LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081922\
Data File : VN074026.D
Acq On : 19 Aug 2022 14:59
Operator : JC\MD
Sample : N4246-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
220817015-02-VOA

Integration Parameters: RTEINT3.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N072722W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

Signal : TIC: VN074026.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.222	386	397	416	rBV	144599	502944	4.84%	1.925%
2	5.287	557	578	604	rBV	1303745	4598070	44.21%	17.597%
3	7.239	896	910	947	rBV	3587466	10400811	100.00%	39.805%
4	7.610	959	973	993	rBV2	1049552	2995401	28.80%	11.464%
5	8.375	1093	1103	1112	rBV2	248580	651260	6.26%	2.492%
6	8.469	1112	1119	1127	rVB	78310	184119	1.77%	0.705%
7	8.904	1184	1193	1205	rVV	407513	824715	7.93%	3.156%
8	10.380	1436	1444	1451	rVV	757037	1379246	13.26%	5.278%
9	10.998	1539	1549	1558	rBV	78048	168303	1.62%	0.644%
10	11.686	1657	1666	1676	rBV	546871	1032911	9.93%	3.953%
11	11.786	1676	1683	1692	rVB3	78852	197160	1.90%	0.755%
12	11.892	1692	1701	1707	rBV	142254	295872	2.84%	1.132%
13	12.116	1733	1739	1745	rBV	66498	113942	1.10%	0.436%
14	12.221	1750	1757	1762	rVV	124883	208097	2.00%	0.796%
15	12.668	1827	1833	1843	rVV	518174	915042	8.80%	3.502%
16	13.015	1884	1892	1899	rBV5	48745	120985	1.16%	0.463%
17	13.310	1931	1942	1948	rBV	73237	156471	1.50%	0.599%
18	13.433	1955	1963	1969	rBV2	94307	175915	1.69%	0.673%
19	13.639	1993	1998	2003	rBV2	89276	157258	1.51%	0.602%
20	13.815	2023	2028	2033	rBV	68343	120036	1.15%	0.459%
21	14.080	2066	2073	2082	rVB9	44649	113103	1.09%	0.433%
22	14.498	2131	2144	2151	rBV	336714	697666	6.71%	2.670%
23	14.845	2198	2203	2213	rBV6	56259	120394	1.16%	0.461%

Sum of corrected areas: 26129721

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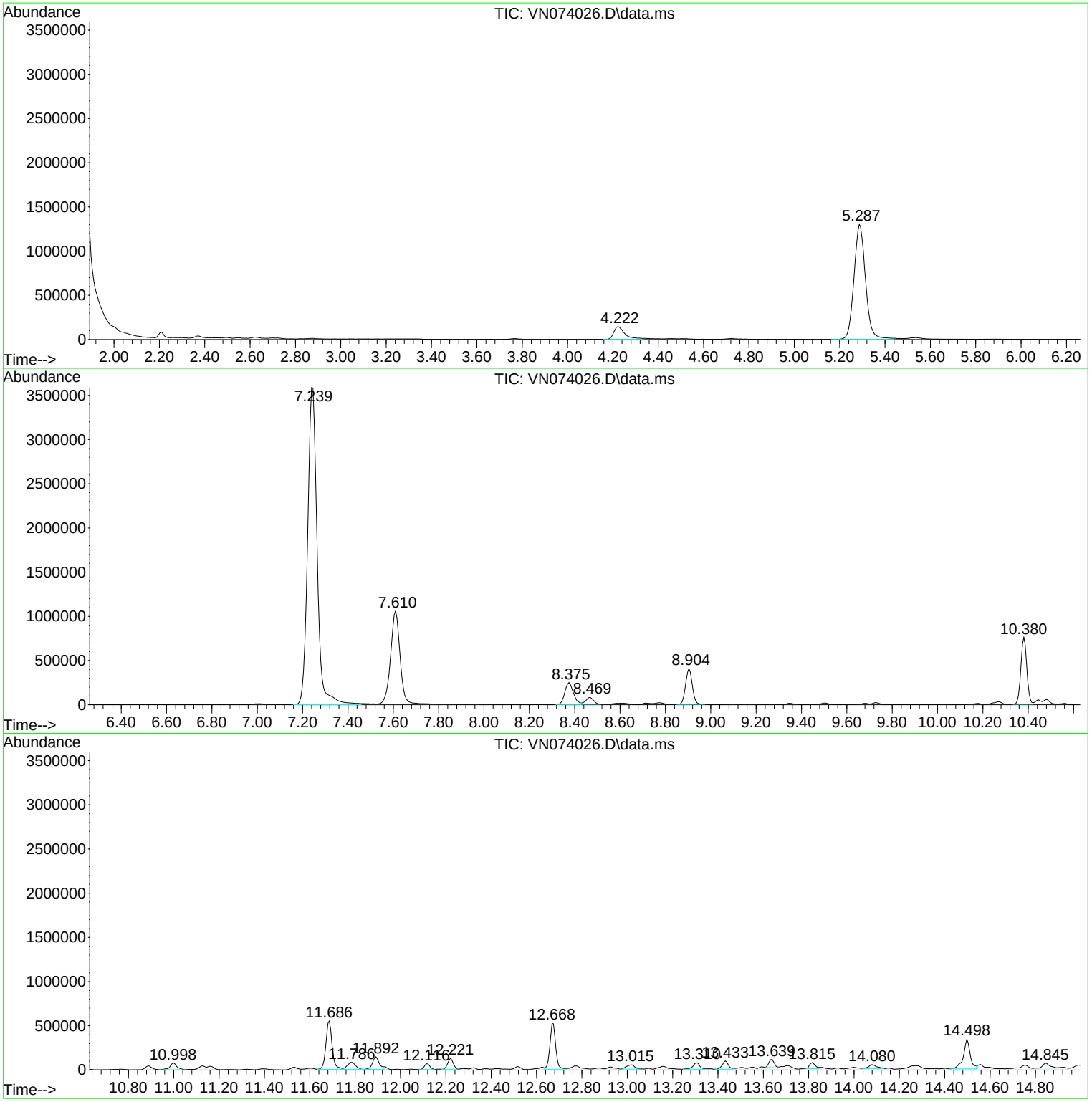
Sample : N4246-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
220817015-02-VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N072722W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



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Data File : VN074026.D
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Operator : JC\MD
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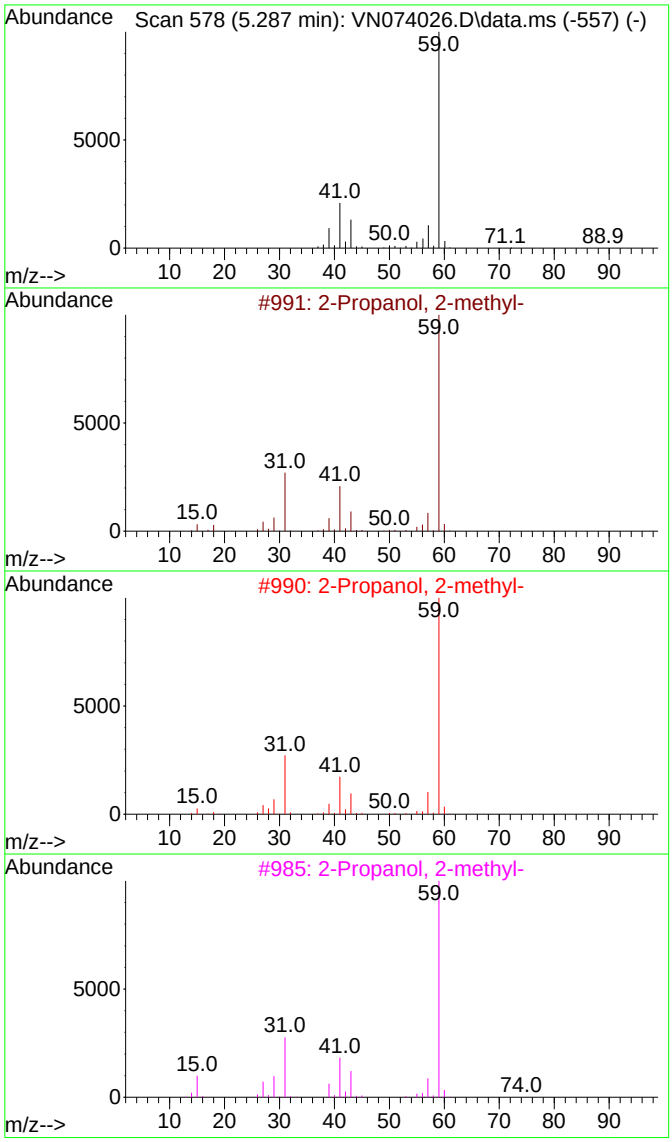
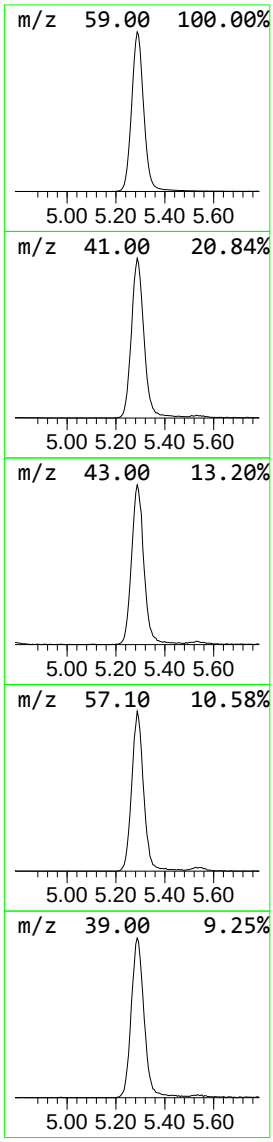
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Propanol, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.287	46.05 ug/l	4598070	Bromochloromethane	7.586

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 2-methyl-	74	C4H10O	000075-65-0	72
2	2-Propanol, 2-methyl-	74	C4H10O	000075-65-0	56
3	2-Propanol, 2-methyl-	74	C4H10O	000075-65-0	40
4	3-Pentanol	88	C5H12O	000584-02-1	9
5	2-Propanol, 2-methyl-	74	C4H10O	000075-65-0	9





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Data File : VN074026.D
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Operator : JC\MD
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ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
220817015-02-VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N072722W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

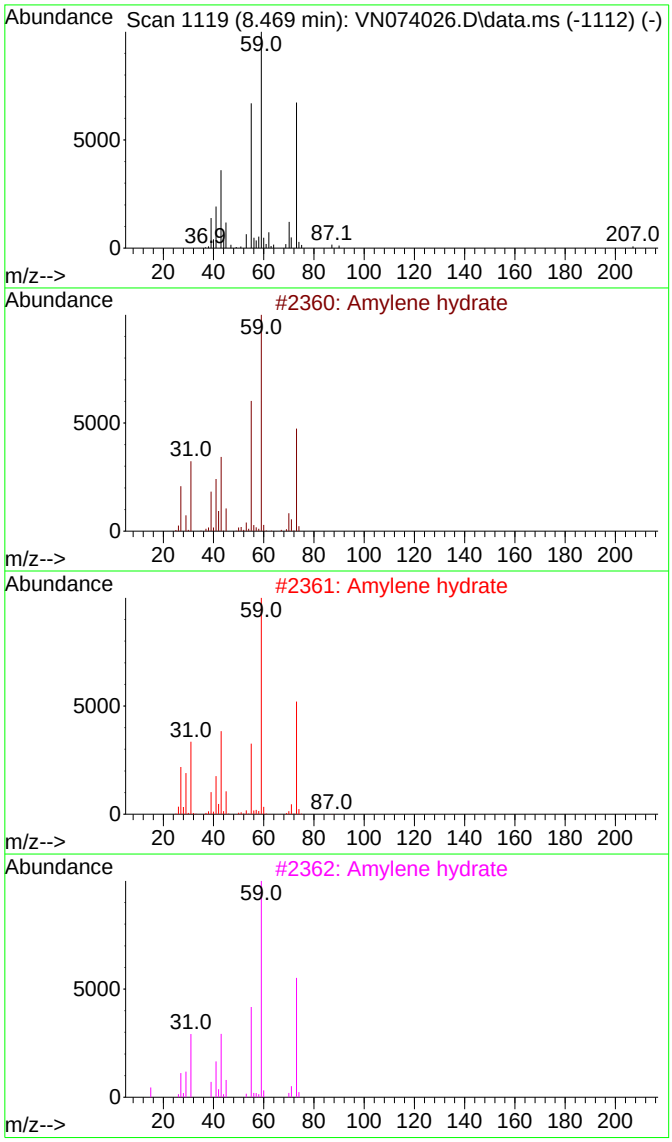
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

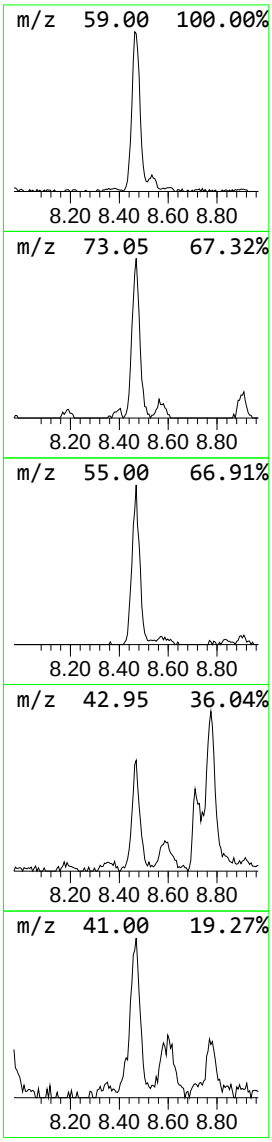
****

Peak Number 2 Amylene hydrate Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.469	6.70 ug/l	184119	1,4-Difluorobenzene	8.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Amylene hydrate	88	C5H12O	000075-85-4	78
2	Amylene hydrate	88	C5H12O	000075-85-4	64
3	Amylene hydrate	88	C5H12O	000075-85-4	56
4	1-Propanol, 2-methoxy-	90	C4H10O2	001589-47-5	53
5	Methyltrioxitol, TBDMS derivative	278	C13H30O4Si	1000352-09-5	50





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Data File : VN074026.D
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Operator : JC\MD
Sample : N4246-01
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ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
220817015-02-VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N072722W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

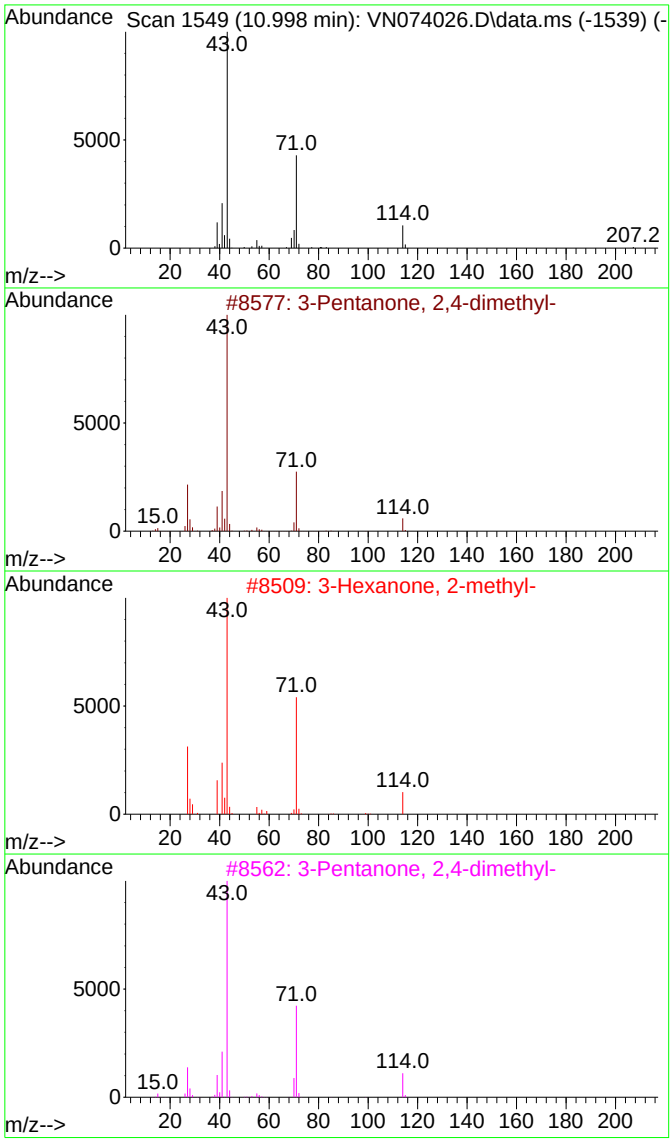
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

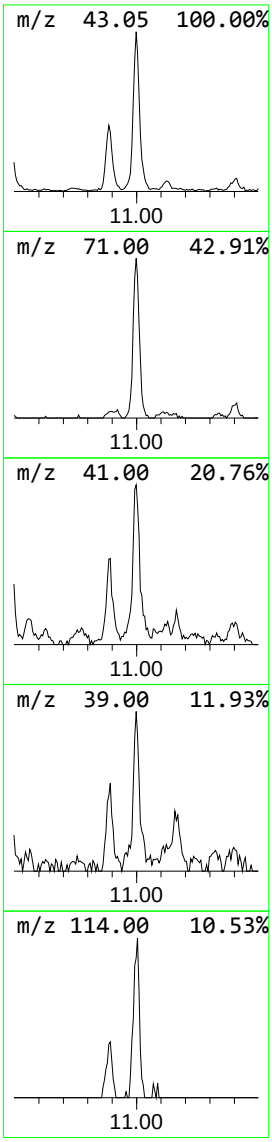
****

Peak Number 3 3-Pentanone, 2,4-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.998	4.89 ug/l	168303	Chlorobenzene-d5	11.686

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Pentanone, 2,4-dimethyl-	114	C7H14O	000565-80-0	86
2	3-Hexanone, 2-methyl-	114	C7H14O	007379-12-6	86
3	3-Pentanone, 2,4-dimethyl-	114	C7H14O	000565-80-0	80
4	3-Pentanone, 2,4-dimethyl-	114	C7H14O	000565-80-0	72
5	3-Pentanone, 2,4-dimethyl-	114	C7H14O	000565-80-0	72





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Operator : JC\MD
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ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
220817015-02-VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N072722W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\Database\NIST20.L
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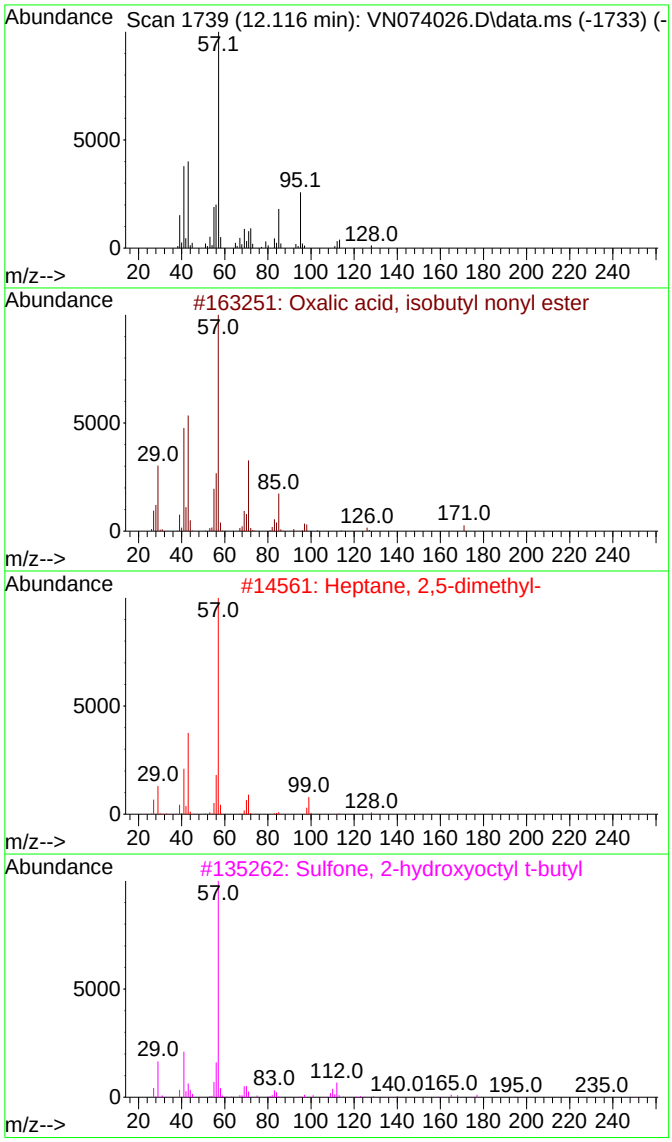
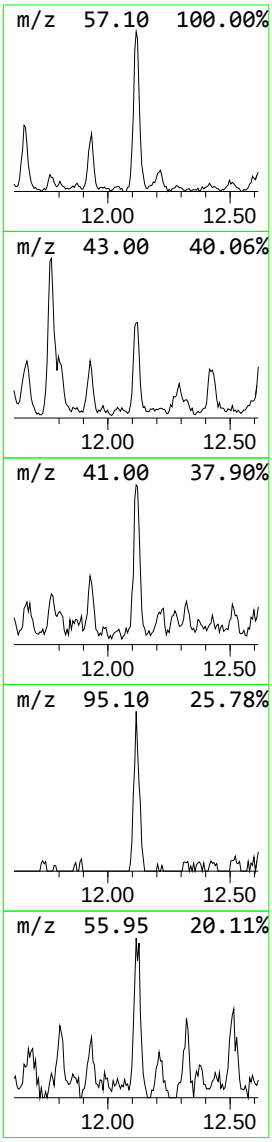
****

Peak Number 4 unknown12.116 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.116	3.31 ug/l	113942	Chlorobenzene-d5	11.686

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxalic acid, isobutyl nonyl ester	272	C15H28O4	1010309-37-4	37
2	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	35
3	Sulfone, 2-hydroxyoctyl t-butyl	250	C12H26O3S	1000161-82-7	35
4	Hexane, 2,2,3,3-tetramethyl-	142	C10H22	013475-81-5	23
5	2-Ethylhexyl nitrate	175	C8H17NO3	027247-96-7	22





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081922\
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Instrument :
MSVOA_N
ClientSampleId :
220817015-02-VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N072722W.M
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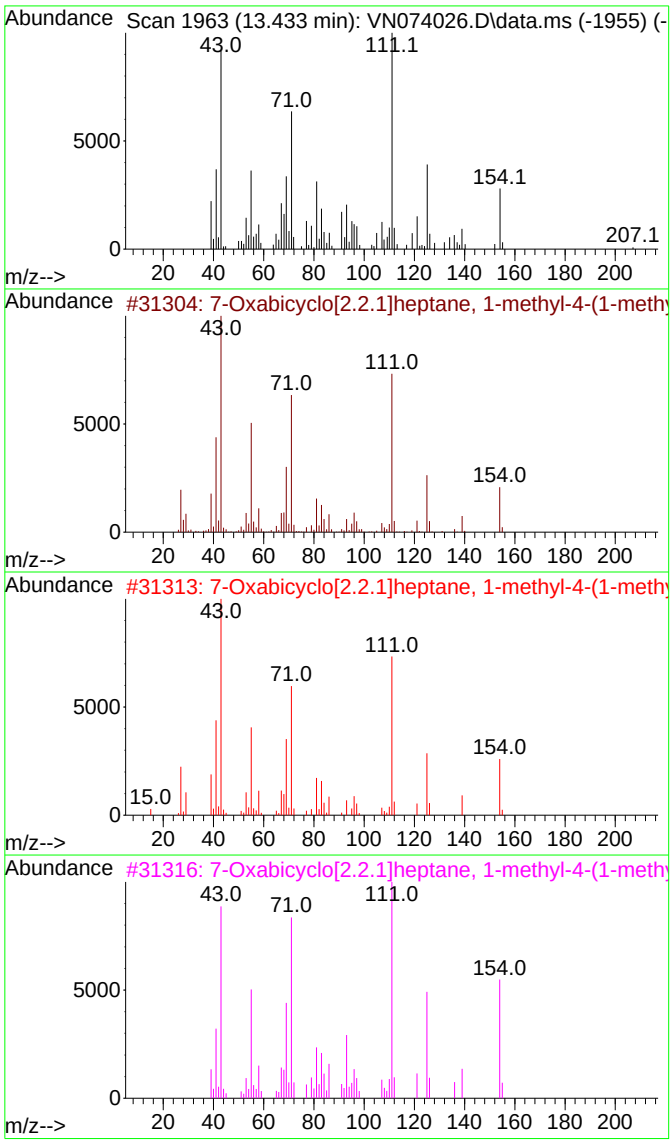
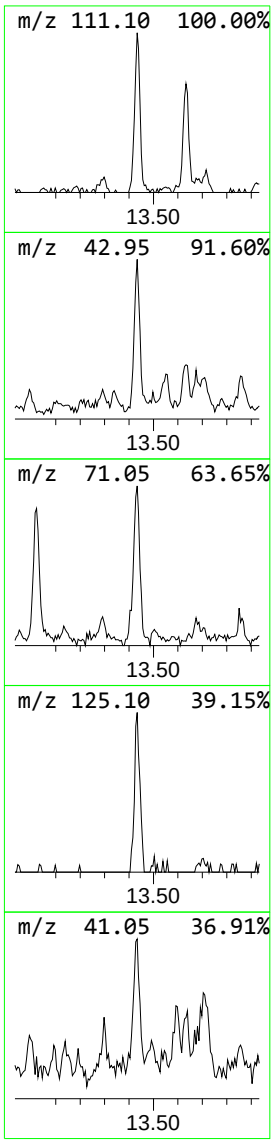
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 7-Oxabicyclo[2.2.1]heptane,... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.433	5.11 ug/l	175915	Chlorobenzene-d5	11.686

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Oxabicyclo[2.2.1]heptane, 1-me...	154	C10H18O	000470-67-7	87
2	7-Oxabicyclo[2.2.1]heptane, 1-me...	154	C10H18O	000470-67-7	87
3	7-Oxabicyclo[2.2.1]heptane, 1-me...	154	C10H18O	000470-67-7	86
4	7-Oxabicyclo[2.2.1]heptane, 1-me...	154	C10H18O	000470-67-7	76
5	7-Oxabicyclo[2.2.1]heptane, 1-me...	154	C10H18O	000470-67-7	70





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TIC Library : C:\Database\NIST20.L
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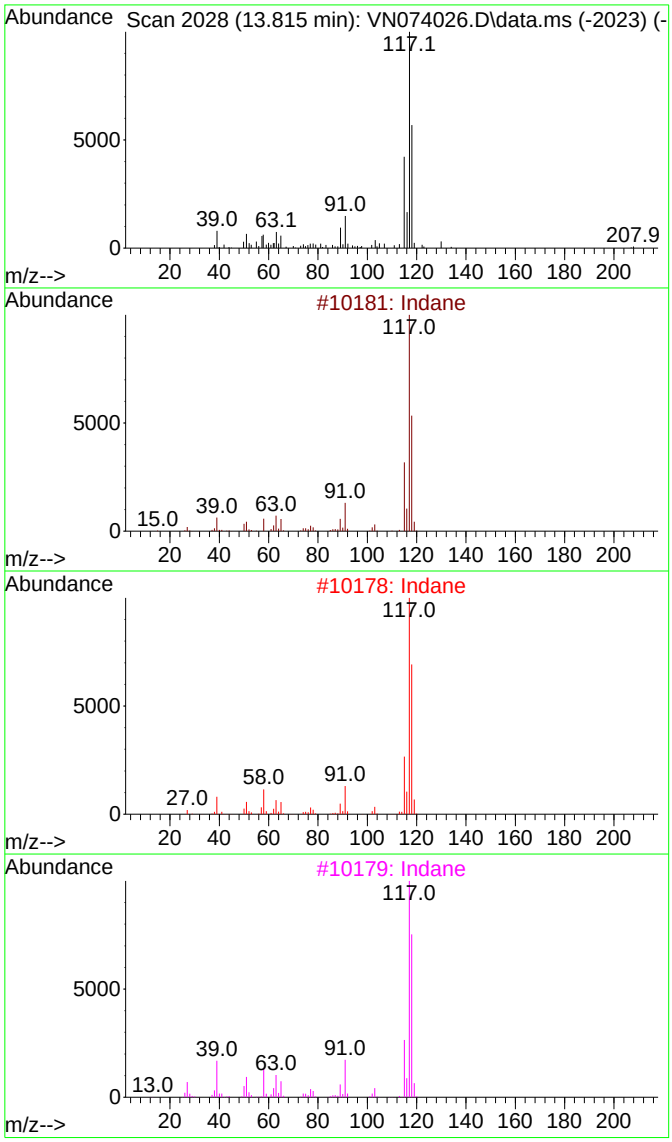
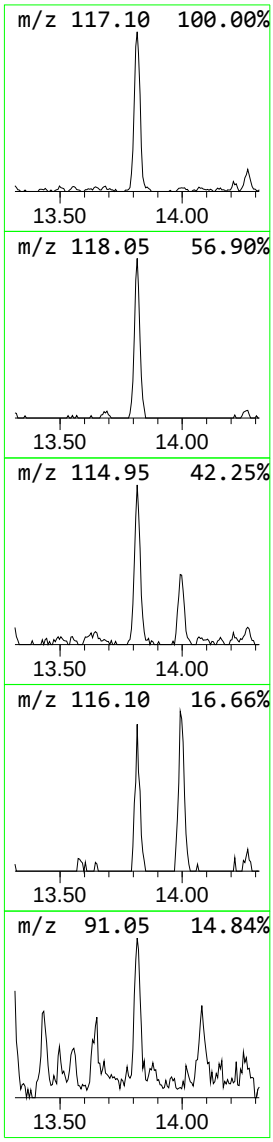
****

Peak Number 6 Indane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.815	3.49 ug/l	120036	Chlorobenzene-d5	11.686

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	76
2	Indane	118	C9H10	000496-11-7	76
3	Indane	118	C9H10	000496-11-7	62
4	Benzene, (3-chloro-1-propenyl)-	152	C9H9Cl	002687-12-9	59
5	Benzene, 1-(chloromethyl)-3-ethe...	152	C9H9Cl	039833-65-3	59





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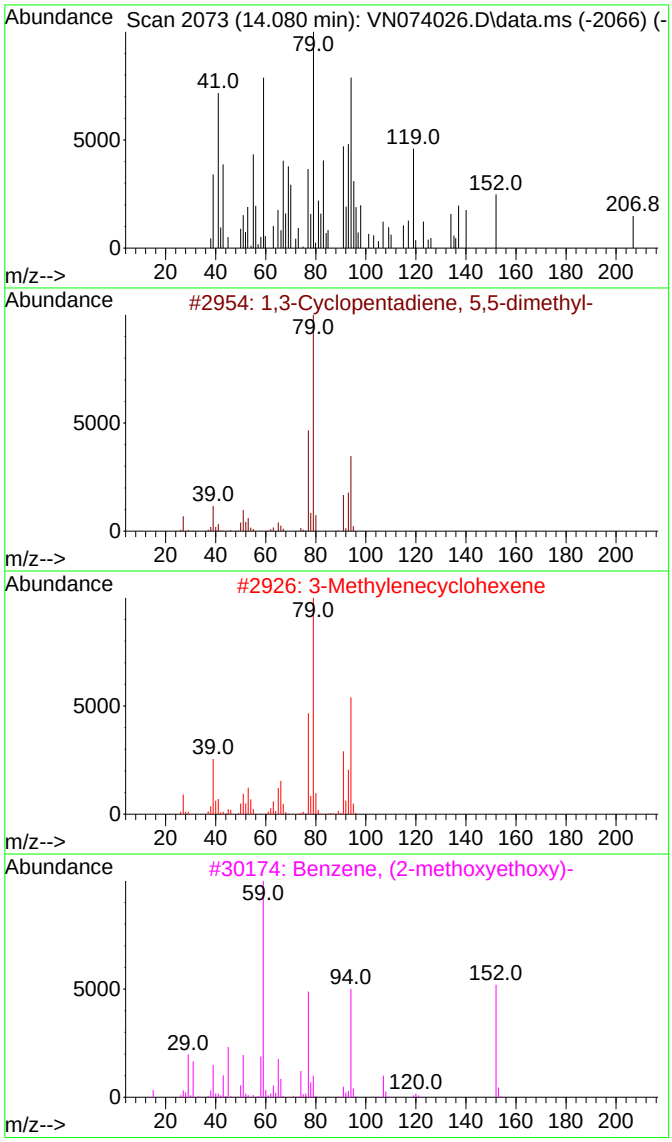
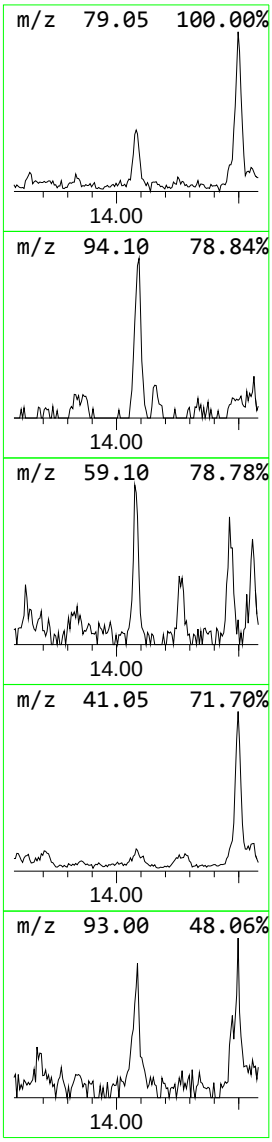
****

Peak Number 7 unknown14.080 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.080	3.28 ug/l	113103	Chlorobenzene-d5	11.686

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclopentadiene, 5,5-dimethyl-	94	C7H10	004125-18-2	38
2	3-Methylenecyclohexene	94	C7H10	001888-90-0	35
3	Benzene, (2-methoxyethoxy)-	152	C9H12O2	041532-81-4	35
4	1,3-Cyclopentadiene, 1,2-dimethyl-	94	C7H10	004784-86-5	27
5	1,3,5-Heptatriene, (E,E)-	94	C7H10	017679-93-5	27





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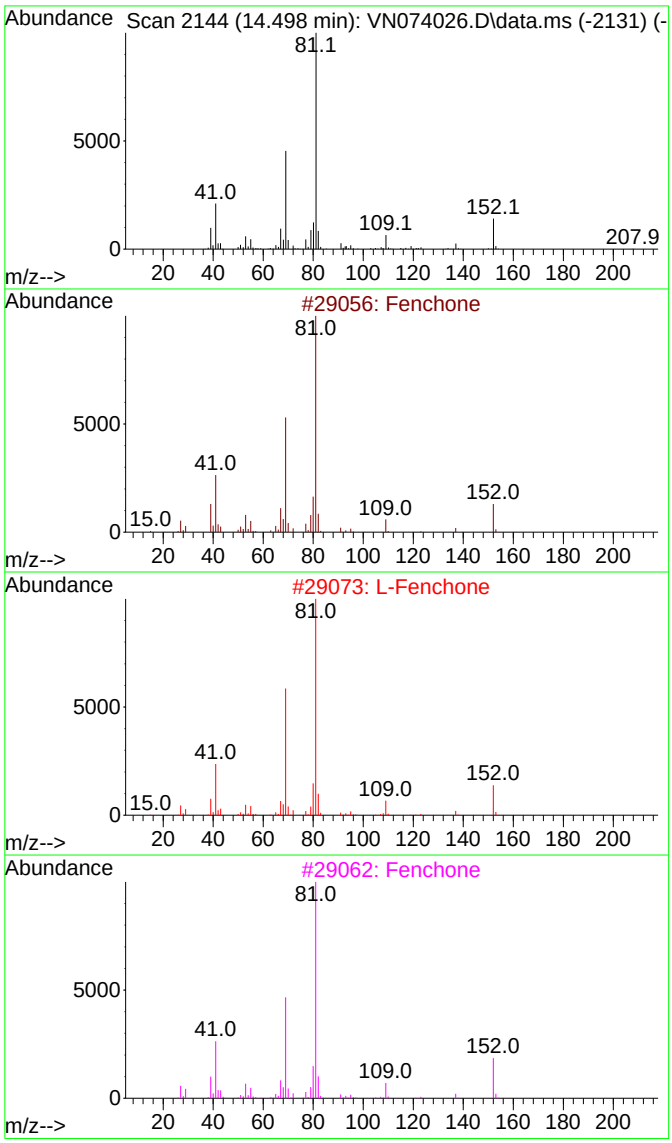
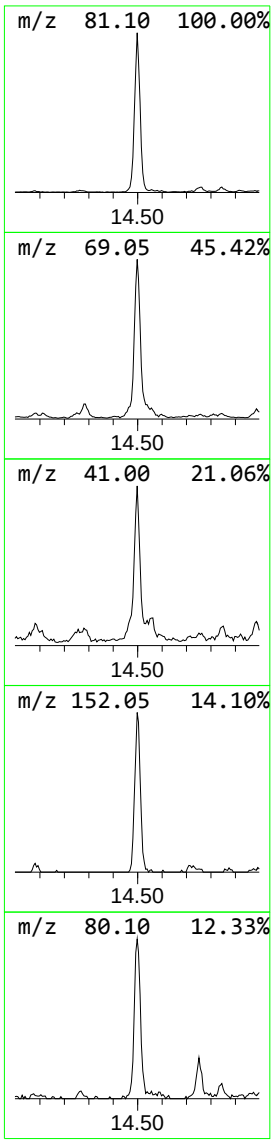
****

Peak Number 8 Fenchone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.498	20.26 ug/l	697666	Chlorobenzene-d5	11.686

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fenchone	152	C10H16O	001195-79-5	95
2	L-Fenchone	152	C10H16O	007787-20-4	94
3	Fenchone	152	C10H16O	001195-79-5	94
4	Fenchone	152	C10H16O	001195-79-5	91
5	L-Fenchone	152	C10H16O	007787-20-4	91





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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N072722W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

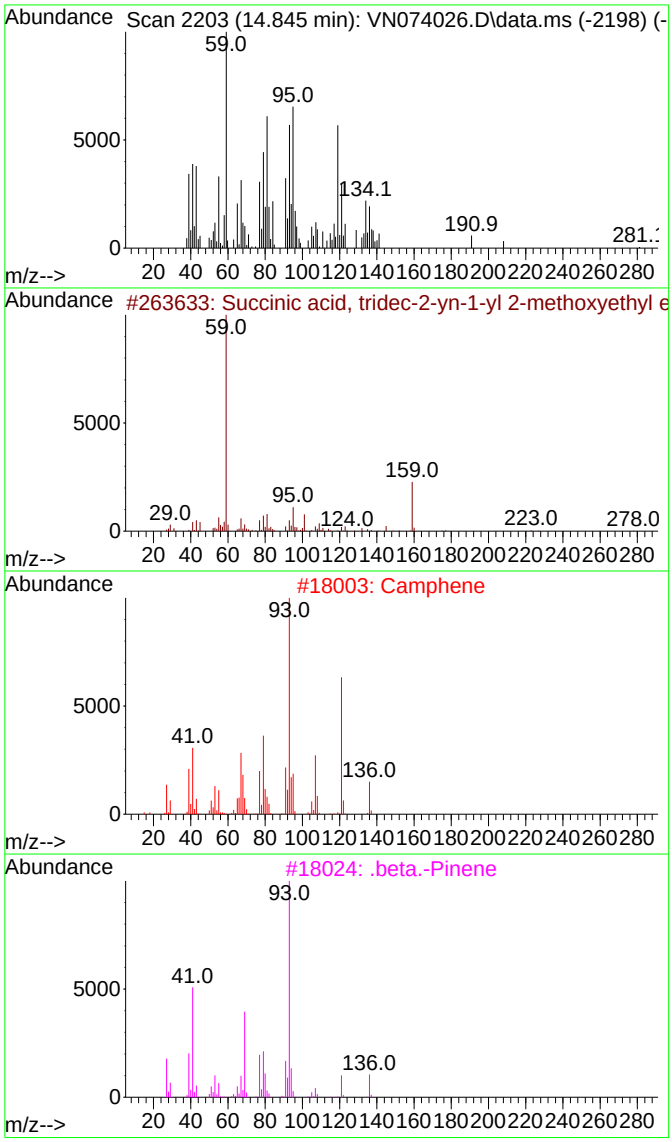
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

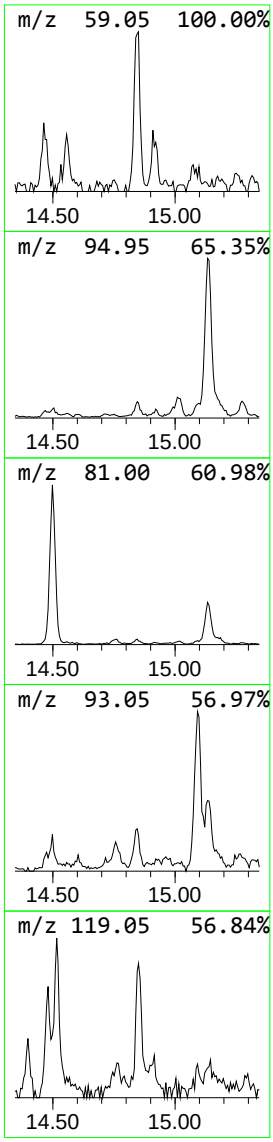
****

Peak Number 9 unknown14.845 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.845	3.50 ug/l	120394	Chlorobenzene-d5	11.686

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Succinic acid, tridec-2-yn-1-yl ...	354	C20H34O5	1000390-75-1	43
2	Camphene	136	C10H16	000079-92-5	25
3	.beta.-Pinene	136	C10H16	000127-91-3	20
4	2-Carene	136	C10H16	000554-61-0	20
5	Bicyclo[3.1.1]heptane, 6,6-dimet...	136	C10H16	018172-67-3	20





Tentatively Identified Compound (LSC) summary

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ClientSampleId :
220817015-02-VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N072722W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Propanol, 2-m...	5.287	46.0	ug/l	4598070	1	7.586	2995400	30.0
Amylene hydrate	8.469	6.7	ug/l	184119	2	8.904	824715	30.0
3-Pentanone, 2,...	10.998	4.9	ug/l	168303	3	11.686	1032910	30.0
unknown12.116	12.116	3.3	ug/l	113942	3	11.686	1032910	30.0
7-Oxabicyclo[2....	13.433	5.1	ug/l	175915	3	11.686	1032910	30.0
Indane	13.815	3.5	ug/l	120036	3	11.686	1032910	30.0
unknown14.080	14.080	3.3	ug/l	113103	3	11.686	1032910	30.0
Fenchone	14.498	20.3	ug/l	697666	3	11.686	1032910	30.0
unknown14.845	14.845	3.5	ug/l	120394	3	11.686	1032910	30.0