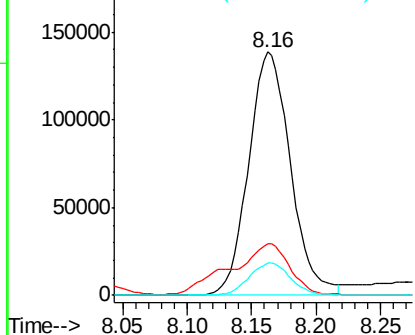
Tgt Ion	Ratio	Lower	Upper
43	100		
61	20.6	24.1	36.1#
87	13.4	10.6	15.8

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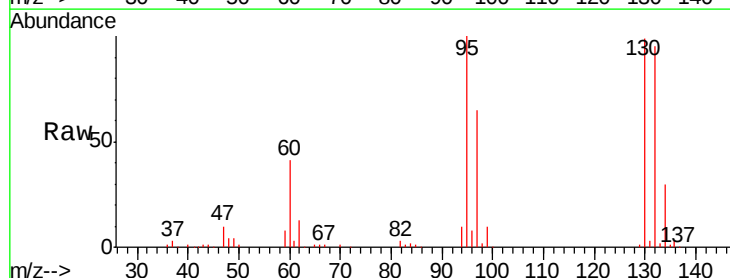


Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 87.00 (86.70 to 87.70): VNO

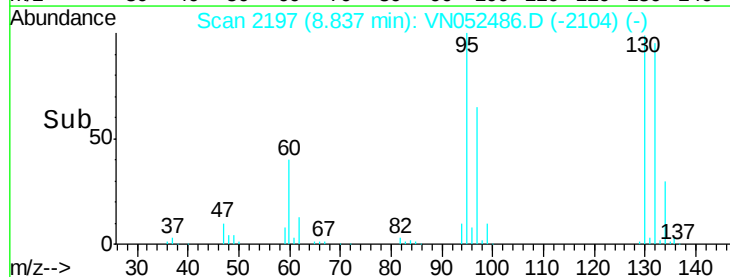
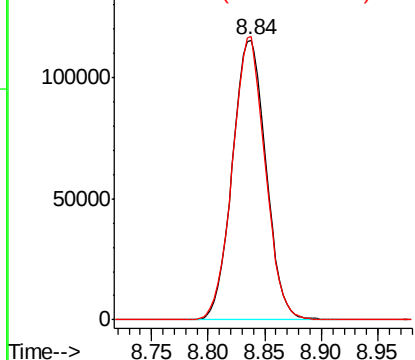


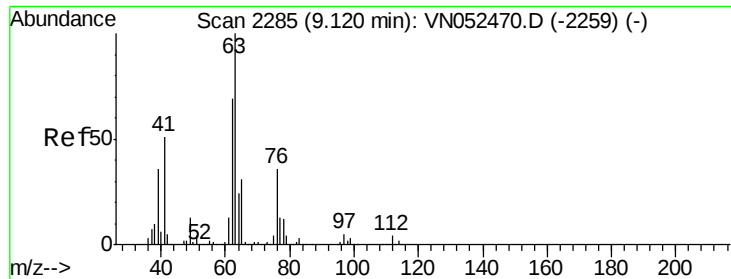
#44
Trichloroethene
Concen: 20.03 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN052486.D
Acq: 27 Nov 2018 18:33

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.1	0.0	195.6



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VNO





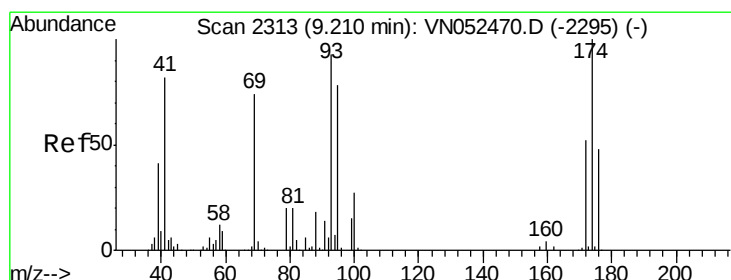
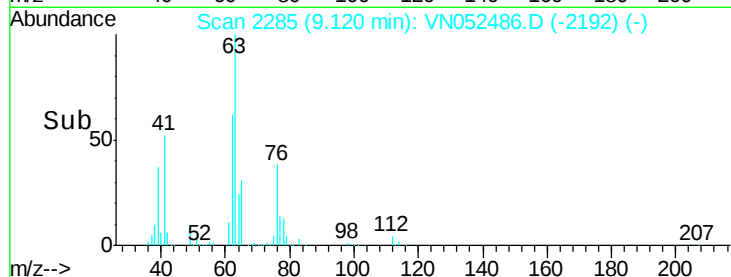
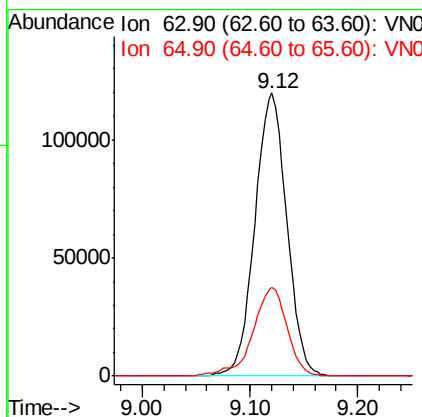
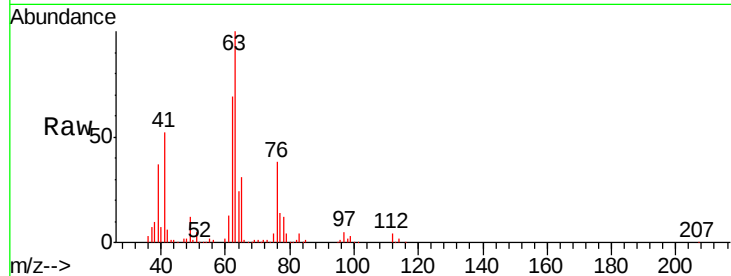
#45
 1,2-Dichloropropane
 Concen: 19.88 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052486.D
 Acq: 27 Nov 2018 18:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127WBSD01

Tgt Ion: 63 Resp: 246184
 Ion Ratio Lower Upper
 63 100
 65 31.4 25.0 37.6

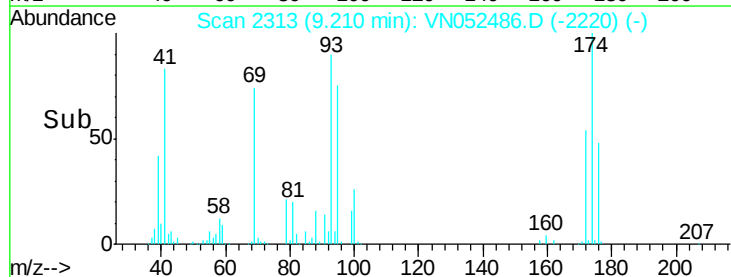
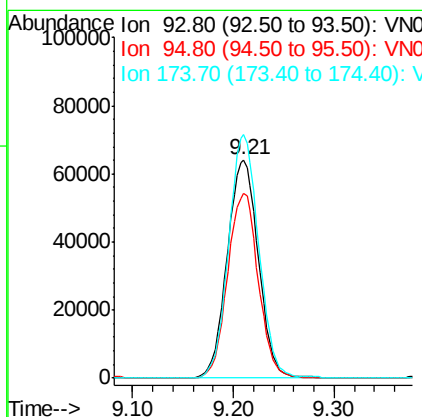
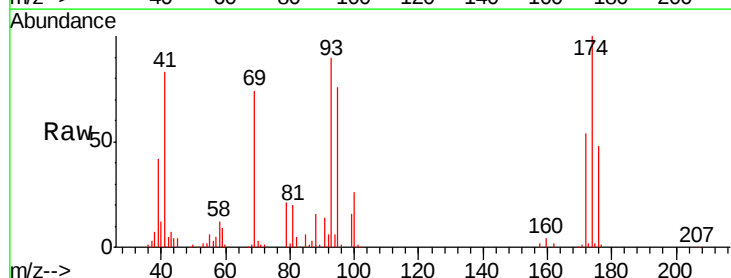
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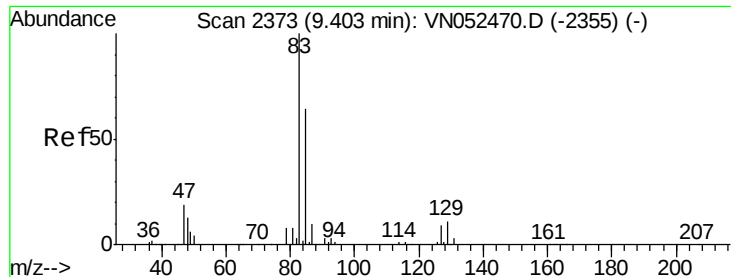
MMDadoda
 11/28/2018 9:34:03 AM



#46
 Dibromomethane
 Concen: 20.14 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052486.D
 Acq: 27 Nov 2018 18:33

Tgt Ion: 93 Resp: 138032
 Ion Ratio Lower Upper
 93 100
 95 83.1 67.1 100.7
 174 107.7 85.8 128.8





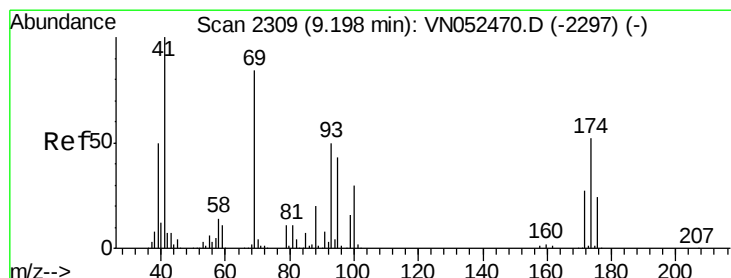
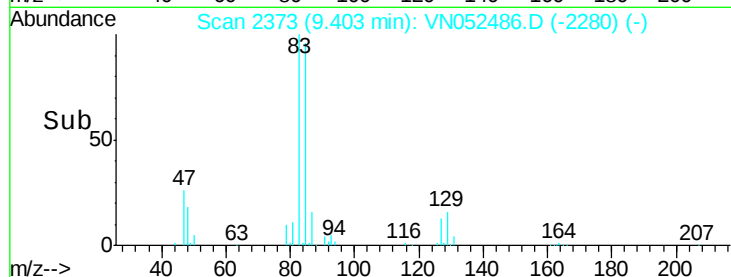
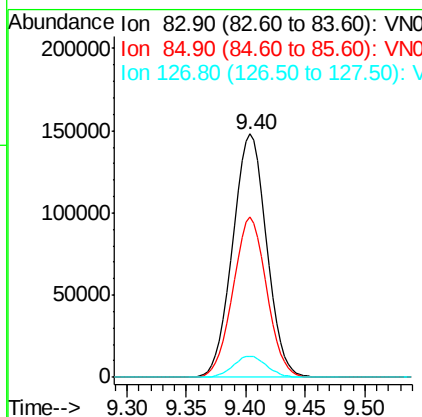
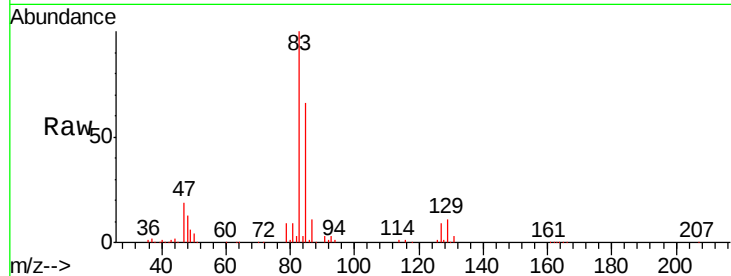
#47
Bromodichloromethane
Concen: 19.67 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN052486.D
Acq: 27 Nov 2018 18:33

Instrument :
MSVOA_N
ClientSampleId :
VN1127WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	293101		
85	66.0	51.3	76.9	
127	8.8	6.9	10.3	

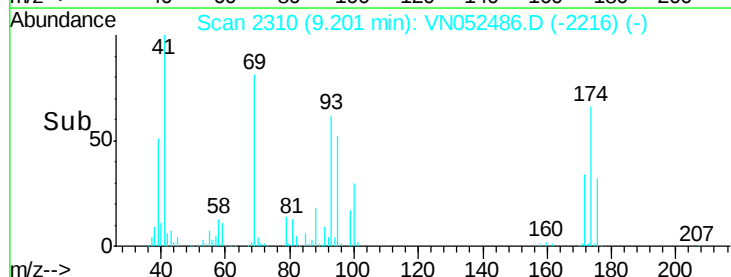
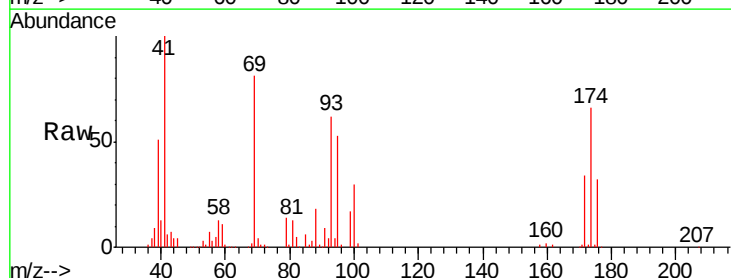
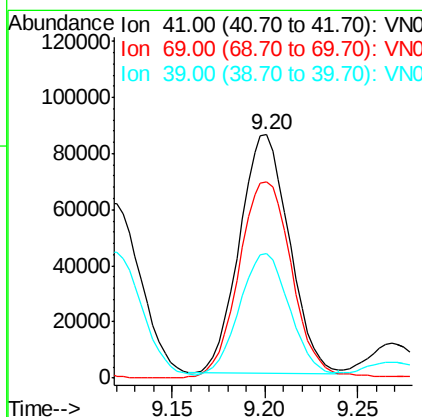
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11/28/2018 9:34:03 AM



#48
Methyl methacrylate
Concen: 18.98 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052486.D
Acq: 27 Nov 2018 18:33

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	159692		
69	87.5	70.0	105.0	
39	53.4	42.6	64.0	





#49

1,4-Dioxane

Concen: 379.16 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052486.D

Acq: 27 Nov 2018 18:33

Instrument :

MSVOA_N

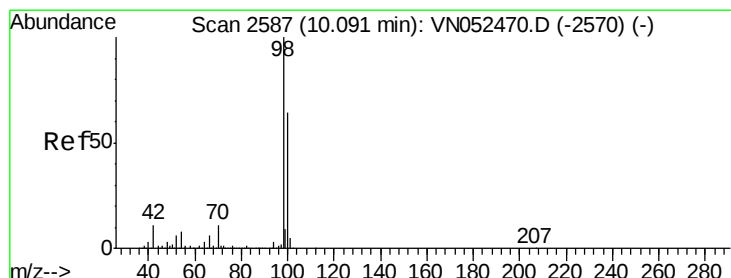
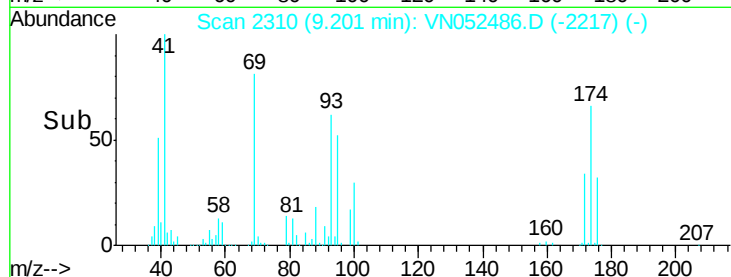
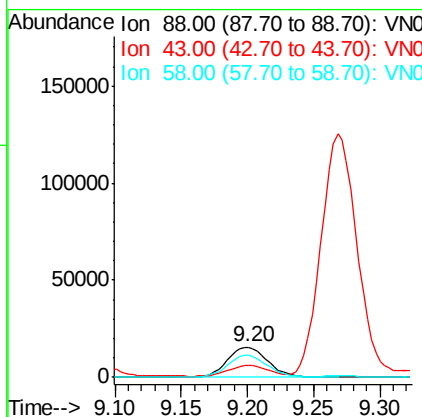
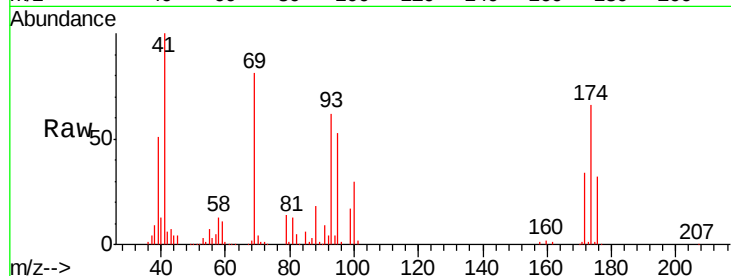
ClientSampleId :

VN1127WBSD01

Tgt Ion:	88	Resp:	33117
Ion Ratio	Lower	Upper	
88	100		
43	36.5	26.4	39.6
58	72.9	55.4	83.0

Manual Integrations
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#50

Toluene-d8

Concen: 379.16 ug/l

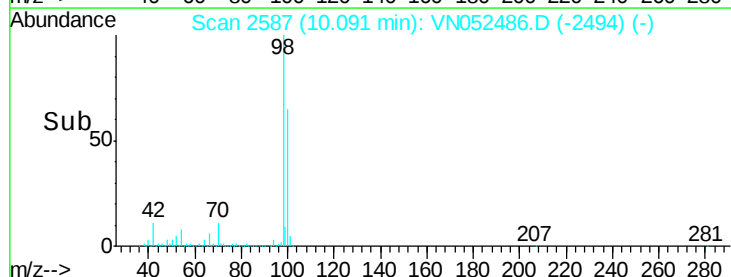
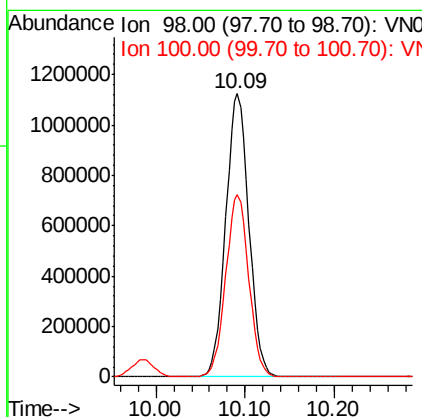
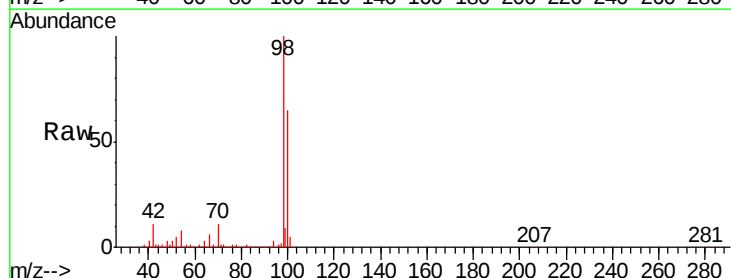
RT: 10.09 min Scan# 2587

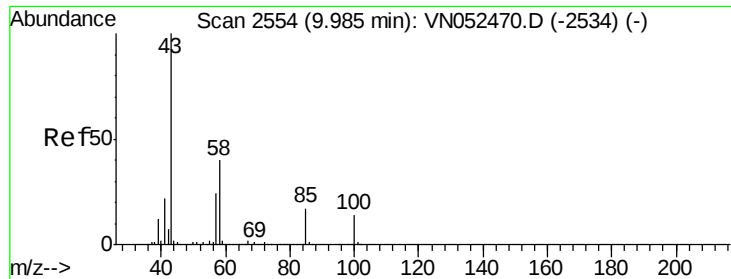
Delta R.T. 0.00 min

Lab File: VN052486.D

Acq: 27 Nov 2018 18:33

Tgt Ion:	98	Resp:	2015093
Ion Ratio	Lower	Upper	
98	100		
100	64.3	51.3	76.9





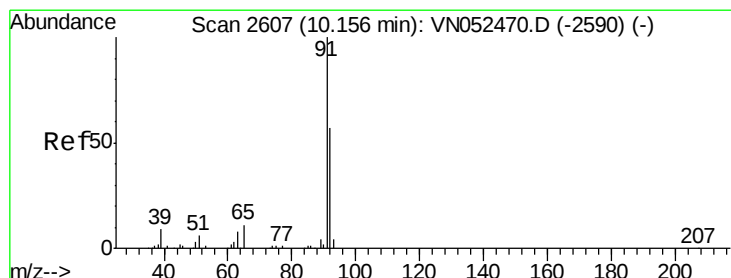
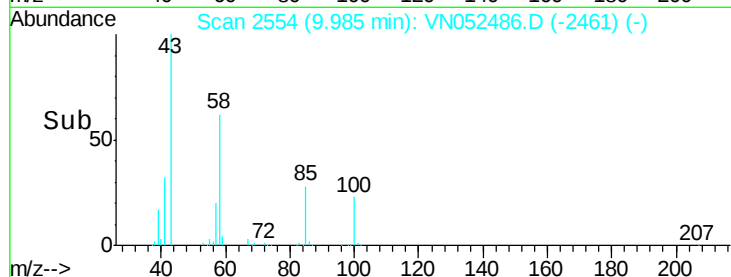
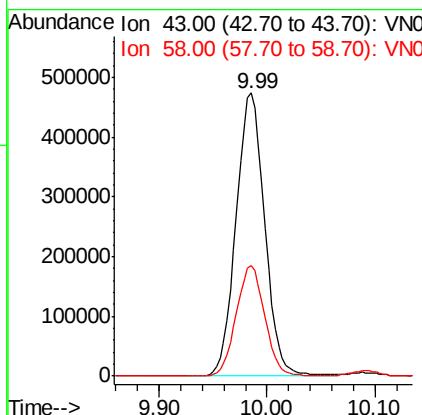
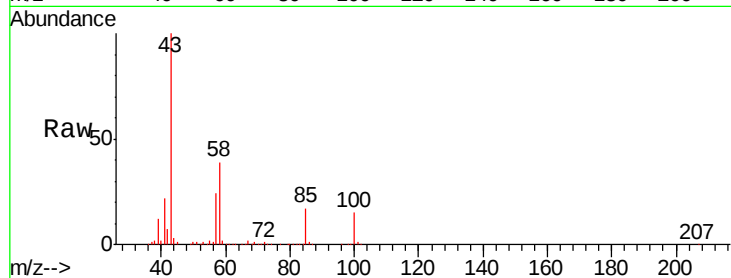
#51
4-Methyl-2-Pentanone
Concen: 96.16 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN052486.D
Acq: 27 Nov 2018 18:33

Instrument :
MSVOA_N
ClientSampleId :
VN1127WBSD01

Tgt Ion: 43 Resp: 870821
Ion Ratio Lower Upper
43 100
58 39.0 31.5 47.3

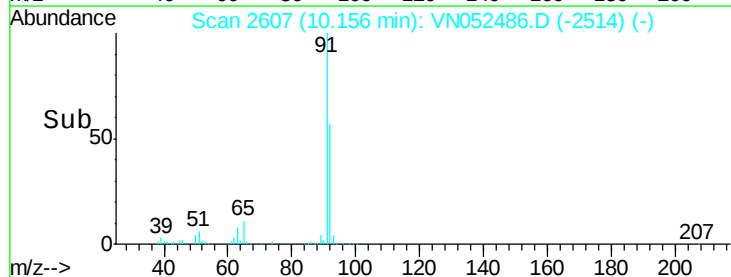
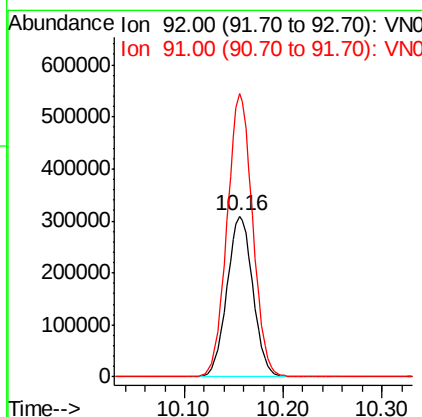
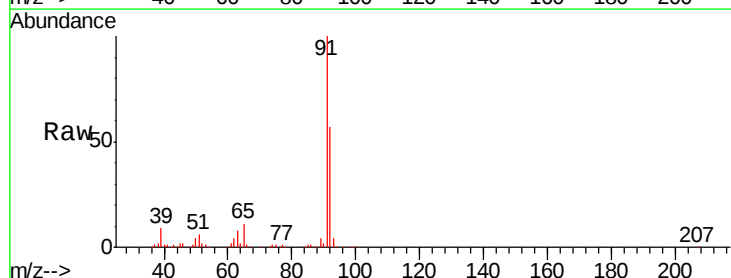
Manual Integrations
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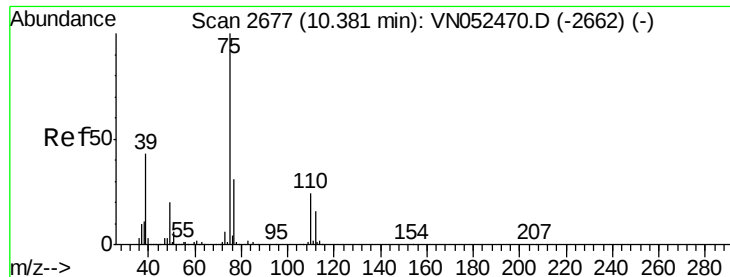
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#52
Toluene
Concen: 20.45 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN052486.D
Acq: 27 Nov 2018 18:33

Tgt Ion: 92 Resp: 565745
Ion Ratio Lower Upper
92 100
91 173.8 141.0 211.4





#53

t-1,3-Dichloropropene

Concen: 19.42 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN052486.D

Acq: 27 Nov 2018 18:33

Instrument :

MSVOA_N

ClientSampleId :

VN1127WBSD01

Tgt Ion: 75 Resp: 278488

Ion Ratio Lower Upper

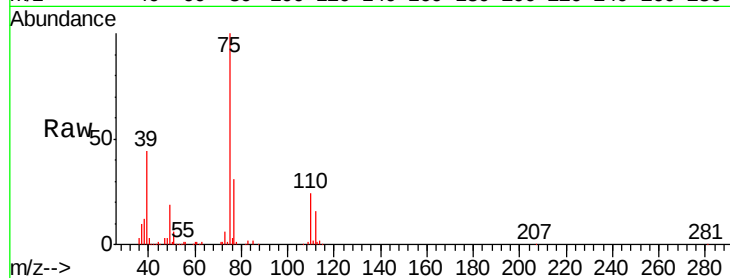
75 100

77 30.8 25.0 37.4

Manual Integrations
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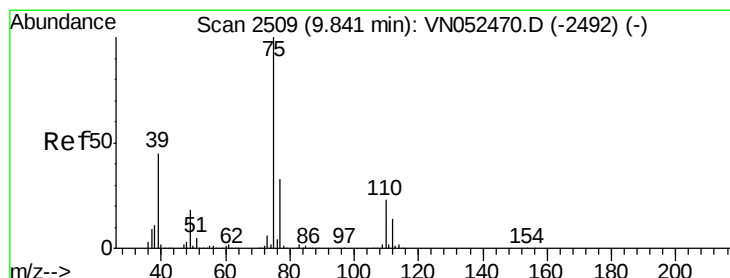
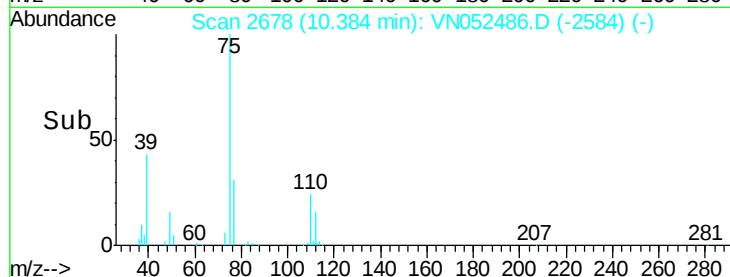
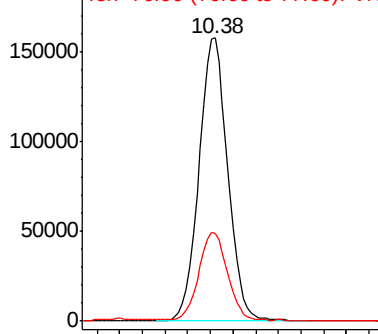
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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 19.91 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN052486.D

Acq: 27 Nov 2018 18:33

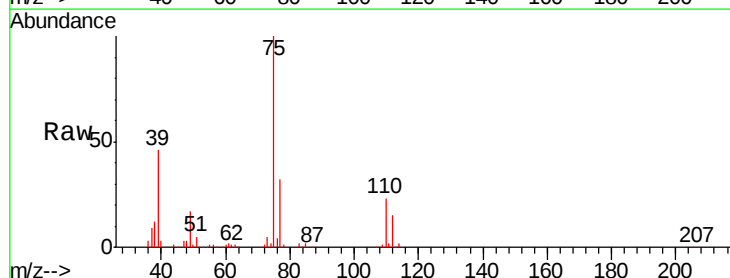
Tgt Ion: 75 Resp: 342155

Ion Ratio Lower Upper

75 100

77 31.7 26.2 39.2

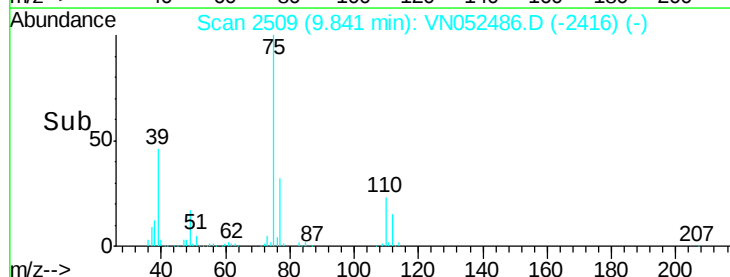
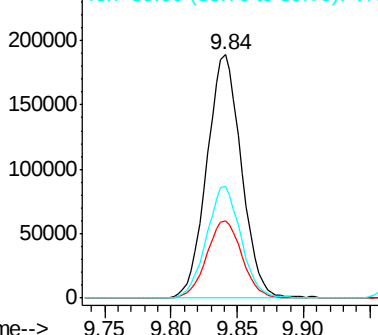
39 45.6 36.0 54.0

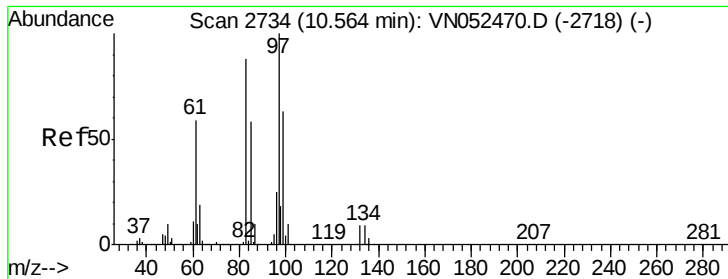


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





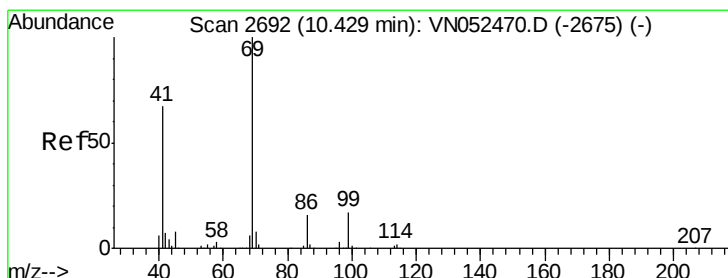
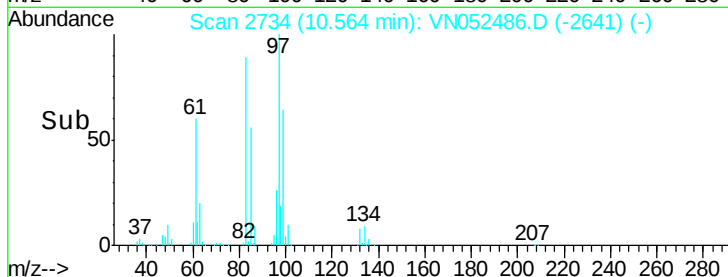
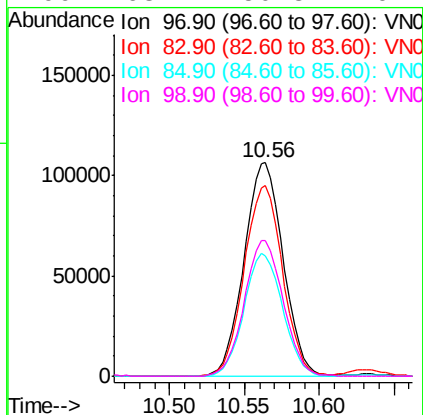
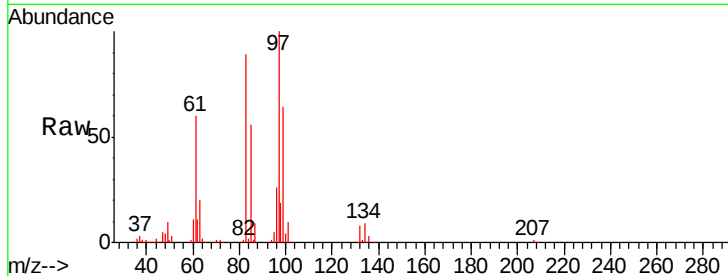
#55
 1,1,2-Trichloroethane
 Concen: 19.94 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN052486.D
 Acq: 27 Nov 2018 18:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127WBSD01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.3	70.7	106.1
85	56.5	46.1	69.1
99	63.7	50.8	76.2

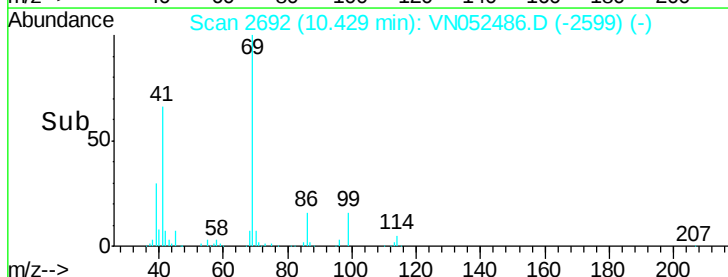
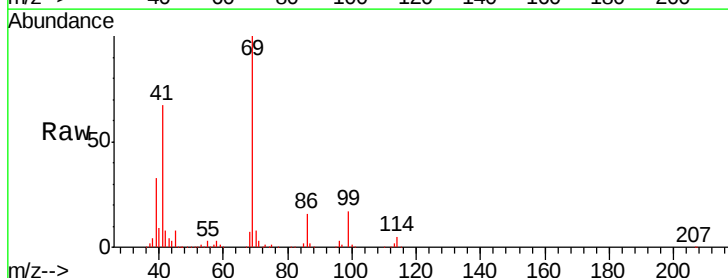
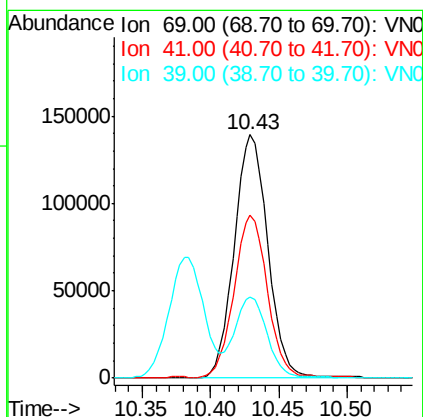
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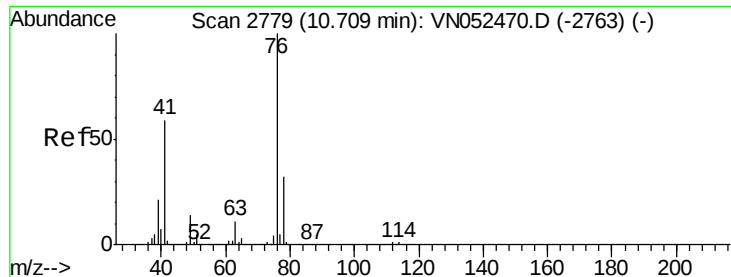
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#56
 Ethyl methacrylate
 Concen: 19.36 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052486.D
 Acq: 27 Nov 2018 18:33

Tgt Ion	Ratio	Lower	Upper
69	100		
41	65.8	52.6	79.0
39	32.6	25.9	38.9





#57

1,3-Dichloropropane

Concen: 19.84 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN052486.D

Acq: 27 Nov 2018 18:33

Instrument :

MSVOA_N

ClientSampleId :

VN1127WBSD01

Tgt Ion: 76 Resp: 340987

Ion Ratio Lower Upper

76 100

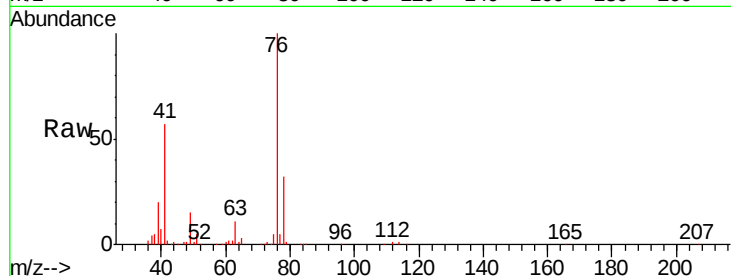
78 32.2 25.6 38.4

Manual Integrations

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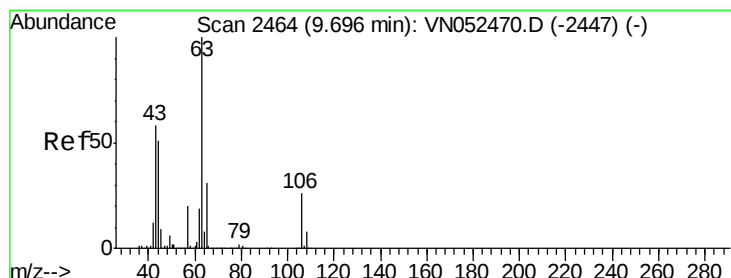
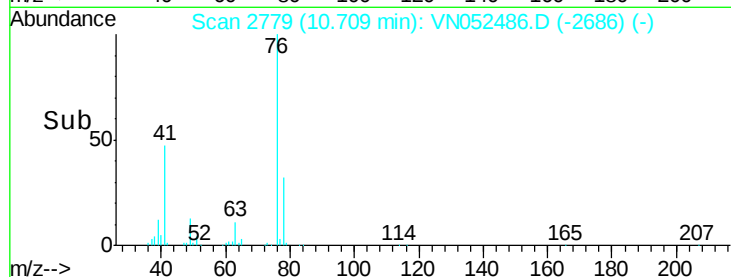
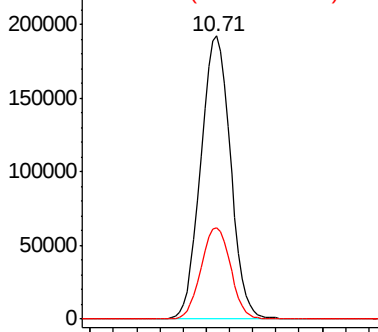
MMDadoda

11/28/2018 9:34:03 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 95.26 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN052486.D

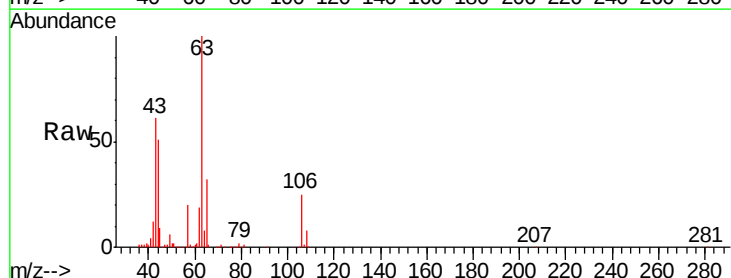
Acq: 27 Nov 2018 18:33

Tgt Ion: 63 Resp: 672782

Ion Ratio Lower Upper

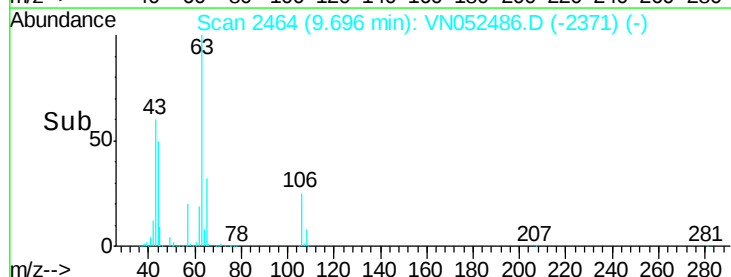
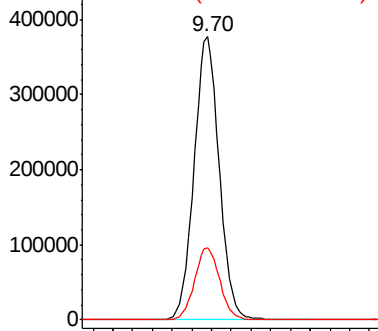
63 100

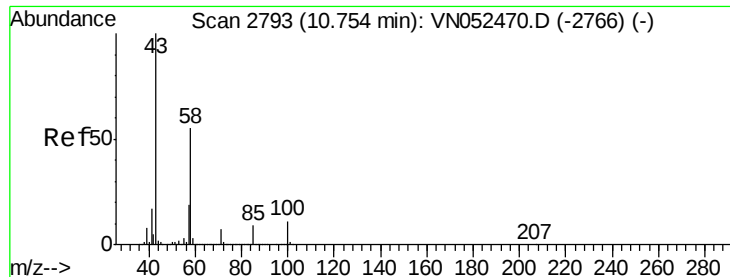
106 25.6 20.6 30.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





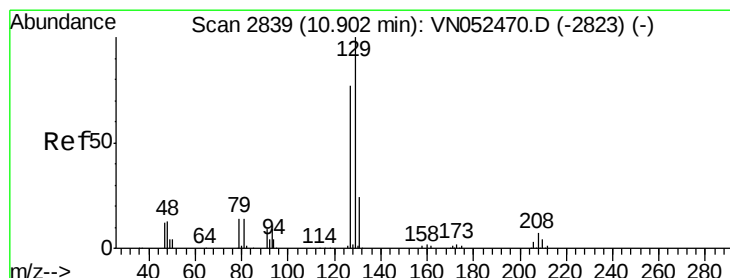
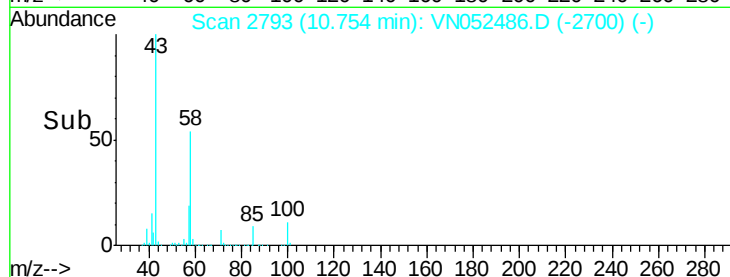
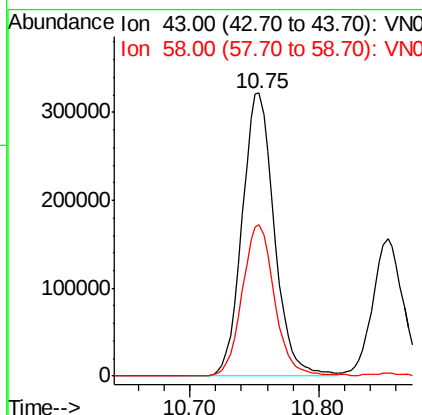
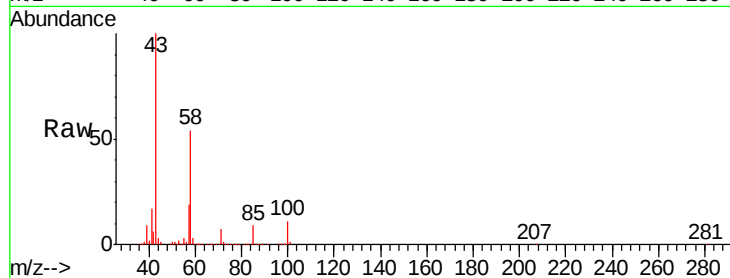
#59
2-Hexanone
Concen: 91.85 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN052486.D
Acq: 27 Nov 2018 18:33

Instrument :
MSVOA_N
ClientSampleId :
VN1127WBSD01

Tgt Ion: 43 Resp: 558246
Ion Ratio Lower Upper
43 100
58 54.0 27.4 82.0

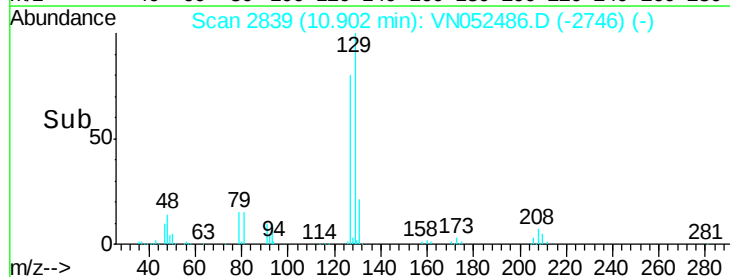
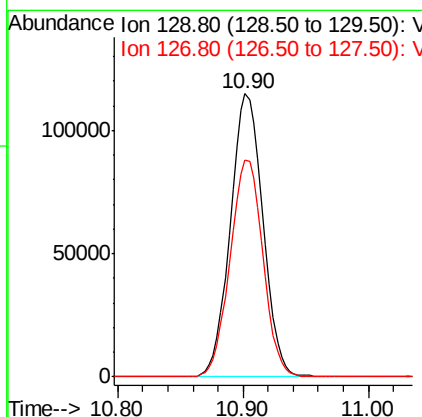
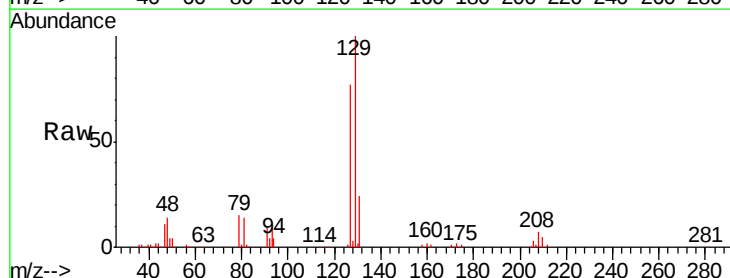
Manual Integrations
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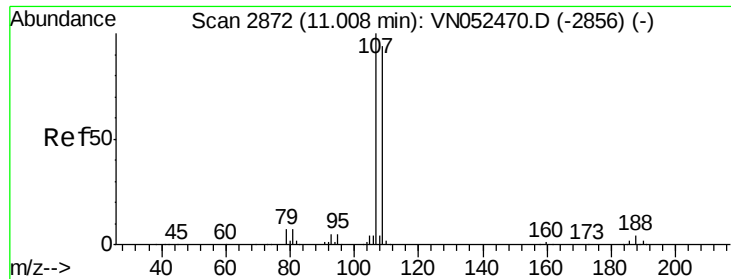
MMDadoda
11/28/2018 9:34:03 AM



#60
Dibromochloromethane
Concen: 19.58 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052486.D
Acq: 27 Nov 2018 18:33

Tgt Ion: 129 Resp: 207021
Ion Ratio Lower Upper
129 100
127 77.3 38.9 116.6





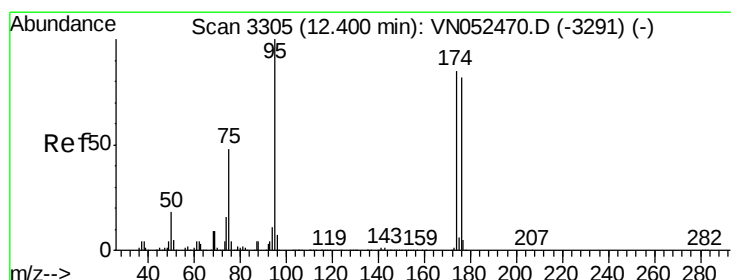
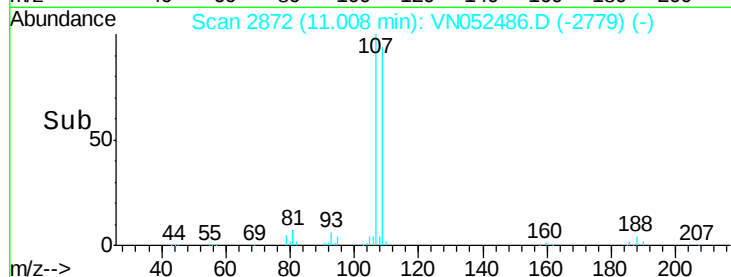
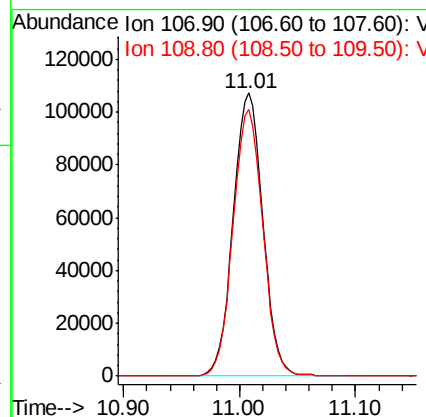
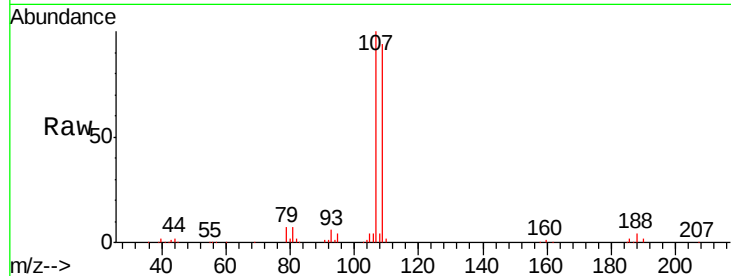
#61
 1,2-Dibromoethane
 Concen: 19.62 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN052486.D
 Acq: 27 Nov 2018 18:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127WBSD01

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.7	75.6	113.4

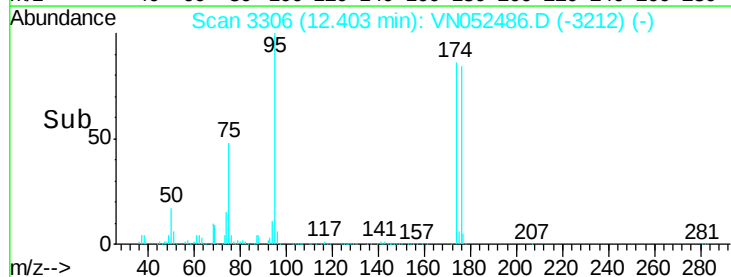
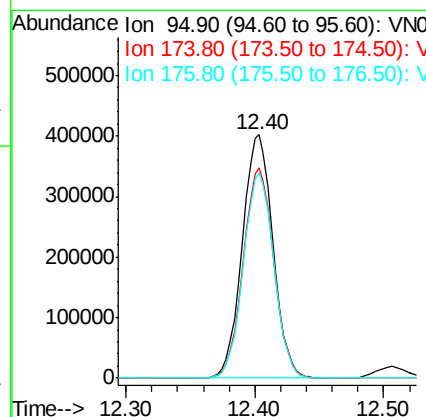
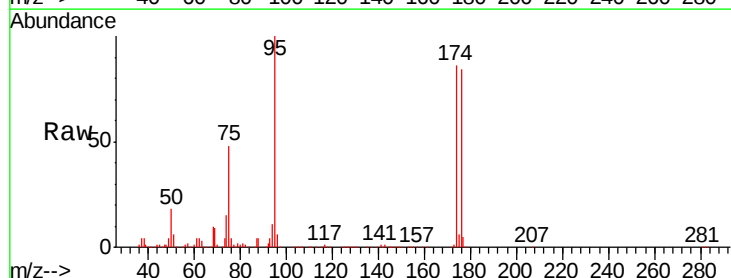
Manual Integrations
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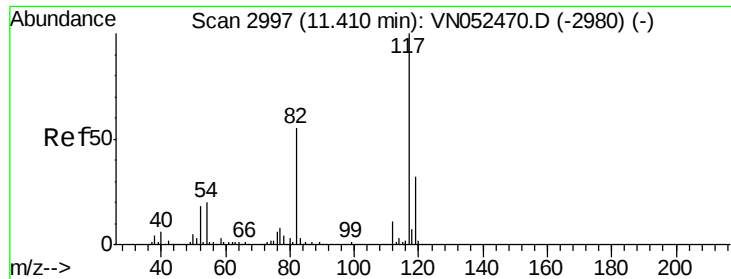
MMDadoda
 11/28/2018 9:34:03 AM



#62
 4-Bromofluorobenzene
 Concen: 19.62 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN052486.D
 Acq: 27 Nov 2018 18:33

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.4	0.0	173.0
176	84.1	0.0	166.2





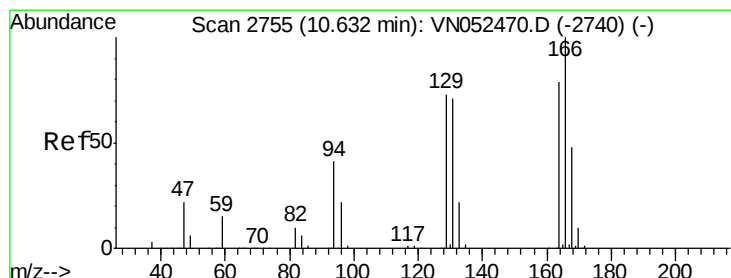
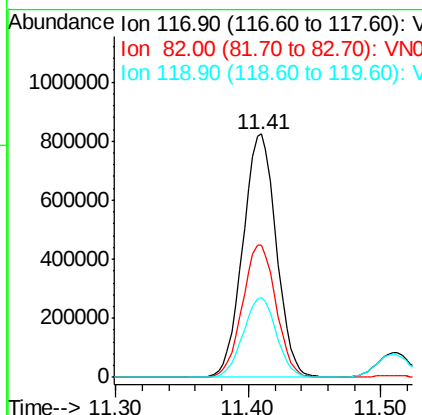
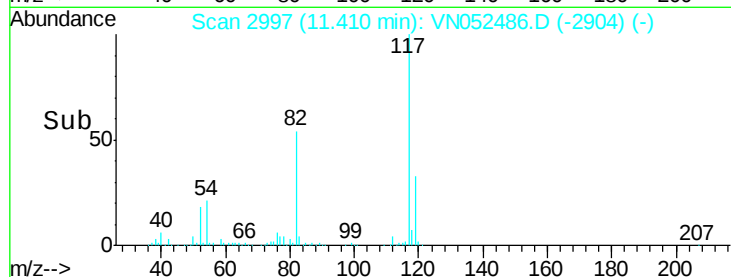
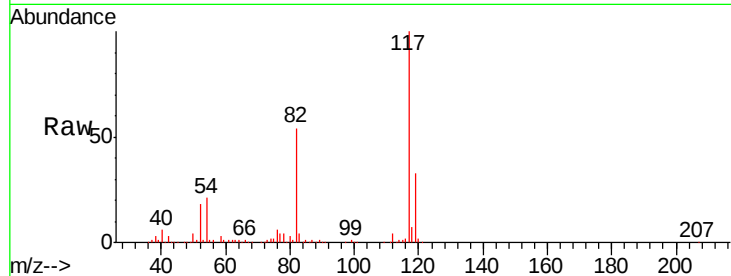
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN052486.D
Acq: 27 Nov 2018 18:33

Instrument :
MSVOA_N
ClientSampleId :
VN1127WBSD01

Tgt Ion:117 Resp: 1439878
Ion Ratio Lower Upper
117 100
82 54.1 43.6 65.4
119 32.9 25.4 38.2

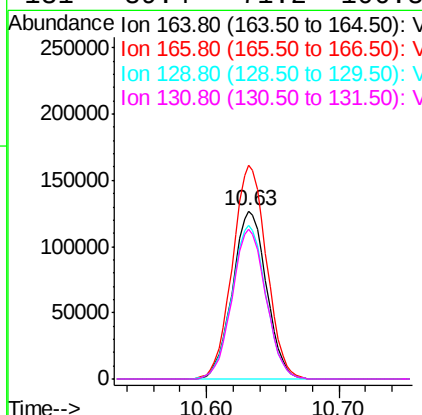
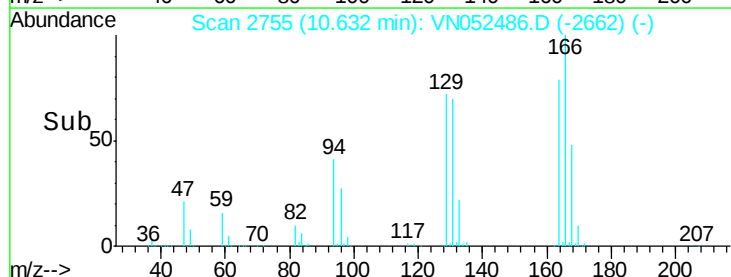
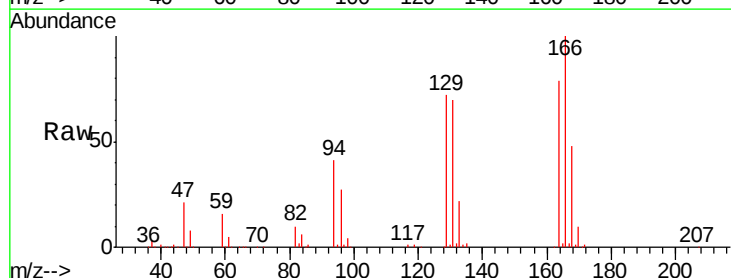
Manual Integrations
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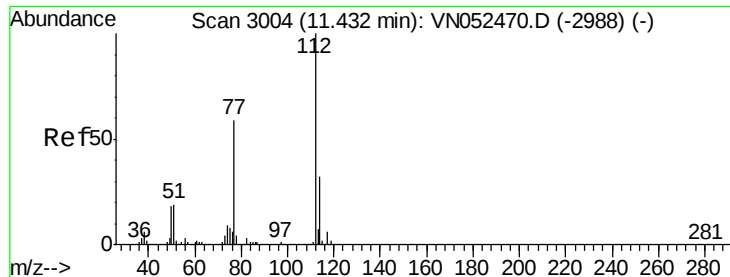
MMDadoda
11/28/2018 9:34:03 AM



#64
Tetrachloroethene
Concen: 20.17 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052486.D
Acq: 27 Nov 2018 18:33

Tgt Ion:164 Resp: 225142
Ion Ratio Lower Upper
164 100
166 126.9 101.0 151.4
129 91.4 73.8 110.6
131 89.4 71.2 106.8





#65

Chlorobenzene

Concen: 20.25 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN052486.D

Acq: 27 Nov 2018 18:33

Instrument :

MSVOA_N

ClientSampleId :

VN1127WBSD01

Tgt Ion:112 Resp: 601314

Ion Ratio Lower Upper

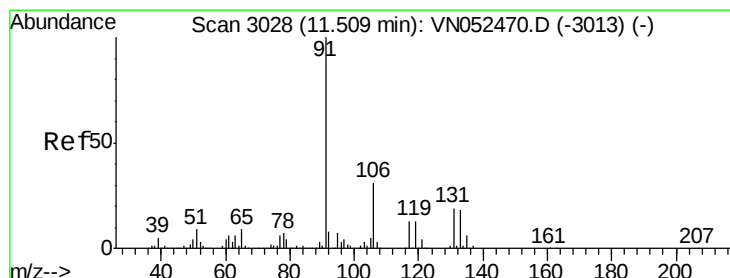
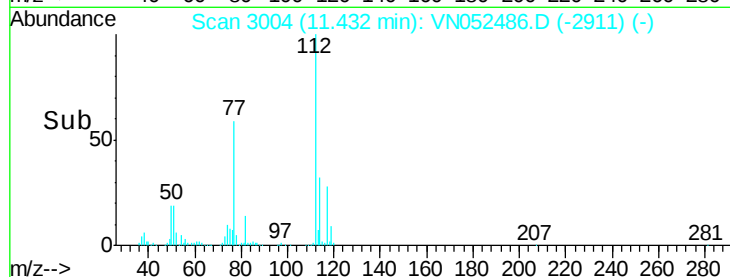
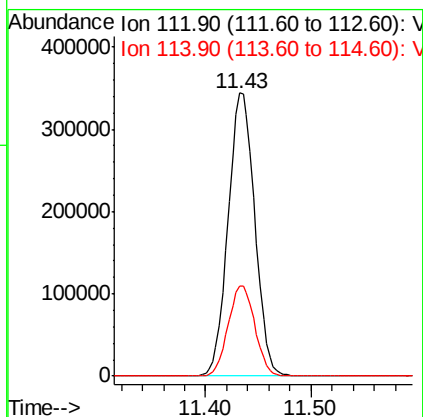
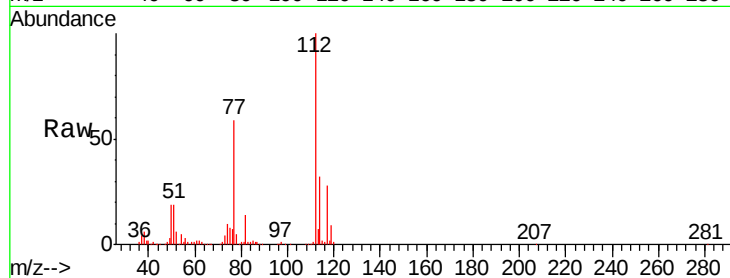
112 100

114 31.8 25.8 38.6

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 19.98 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052486.D

Acq: 27 Nov 2018 18:33

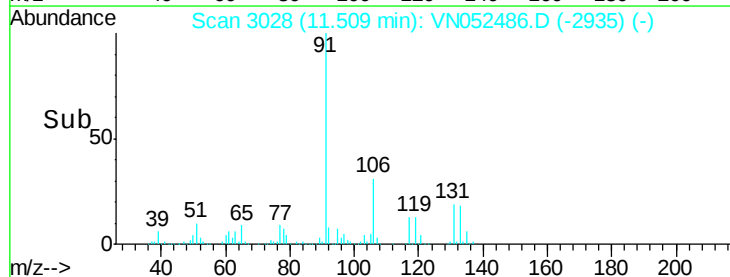
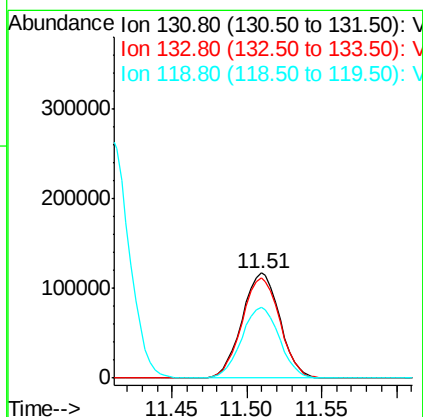
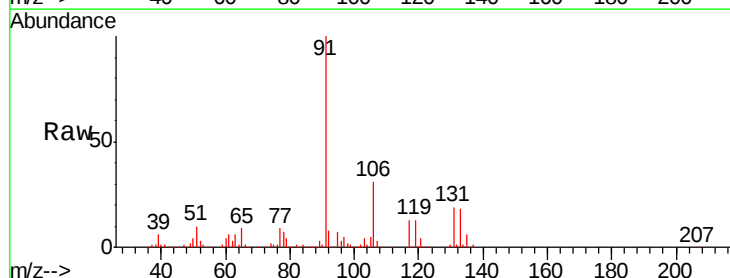
Tgt Ion:131 Resp: 206295

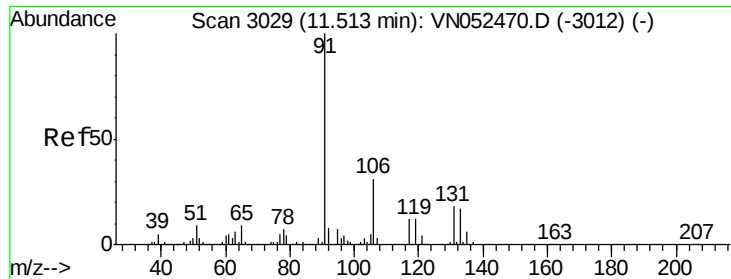
Ion Ratio Lower Upper

131 100

133 95.7 47.6 142.8

119 67.5 33.2 99.6





#67

Ethyl Benzene

Concen: 20.39 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN052486.D

Acq: 27 Nov 2018 18:33

Instrument :

MSVOA_N

ClientSampleId :

VN1127WBSD01

Tgt Ion: 91 Resp: 1060364

Ion Ratio Lower Upper

91 100

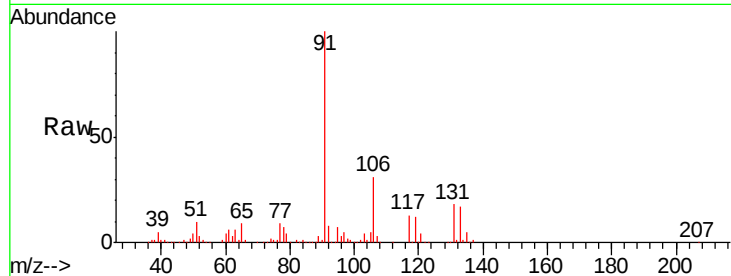
106 31.5 24.9 37.3

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN052486.D (-2936) (-)

Ion 106.00 (105.70 to 106.70): VN052486.D (-2936) (-)

800000

600000

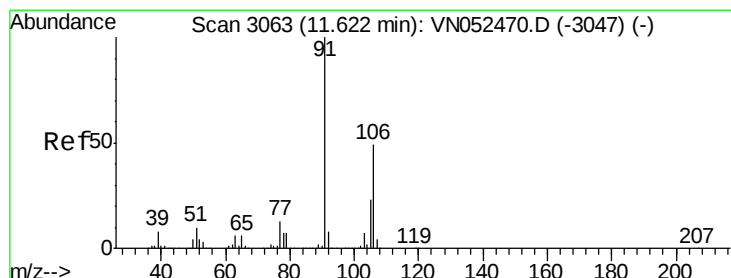
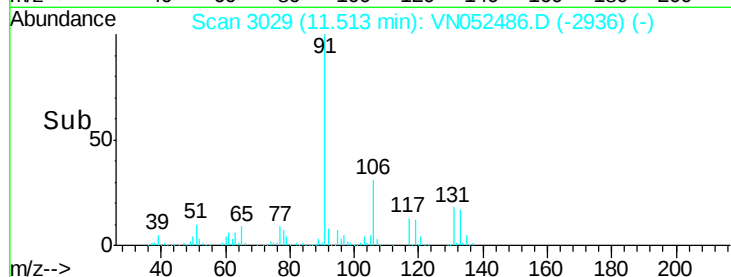
400000

200000

0

11.45 11.50 11.55 11.60

Time-->



#68

m/p-Xylenes

Concen: 40.81 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN052486.D

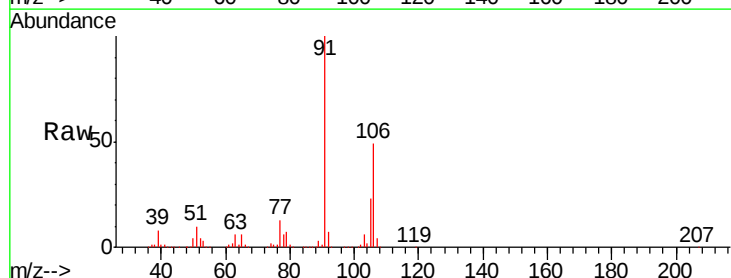
Acq: 27 Nov 2018 18:33

Tgt Ion: 106 Resp: 789844

Ion Ratio Lower Upper

106 100

91 205.2 163.2 244.8



Abundance Ion 106.00 (105.70 to 106.70): VN052486.D (-2970) (-)

Ion 91.00 (90.70 to 91.70): VN052486.D (-2970) (-)

800000

600000

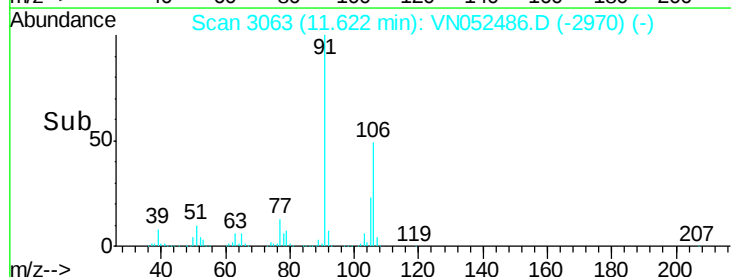
400000

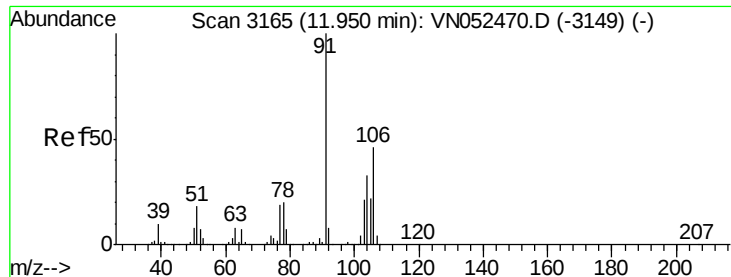
200000

0

11.60 11.62 11.64 11.66 11.68

Time-->





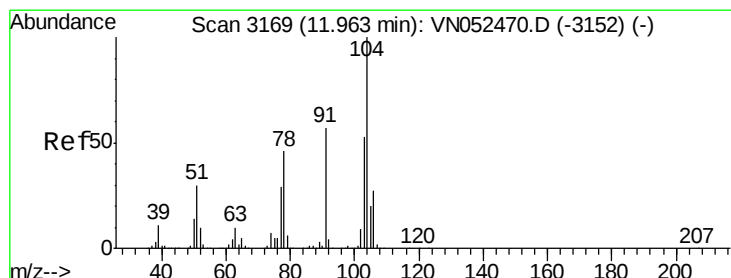
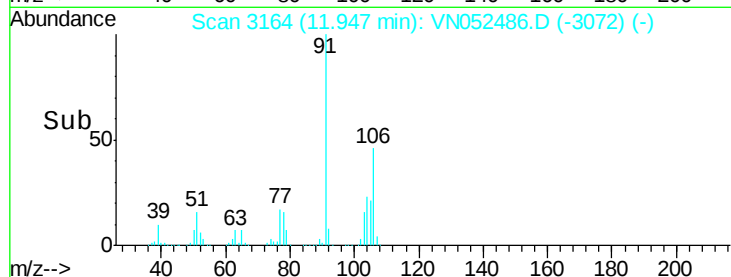
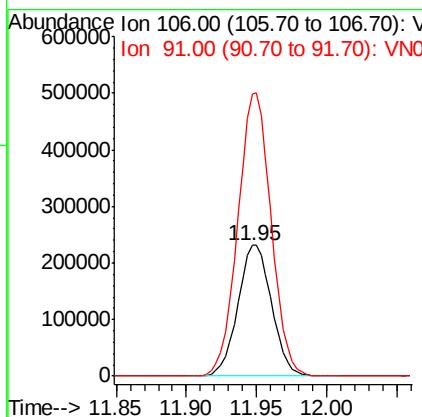
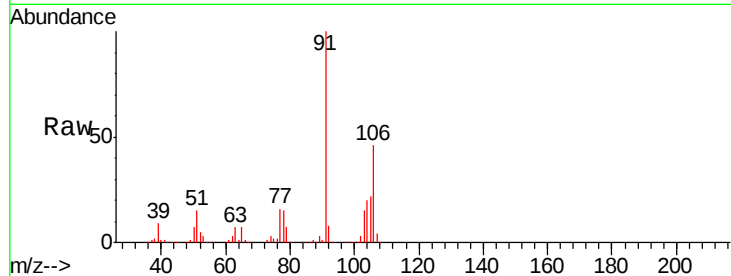
#69
o-Xylene
Concen: 20.56 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052486.D
Acq: 27 Nov 2018 18:33

Instrument :
MSVOA_N
ClientSampleId :
VN1127WBSD01

Tgt Ion:106 Resp: 386483
Ion Ratio Lower Upper
106 100
91 214.2 107.7 323.1

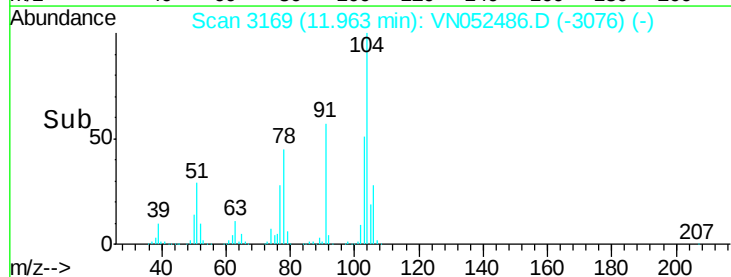
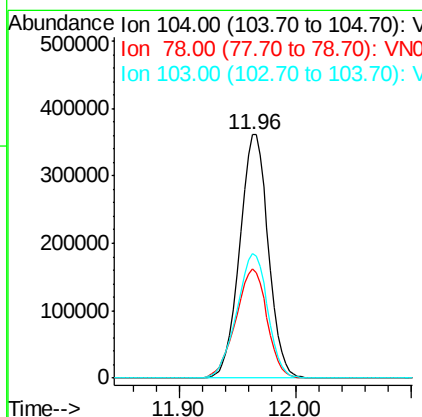
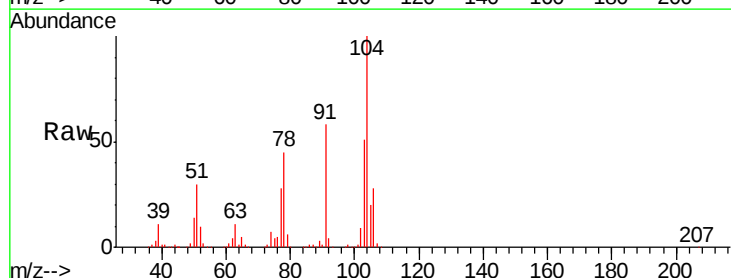
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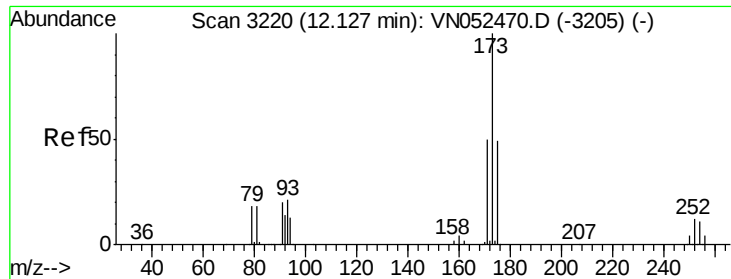
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#70
Styrene
Concen: 20.61 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052486.D
Acq: 27 Nov 2018 18:33

Tgt Ion:104 Resp: 617092
Ion Ratio Lower Upper
104 100
78 49.1 39.4 59.2
103 55.4 44.9 67.3





#71

Bromoform

Concen: 19.20 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN052486.D

Acq: 27 Nov 2018 18:33

Instrument :

MSVOA_N

ClientSampleId :

VN1127WBSD01

Tgt Ion:173 Resp: 131217

Ion Ratio Lower Upper

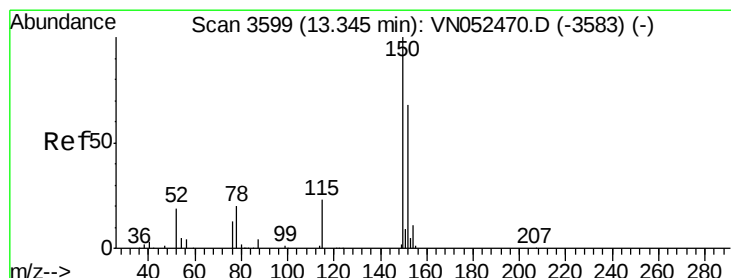
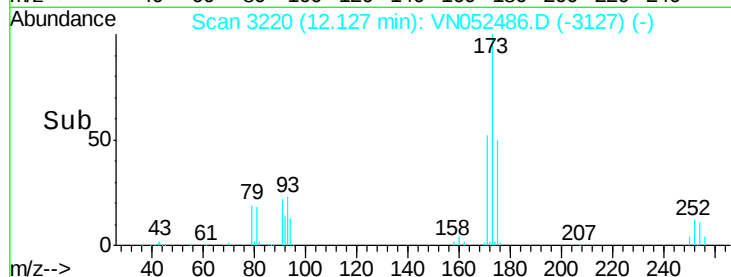
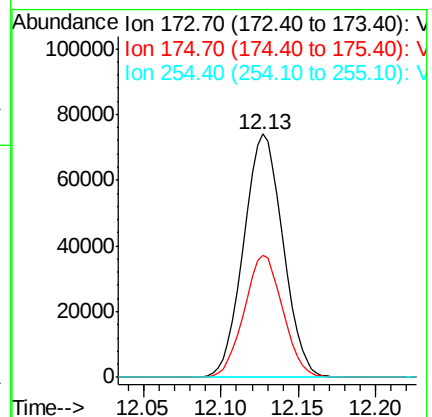
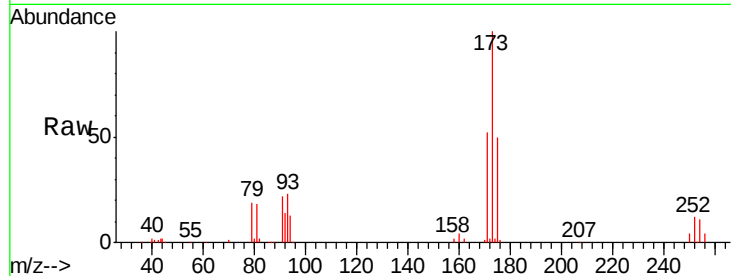
173 100

175 49.1 24.4 73.2

254 0.0 0.1 0.1#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN052486.D

Acq: 27 Nov 2018 18:33

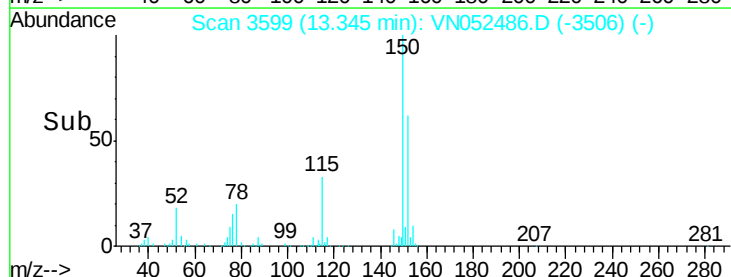
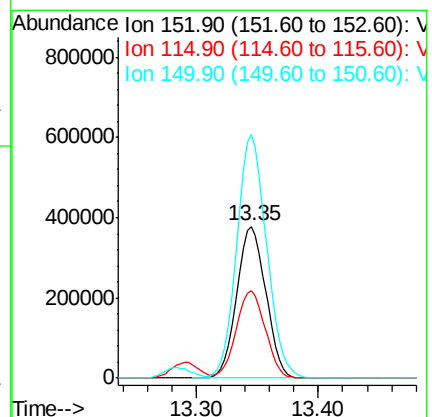
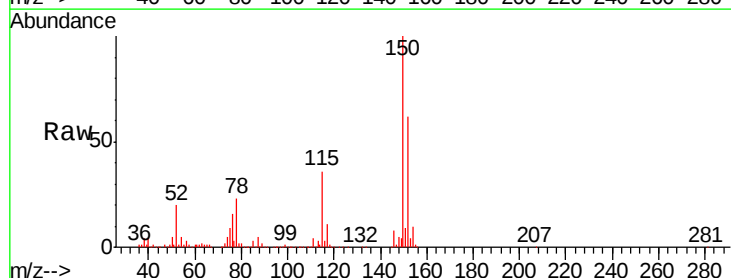
Tgt Ion:152 Resp: 626282

Ion Ratio Lower Upper

152 100

115 57.4 28.4 85.2

150 164.6 0.0 346.0





#73

Isopropylbenzene

Concen: 21.01 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052486.D

Acq: 27 Nov 2018 18:33

Instrument :

MSVOA_N

ClientSampleId :

VN1127WBSD01

Tgt Ion: 105 Resp: 1032214

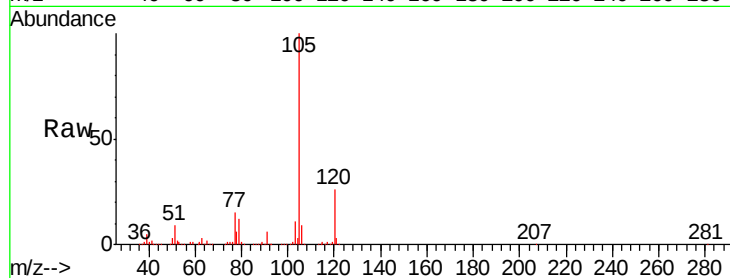
Ion Ratio Lower Upper

105 100

120 26.3 13.1 39.3

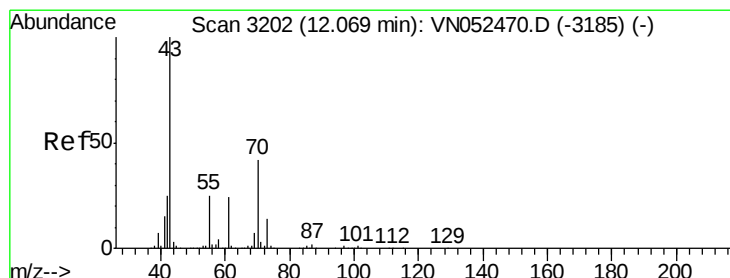
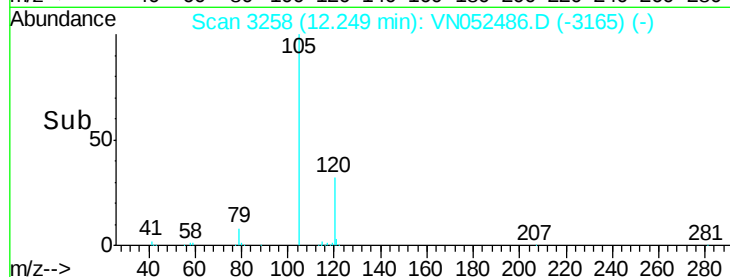
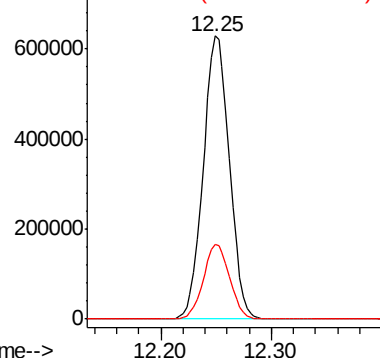
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.33 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052486.D

Acq: 27 Nov 2018 18:33

Tgt Ion: 43 Resp: 239973

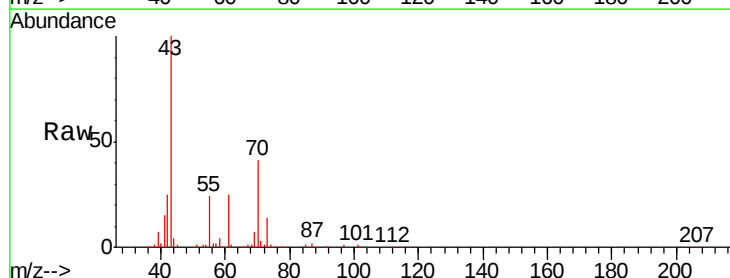
Ion Ratio Lower Upper

43 100

70 41.4 33.8 50.8

55 24.6 20.0 30.0

61 24.4 19.7 29.5

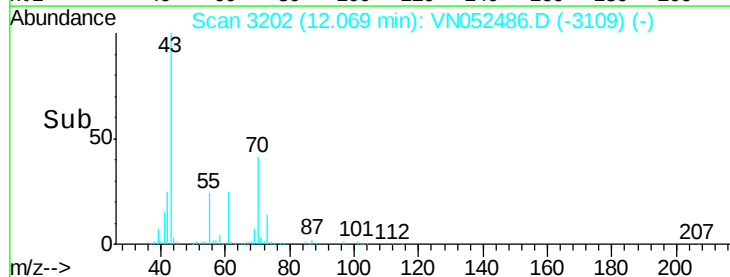
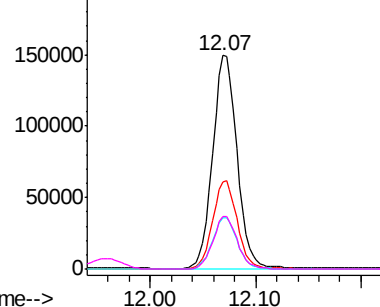


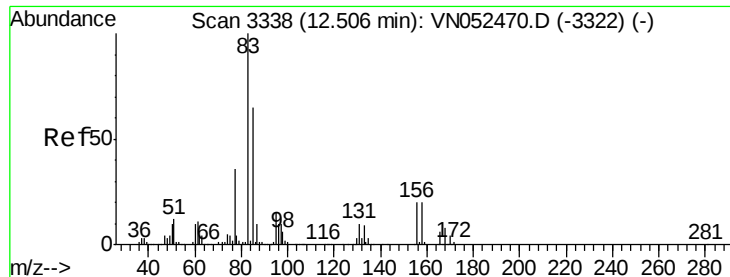
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.21 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN052486.D

Acq: 27 Nov 2018 18:33

Instrument :

MSVOA_N

ClientSampleId :

VN1127WBSD01

Tgt Ion: 83 Resp: 225859
Ion Ratio Lower Upper

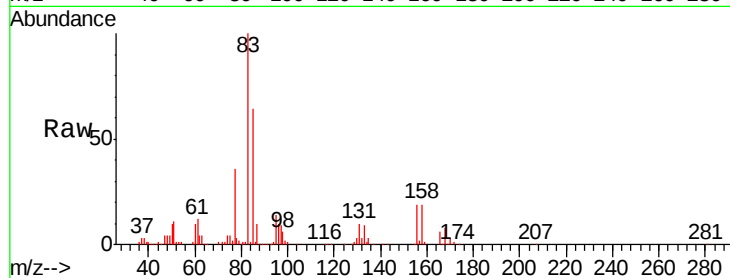
83 100

131 9.8 5.0 15.0

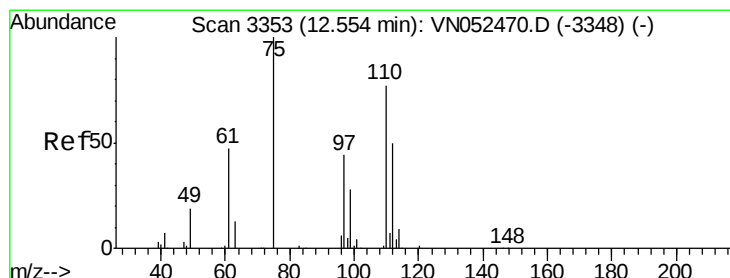
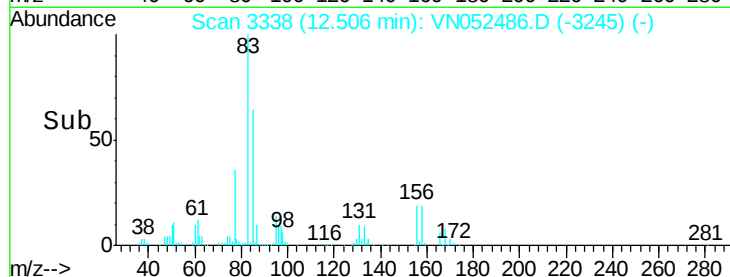
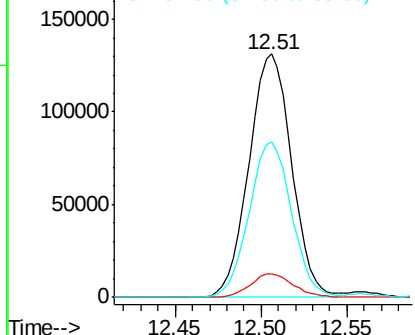
85 63.6 31.9 95.9

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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): VN
Ion 84.90 (84.60 to 85.60): VN



#76

1,2,3-Trichloropropane

Concen: 19.51 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

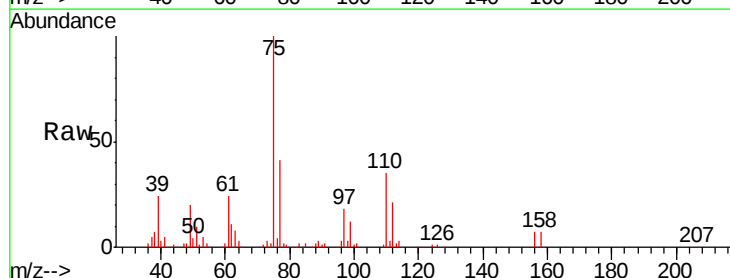
Lab File: VN052486.D

Acq: 27 Nov 2018 18:33

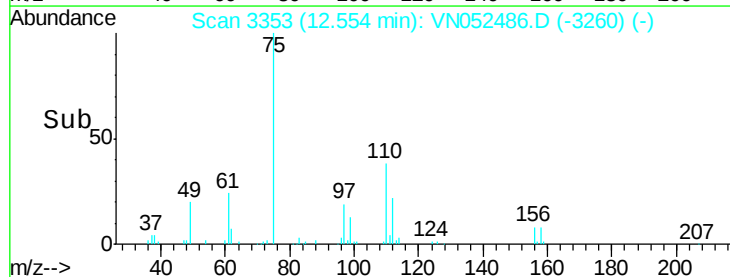
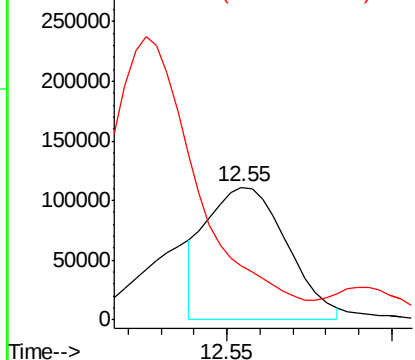
Tgt Ion: 75 Resp: 188375
Ion Ratio Lower Upper

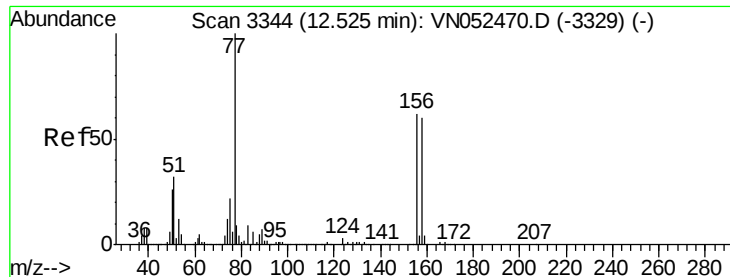
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN





#77

Bromobenzene

Concen: 20.66 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052486.D

Acq: 27 Nov 2018 18:33

Instrument :

MSVOA_N

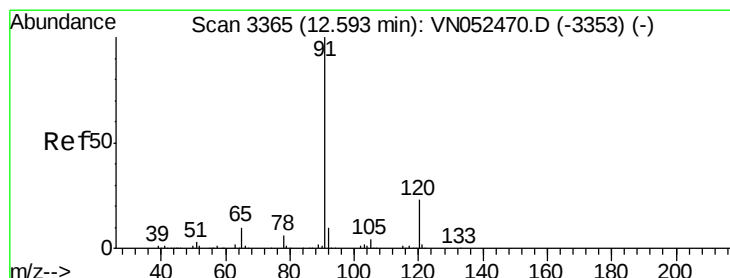
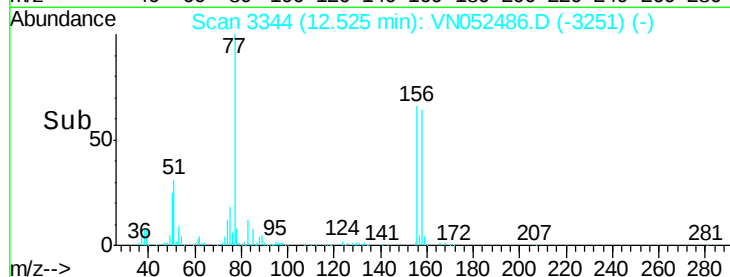
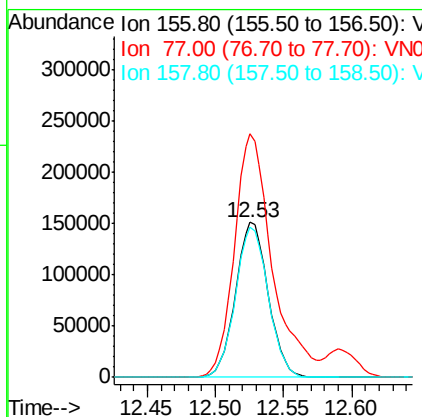
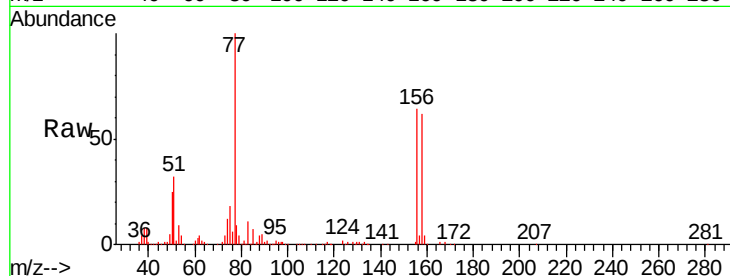
ClientSampleId :

VN1127WBSD01

Tgt Ion:	156	Resp:	250856
Ion Ratio	Lower	Upper	
156	100		
77	183.1	93.5	280.4
158	97.0	48.3	144.9

Manual Integrations
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#78

n-propylbenzene

Concen: 20.69 ug/l

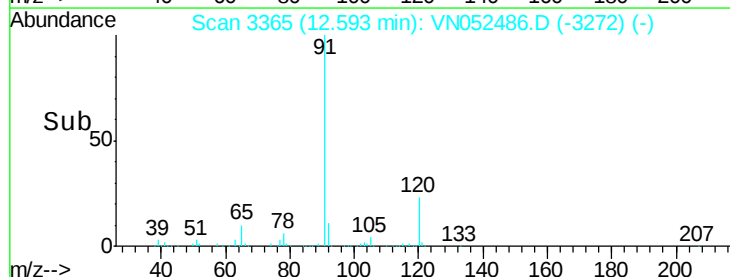
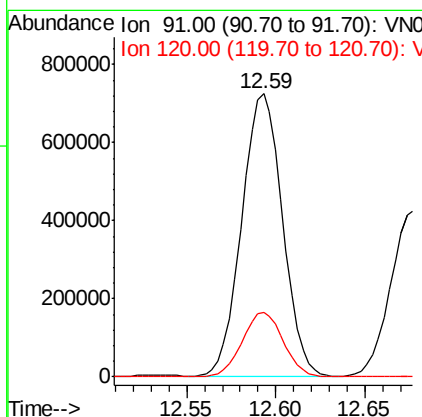
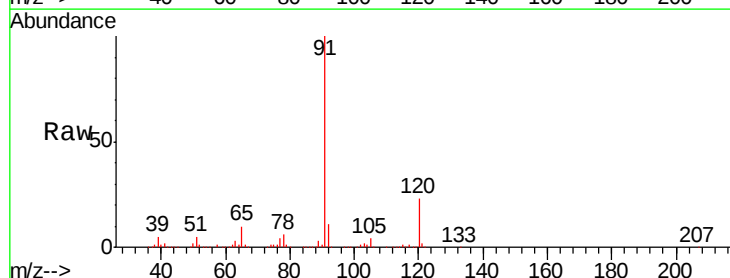
RT: 12.59 min Scan# 3365

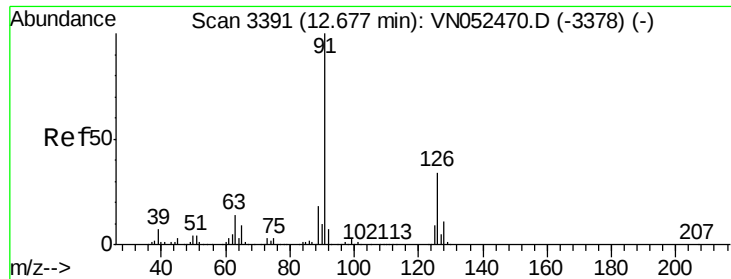
Delta R.T. 0.00 min

Lab File: VN052486.D

Acq: 27 Nov 2018 18:33

Tgt Ion:	91	Resp:	1155108
Ion Ratio	Lower	Upper	
91	100		
120	22.9	11.3	33.9





#79

2-Chlorotoluene

Concen: 20.83 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052486.D

Acq: 27 Nov 2018 18:33

Instrument :

MSVOA_N

ClientSampleId :

VN1127WBSD01

Tgt Ion: 91 Resp: 692379

Ion Ratio Lower Upper

91 100

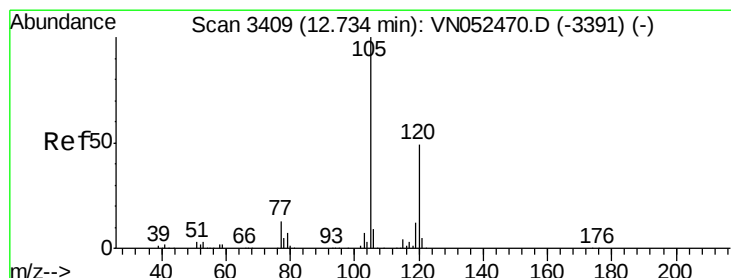
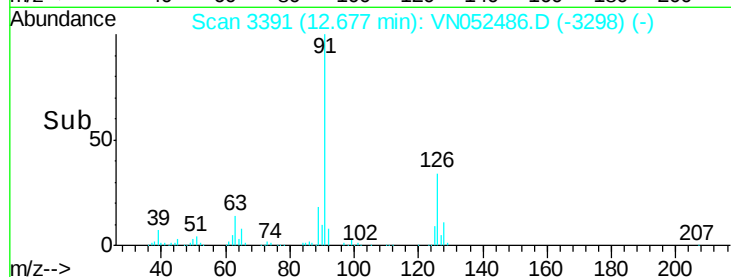
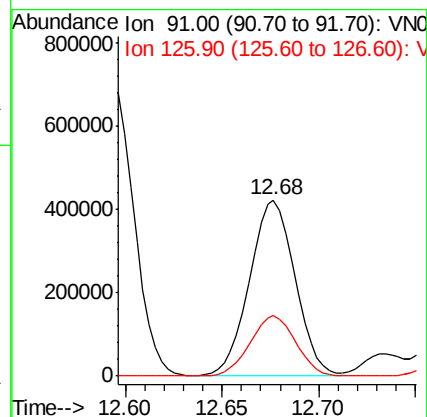
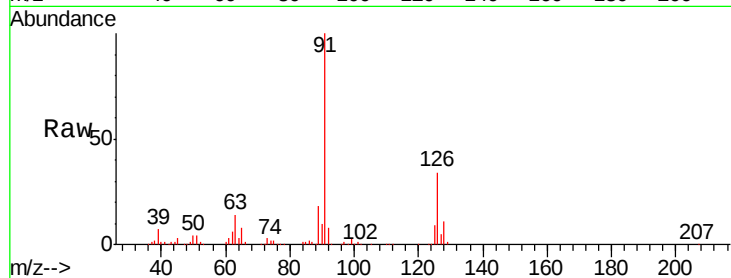
126 34.6 17.2 51.6

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.13 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052486.D

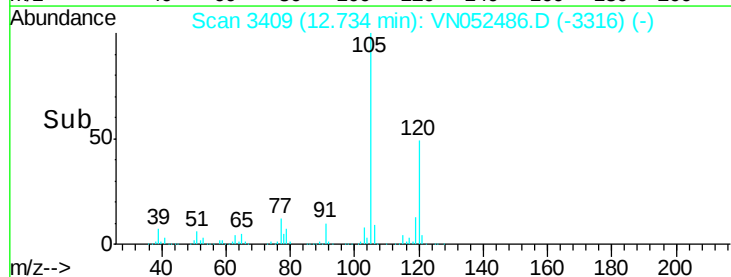
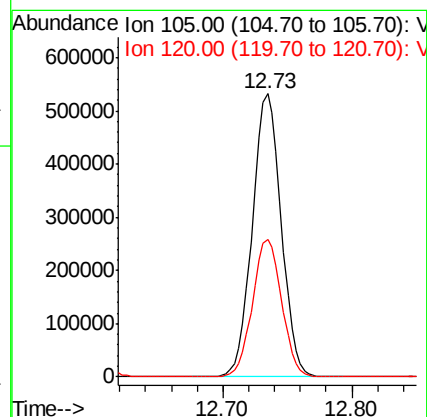
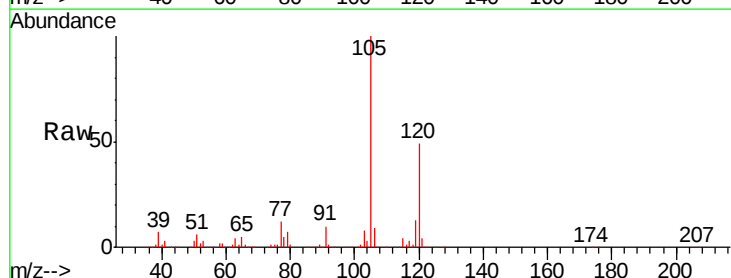
Acq: 27 Nov 2018 18:33

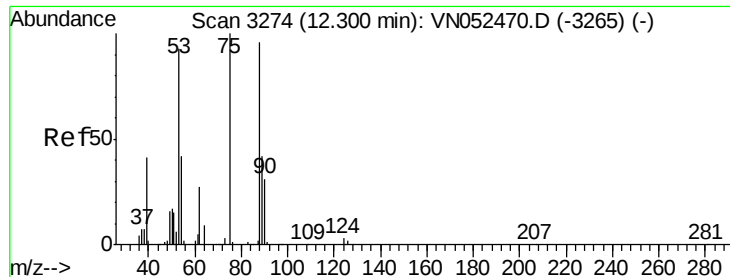
Tgt Ion: 105 Resp: 827893

Ion Ratio Lower Upper

105 100

120 49.2 24.3 73.0





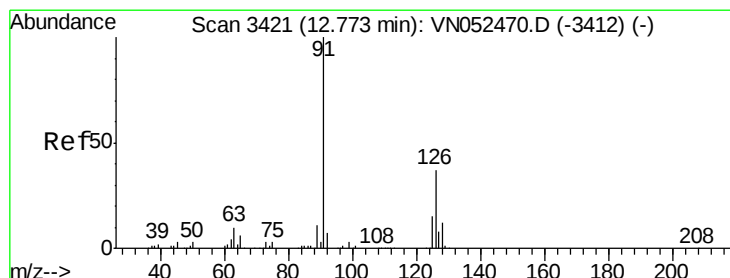
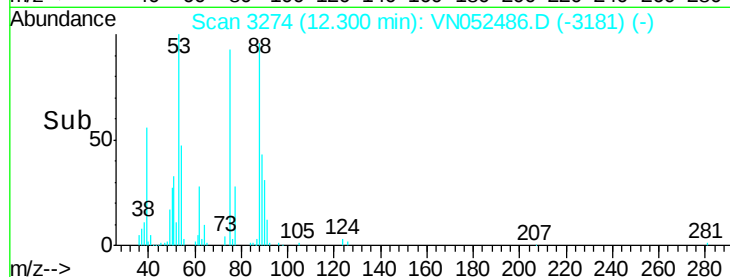
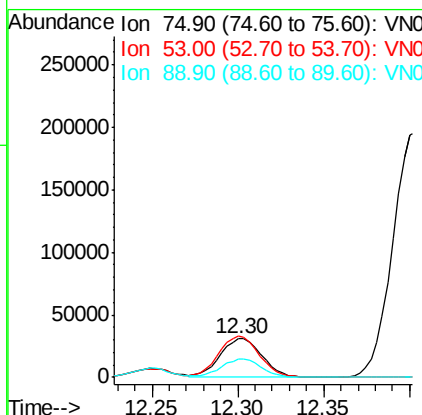
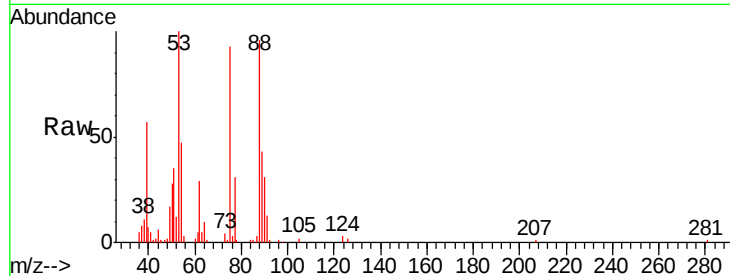
#81
trans-1,4-Dichloro-2-butene
Concen: 18.29 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN052486.D
Acq: 27 Nov 2018 18:33

Instrument :
MSVOA_N
ClientSampleId :
VN1127WBSD01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	103.9	77.4	116.0
89	44.8	35.4	53.2

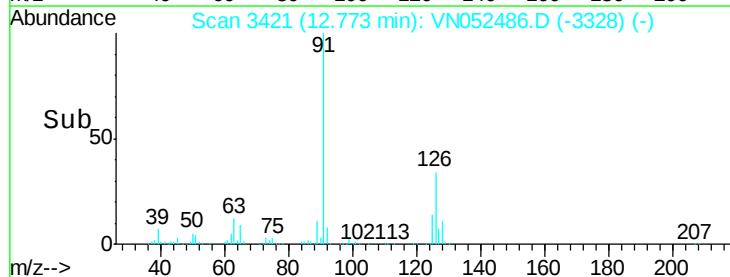
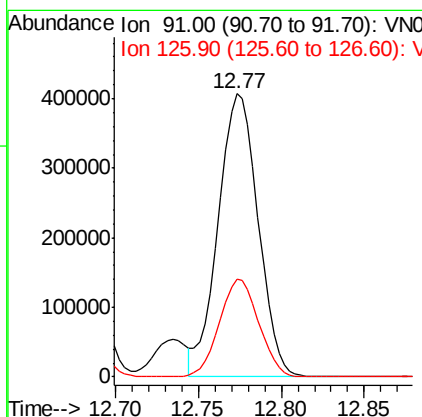
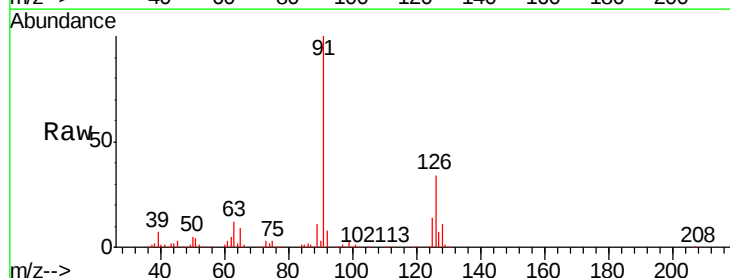
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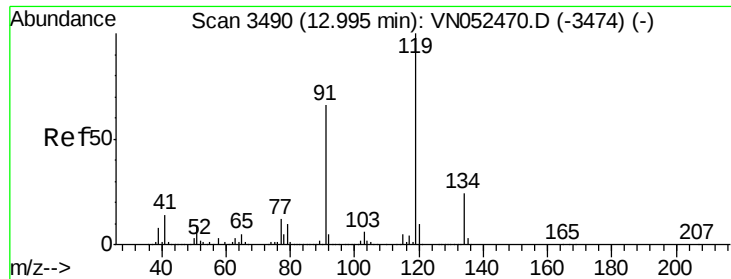
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#82
4-Chlorotoluene
Concen: 20.32 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN052486.D
Acq: 27 Nov 2018 18:33

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.2	16.9	50.6





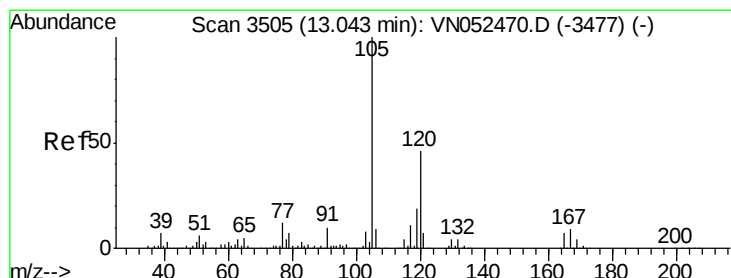
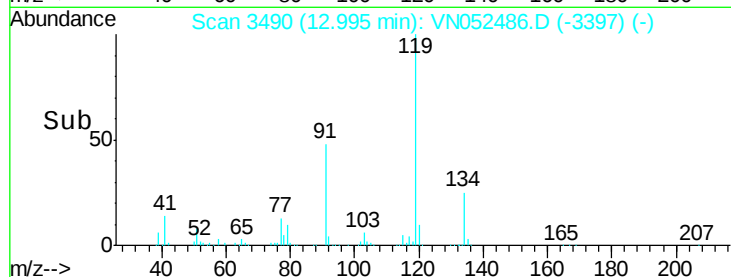
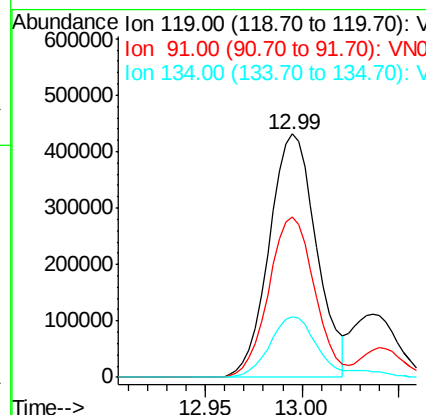
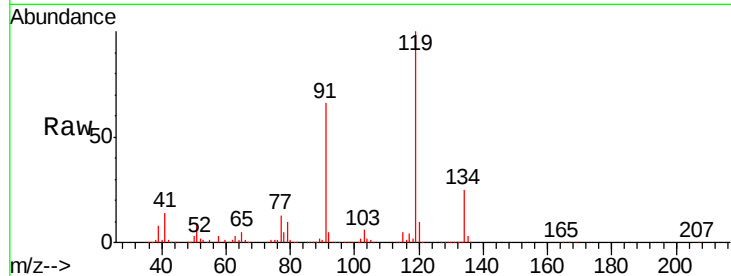
#83
 tert-Butylbenzene
 Concen: 21.01 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN052486.D
 Acq: 27 Nov 2018 18:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	733900		
91	64.4	32.3	96.9	
134	26.6	13.0	38.9	

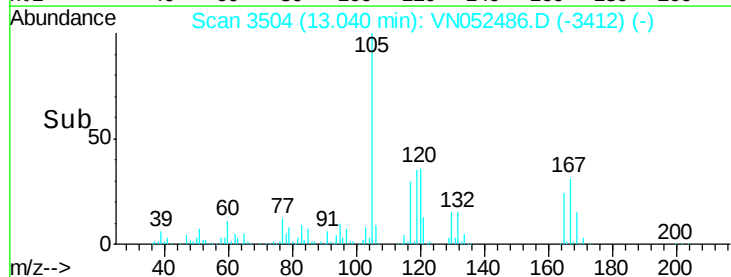
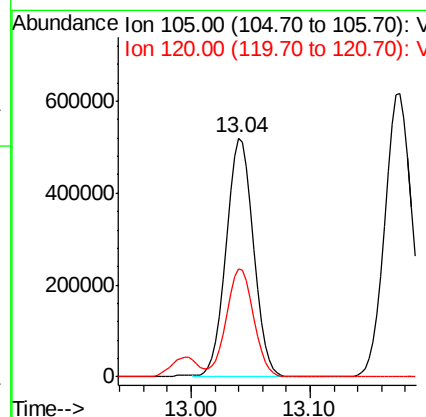
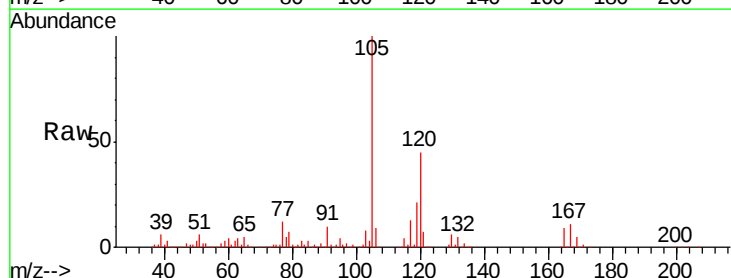
Manual Integrations
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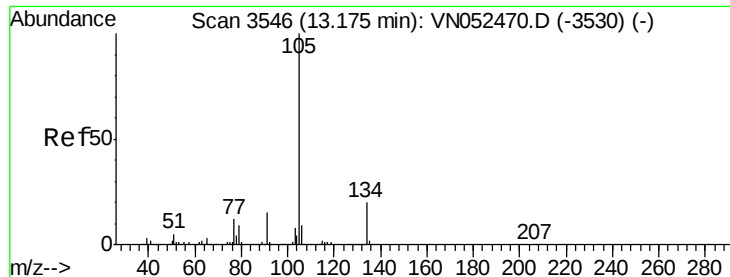
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.01 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052486.D
 Acq: 27 Nov 2018 18:33

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	824926		
120	45.2	22.8	68.4	





#85

sec-Butylbenzene

Concen: 20.67 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN052486.D

Acq: 27 Nov 2018 18:33

Instrument :

MSVOA_N

ClientSampleId :

VN1127WBSD01

Tgt Ion:105 Resp: 983366

Ion Ratio Lower Upper

105 100

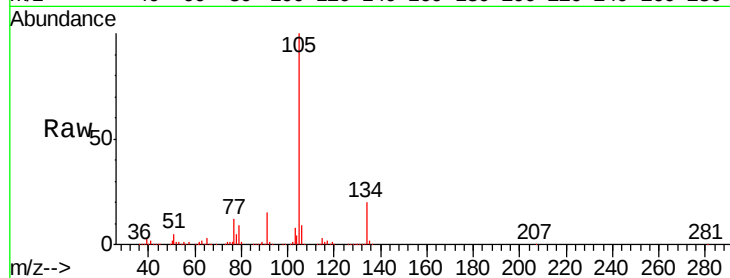
134 20.2 9.9 29.7

Manual Integrations

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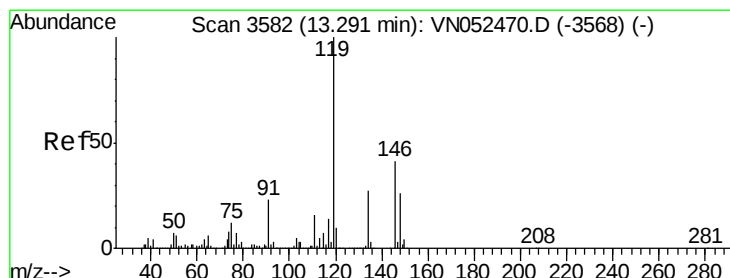
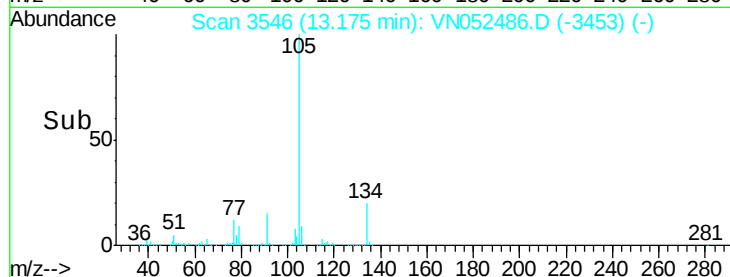
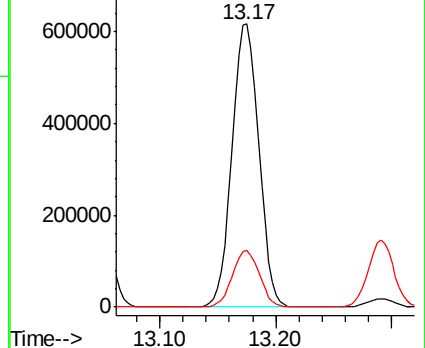
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.55 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN052486.D

Acq: 27 Nov 2018 18:33

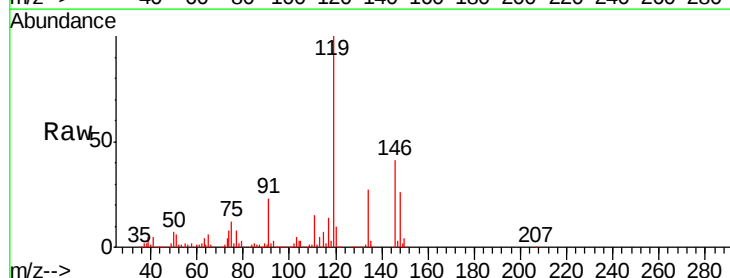
Tgt Ion:119 Resp: 833067

Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.2

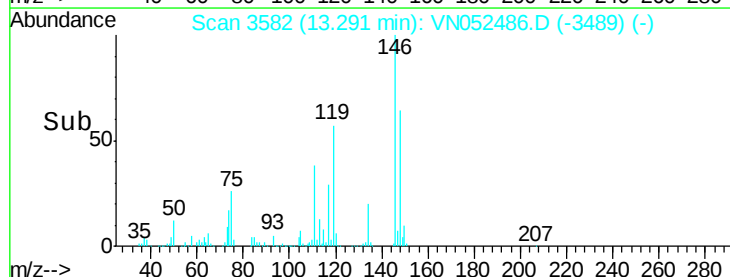
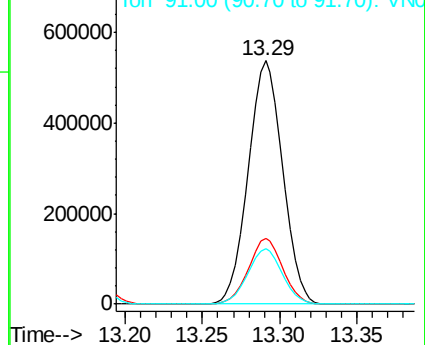
91 22.8 11.4 34.2

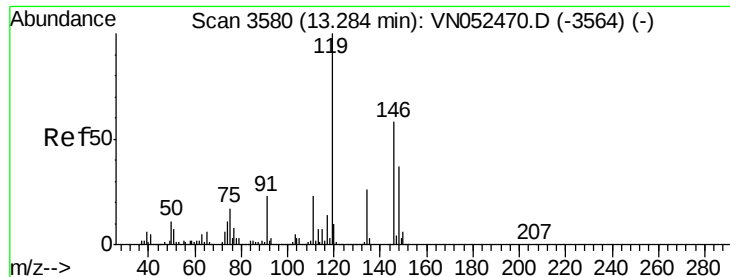


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.18 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN052486.D

Acq: 27 Nov 2018 18:33

Instrument :

MSVOA_N

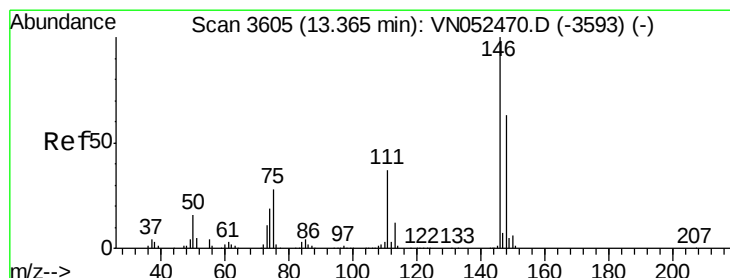
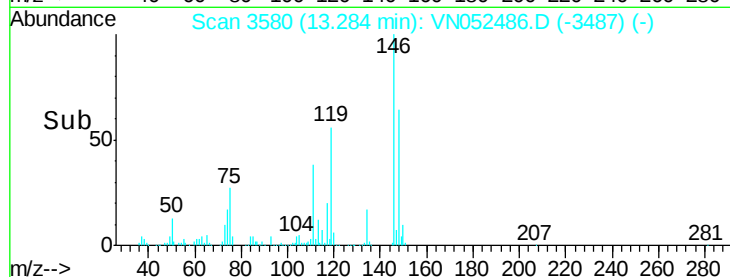
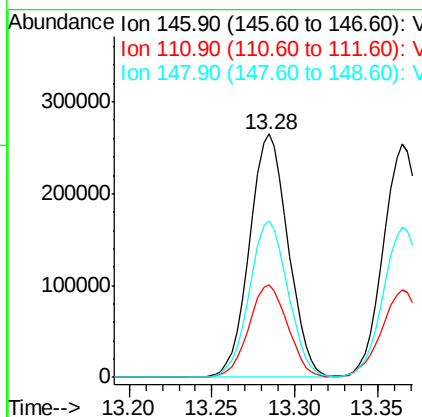
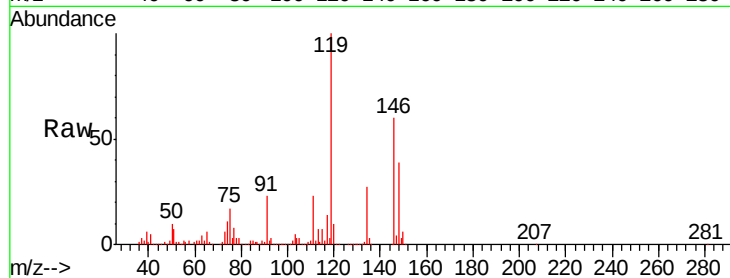
ClientSampleId :

VN1127WBSD01

Tgt Ion:	146	Resp:	428784
Ion Ratio	Lower	Upper	
146	100		
111	38.2	19.4	58.4
148	64.5	31.8	95.4

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.88 ug/l

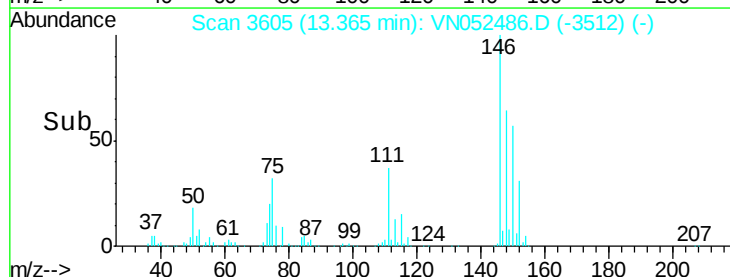
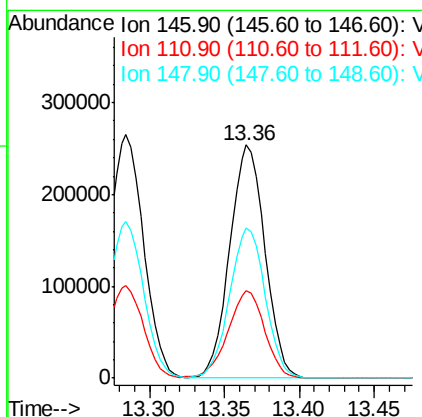
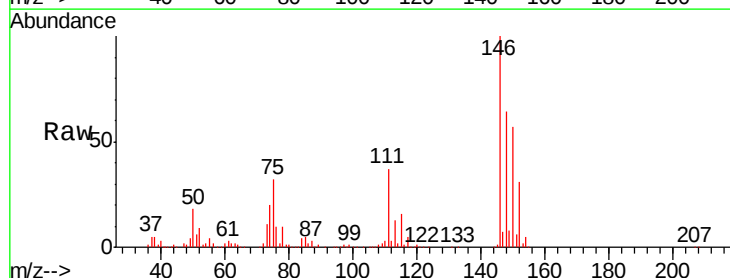
RT: 13.36 min Scan# 3605

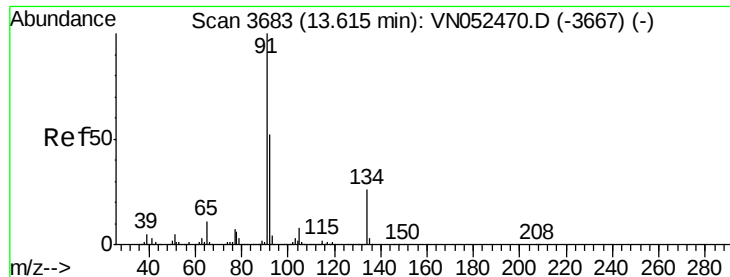
Delta R.T. 0.00 min

Lab File: VN052486.D

Acq: 27 Nov 2018 18:33

Tgt Ion:	146	Resp:	415977
Ion Ratio	Lower	Upper	
146	100		
111	39.1	18.6	56.0
148	65.1	31.9	95.9





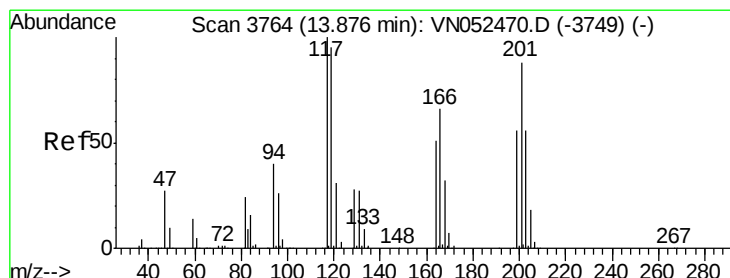
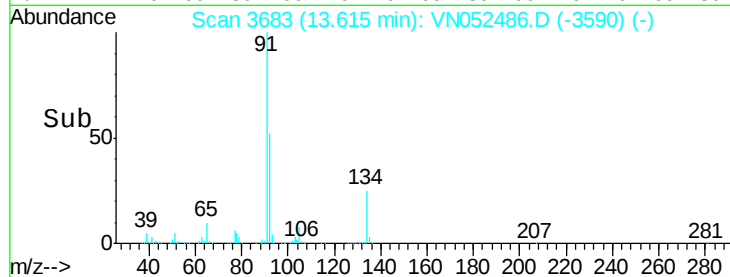
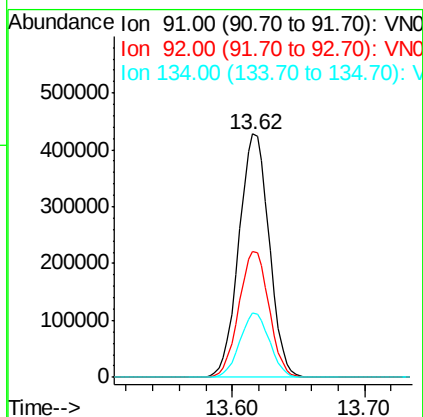
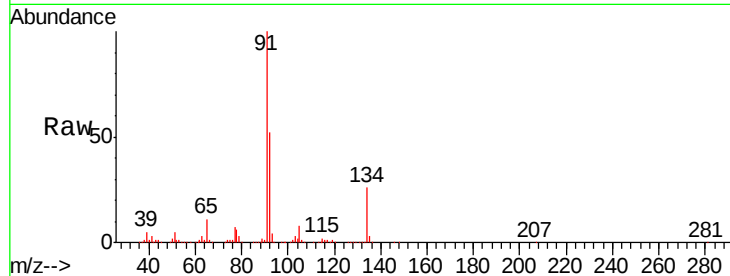
#89
n-Butylbenzene
Concen: 20.06 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN052486.D
Acq: 27 Nov 2018 18:33

Instrument :
MSVOA_N
ClientSampleId :
VN1127WBSD01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.5	26.1	78.3
134	26.0	13.0	38.9

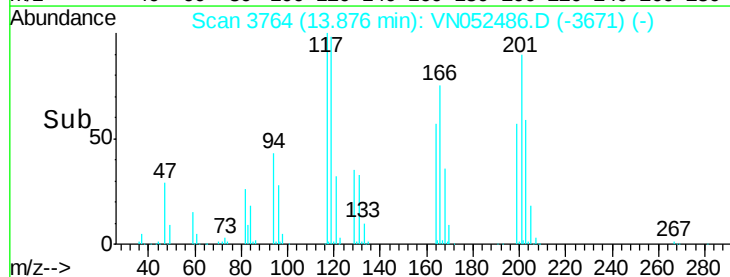
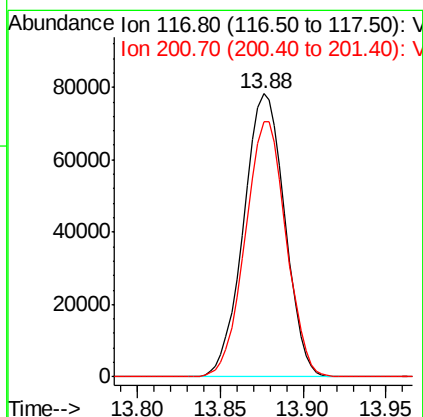
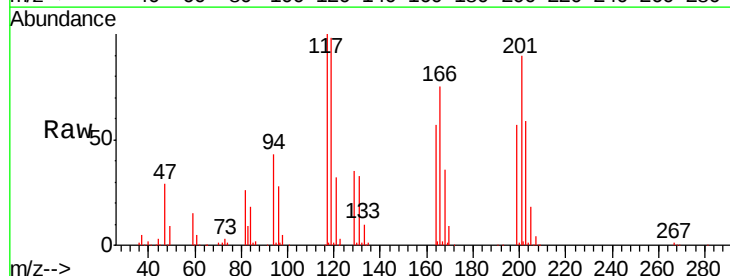
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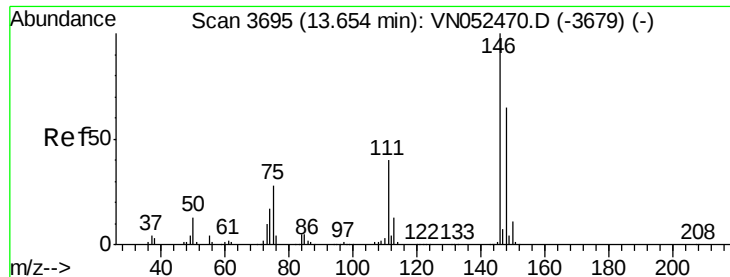
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#90
Hexachloroethane
Concen: 19.68 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN052486.D
Acq: 27 Nov 2018 18:33

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.5	43.6	130.9





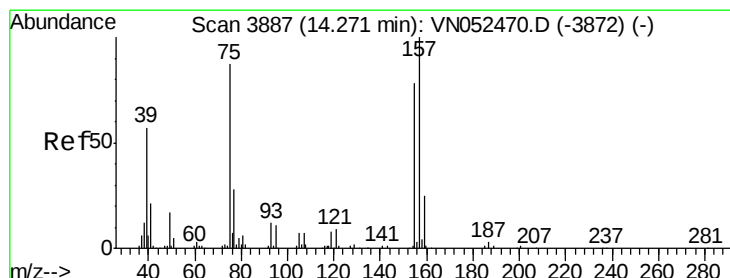
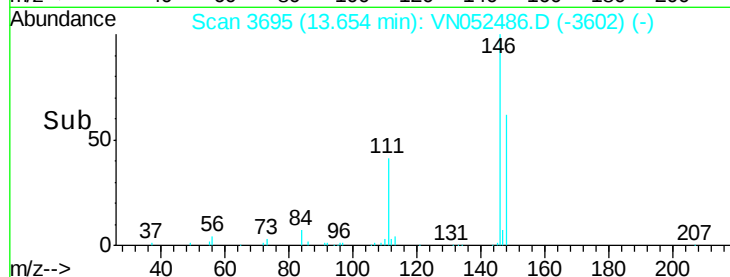
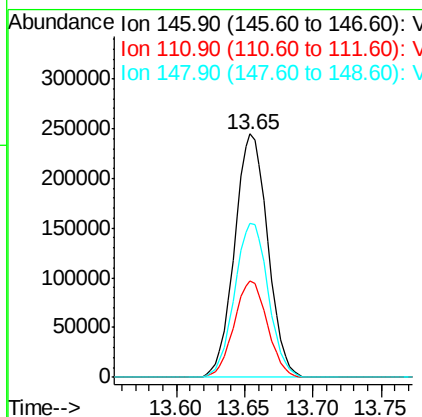
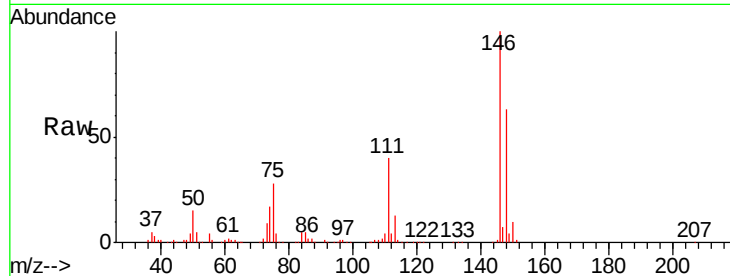
#91
 1,2-Dichlorobenzene
 Concen: 20.30 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052486.D
 Acq: 27 Nov 2018 18:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127WBSD01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.0	60.0
148	64.5	32.0	96.2

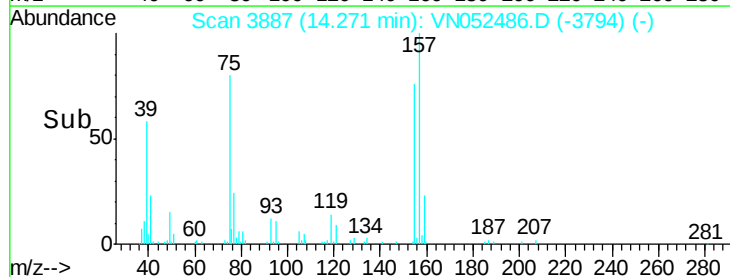
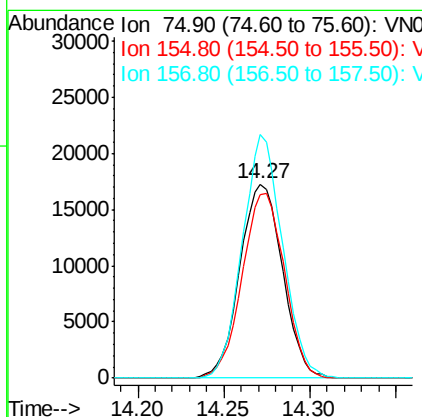
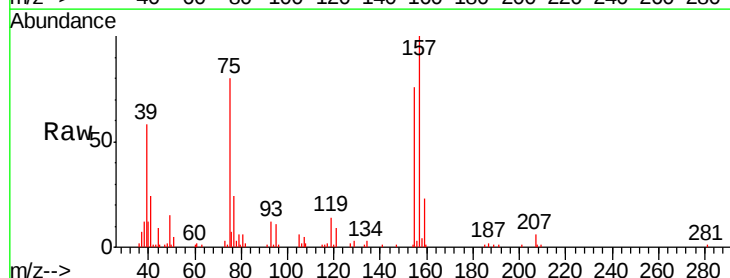
Manual Integrations
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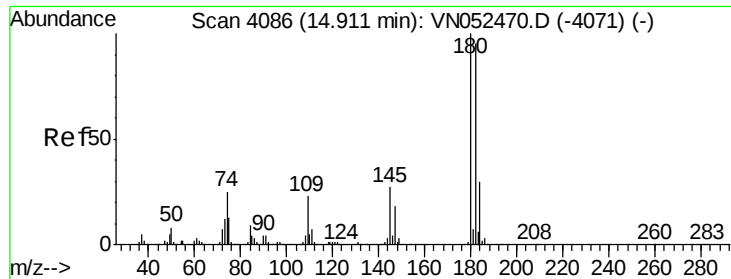
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.67 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052486.D
 Acq: 27 Nov 2018 18:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.3	45.3	135.9
157	117.9	58.1	174.2





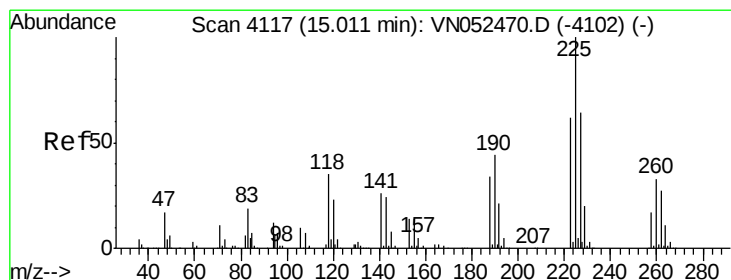
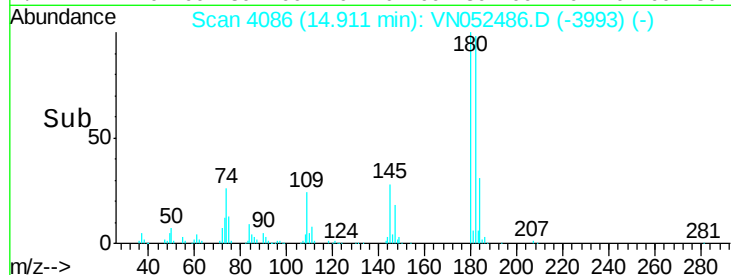
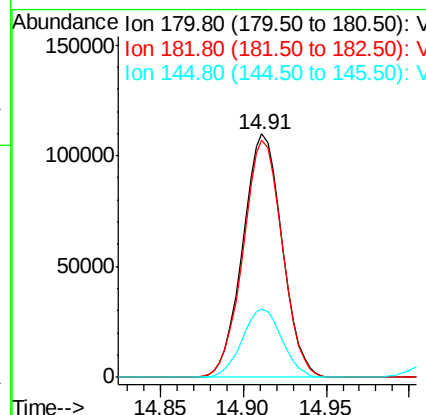
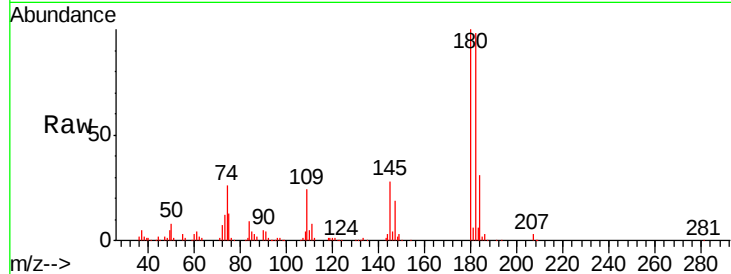
#93
 1,2,4-Trichlorobenzene
 Concen: 18.21 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052486.D
 Acq: 27 Nov 2018 18:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1127WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	181316		
182	96.9	47.8	143.4	
145	28.4	14.1	42.3	

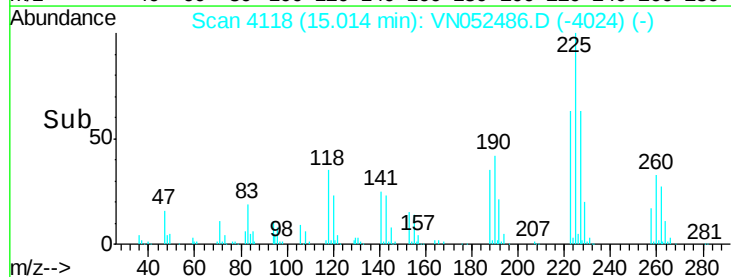
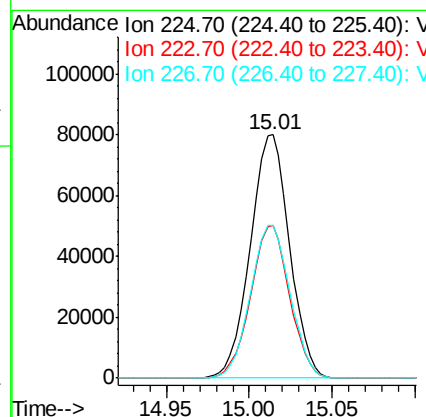
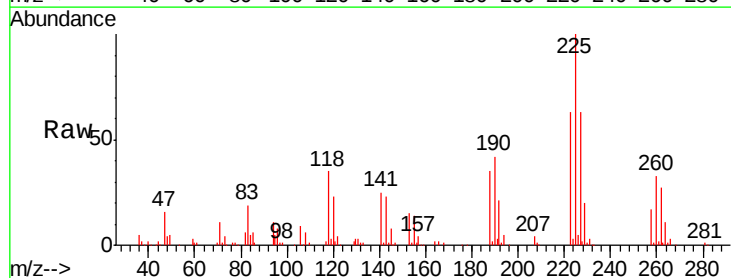
Manual Integrations
 APPROVED

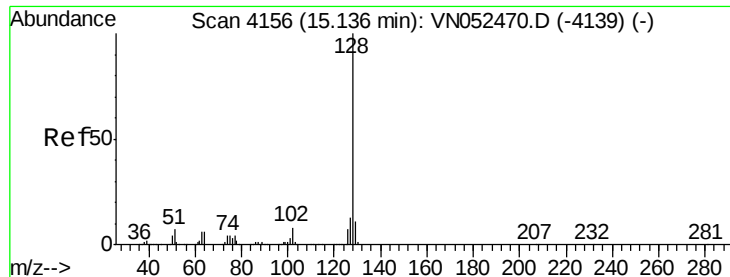
MMDadoda
 11/28/2018 9:34:03 AM



#94
 Hexachlorobutadiene
 Concen: 20.16 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN052486.D
 Acq: 27 Nov 2018 18:33

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	131623		
223	62.2	31.4	94.2	
227	63.3	32.5	97.4	





#95

Naphthalene

Concen: 17.64 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN052486.D

Acq: 27 Nov 2018 18:33

Instrument :

MSVOA_N

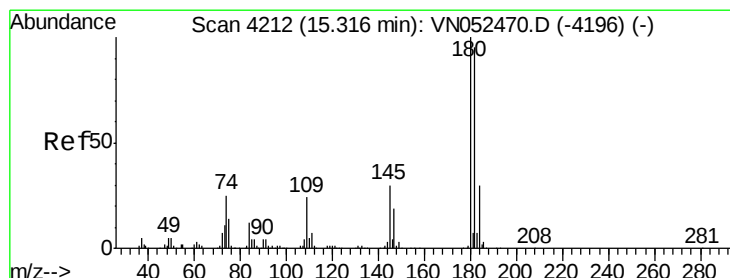
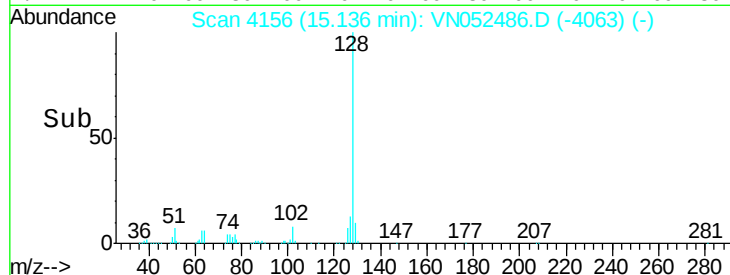
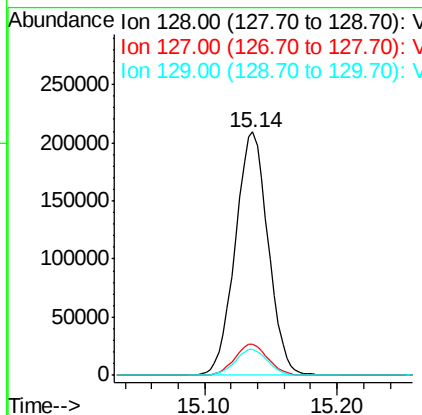
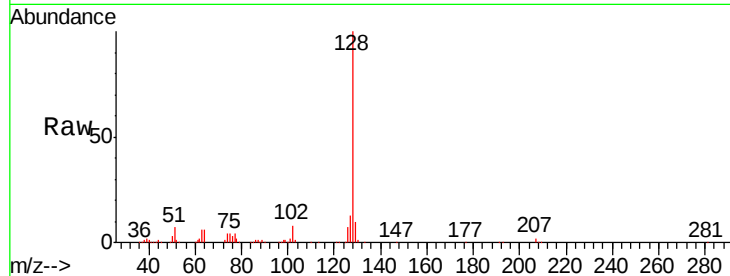
ClientSampleId :

VN1127WBSD01

Tgt Ion:	128	Resp:	359848
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.2	15.2
129	10.6	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/28/2018 9:34:03 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.51 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN052486.D

Acq: 27 Nov 2018 18:33

Tgt Ion:	180	Resp:	170605
Ion Ratio	Lower	Upper	
180	100		
182	95.0	47.8	143.3
145	30.4	15.2	45.5

